

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062684.D
 Acq On : 12 Jun 2019 19:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 6/13/2019 3:12:11 PM

Quant Time: Jun 13 08:14:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	785153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1101281	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	950549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	501274	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	570144	50.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	6.91	113	564573	48.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.40	98	1181767	48.37	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	13.55	95	535205	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	330576	35.466	ug/l	96
3) Chloromethane	1.74	50	317094	40.816	ug/l	97
4) Vinyl Chloride	1.84	62	326490	40.755	ug/l	96
5) Bromomethane	2.14	94	168197	41.595	ug/l	96
6) Chloroethane	2.26	64	169782	42.927	ug/l #	89
7) Trichlorofluoromethane	2.53	101	711243	39.666	ug/l	99
8) Diethyl Ether	2.86	74	100558	41.233	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	411267	42.530	ug/l	96
10) Methyl Iodide	3.29	142	525741	38.458	ug/l	92
11) Tert butyl alcohol	4.08	59	110405	237.070	ug/l #	88
12) 1,1-Dichloroethene	3.12	96	308113	44.399	ug/l	90
13) Acrolein	3.02	56	43242	288.657	ug/l	99
14) Allyl chloride	3.61	41	491592	46.071	ug/l	90
15) Acrylonitrile	4.18	53	270562	255.662	ug/l	94
16) Acetone	3.22	43	455882	219.739	ug/l	98
17) Carbon Disulfide	3.36	76	940418	45.986	ug/l	98
18) Methyl Acetate	3.63	43	152091	44.608	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	797764	47.134	ug/l	100
20) Methylene Chloride	3.80	84	349791	44.576	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	355947	46.760	ug/l	86
22) Diisopropyl ether	5.11	45	1085317	48.985	ug/l	94
23) Vinyl Acetate	5.05	43	3413446	248.337	ug/l	99
24) 1,1-Dichloroethane	4.97	63	671343	47.101	ug/l	97
25) 2-Butanone	6.06	43	462432	228.475	ug/l	96
26) 2,2-Dichloropropane	6.01	77	683534	41.610	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	373458	45.256	ug/l	99
28) Bromochloromethane	6.42	49	288105	52.878	ug/l	97
29) Tetrahydrofuran	6.44	42	211638	232.195	ug/l	99
30) Chloroform	6.65	83	846761	46.303	ug/l	92
31) Cyclohexane	6.94	56	410117	45.869	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	826875	45.441	ug/l	100
36) 1,1-Dichloropropene	7.13	75	541795	42.985	ug/l	98
37) Ethyl Acetate	6.17	43	239473	44.691	ug/l #	96
38) Carbon Tetrachloride	7.09	117	823415m	41.332	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	435119	42.720	ug/l	98
40) Benzene	7.44	78	1130565	45.931	ug/l	99
41) Methacrylonitrile	6.44	41	292558	44.341	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	639651	43.599	ug/l	99
43) Isopropyl Acetate	9.23	43	308684	46.415	ug/l	97
44) Trichloroethene	8.52	130	457163	45.749	ug/l	99
45) 1,2-Dichloropropane	8.92	63	262050	44.322	ug/l	99
46) Dibromomethane	9.05	93	245856	46.847	ug/l	94
47) Bromodichloromethane	9.37	83	655743	45.932	ug/l	93
48) Methyl methacrylate	9.11	41	218282	45.432	ug/l	93
49) 1,4-Dioxane	9.07	88	36162	849.158	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1102411	236.900	ug/l	99
52) Toluene	10.50	92	745913	45.082	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	545663	46.618	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	571622	47.251	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	259898	45.804	ug/l	98
56) Ethyl methacrylate	11.03	69	294353	43.602	ug/l	97
57) 1,3-Dichloropropane	11.40	76	395711	44.995	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	703632	232.015	ug/l	99
59) 2-Hexanone	11.52	43	828529	239.353	ug/l	98
60) Dibromochloromethane	11.67	129	505754	45.153	ug/l	96
61) 1,2-Dibromoethane	11.79	107	323505	47.637	ug/l	92
64) Tetrachloroethene	11.25	164	408886	45.952	ug/l	95
65) Chlorobenzene	12.39	112	919483	43.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	464488	46.320	ug/l	98
67) Ethyl Benzene	12.52	91	1710121	45.874	ug/l	98
68) m/p-Xylenes	12.66	106	1111337	84.799	ug/l	96
69) o-Xylene	13.04	106	533267	44.305	ug/l	92
70) Styrene	13.06	104	927187	43.173	ug/l	99
71) Bromoform	13.23	173	312748	41.184	ug/l	97
73) Isopropylbenzene	13.39	105	1587155	44.921	ug/l	98
74) N-amyl acetate	13.26	43	440827	46.166	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	293492	48.546	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	332653	48.943	ug/l	98
77) Bromobenzene	13.66	156	450245	44.585	ug/l	92
78) n-propylbenzene	13.77	91	1938650	44.825	ug/l	98
79) 2-Chlorotoluene	13.84	91	1152270	45.503	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	1384510	44.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	87960	44.134	ug/l	96
82) 4-Chlorotoluene	13.94	91	1287185	42.505	ug/l	95
83) tert-Butylbenzene	14.18	119	1510471	43.857	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1388151	44.899	ug/l	98
85) sec-Butylbenzene	14.36	105	1560775	43.217	ug/l	97
86) p-Isopropyltoluene	14.49	119	1492311	42.440	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	772690	42.236	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	793516	45.896	ug/l	95
89) n-Butylbenzene	14.79	91	1477515	46.708	ug/l	98
90) Hexachloroethane	15.00	117	409528	44.117	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	723906	47.602	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	59828	46.329	ug/l #	62

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ClientSampleId :
VSTDCCC050EC

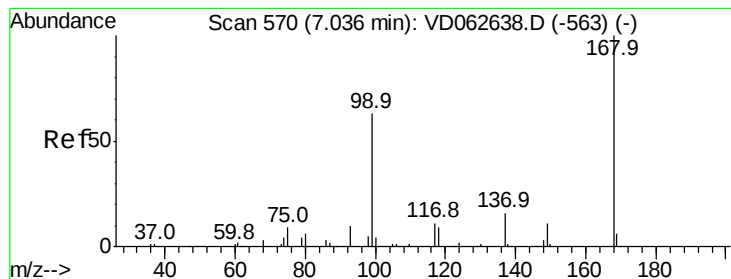
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	544575	42.769	ug/l	97
94) Hexachlorobutadiene	16.03	225	408057	45.447	ug/l	98
95) Naphthalene	16.12	128	753465	42.017	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	435888	49.763	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



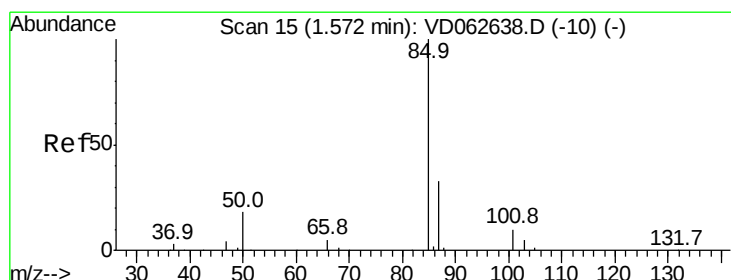
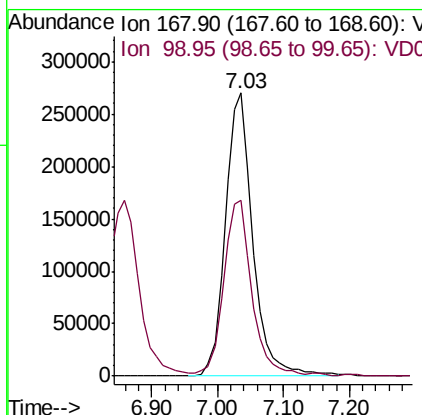
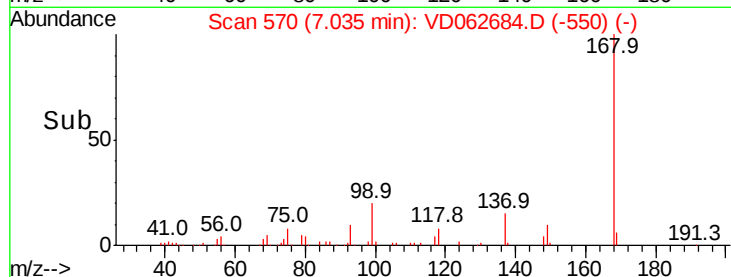
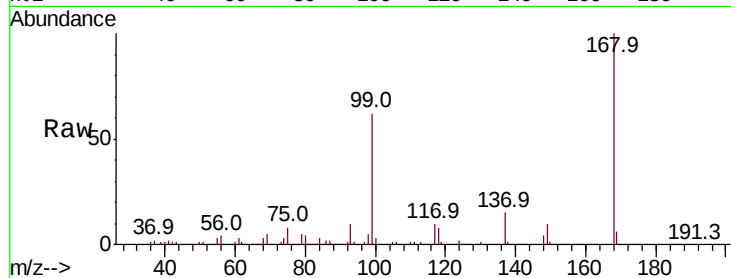
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 785153
Ion Ratio Lower Upper
168 100
99 62.0 51.4 77.2

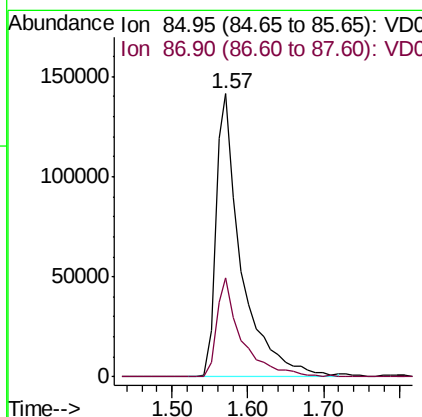
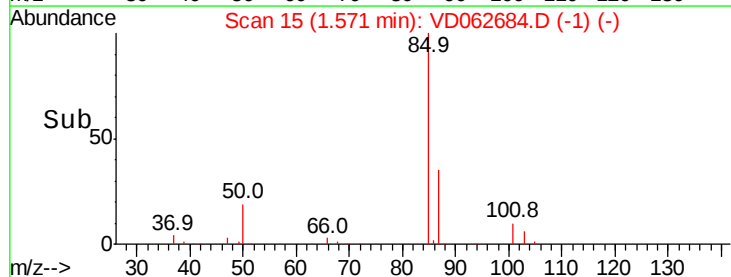
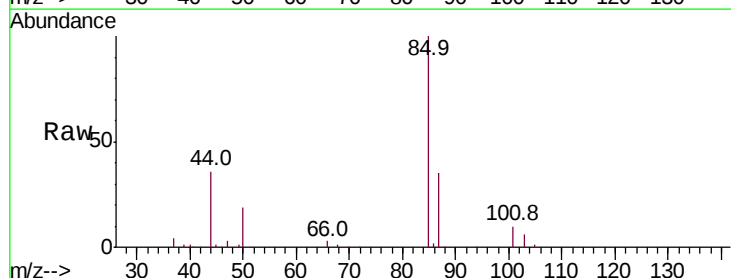
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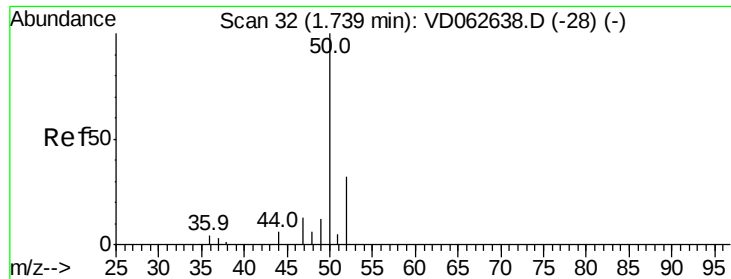
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#2
Dichlorodifluoromethane
Concen: 35.466 ug/l
RT: 1.57 min Scan# 15
Delta R.T. 0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 85 Resp: 330576
Ion Ratio Lower Upper
85 100
87 35.2 16.6 49.7





#3

Chloromethane

Concen: 40.816 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 317094

Ion Ratio Lower Upper

50 100

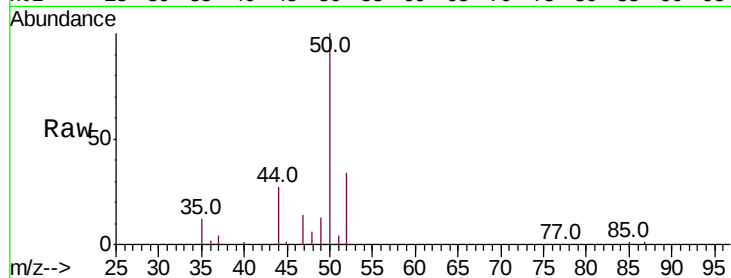
52 33.9 25.8 38.8

Manual Integrations

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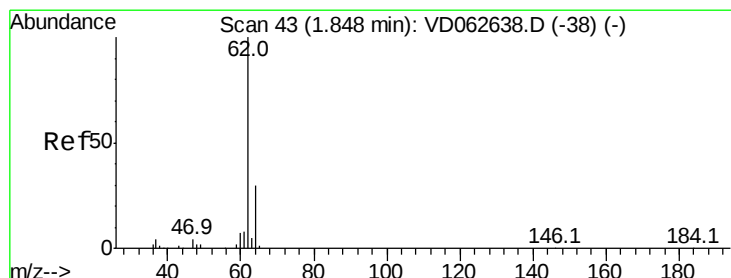
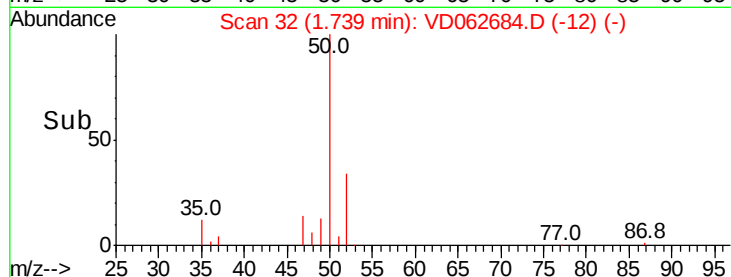
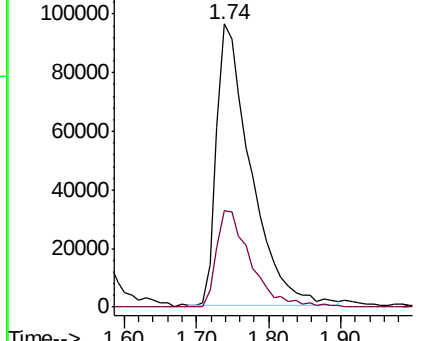
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 40.755 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062684.D

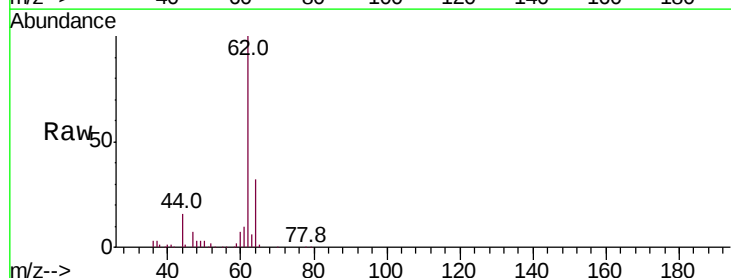
Acq: 12 Jun 2019 19:46

Tgt Ion: 62 Resp: 326490

Ion Ratio Lower Upper

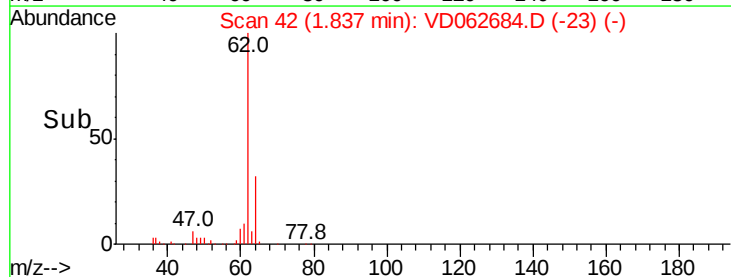
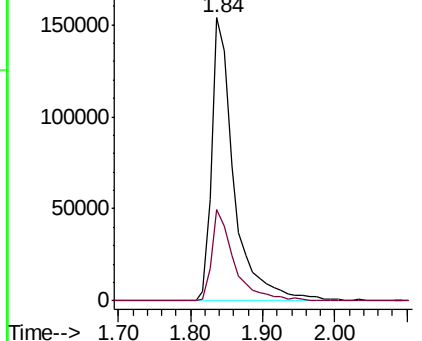
62 100

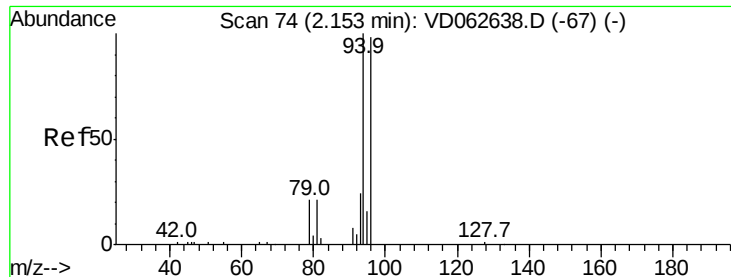
64 32.2 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.595 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

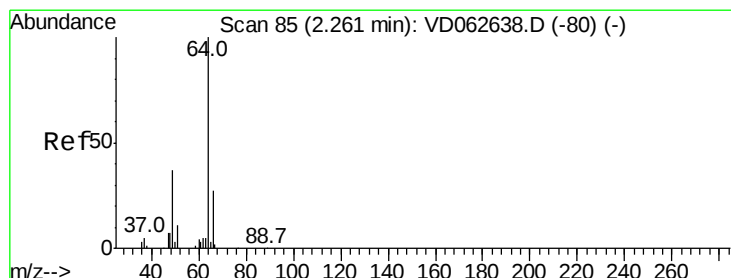
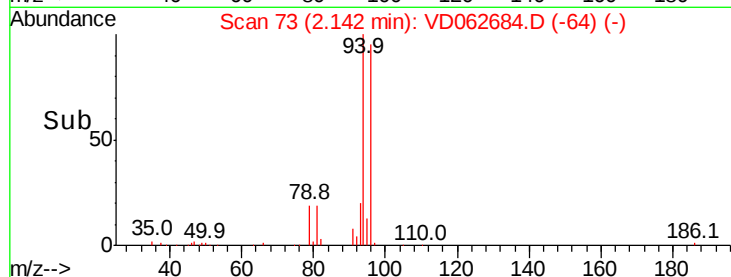
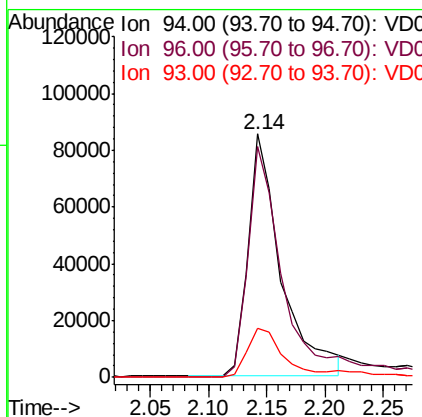
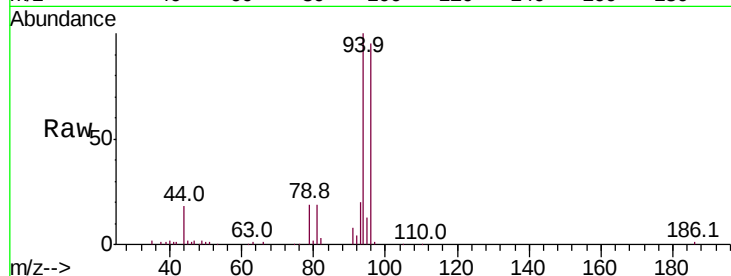
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	168197
Ion	Ratio	Lower	Upper
94	100		
96	94.6	78.1	117.1
93	20.0	19.6	29.4

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#6

Chloroethane

Concen: 42.927 ug/l

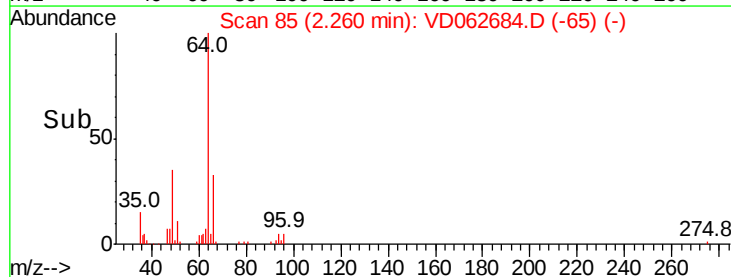
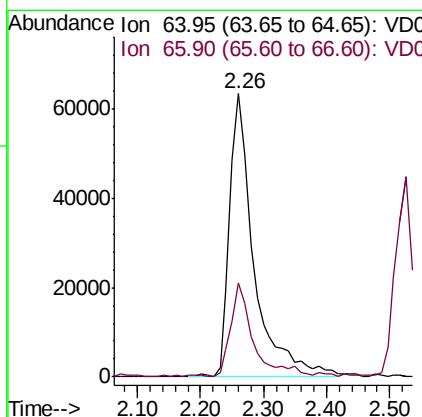
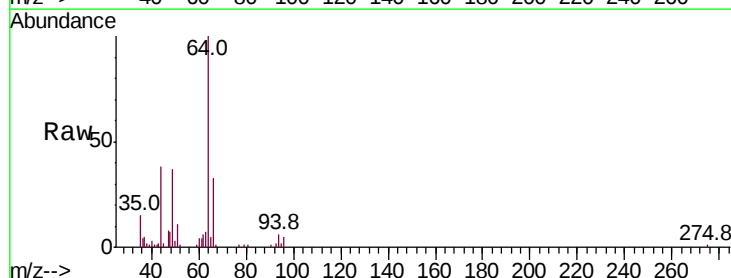
RT: 2.26 min Scan# 85

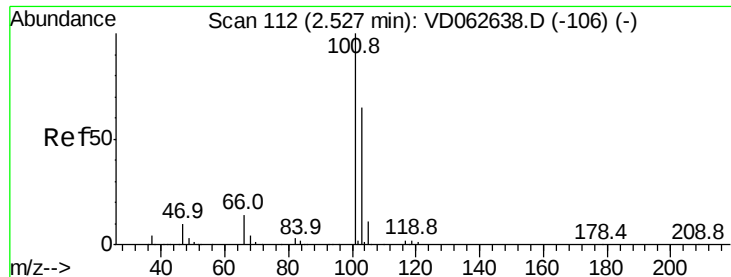
Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion:	64	Resp:	169782
Ion	Ratio	Lower	Upper
64	100		
66	33.4	21.9	32.9#





#7

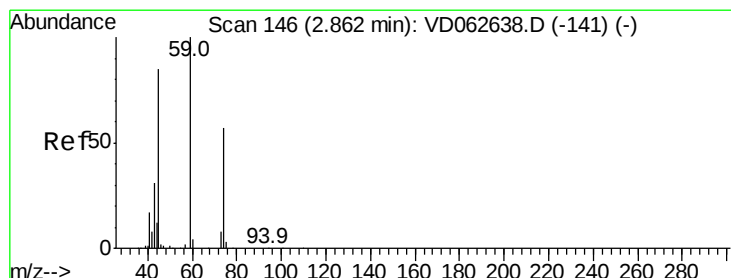
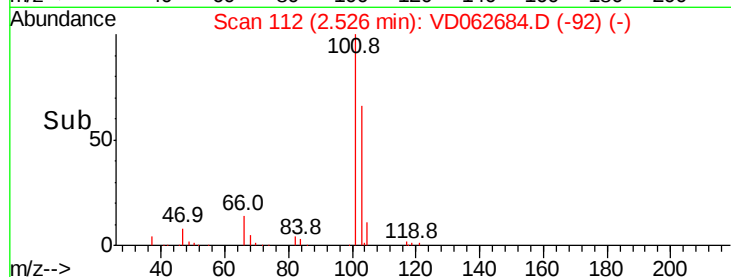
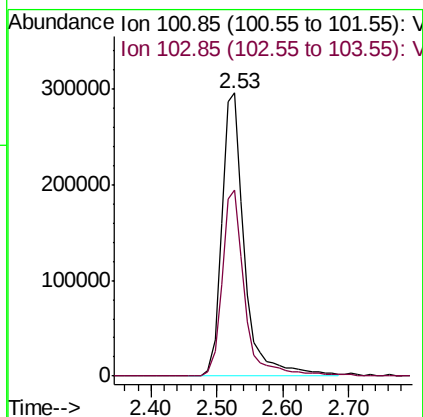
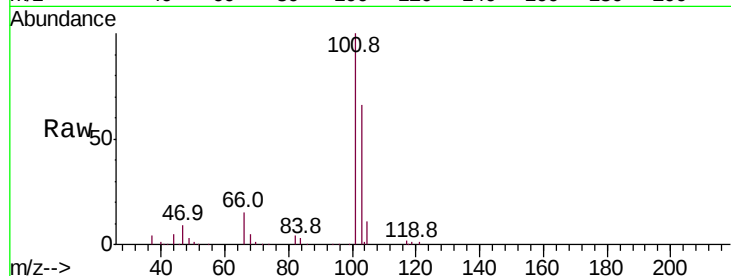
Trichlorofluoromethane
 Concen: 39.666 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

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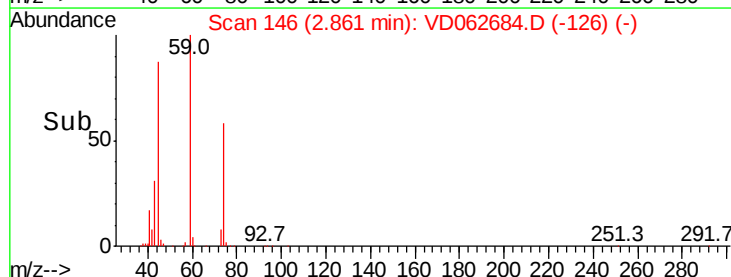
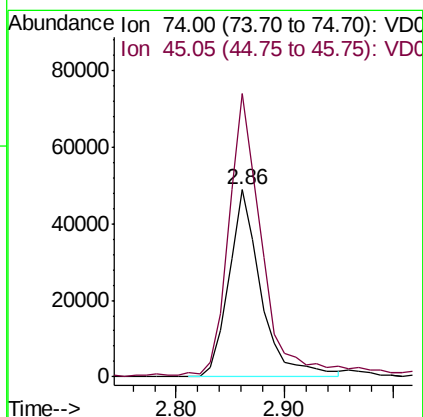
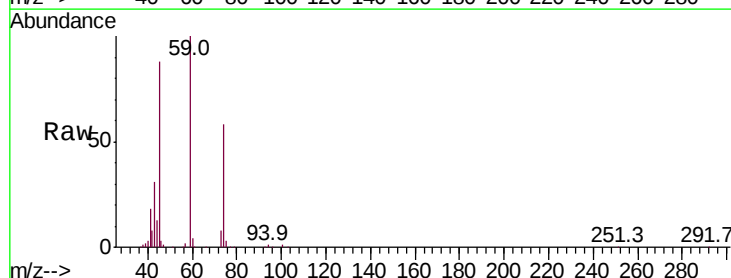
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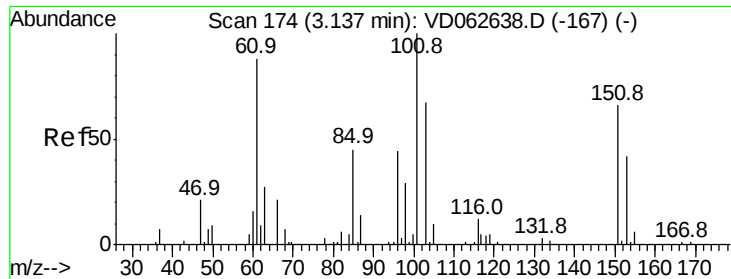


#8

Diethyl Ether
 Concen: 41.233 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.6	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.530 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

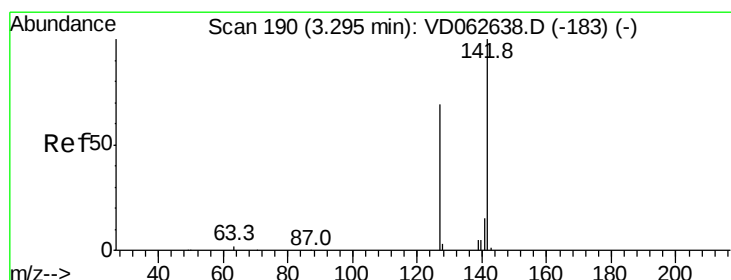
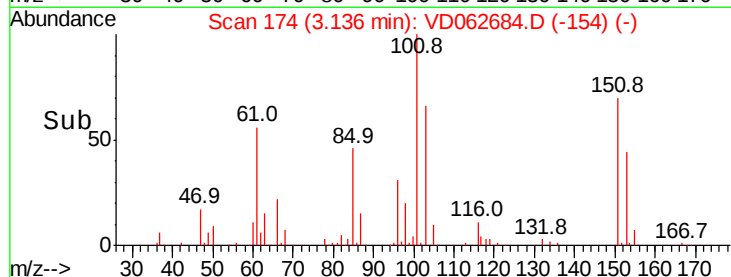
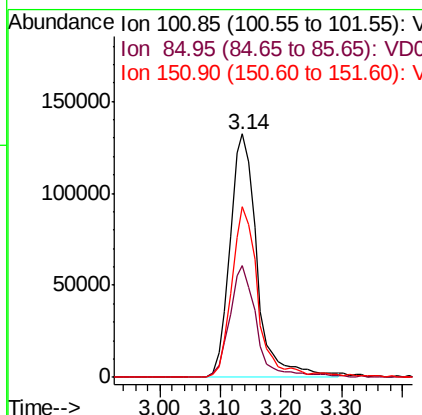
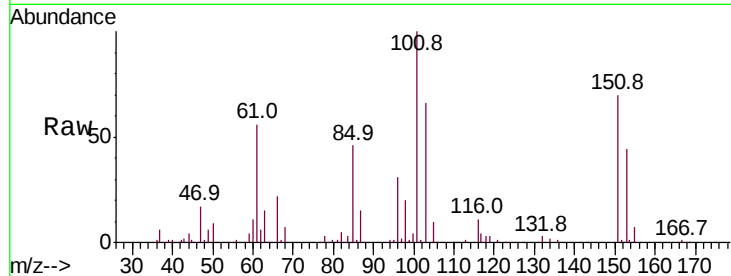
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	411267
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	70.1	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 38.458 ug/l

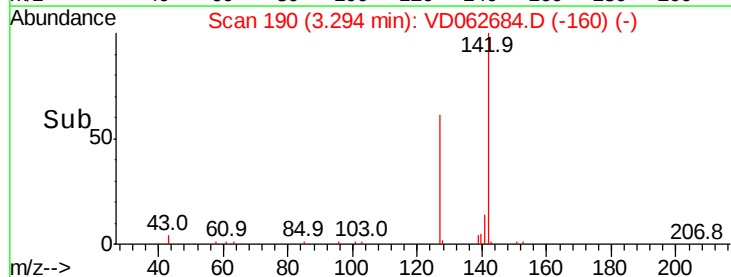
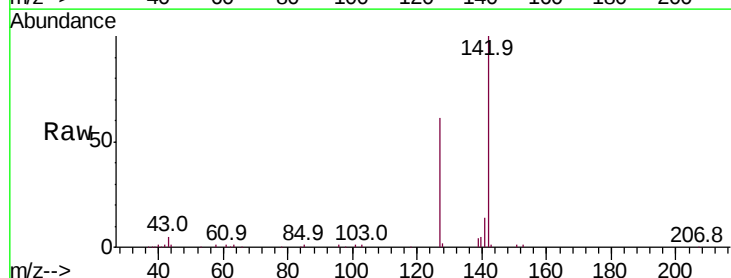
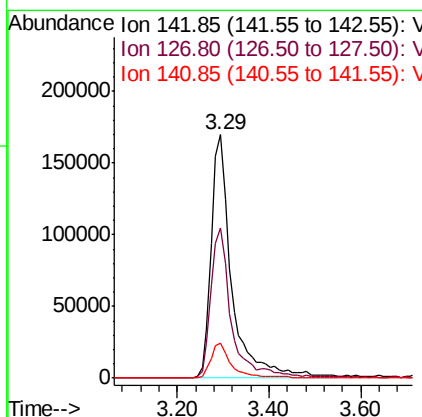
RT: 3.29 min Scan# 190

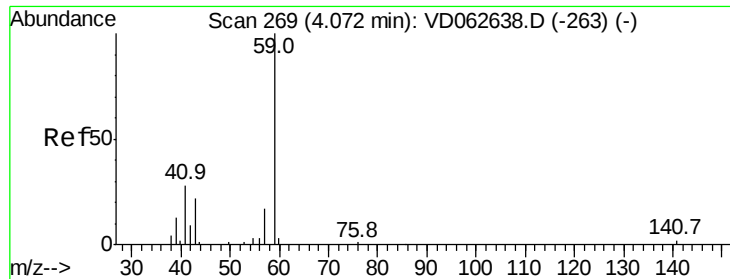
Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion:	142	Resp:	525741
Ion Ratio	Lower	Upper	
142	100		
127	61.5	55.2	82.8
141	14.5	12.1	18.1





#11

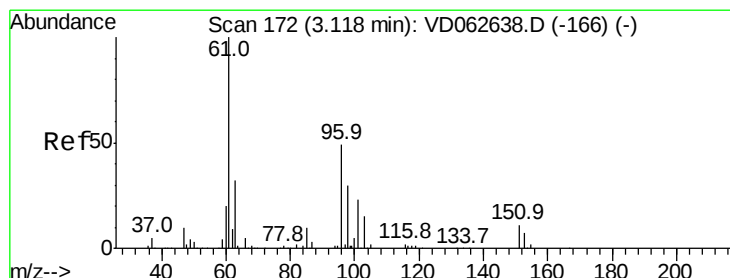
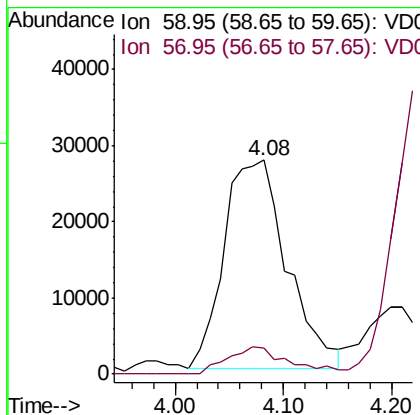
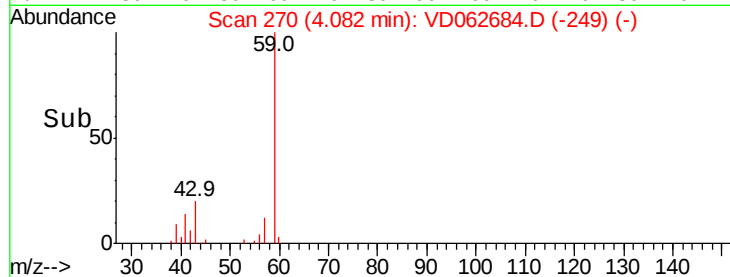
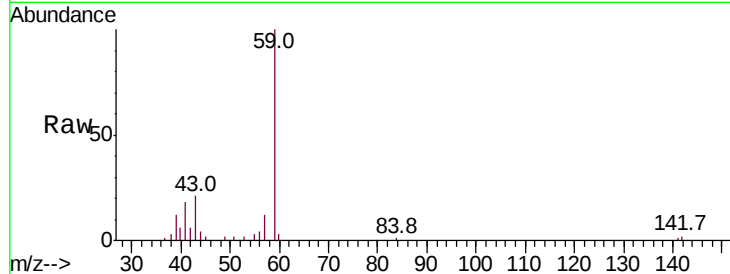
Tert butyl alcohol
Concen: 237.070 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 110405
Ion Ratio Lower Upper
59 100
57 12.0 13.7 20.5#

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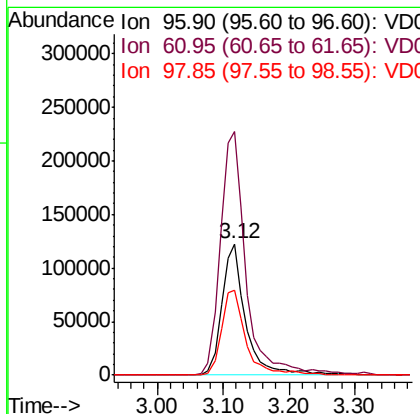
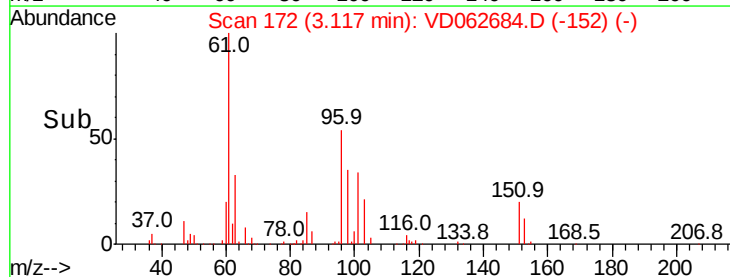
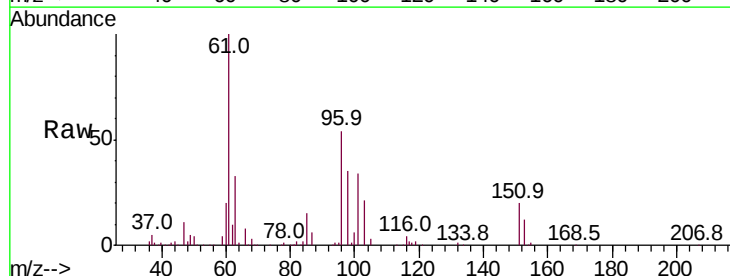
MMDadoda
6/13/2019 3:12:11 PM

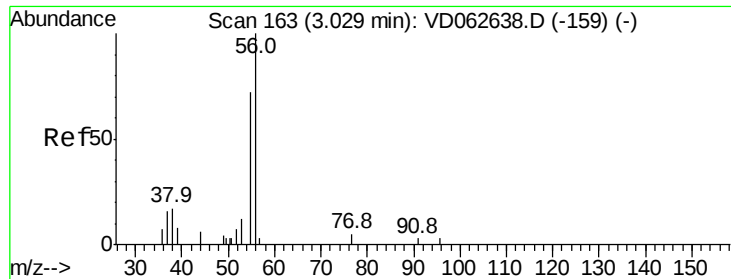


#12

1,1-Dichloroethene
Concen: 44.399 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 96 Resp: 308113
Ion Ratio Lower Upper
96 100
61 185.5 161.8 242.8
98 64.5 48.2 72.4





#13

Acrolein

Concen: 288.657 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43242

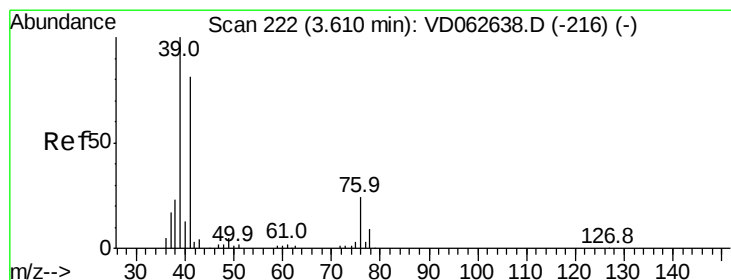
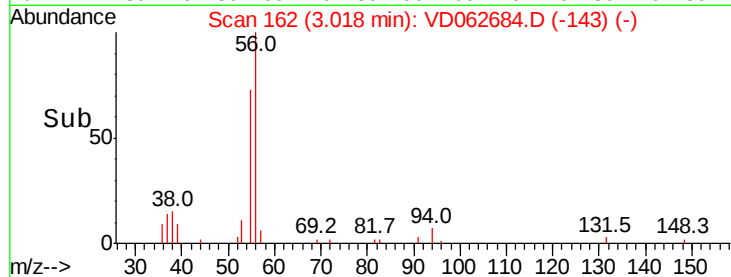
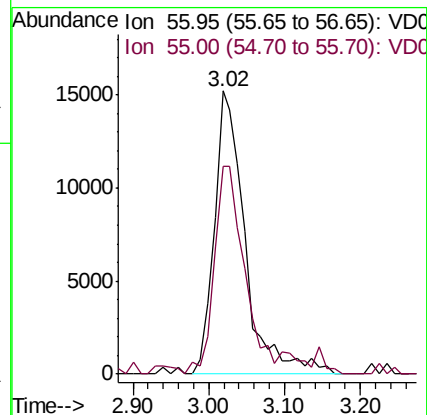
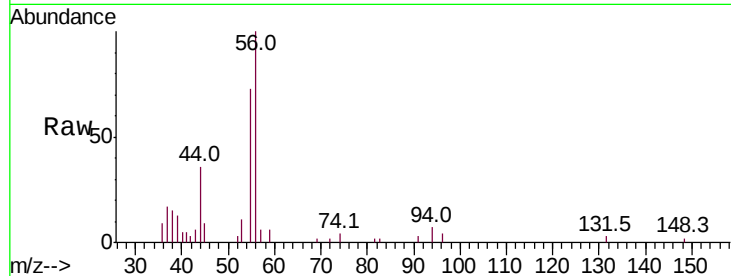
Ion Ratio Lower Upper

56 100

55 73.3 59.4 89.0

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#14

Allyl chloride

Concen: 46.071 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

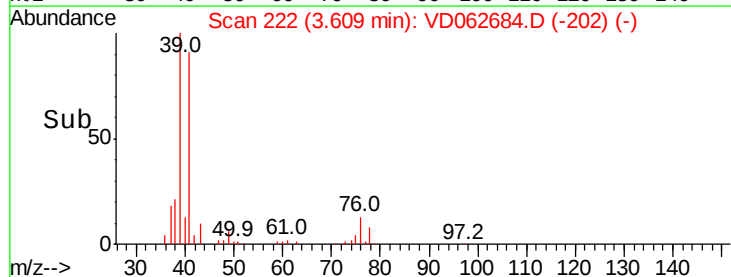
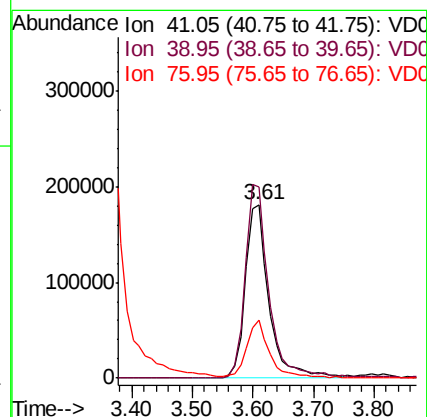
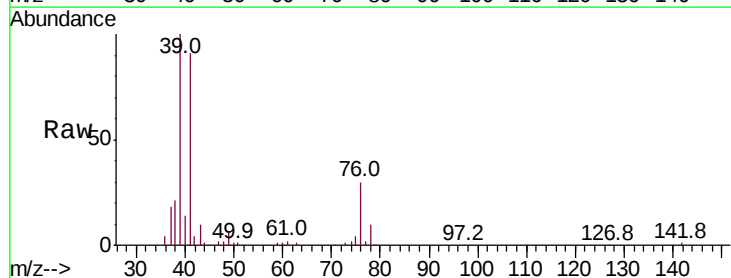
Tgt Ion: 41 Resp: 491592

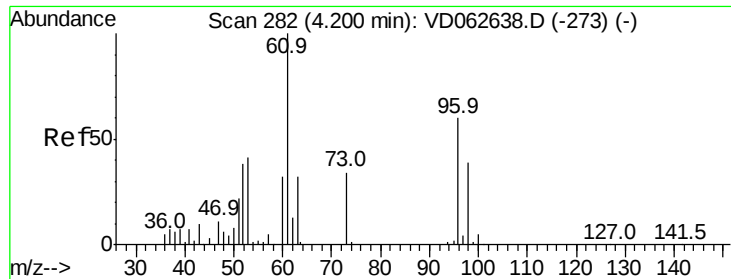
Ion Ratio Lower Upper

41 100

39 110.2 99.1 148.7

76 33.2 25.0 37.6





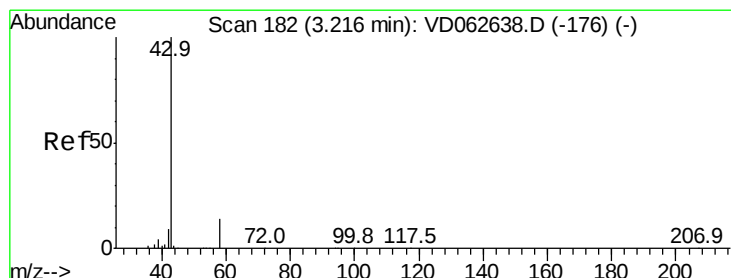
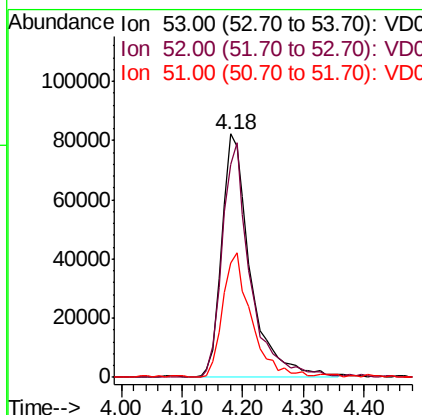
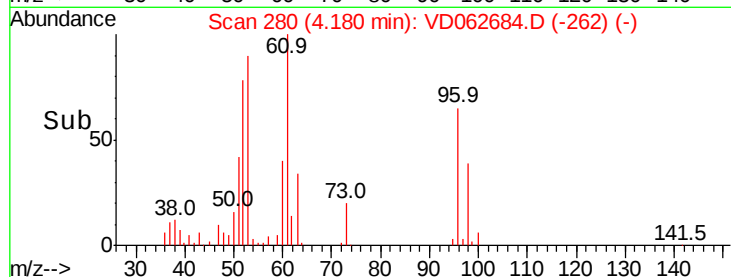
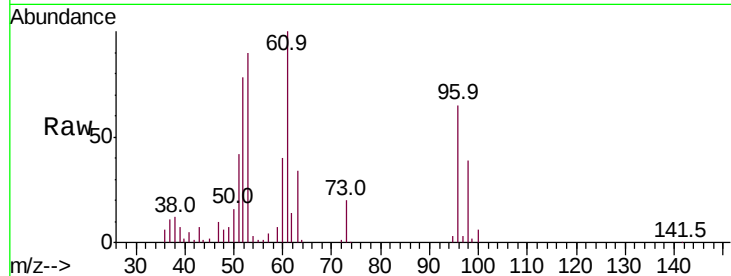
#15
 Acrylonitrile
 Concen: 255.662 ug/l
 RT: 4.18 min Scan# 280
 Delta R.T. -0.02 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.4	73.6	110.4
51	47.1	42.0	63.0

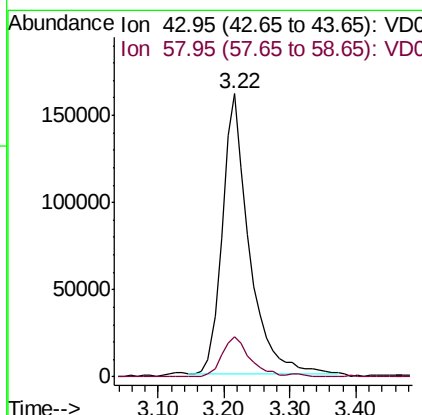
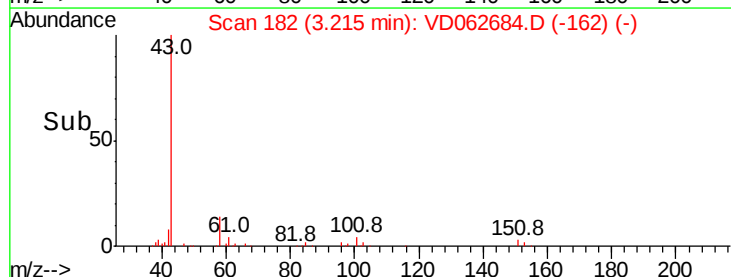
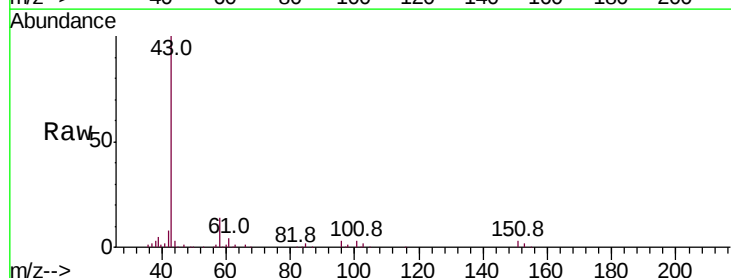
Manual Integrations
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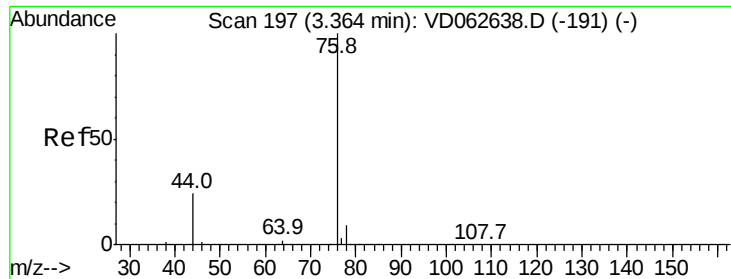
MMDadoda
 6/13/2019 3:12:11 PM



#16
 Acetone
 Concen: 219.739 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.3	10.8	16.2





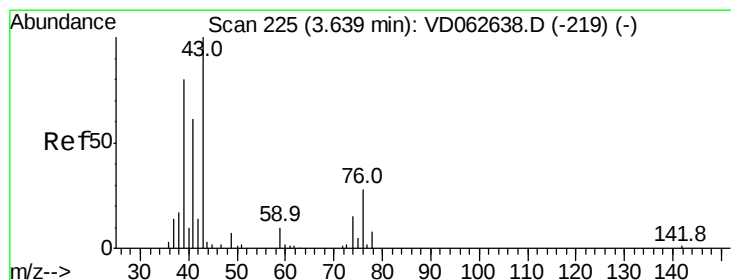
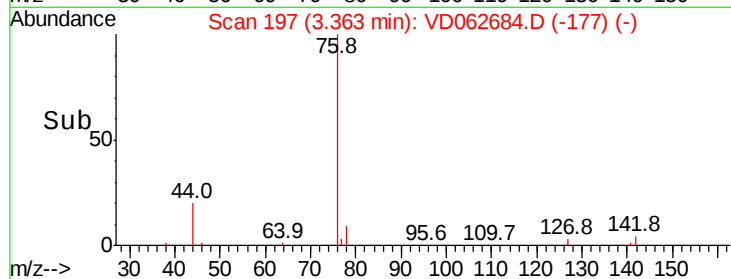
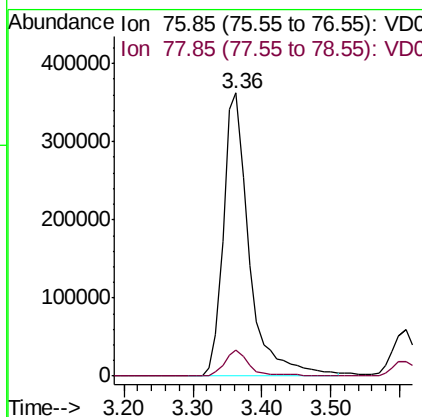
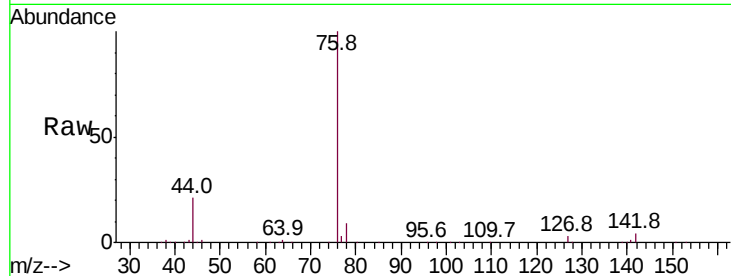
#17
Carbon Disulfide
Concen: 45.986 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

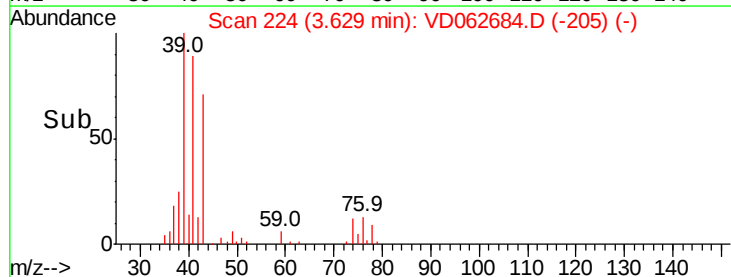
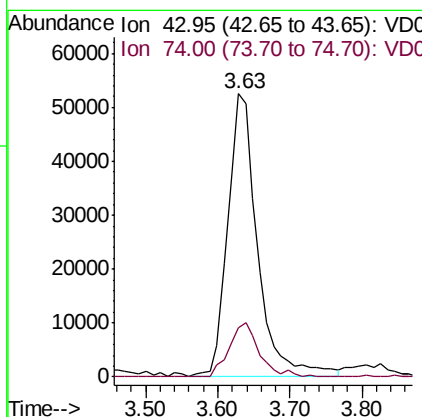
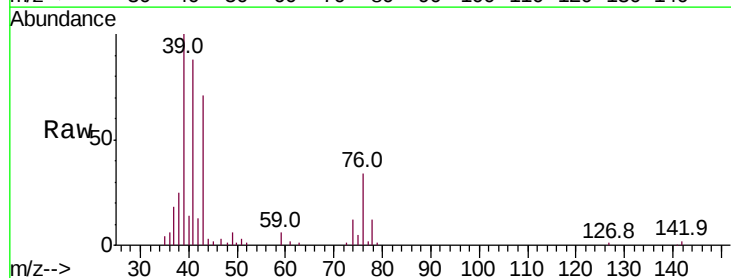
Manual Integrations
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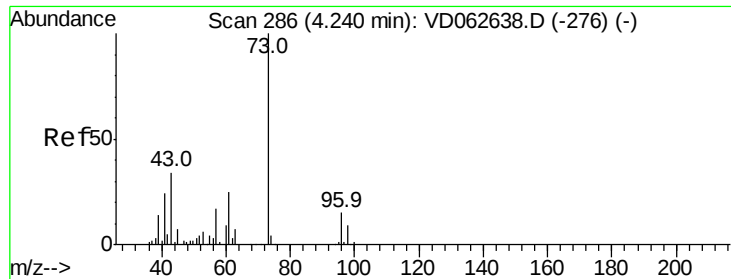
MMDadoda
6/13/2019 3:12:11 PM



#18
Methyl Acetate
Concen: 44.608 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.4	12.1	18.1





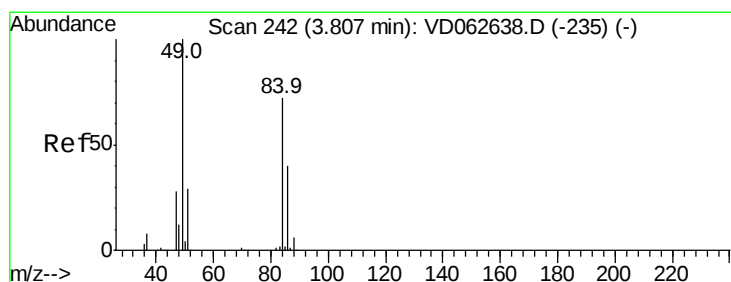
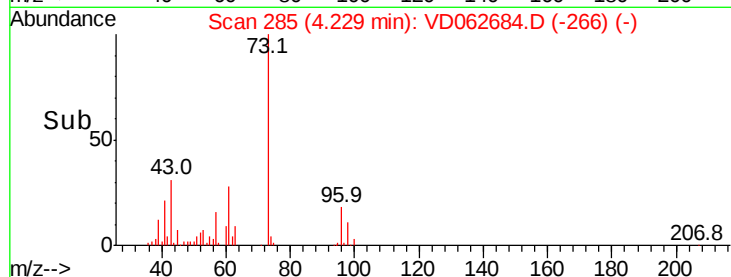
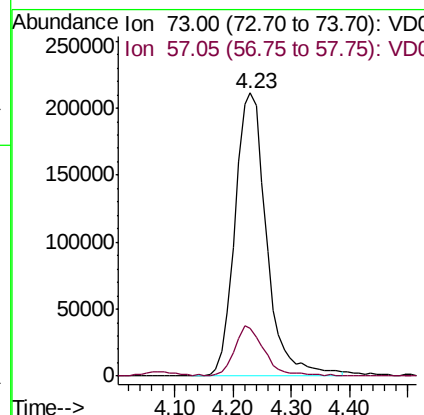
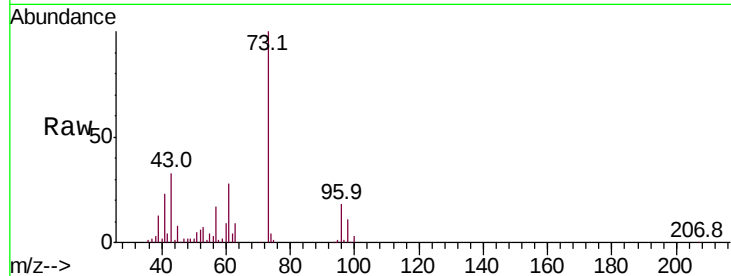
#19
Methyl tert-butyl Ether
Concen: 47.134 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 797764
Ion Ratio Lower Upper
73 100
57 17.1 13.5 20.3

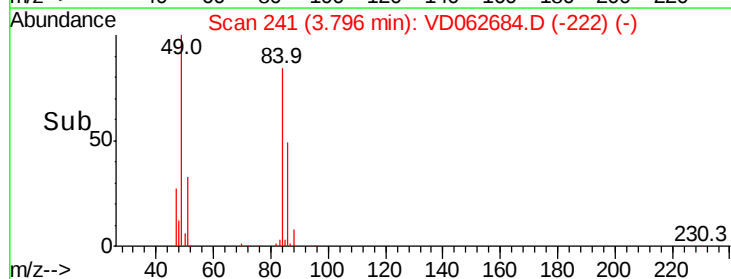
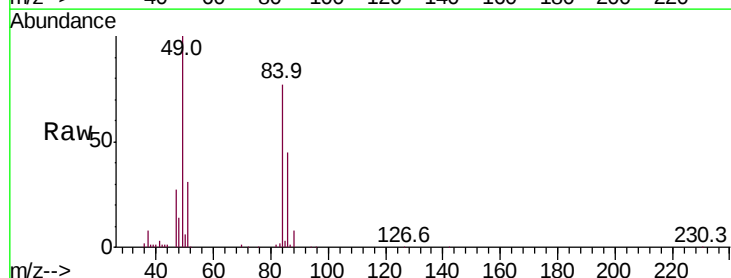
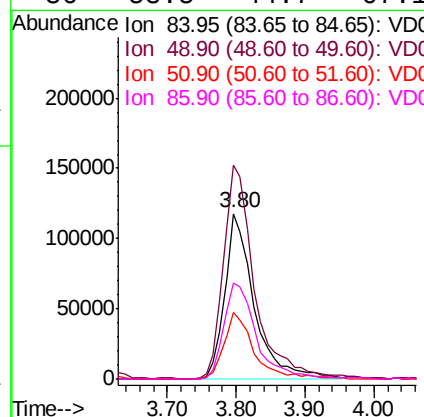
Manual Integrations
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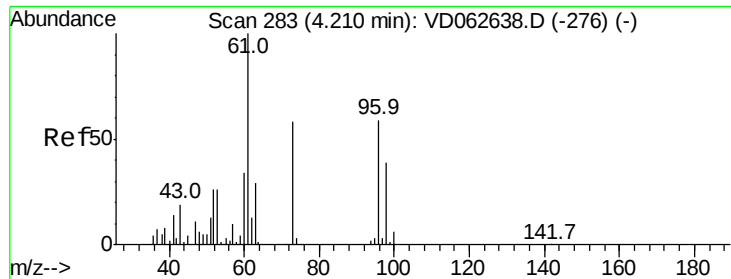
MMDadoda
6/13/2019 3:12:11 PM



#20
Methylene Chloride
Concen: 44.576 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 84 Resp: 349791
Ion Ratio Lower Upper
84 100
49 129.2 111.2 166.8
51 40.4 31.9 47.9
86 58.5 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 46.760 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 355947

Ion Ratio Lower Upper

96 100

61 143.8 134.6 201.8

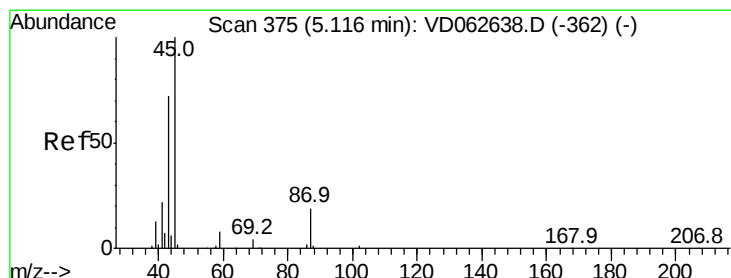
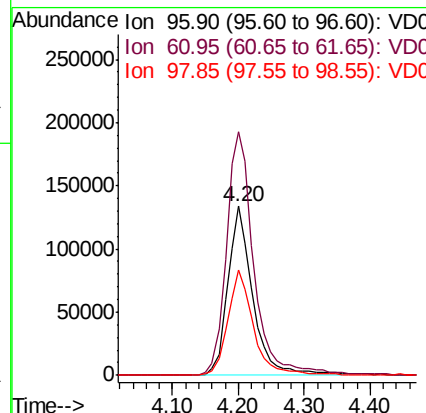
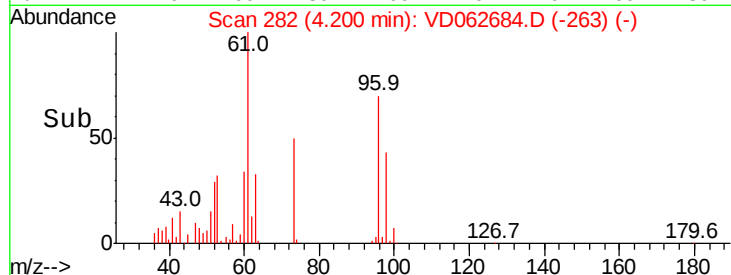
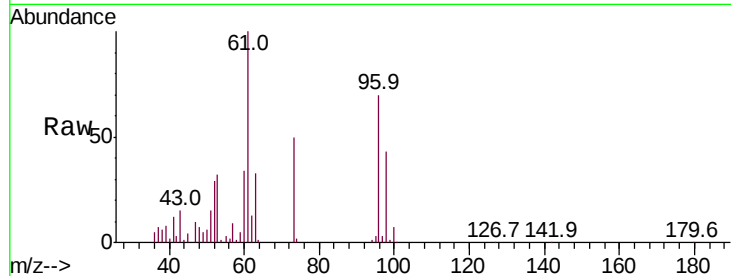
98 62.1 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.985 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion: 45 Resp: 1085317

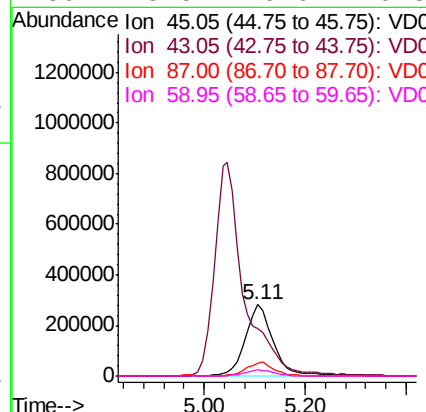
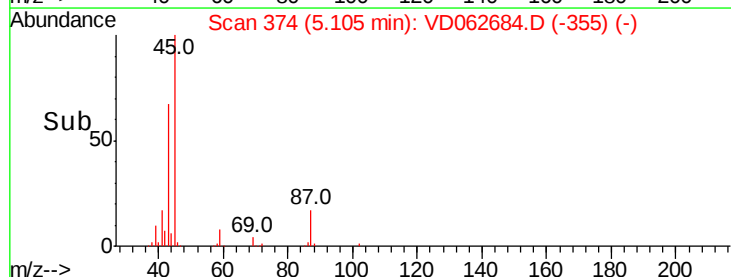
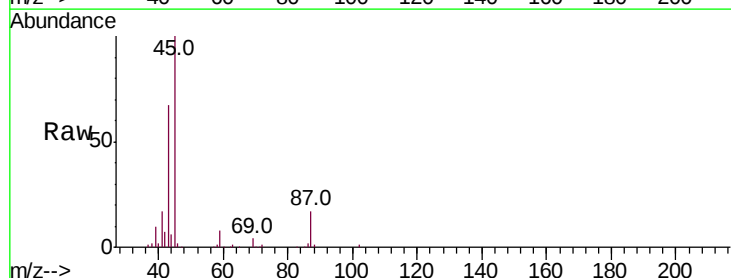
Ion Ratio Lower Upper

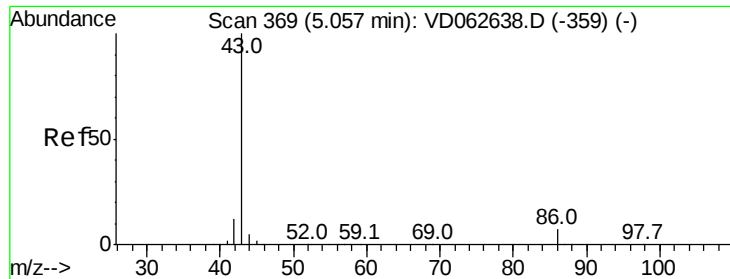
45 100

43 67.4 58.8 88.2

87 17.3 15.7 23.5

59 8.5 6.6 9.8





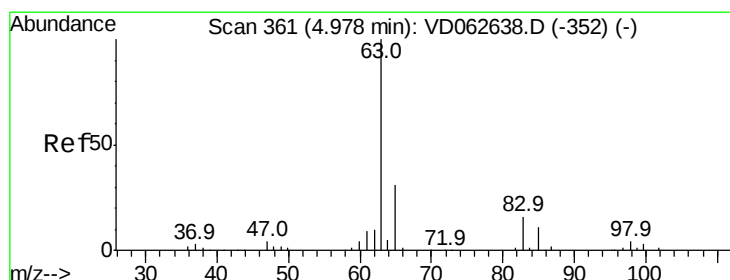
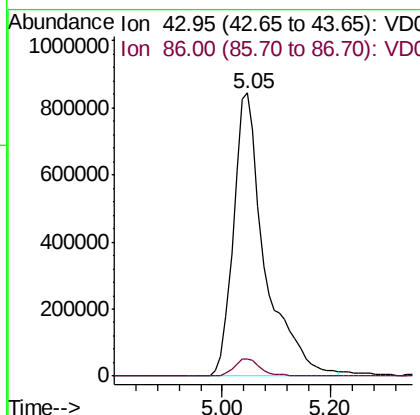
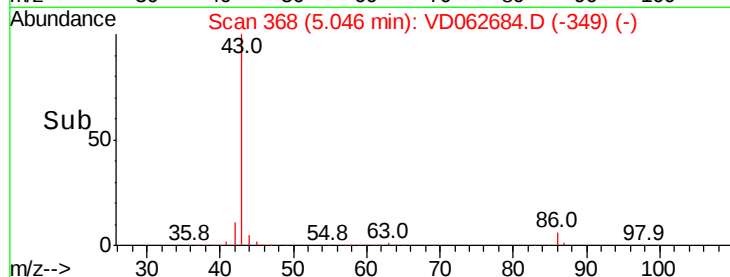
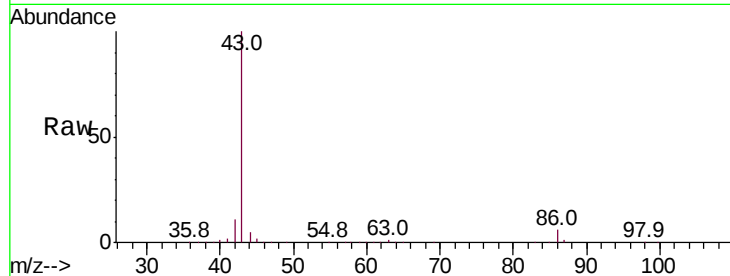
#23
 Vinyl Acetate
 Concen: 248.337 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3413446
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.3 7.9

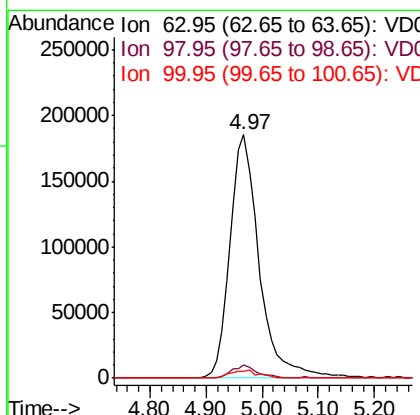
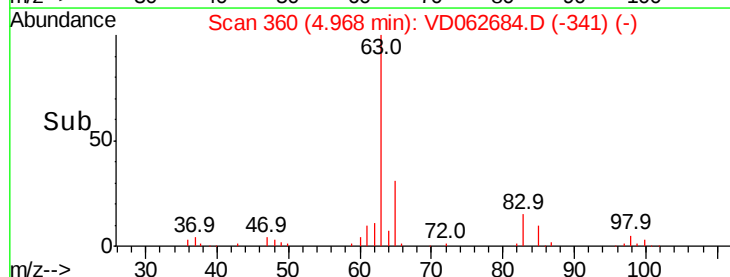
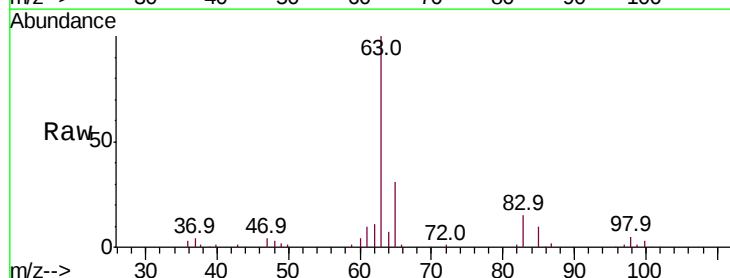
Manual Integrations
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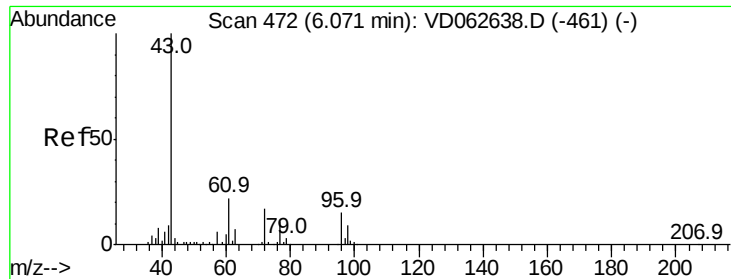
MMDadoda
 6/13/2019 3:12:11 PM



#24
 1,1-Dichloroethane
 Concen: 47.101 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 63 Resp: 671343
 Ion Ratio Lower Upper
 63 100
 98 5.2 1.8 5.4
 100 3.3 1.5 4.4





#25

2-Butanone

Concen: 228.475 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 462432

Ion Ratio Lower Upper

43 100

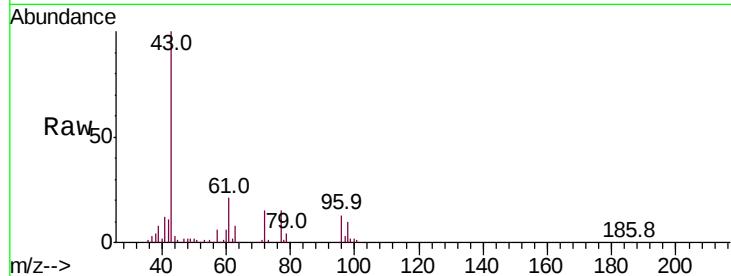
72 15.2 13.5 20.3

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

50000

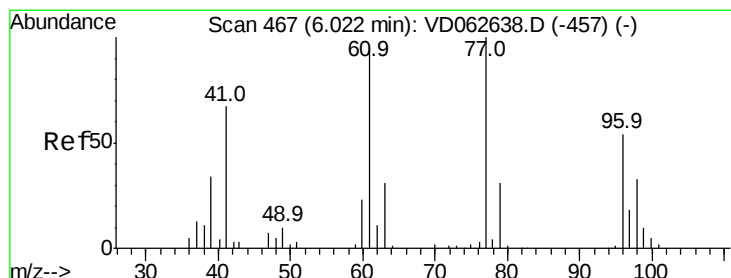
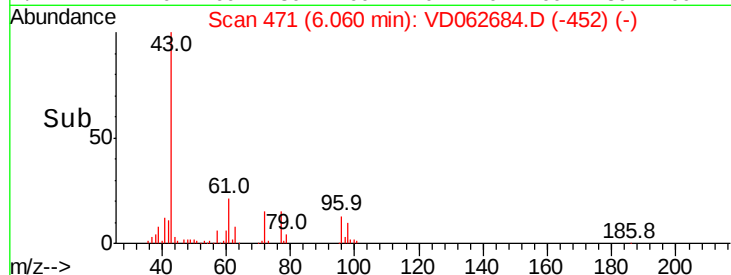
0

6.06

6.00

6.10

Time-->



#26

2,2-Dichloropropane

Concen: 41.610 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062684.D

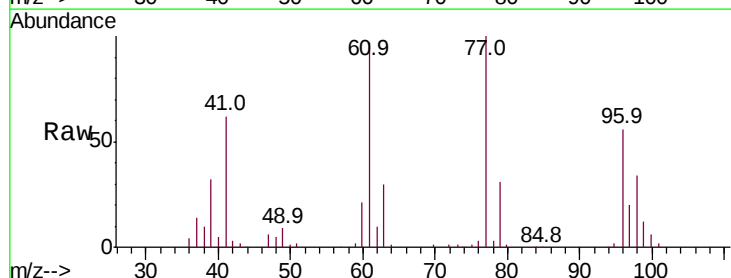
Acq: 12 Jun 2019 19:46

Tgt Ion: 77 Resp: 683534

Ion Ratio Lower Upper

77 100

97 20.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

100000

50000

0

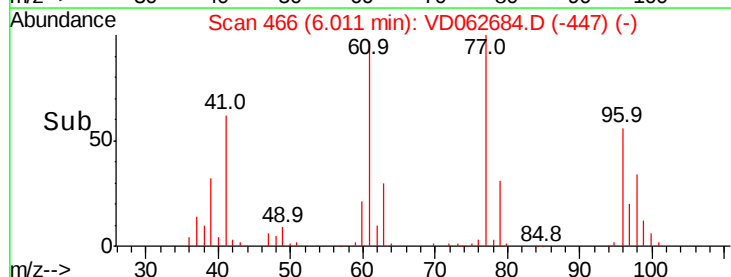
6.01

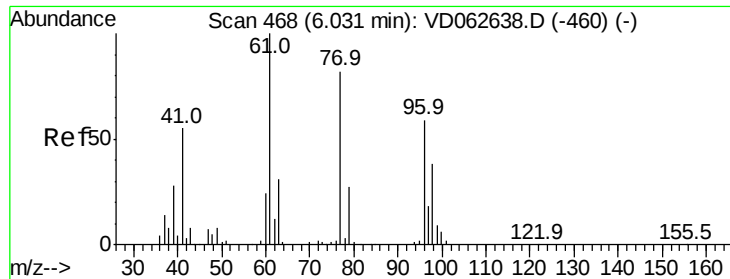
5.90

6.10

6.20

Time-->





#27

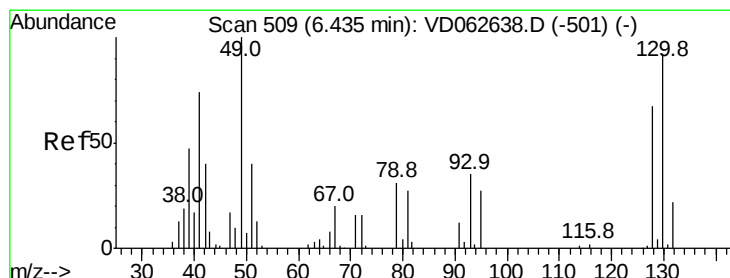
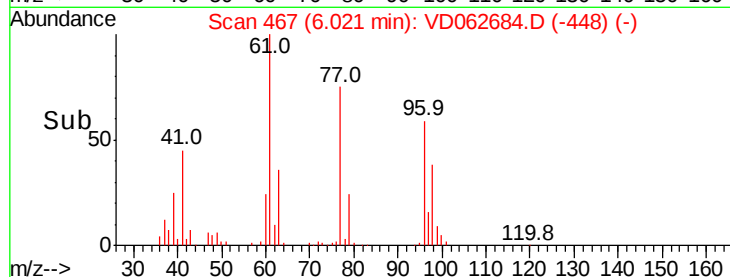
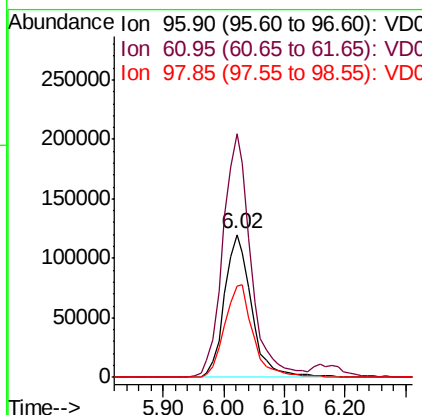
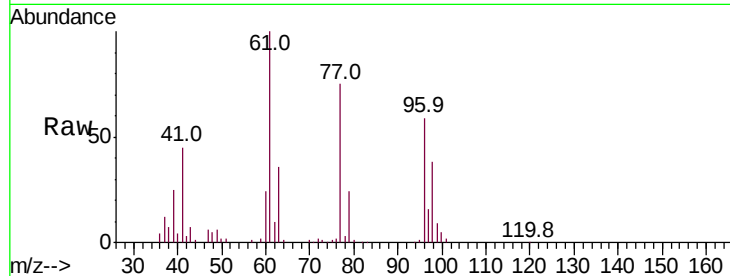
cis-1,2-Dichloroethene
Concen: 45.256 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.8	0.0	340.0
98	64.5	0.0	127.6

Manual Integrations
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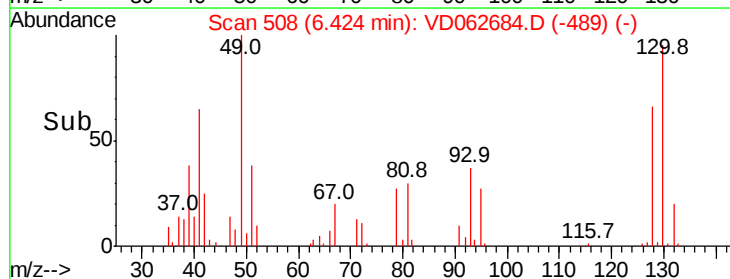
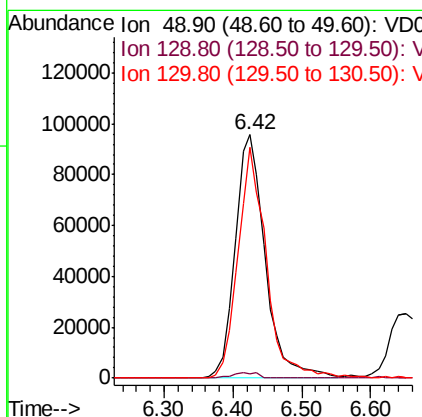
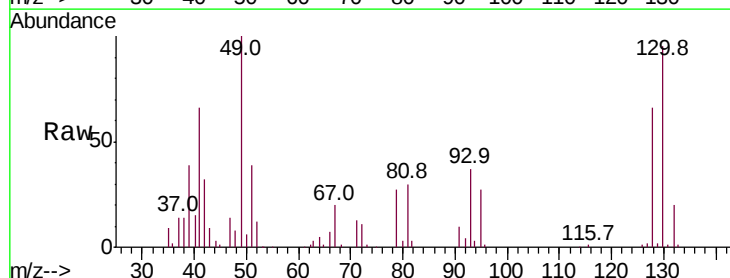
MMDadoda
6/13/2019 3:12:11 PM

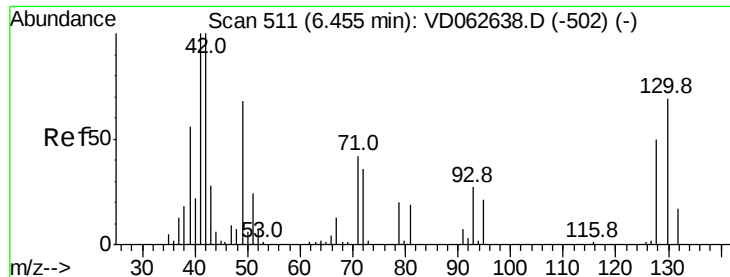


#28

Bromochloromethane
Concen: 52.878 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	8.2
130	94.8	73.4	110.0





#29

Tetrahydrofuran

Concen: 232.195 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 42 Resp: 211638

Ion Ratio Lower Upper

42 100

72 42.0 33.8 50.6

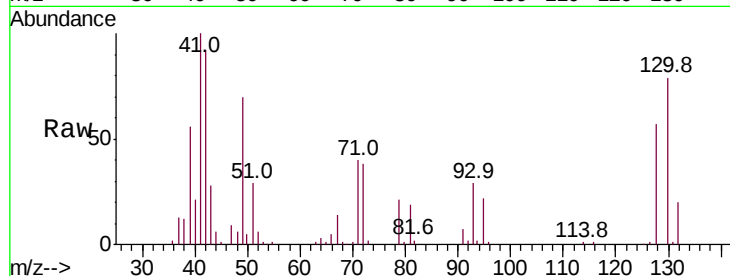
71 43.7 34.2 51.4

Manual Integrations

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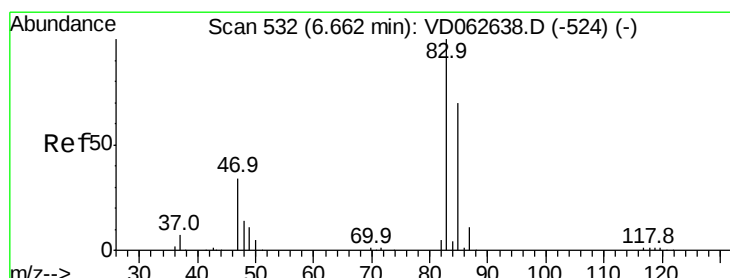
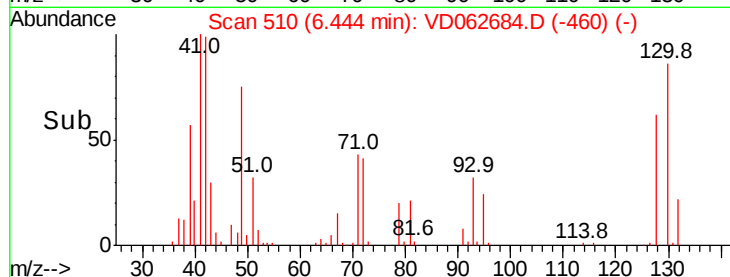
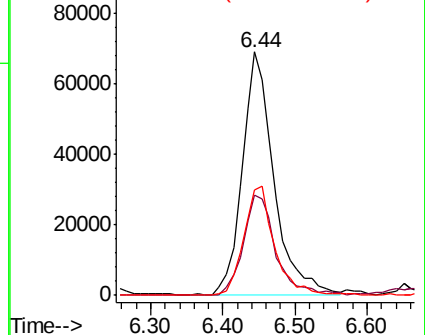
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Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 46.303 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD062684.D

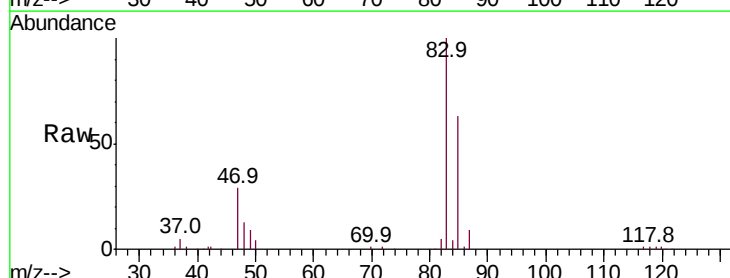
Acq: 12 Jun 2019 19:46

Tgt Ion: 83 Resp: 846761

Ion Ratio Lower Upper

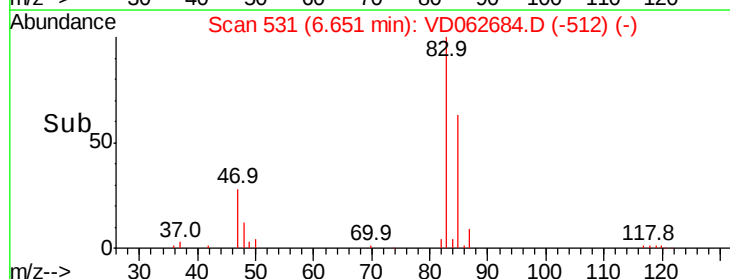
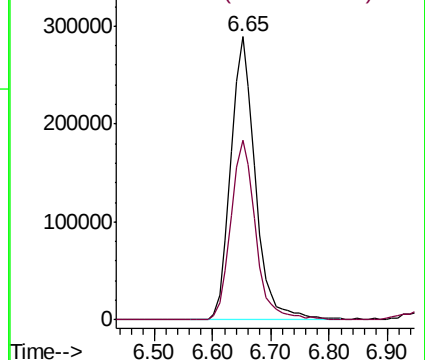
83 100

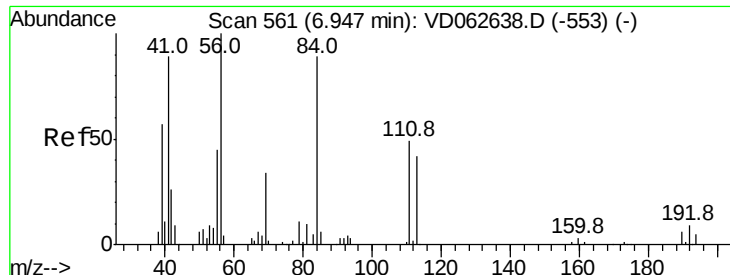
85 63.4 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





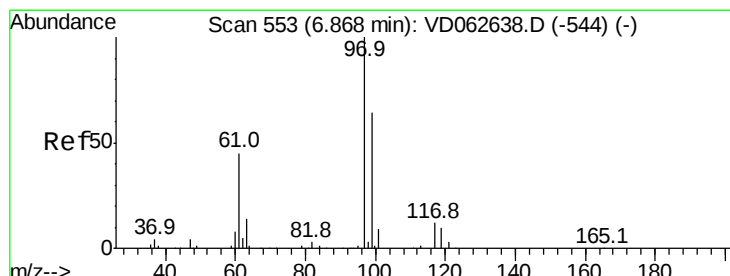
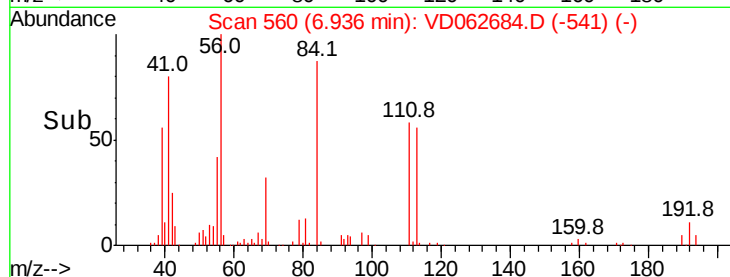
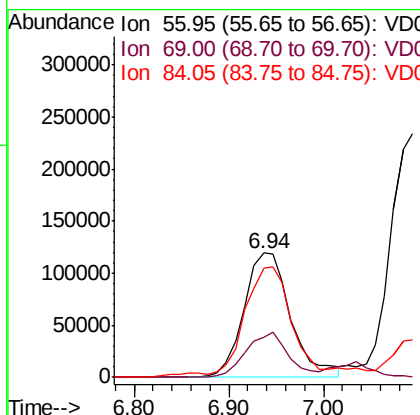
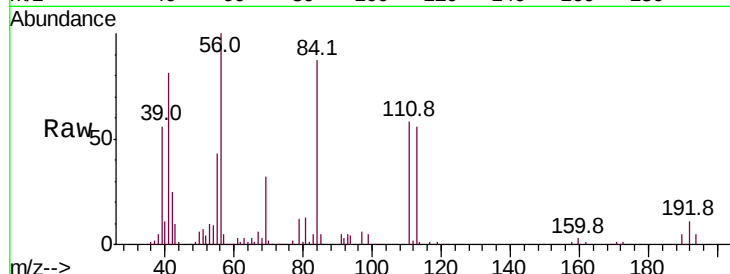
#31
Cvclohexane
Concen: 45.869 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.8	40.2
84	87.4	73.9	110.9

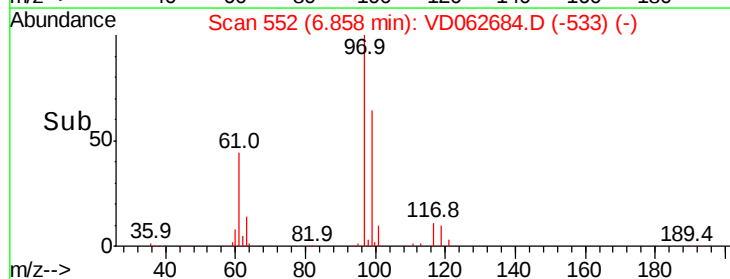
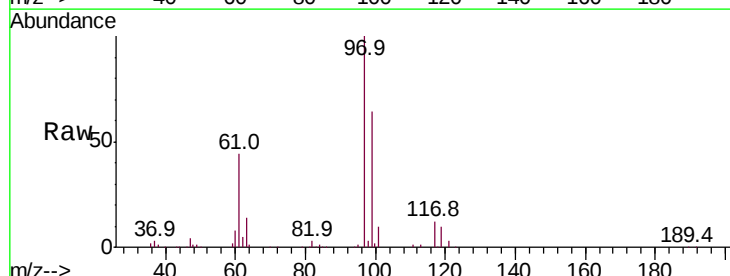
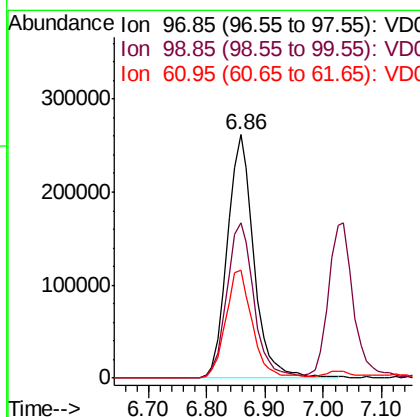
Manual Integrations
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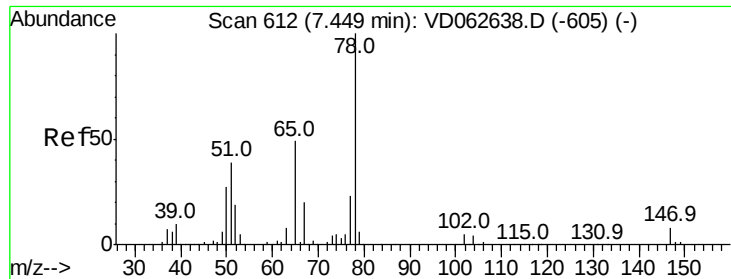
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.441 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	44.5	35.6	53.4





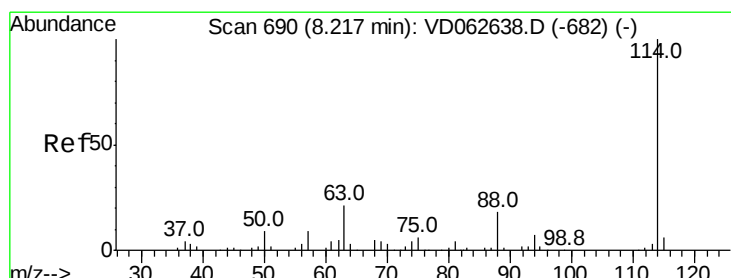
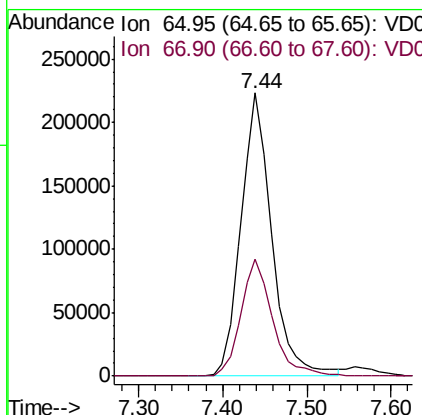
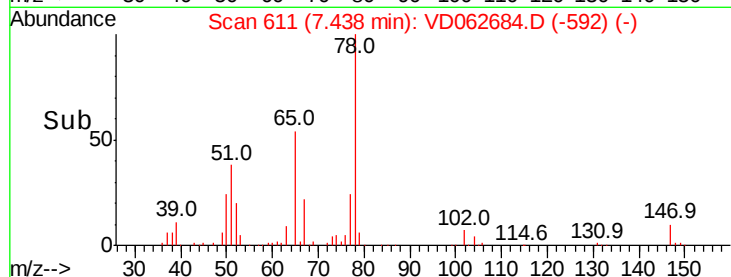
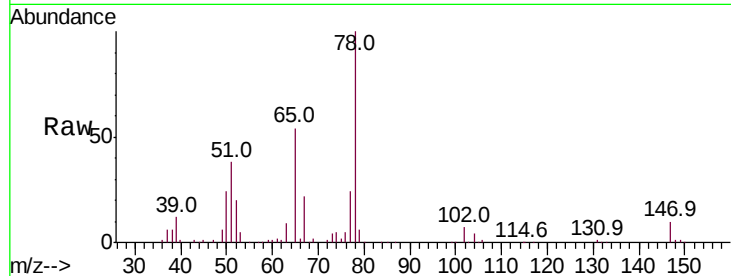
#33
 1,2-Dichloroethane-d4
 Concen: 50.323 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 570144
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 81.8

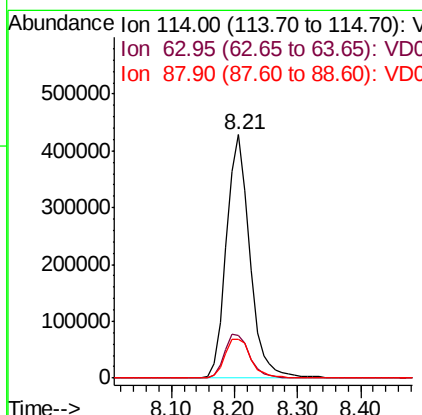
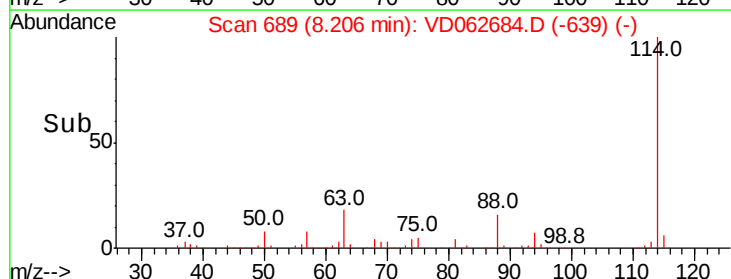
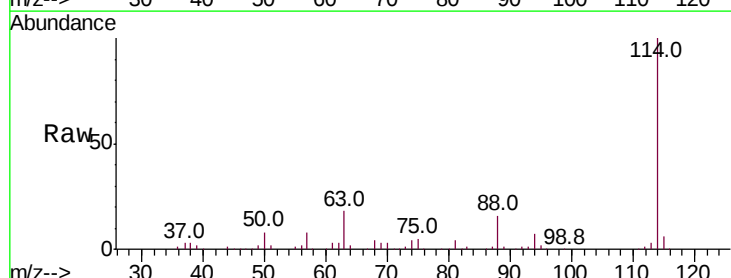
Manual Integrations
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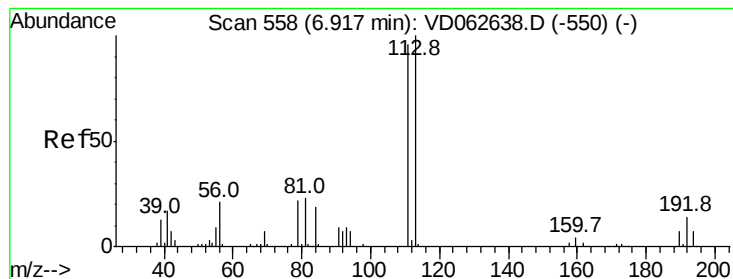
MMDadoda
 6/13/2019 3:12:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 114 Resp: 1101281
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 42.4
 88 16.0 0.0 36.8





#35

Dibromofluoromethane

Concen: 48.609 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 564573

Ion Ratio Lower Upper

113 100

111 106.1 76.4 114.6

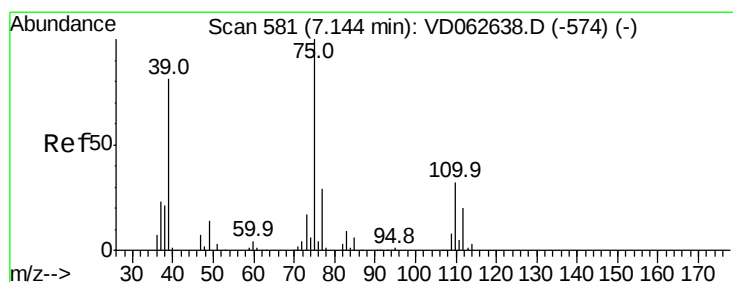
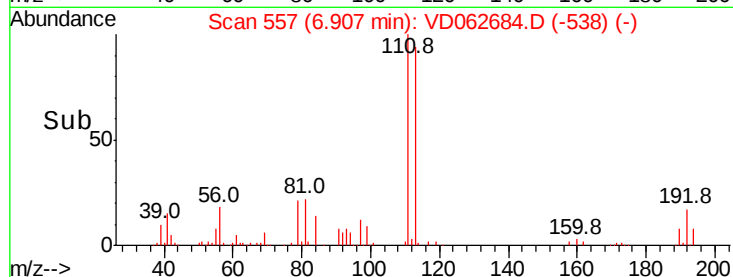
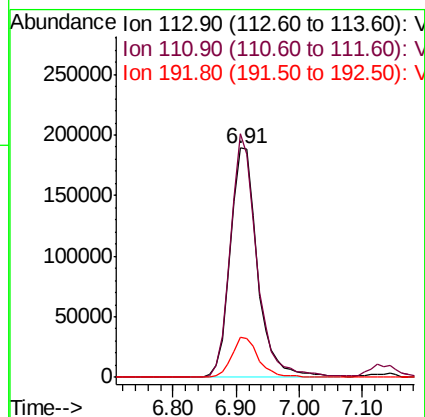
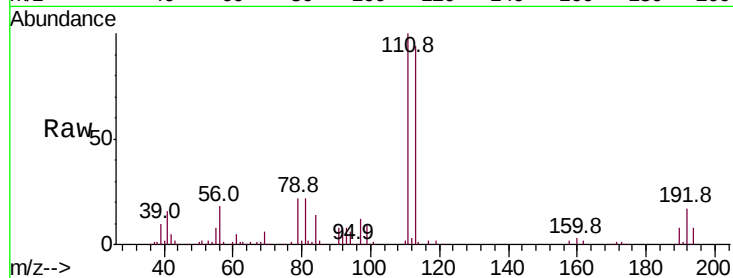
192 17.6 11.4 17.0#

Manual Integrations

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6/13/2019 3:12:11 PM



#36

1,1-Dichloropropene

Concen: 42.985 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

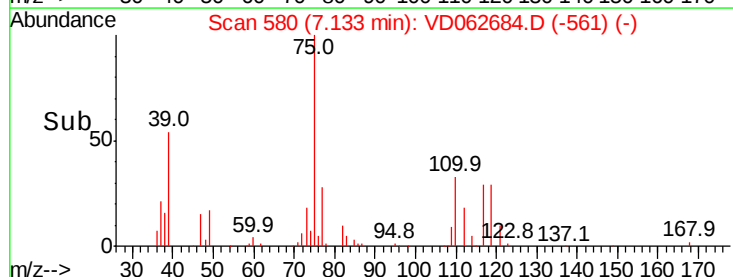
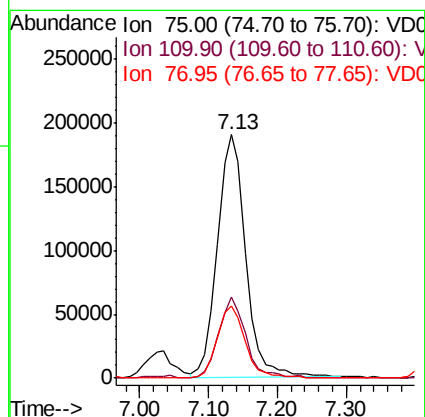
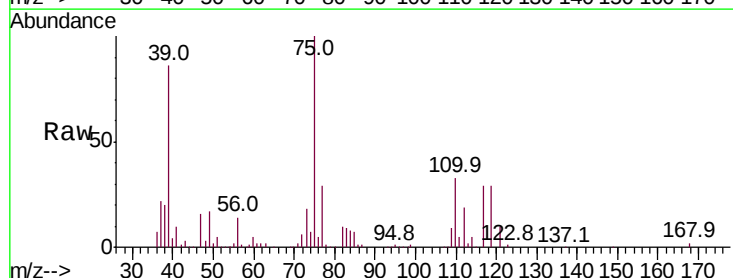
Tgt Ion: 75 Resp: 541795

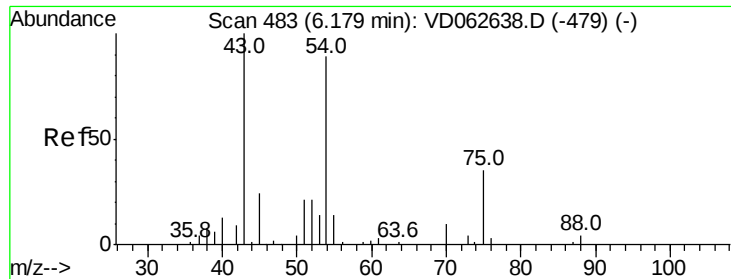
Ion Ratio Lower Upper

75 100

110 33.3 15.9 47.7

77 29.4 23.3 34.9





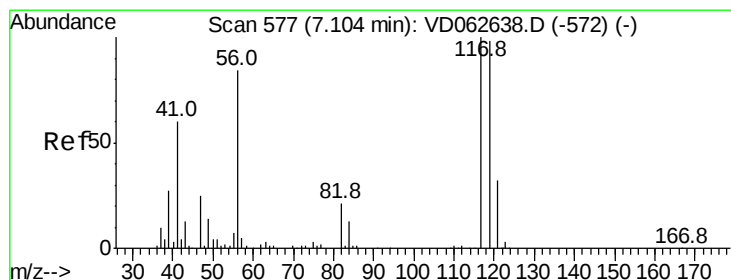
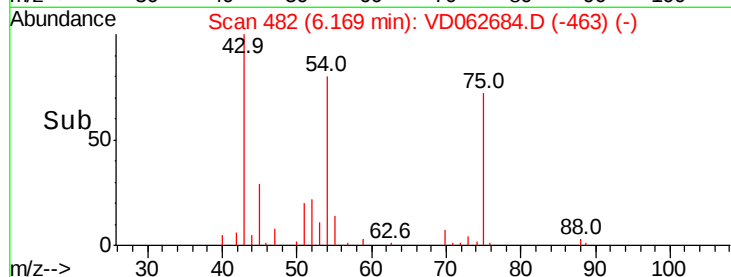
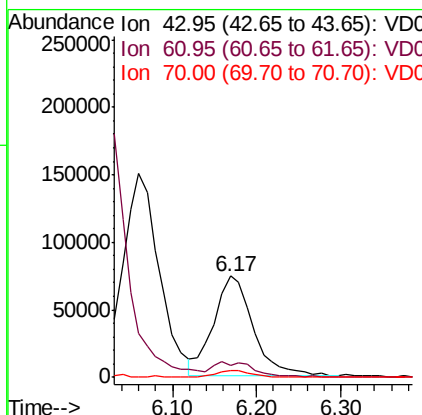
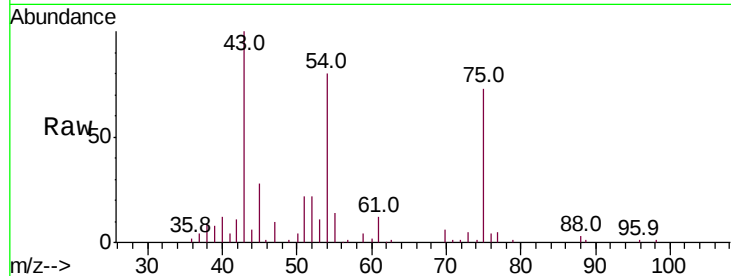
#37
Ethyl Acetate
Concen: 44.691 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 239473
Ion Ratio Lower Upper
43 100
61 12.0 8.7 13.1
70 6.5 6.5 9.7#

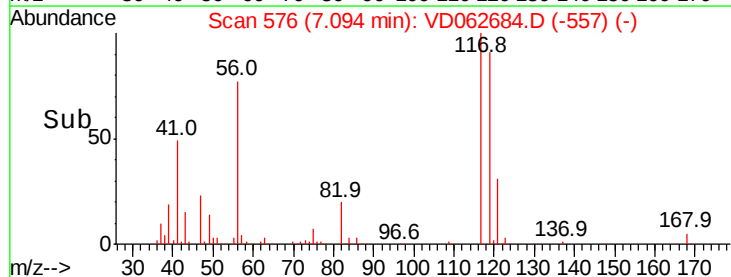
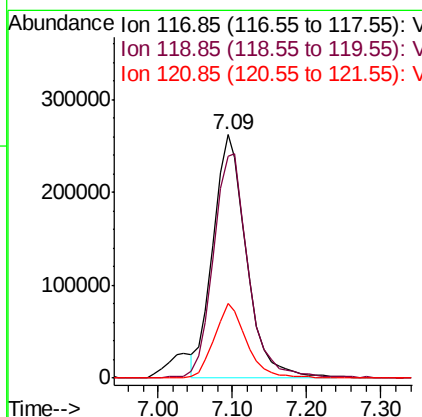
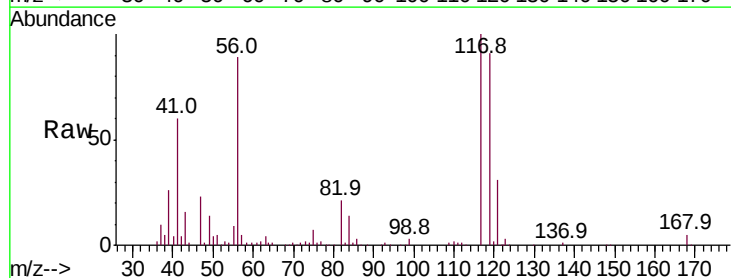
Manual Integrations
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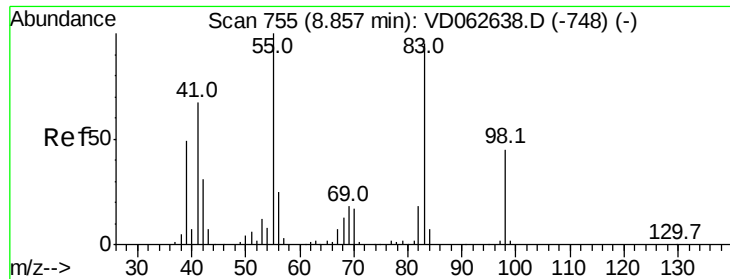
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6/13/2019 3:12:11 PM



#38
Carbon Tetrachloride
Concen: 41.332 ug/l m
RT: 7.09 min Scan# 576
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 117 Resp: 823415
Ion Ratio Lower Upper
117 100
119 91.1 73.5 110.3
121 30.5 24.2 36.4





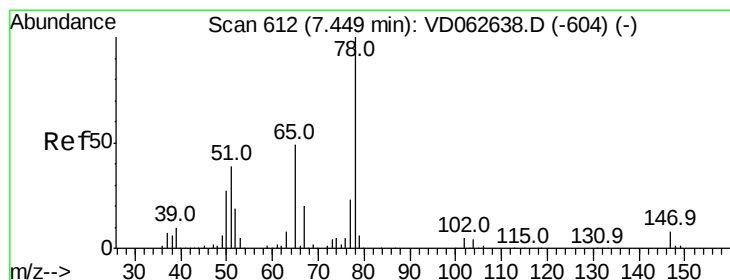
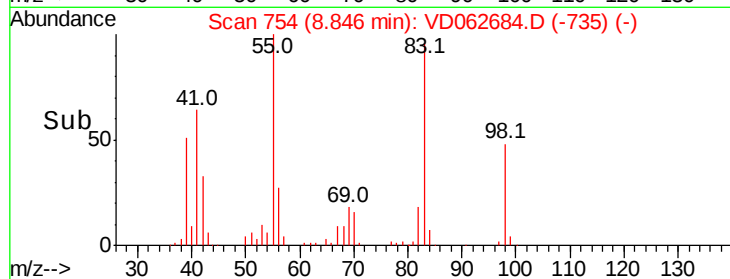
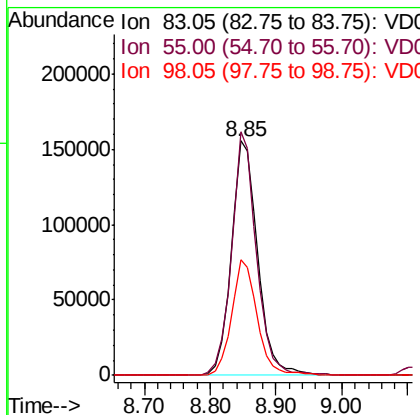
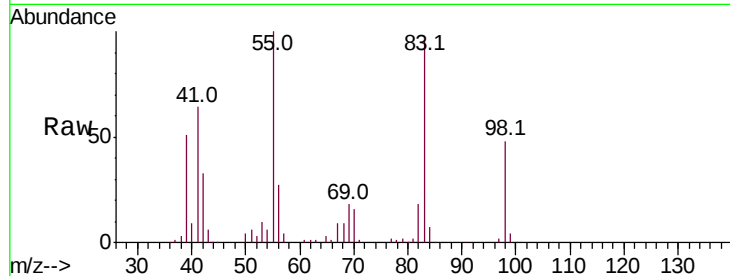
#39
Methvlcvclohexane
Concen: 42.720 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	103.8	84.6	127.0
98	49.5	38.2	57.4

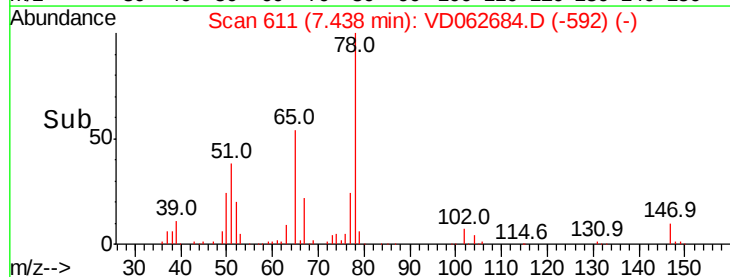
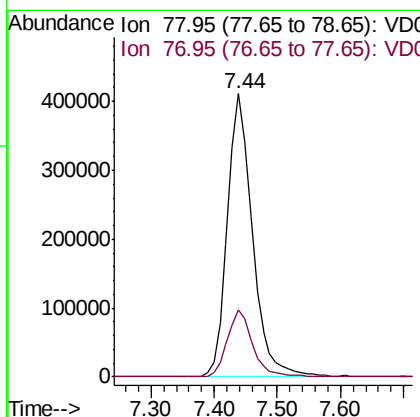
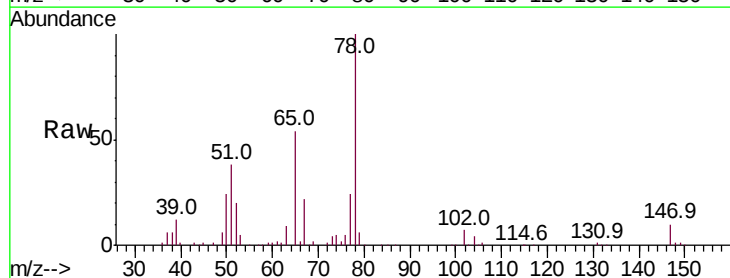
Manual Integrations
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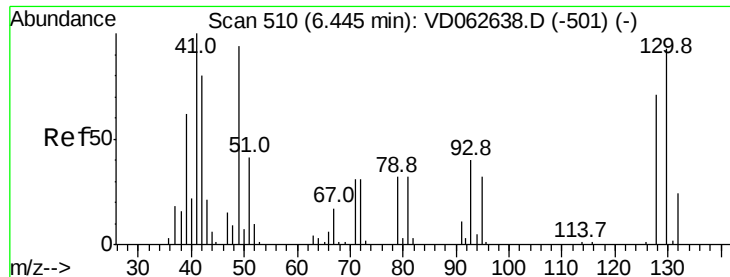
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#40
Benzene
Concen: 45.931 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





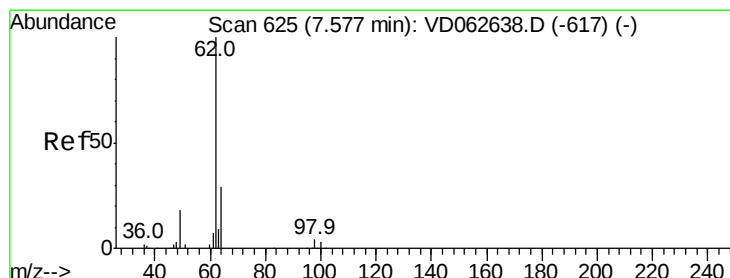
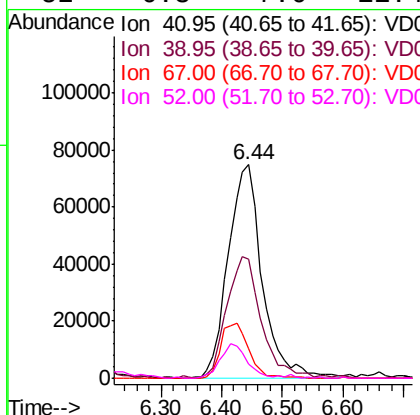
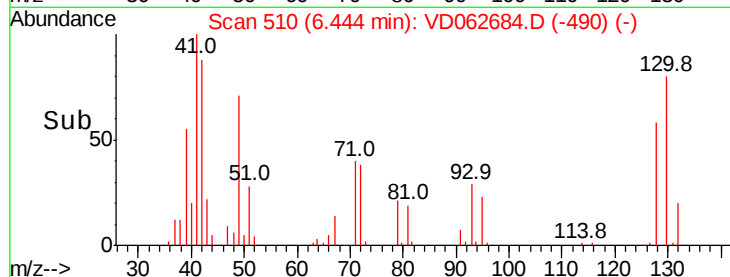
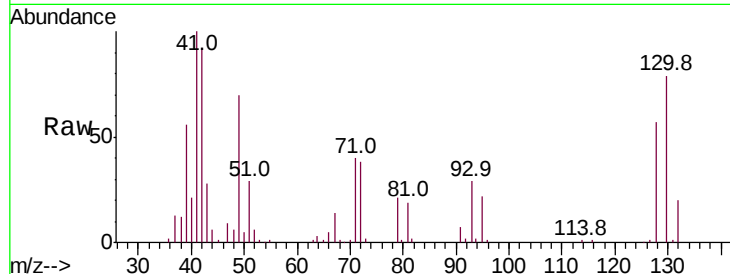
#41
Methacrylonitrile
Concen: 44.341 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	49.2	73.8
67	13.7	13.9	20.9
52	6.3	7.6	11.4

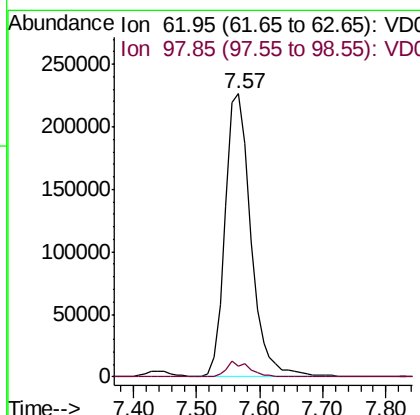
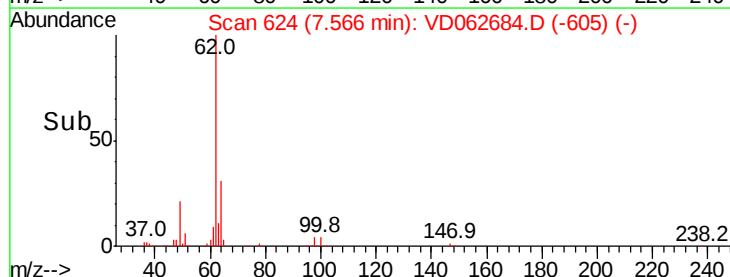
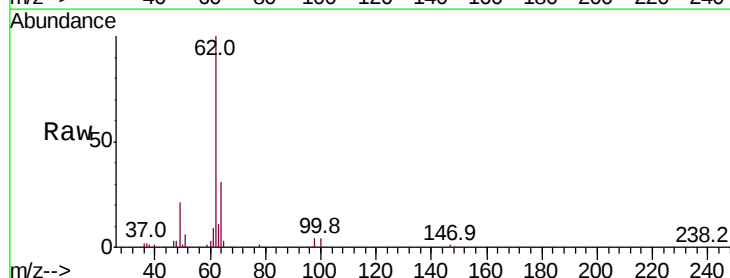
Manual Integrations
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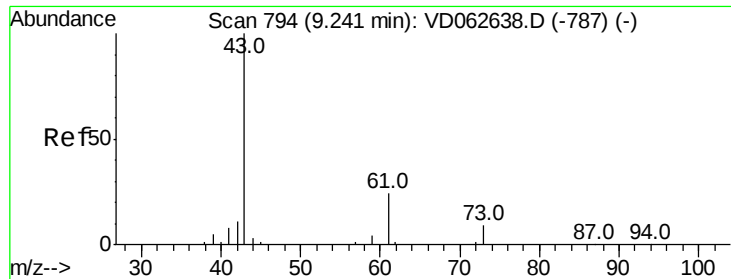
MMDadoda
6/13/2019 3:12:11 PM



#42
1,2-Dichloroethane
Concen: 43.599 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	7.4





#43

Isopropyl Acetate

Concen: 46.415 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

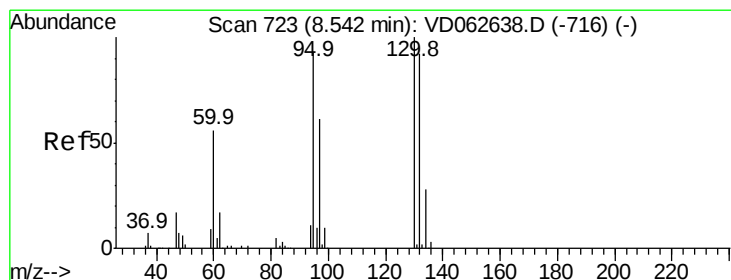
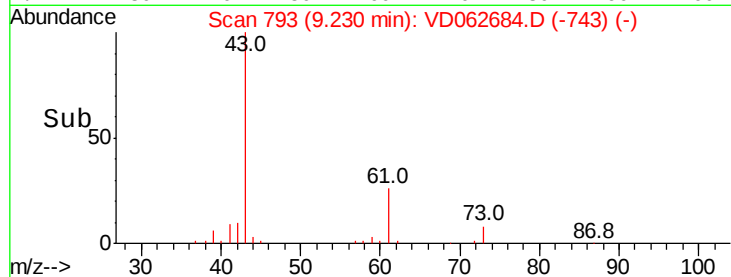
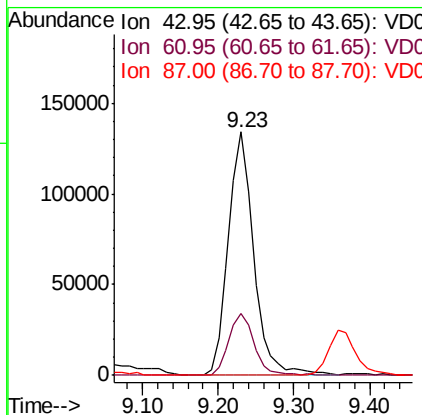
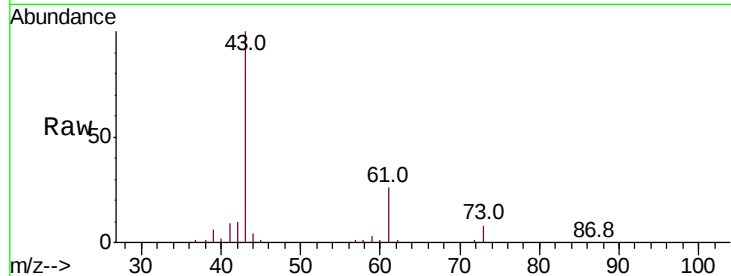
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	308684
Ion	Ratio	Lower	Upper
43	100		
61	25.5	19.0	28.6
87	0.4	0.3	0.5

Manual Integrations
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#44

Trichloroethene

Concen: 45.749 ug/l

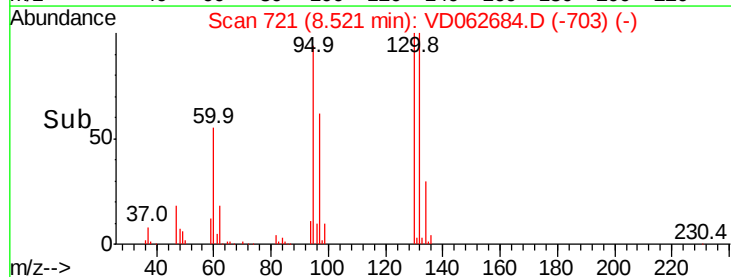
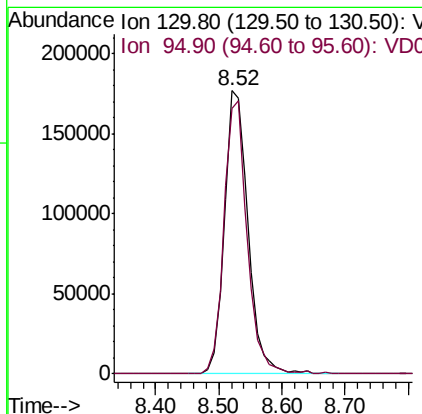
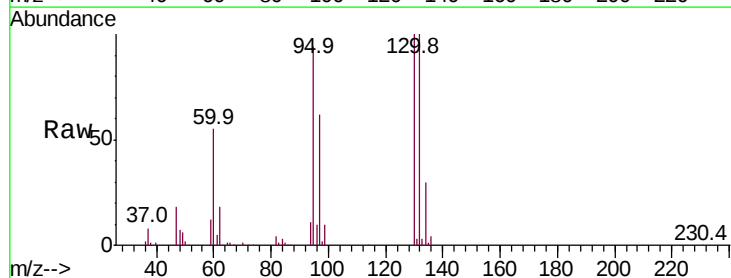
RT: 8.52 min Scan# 721

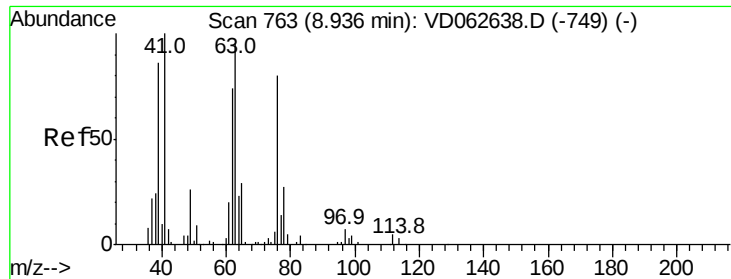
Delta R.T. -0.02 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion:	130	Resp:	457163
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	185.6





#45

1,2-Dichloropropane

Concen: 44.322 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 262050

Ion Ratio Lower Upper

63 100

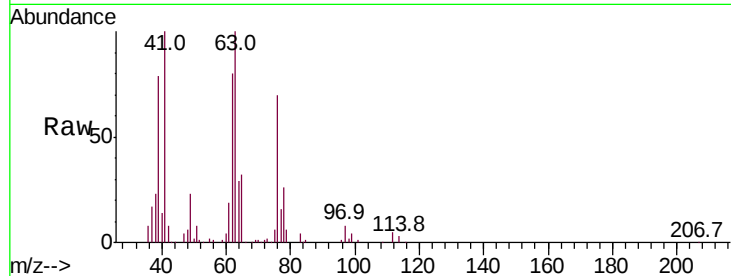
65 31.6 24.6 37.0

Manual Integrations

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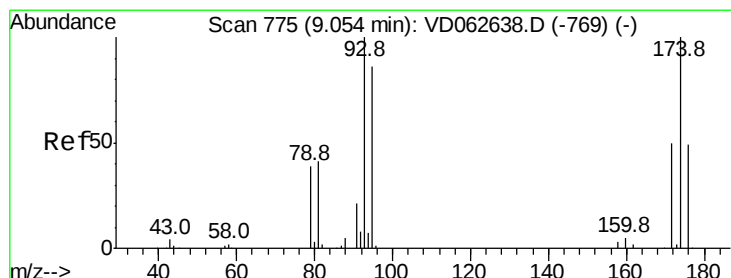
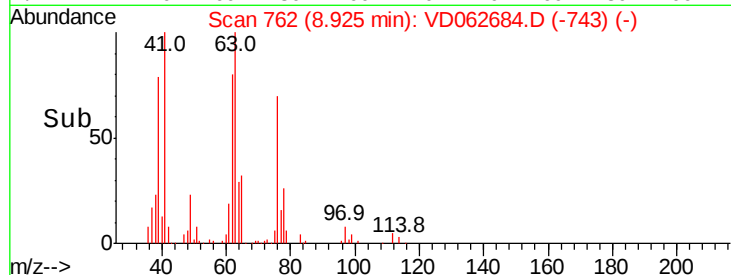
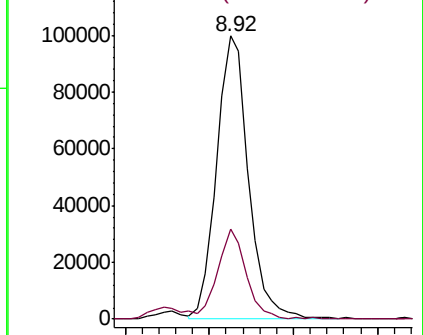
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 46.847 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

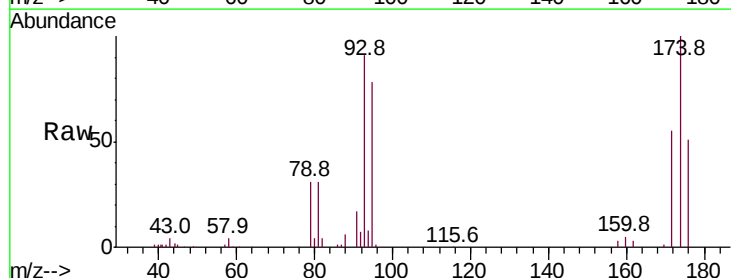
Tgt Ion: 93 Resp: 245856

Ion Ratio Lower Upper

93 100

95 85.5 68.7 103.1

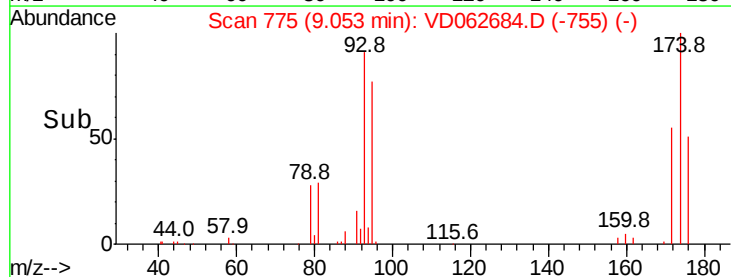
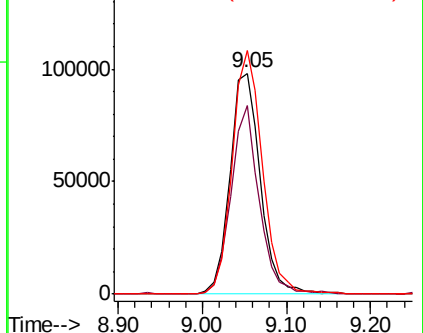
174 110.1 79.8 119.8

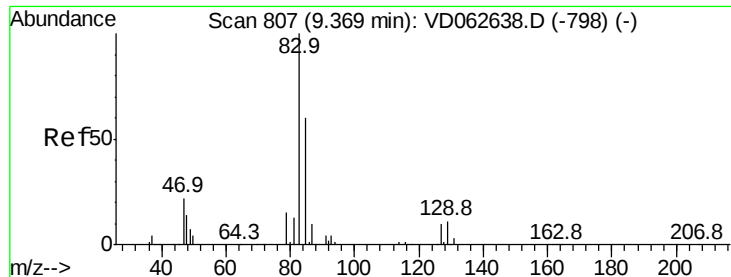


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 45.932 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

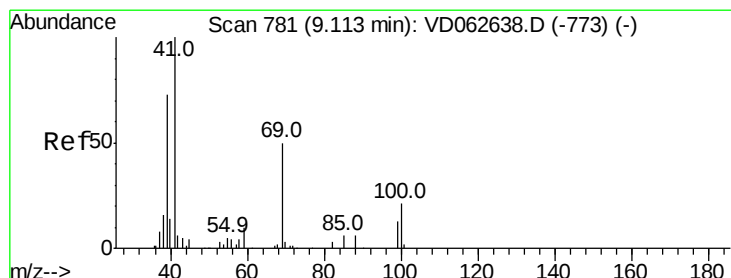
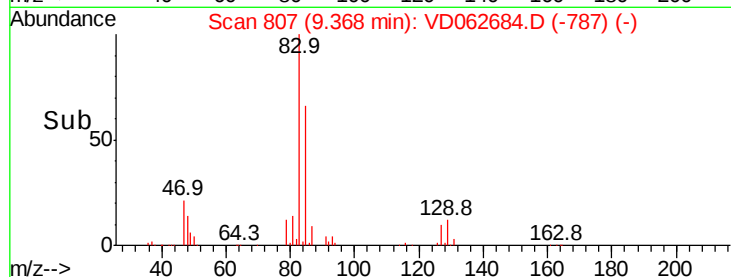
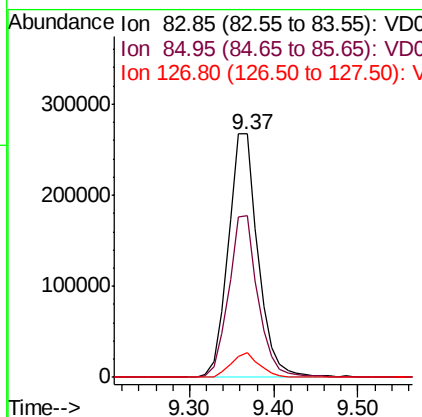
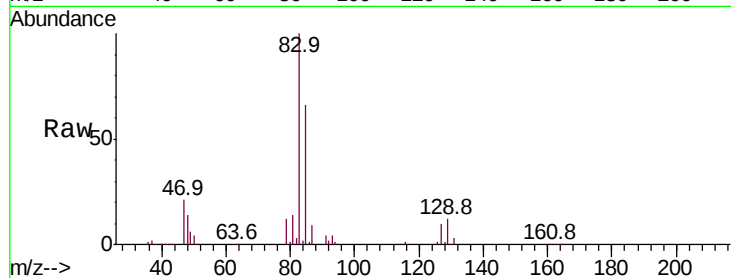
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	655743
Ion	Ratio	Lower	Upper
83	100		
85	66.3	47.9	71.9
127	10.2	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.432 ug/l

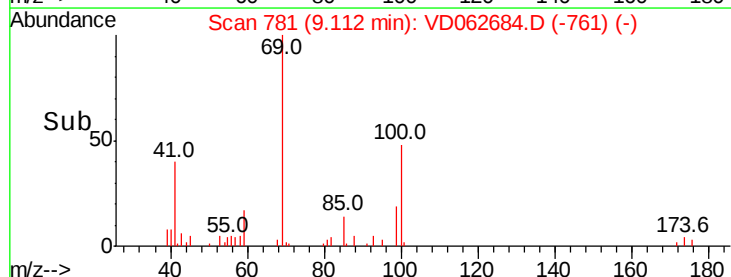
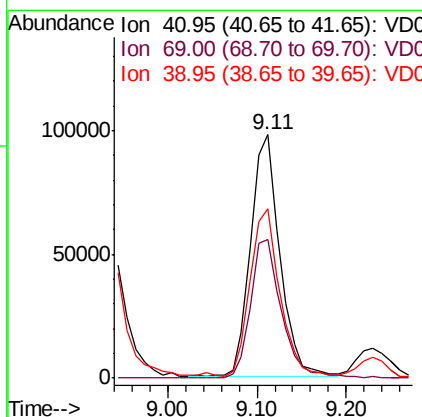
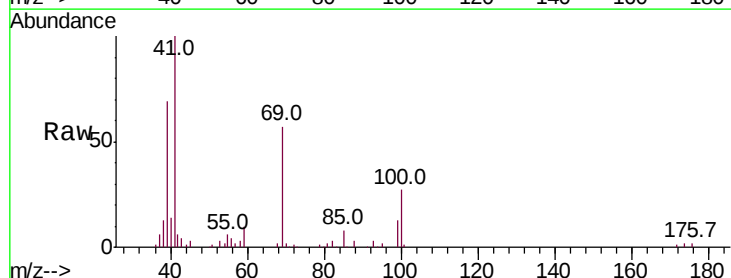
RT: 9.11 min Scan# 781

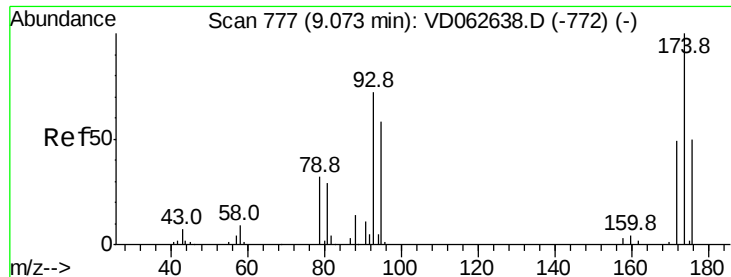
Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion:	41	Resp:	218282
Ion	Ratio	Lower	Upper
41	100		
69	56.8	39.8	59.6
39	69.5	59.1	88.7





#49

1,4-Dioxane

Concen: 849.158 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 36162

Ion Ratio Lower Upper

88 100

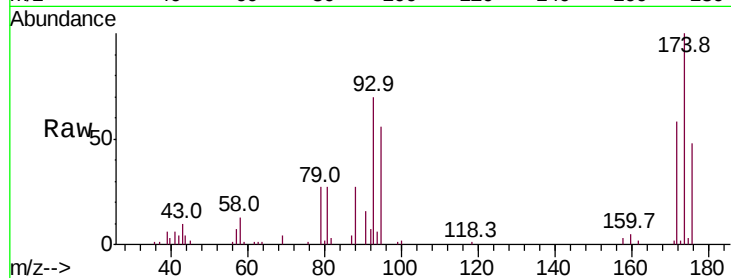
43 37.0 40.7 61.1#

58 48.9 54.2 81.4#

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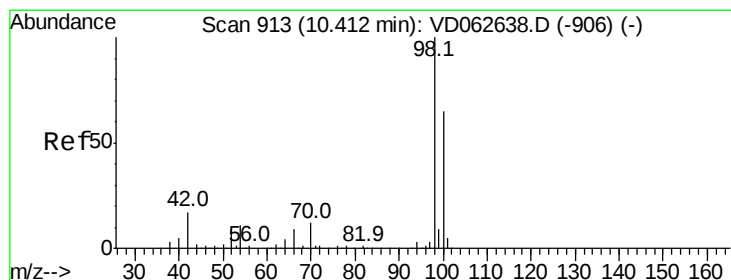
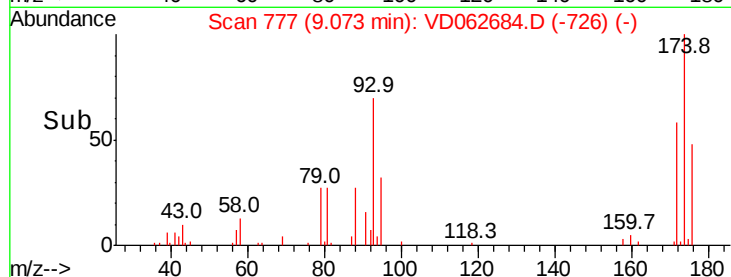
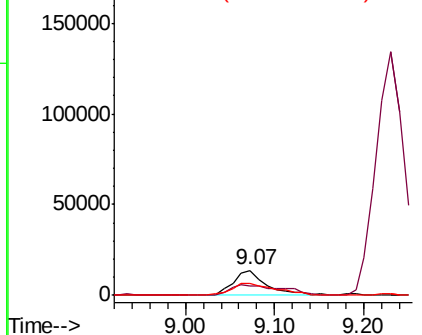
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 48.368 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD062684.D

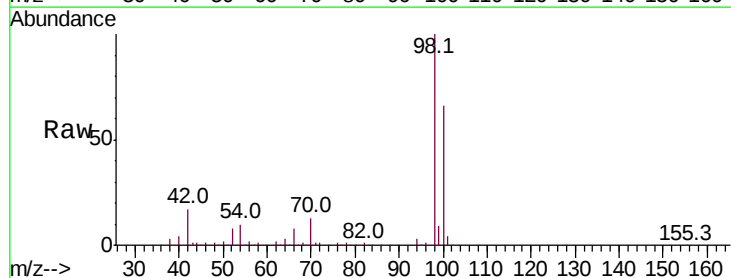
Acq: 12 Jun 2019 19:46

Tgt Ion: 98 Resp: 1181767

Ion Ratio Lower Upper

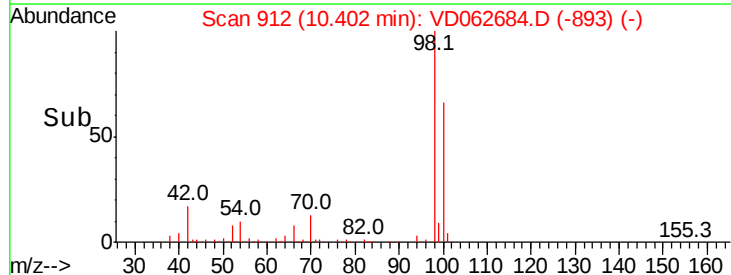
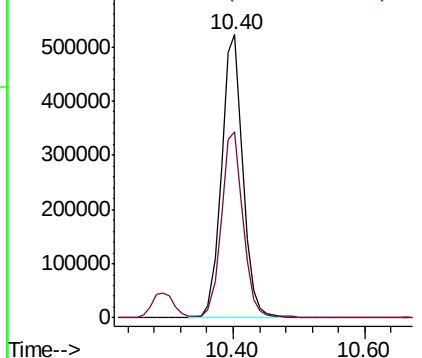
98 100

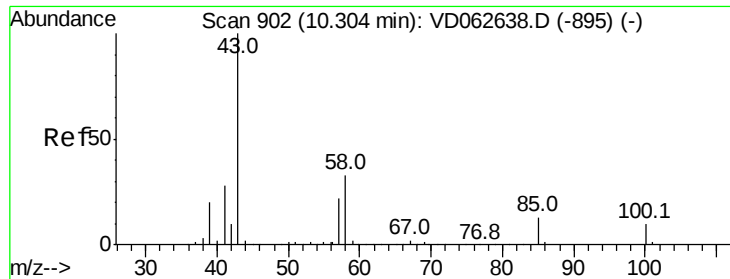
100 65.9 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 236.900 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tot Ion: 43 Resp: 1102411

Ion Ratio Lower Upper

43 100

58 32.2 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

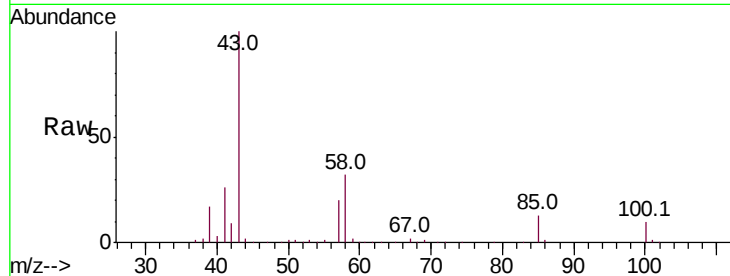
VSTDCCC050EC

Manual Integrations

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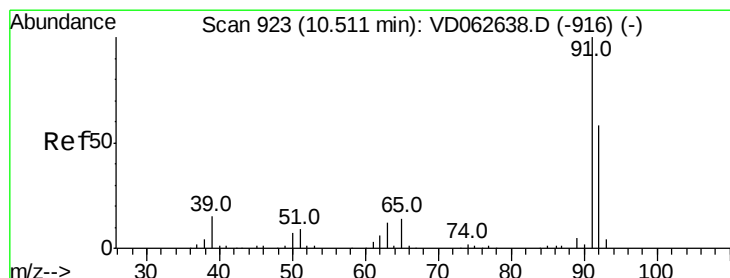
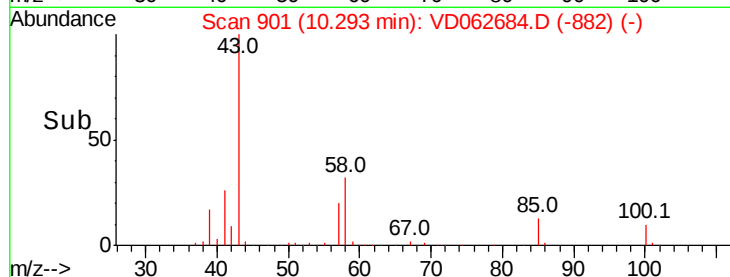
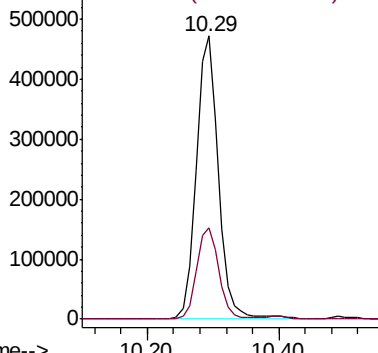
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.082 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062684.D

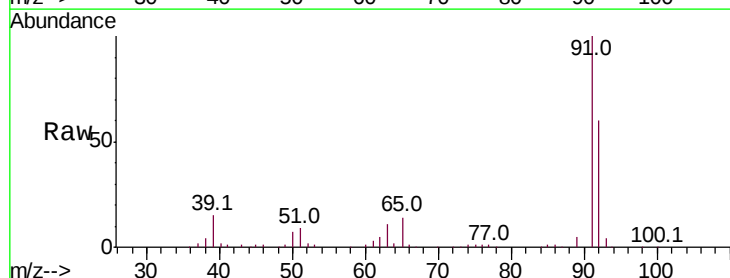
Acq: 12 Jun 2019 19:46

Tgt Ion: 92 Resp: 745913

Ion Ratio Lower Upper

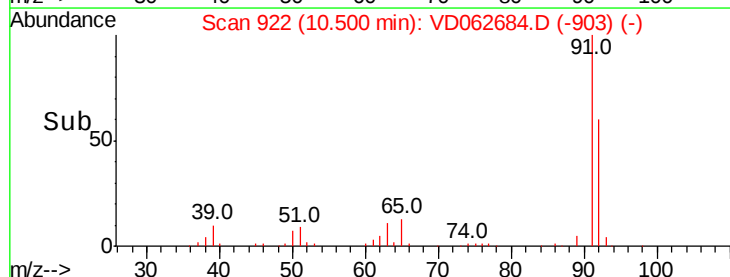
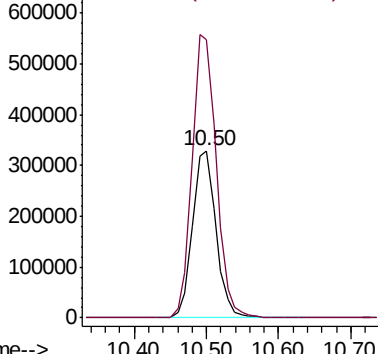
92 100

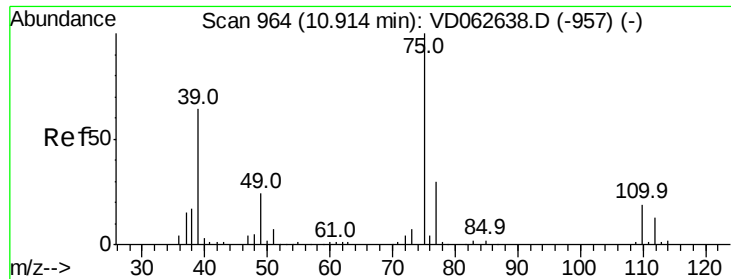
91 166.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 46.618 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 545663

Ion Ratio Lower Upper

75 100

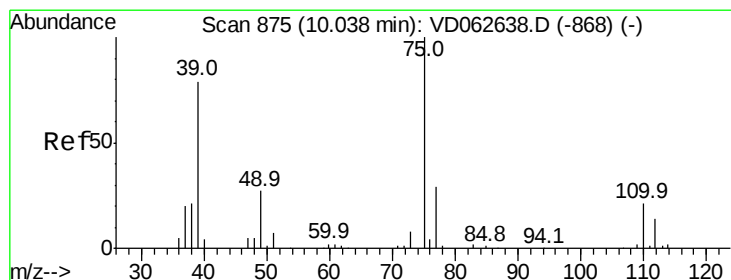
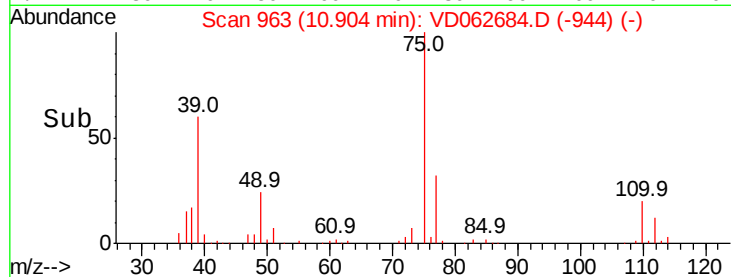
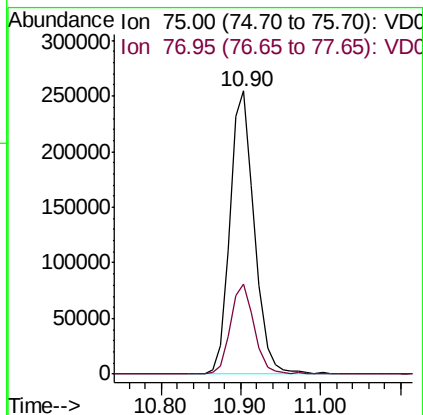
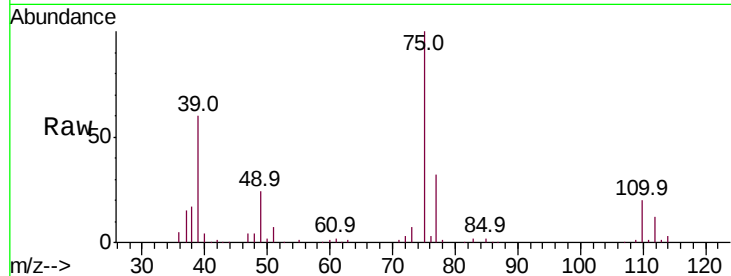
77 32.0 24.1 36.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 47.251 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

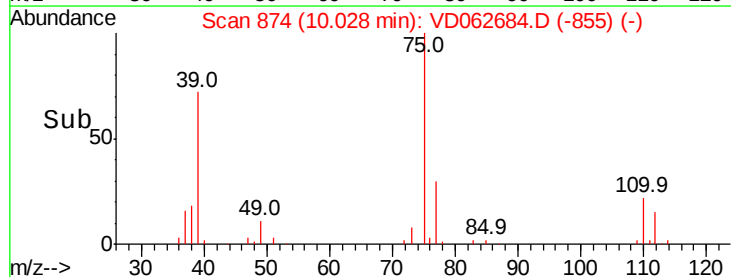
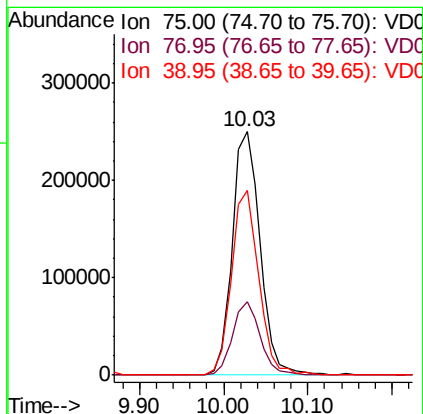
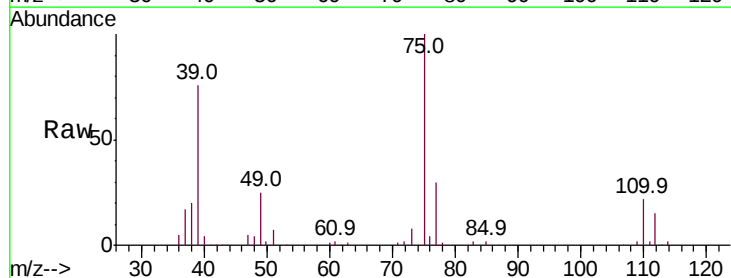
Tgt Ion: 75 Resp: 571622

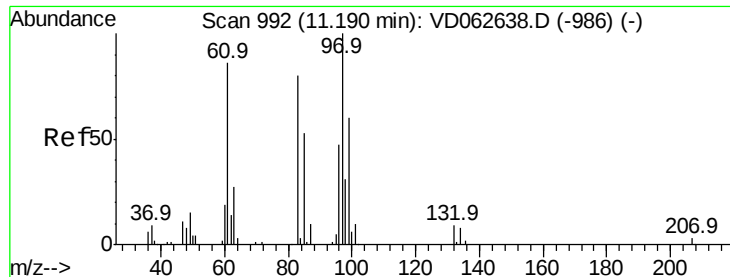
Ion Ratio Lower Upper

75 100

77 30.2 23.1 34.7

39 75.8 63.4 95.2





#55

1,1,2-Trichloroethane

Concen: 45.804 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 259898

Ion Ratio Lower Upper

97 100

83 78.6 63.8 95.8

85 51.8 42.3 63.5

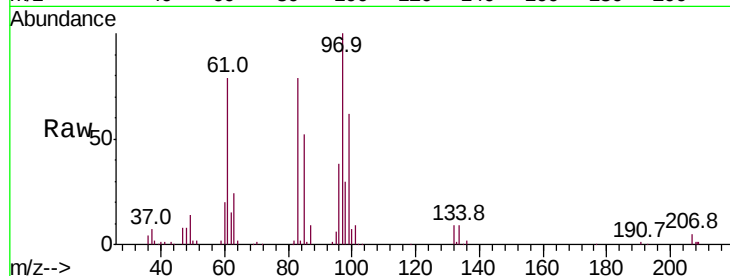
99 62.2 48.0 72.0

Manual Integrations

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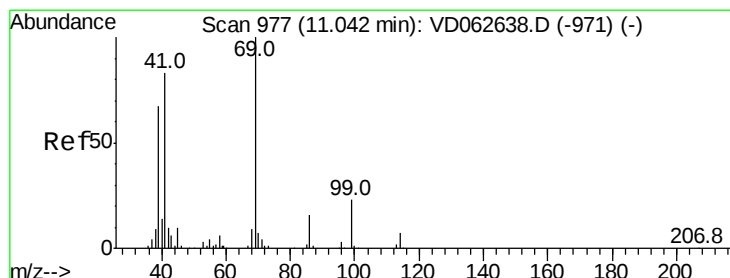
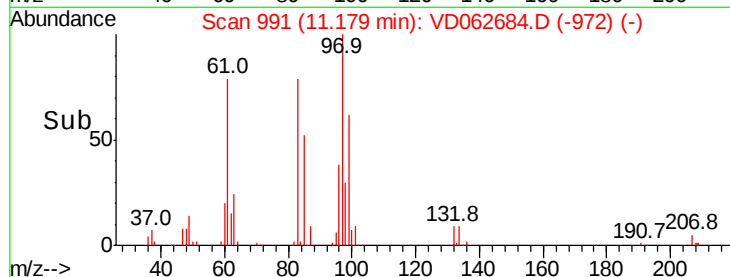
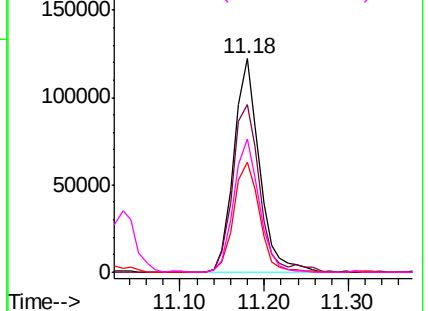


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 43.602 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

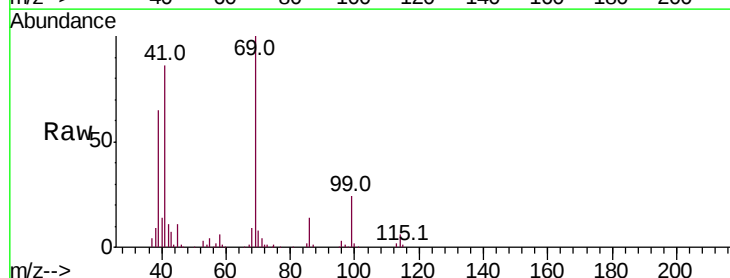
Tgt Ion: 69 Resp: 294353

Ion Ratio Lower Upper

69 100

41 86.2 66.2 99.4

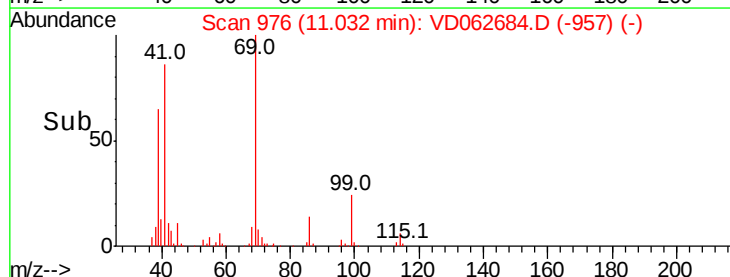
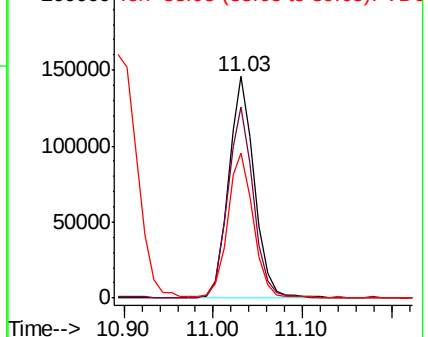
39 65.3 53.8 80.8

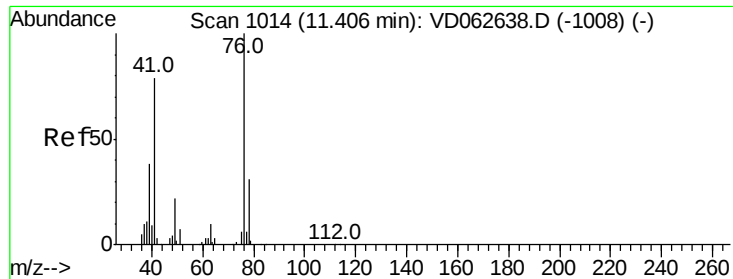


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





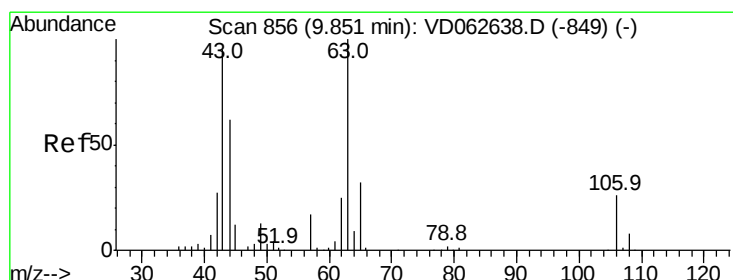
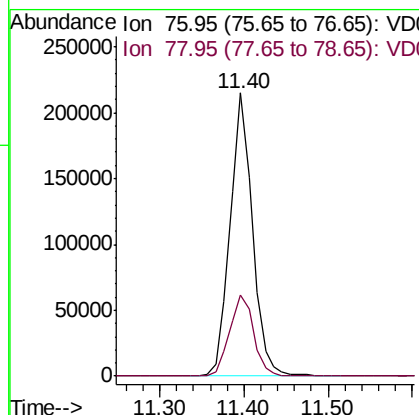
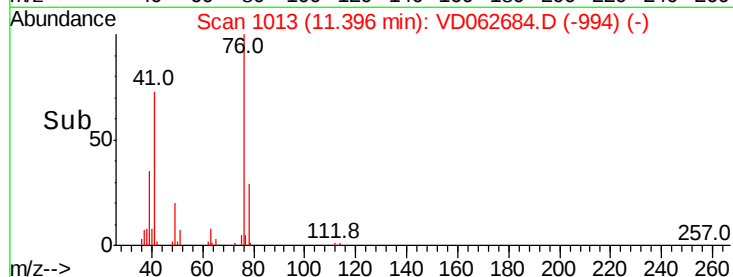
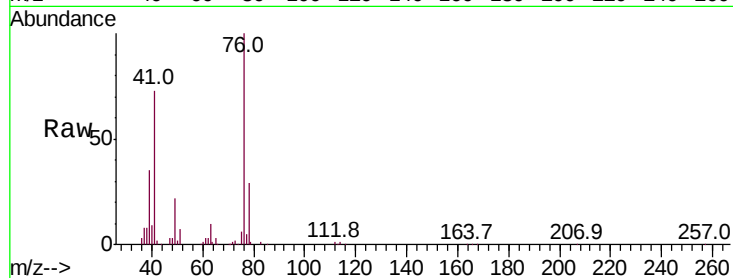
#57
 1,3-Dichloropropane
 Concen: 44.995 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 395711
 Ion Ratio Lower Upper
 76 100
 78 28.6 24.9 37.3

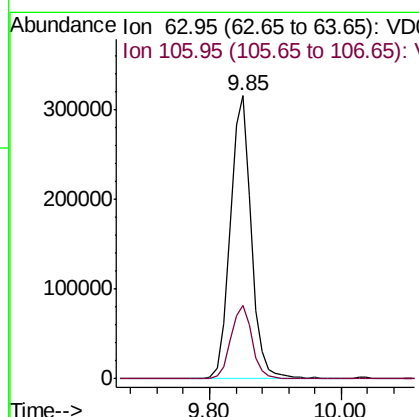
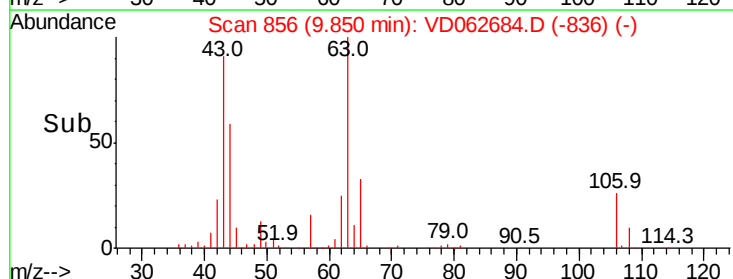
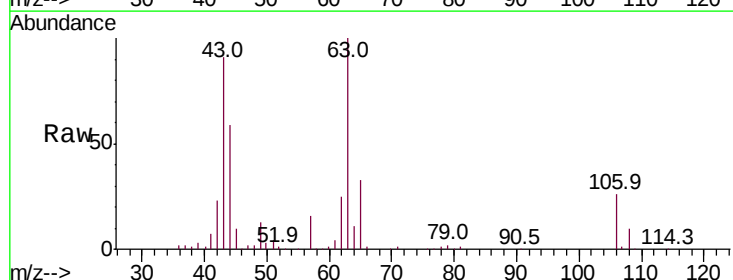
Manual Integrations
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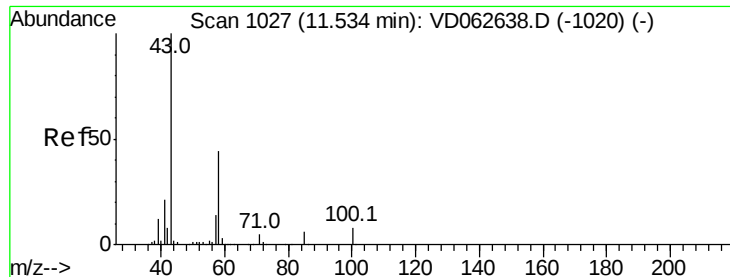
MMDadoda
 6/13/2019 3:12:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.015 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion: 63 Resp: 703632
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.5 30.7





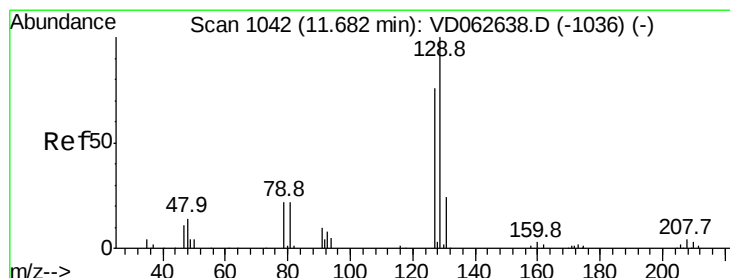
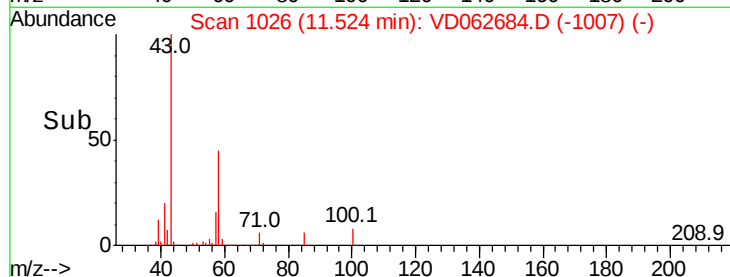
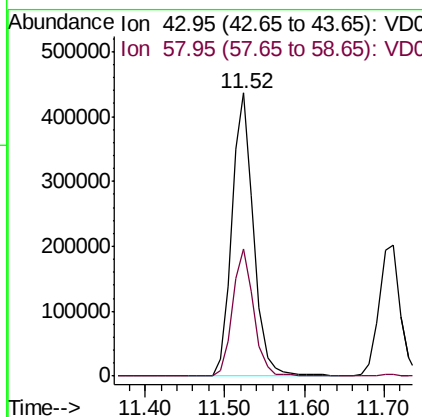
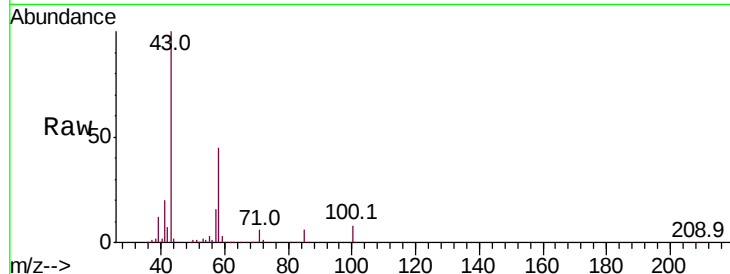
#59
2-Hexanone
Concen: 239.353 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 828529
Ion Ratio Lower Upper
43 100
58 44.8 21.8 65.4

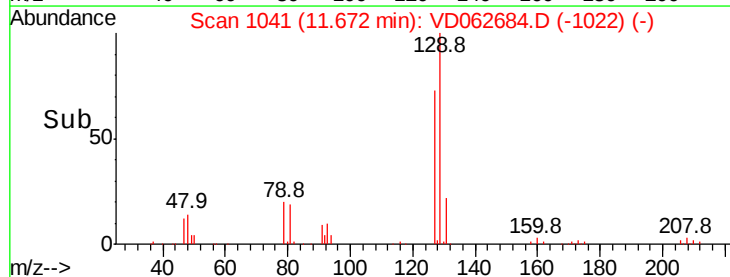
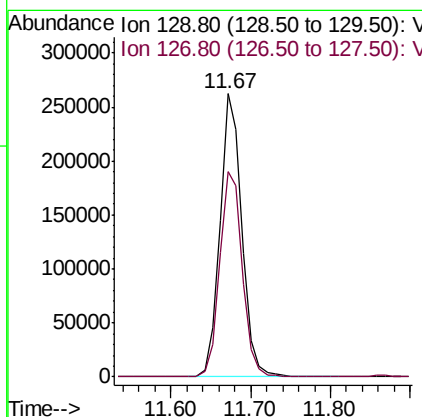
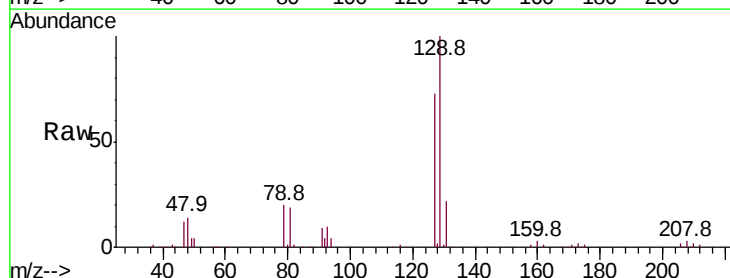
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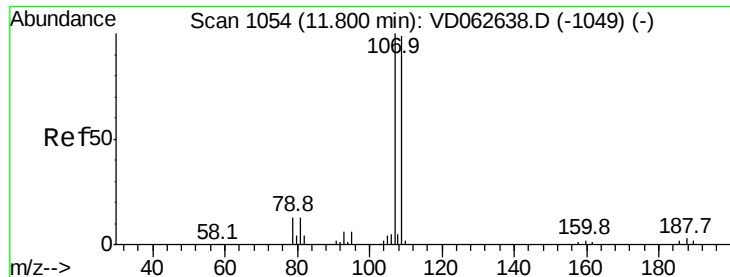
MMDadoda
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#60
Dibromochloromethane
Concen: 45.153 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 129 Resp: 505754
Ion Ratio Lower Upper
129 100
127 72.6 38.0 114.1





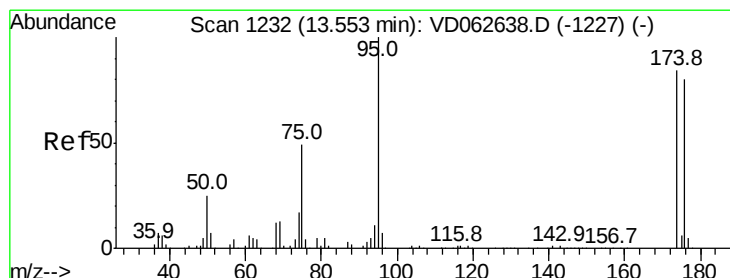
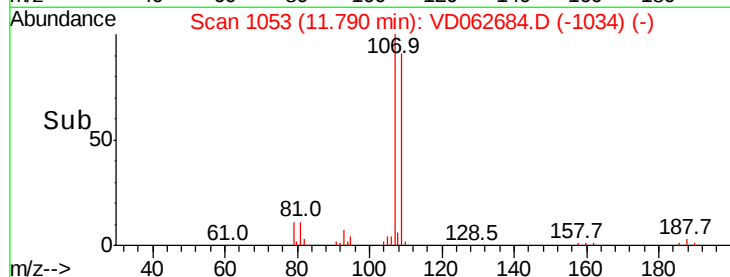
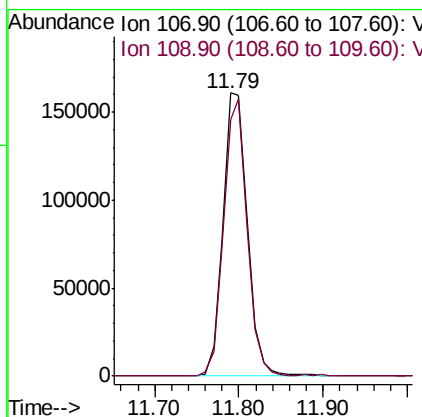
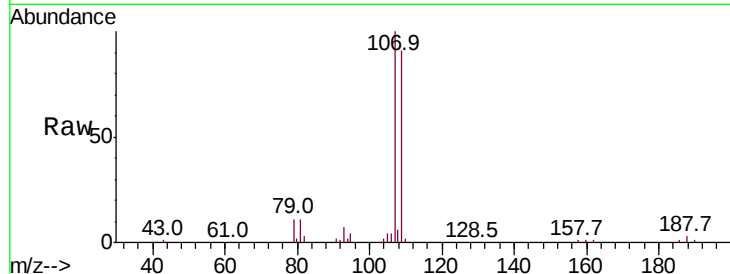
#61
 1,2-Dibromoethane
 Concen: 47.637 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.8	79.2	118.8

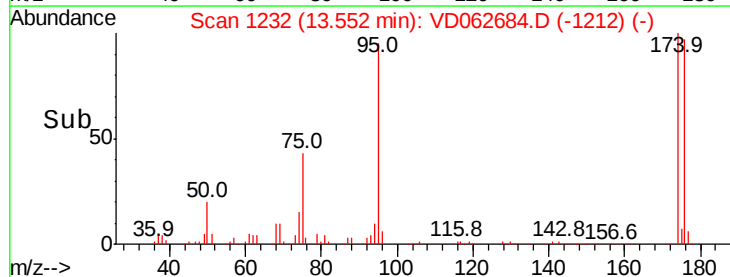
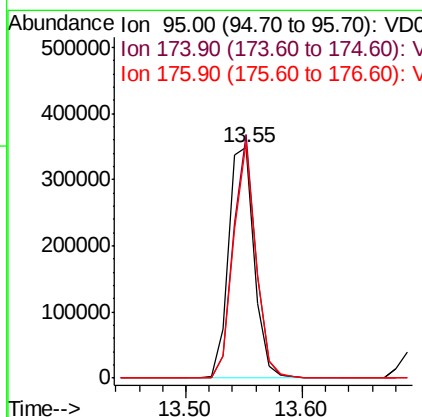
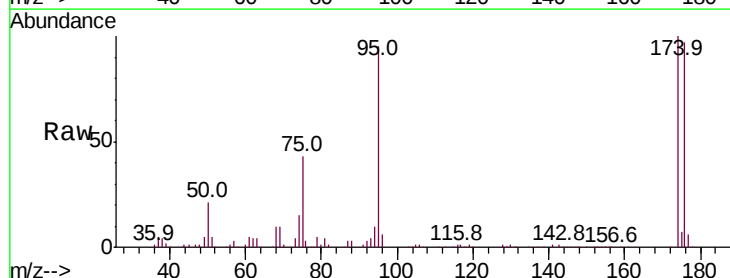
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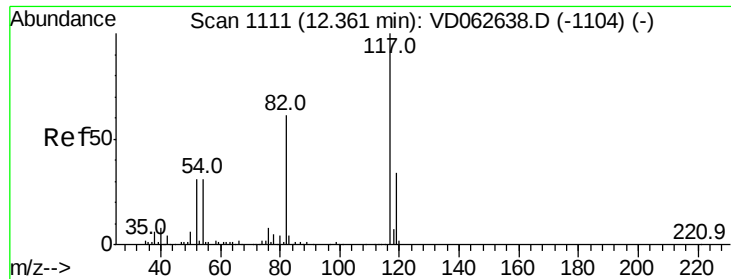
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#62
 4-Bromofluorobenzene
 Concen: 46.953 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	105.8	0.0	167.0
176	102.4	0.0	159.2





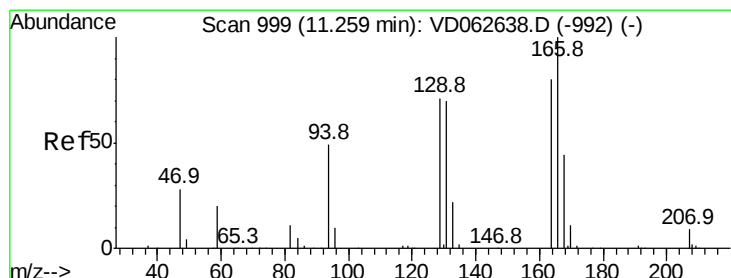
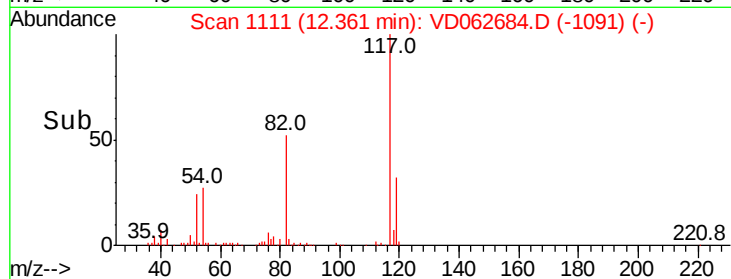
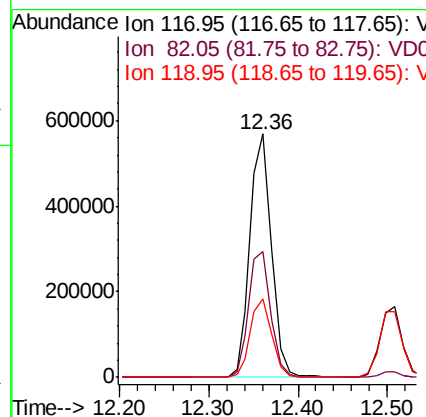
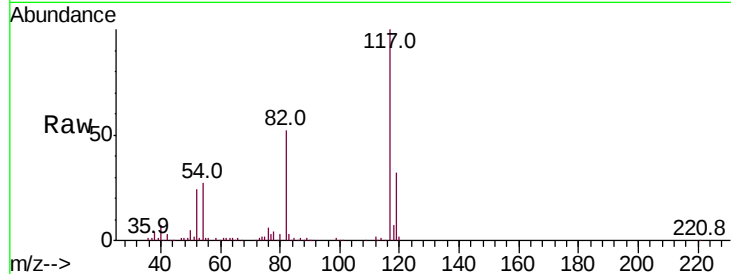
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	48.7	73.1
119	32.3	27.0	40.6

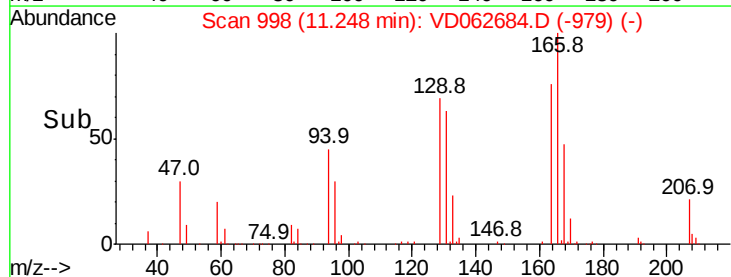
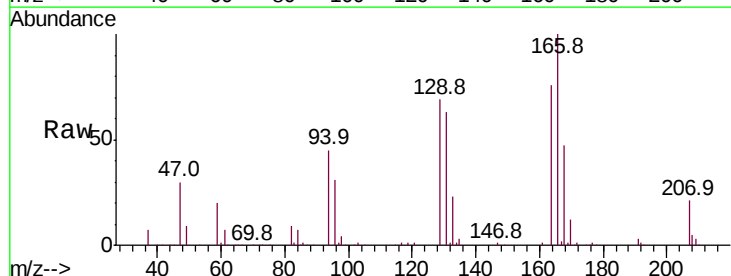
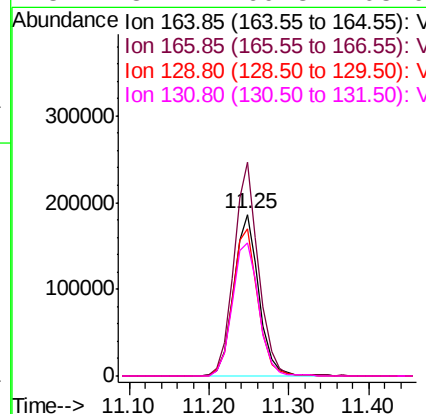
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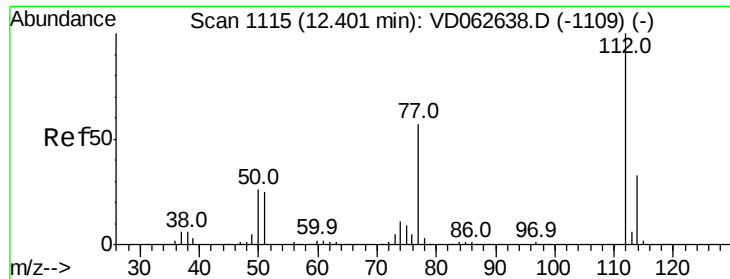
MMDadoda
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#64
Tetrachloroethene
Concen: 45.952 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.0	99.4	149.2
129	90.9	70.2	105.4
131	82.7	69.3	103.9





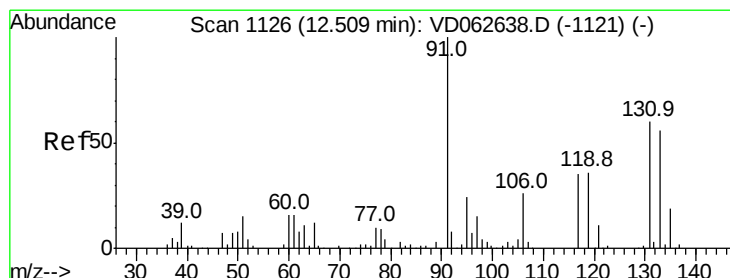
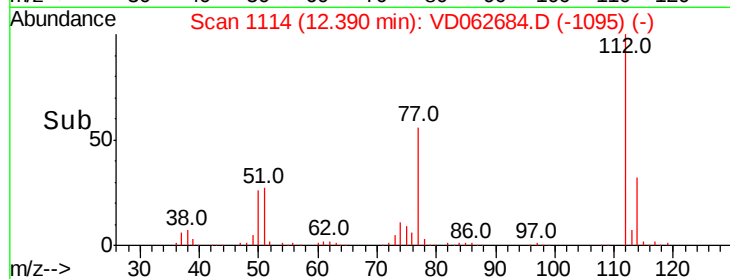
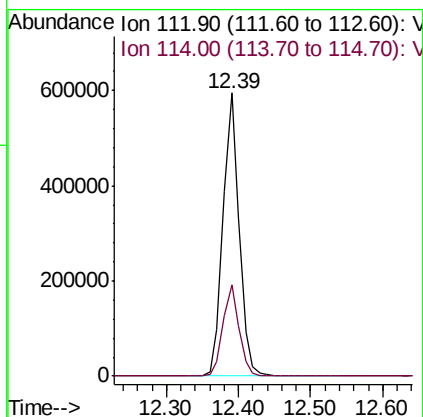
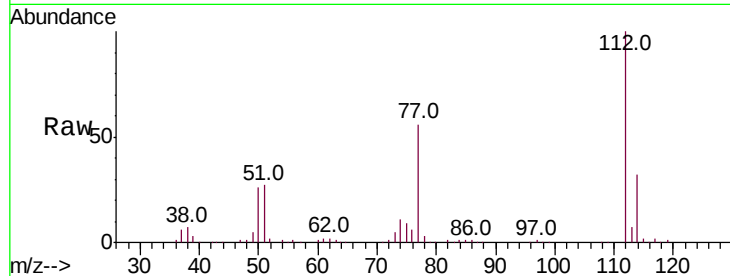
#65
Chlorobenzene
Concen: 43.731 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 919483
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5

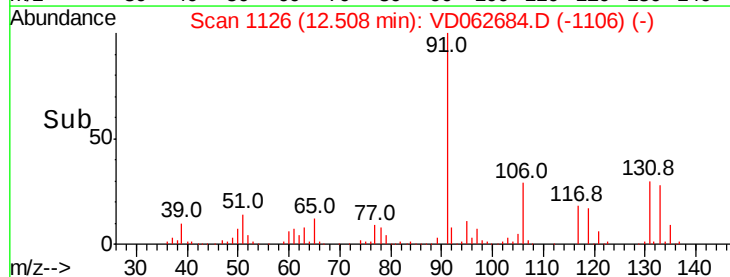
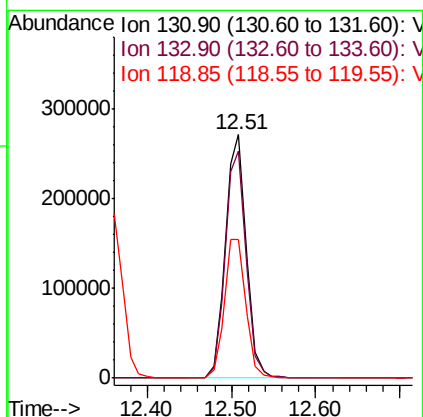
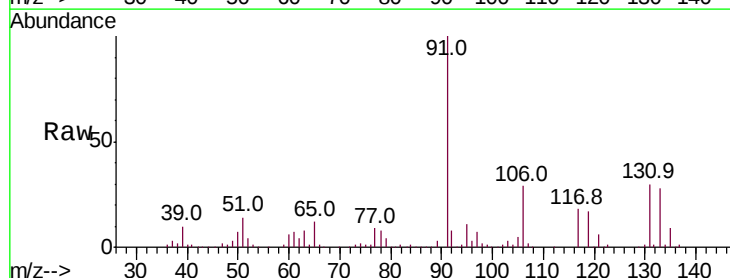
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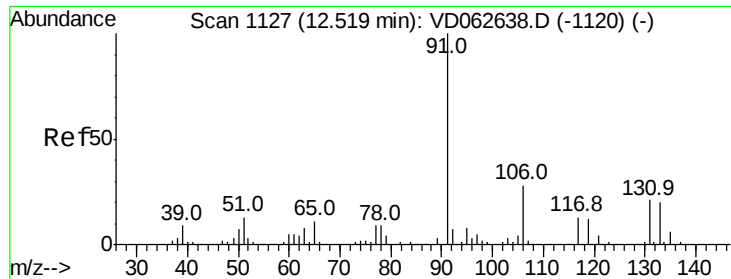
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.320 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:131 Resp: 464488
Ion Ratio Lower Upper
131 100
133 93.4 46.8 140.3
119 56.8 29.9 89.8





#67

Ethyl Benzene

Concen: 45.874 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 1710121

Ion Ratio Lower Upper

91 100

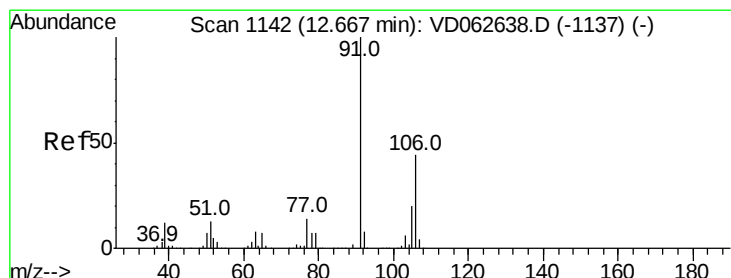
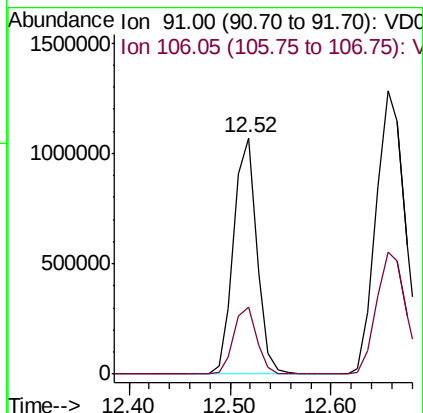
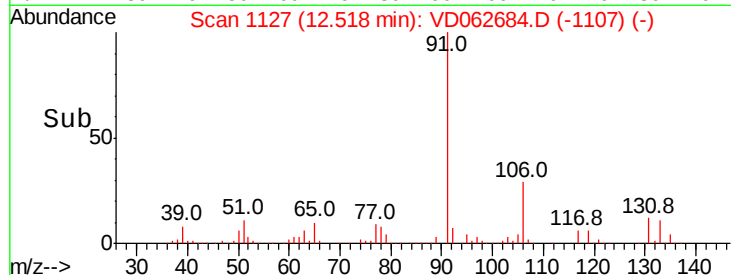
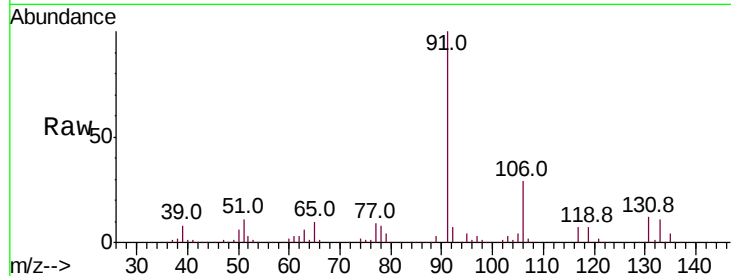
106 28.5 22.1 33.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 84.799 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD062684.D

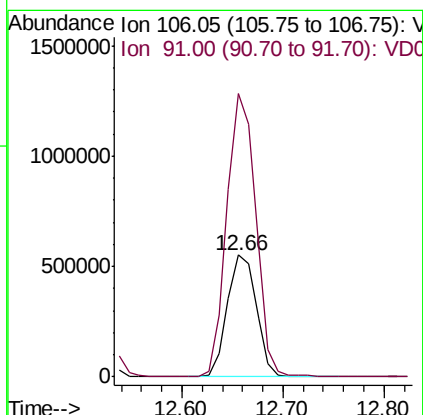
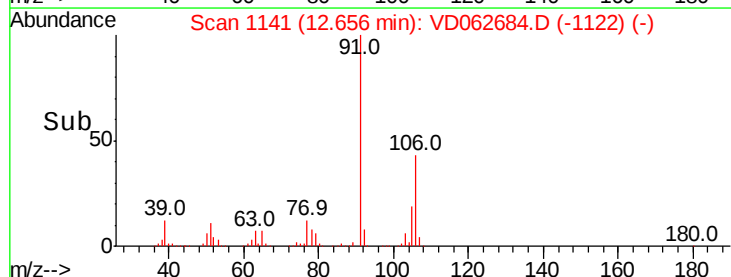
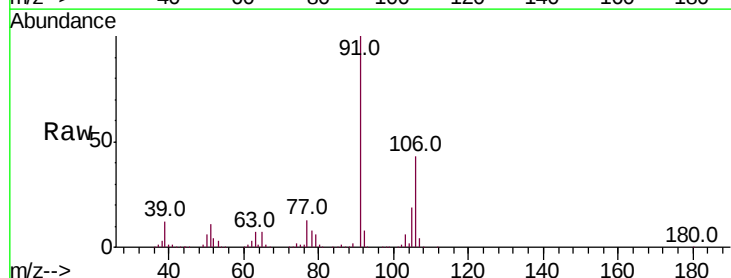
Acq: 12 Jun 2019 19:46

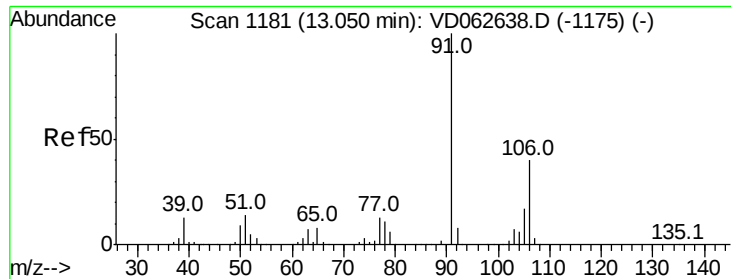
Tgt Ion: 106 Resp: 1111337

Ion Ratio Lower Upper

106 100

91 232.0 180.2 270.4





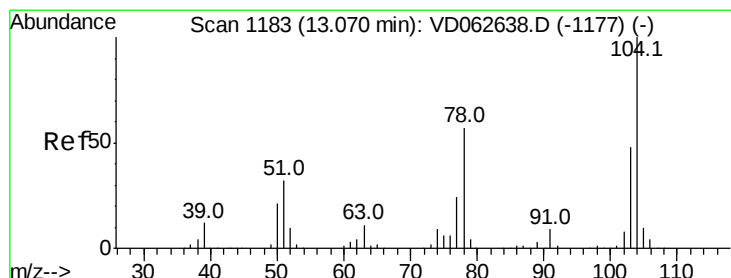
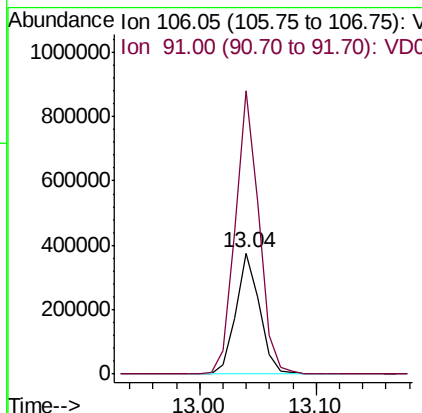
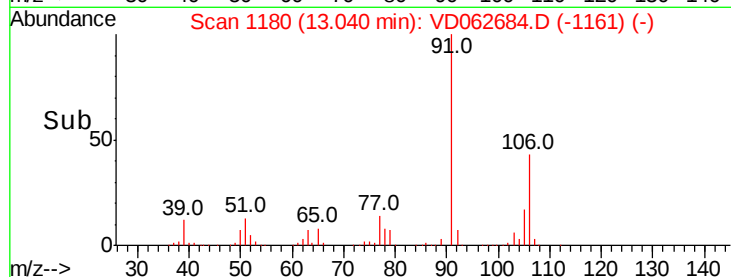
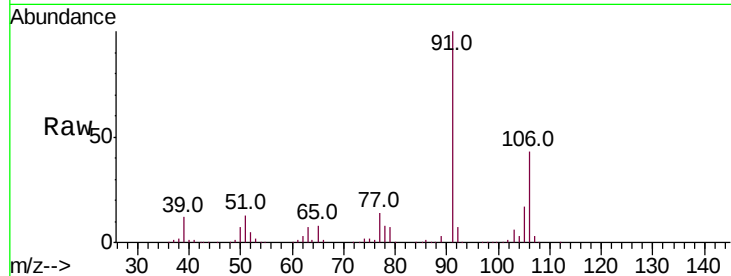
#69
o-Xylene
Concen: 44.305 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 533267
Ion Ratio Lower Upper
106 100
91 233.6 124.1 372.1

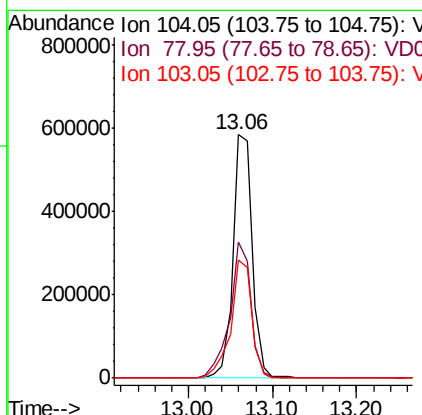
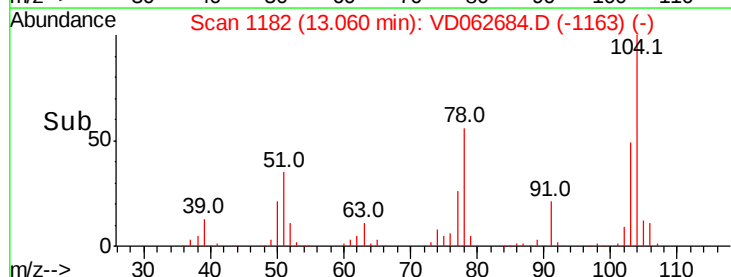
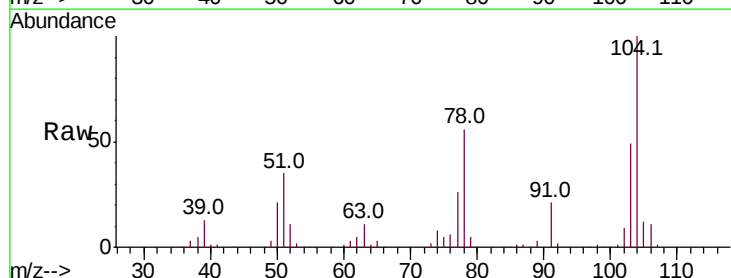
Manual Integrations
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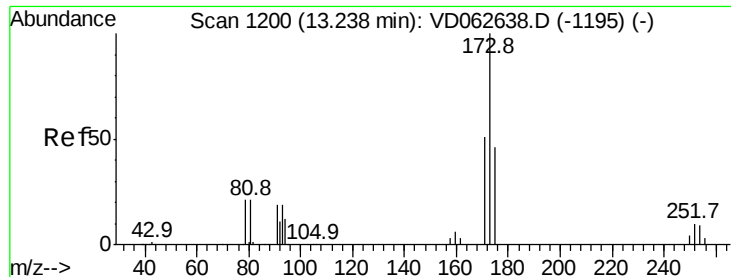
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#70
Styrene
Concen: 43.173 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion:104 Resp: 927187
Ion Ratio Lower Upper
104 100
78 56.0 45.9 68.9
103 48.7 38.4 57.6





#71

Bromoform

Concen: 41.184 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 312748

Ion Ratio Lower Upper

173 100

175 47.7 22.9 68.7

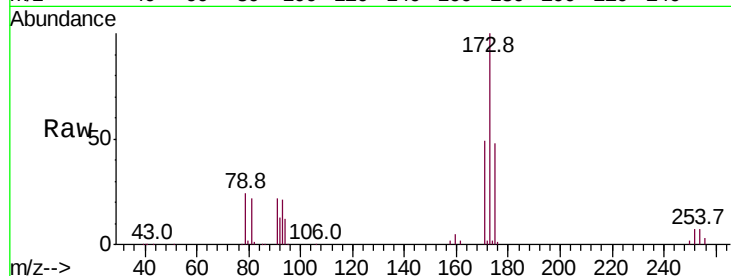
254 7.1 7.0 10.4

Manual Integrations

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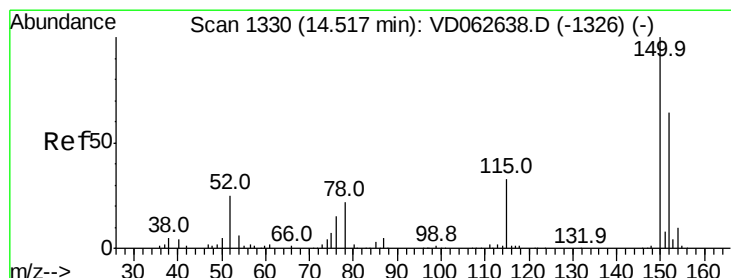
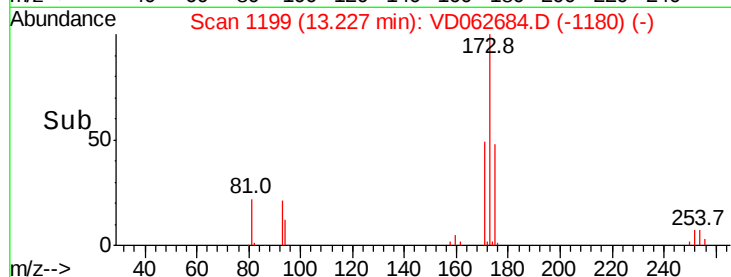
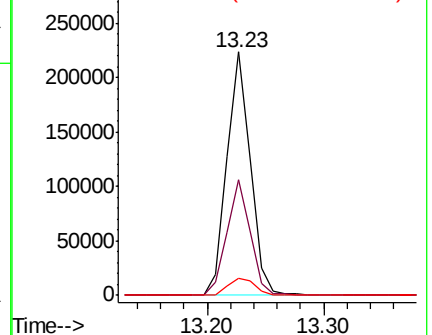
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

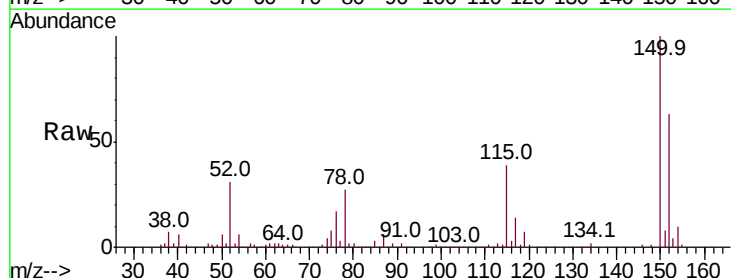
Tgt Ion:152 Resp: 501274

Ion Ratio Lower Upper

152 100

115 62.7 30.1 90.5

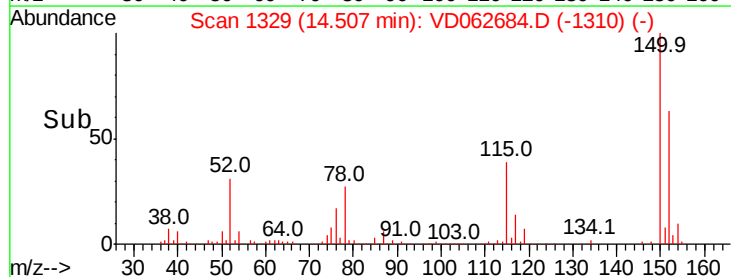
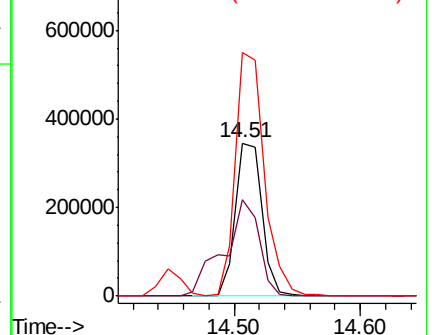
150 159.3 0.0 314.0

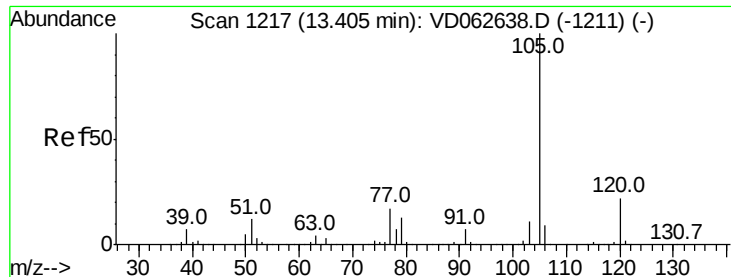


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.921 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1587155

Ion Ratio Lower Upper

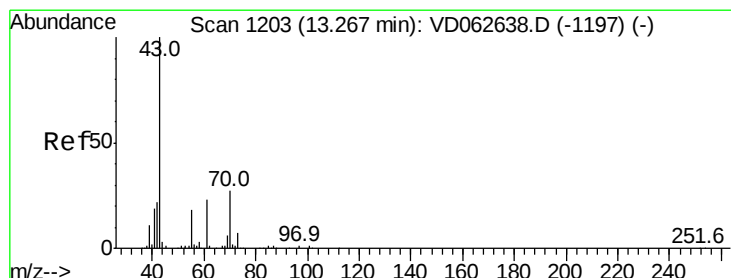
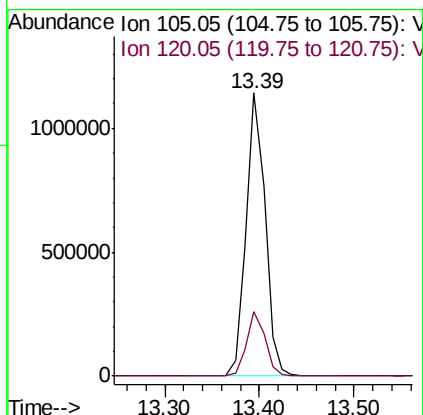
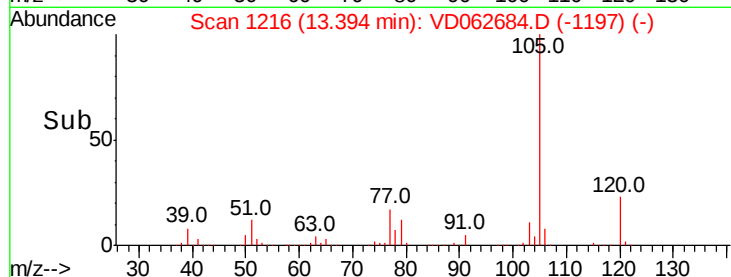
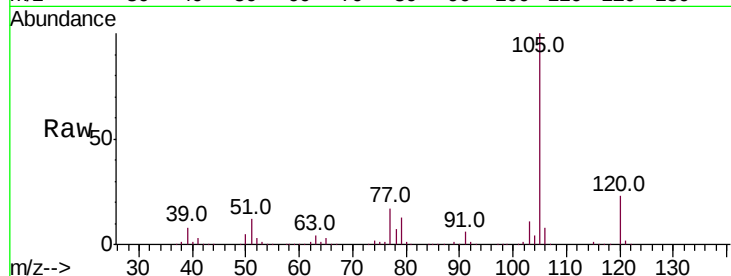
105 100

120 22.6 10.9 32.7

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#74

N-ethyl acetate

Concen: 46.166 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion: 43 Resp: 440827

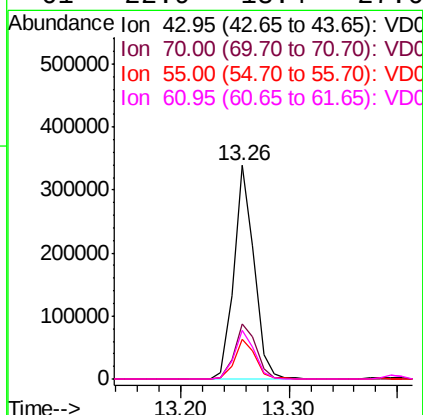
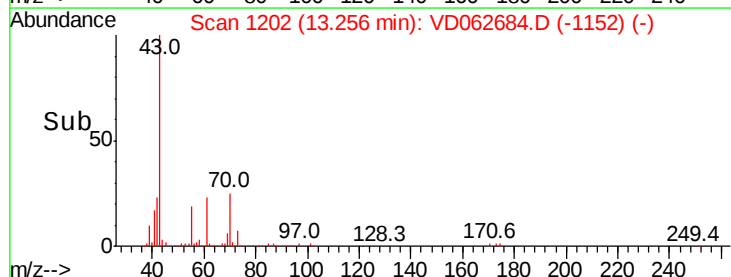
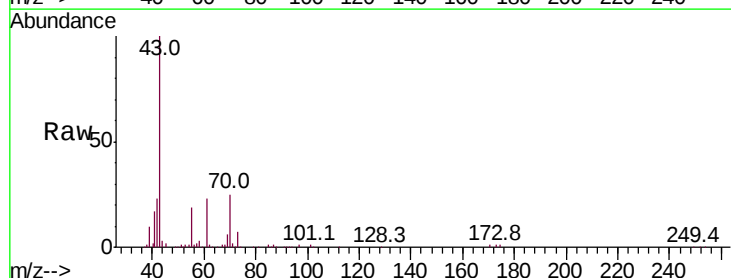
Ion Ratio Lower Upper

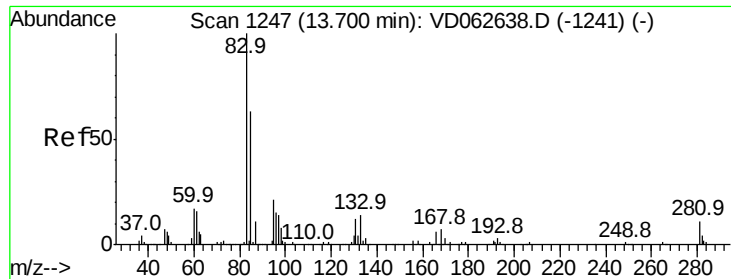
43 100

70 25.5 21.8 32.8

55 18.8 14.6 21.8

61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.546 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 293492

Ion Ratio Lower Upper

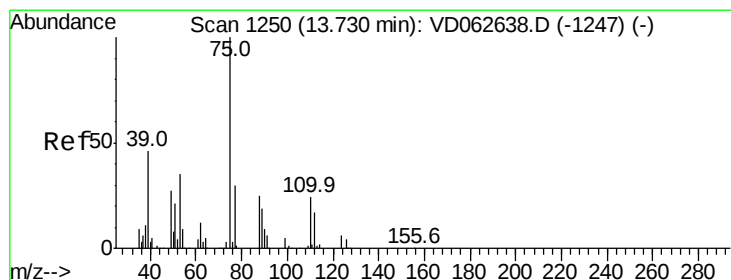
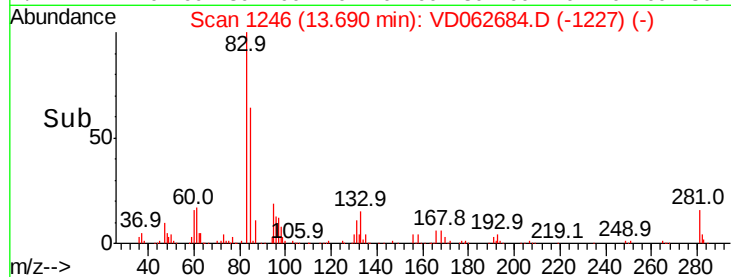
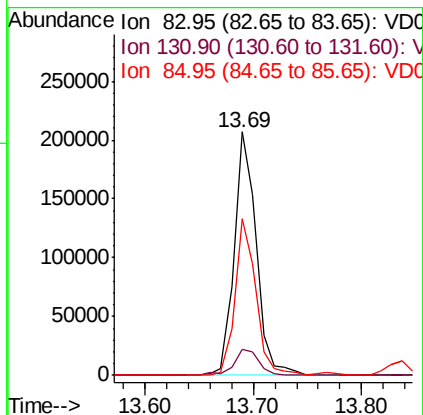
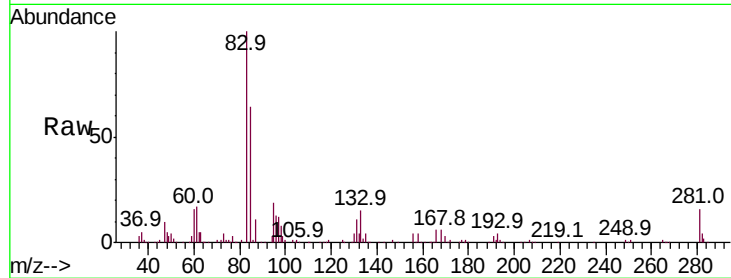
83 100

131 10.7 5.9 17.7

85 64.4 31.3 93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.943 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062684.D

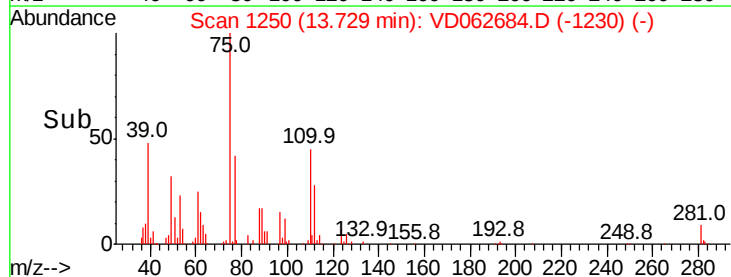
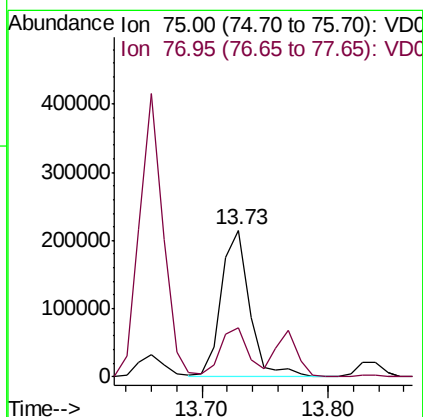
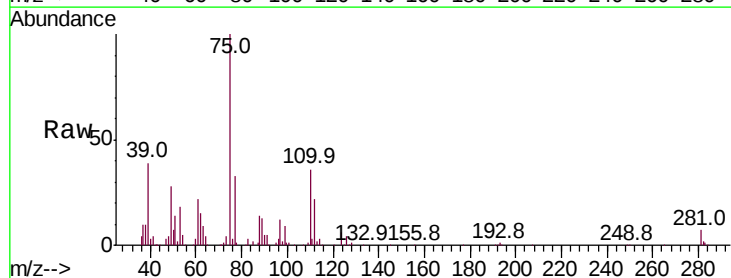
Acq: 12 Jun 2019 19:46

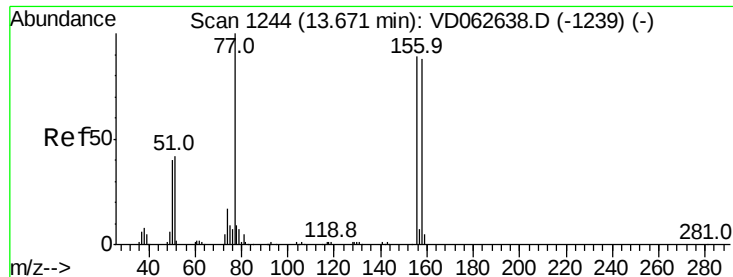
Tgt Ion: 75 Resp: 332653

Ion Ratio Lower Upper

75 100

77 33.3 16.2 48.6





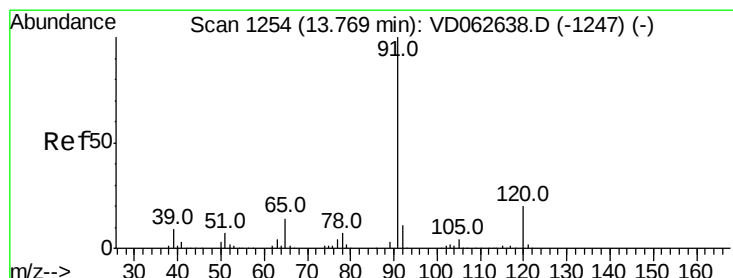
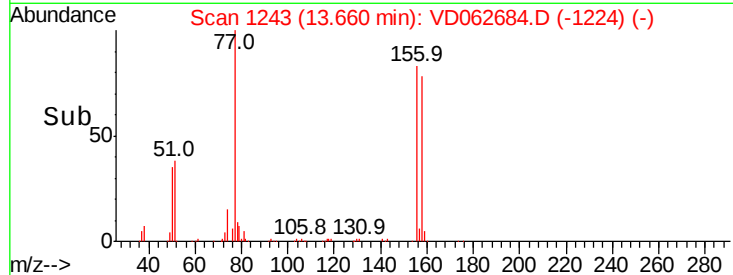
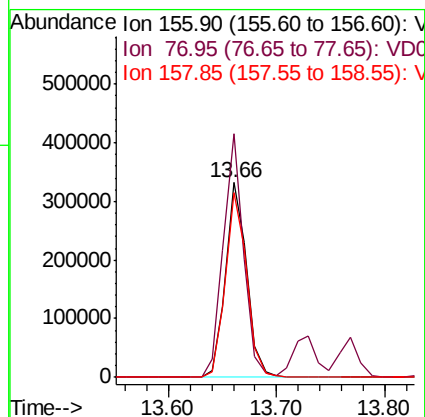
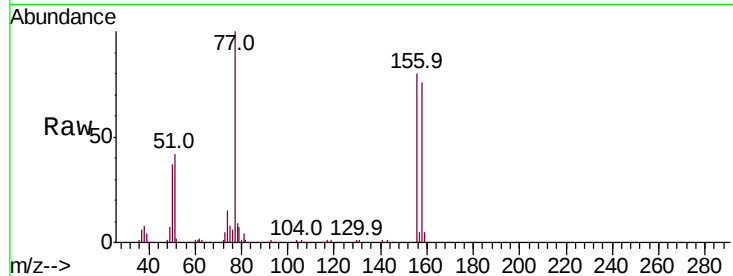
#77
Bromobenzene
Concen: 44.585 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.1	56.3	168.8
158	94.8	49.6	148.8

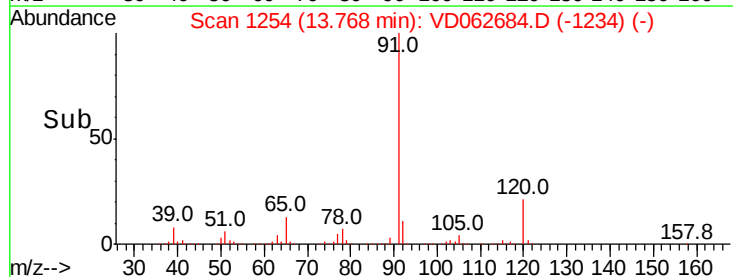
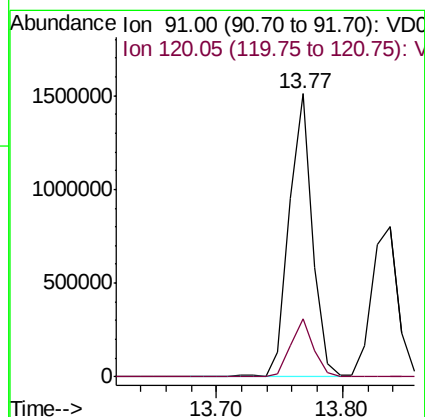
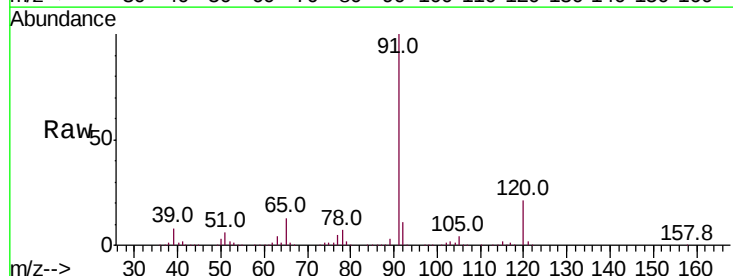
Manual Integrations
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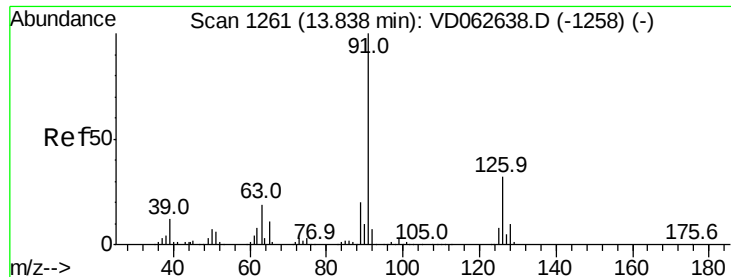
MMDadoda
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#78
n-propylbenzene
Concen: 44.825 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	9.8	29.5





#79

2-Chlorotoluene

Concen: 45.503 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1152270

Ion Ratio Lower Upper

91 100

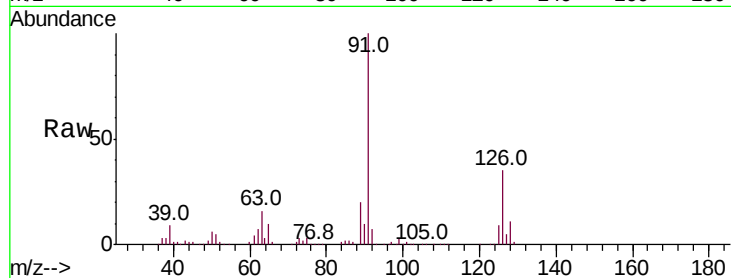
126 35.0 15.8 47.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)

1500000

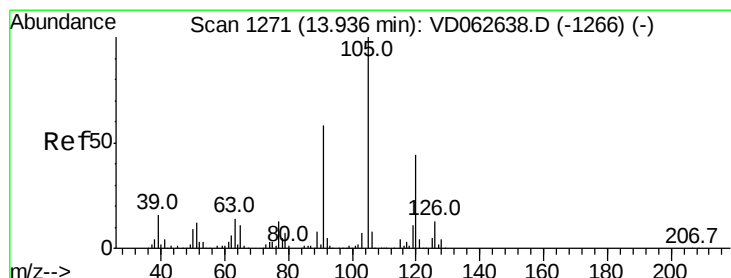
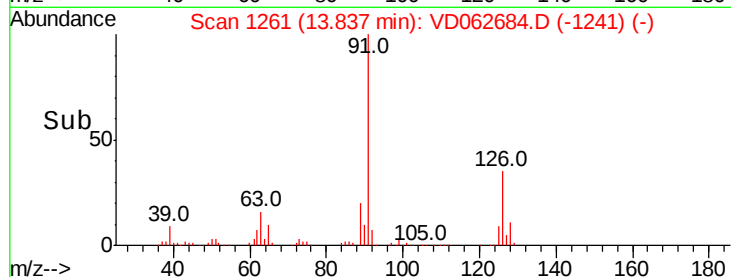
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.338 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062684.D

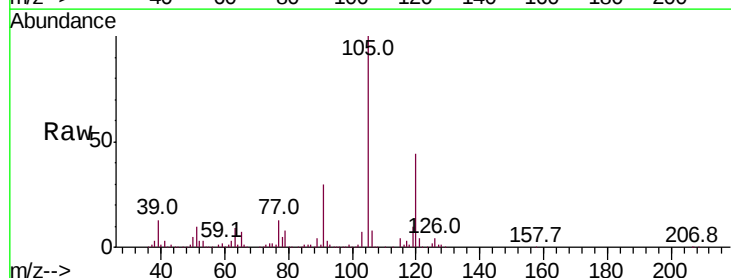
Acq: 12 Jun 2019 19:46

Tgt Ion:105 Resp: 1384510

Ion Ratio Lower Upper

105 100

120 43.7 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)

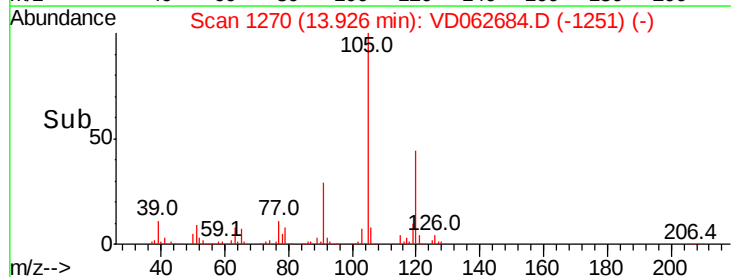
1000000

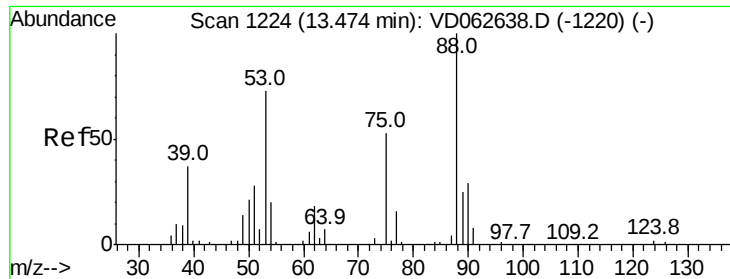
500000

0

13.90 14.00

Time-->





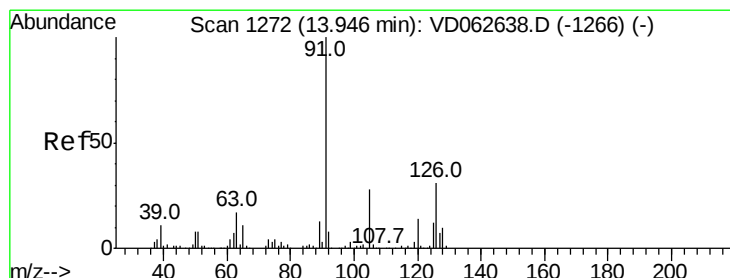
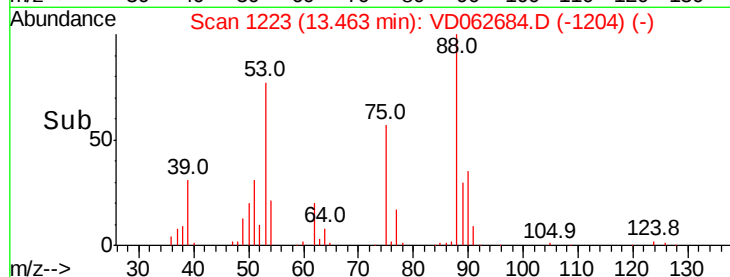
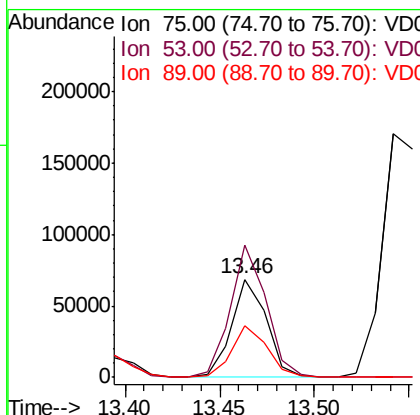
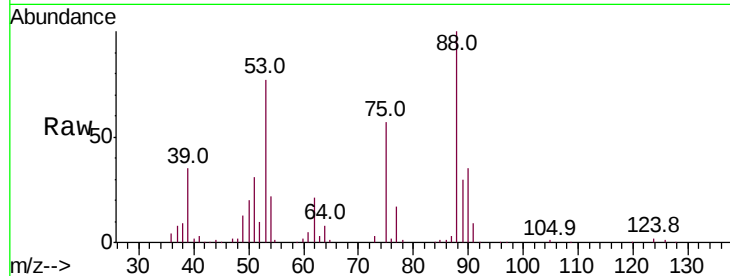
#81
trans-1,4-Dichloro-2-butene
Concen: 44.134 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	134.3	109.4	164.2
89	52.1	37.0	55.6

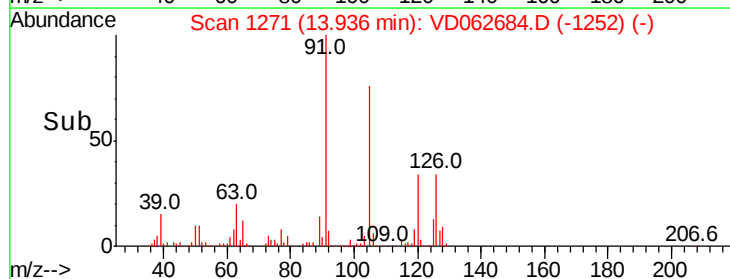
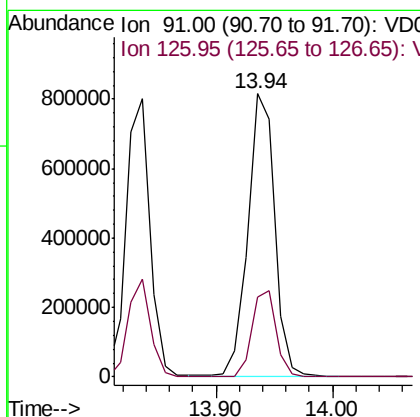
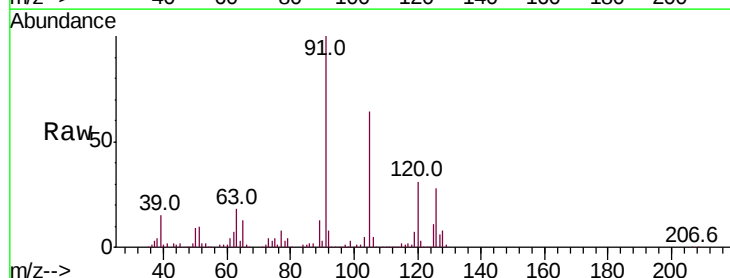
Manual Integrations
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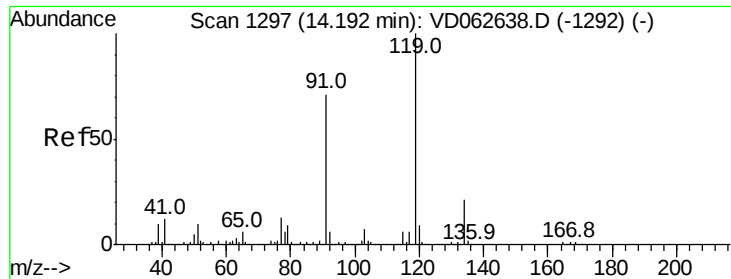
MMDadoda
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#82
4-Chlorotoluene
Concen: 42.505 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	15.6	46.8





#83

tert-Butylbenzene

Concen: 43.857 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1510471

Ion Ratio Lower Upper

119 100

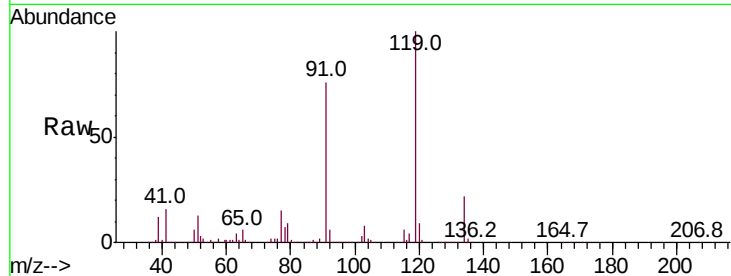
91 76.3 35.4 106.1

134 21.9 10.8 32.3

Manual Integrations
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MMDadoda

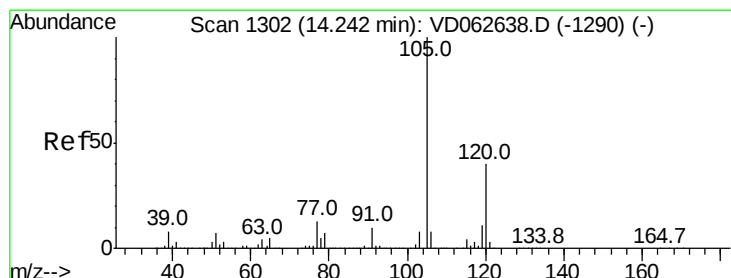
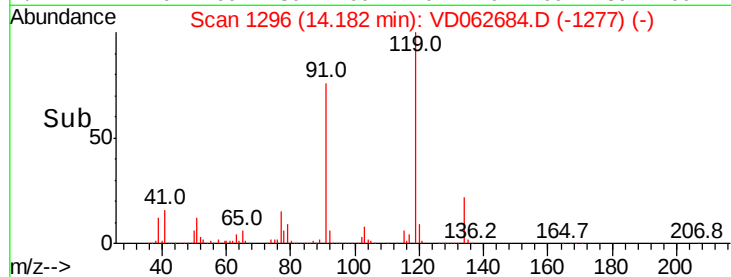
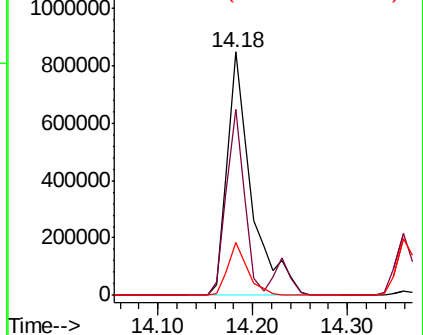
6/13/2019 3:12:11 PM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.899 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062684.D

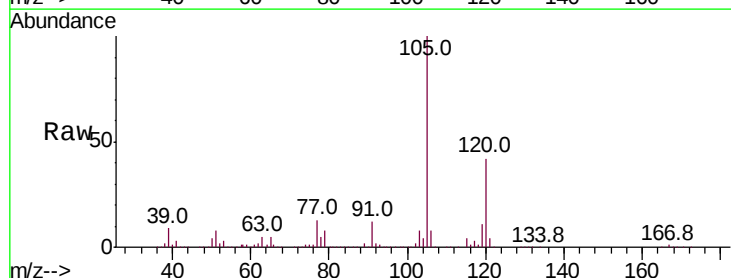
Acq: 12 Jun 2019 19:46

Tgt Ion:105 Resp: 1388151

Ion Ratio Lower Upper

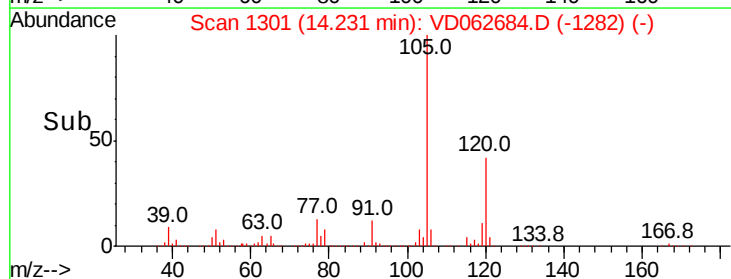
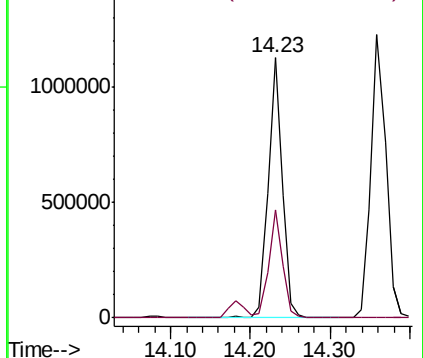
105 100

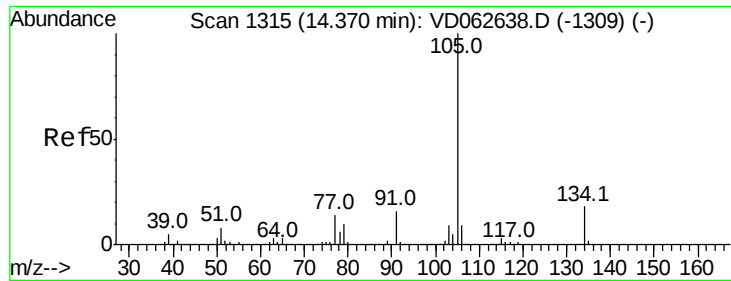
120 41.7 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





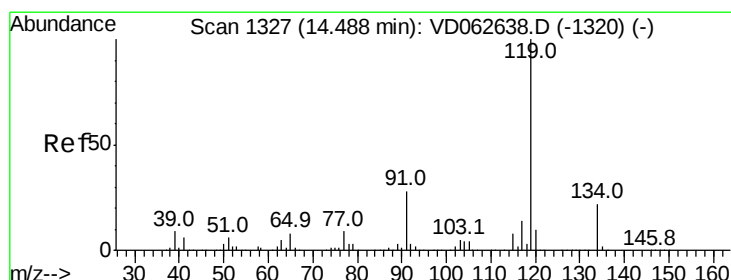
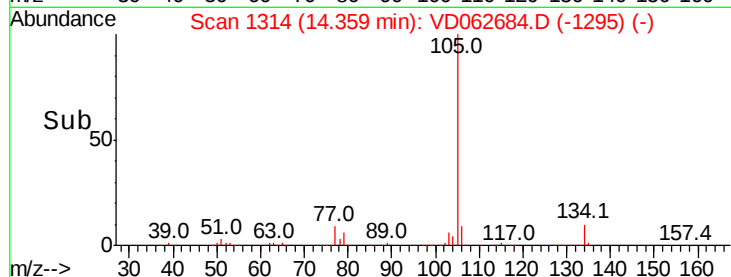
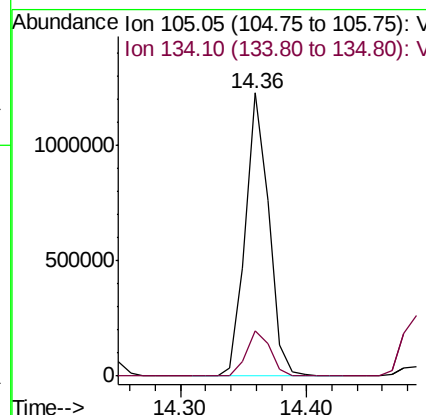
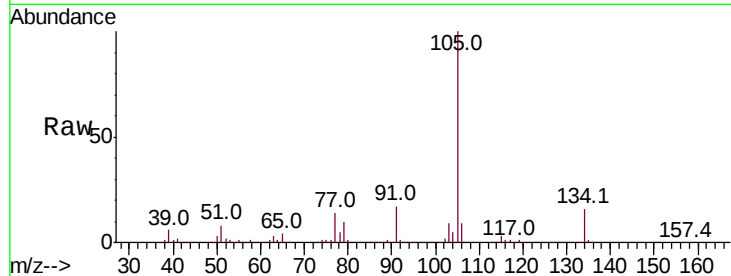
#85
 sec-Butylbenzene
 Concen: 43.217 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1560775
 Ion Ratio Lower Upper
 105 100
 134 16.0 8.8 26.2

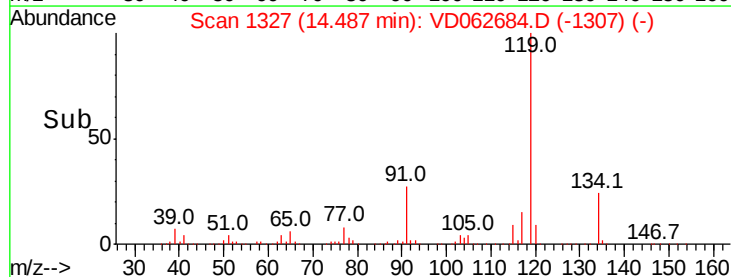
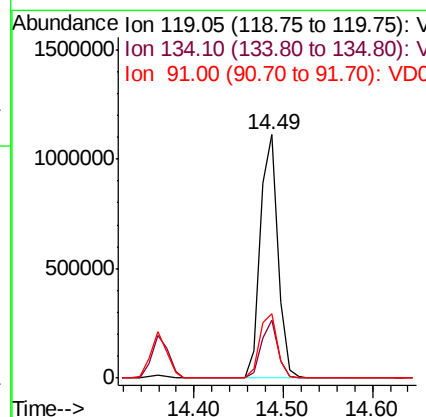
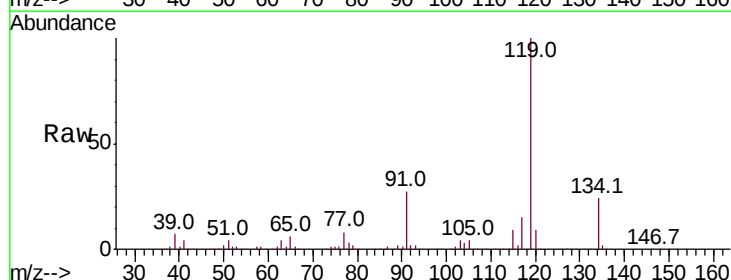
Manual Integrations
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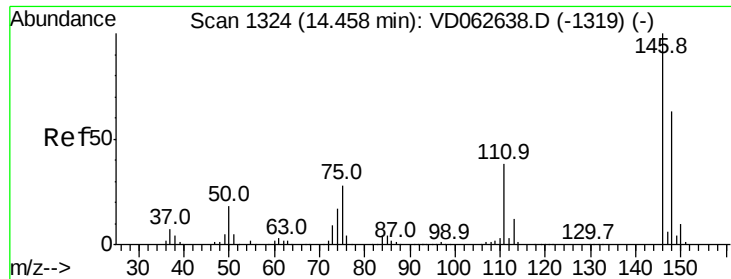
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#86
 p-Isopropyltoluene
 Concen: 42.440 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion:119 Resp: 1492311
 Ion Ratio Lower Upper
 119 100
 134 23.6 10.9 32.6
 91 26.6 13.9 41.6





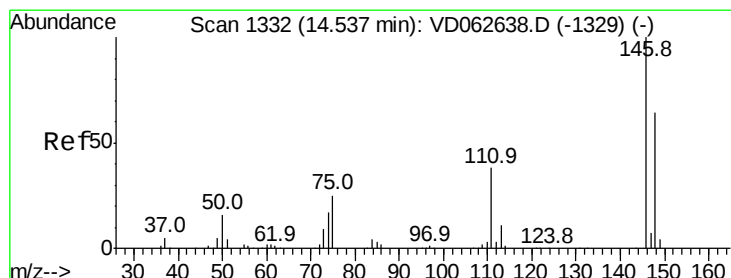
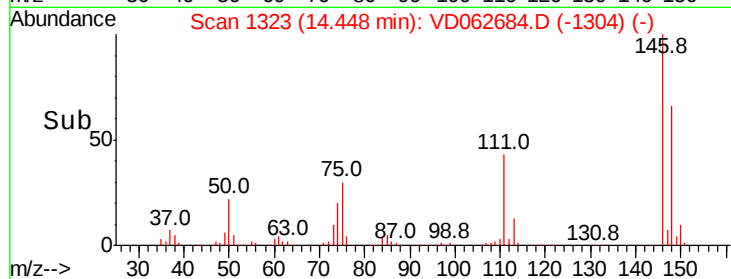
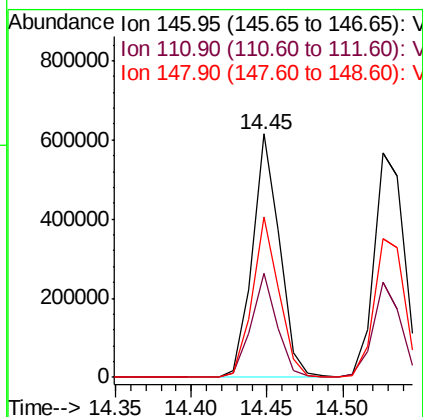
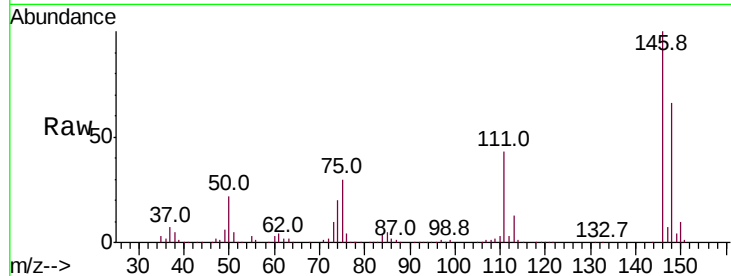
#87
 1,3-Dichlorobenzene
 Concen: 42.236 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.2	57.6
148	65.9	31.6	95.0

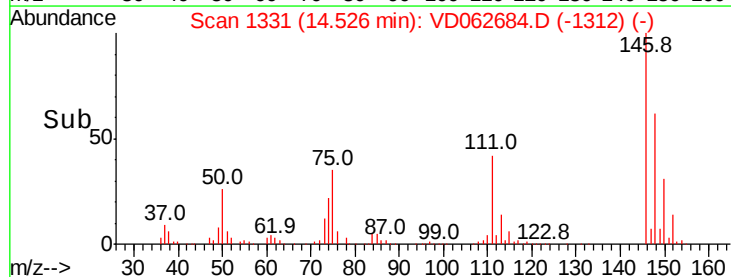
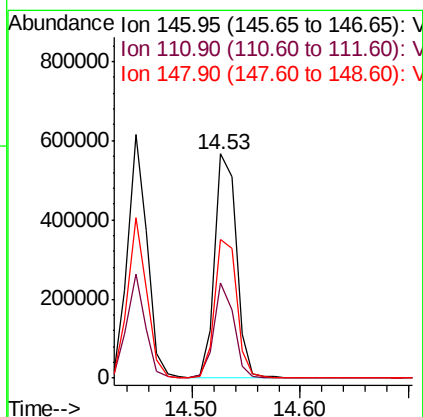
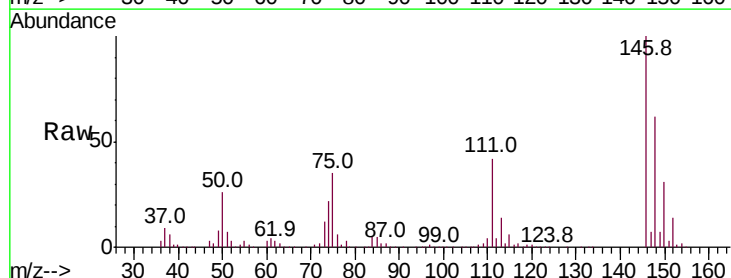
Manual Integrations
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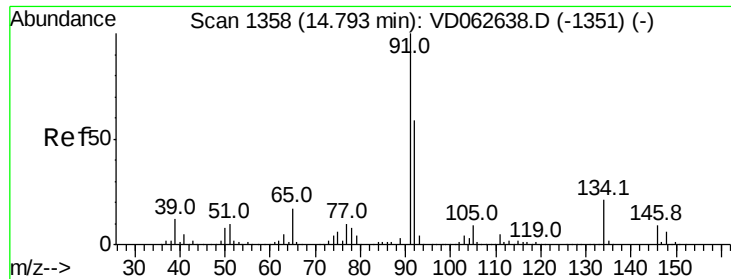
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 45.896 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.9	56.7
148	62.0	32.3	96.8





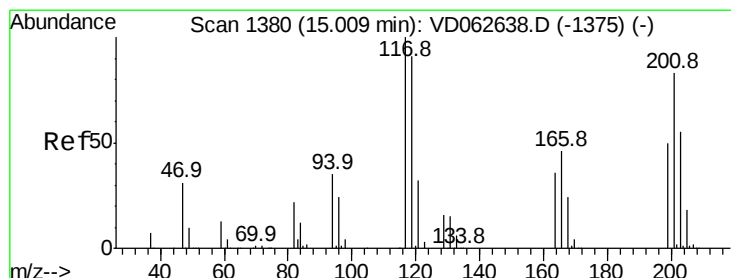
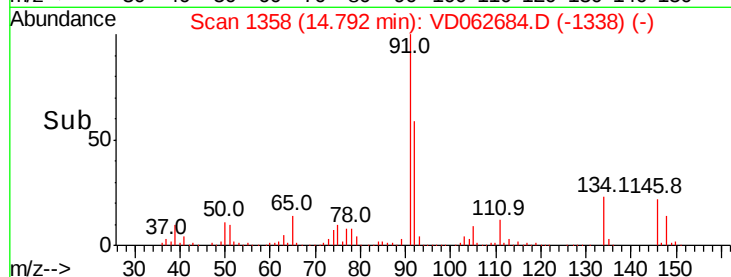
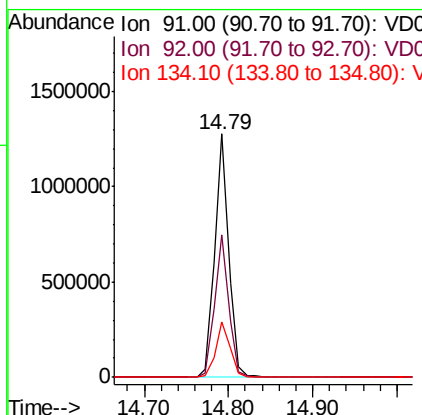
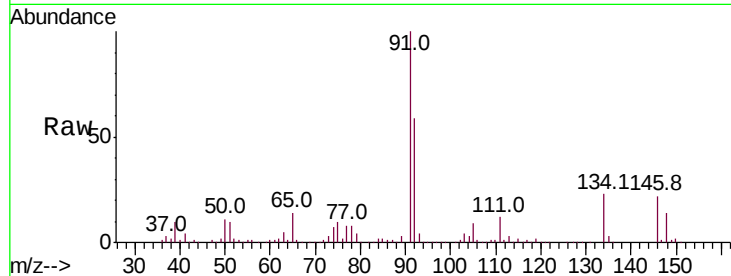
#89
n-Butylbenzene
Concen: 46.708 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1477515
Ion Ratio Lower Upper
91 100
92 58.6 29.4 88.3
134 23.0 10.4 31.2

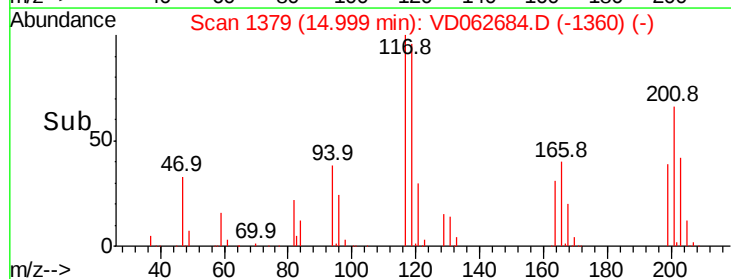
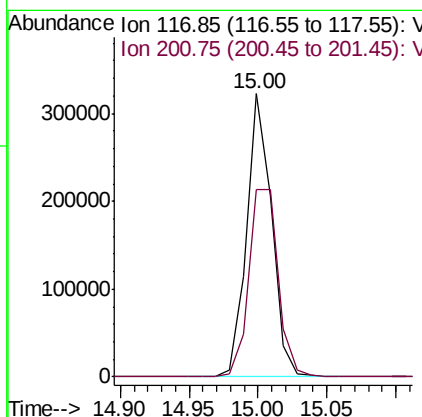
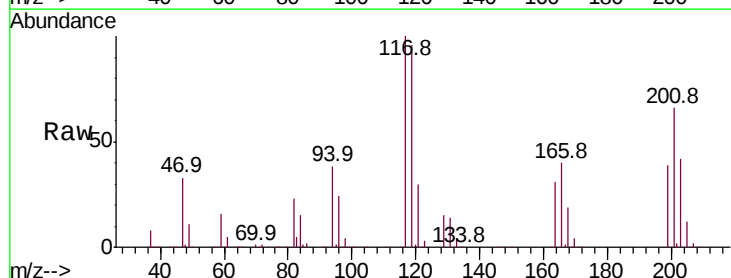
Manual Integrations
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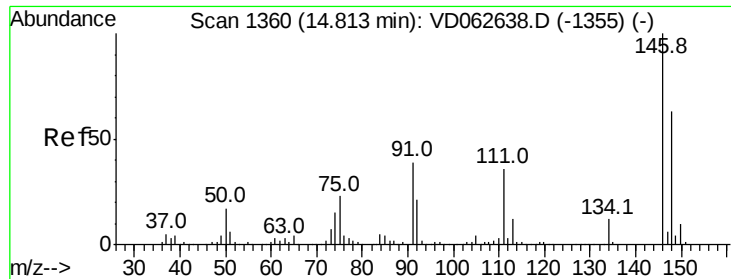
MMDadoda
6/13/2019 3:12:11 PM



#90
Hexachloroethane
Concen: 44.117 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062684.D
Acq: 12 Jun 2019 19:46

Tgt Ion: 117 Resp: 409528
Ion Ratio Lower Upper
117 100
201 66.2 41.5 124.6





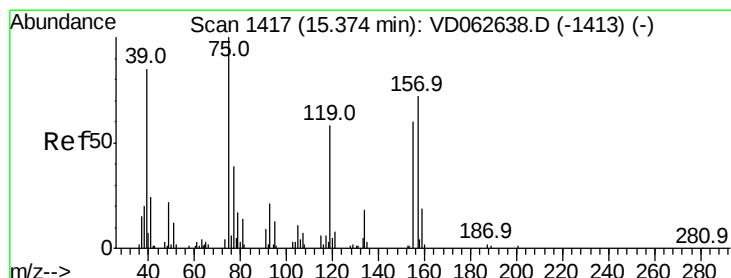
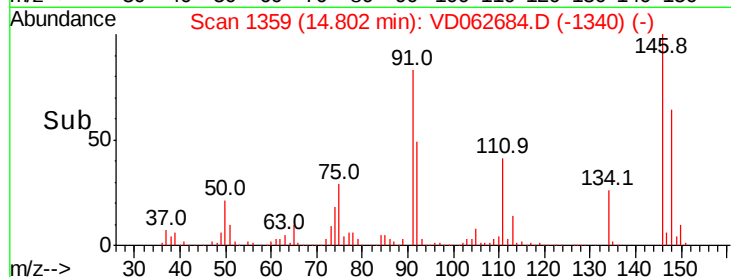
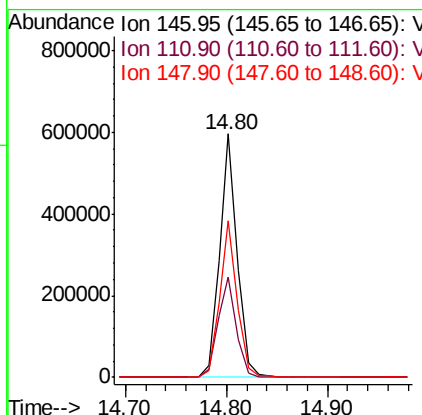
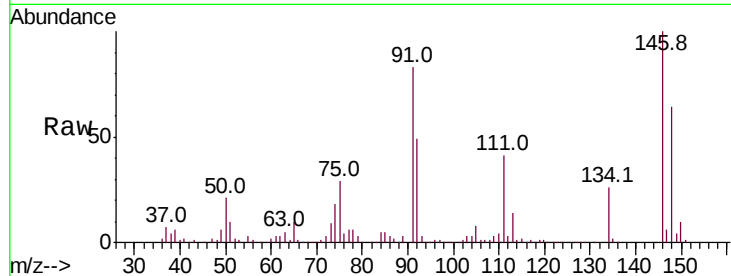
#91
 1,2-Dichlorobenzene
 Concen: 47.602 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	723906
Ion Ratio	Lower	Upper	
146	100		
111	41.2	18.1	54.3
148	64.1	31.4	94.0

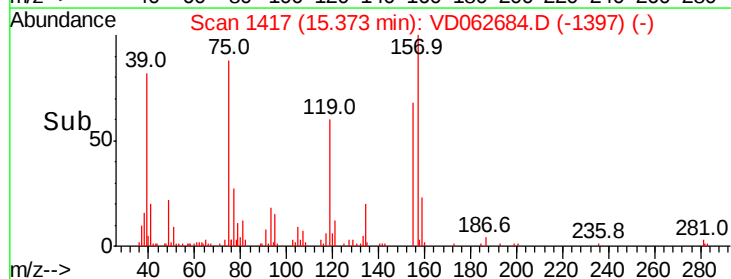
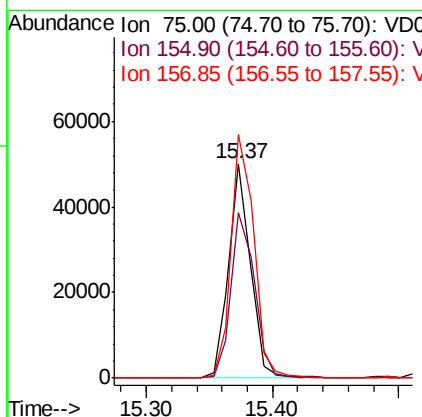
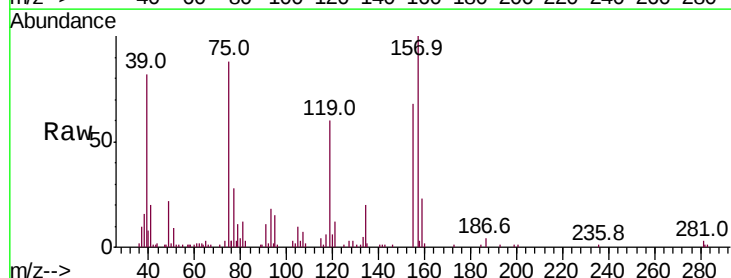
Manual Integrations
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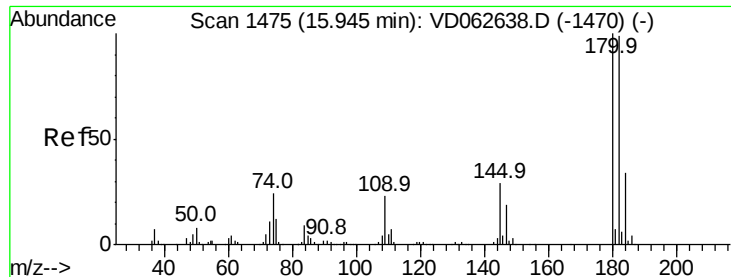
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.329 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion:	75	Resp:	59828
Ion Ratio	Lower	Upper	
75	100		
155	77.4	30.1	90.5
157	113.6	35.9	107.8#





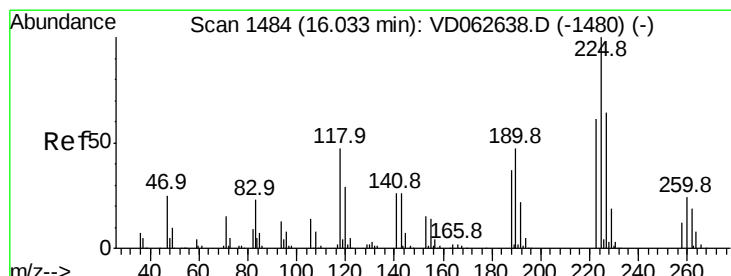
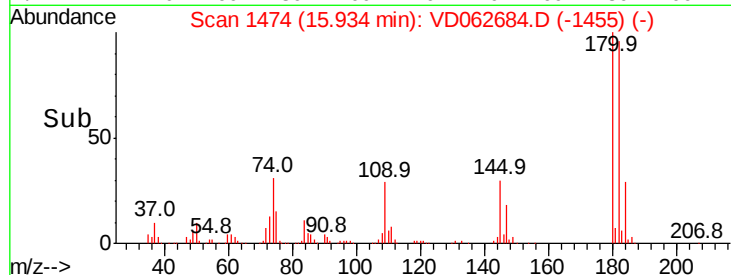
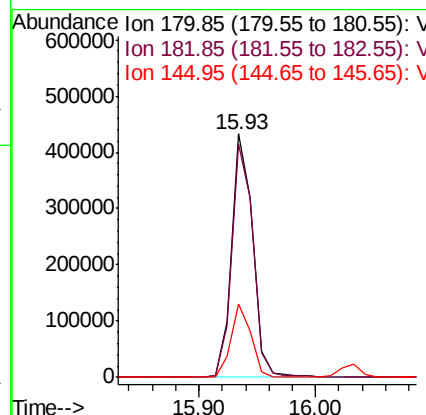
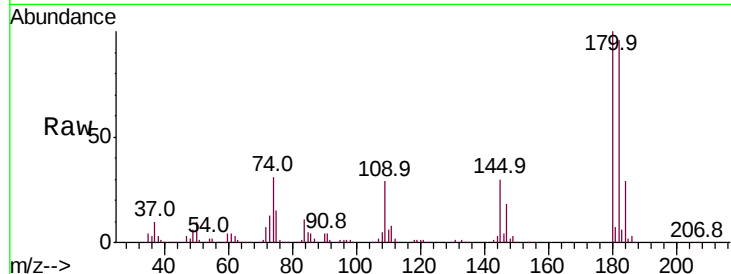
#93
 1,2,4-Trichlorobenzene
 Concen: 42.769 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	544575		
182	95.7	49.4	148.2	
145	30.3	14.5	43.6	

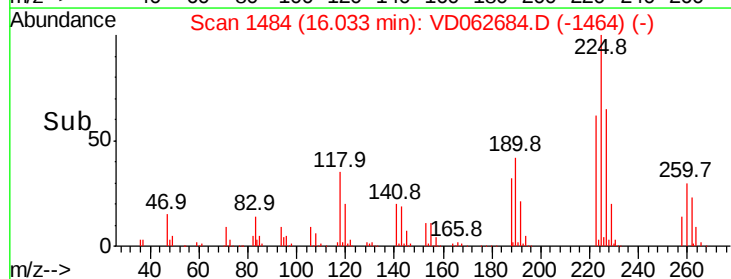
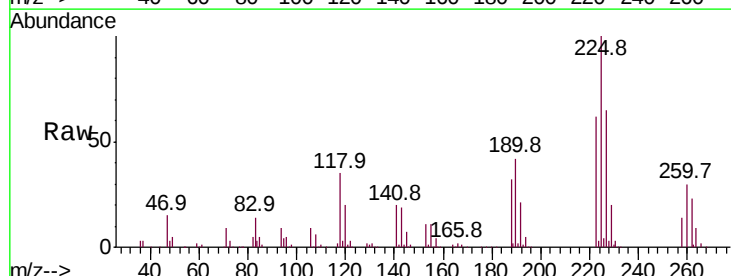
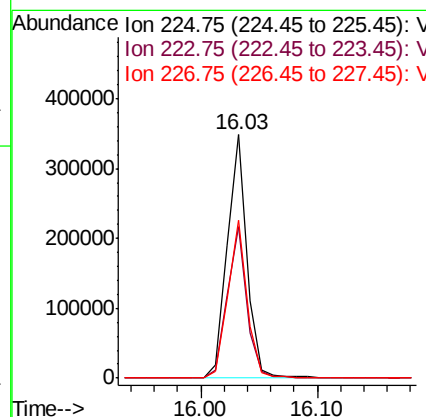
Manual Integrations
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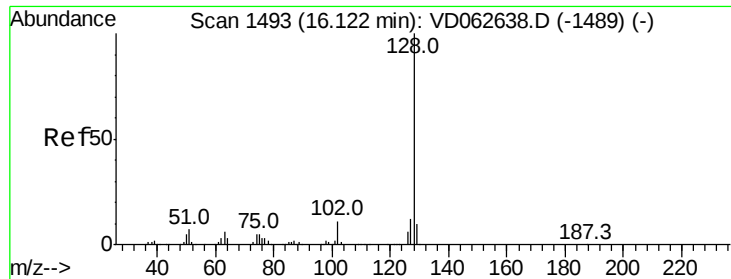
MMDadoda
 6/13/2019 3:12:11 PM



#94
 Hexachlorobutadiene
 Concen: 45.447 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062684.D
 Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	408057		
223	62.4	30.3	91.0	
227	65.1	31.8	95.4	





#95

Naphthalene

Concen: 42.017 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Instrument :

MSVOA_D

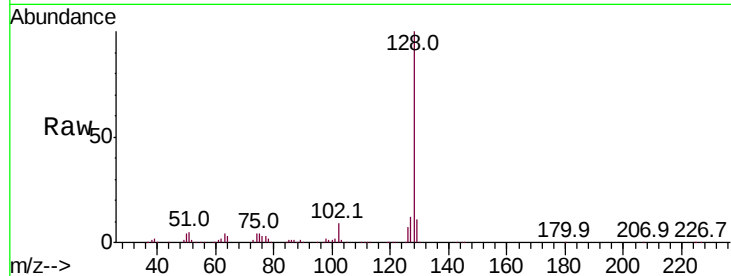
ClientSampleId :

VSTDCCC050EC

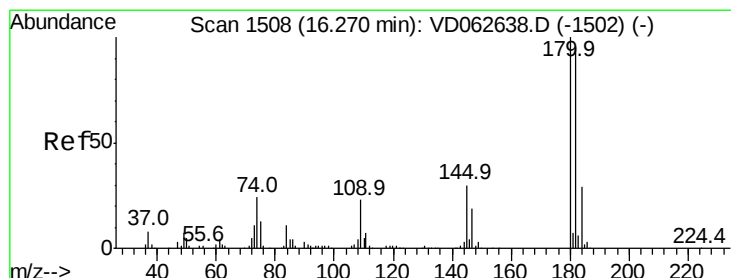
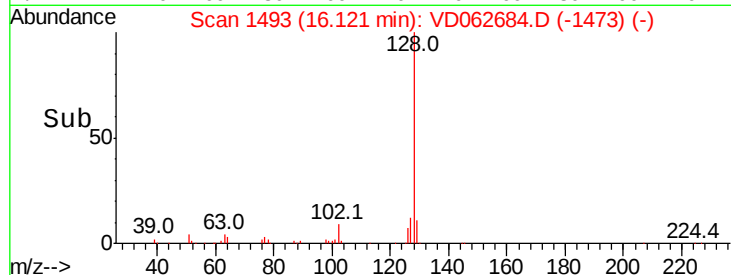
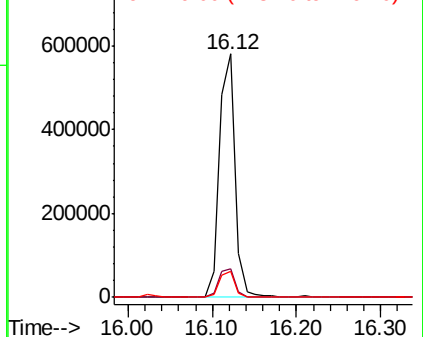
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.7	14.5
129	10.5	8.1	12.1

Manual Integrations
APPROVED

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6/13/2019 3:12:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.763 ug/l

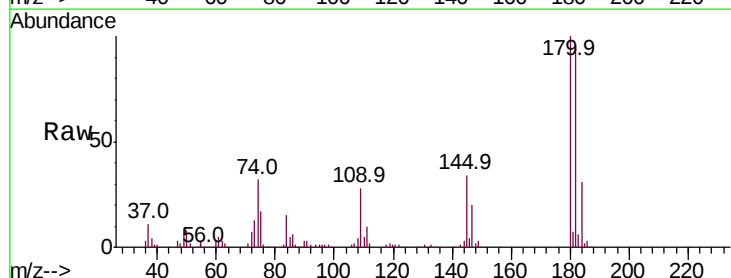
RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062684.D

Acq: 12 Jun 2019 19:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.7	143.1
145	33.7	15.0	45.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

