

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062740.D
 Acq On : 17 Jun 2019 21:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:34:26 AM

Quant Time: Jun 18 07:11:40 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	7.05	168	587569	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	836759	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	711789	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	422774	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	412180	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	6.93	113	425300	48.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.41	98	903251	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	13.56	95	414357	47.84	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	303420	44.115	ug/l	97
3) Chloromethane	1.74	50	276826	47.616	ug/l	98
4) Vinyl Chloride	1.84	62	279702	46.656	ug/l	99
5) Bromomethane	2.14	94	161000	53.203	ug/l	93
6) Chloroethane	2.26	64	152131	51.399	ug/l	93
7) Trichlorofluoromethane	2.53	101	686360	51.150	ug/l	98
8) Diethyl Ether	2.86	74	79524	43.574	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	374873	51.802	ug/l	95
10) Methyl Iodide	3.30	142	439238	42.469	ug/l	94
11) Tert butyl alcohol	4.06	59	90821	260.597	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	264082	50.850	ug/l	94
13) Acrolein	3.02	56	16587	147.958	ug/l	90
14) Allyl chloride	3.61	41	409617	51.297	ug/l	92
15) Acrylonitrile	4.19	53	203739	257.258	ug/l	97
16) Acetone	3.22	43	398563	256.713	ug/l	100
17) Carbon Disulfide	3.37	76	752586	49.176	ug/l	98
18) Methyl Acetate	3.63	43	125677	49.256	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	655900	51.784	ug/l	95
20) Methylene Chloride	3.80	84	266929	45.464	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	293348	51.495	ug/l	91
22) Diisopropyl ether	5.12	45	847001	51.084	ug/l	93
23) Vinyl Acetate	5.05	43	2767163	269.017	ug/l	100
24) 1,1-Dichloroethane	4.97	63	552459	51.794	ug/l	99
25) 2-Butanone	6.06	43	393099	259.530	ug/l	96
26) 2,2-Dichloropropane	6.02	77	611525	49.745	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	324743	52.585	ug/l	95
28) Bromochloromethane	6.44	49	203298	49.860	ug/l	96
29) Tetrahydrofuran	6.46	42	177092	259.629	ug/l	99
30) Chloroform	6.66	83	691243	50.510	ug/l	94
31) Cyclohexane	6.95	56	366473	54.771	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	741369	54.442	ug/l	99
36) 1,1-Dichloropropene	7.15	75	460975	48.135	ug/l	99
37) Ethyl Acetate	6.18	43	199427	48.867	ug/l	97
38) Carbon Tetrachloride	7.11	117	747930m	49.411	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	390496	50.459	ug/l	96
40) Benzene	7.46	78	929845	49.718	ug/l	97
41) Methacrylonitrile	6.45	41	245491	48.969	ug/l	92
42) 1,2-Dichloroethane	7.58	62	549236	49.271	ug/l	99
43) Isopropyl Acetate	9.25	43	250794	49.632	ug/l #	99
44) Trichloroethene	8.54	130	373858	49.239	ug/l	93
45) 1,2-Dichloropropane	8.95	63	225725	50.247	ug/l	95
46) Dibromomethane	9.07	93	208008	52.164	ug/l	97
47) Bromodichloromethane	9.38	83	569857	52.535	ug/l	95
48) Methyl methacrylate	9.12	41	182860	50.091	ug/l #	89
49) 1,4-Dioxane	9.09	88	30523	938.084	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	906277	256.319	ug/l	99
52) Toluene	10.52	92	600479	47.765	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	475839	53.504	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	468346	50.952	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	208942	48.464	ug/l	98
56) Ethyl methacrylate	11.05	69	233519	45.352	ug/l	96
57) 1,3-Dichloropropane	11.42	76	343989	51.479	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	522782	226.876	ug/l	99
59) 2-Hexanone	11.55	43	649998	247.139	ug/l	99
60) Dibromochloromethane	11.69	129	425232	49.965	ug/l	98
61) 1,2-Dibromoethane	11.82	107	268705	52.076	ug/l	92
64) Tetrachloroethene	11.27	164	363991	54.628	ug/l	97
65) Chlorobenzene	12.41	112	811489	51.541	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	383666	51.094	ug/l	98
67) Ethyl Benzene	12.54	91	1429876	51.222	ug/l	99
68) m/p-Xylenes	12.68	106	954177	97.229	ug/l	97
69) o-Xylene	13.06	106	444809	49.352	ug/l	94
70) Styrene	13.08	104	774786	48.178	ug/l	98
71) Bromoform	13.25	173	275604	47.966	ug/l	95
73) Isopropylbenzene	13.42	105	1532935	51.442	ug/l	98
74) N-amyl acetate	13.28	43	376168	46.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	241521	47.368	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	271446	47.353	ug/l	99
77) Bromobenzene	13.68	156	423505	49.724	ug/l	94
78) n-propylbenzene	13.79	91	1703314	46.697	ug/l	97
79) 2-Chlorotoluene	13.85	91	968665	45.355	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	1290989	49.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	70690	42.238	ug/l	94
82) 4-Chlorotoluene	13.96	91	1230028	48.159	ug/l	96
83) tert-Butylbenzene	14.20	119	1472020	50.676	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	1272956	48.817	ug/l	100
85) sec-Butylbenzene	14.38	105	1429205	46.922	ug/l	98
86) p-Isopropyltoluene	14.51	119	1344164	45.325	ug/l	96
87) 1,3-Dichlorobenzene	14.47	146	746623	48.389	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	756227	51.861	ug/l	97
89) n-Butylbenzene	14.81	91	1321323	49.526	ug/l	97
90) Hexachloroethane	15.02	117	380808	48.640	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	640452	49.934	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.40	75	46943	43.101	ug/l #	51

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ClientSampleId :
VSTDCCC050EC

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	458018	42.660	ug/l	94
94) Hexachlorobutadiene	16.05	225	377062	49.793	ug/l	99
95) Naphthalene	16.13	128	666849	43.921	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	370796	50.192	ug/l	98

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

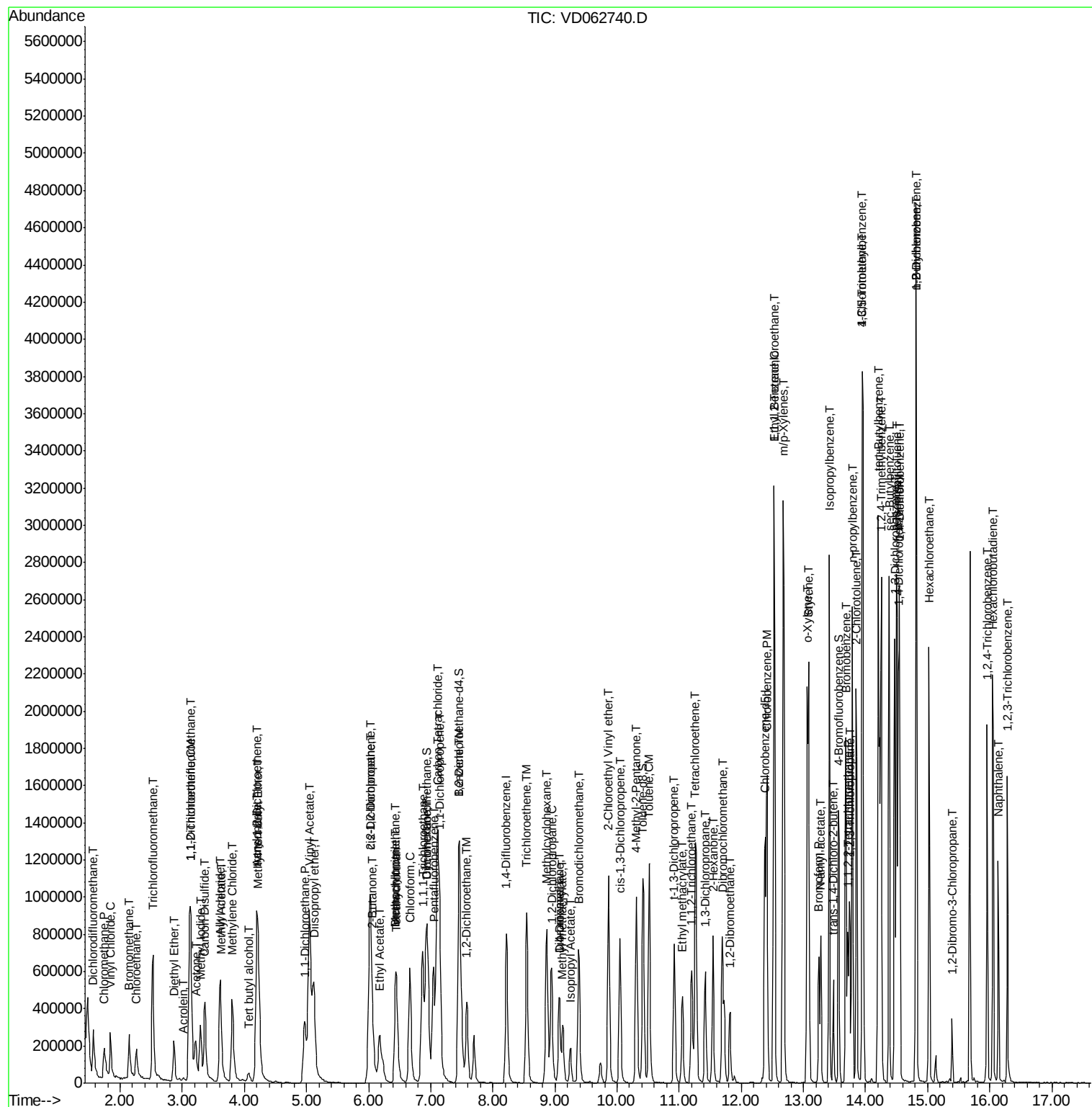
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
Data File : VD062740.D
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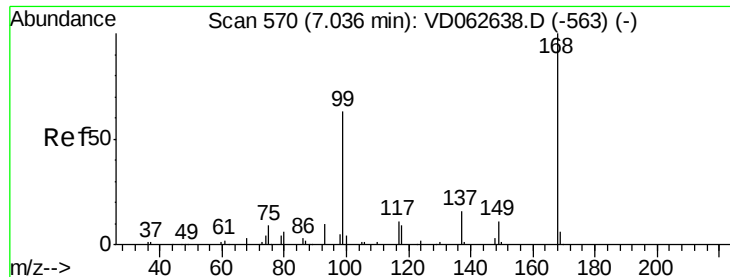
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 587569

Ion Ratio Lower Upper

168 100

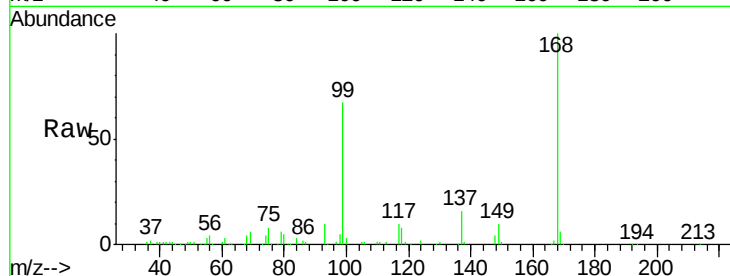
99 66.9 51.4 77.2

Manual Integrations

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6/19/2019 12:34:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

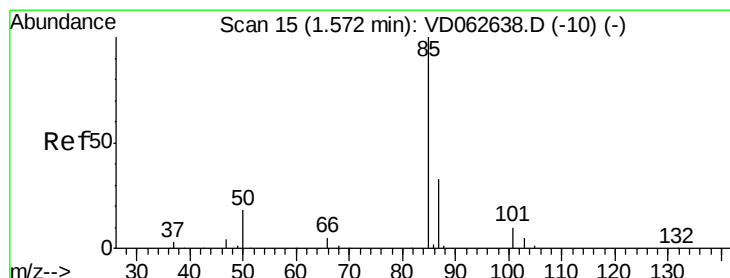
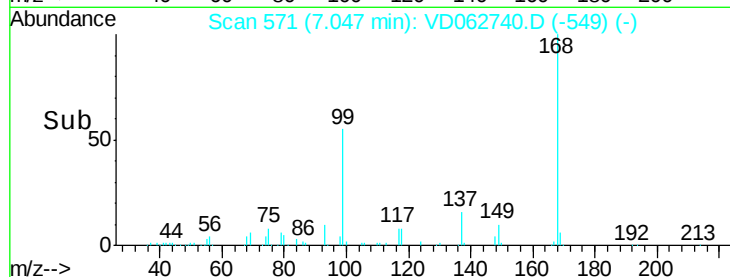
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.115 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062740.D

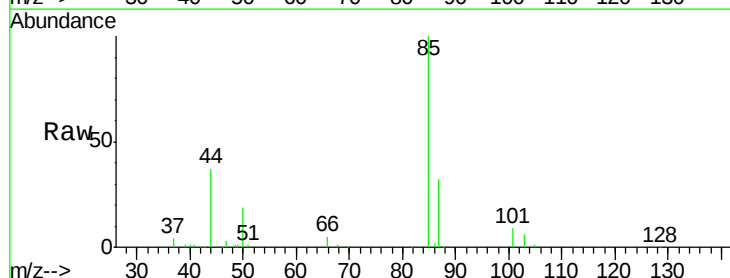
Acq: 17 Jun 2019 21:22

Tgt Ion: 85 Resp: 303420

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

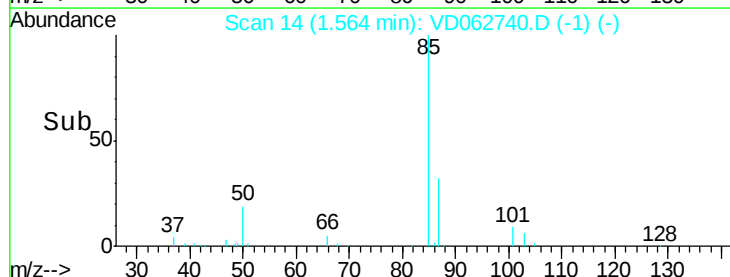
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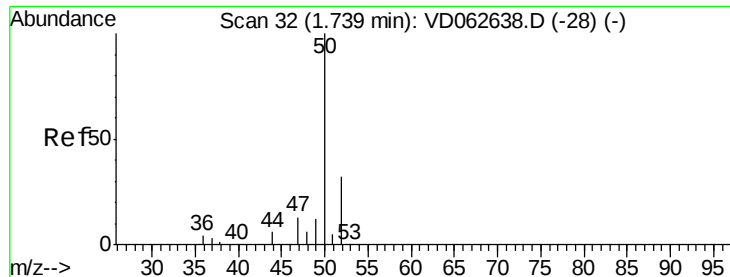
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.616 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 276826

Ion Ratio Lower Upper

50 100

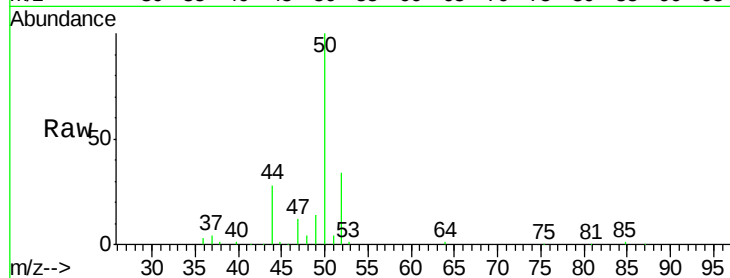
52 33.5 25.8 38.8

Manual Integrations

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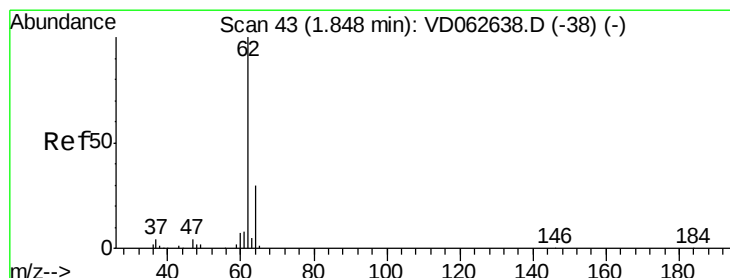
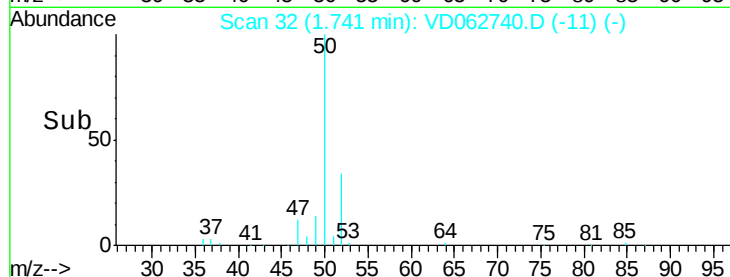
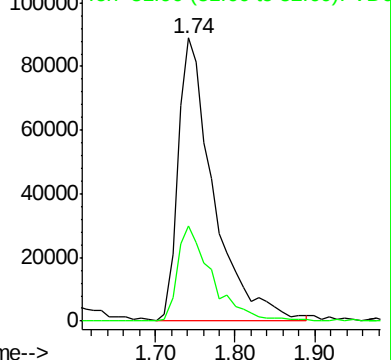
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.656 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062740.D

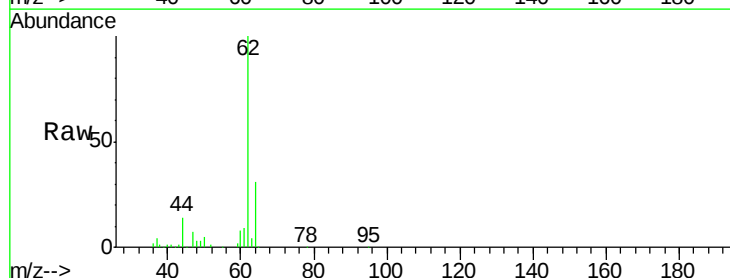
Acq: 17 Jun 2019 21:22

Tgt Ion: 62 Resp: 279702

Ion Ratio Lower Upper

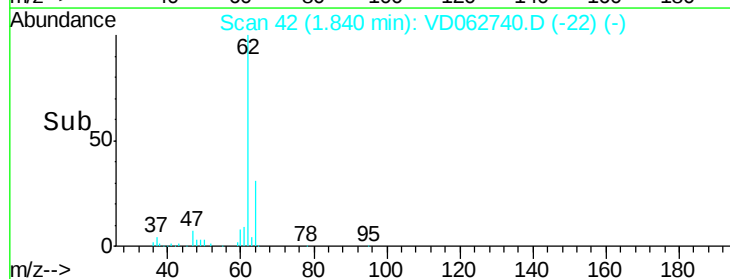
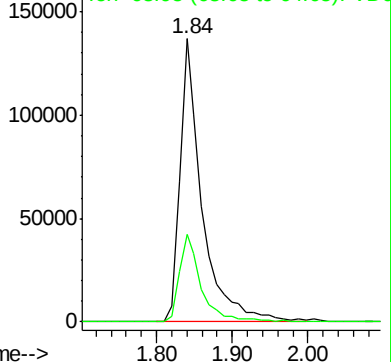
62 100

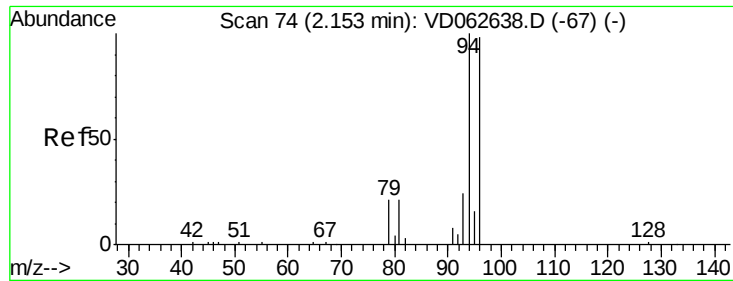
64 30.7 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.203 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

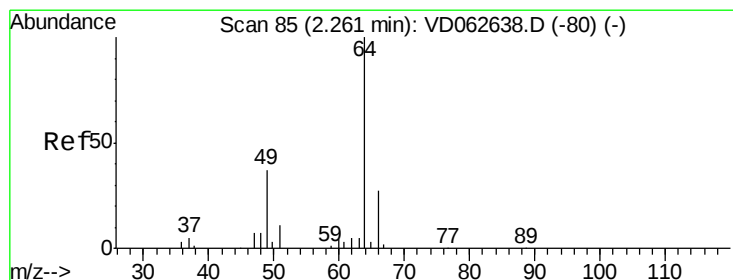
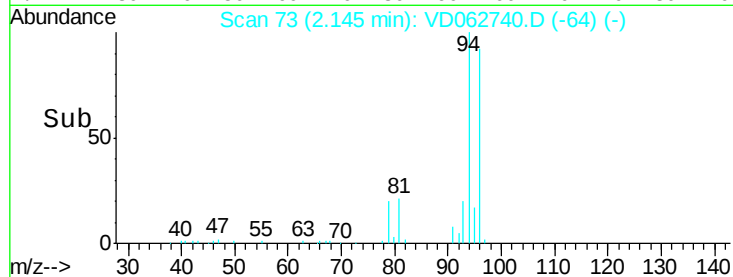
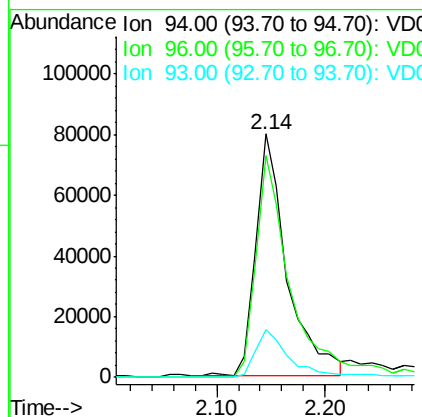
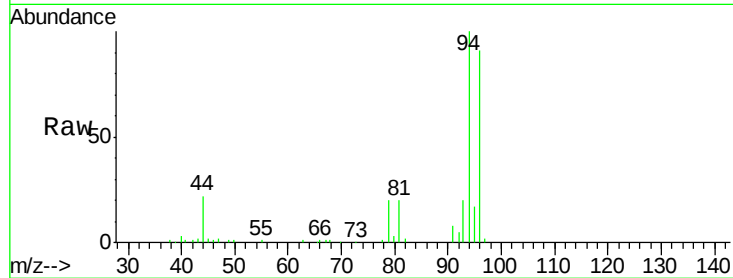
ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 161000
 Ion Ratio Lower Upper
 94 100
 96 91.0 78.1 117.1
 93 19.8 19.6 29.4

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#6

Chloroethane

Concen: 51.399 ug/l

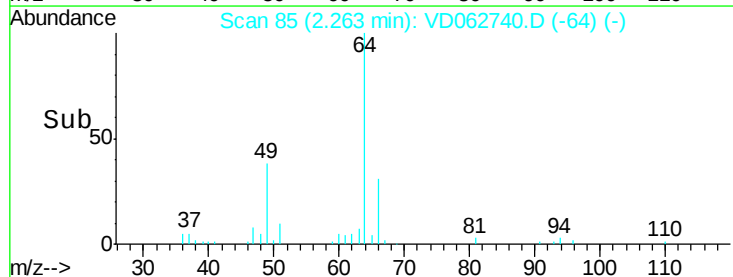
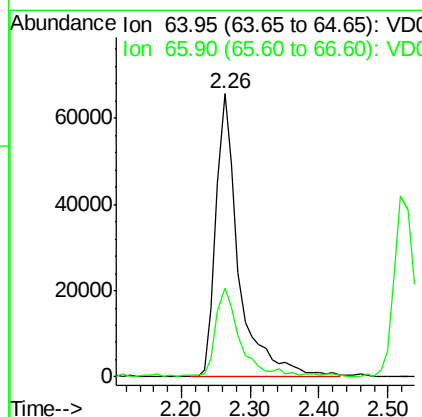
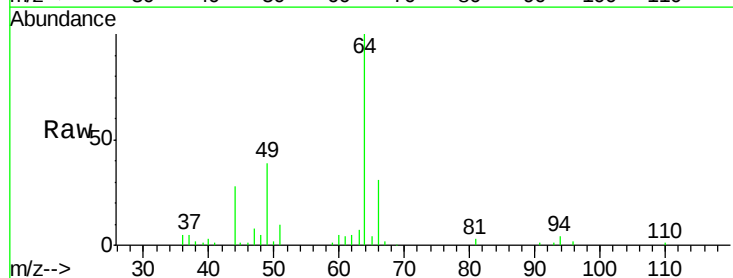
RT: 2.26 min Scan# 85

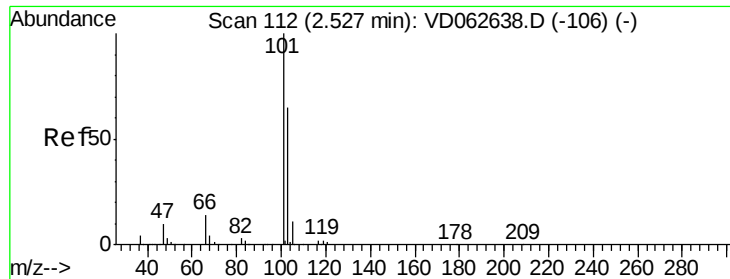
Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion: 64 Resp: 152131
 Ion Ratio Lower Upper
 64 100
 66 31.2 21.9 32.9





#7

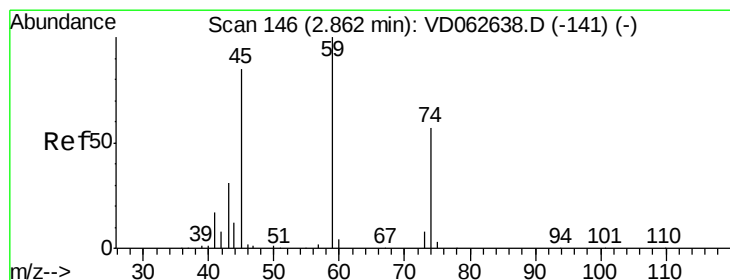
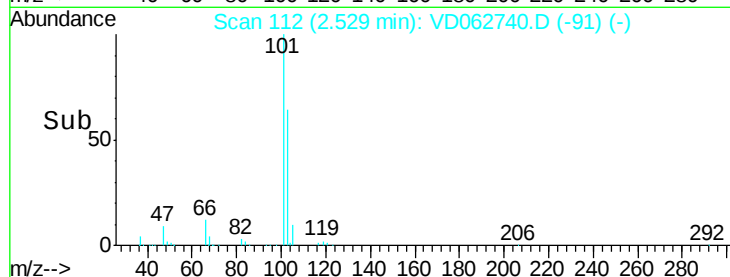
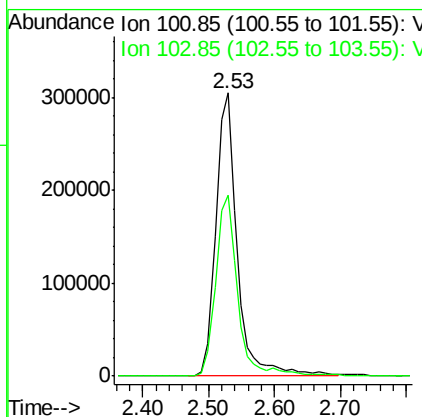
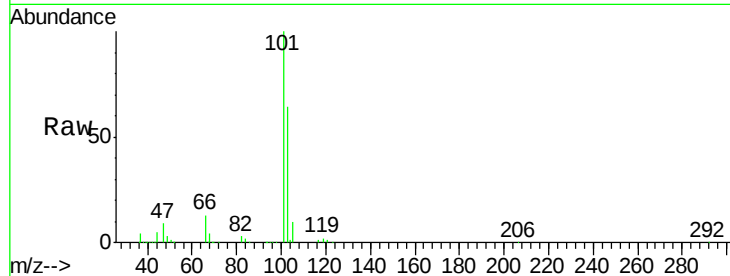
Trichlorofluoromethane
Concen: 51.150 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.2

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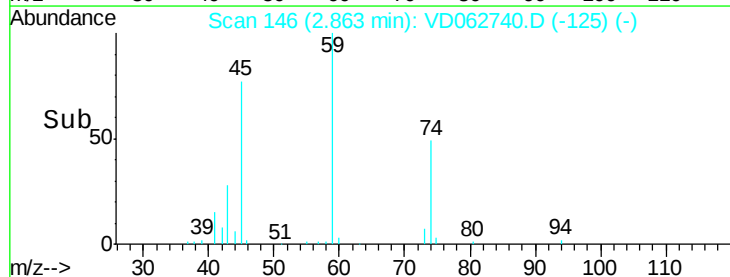
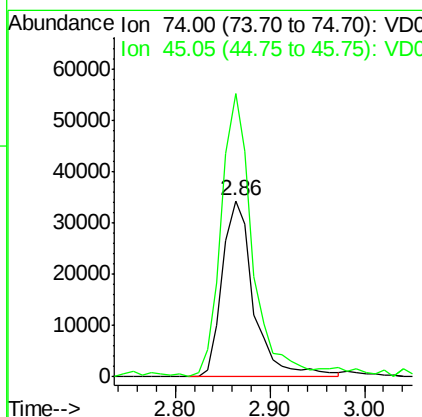
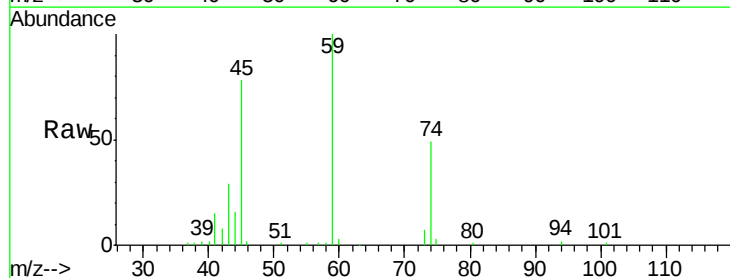
MMDadoda
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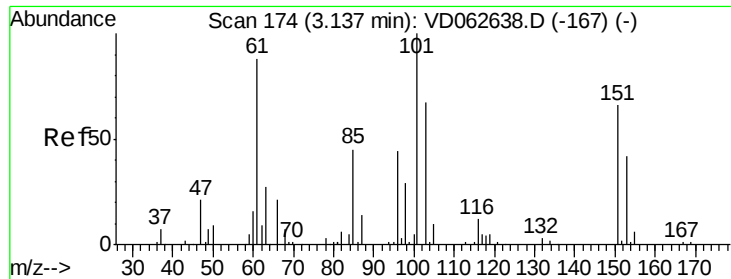


#8

Diethyl Ether
Concen: 43.574 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	160.9	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.802 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

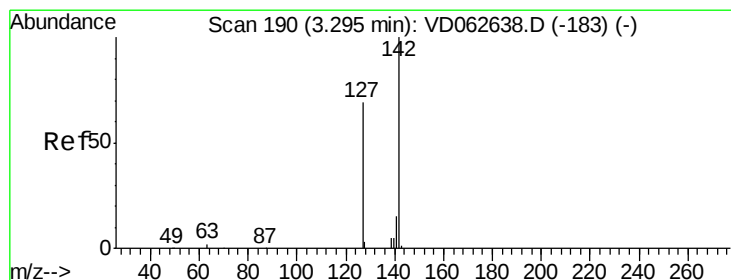
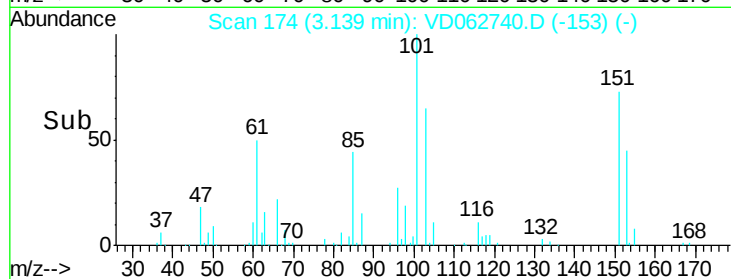
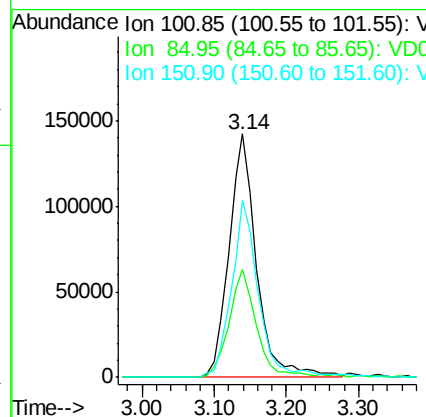
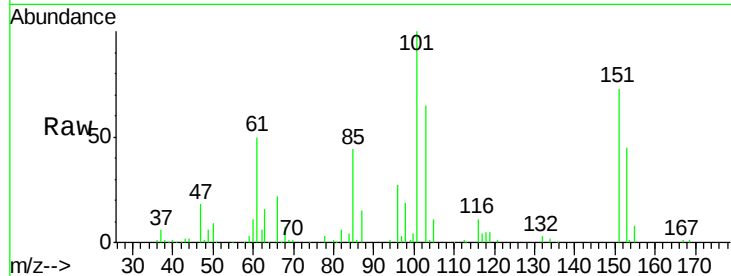
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	374873
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.0	54.0
151	72.6	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 42.469 ug/l

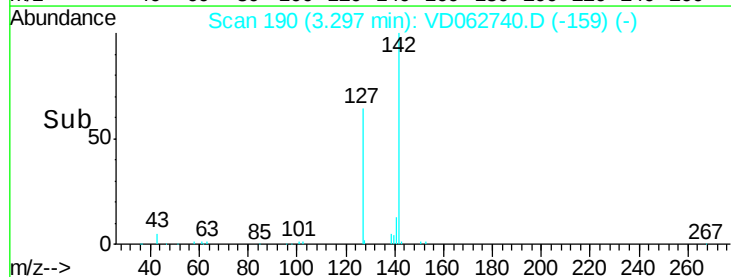
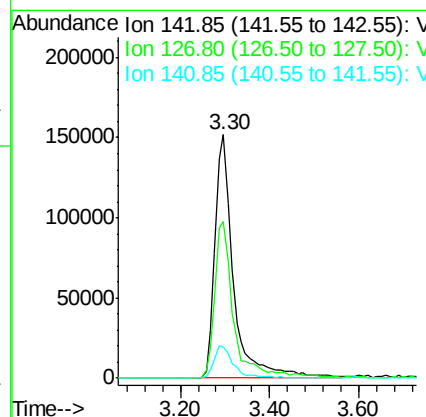
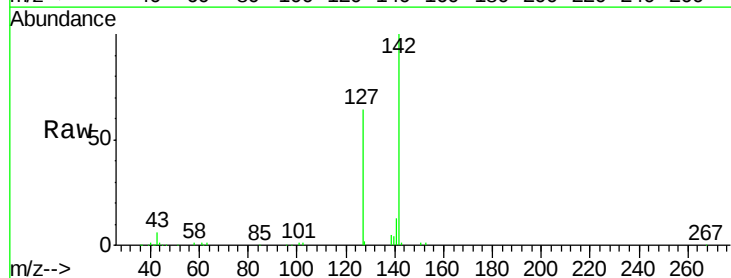
RT: 3.30 min Scan# 190

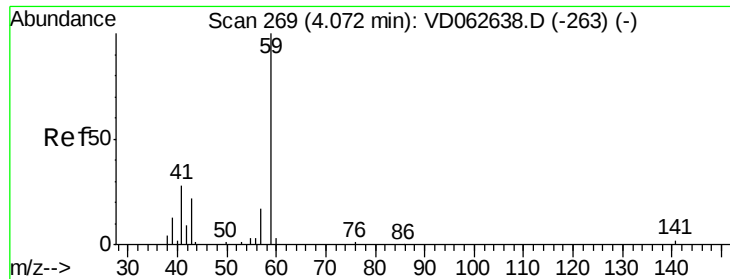
Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	142	Resp:	439238
Ion Ratio	Lower	Upper	
142	100		
127	64.3	55.2	82.8
141	12.8	12.1	18.1





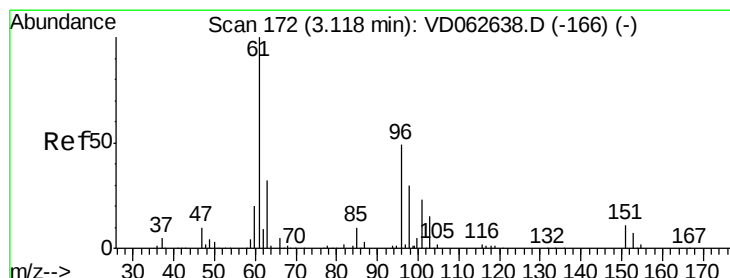
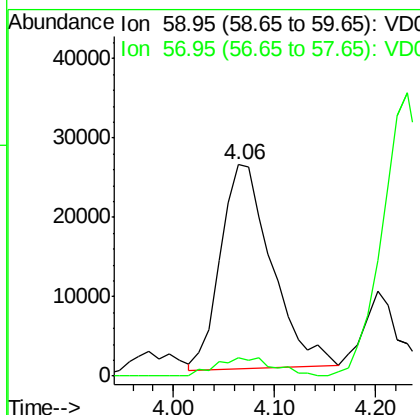
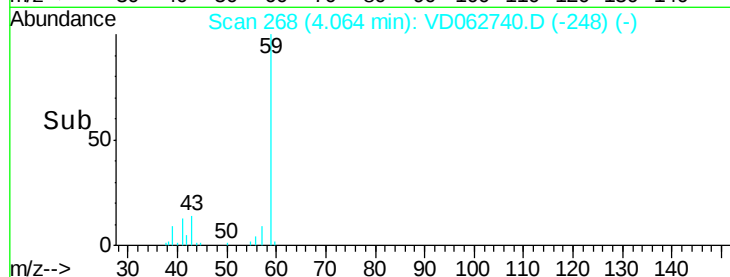
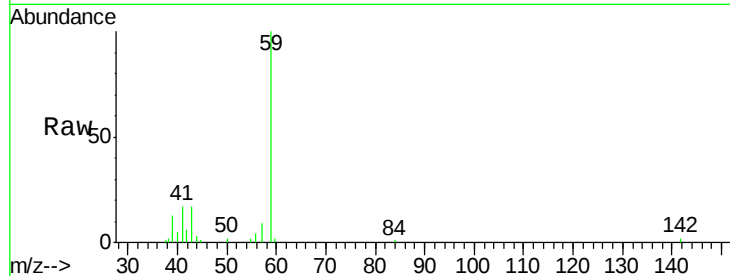
#11
Tert butyl alcohol
Concen: 260.597 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 90821
Ion Ratio Lower Upper
59 100
57 9.0 13.7 20.5#

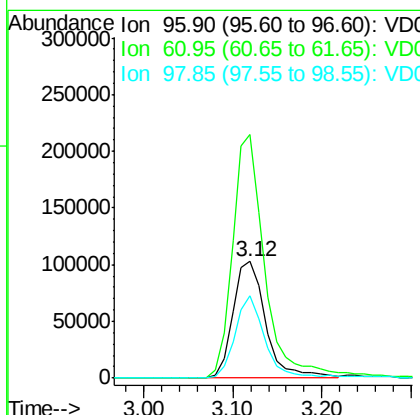
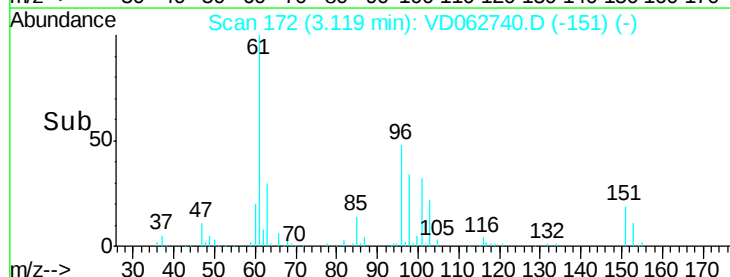
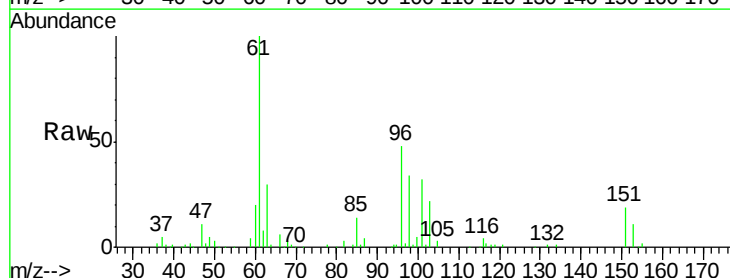
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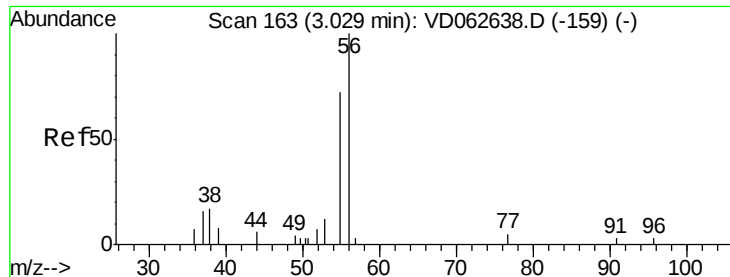
MMDadoda
6/19/2019 12:34:26 AM



#12
1,1-Dichloroethene
Concen: 50.850 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 96 Resp: 264082
Ion Ratio Lower Upper
96 100
61 208.6 161.8 242.8
98 70.1 48.2 72.4





#13

Acrolein

Concen: 147.958 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 16587

Ion Ratio Lower Upper

56 100

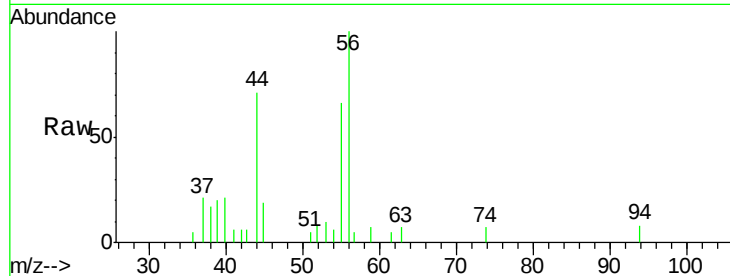
55 66.0 59.4 89.0

Manual Integrations

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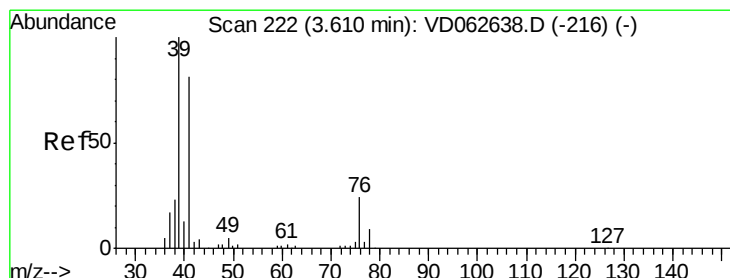
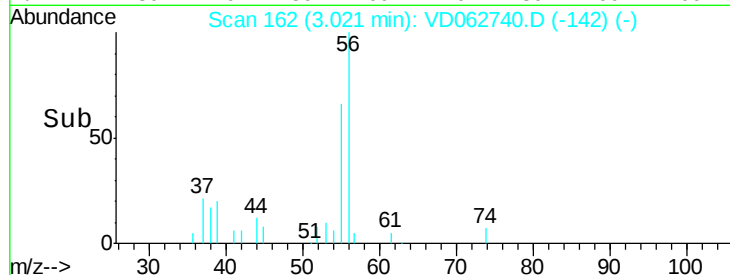
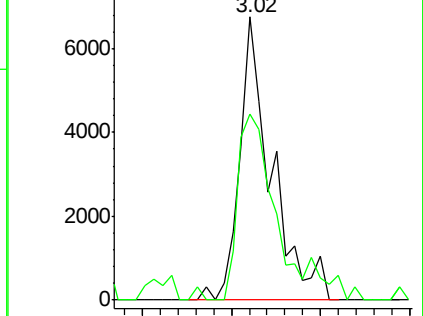
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

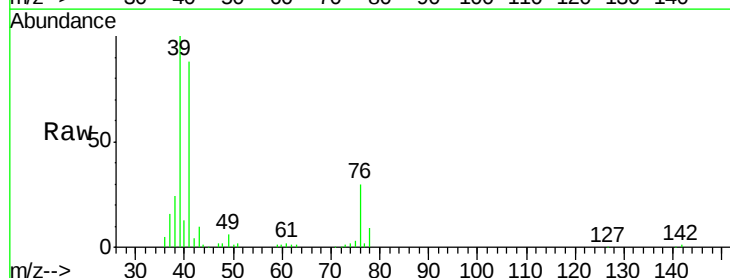
Tgt Ion: 41 Resp: 409617

Ion Ratio Lower Upper

41 100

39 113.1 99.1 148.7

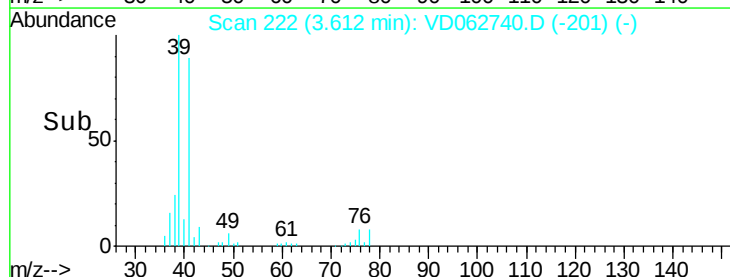
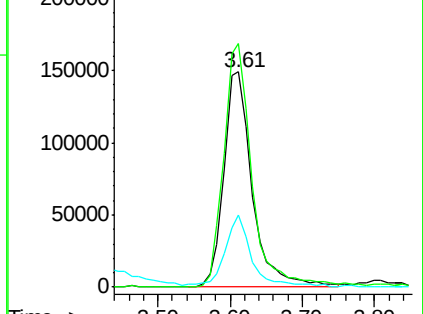
76 33.6 25.0 37.6

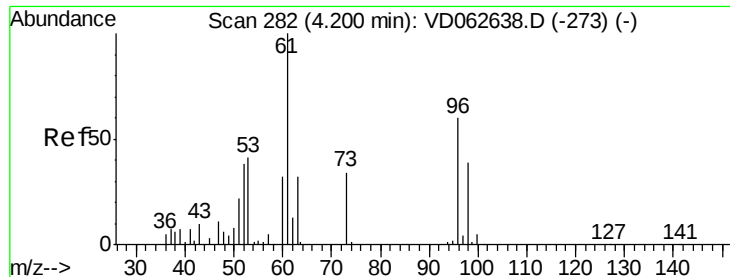


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 257.258 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

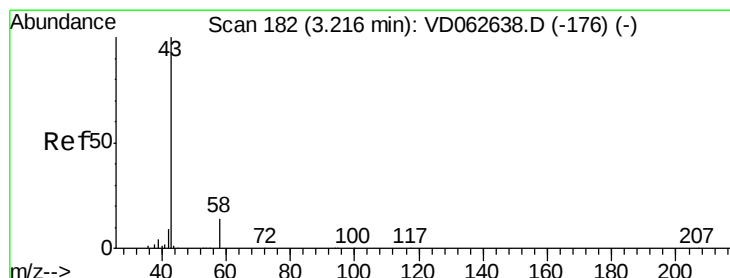
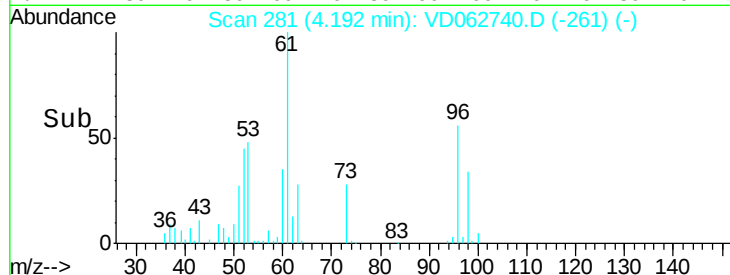
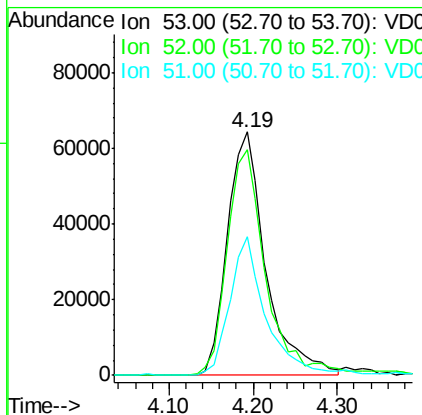
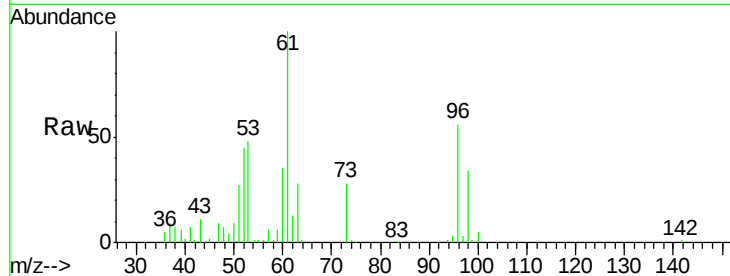
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	203739
Ion	Ratio	Lower	Upper
53	100		
52	93.0	73.6	110.4
51	56.9	42.0	63.0

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#16

Acetone

Concen: 256.713 ug/l

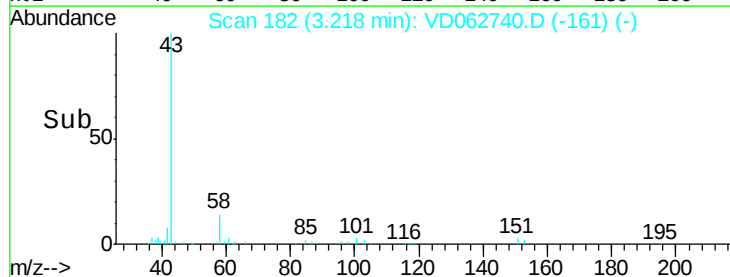
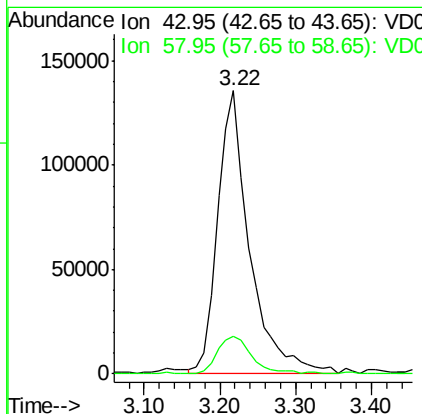
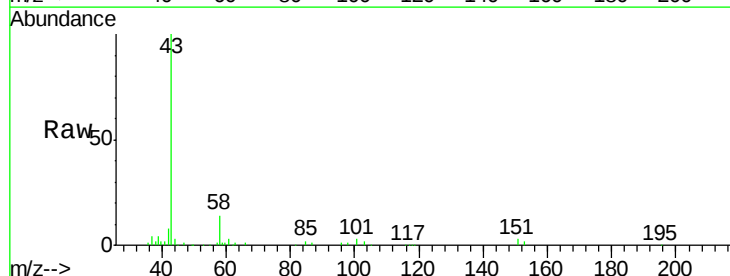
RT: 3.22 min Scan# 182

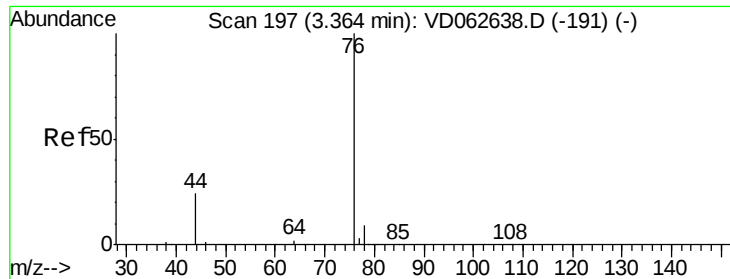
Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	43	Resp:	398563
Ion	Ratio	Lower	Upper
43	100		
58	13.5	10.8	16.2





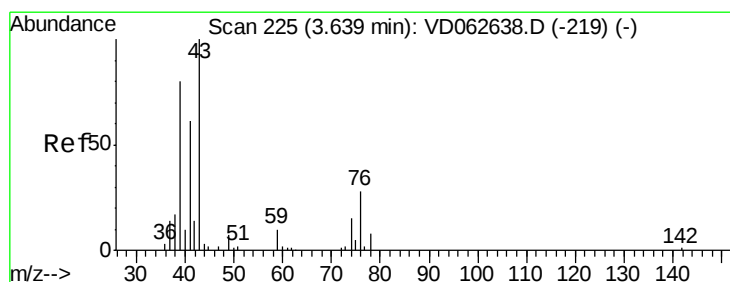
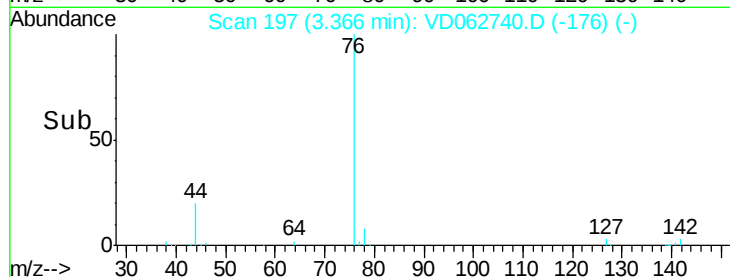
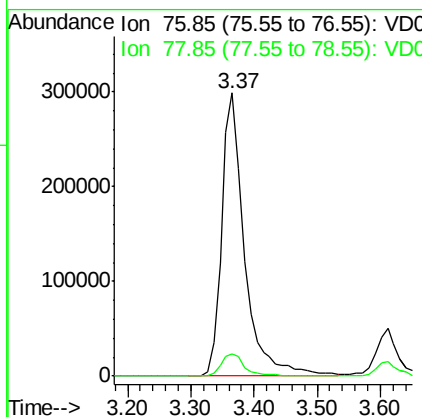
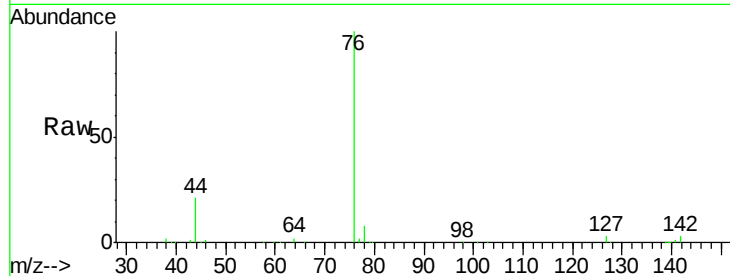
#17
Carbon Disulfide
Concen: 49.176 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.0	10.4

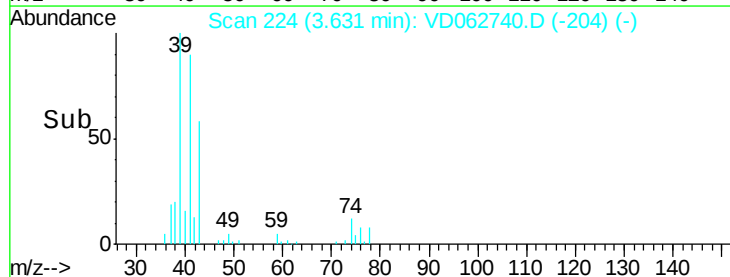
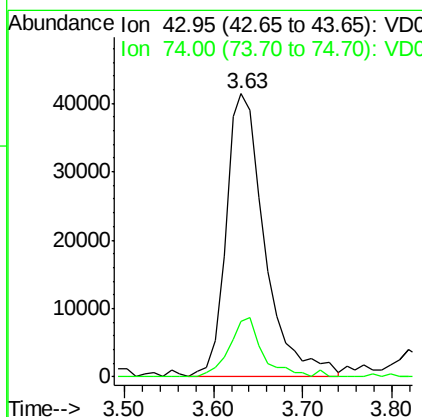
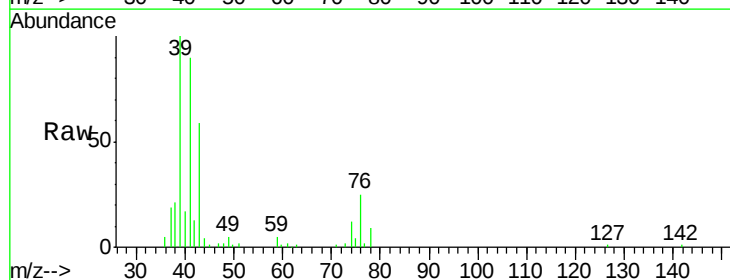
Manual Integrations
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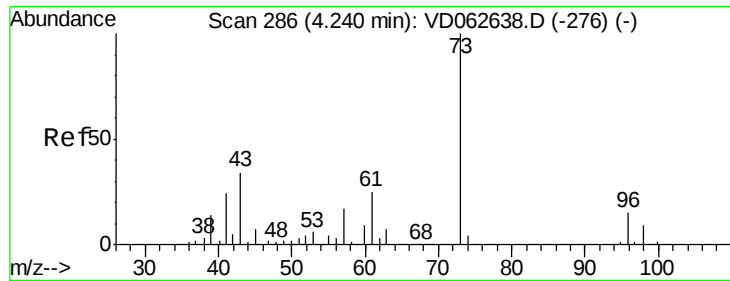
MMDadoda
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#18
Methyl Acetate
Concen: 49.256 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	12.1	18.1#





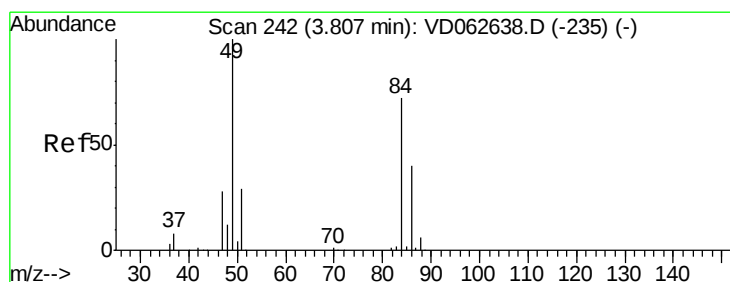
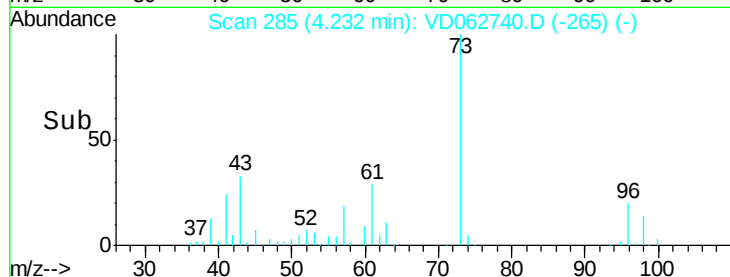
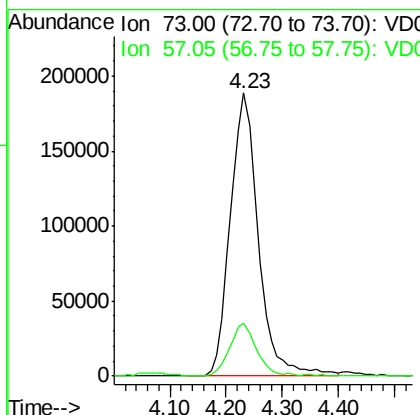
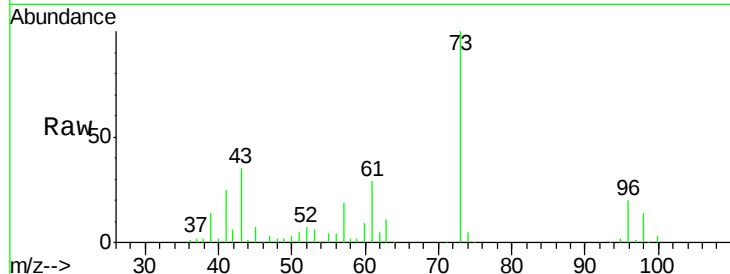
#19
Methvl tert-butvl Ether
Concen: 51.784 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 655900
Ion Ratio Lower Upper
73 100
57 18.9 13.5 20.3

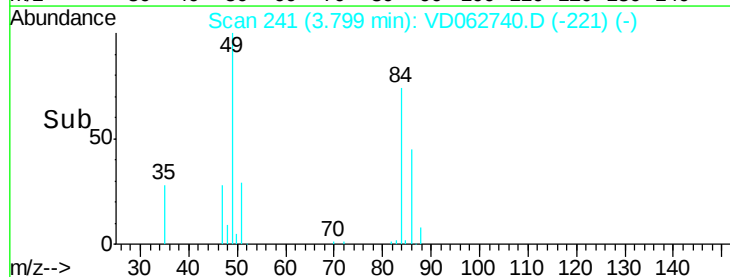
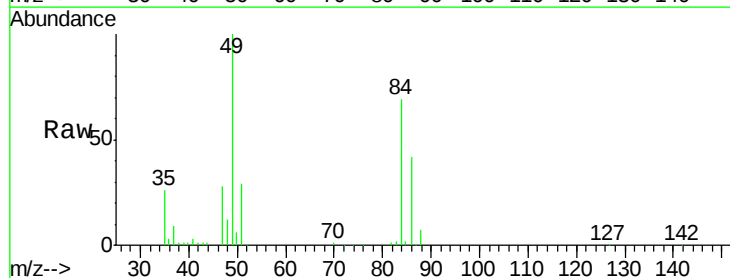
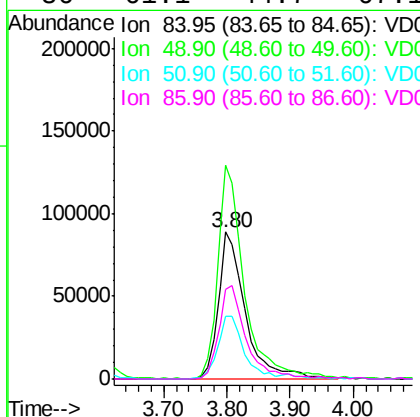
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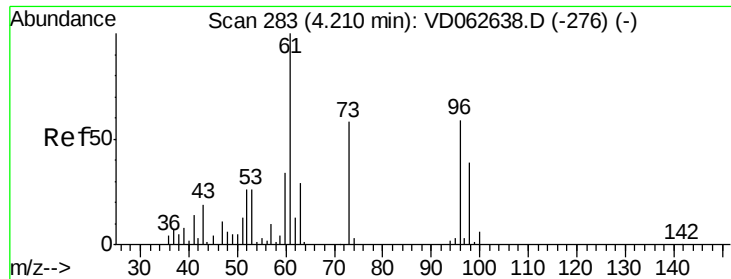
MMDadoda
6/19/2019 12:34:26 AM



#20
Methylene Chloride
Concen: 45.464 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 84 Resp: 266929
Ion Ratio Lower Upper
84 100
49 145.5 111.2 166.8
51 42.3 31.9 47.9
86 61.1 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 51.495 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 293348

Ion Ratio Lower Upper

96 100

61 152.7 134.6 201.8

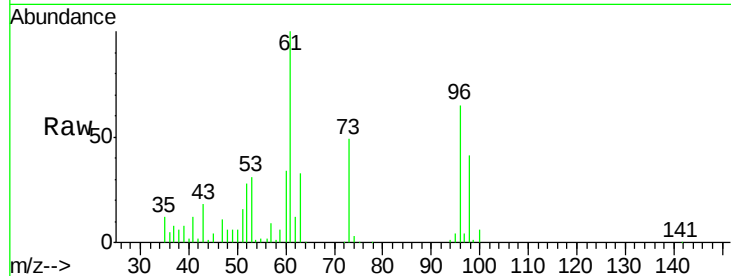
98 62.5 51.8 77.8

Manual Integrations

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MMDadoda

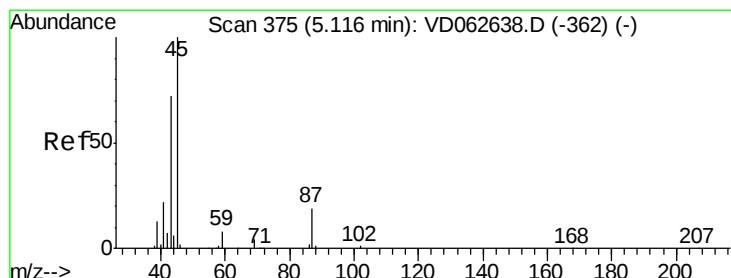
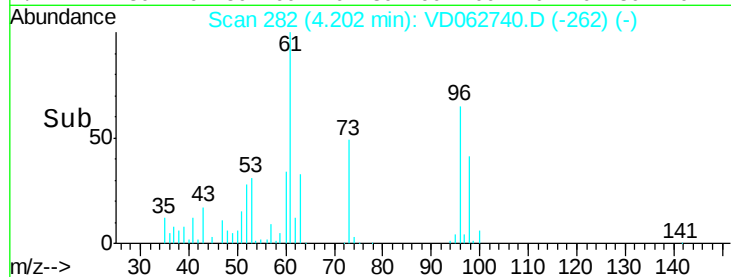
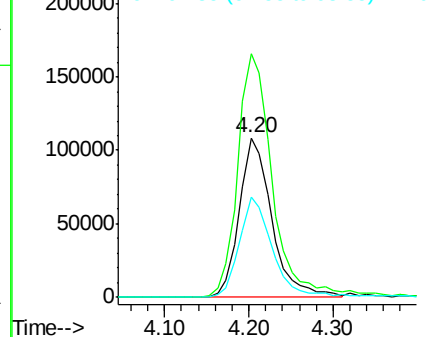
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.084 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion: 45 Resp: 847001

Ion Ratio Lower Upper

45 100

43 66.8 58.8 88.2

87 18.4 15.7 23.5

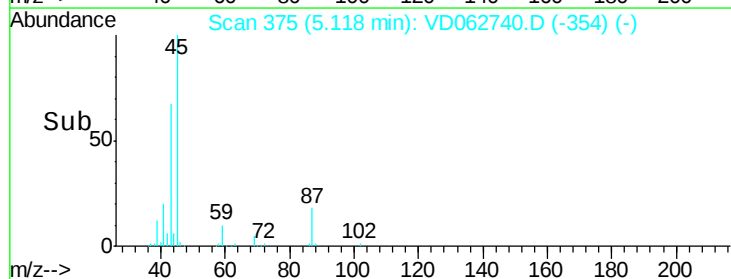
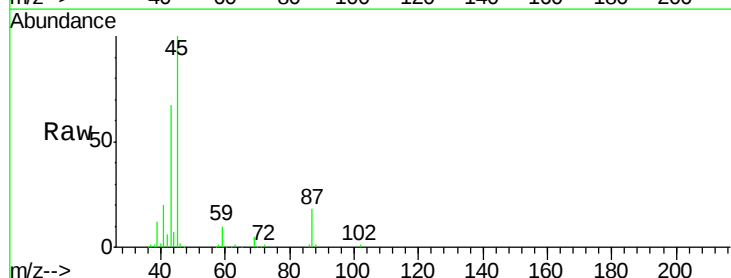
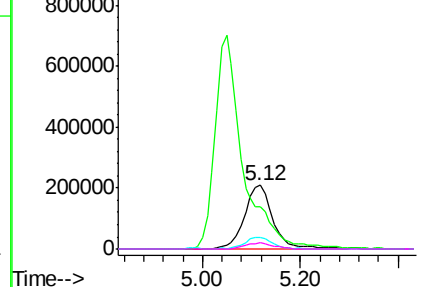
59 9.7 6.6 9.8

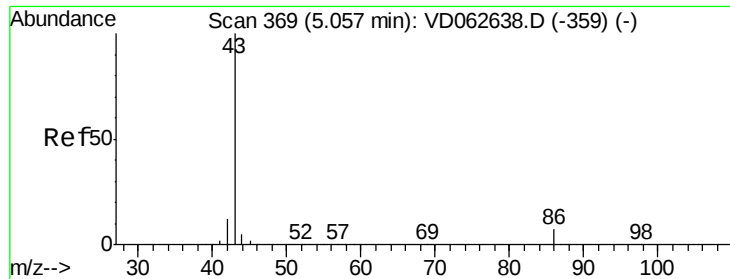
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 269.017 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2767163

Ion Ratio Lower Upper

43 100

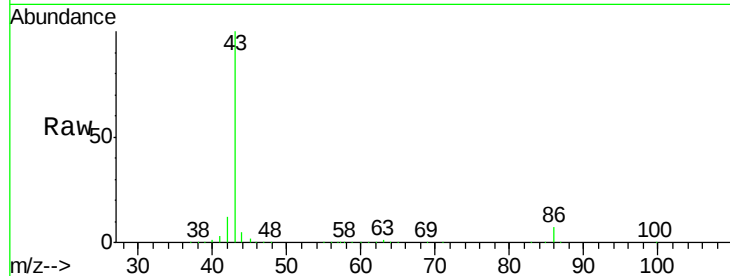
86 6.5 5.3 7.9

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

800000

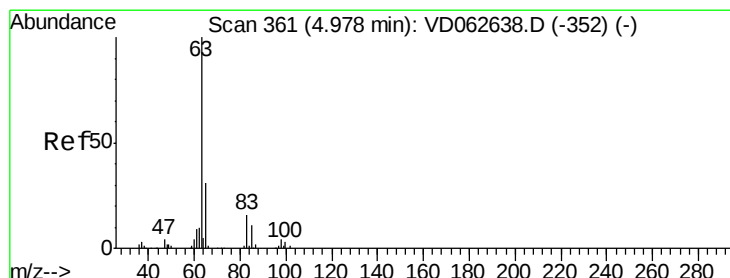
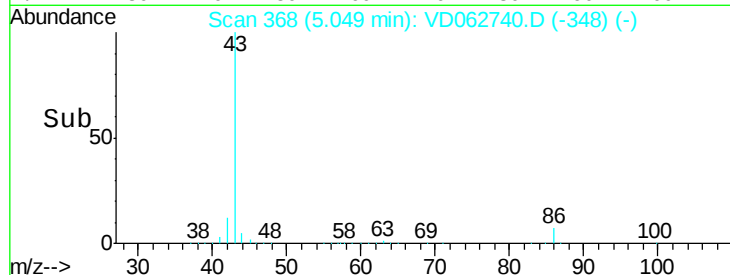
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.794 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

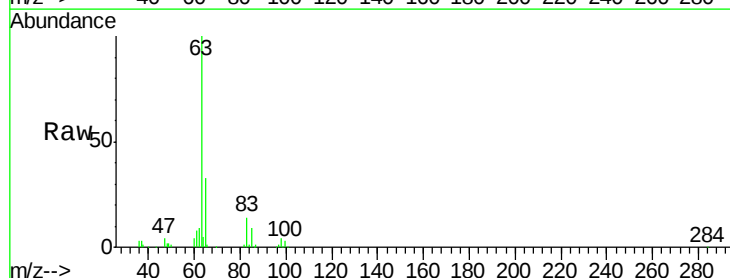
Tgt Ion: 63 Resp: 552459

Ion Ratio Lower Upper

63 100

98 4.4 1.8 5.4

100 2.8 1.5 4.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

200000

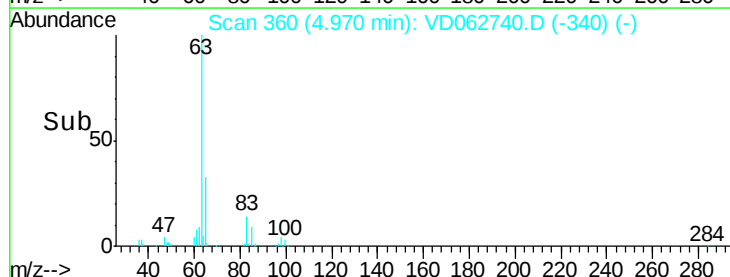
150000

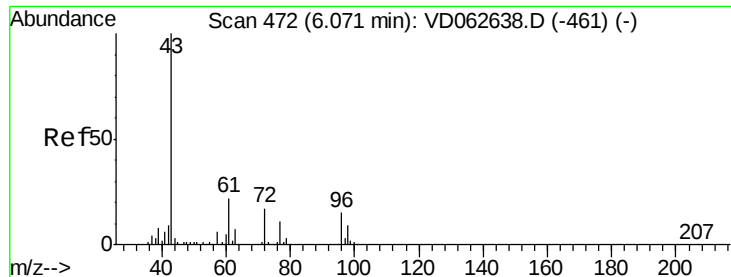
100000

50000

0

Time-->





#25

2-Butanone

Concen: 259.530 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 393099

Ion Ratio Lower Upper

43 100

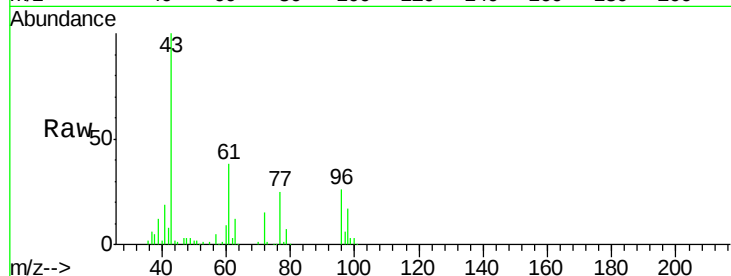
72 15.1 13.5 20.3

Manual Integrations

APPROVED

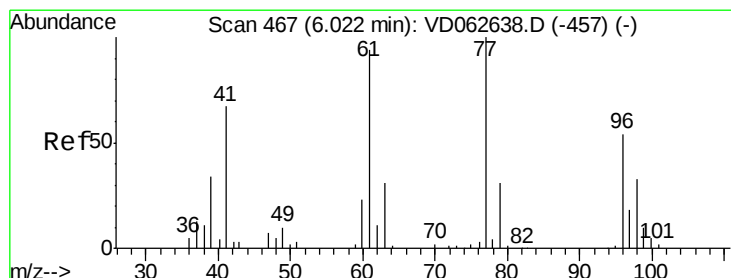
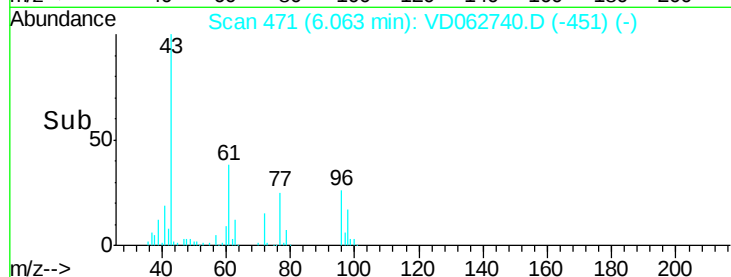
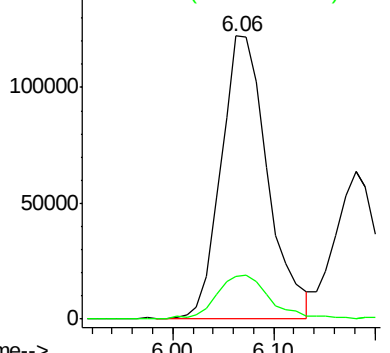
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.745 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062740.D

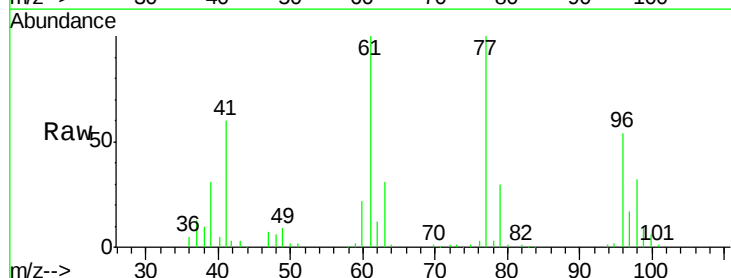
Acq: 17 Jun 2019 21:22

Tgt Ion: 77 Resp: 611525

Ion Ratio Lower Upper

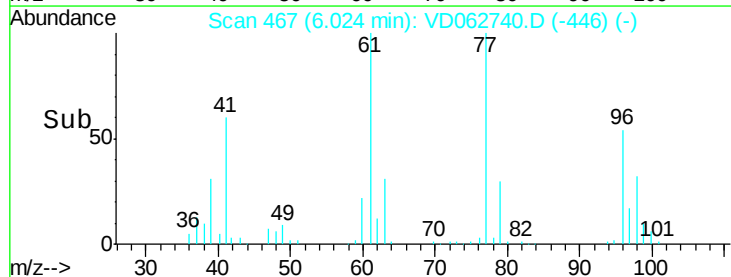
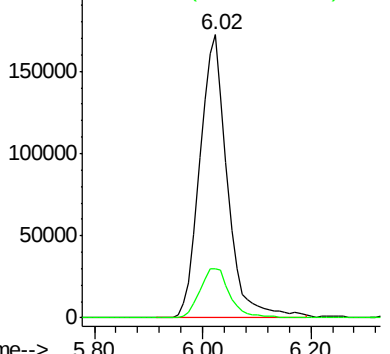
77 100

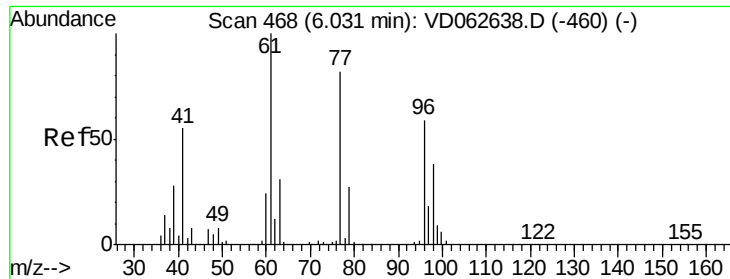
97 17.2 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

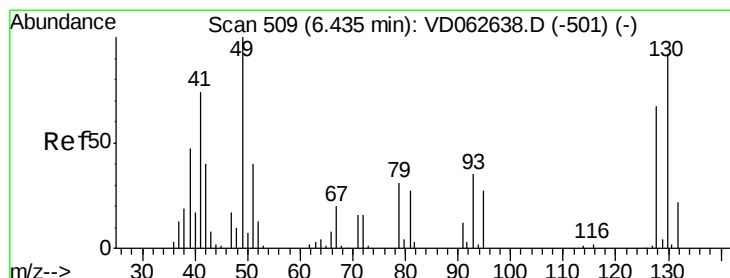
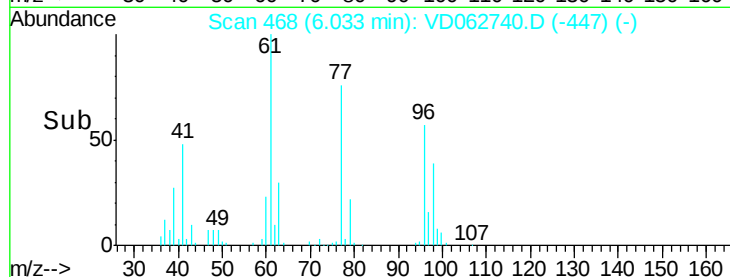
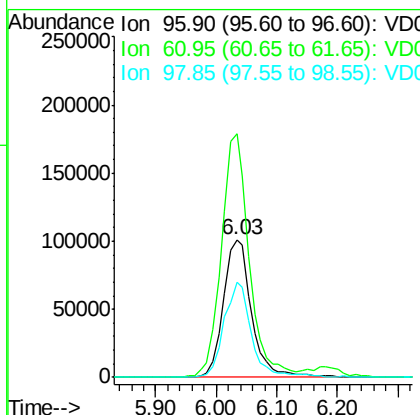
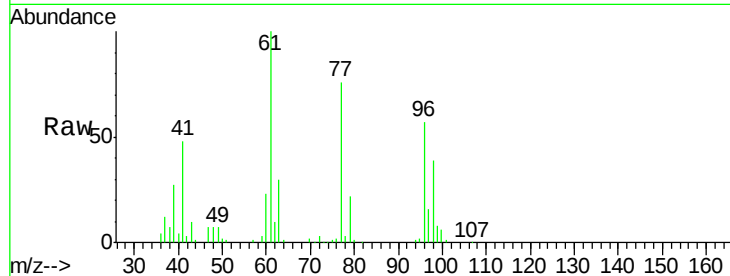
cis-1,2-Dichloroethene
Concen: 52.585 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	176.4	0.0	340.0	
98	68.5	0.0	127.6	

Manual Integrations
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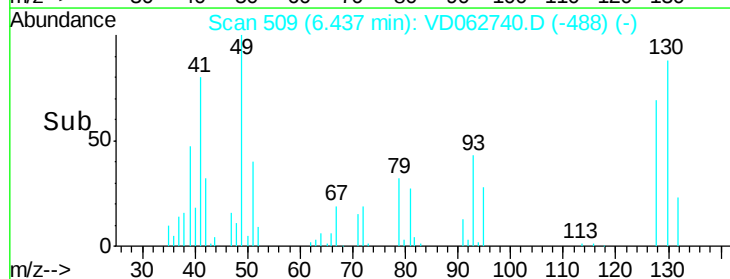
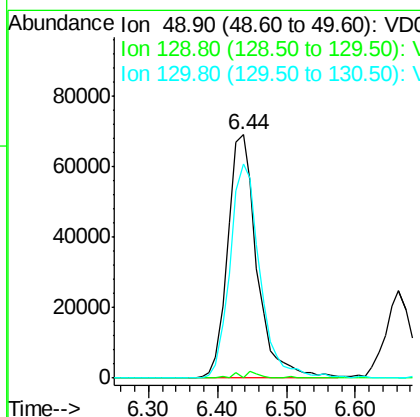
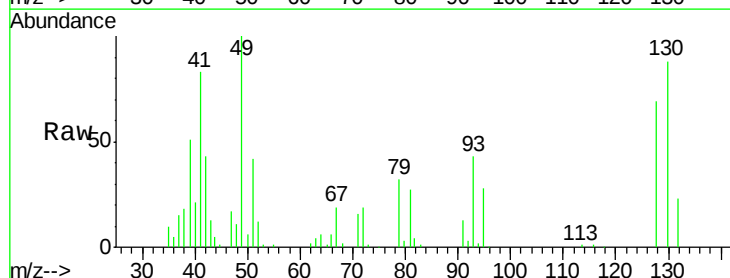
MMDadoda
6/19/2019 12:34:26 AM

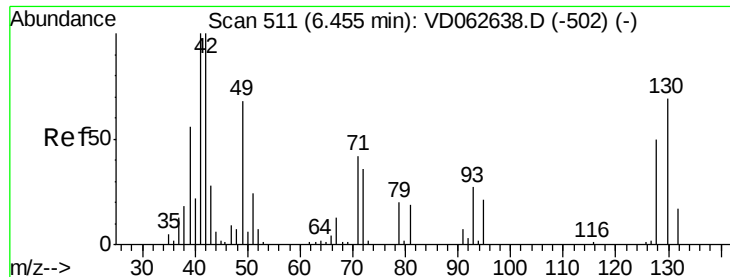


#28

Bromochloromethane
Concen: 49.860 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	8.2	
130	88.1	73.4	110.0	





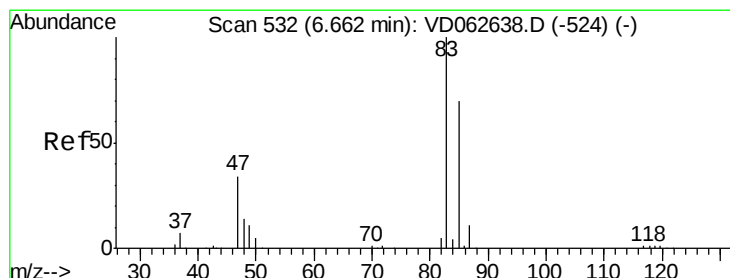
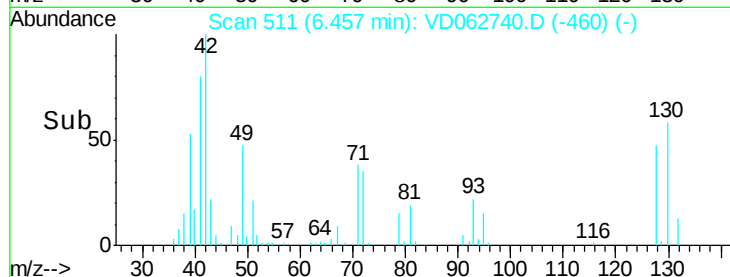
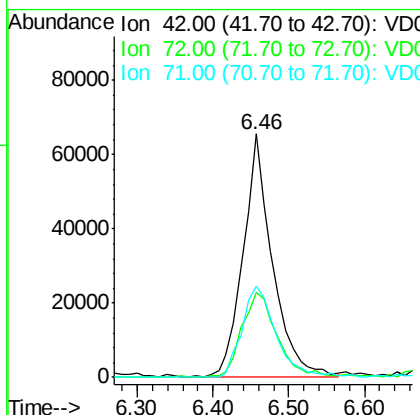
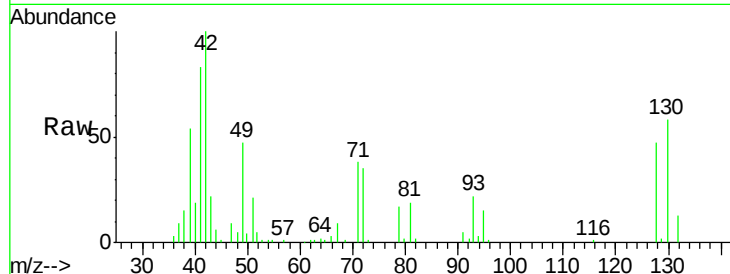
#29
Tetrahydrofuran
Concen: 259.629 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.8	50.6
71	43.6	34.2	51.4

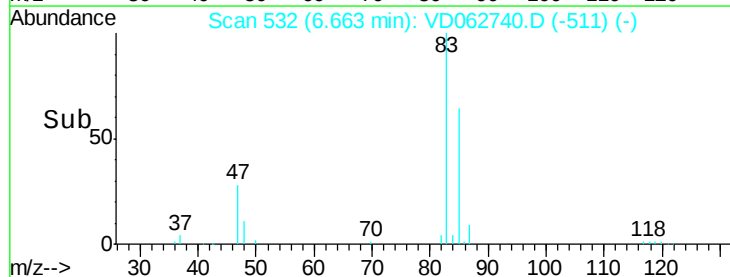
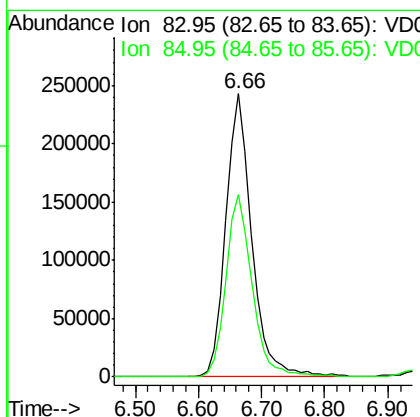
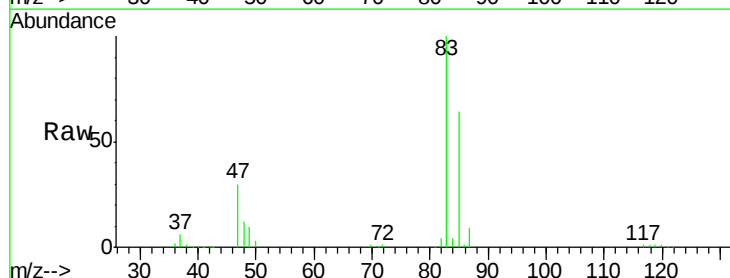
Manual Integrations
APPROVED

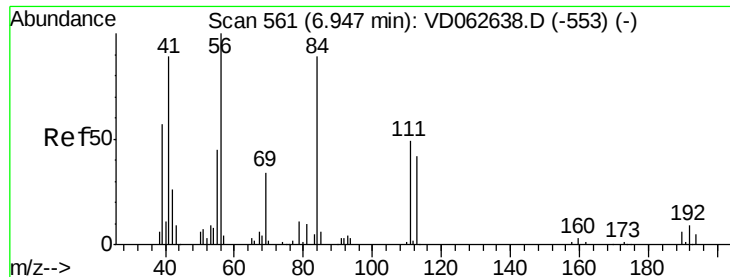
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6/19/2019 12:34:26 AM



#30
Chloroform
Concen: 50.510 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	55.8	83.6





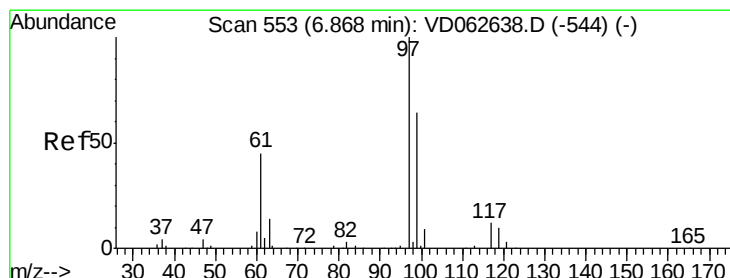
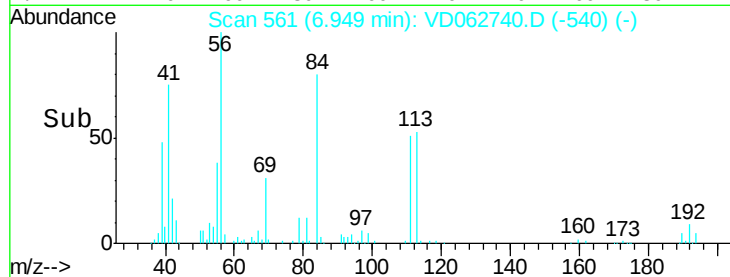
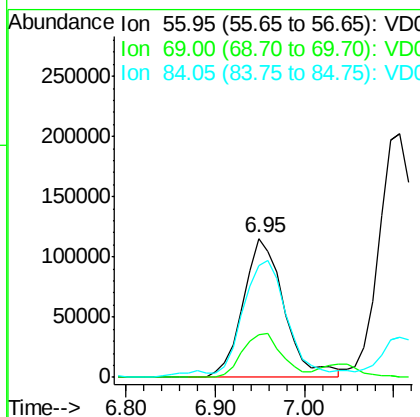
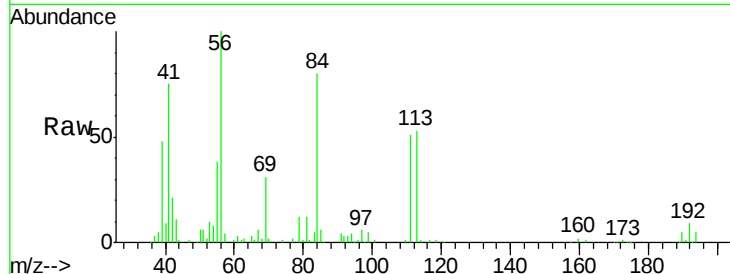
#31
Cvclohexane
Concen: 54.771 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.8	40.2
84	80.5	73.9	110.9

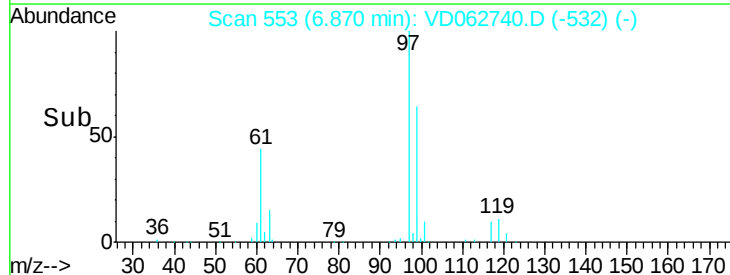
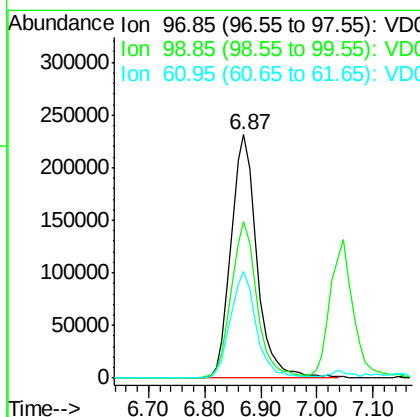
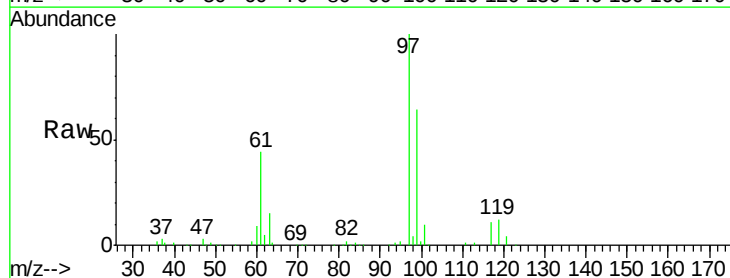
Manual Integrations
APPROVED

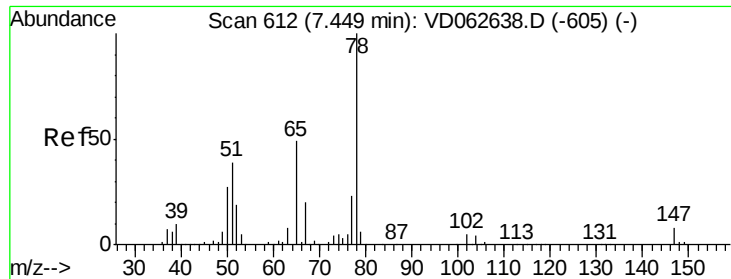
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#32
1,1,1-Trichloroethane
Concen: 54.442 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	43.8	35.6	53.4





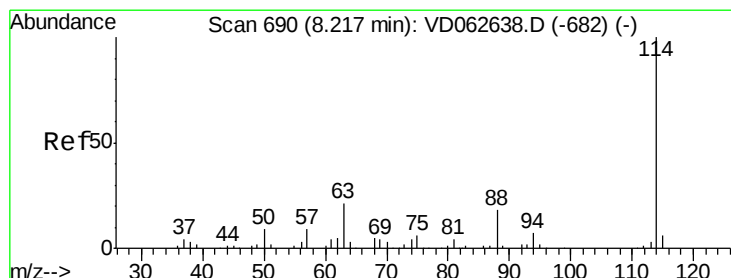
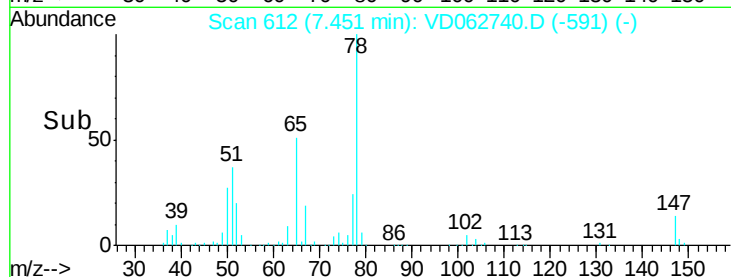
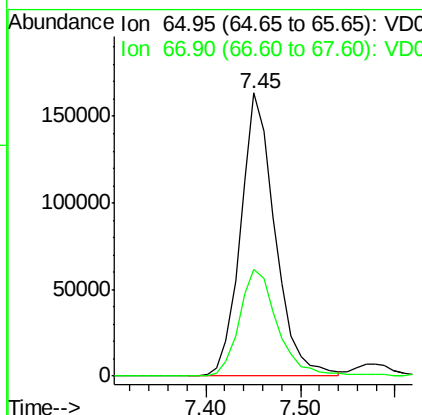
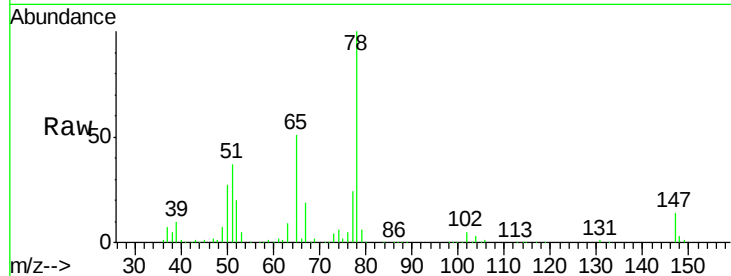
#33
 1,2-Dichloroethane-d4
 Concen: 48.614 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	37.9	0.0	81.8

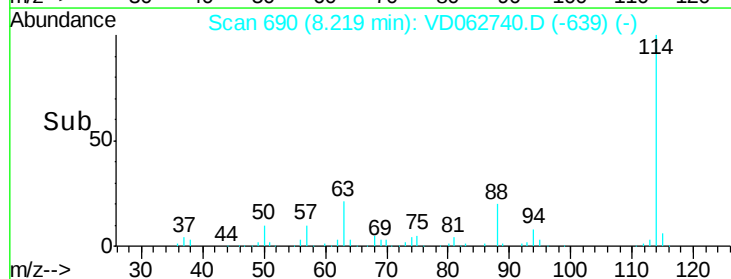
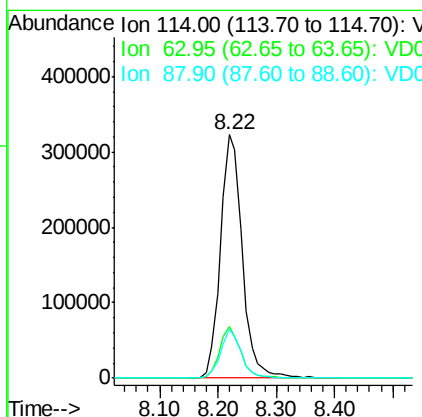
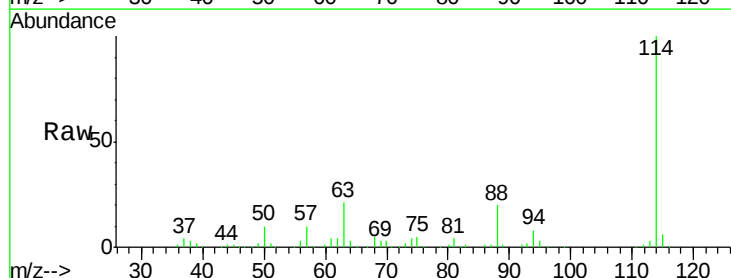
Manual Integrations
 APPROVED

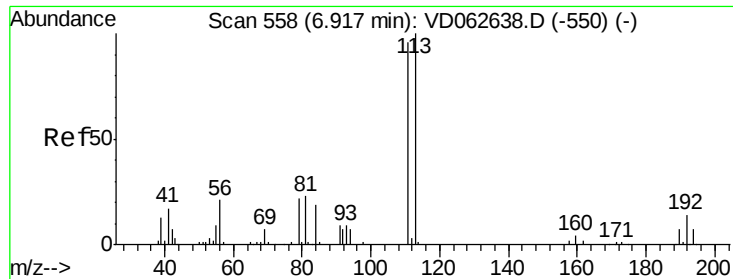
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 6/19/2019 12:34:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	20.1	0.0	36.8





#35

Dibromofluoromethane

Concen: 48.194 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

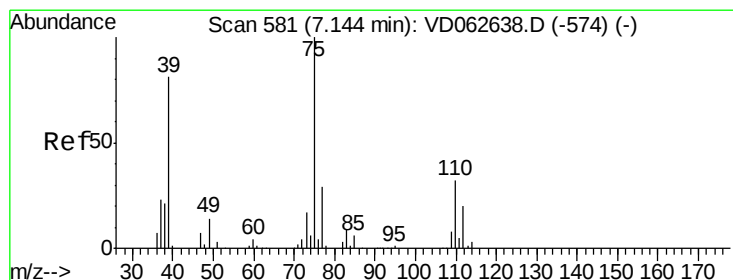
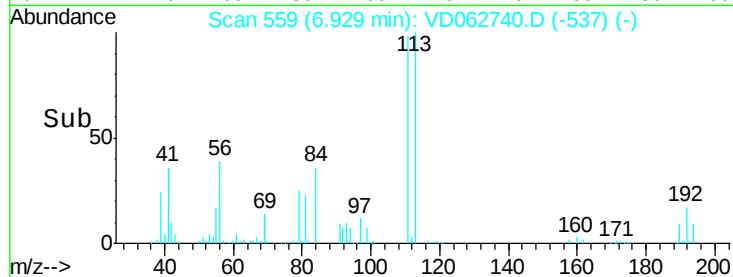
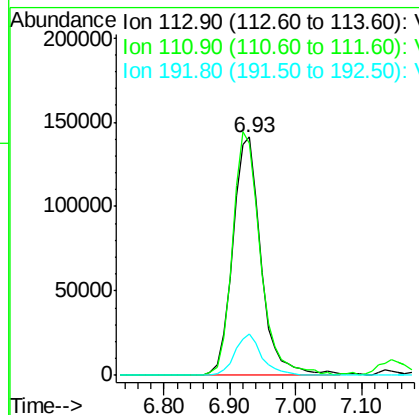
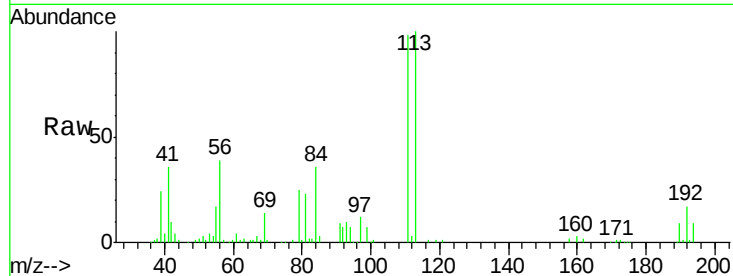
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	425300
Ion Ratio	Lower	Upper	
113	100		
111	97.6	76.4	114.6
192	17.4	11.4	17.0#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.135 ug/l

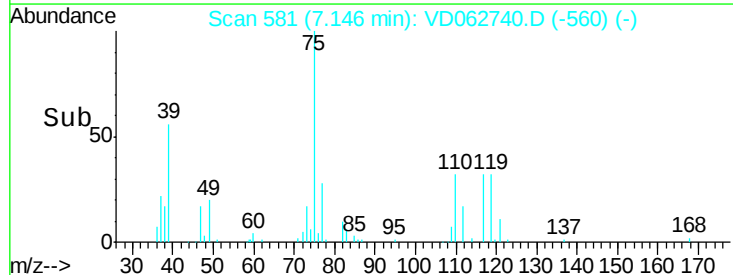
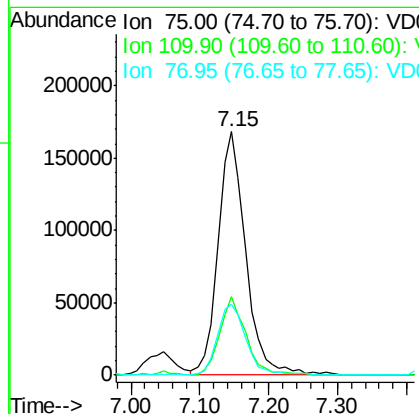
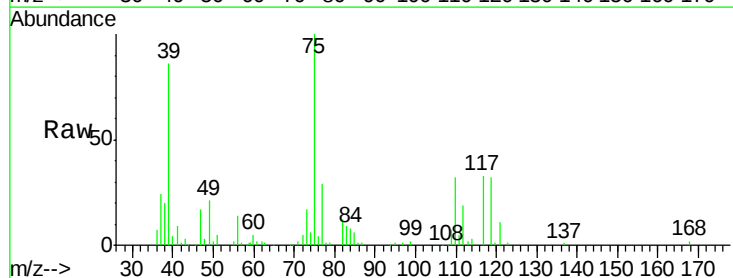
RT: 7.15 min Scan# 581

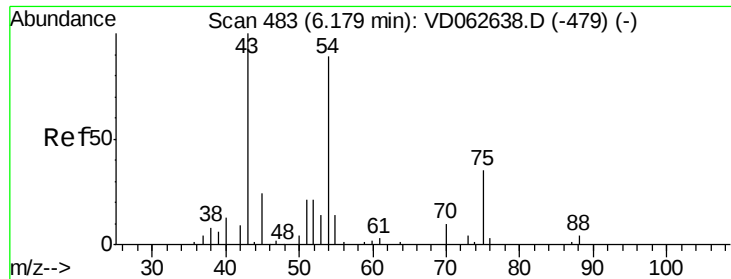
Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	75	Resp:	460975
Ion Ratio	Lower	Upper	
75	100		
110	32.4	15.9	47.7
77	29.1	23.3	34.9





#37

Ethyl Acetate

Concen: 48.867 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

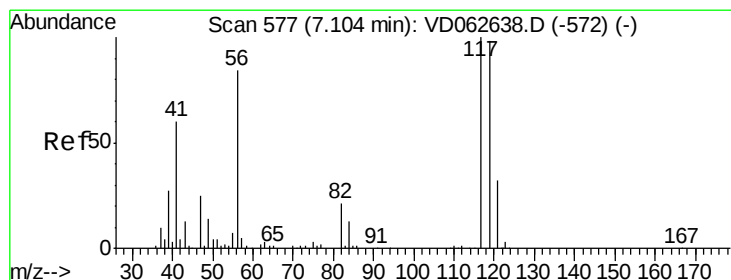
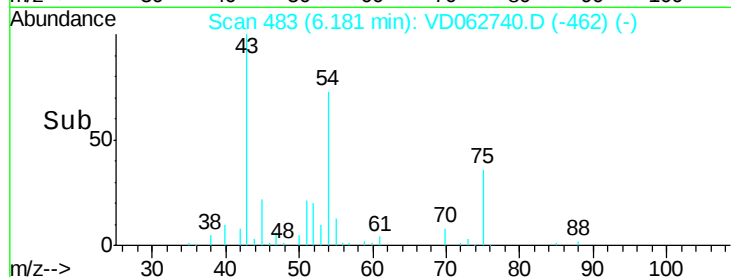
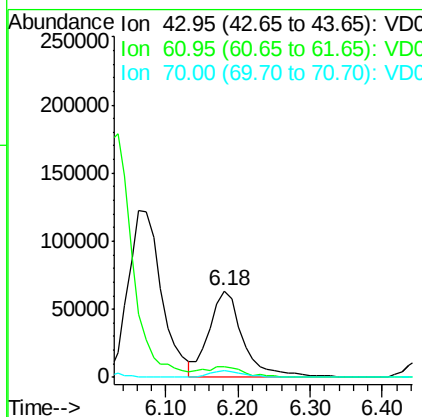
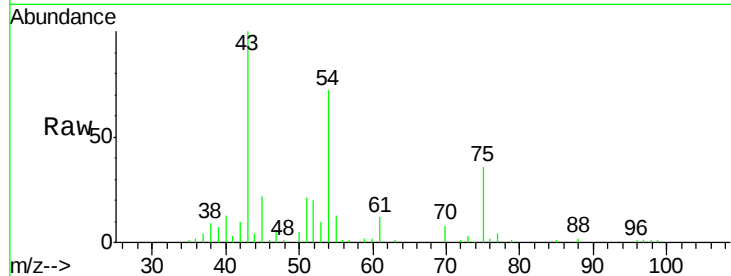
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	199427
Ion	Ratio	Lower	Upper
43	100		
61	12.4	8.7	13.1
70	8.3	6.5	9.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.411 ug/l m

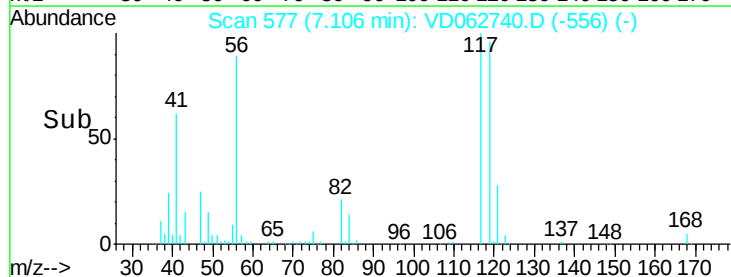
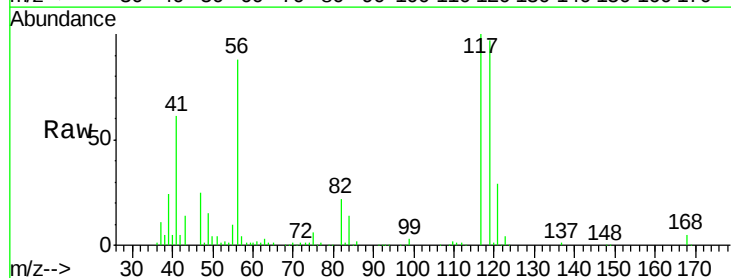
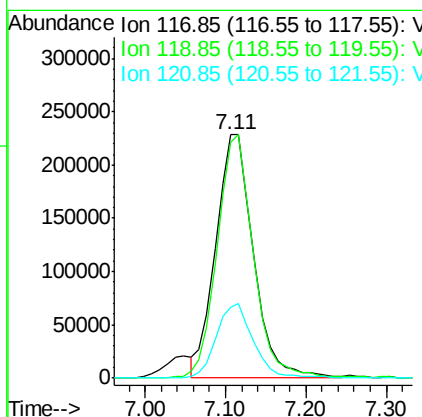
RT: 7.11 min Scan# 577

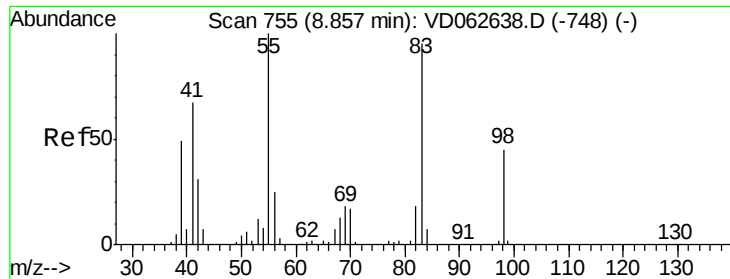
Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	117	Resp:	747930
Ion	Ratio	Lower	Upper
117	100		
119	97.1	73.5	110.3
121	29.0	24.2	36.4





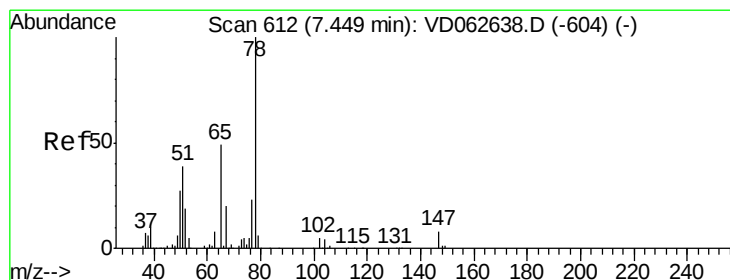
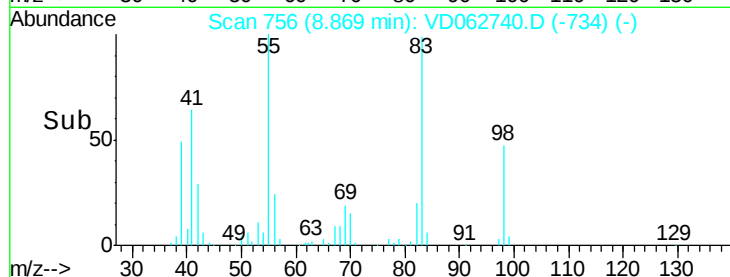
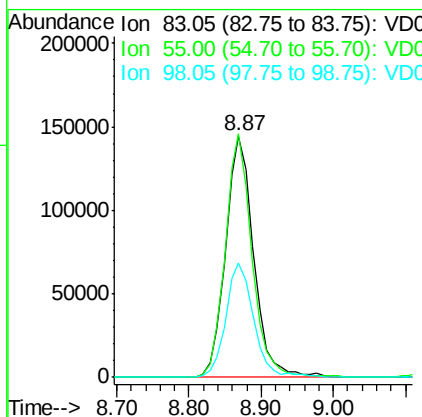
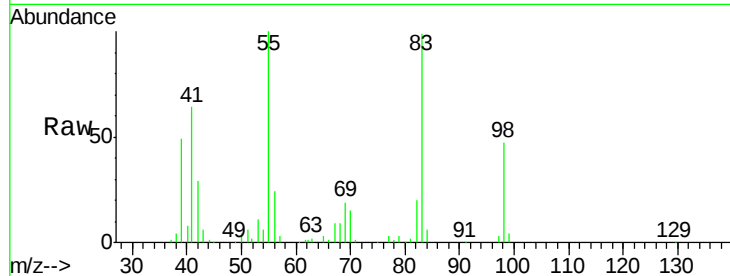
#39
Methvlcvclohexane
Concen: 50.459 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.8	84.6	127.0
98	47.3	38.2	57.4

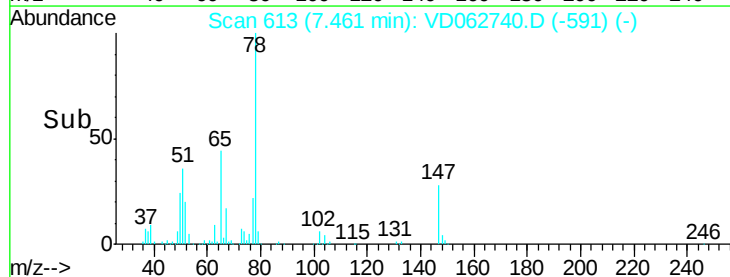
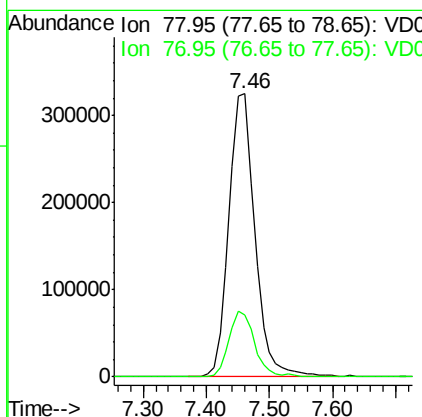
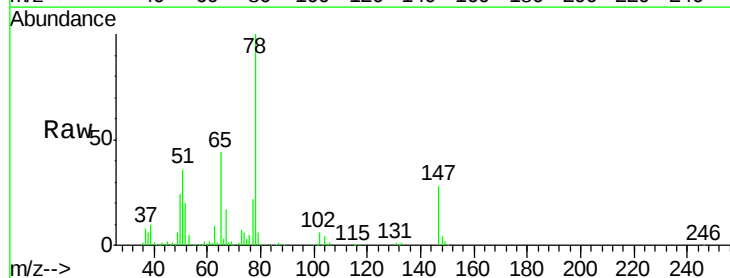
Manual Integrations
APPROVED

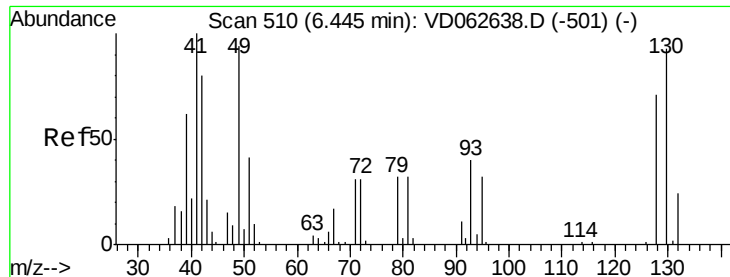
MMDadoda
6/19/2019 12:34:26 AM



#40
Benzene
Concen: 49.718 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.6	28.0





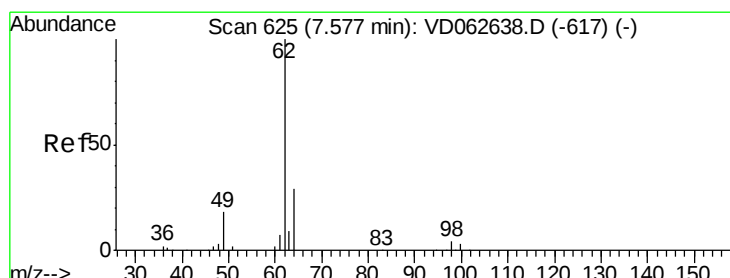
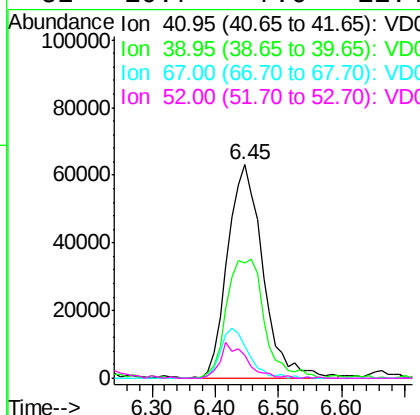
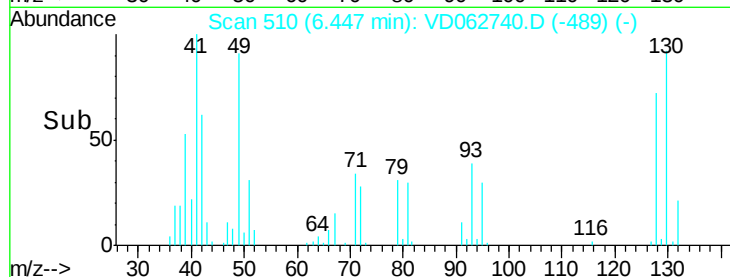
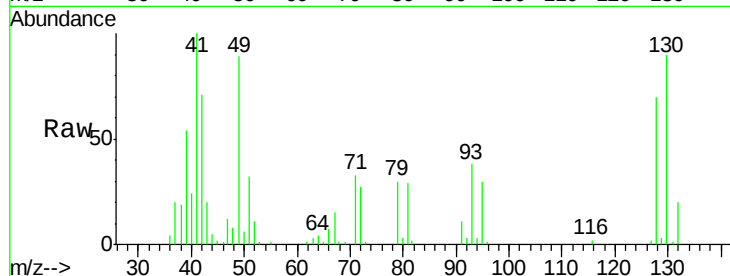
#41
Methacrylonitrile
Concen: 48.969 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	49.2	73.8
67	15.1	13.9	20.9
52	10.7	7.6	11.4

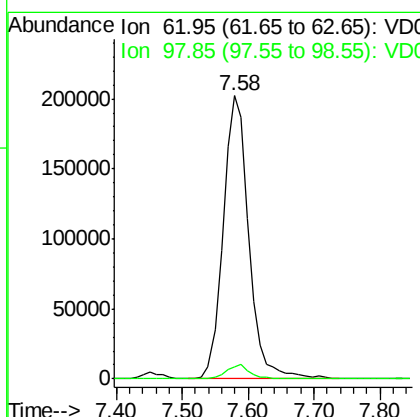
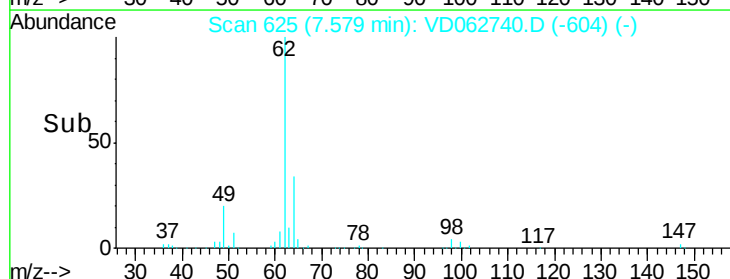
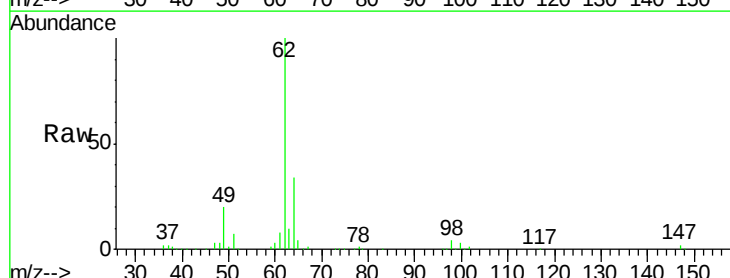
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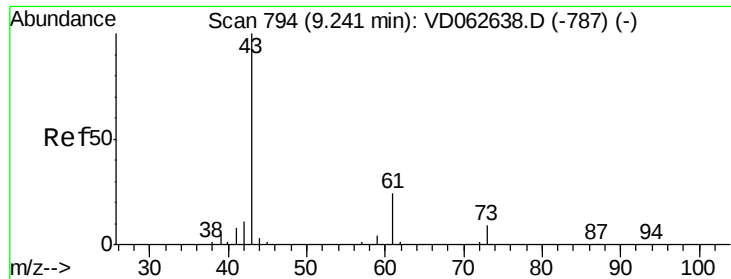
MMDadoda
6/19/2019 12:34:26 AM



#42
1,2-Dichloroethane
Concen: 49.271 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.1	0.0	7.4





#43

Isopropyl Acetate

Concen: 49.632 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

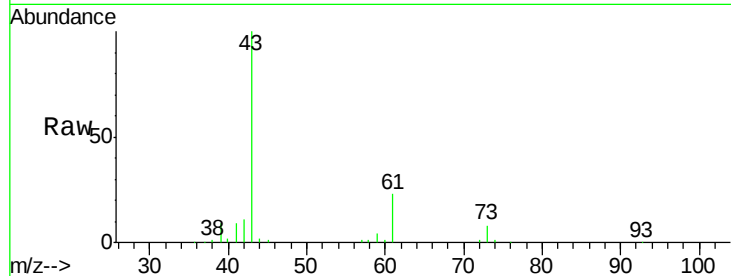
ClientSampleId :

VSTDCCC050EC

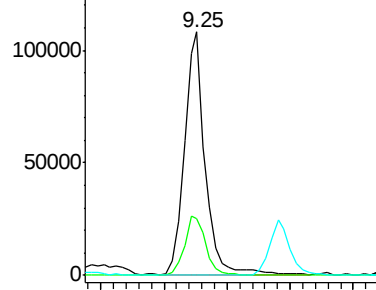
Tot Ion:	43	Resp:	250794
Ion	Ratio	Lower	Upper
43	100		
61	23.5	19.0	28.6
87	0.0	0.3	0.5

Manual Integrations
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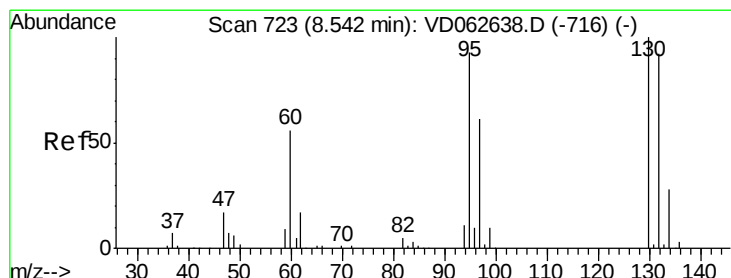
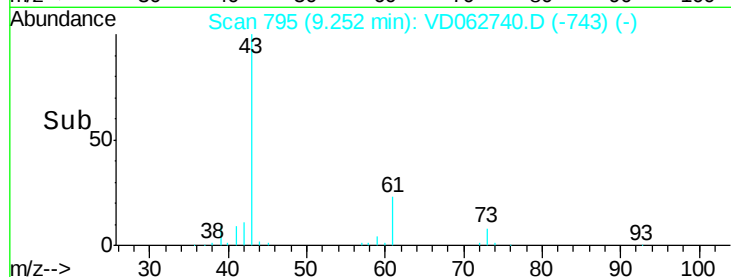
MMDadoda
6/19/2019 12:34:26 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



Time-->



#44

Trichloroethene

Concen: 49.239 ug/l

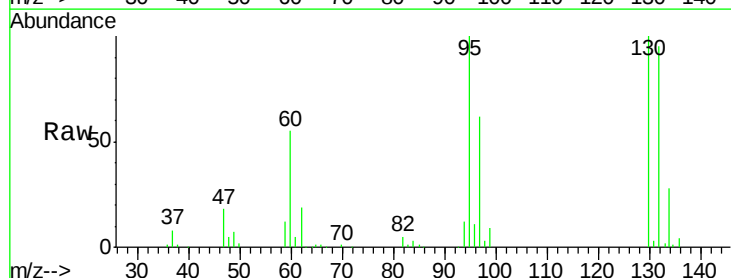
RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

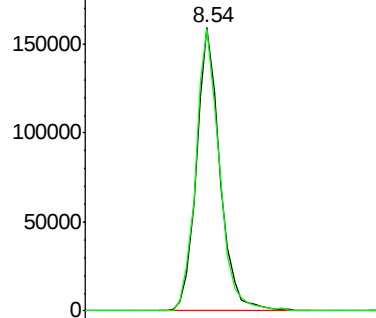
Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

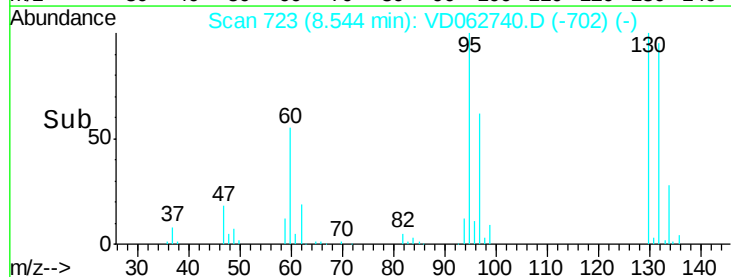
Tgt Ion:	130	Resp:	373858
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	185.6

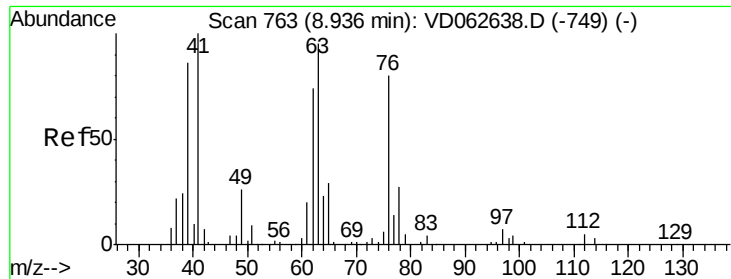


Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



Time-->





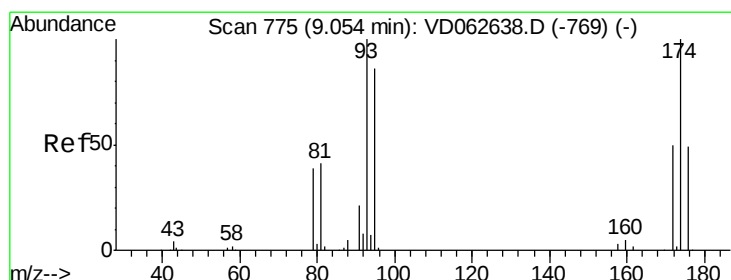
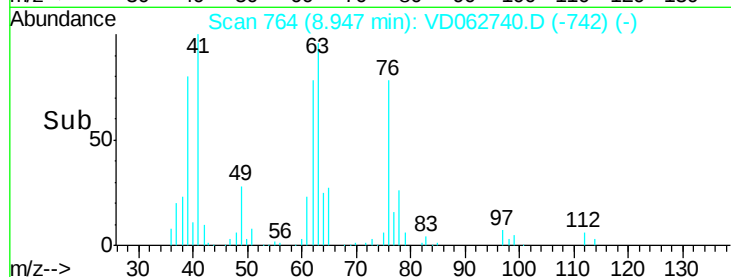
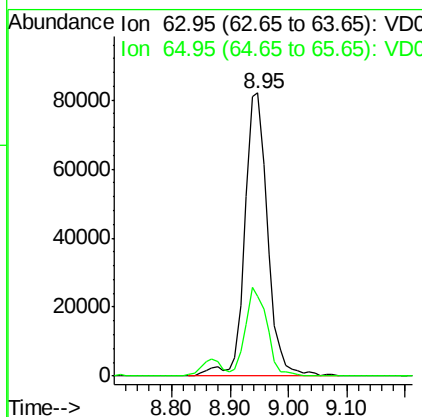
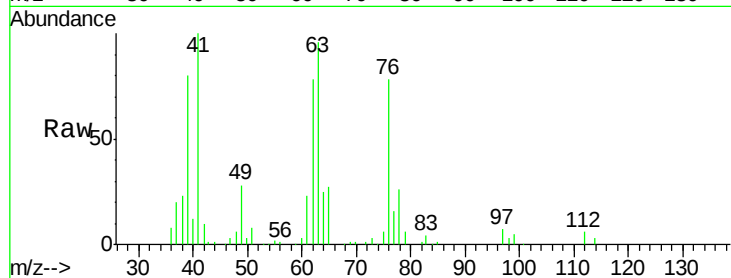
#45
1,2-Dichloropropane
Concen: 50.247 ug/l
RT: 8.95 min Scan# 764
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 225725
Ion Ratio Lower Upper
63 100
65 28.2 24.6 37.0

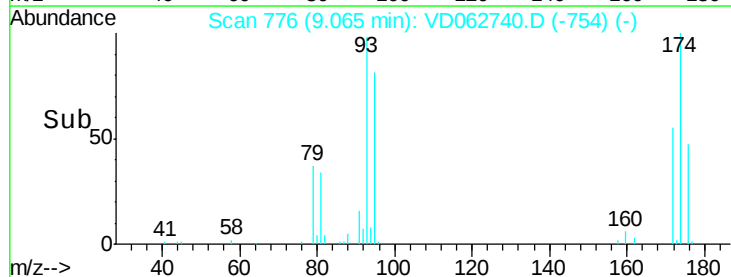
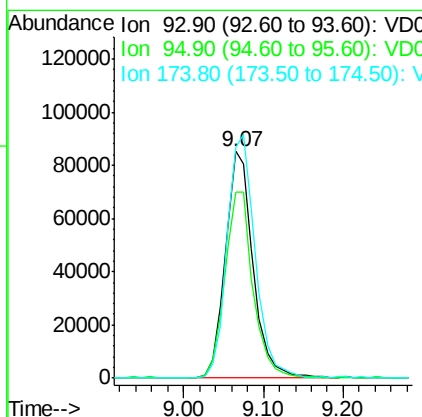
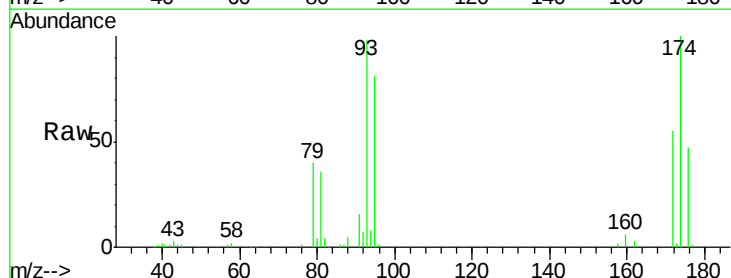
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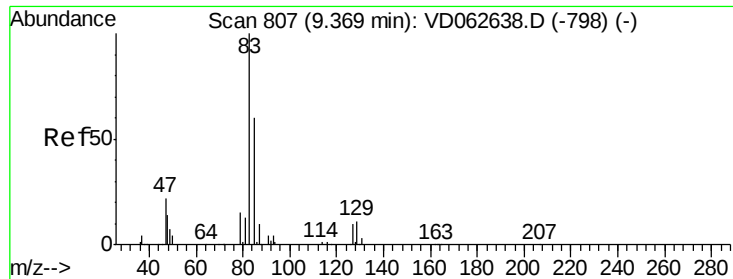
MMDadoda
6/19/2019 12:34:26 AM



#46
Dibromomethane
Concen: 52.164 ug/l
RT: 9.07 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 93 Resp: 208008
Ion Ratio Lower Upper
93 100
95 82.2 68.7 103.1
174 101.8 79.8 119.8





#47

Bromodichloromethane

Concen: 52.535 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

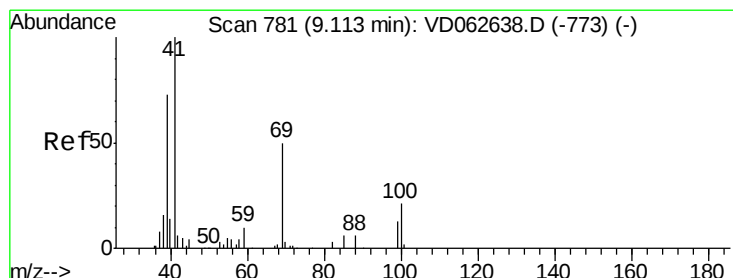
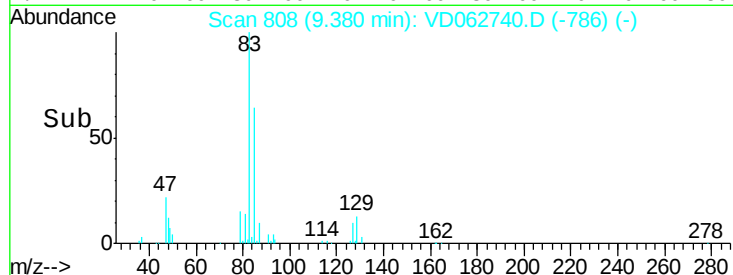
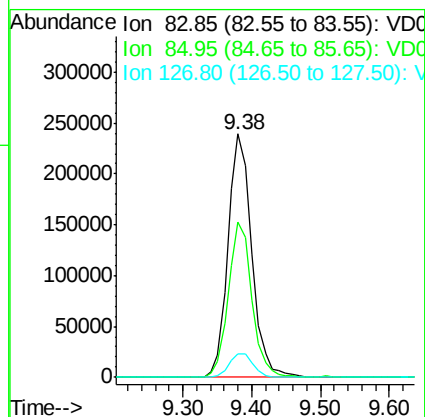
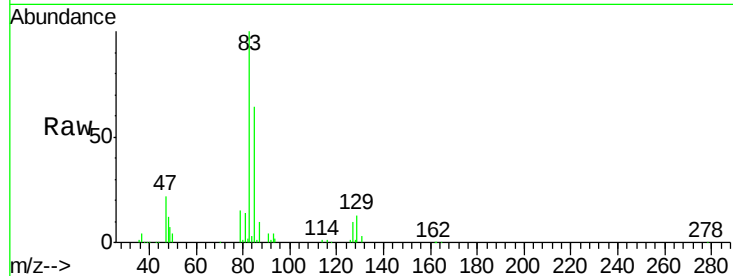
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	569857
Ion	Ratio	Lower	Upper
83	100		
85	63.7	47.9	71.9
127	9.5	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.091 ug/l

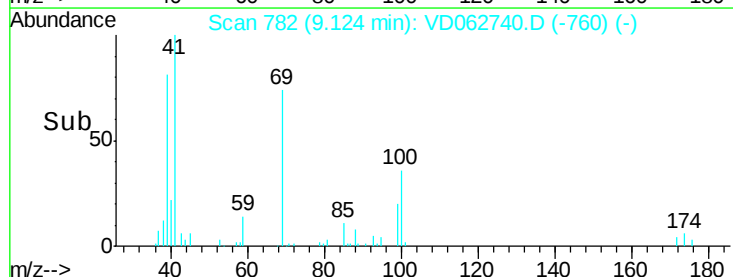
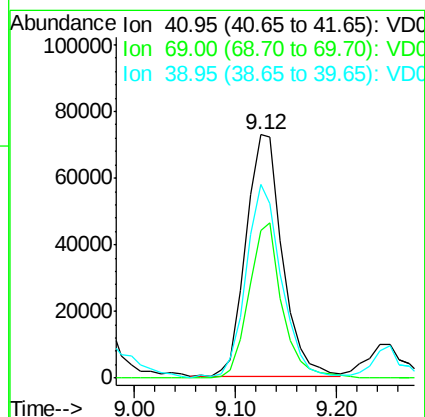
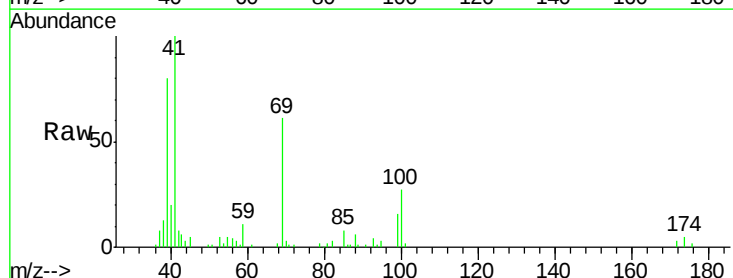
RT: 9.12 min Scan# 782

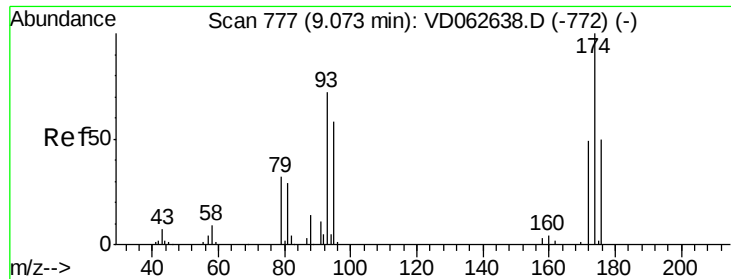
Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	41	Resp:	182860
Ion	Ratio	Lower	Upper
41	100		
69	60.8	39.8	59.6#
39	79.7	59.1	88.7





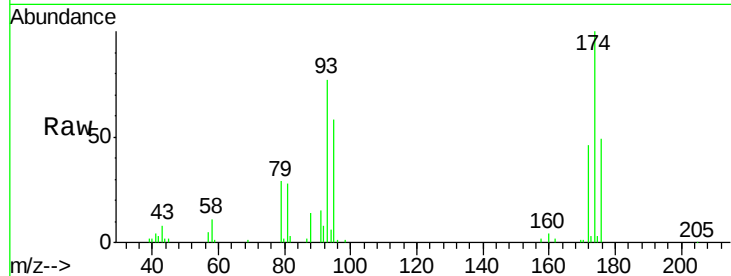
#49
1,4-Dioxane
Concen: 938.084 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

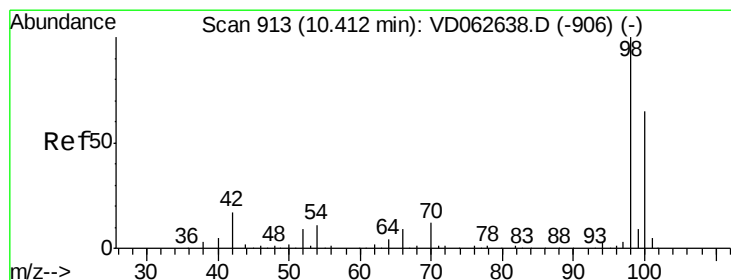
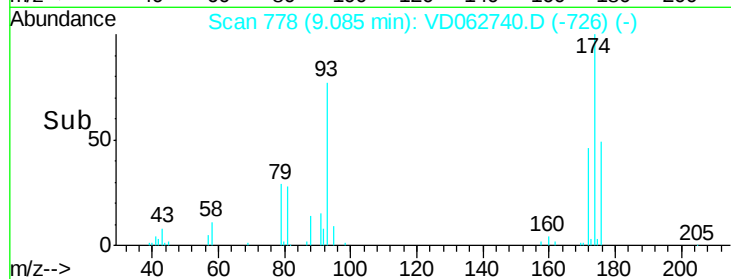
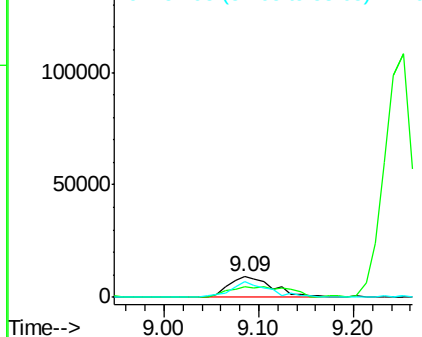
Tot Ion	Ratio	Lower	Upper
88	100		
43	55.3	40.7	61.1
58	76.1	54.2	81.4

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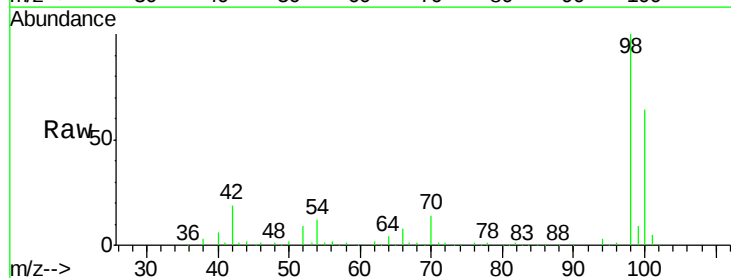


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

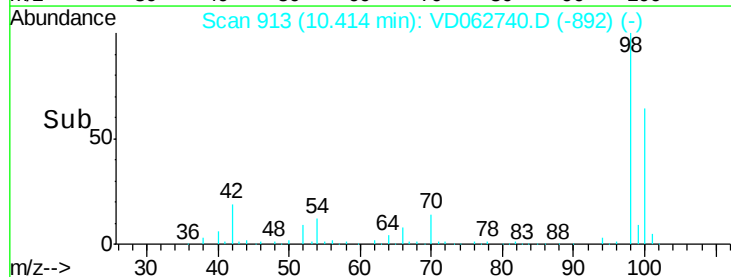
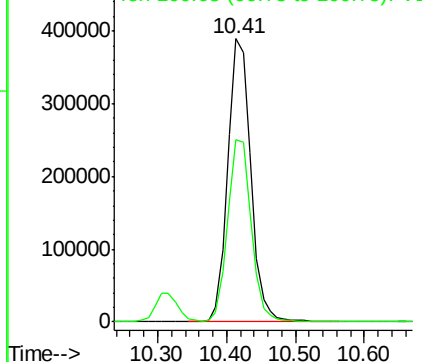


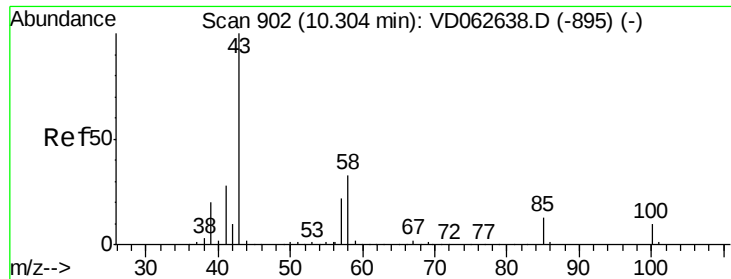
#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	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: 256.319 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 906277

Ion Ratio Lower Upper

43 100

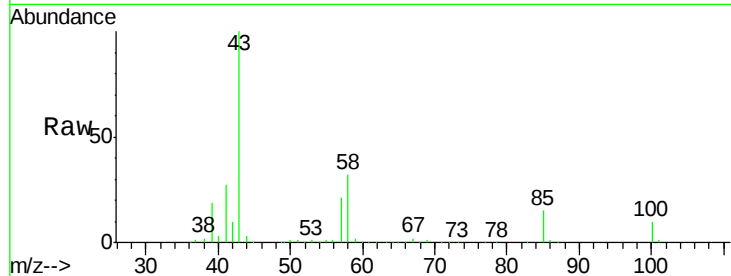
58 32.1 26.1 39.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

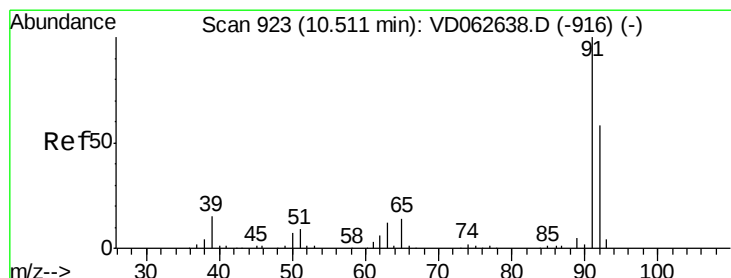
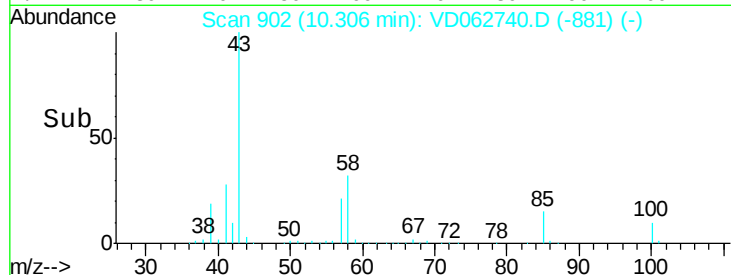
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.765 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062740.D

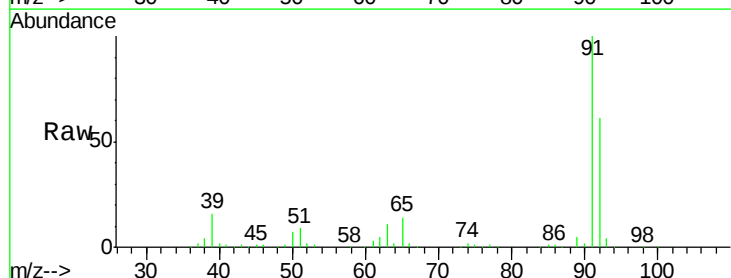
Acq: 17 Jun 2019 21:22

Tgt Ion: 92 Resp: 600479

Ion Ratio Lower Upper

92 100

91 162.9 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

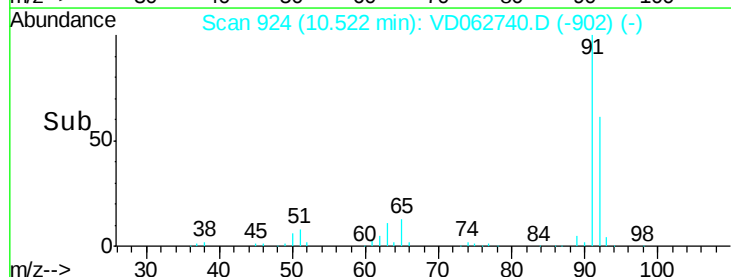
300000

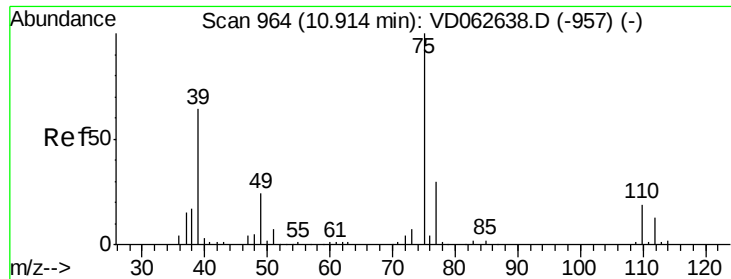
200000

100000

0

Time-->





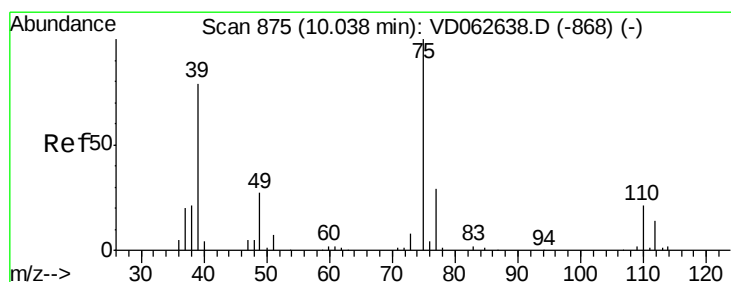
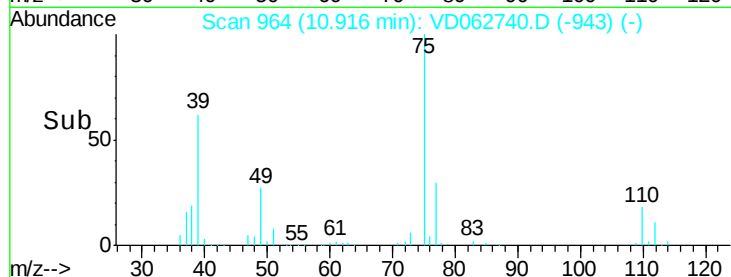
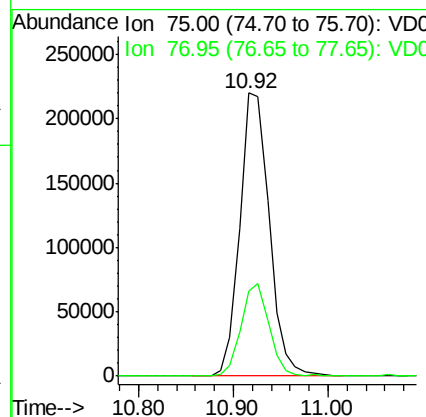
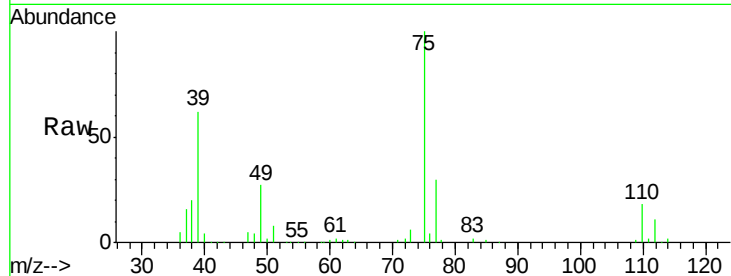
#53
t-1,3-Dichloropropene
Concen: 53.504 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 475839
Ion Ratio Lower Upper
75 100
77 30.1 24.1 36.1

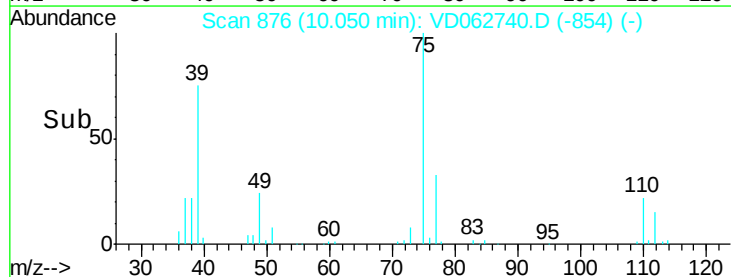
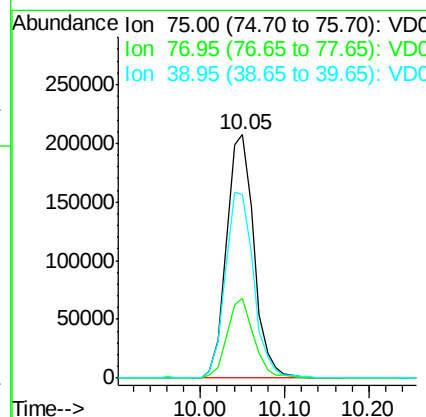
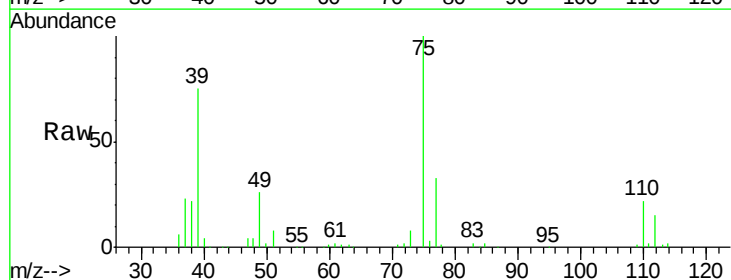
Manual Integrations
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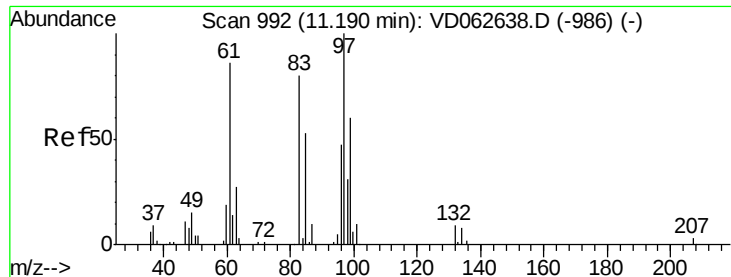
MMDadoda
6/19/2019 12:34:26 AM



#54
cis-1,3-Dichloropropene
Concen: 50.952 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 75 Resp: 468346
Ion Ratio Lower Upper
75 100
77 33.0 23.1 34.7
39 75.2 63.4 95.2





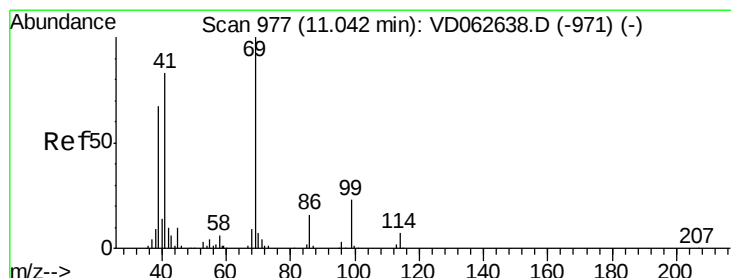
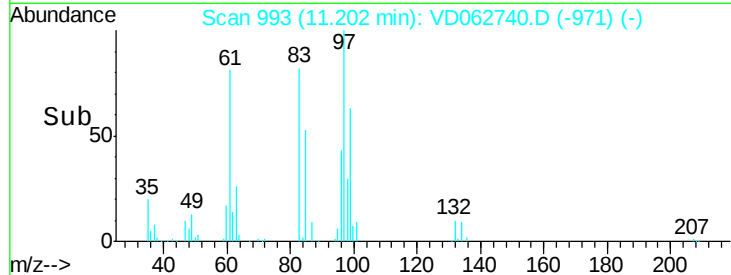
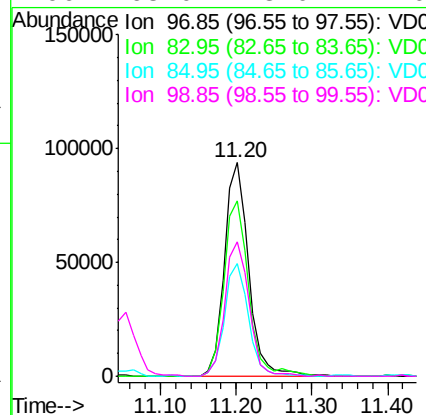
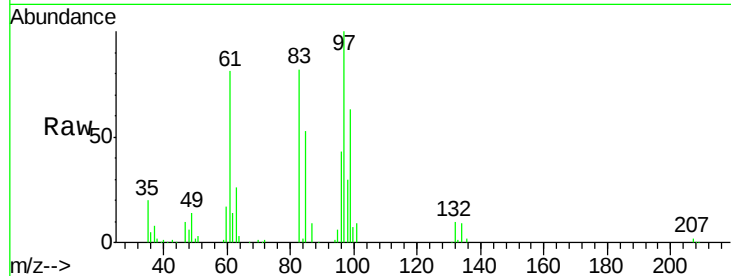
#55
1,1,2-Trichloroethane
Concen: 48.464 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	208942		
83	81.8	63.8	95.8	
85	52.5	42.3	63.5	
99	63.0	48.0	72.0	

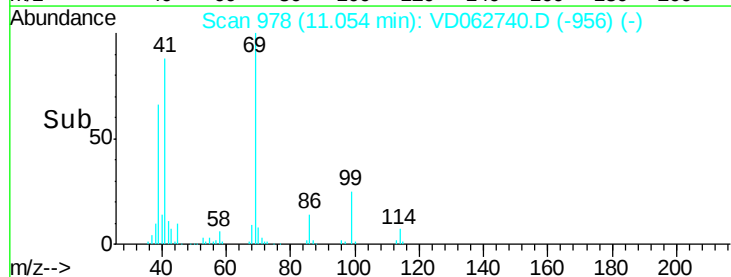
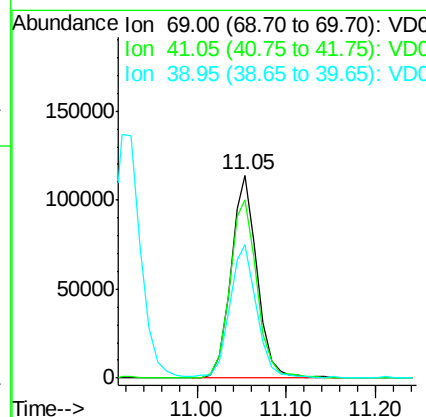
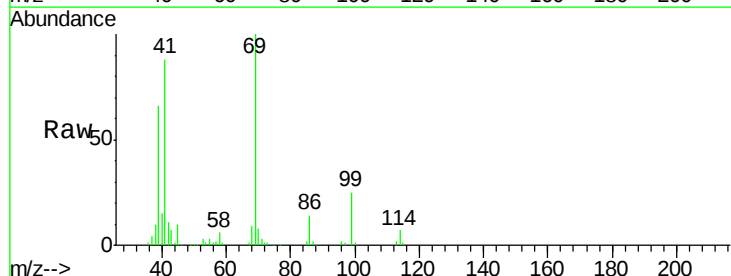
Manual Integrations
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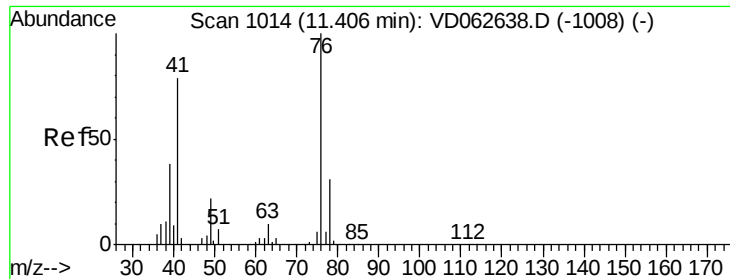
MMDadoda
6/19/2019 12:34:26 AM



#56
Ethyl methacrylate
Concen: 45.352 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	233519		
41	87.8	66.2	99.4	
39	65.6	53.8	80.8	





#57

1,3-Dichloropropane

Concen: 51.479 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 343989

Ion Ratio Lower Upper

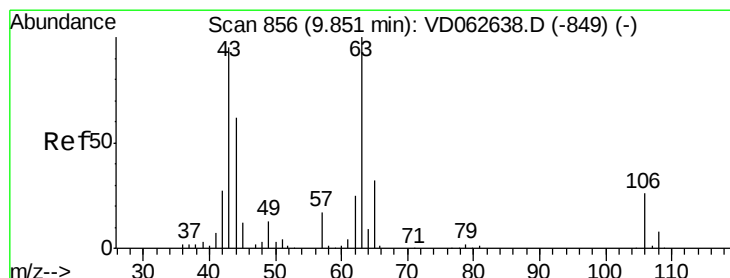
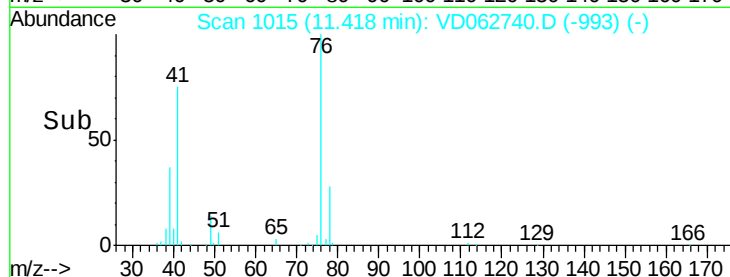
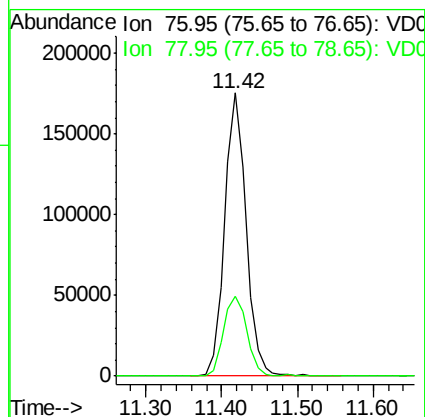
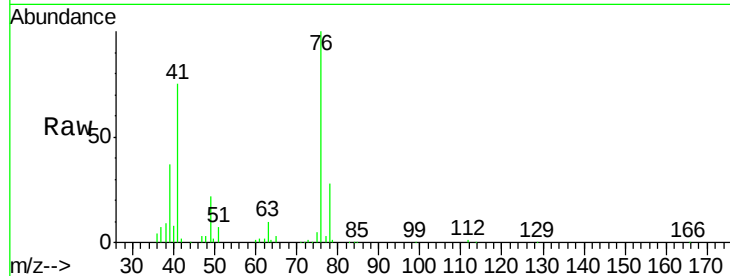
76 100

78 28.2 24.9 37.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 226.876 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062740.D

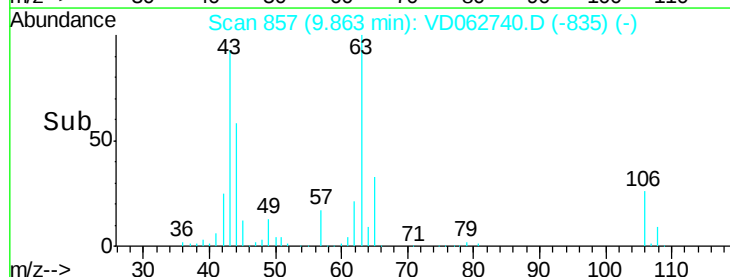
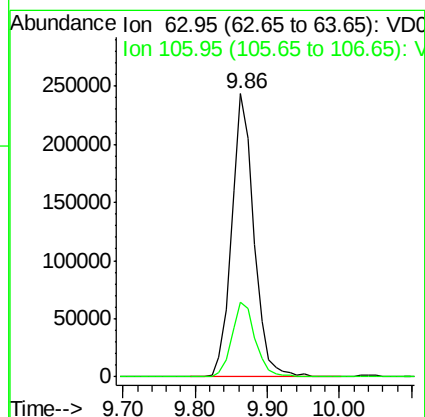
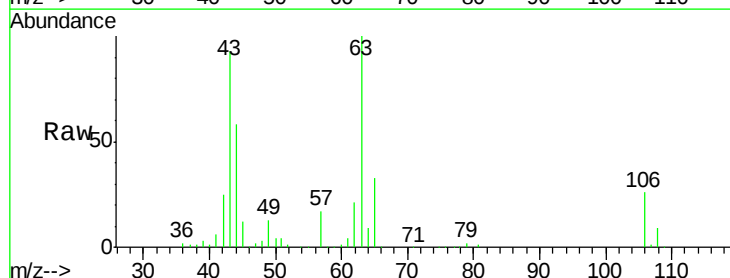
Acq: 17 Jun 2019 21:22

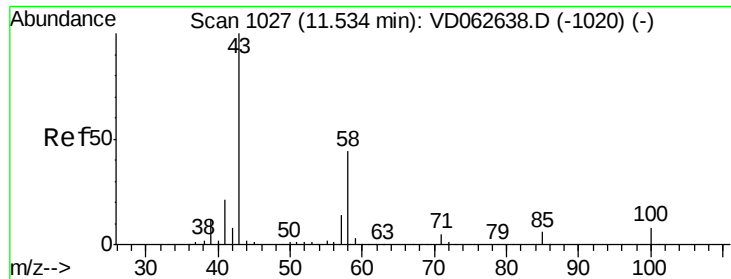
Tgt Ion: 63 Resp: 522782

Ion Ratio Lower Upper

63 100

106 26.2 20.5 30.7





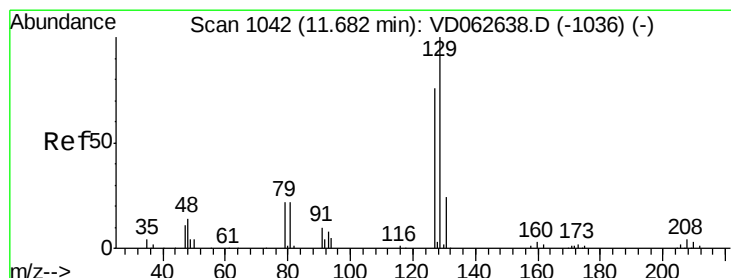
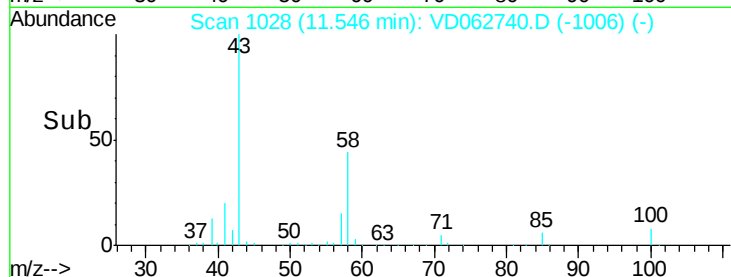
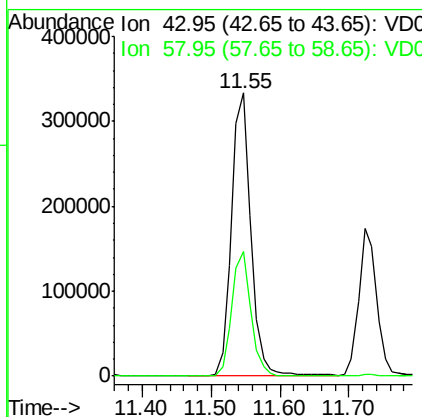
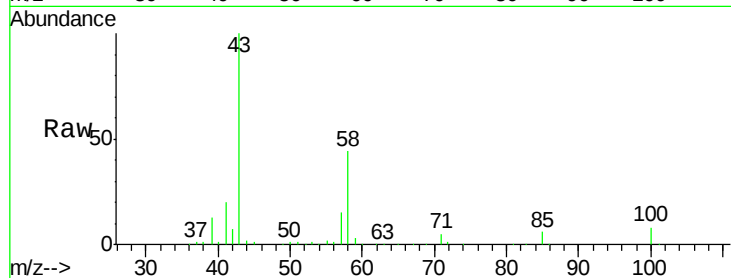
#59
2-Hexanone
Concen: 247.139 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 649998
Ion Ratio Lower Upper
43 100
58 44.0 21.8 65.4

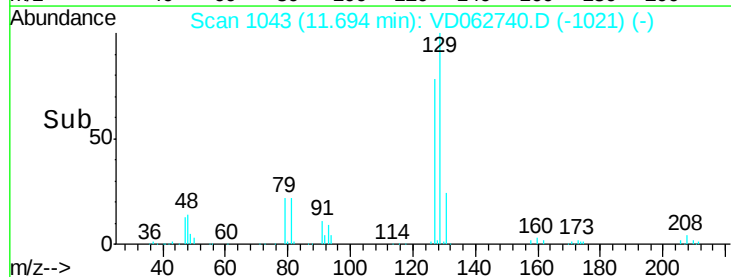
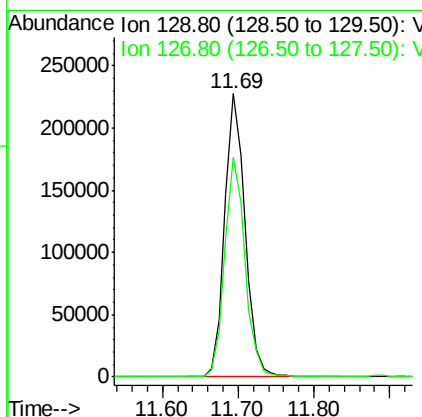
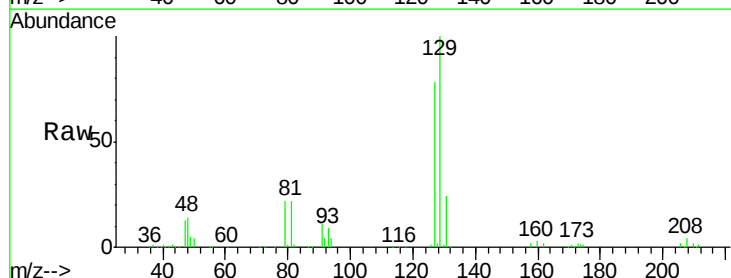
Manual Integrations
APPROVED

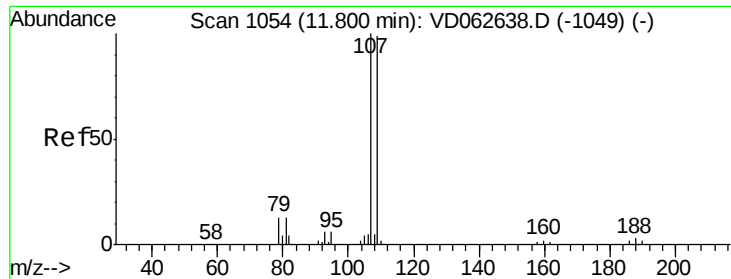
MMDadoda
6/19/2019 12:34:26 AM



#60
Dibromochloromethane
Concen: 49.965 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 129 Resp: 425232
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1





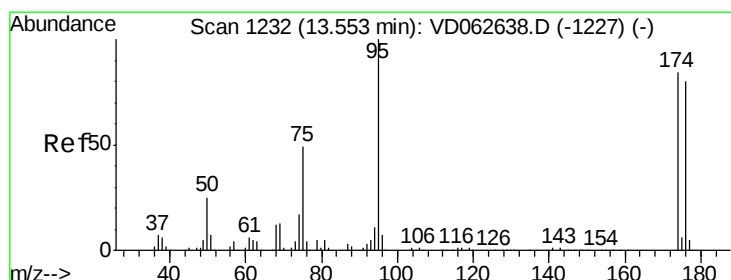
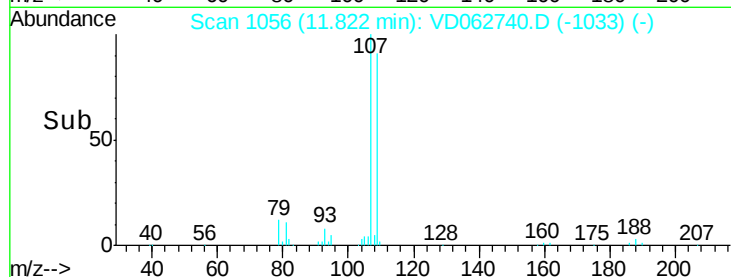
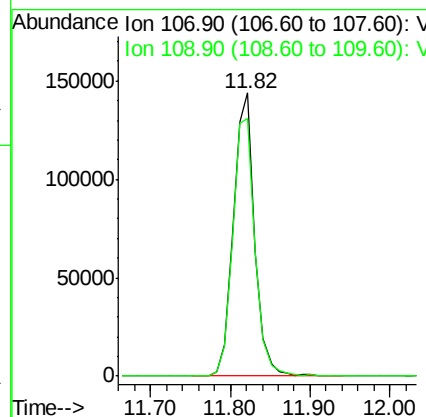
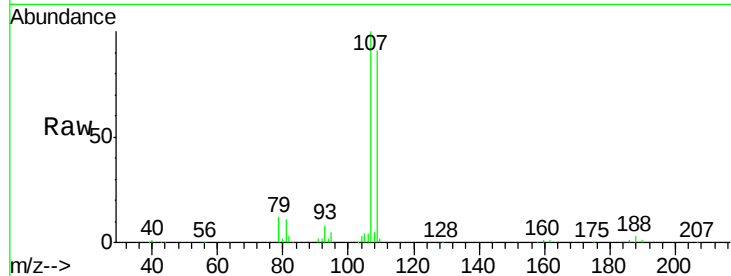
#61
 1,2-Dibromoethane
 Concen: 52.076 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.0	79.2	118.8

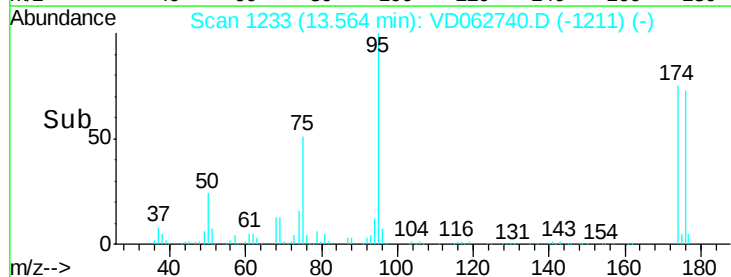
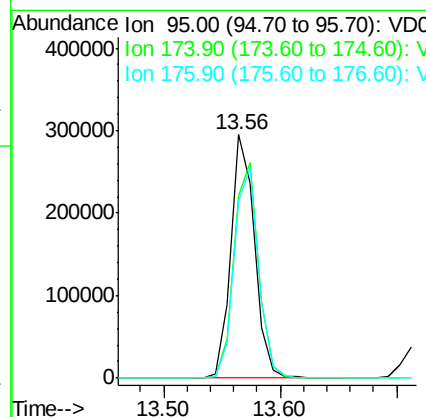
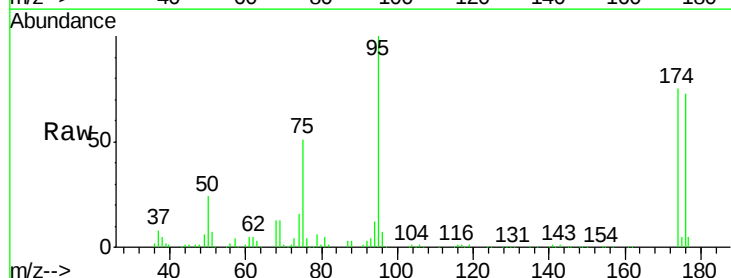
Manual Integrations
 APPROVED

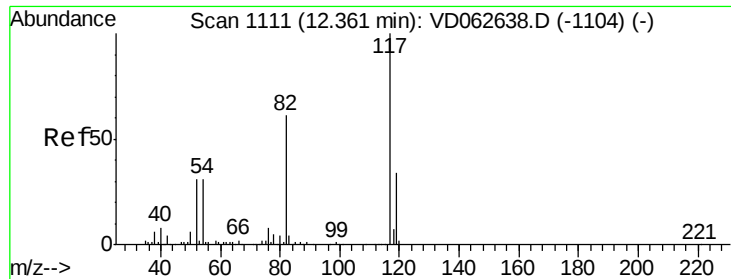
MMDadoda
 6/19/2019 12:34:26 AM



#62
 4-Bromofluorobenzene
 Concen: 47.843 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	167.0
176	72.9	0.0	159.2





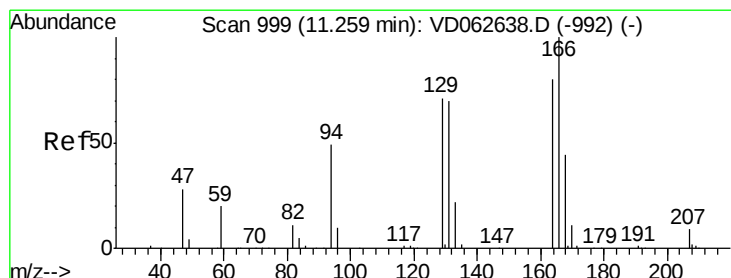
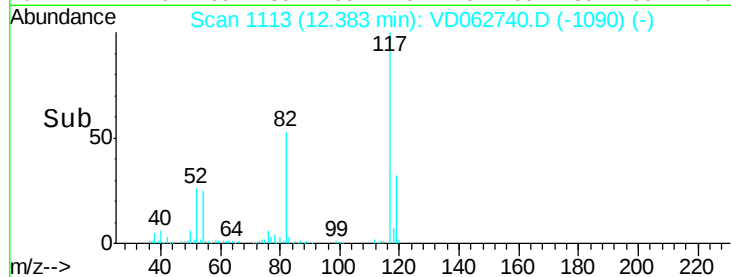
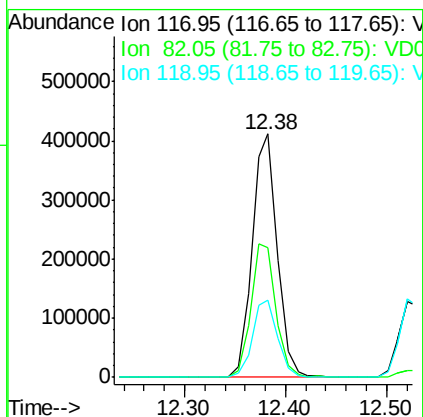
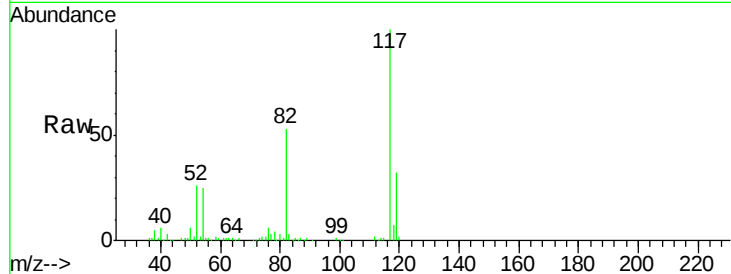
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	48.7	73.1
119	31.9	27.0	40.6

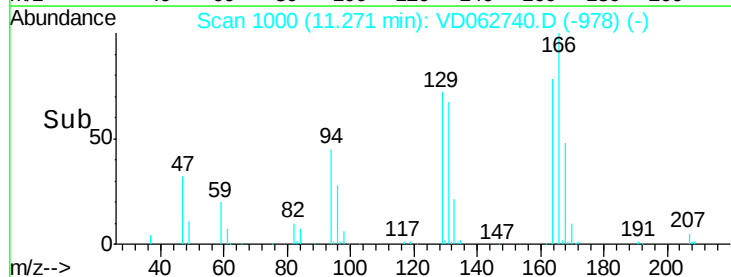
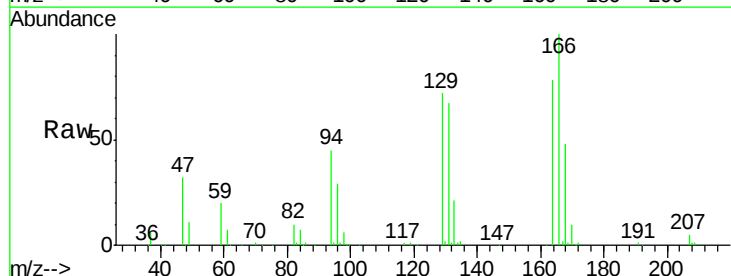
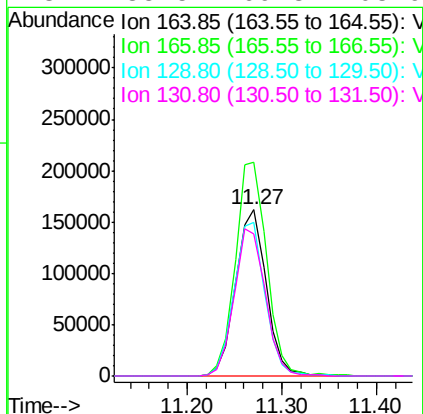
Manual Integrations
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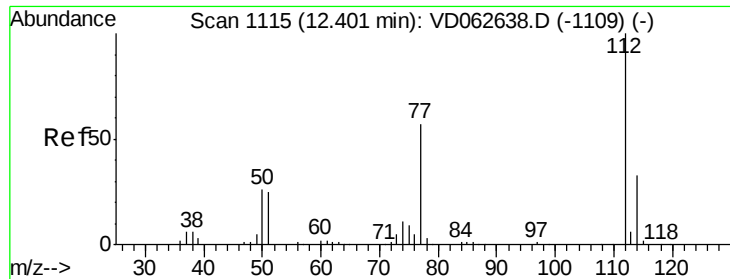
MMDadoda
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#64
Tetrachloroethene
Concen: 54.628 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	99.4	149.2
129	92.2	70.2	105.4
131	85.5	69.3	103.9





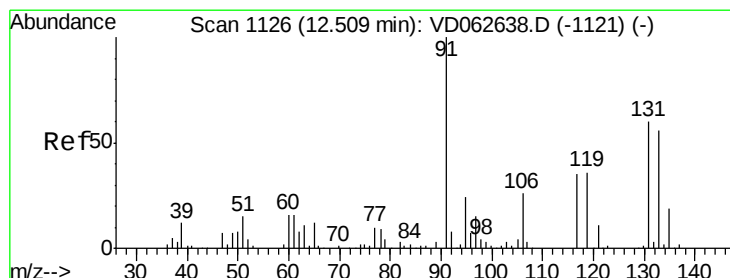
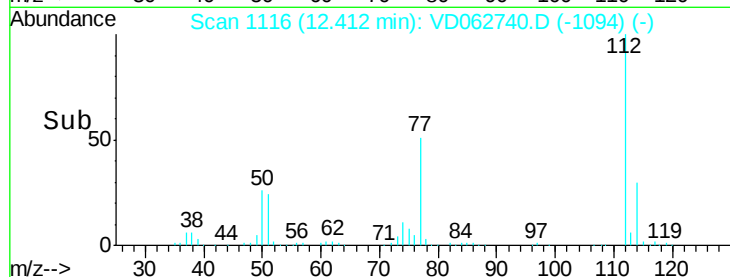
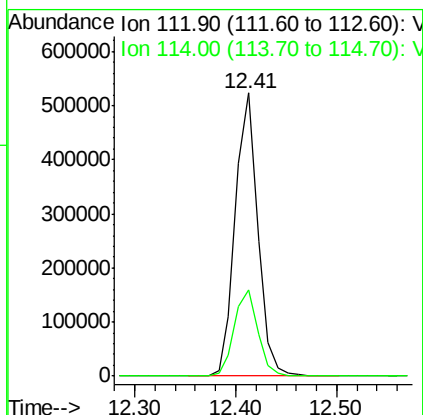
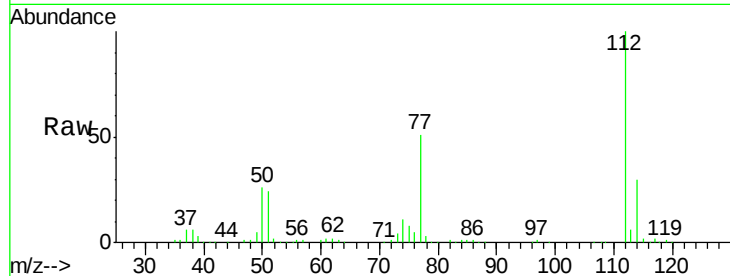
#65
Chlorobenzene
Concen: 51.541 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 811489
Ion Ratio Lower Upper
112 100
114 30.4 26.3 39.5

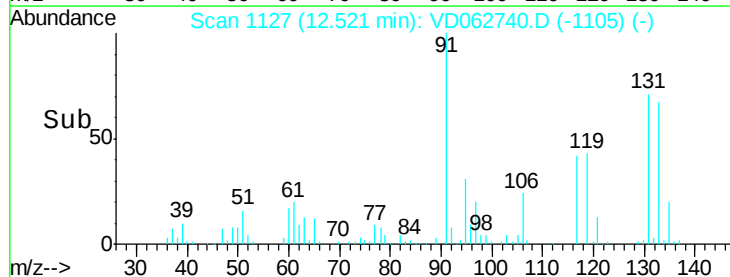
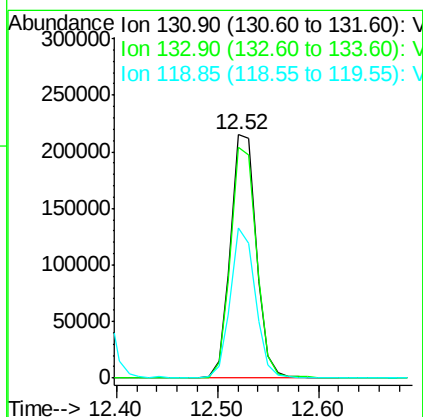
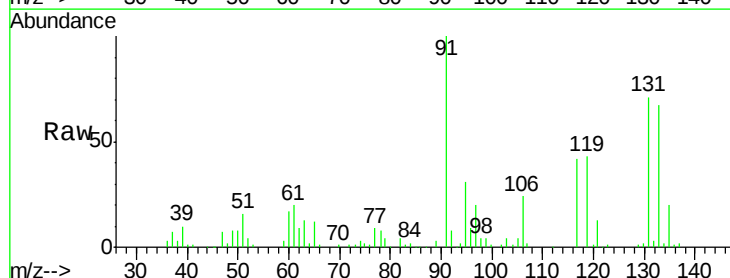
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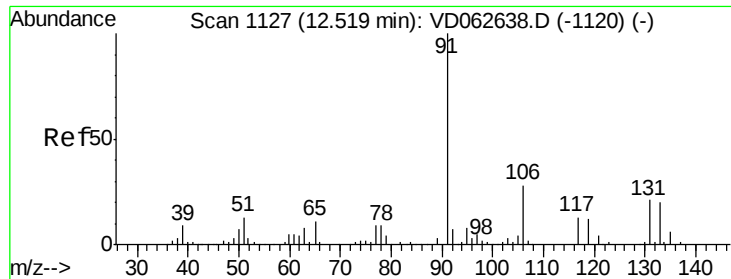
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.094 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:131 Resp: 383666
Ion Ratio Lower Upper
131 100
133 95.0 46.8 140.3
119 61.5 29.9 89.8





#67

Ethyl Benzene

Concen: 51.222 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1429876

Ion Ratio Lower Upper

91 100

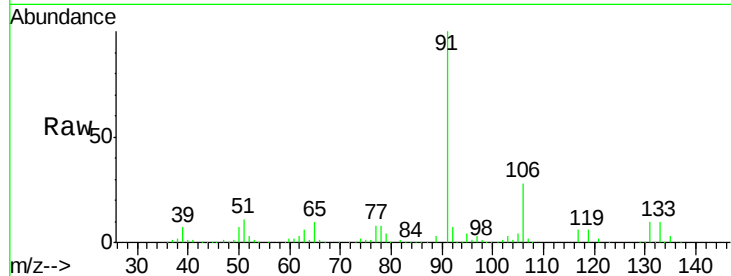
106 27.9 22.1 33.1

Manual Integrations

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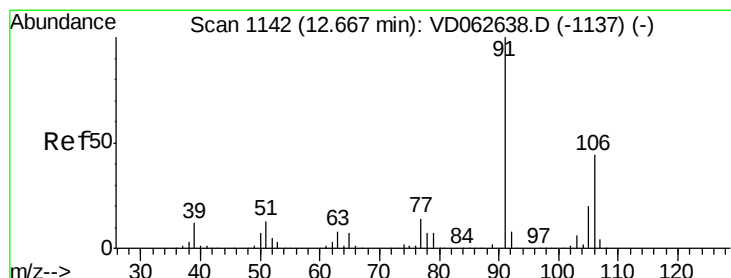
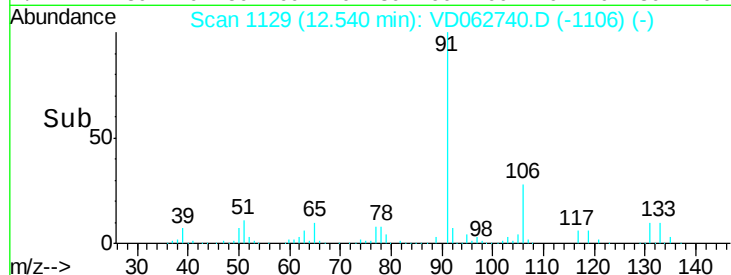
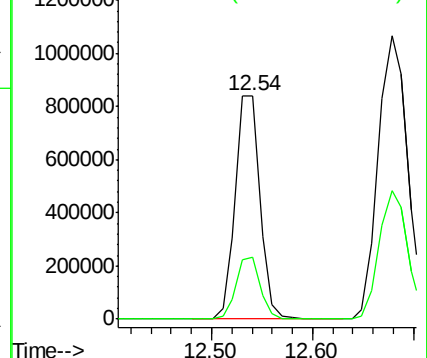
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 97.229 ug/l

RT: 12.68 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD062740.D

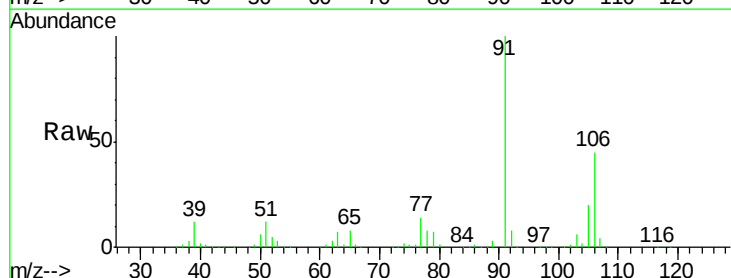
Acq: 17 Jun 2019 21:22

Tgt Ion: 106 Resp: 954177

Ion Ratio Lower Upper

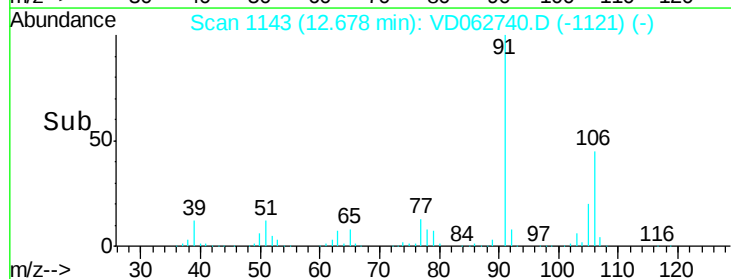
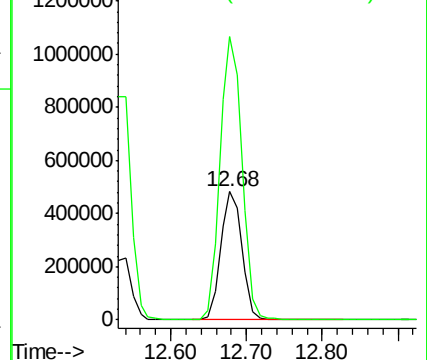
106 100

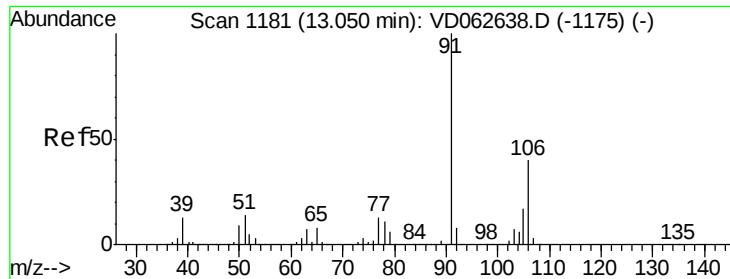
91 220.9 180.2 270.4



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





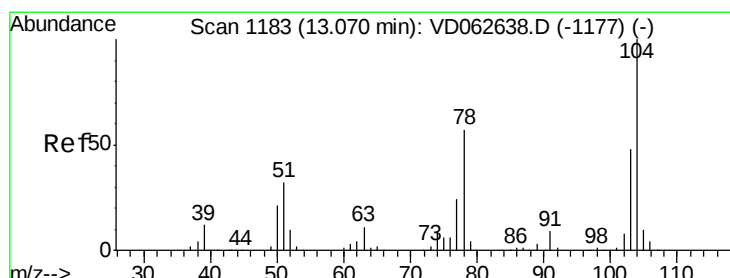
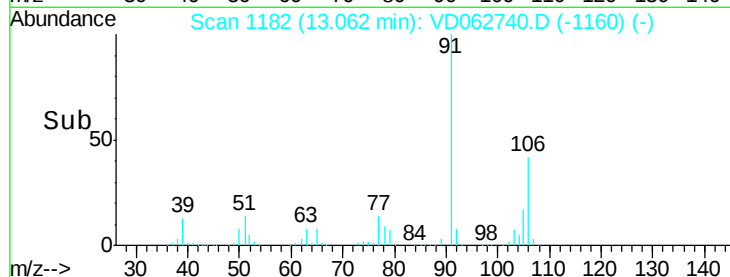
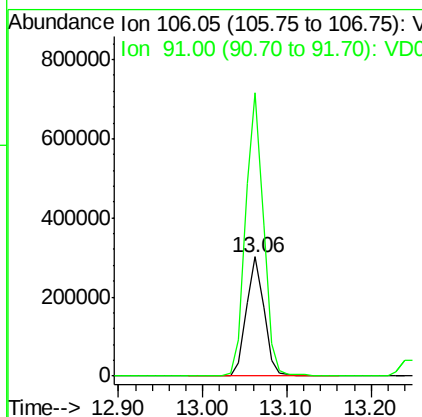
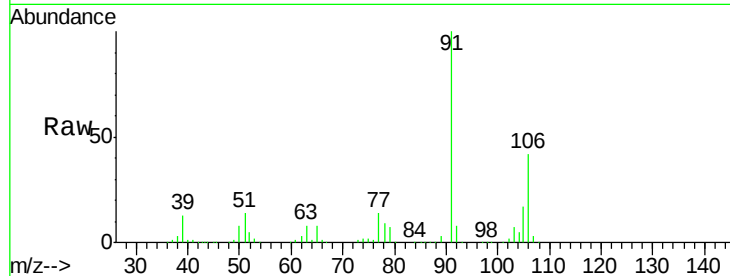
#69
o-Xylene
Concen: 49.352 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 444809
Ion Ratio Lower Upper
106 100
91 237.9 124.1 372.1

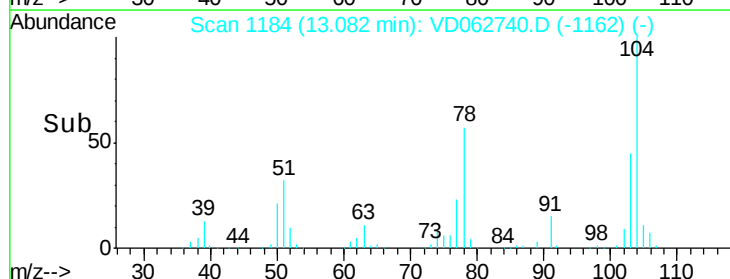
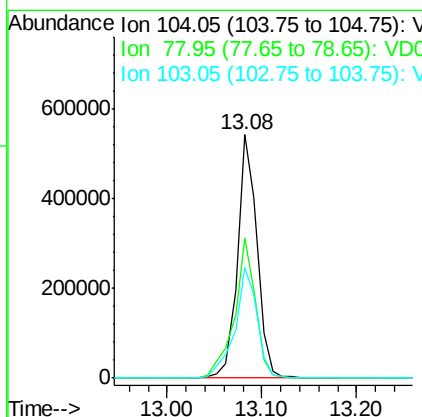
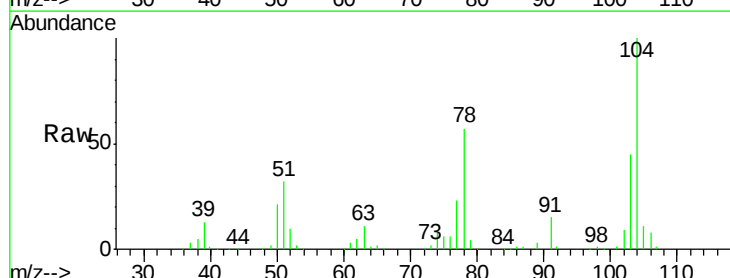
Manual Integrations
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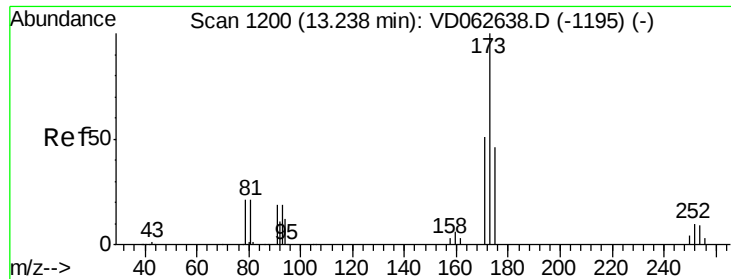
MMDadoda
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#70
Styrene
Concen: 48.178 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:104 Resp: 774786
Ion Ratio Lower Upper
104 100
78 57.4 45.9 68.9
103 45.1 38.4 57.6





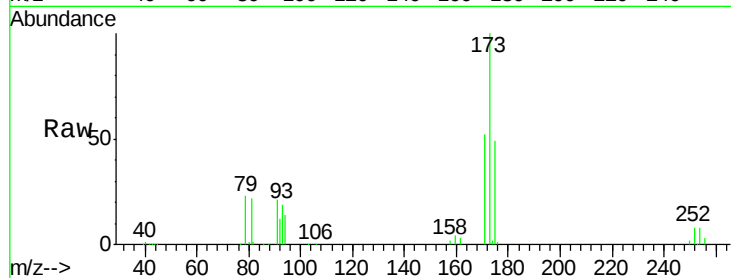
#71
Bromoform
Concen: 47.966 ug/l
RT: 13.25 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	22.9	68.7
254	8.2	7.0	10.4

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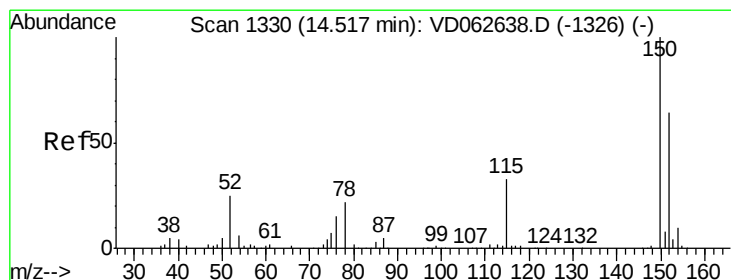
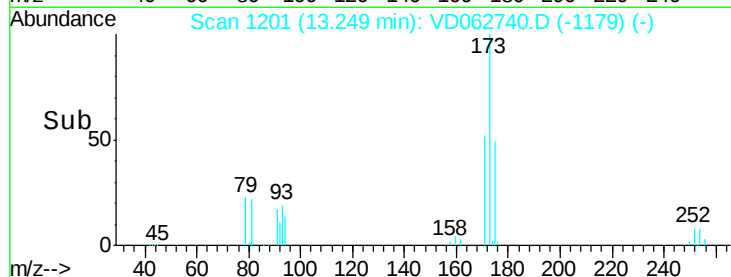
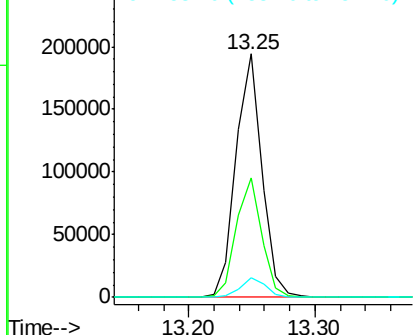


Abundance

Ion 172.80 (172.50 to 173.50): V

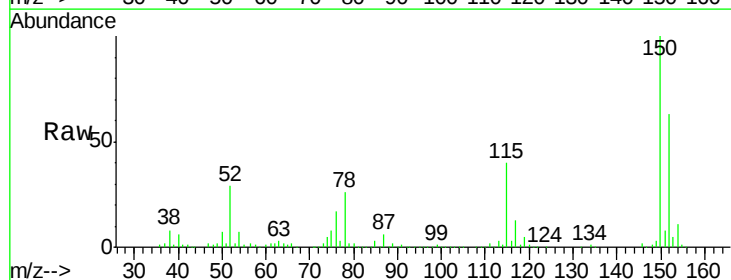
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	30.1	90.5
150	158.1	0.0	314.0

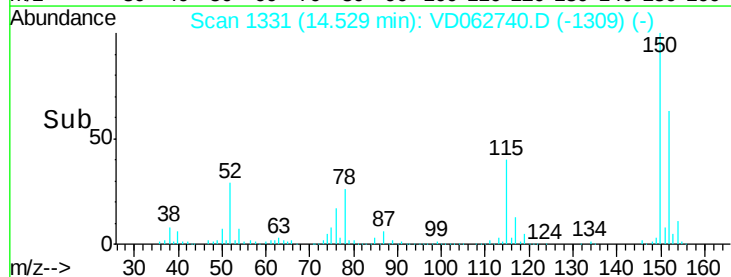
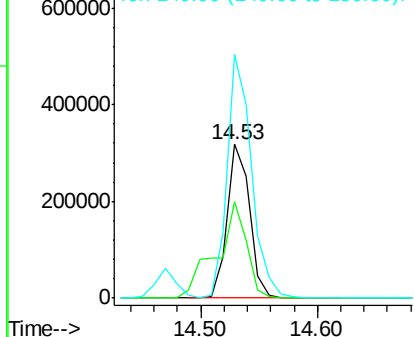


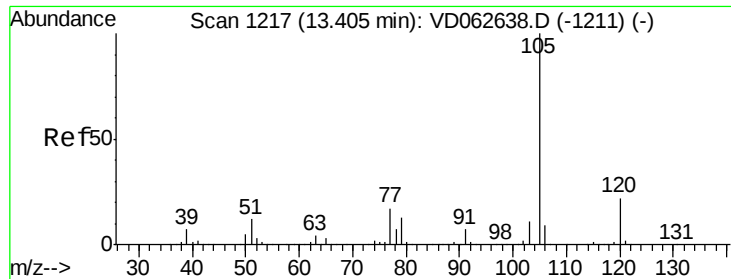
Abundance

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: 51.442 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1532935

Ion Ratio Lower Upper

105 100

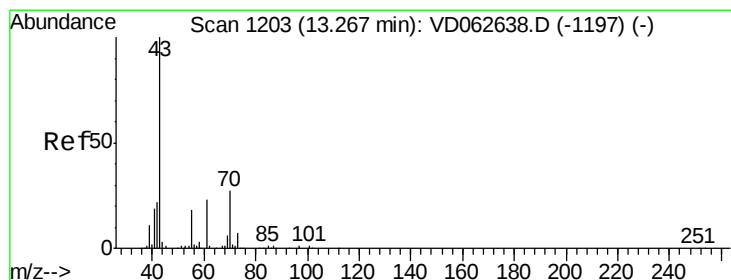
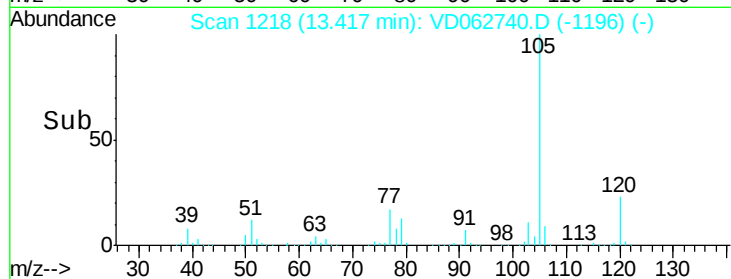
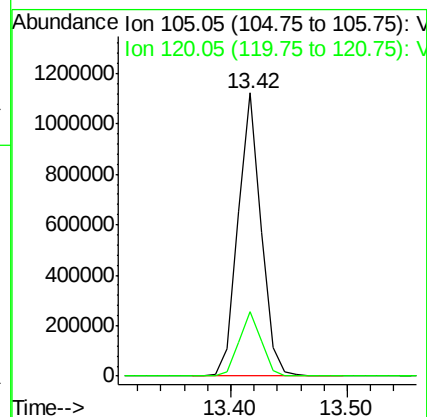
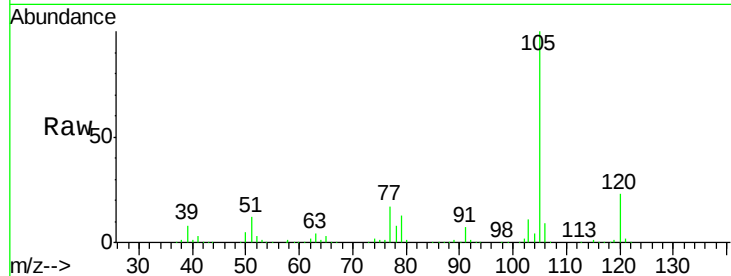
120 22.6 10.9 32.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.709 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion: 43 Resp: 376168

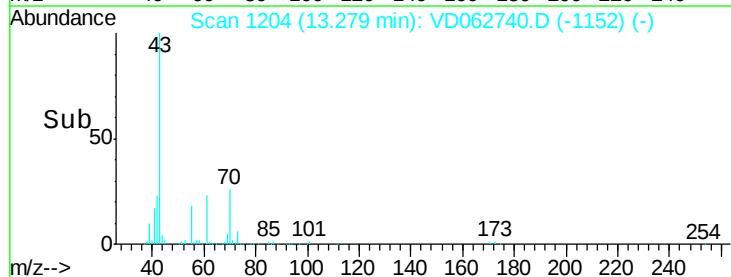
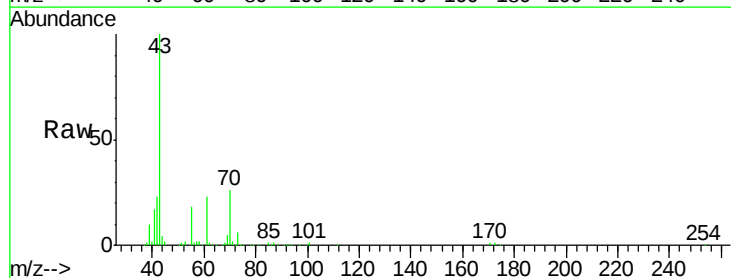
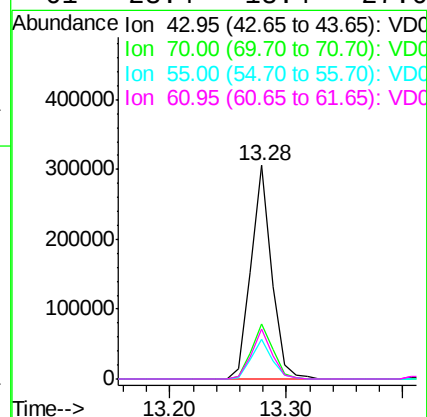
Ion Ratio Lower Upper

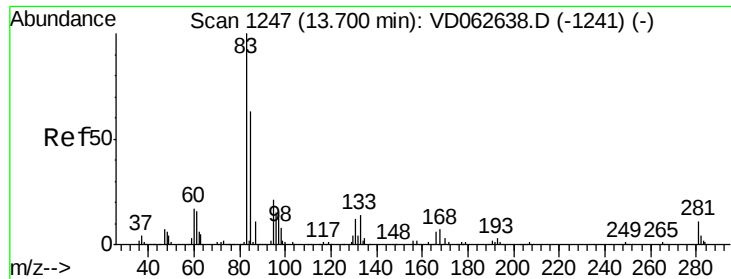
43 100

70 25.8 21.8 32.8

55 18.3 14.6 21.8

61 23.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.368 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

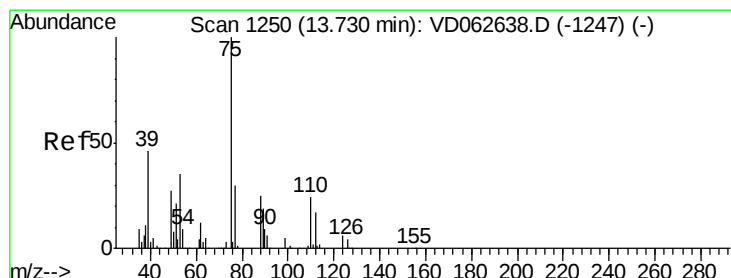
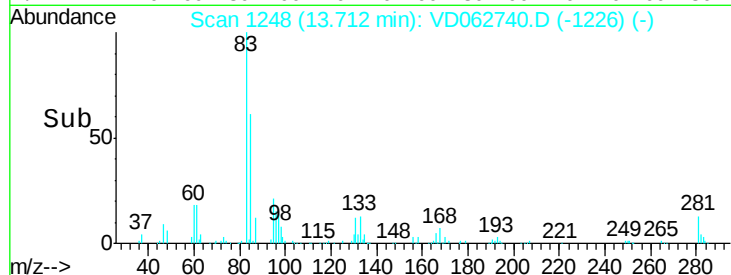
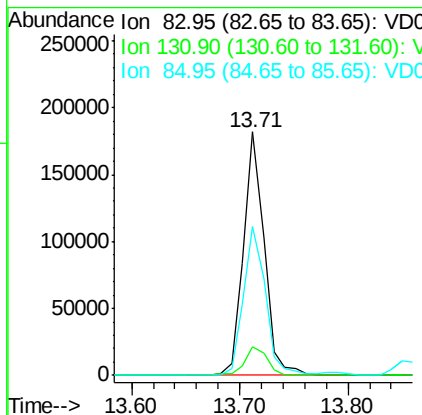
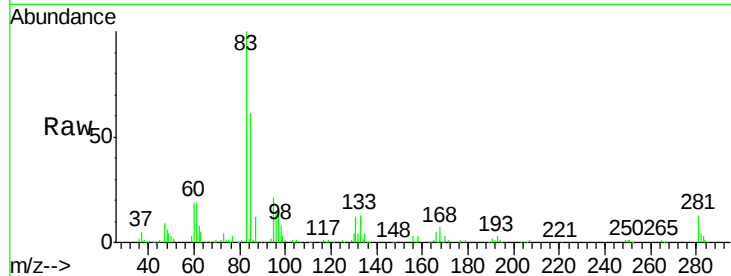
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	241521
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.9	17.7
85	61.3	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 47.353 ug/l

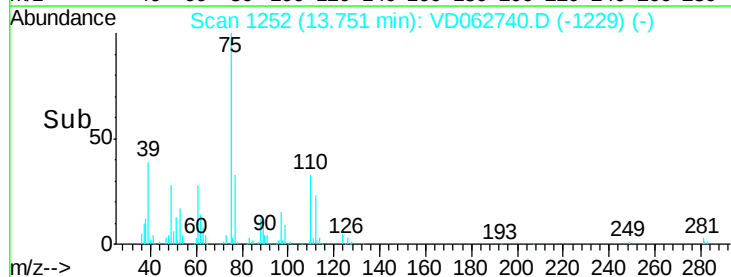
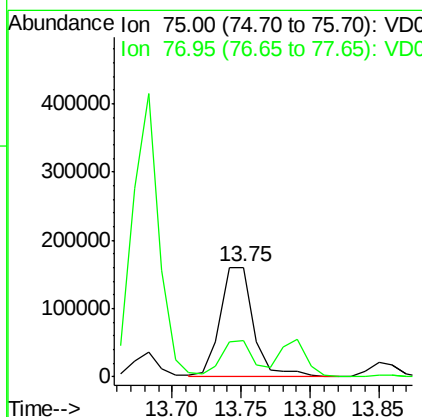
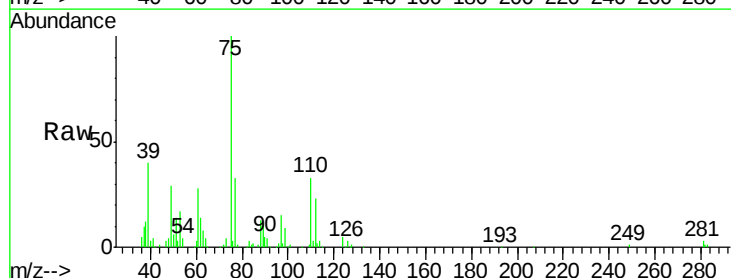
RT: 13.75 min Scan# 1252

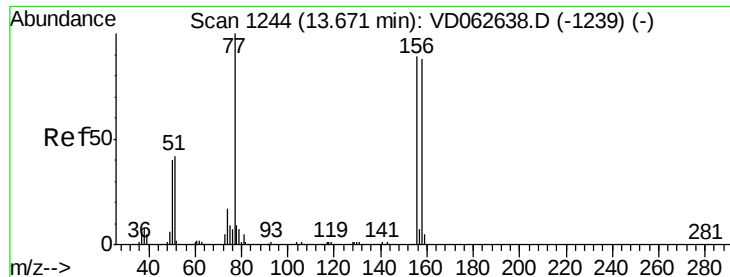
Delta R.T. 0.02 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	75	Resp:	271446
Ion Ratio	Lower	Upper	
75	100		
77	33.2	16.2	48.6





#77

Bromobenzene

Concen: 49.724 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 423505

Ion Ratio Lower Upper

156 100

77 123.1 56.3 168.8

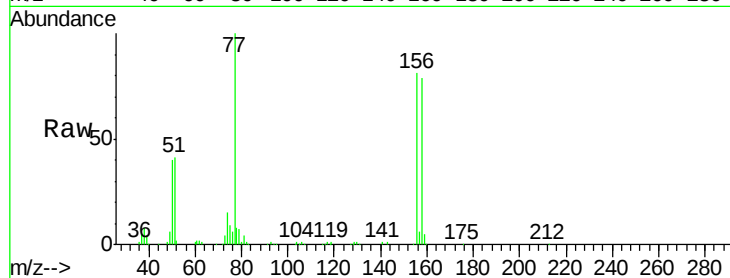
158 97.3 49.6 148.8

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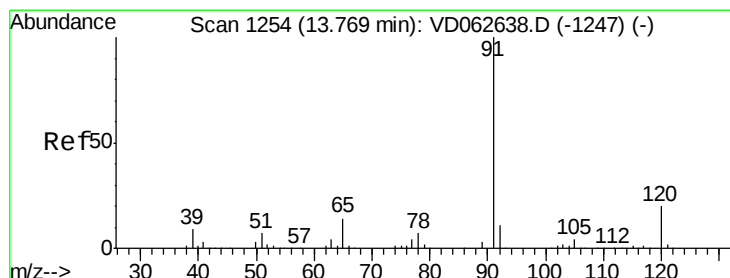
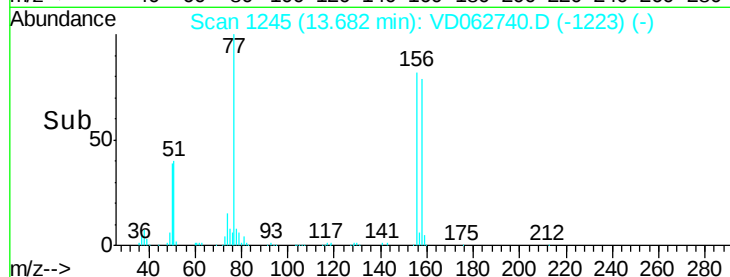
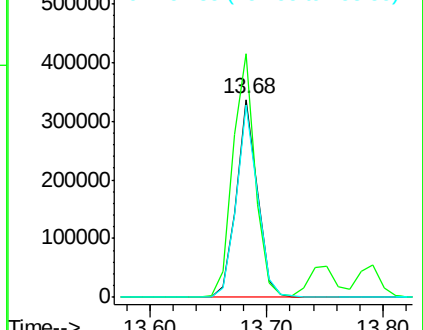
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.697 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062740.D

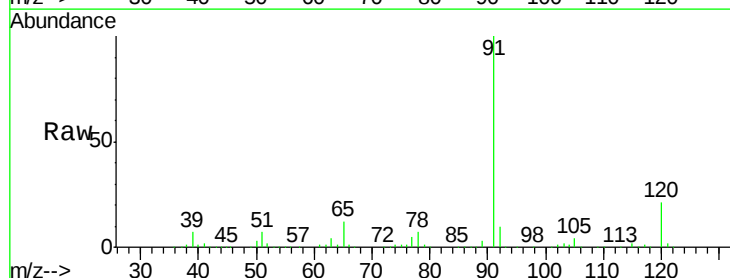
Acq: 17 Jun 2019 21:22

Tgt Ion: 91 Resp: 1703314

Ion Ratio Lower Upper

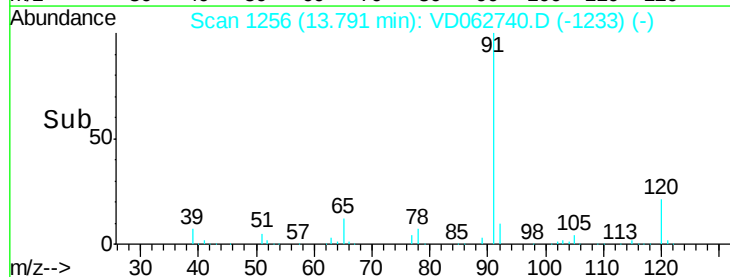
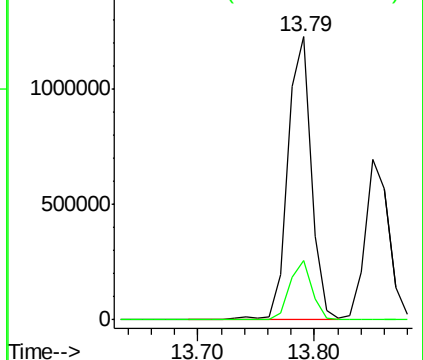
91 100

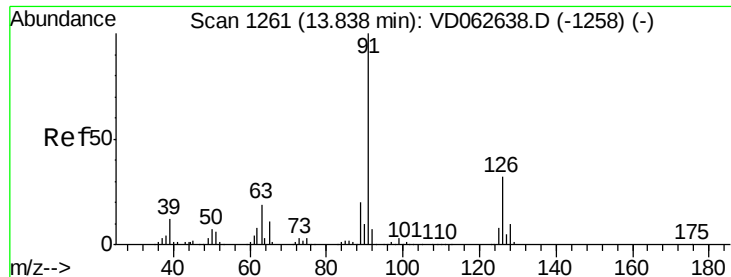
120 21.0 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





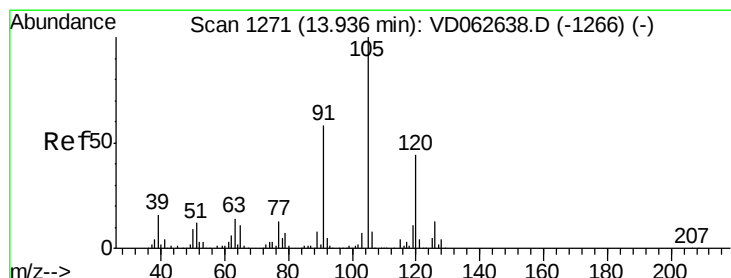
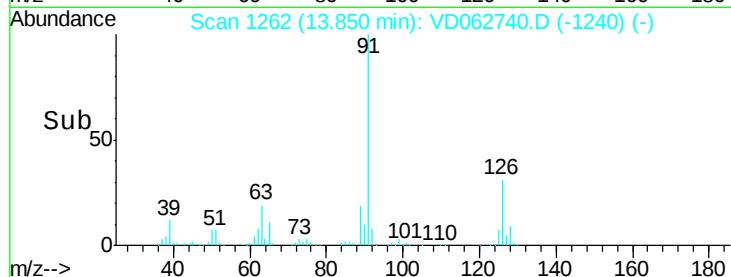
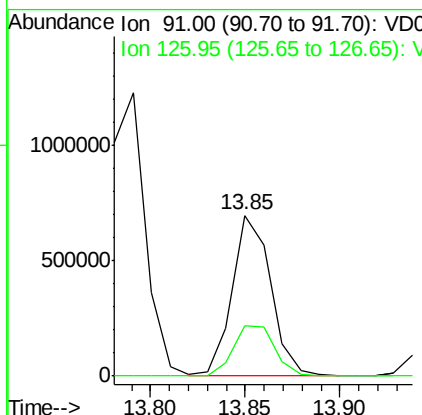
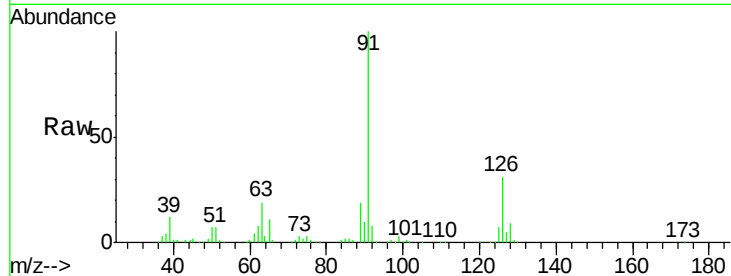
#79
 2-Chlorotoluene
 Concen: 45.355 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 968665
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.8 47.4

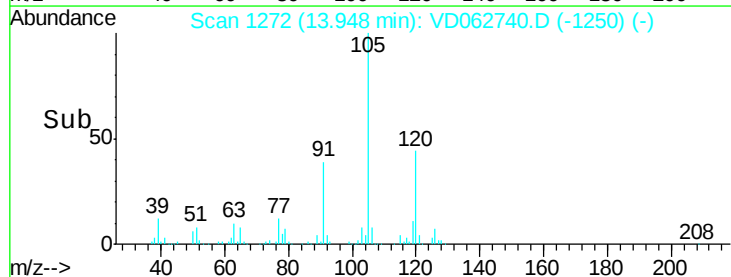
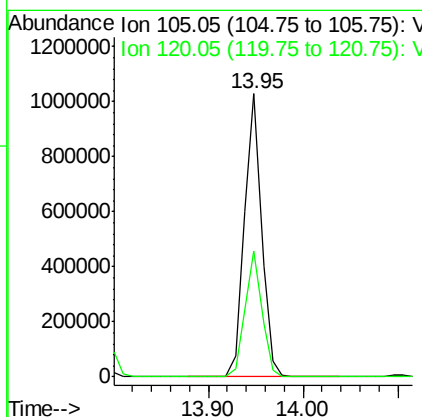
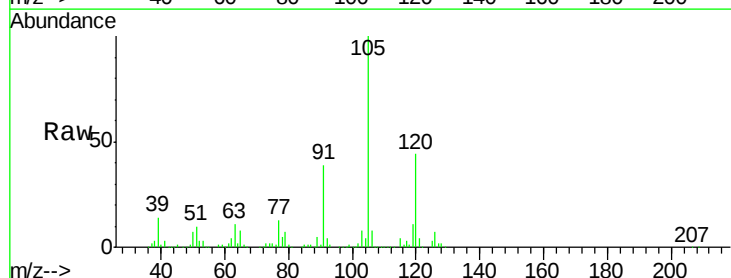
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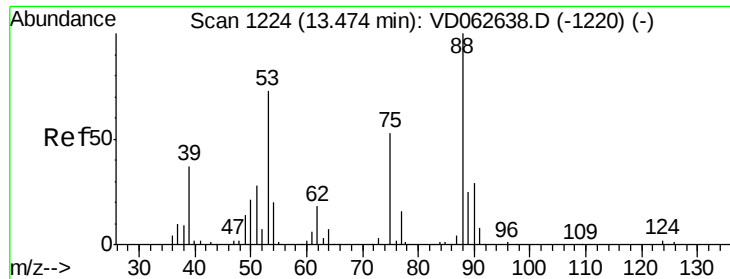
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.020 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion: 105 Resp: 1290989
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





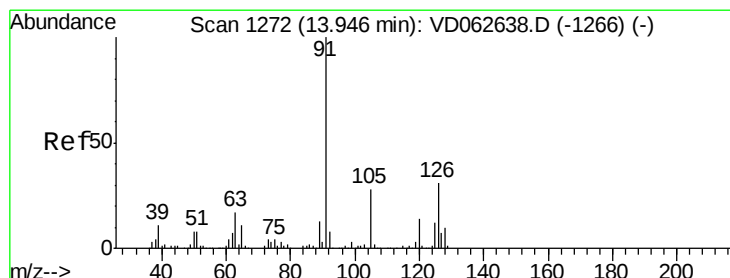
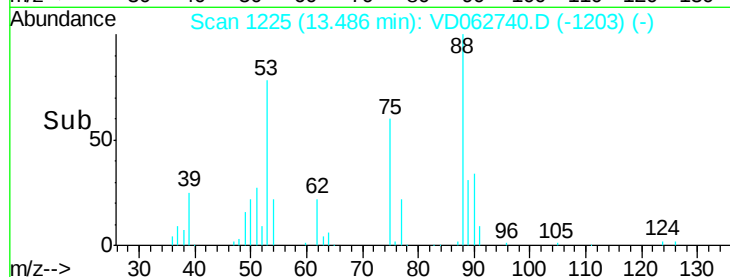
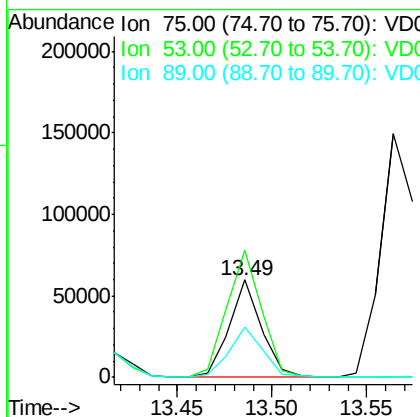
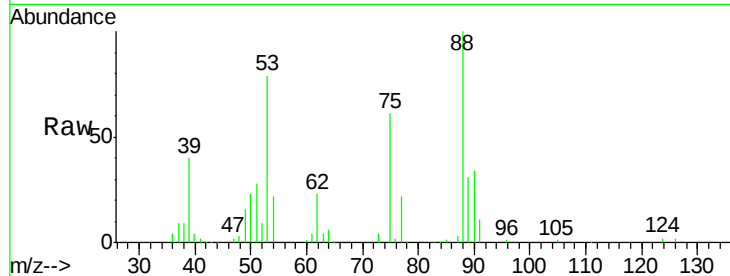
#81
trans-1,4-Dichloro-2-butene
Concen: 42.238 ug/l
RT: 13.49 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.0	109.4	164.2
89	51.1	37.0	55.6

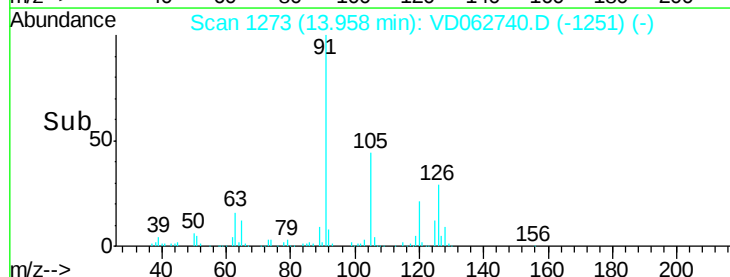
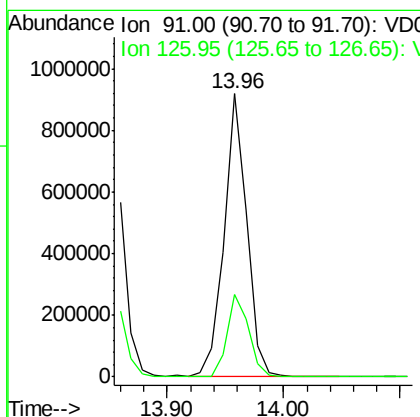
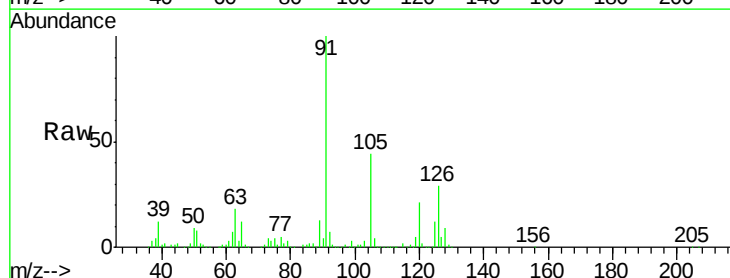
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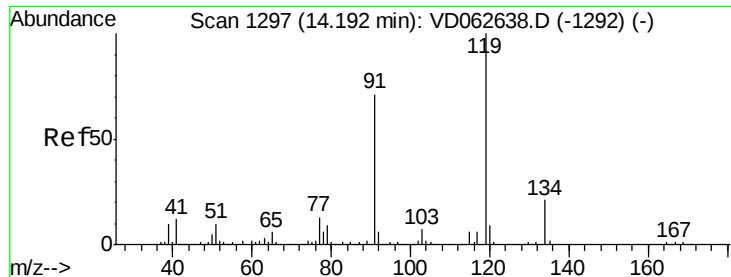
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.159 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.2	15.6	46.8





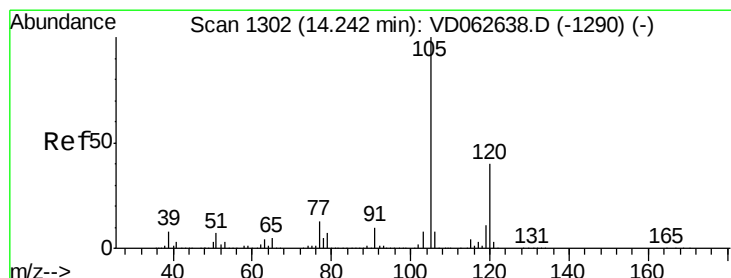
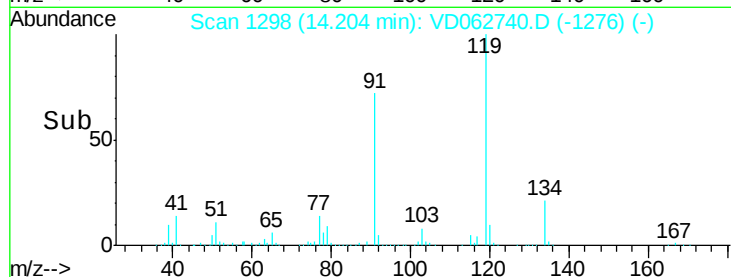
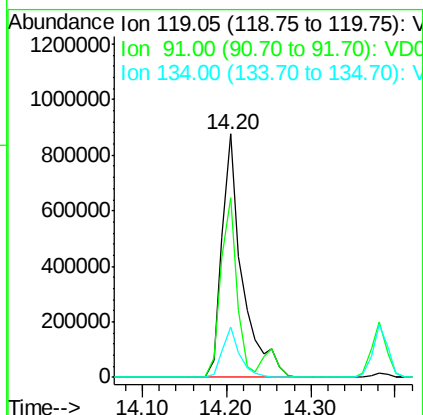
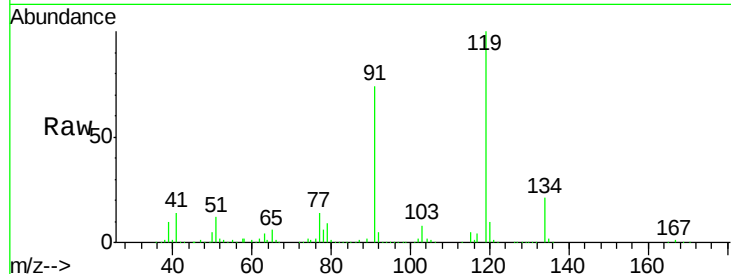
#83
tert-Butylbenzene
Concen: 50.676 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1472020
Ion Ratio Lower Upper
119 100
91 73.9 35.4 106.1
134 20.8 10.8 32.3

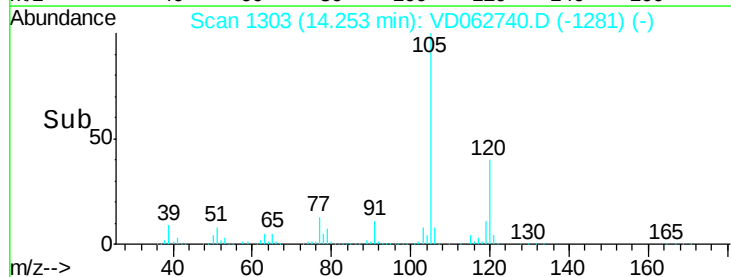
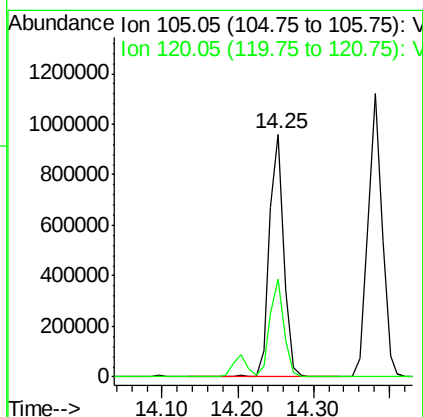
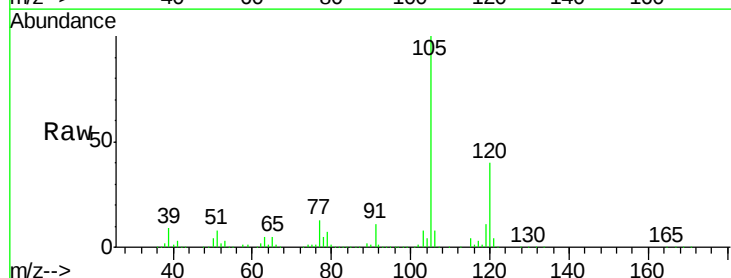
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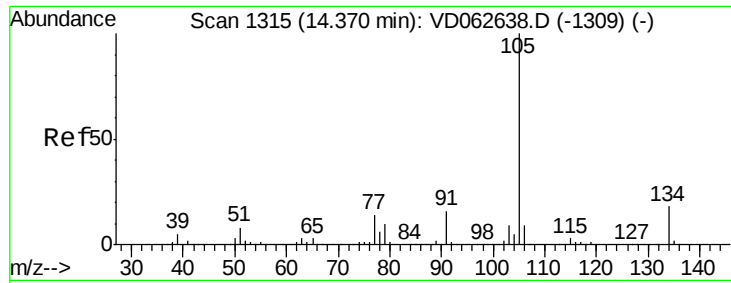
MMDadoda
6/19/2019 12:34:26 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.817 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion:105 Resp: 1272956
Ion Ratio Lower Upper
105 100
120 40.5 20.3 60.8





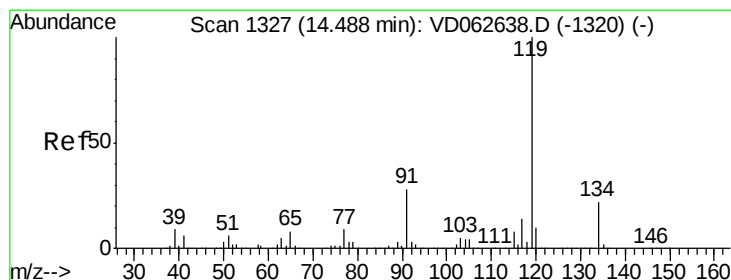
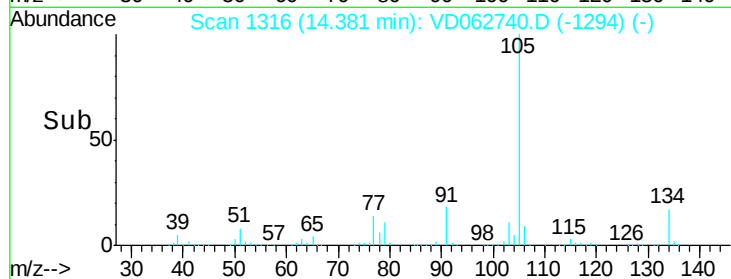
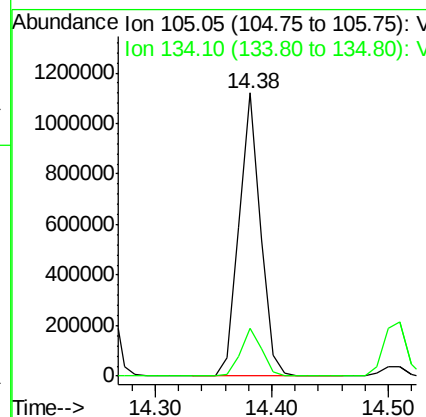
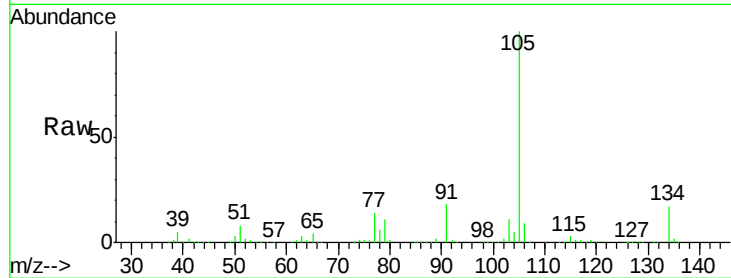
#85
 sec-Butylbenzene
 Concen: 46.922 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1429205
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.8 26.2

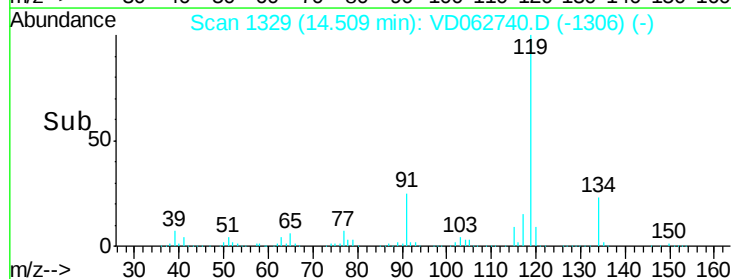
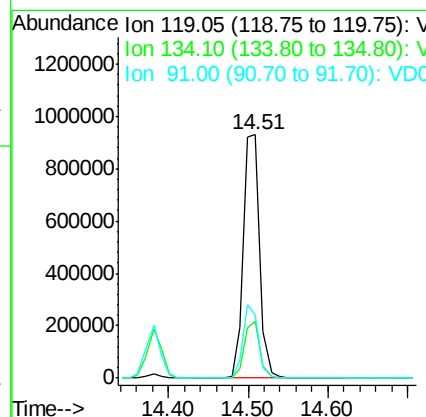
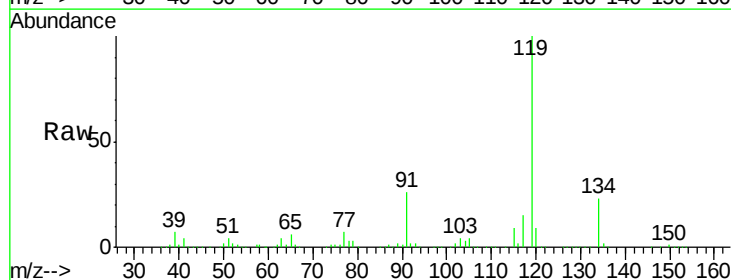
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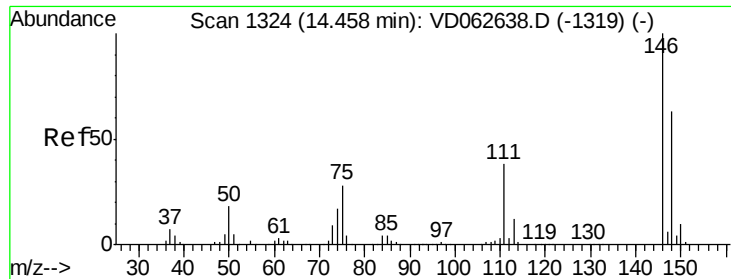
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#86
 p-Isopropyltoluene
 Concen: 45.325 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion:119 Resp: 1344164
 Ion Ratio Lower Upper
 119 100
 134 23.3 10.9 32.6
 91 25.7 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 48.389 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Instrument :

MSVOA_D

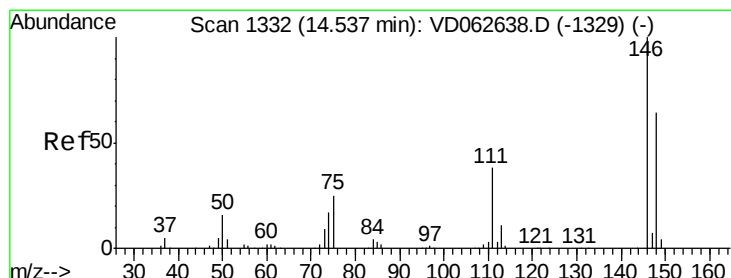
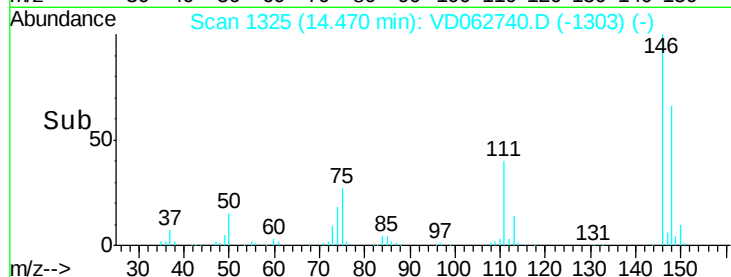
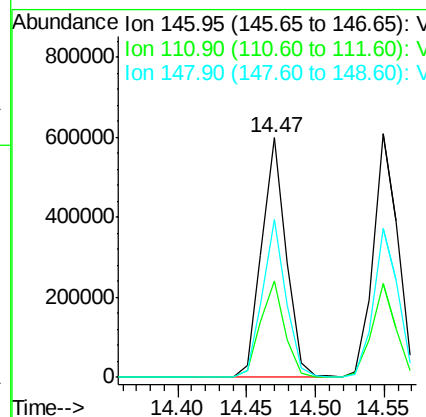
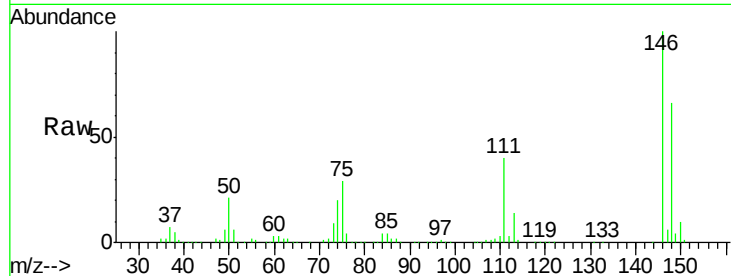
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	746623
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.2	57.6
148	65.7	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.861 ug/l

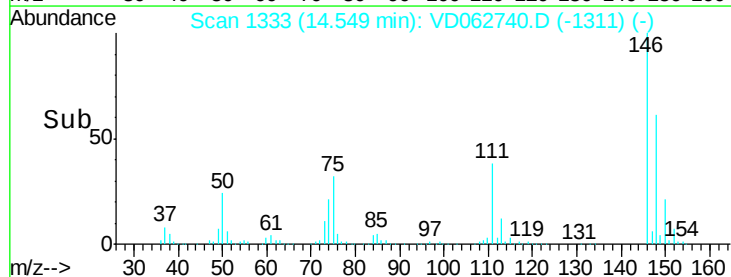
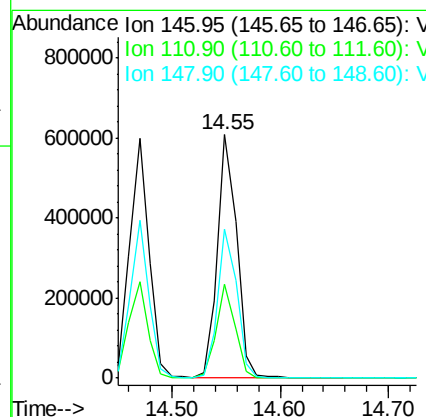
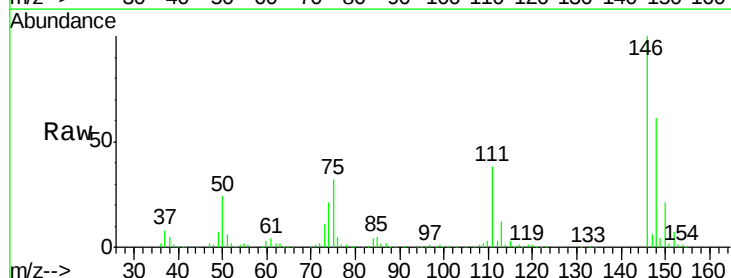
RT: 14.55 min Scan# 1333

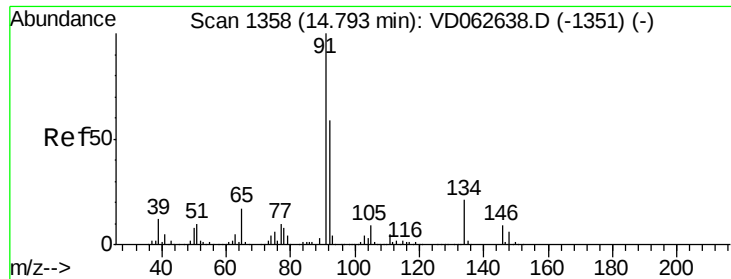
Delta R.T. 0.01 min

Lab File: VD062740.D

Acq: 17 Jun 2019 21:22

Tgt Ion:	146	Resp:	756227
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.9	56.7
148	61.3	32.3	96.8





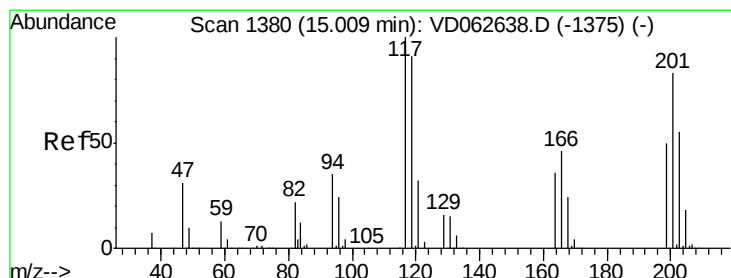
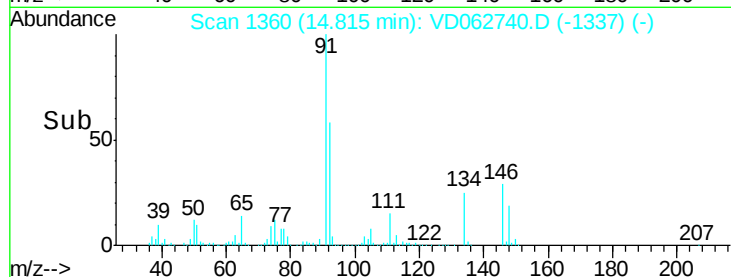
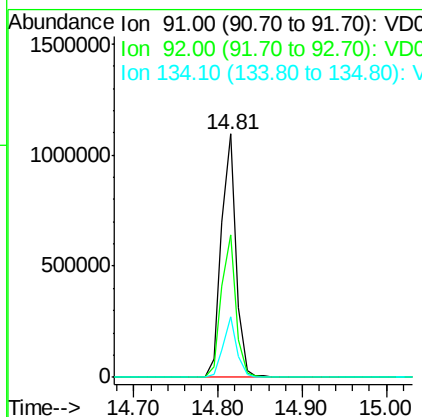
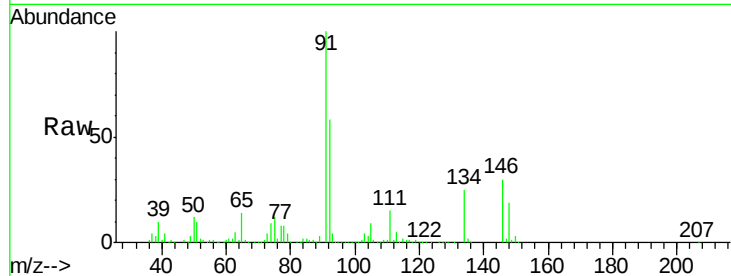
#89
n-Butylbenzene
Concen: 49.526 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1321323
Ion Ratio Lower Upper
91 100
92 58.4 29.4 88.3
134 24.7 10.4 31.2

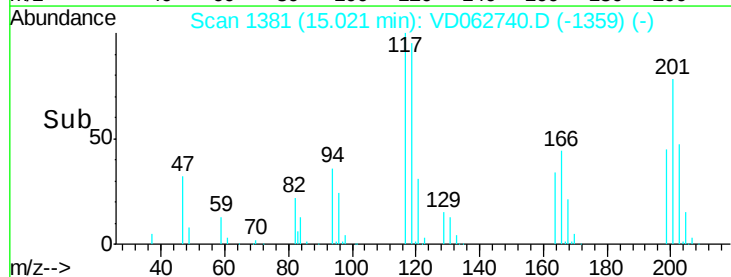
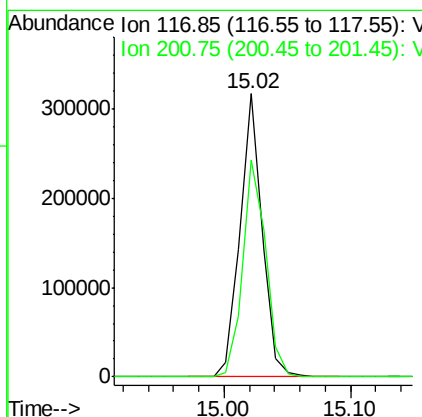
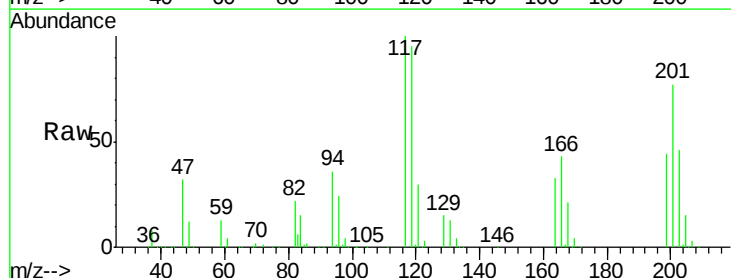
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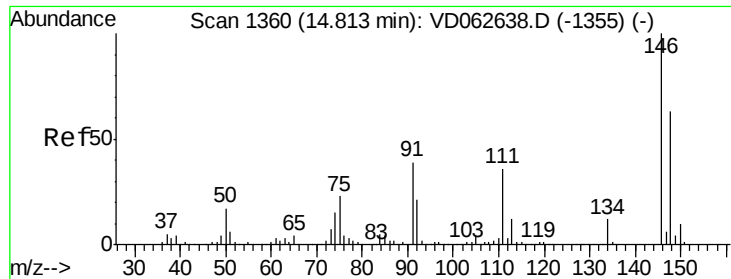
MMDadoda
6/19/2019 12:34:26 AM



#90
Hexachloroethane
Concen: 48.640 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion: 117 Resp: 380808
Ion Ratio Lower Upper
117 100
201 76.7 41.5 124.6





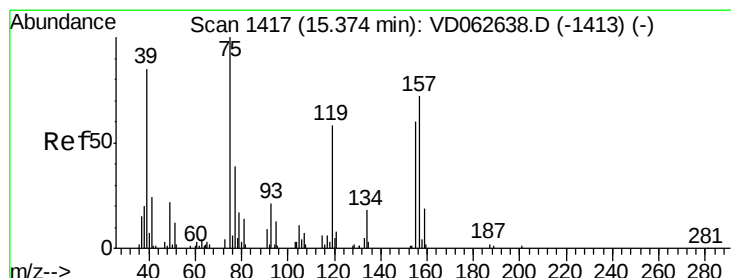
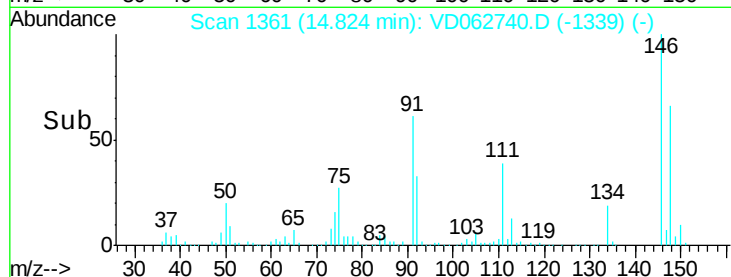
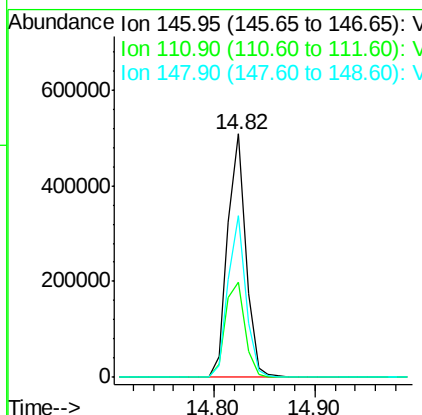
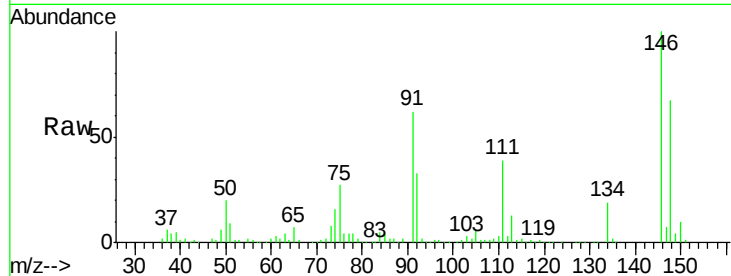
#91
 1,2-Dichlorobenzene
 Concen: 49.934 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.3
148	66.5	31.4	94.0

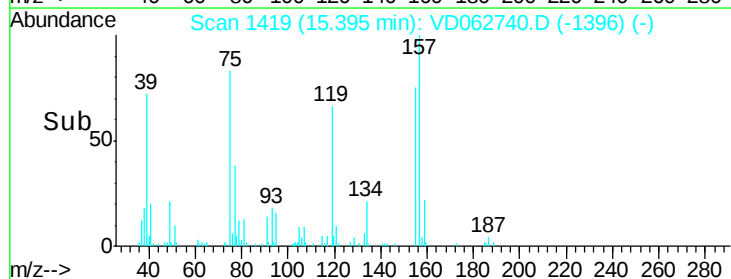
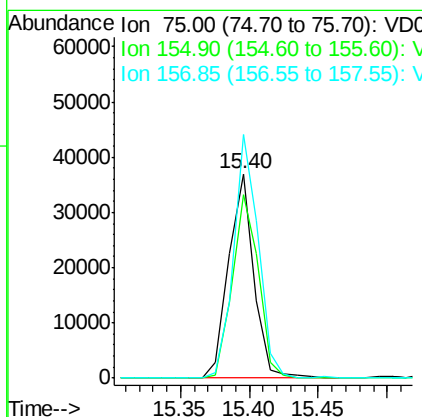
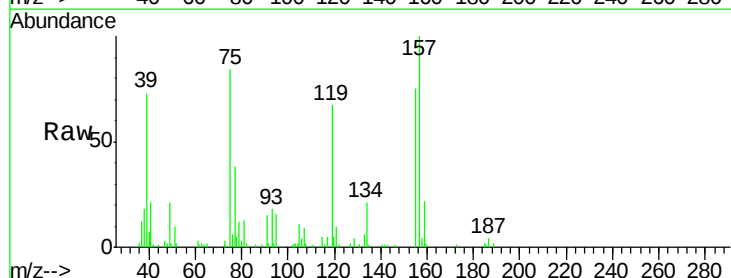
Manual Integrations
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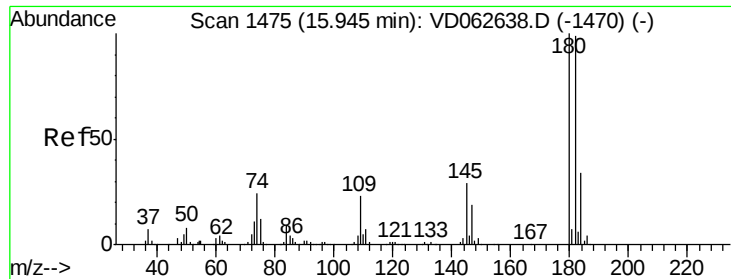
MMDadoda
 6/19/2019 12:34:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.101 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	30.1	90.5
157	119.2	35.9	107.8#





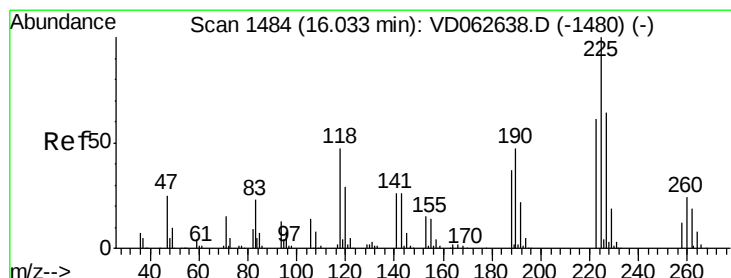
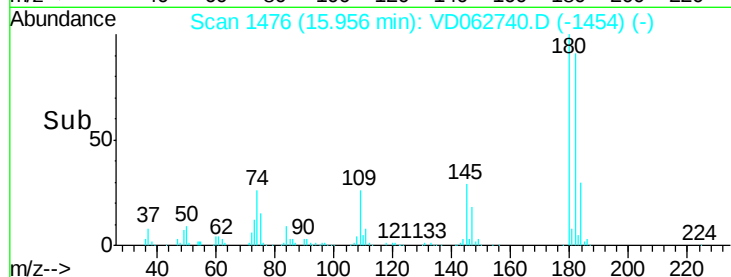
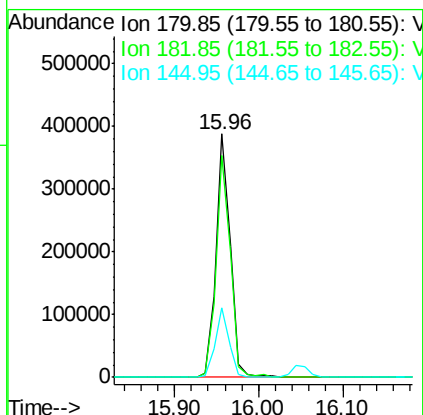
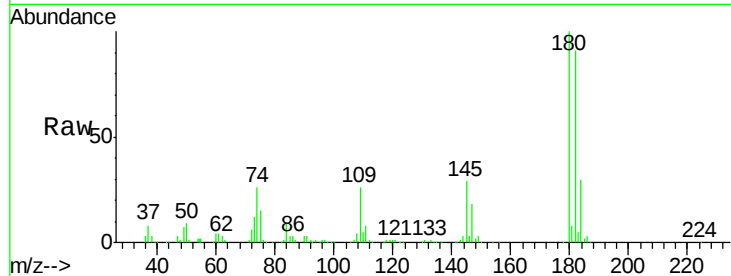
#93
 1,2,4-Trichlorobenzene
 Concen: 42.660 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	49.4	148.2
145	28.6	14.5	43.6

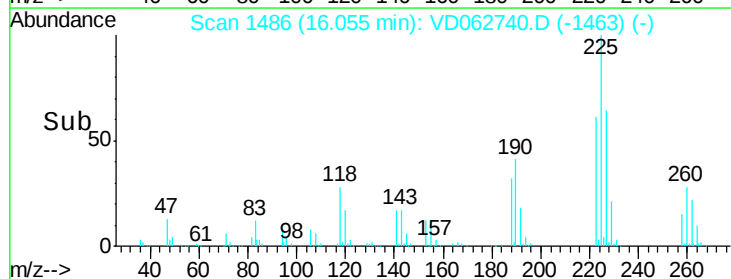
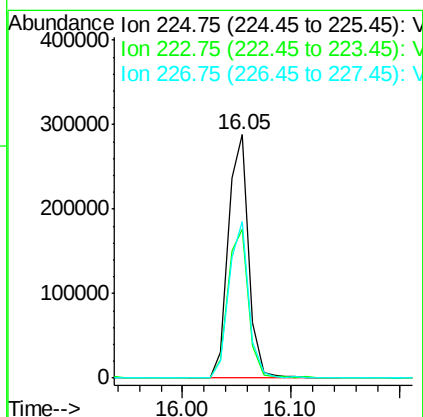
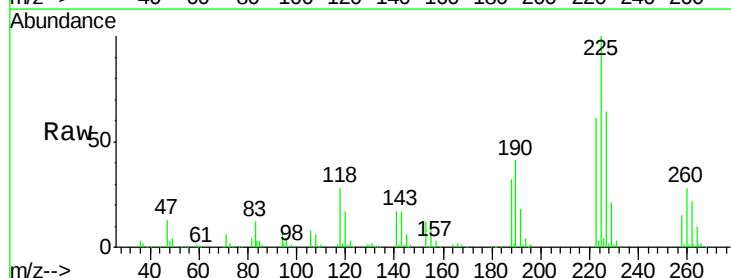
Manual Integrations
 APPROVED

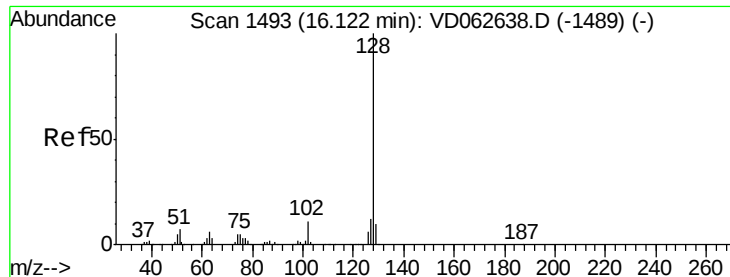
MMDadoda
 6/19/2019 12:34:26 AM



#94
 Hexachlorobutadiene
 Concen: 49.793 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062740.D
 Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.3	91.0
227	64.3	31.8	95.4





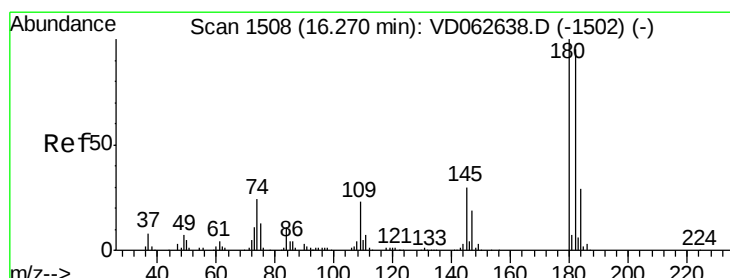
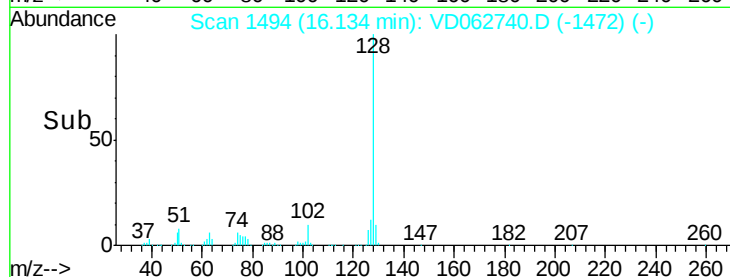
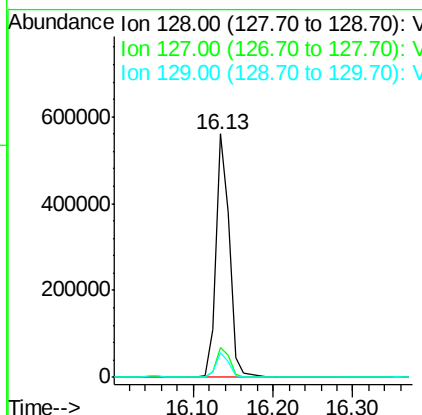
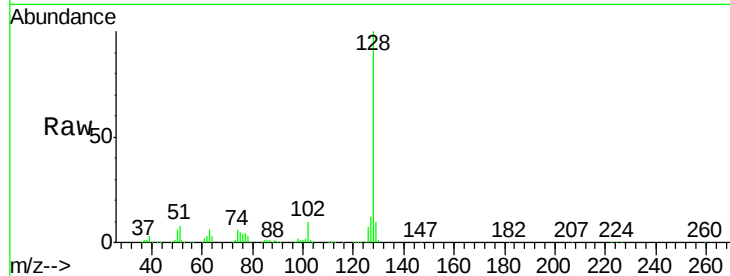
#95
Naphthalene
Concen: 43.921 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	10.2	8.1	12.1

Manual Integrations
APPROVED

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6/19/2019 12:34:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.192 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062740.D
Acq: 17 Jun 2019 21:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.7	143.1
145	31.1	15.0	45.0

