

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062764.D
 Acq On : 18 Jun 2019 22:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 3:04:04 PM

Quant Time: Jun 19 06:55:29 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	460809	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	619186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	575844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	354441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	437620	65.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.62%	
35) Dibromofluoromethane	6.92	113	403030	61.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.44%	
50) Toluene-d8	10.42	98	881779	64.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.38%	
62) 4-Bromofluorobenzene	13.56	95	429556	67.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	252506	46.978	ug/l	100
3) Chloromethane	1.74	50	228926	50.208	ug/l	99
4) Vinyl Chloride	1.84	62	228088	48.512	ug/l	95
5) Bromomethane	2.15	94	123119	51.877	ug/l #	98
6) Chloroethane	2.26	64	132253	56.974	ug/l #	89
7) Trichlorofluoromethane	2.53	101	595530	56.590	ug/l	94
8) Diethyl Ether	2.86	74	84656	59.146	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	325610	57.372	ug/l	96
10) Methyl Iodide	3.30	142	359972	44.199	ug/l	98
11) Tert butyl alcohol	4.07	59	70829	259.138	ug/l #	87
12) 1,1-Dichloroethene	3.12	96	223853	54.961	ug/l	97
13) Acrolein	3.03	56	21734	247.201	ug/l	89
14) Allyl chloride	3.61	41	338306	54.021	ug/l	97
15) Acrylonitrile	4.19	53	181684	292.516	ug/l	88
16) Acetone	3.22	43	357121	293.295	ug/l	97
17) Carbon Disulfide	3.37	76	567523	47.285	ug/l	96
18) Methyl Acetate	3.64	43	118947	59.442	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	585686	58.960	ug/l	98
20) Methylene Chloride	3.81	84	236954	51.520	ug/l #	94
21) trans-1,2-Dichloroethene	4.21	96	232518	52.045	ug/l	91
22) Diisopropyl ether	5.12	45	746613	57.417	ug/l	96
23) Vinyl Acetate	5.05	43	2472602	306.504	ug/l	99
24) 1,1-Dichloroethane	4.98	63	478617	57.214	ug/l	97
25) 2-Butanone	6.07	43	350877	295.378	ug/l	93
26) 2,2-Dichloropropane	6.02	77	526374	54.597	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	275790	56.943	ug/l	97
28) Bromochloromethane	6.43	49	182615	57.107	ug/l	84
29) Tetrahydrofuran	6.46	42	162621	303.997	ug/l	97
30) Chloroform	6.66	83	687204	64.028	ug/l	95
31) Cyclohexane	6.96	56	288322	54.945	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	668493	62.594	ug/l	97
36) 1,1-Dichloropropene	7.15	75	378431	53.401	ug/l	96
37) Ethyl Acetate	6.18	43	179568	59.202	ug/l #	90
38) Carbon Tetrachloride	7.11	117	649101m	57.950	ug/l	

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	305510	53.349	ug/l	92
40) Benzene	7.45	78	805060	58.172	ug/l	98
41) Methacrylonitrile	6.45	41	241962	65.225	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	518170	62.818	ug/l	97
43) Isopropyl Acetate	9.23	43	231648	61.952	ug/l #	97
44) Trichloroethene	8.53	130	334804	59.590	ug/l	91
45) 1,2-Dichloropropane	8.94	63	204115	61.403	ug/l	99
46) Dibromomethane	9.07	93	200725	68.026	ug/l	96
47) Bromodichloromethane	9.37	83	527666	65.738	ug/l	92
48) Methyl methacrylate	9.12	41	175114	64.825	ug/l	97
49) 1,4-Dioxane	9.09	88	28274	1162.403	ug/l #	84
51) 4-Methyl-2-Pentanone	10.30	43	855723	327.064	ug/l	97
52) Toluene	10.51	92	567260	60.978	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	435879	66.233	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	439491	64.614	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	212465	66.598	ug/l	97
56) Ethyl methacrylate	11.05	69	232589	59.681	ug/l	94
57) 1,3-Dichloropropane	11.41	76	302045	61.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	486805	285.498	ug/l	99
59) 2-Hexanone	11.53	43	694895	357.048	ug/l	94
60) Dibromochloromethane	11.69	129	411490	65.341	ug/l	98
61) 1,2-Dibromoethane	11.80	107	267765	70.128	ug/l	92
64) Tetrachloroethene	11.26	164	345132	64.025	ug/l	98
65) Chlorobenzene	12.40	112	675199	53.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	367760	60.538	ug/l	97
67) Ethyl Benzene	12.52	91	1288232	57.043	ug/l	99
68) m/p-Xylenes	12.67	106	852370	107.359	ug/l	94
69) o-Xylene	13.05	106	429612	58.919	ug/l	97
70) Styrene	13.07	104	799439	61.447	ug/l	97
71) Bromoform	13.23	173	274231	58.343	ug/l #	98
73) Isopropylbenzene	13.41	105	1314562	52.619	ug/l	98
74) N-amyl acetate	13.27	43	362401	53.675	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	252821	59.143	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	268715	55.914	ug/l	96
77) Bromobenzene	13.67	156	387575	54.278	ug/l	99
78) n-propylbenzene	13.77	91	1651212	53.996	ug/l	99
79) 2-Chlorotoluene	13.84	91	926676	51.754	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1216538	55.098	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	67042	47.270	ug/l	86
82) 4-Chlorotoluene	13.95	91	1221660	57.053	ug/l	98
83) tert-Butylbenzene	14.19	119	1278894	52.516	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	1075599	49.201	ug/l	98
85) sec-Butylbenzene	14.36	105	1329748	52.073	ug/l	93
86) p-Isopropyltoluene	14.49	119	1382826	55.618	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	738085	57.058	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	692912	56.680	ug/l	99
89) n-Butylbenzene	14.80	91	1209378	54.069	ug/l	99
90) Hexachloroethane	15.01	117	361717	55.109	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	623188	57.955	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	54613	59.811	ug/l	87

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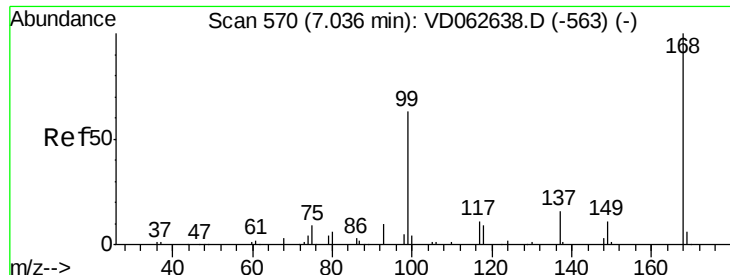
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	478295	52.260	ug/l	98
94) Hexachlorobutadiene	16.04	225	347562	54.746	ug/l	98
95) Naphthalene	16.12	128	698768	54.034	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	388846	62.782	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 460809

Ion Ratio Lower Upper

168 100

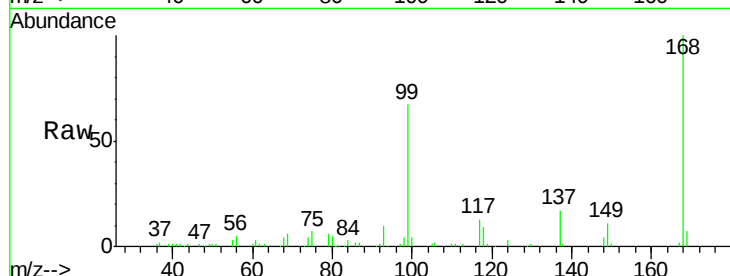
99 66.8 51.4 77.2

Manual Integrations

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6/19/2019 3:04:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

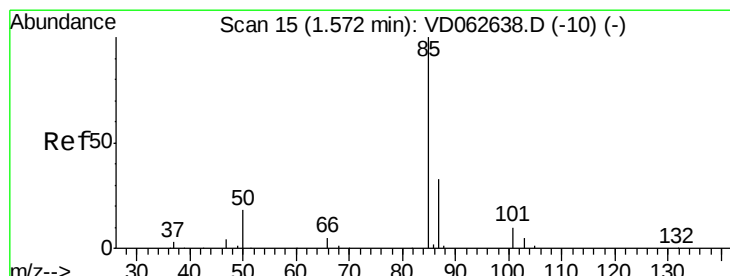
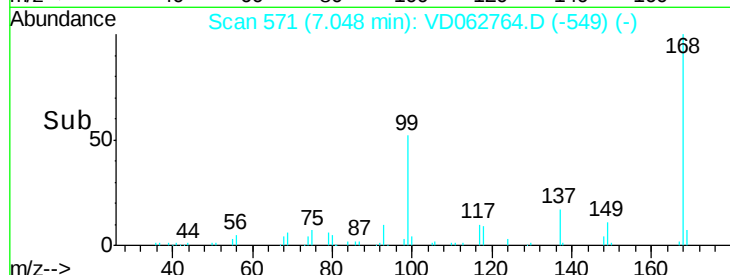
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 46.978 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062764.D

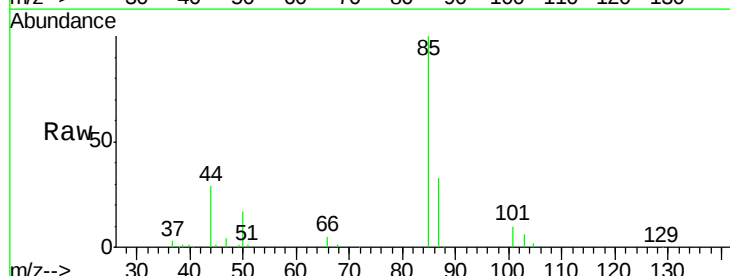
Acq: 18 Jun 2019 22:46

Tgt Ion: 85 Resp: 252506

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

120000

100000

80000

60000

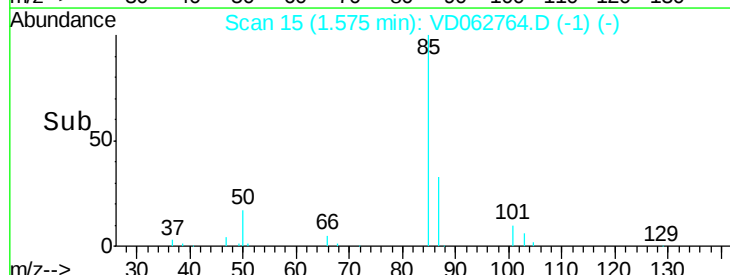
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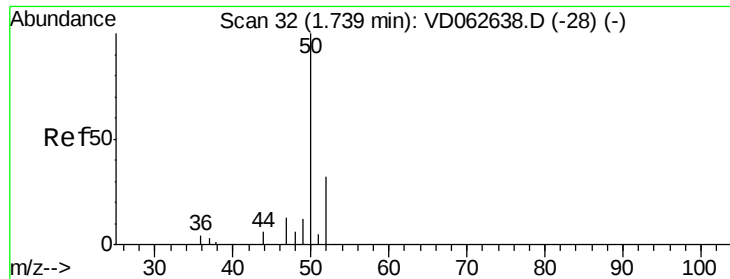
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 50.208 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 228926

Ion Ratio Lower Upper

50 100

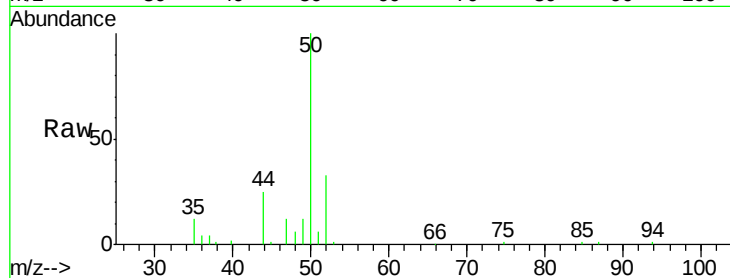
52 33.0 25.8 38.8

Manual Integrations

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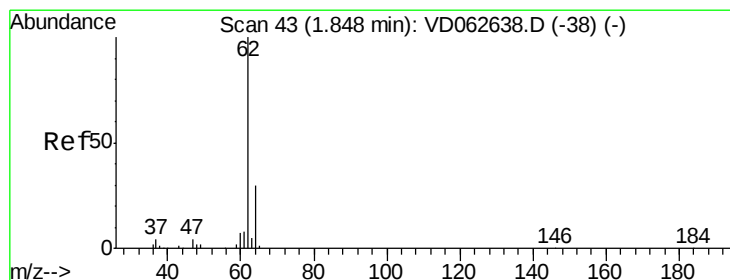
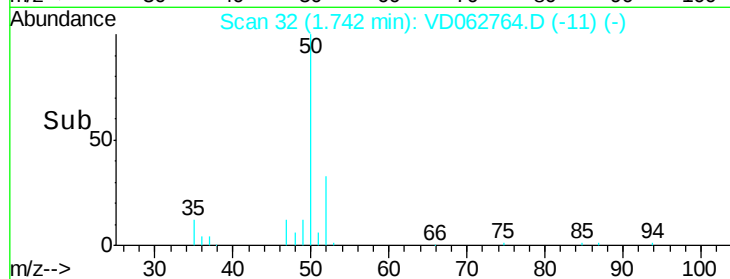
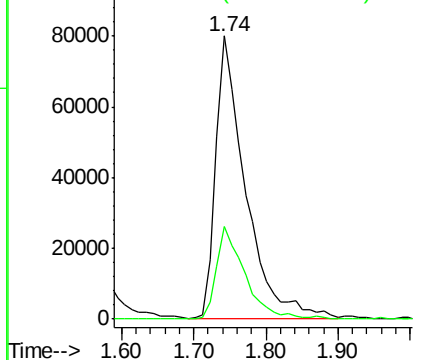
MMDadoda

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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: 48.512 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD062764.D

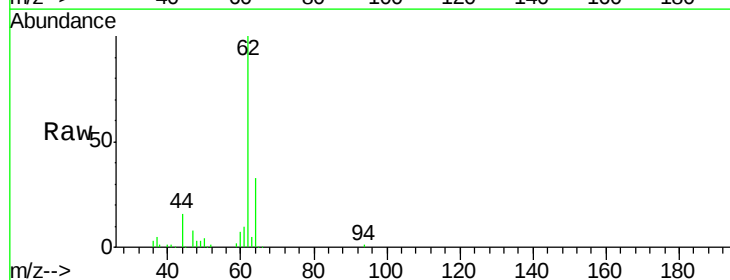
Acq: 18 Jun 2019 22:46

Tgt Ion: 62 Resp: 228088

Ion Ratio Lower Upper

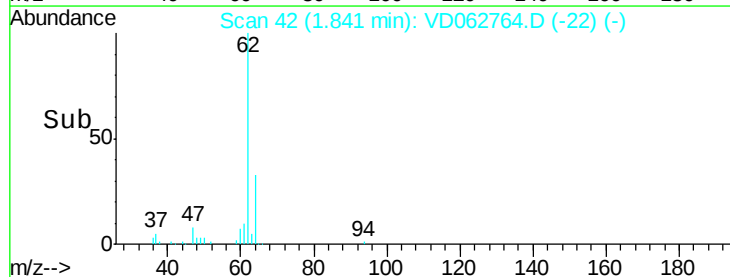
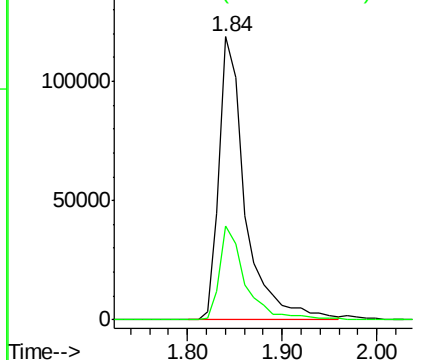
62 100

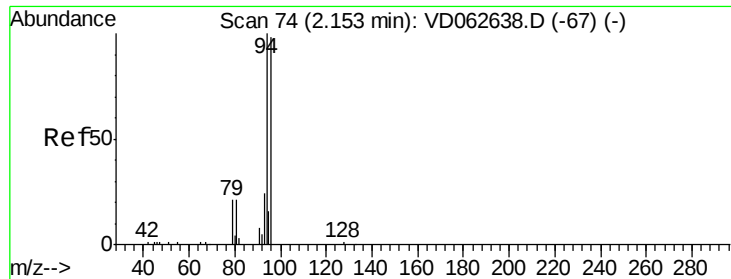
64 33.3 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.877 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

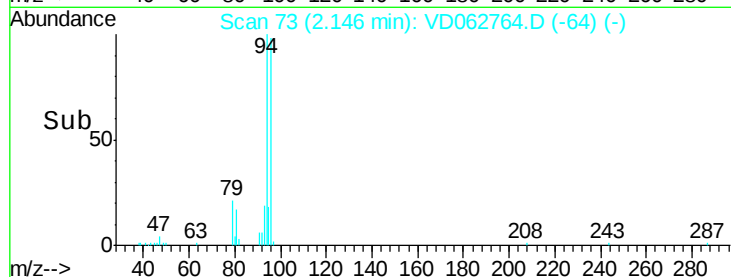
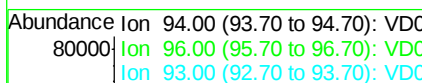
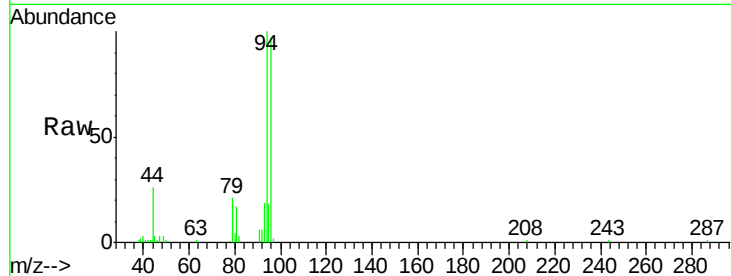
ClientSampleId :

VSTDCCC050

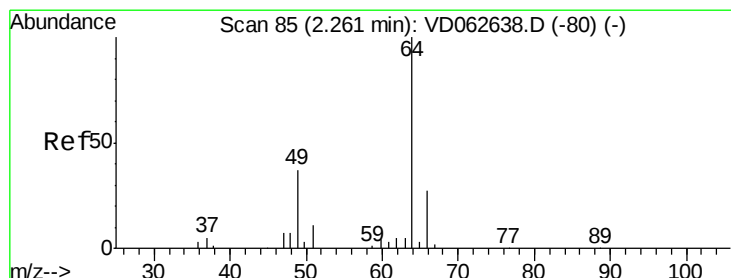
Tot Ion:	94	Resp:	123119
Ion Ratio	Lower	Upper	
94	100		
96	97.2	78.1	117.1
93	19.4	19.6	29.4#

Manual Integrations
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#6

Chloroethane

Concen: 56.974 ug/l

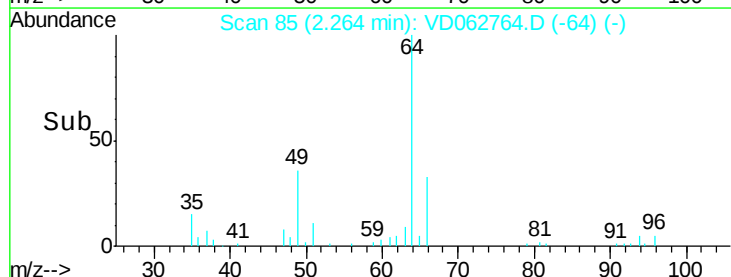
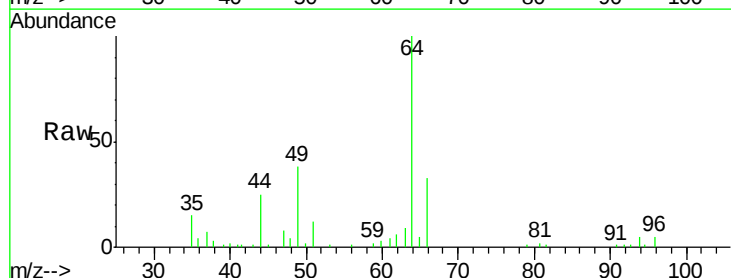
RT: 2.26 min Scan# 85

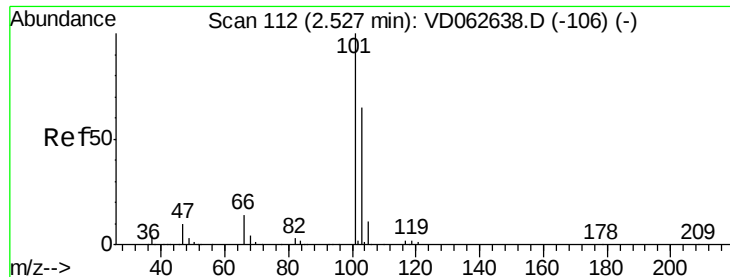
Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	64	Resp:	132253
Ion Ratio	Lower	Upper	
64	100		
66	33.3	21.9	32.9#





#7

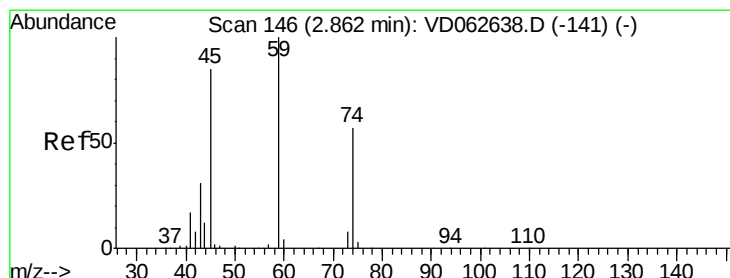
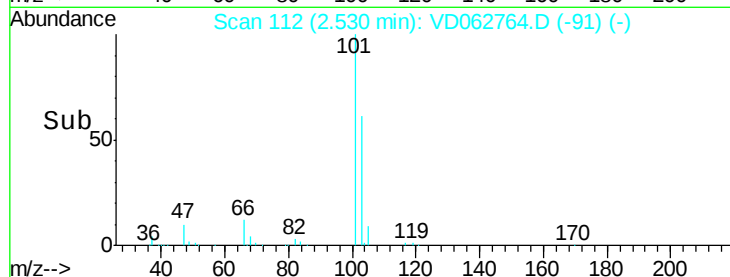
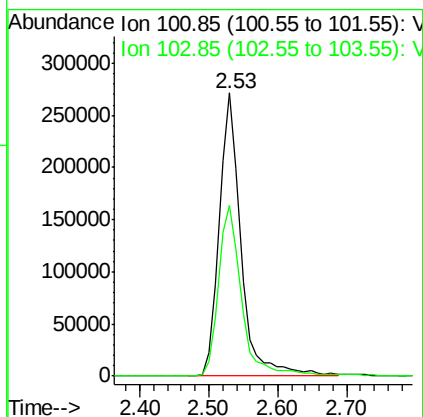
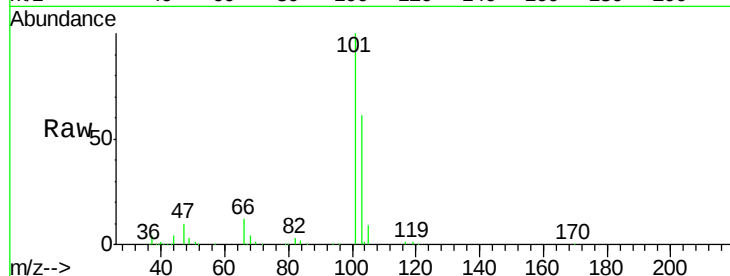
Trichlorofluoromethane
Concen: 56.590 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062764.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.2	78.2

Manual Integrations
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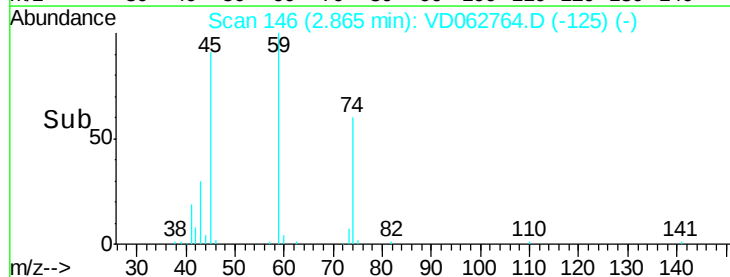
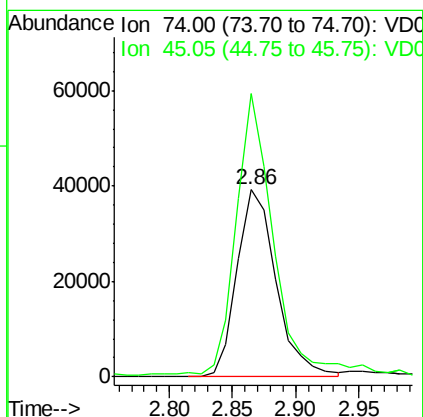
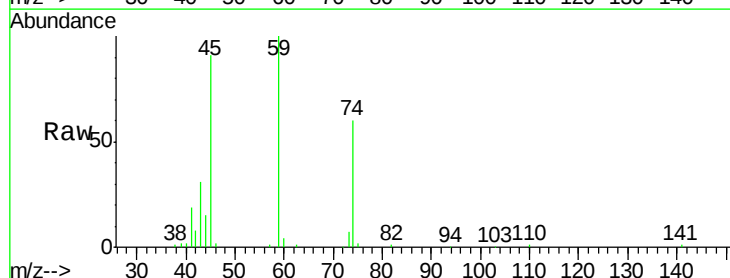
MMDadoda
6/19/2019 3:04:04 PM

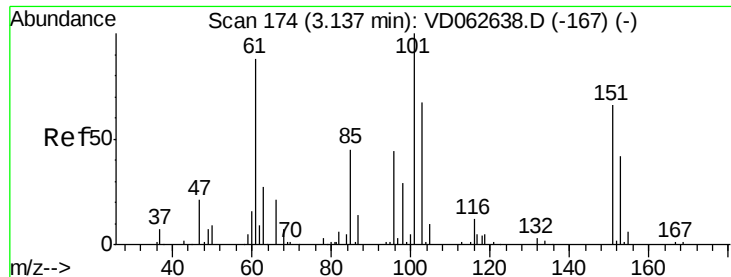


#8

Diethyl Ether
Concen: 59.146 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	151.5	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.372 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

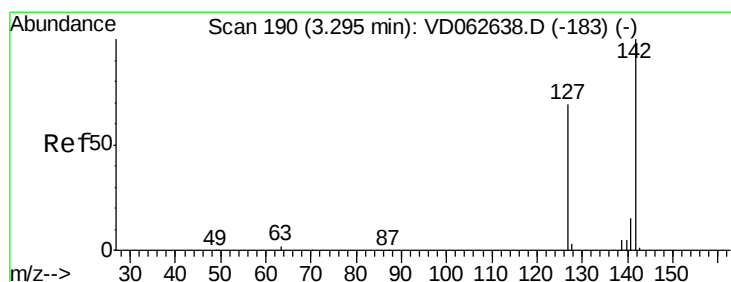
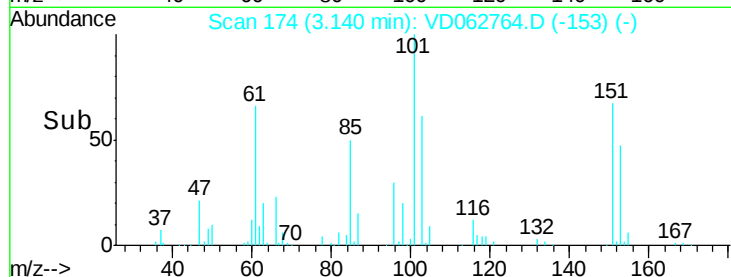
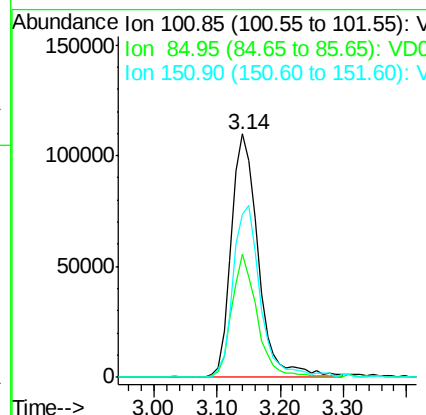
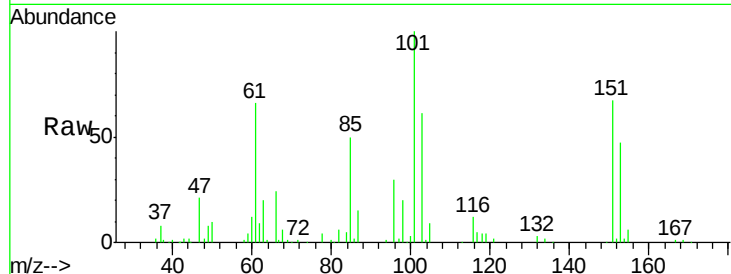
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	325610
Ion Ratio	Lower	Upper	
101	100		
85	50.4	36.0	54.0
151	66.9	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 44.199 ug/l

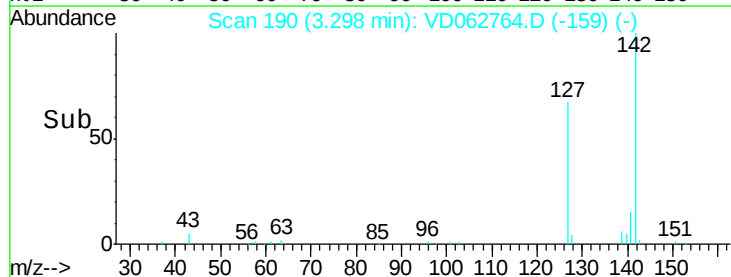
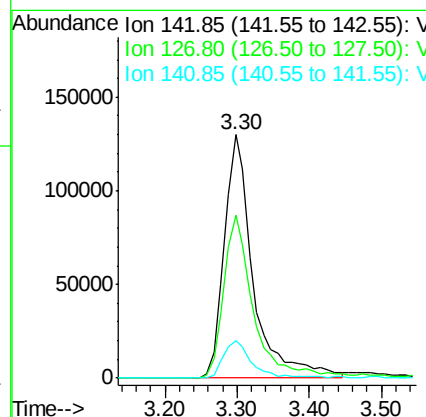
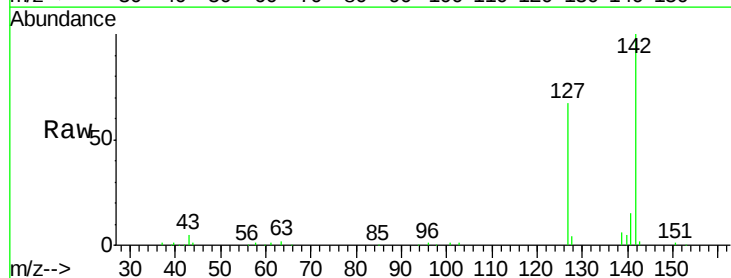
RT: 3.30 min Scan# 190

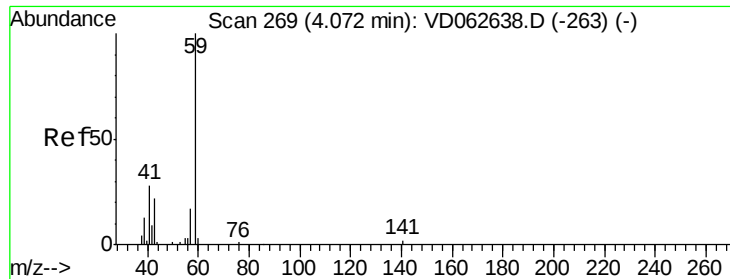
Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	142	Resp:	359972
Ion Ratio	Lower	Upper	
142	100		
127	67.0	55.2	82.8
141	15.4	12.1	18.1





#11

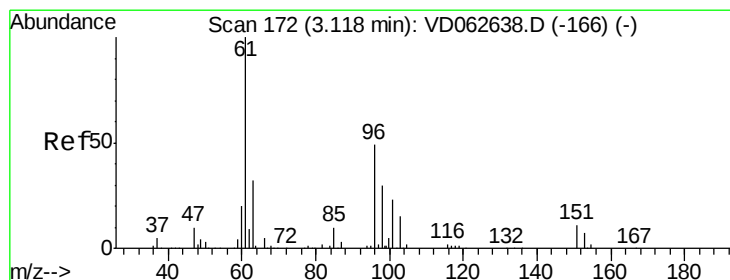
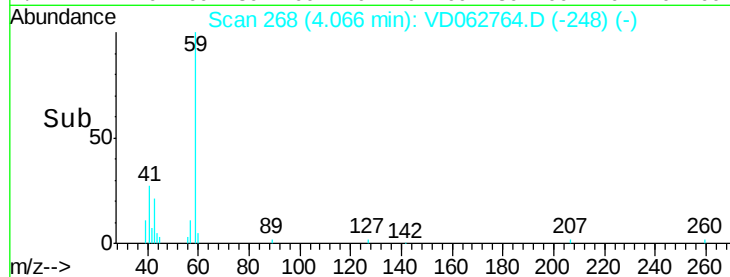
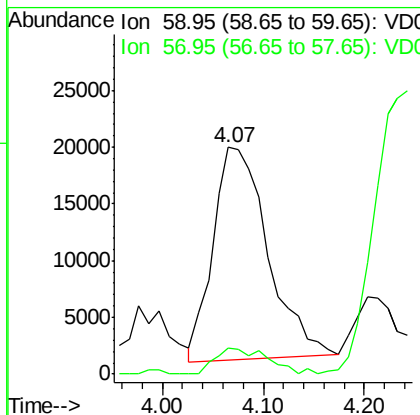
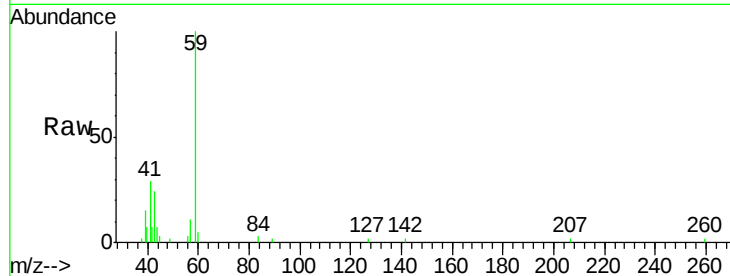
Tert butyl alcohol
 Concen: 259.138 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 70829
 Ion Ratio Lower Upper
 59 100
 57 11.4 13.7 20.5#

Manual Integrations
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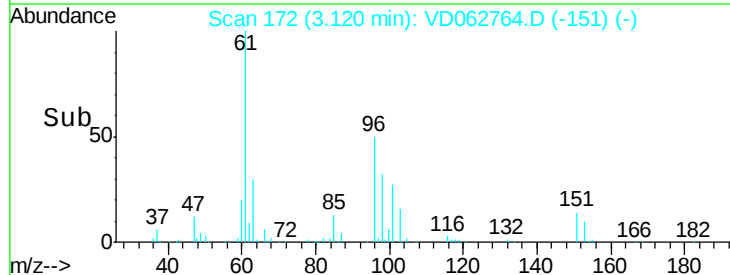
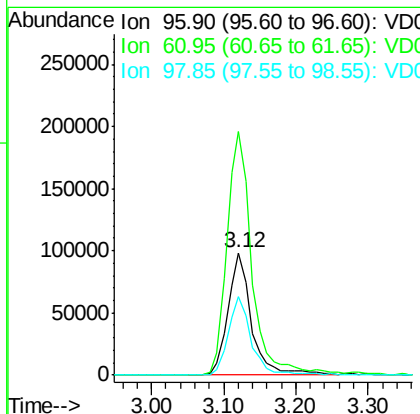
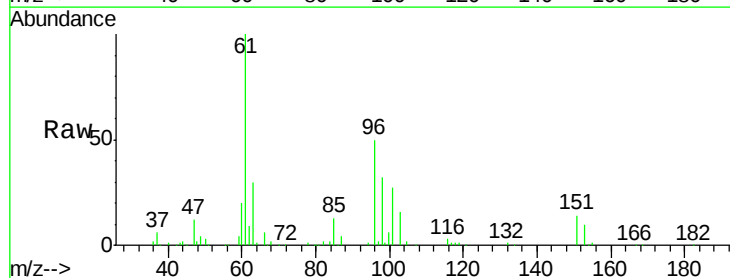
MMDadoda
 6/19/2019 3:04:04 PM

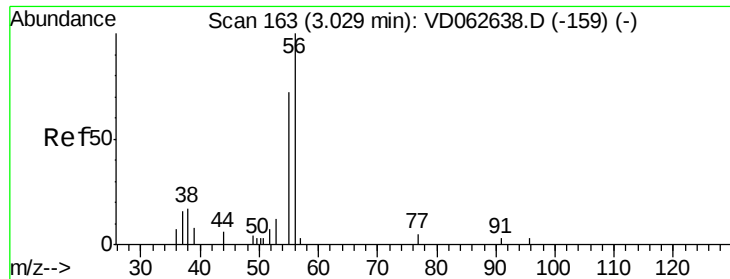


#12

1,1-Dichloroethene
 Concen: 54.961 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 96 Resp: 223853
 Ion Ratio Lower Upper
 96 100
 61 199.5 161.8 242.8
 98 63.9 48.2 72.4





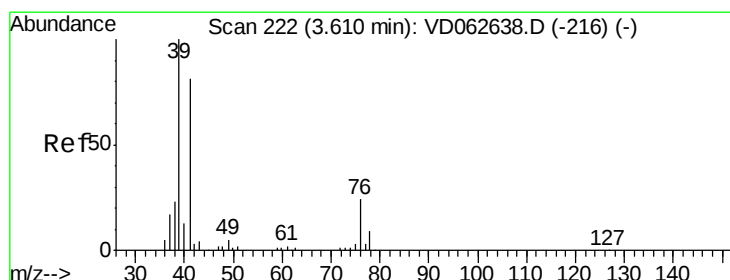
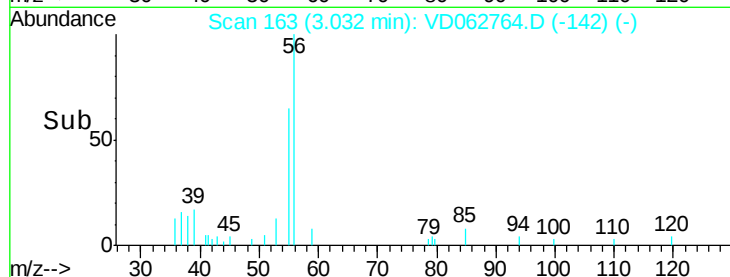
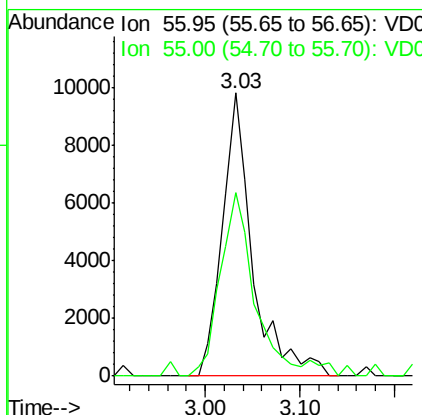
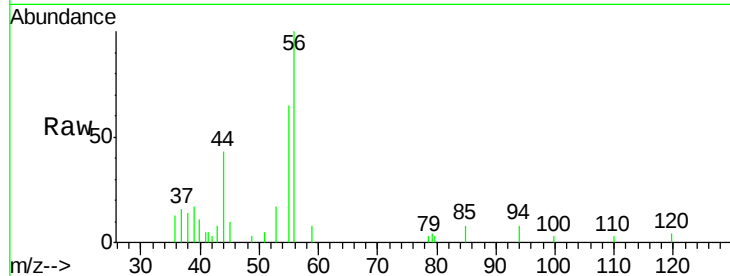
#13
Acrolein
Concen: 247.201 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	21734
Ion Ratio	100	Lower	Upper
55	64.7	59.4	89.0

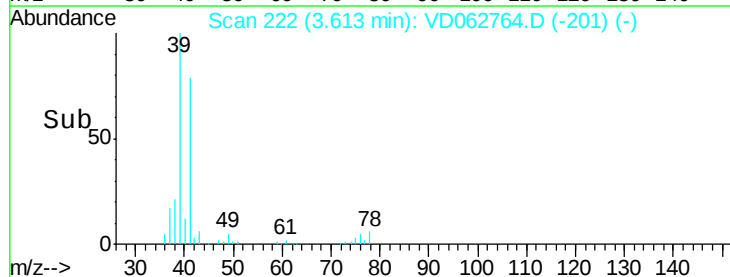
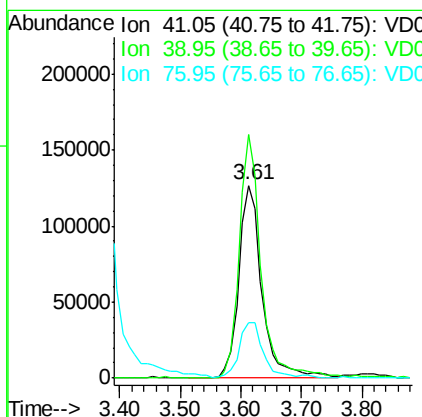
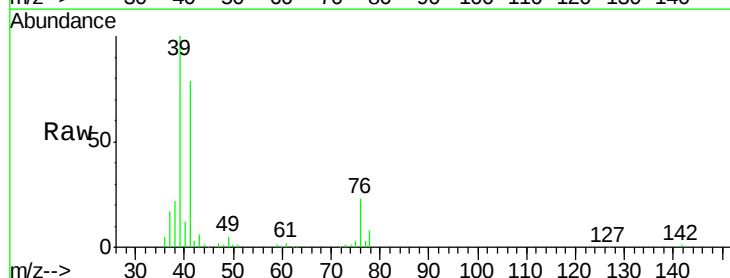
Manual Integrations
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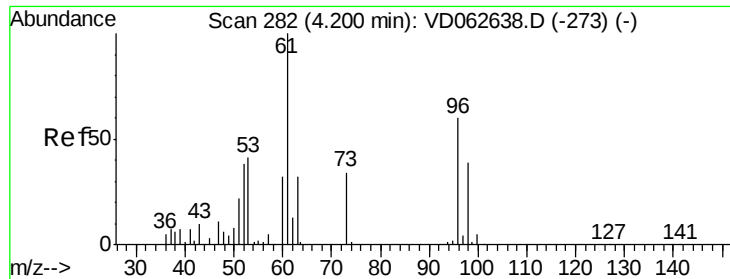
MMDadoda
6/19/2019 3:04:04 PM



#14
Allyl chloride
Concen: 54.021 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	41	Resp	338306
Ion Ratio	100	Lower	Upper
39	126.5	99.1	148.7
76	29.0	25.0	37.6





#15

Acrylonitrile

Concen: 292.516 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

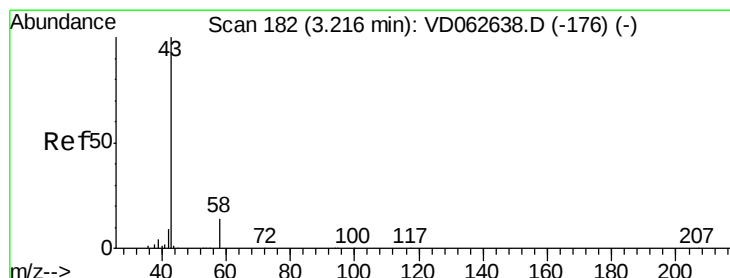
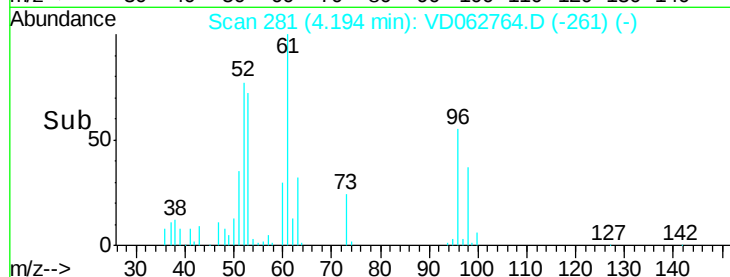
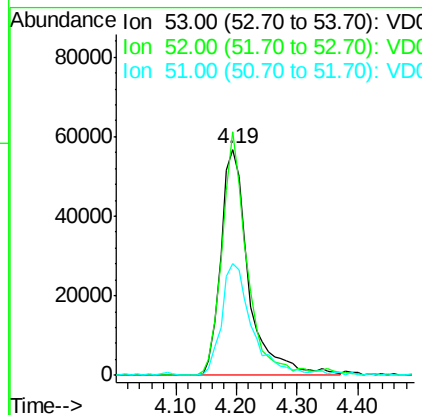
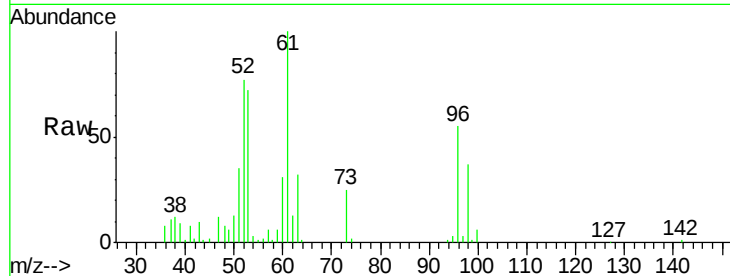
ClientSampleId :

VSTDCCC050

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	107.8	73.6	110.4	
51	49.4	42.0	63.0	

Manual Integrations
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#16

Acetone

Concen: 293.295 ug/l

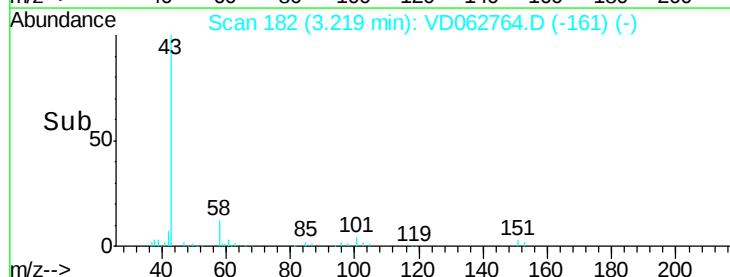
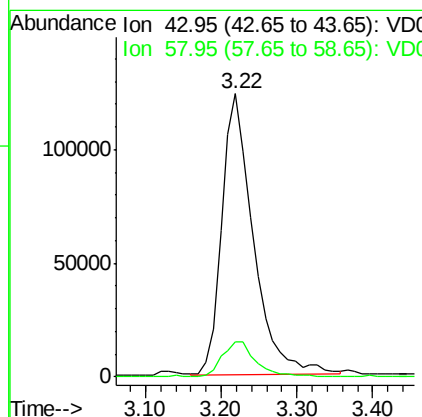
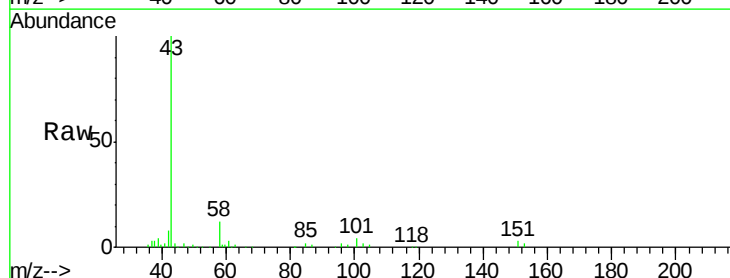
RT: 3.22 min Scan# 182

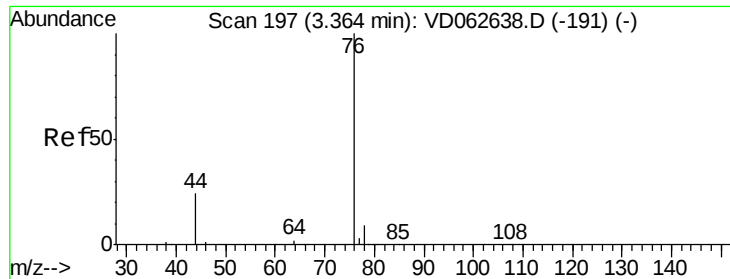
Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	12.3	10.8	16.2	





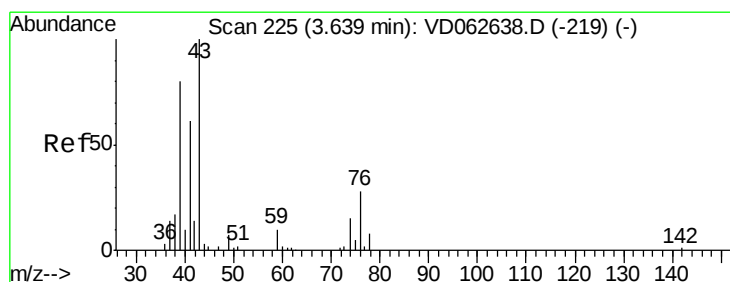
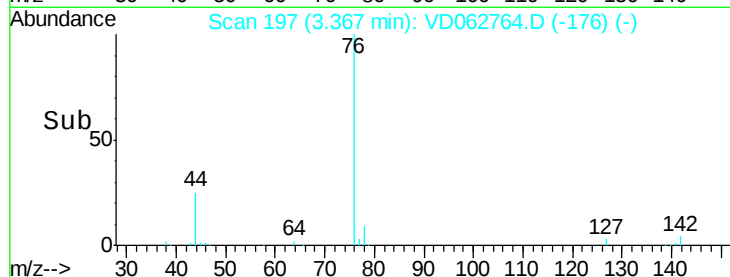
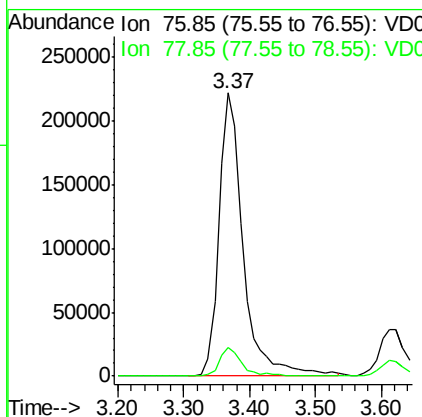
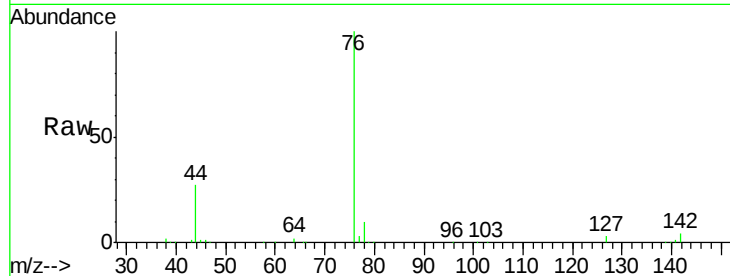
#17
Carbon Disulfide
Concen: 47.285 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 567523
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.4

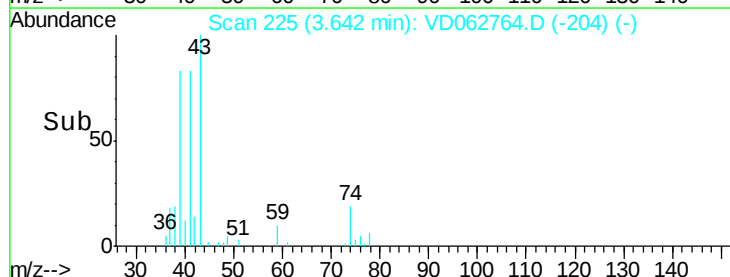
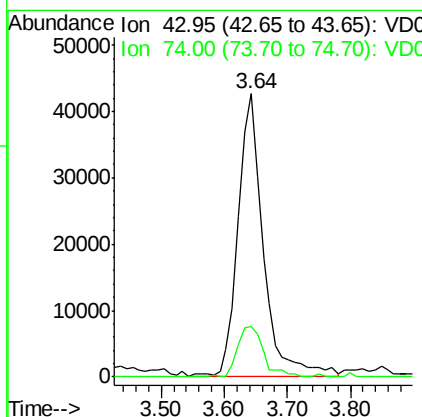
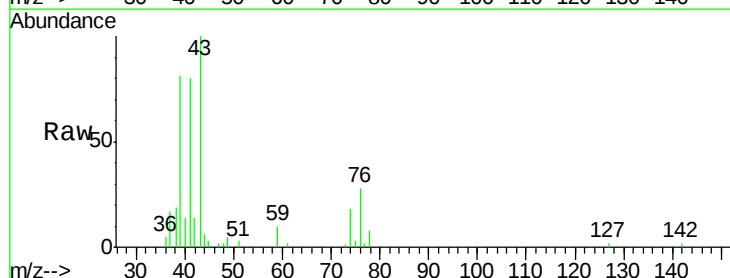
Manual Integrations
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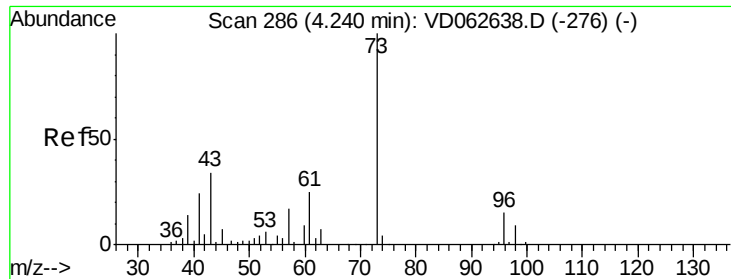
MMDadoda
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#18
Methyl Acetate
Concen: 59.442 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 43 Resp: 118947
Ion Ratio Lower Upper
43 100
74 17.9 12.1 18.1





#19

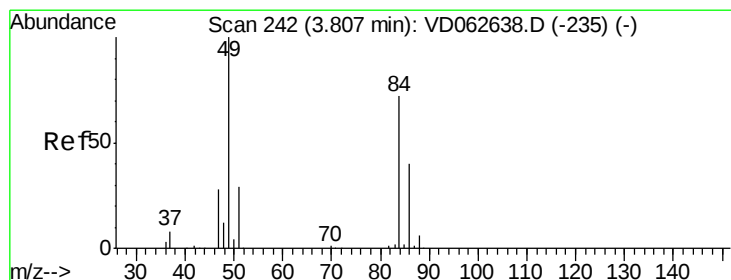
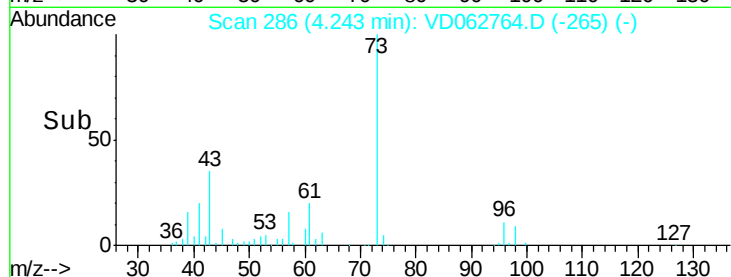
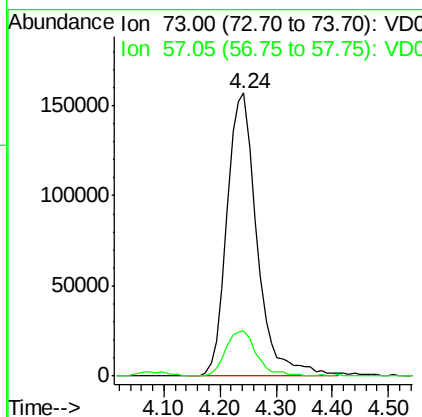
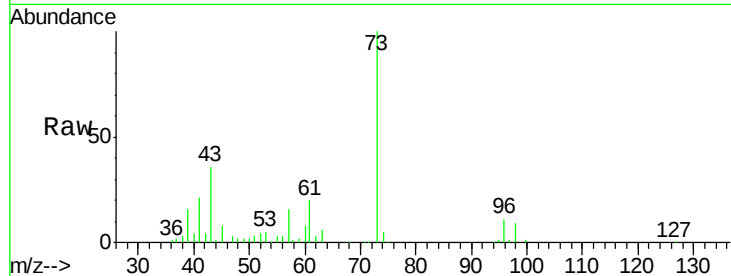
Methyl tert-butyl Ether
 Concen: 58.960 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.9	13.5	20.3

Manual Integrations
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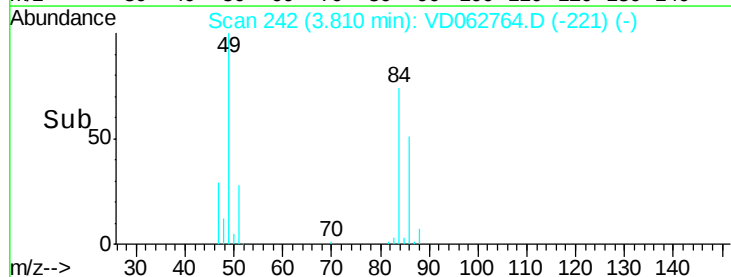
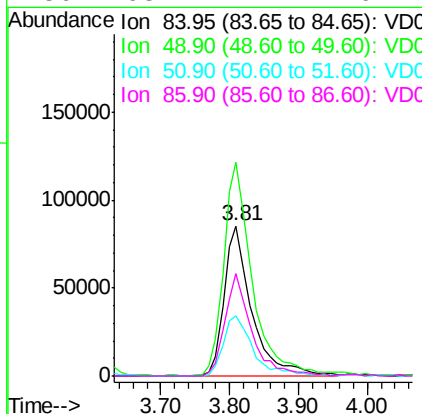
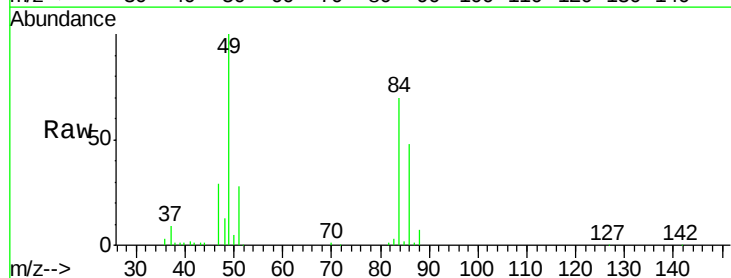
MMDadoda
 6/19/2019 3:04:04 PM

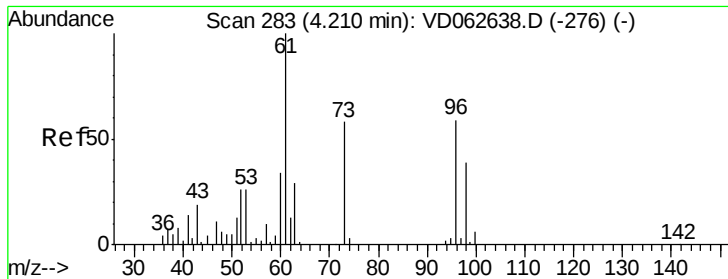


#20

Methylene Chloride
 Concen: 51.520 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.0	111.2	166.8
51	40.2	31.9	47.9
86	68.4	44.7	67.1#





#21

trans-1,2-Dichloroethene

Concen: 52.045 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 232518

Ion Ratio Lower Upper

96 100

61 152.7 134.6 201.8

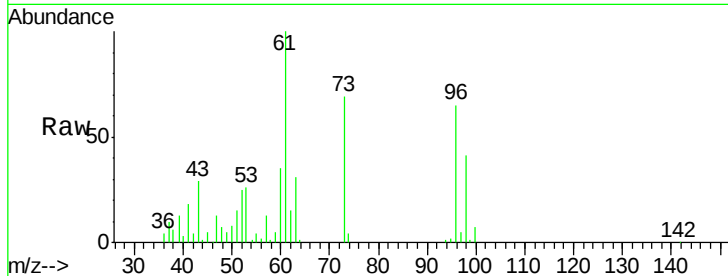
98 62.2 51.8 77.8

Manual Integrations

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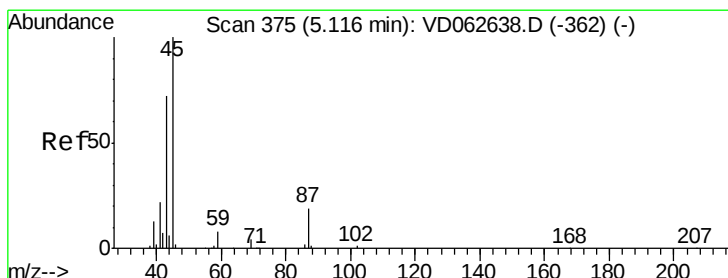
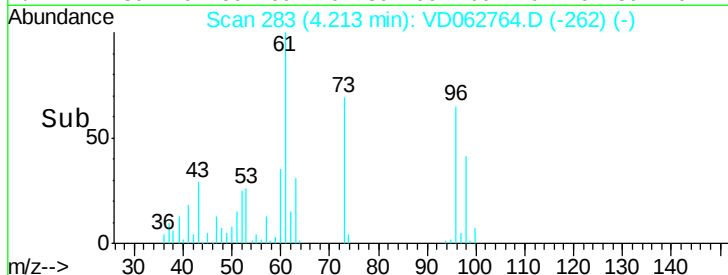
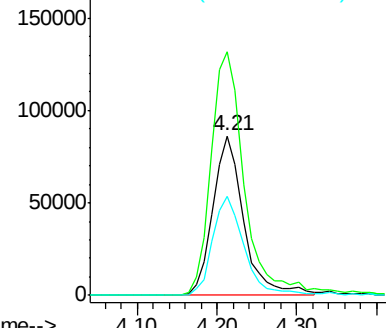
6/19/2019 3:04:04 PM



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: 57.417 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion: 45 Resp: 746613

Ion Ratio Lower Upper

45 100

43 69.2 58.8 88.2

87 18.5 15.7 23.5

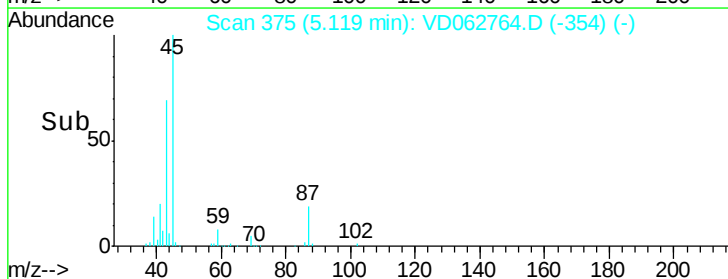
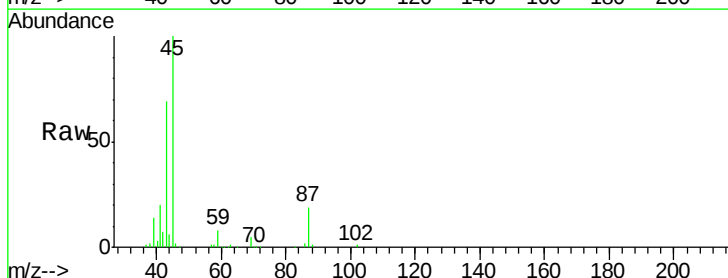
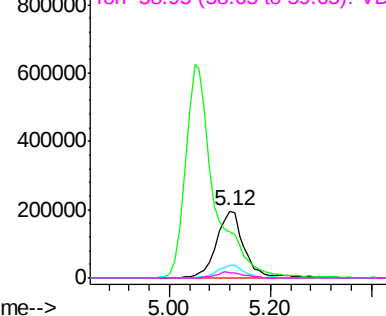
59 8.1 6.6 9.8

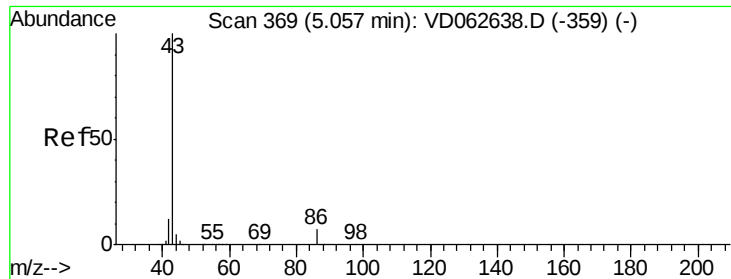
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 306.504 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tot Ion: 43 Resp: 2472602

Ion Ratio Lower Upper

43 100

86 6.1 5.3 7.9

Instrument :

MSVOA_D

ClientSampleId :

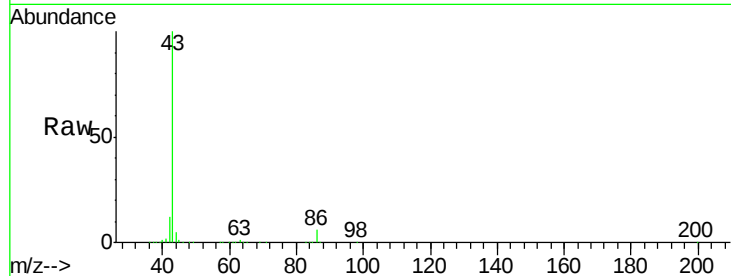
VSTDCCC050

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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

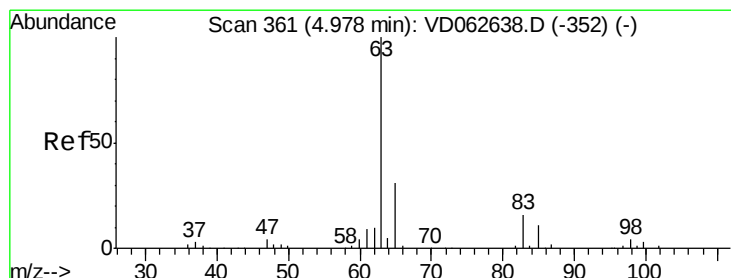
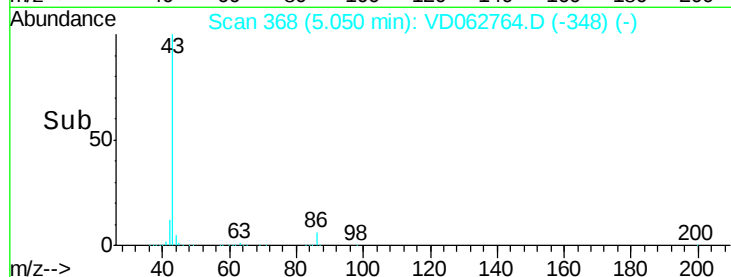
600000

400000

200000

0

Time--> 4.80 5.00 5.20



#24

1,1-Dichloroethane

Concen: 57.214 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

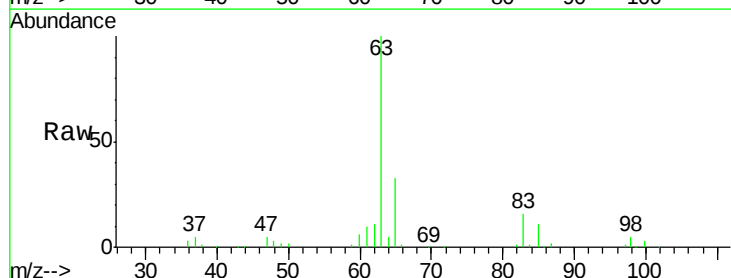
Tgt Ion: 63 Resp: 478617

Ion Ratio Lower Upper

63 100

98 5.3 1.8 5.4

100 2.5 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

4.98

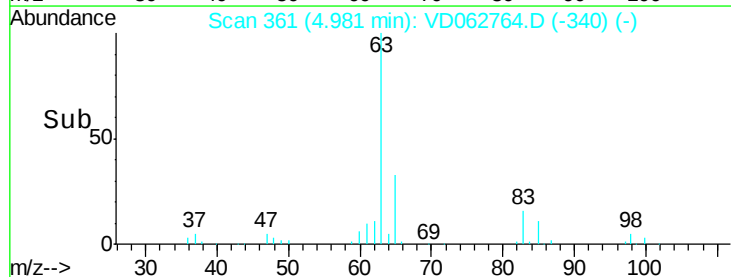
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 295.378 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 350877

Ion Ratio Lower Upper

43 100

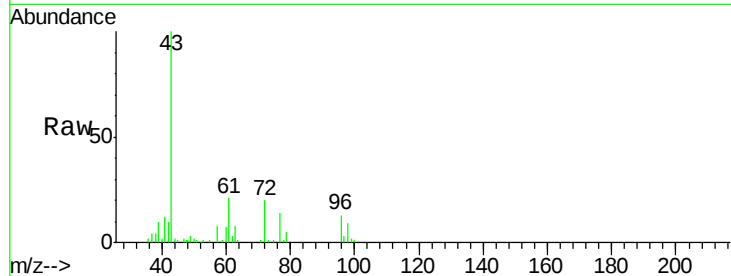
72 19.9 13.5 20.3

Manual Integrations

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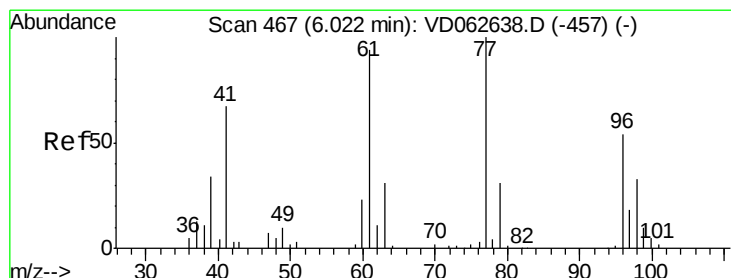
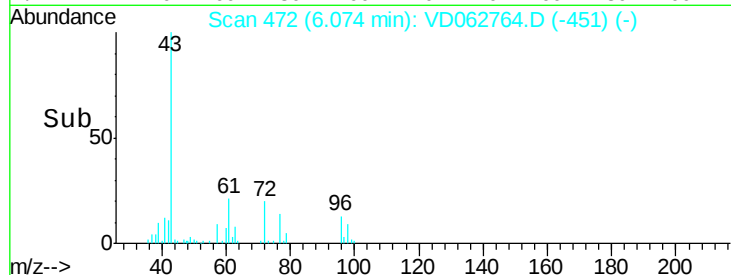
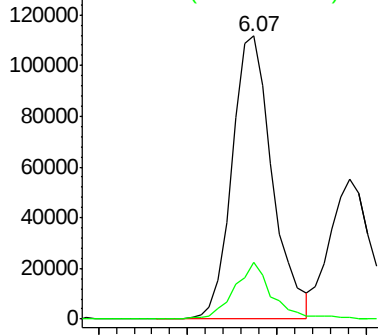
MMDadoda

6/19/2019 3:04:04 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.597 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062764.D

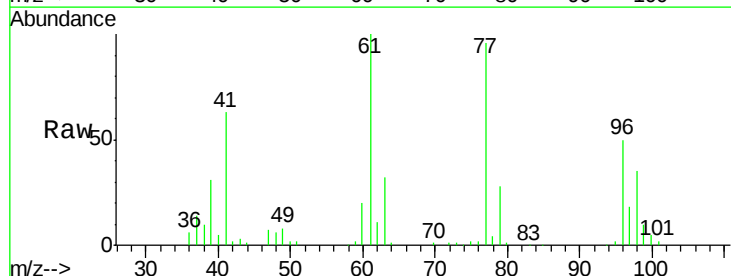
Acq: 18 Jun 2019 22:46

Tgt Ion: 77 Resp: 526374

Ion Ratio Lower Upper

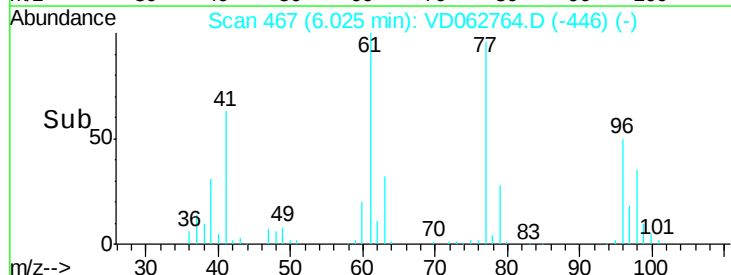
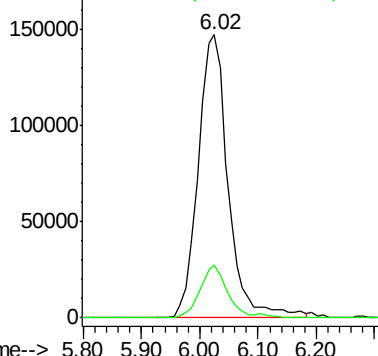
77 100

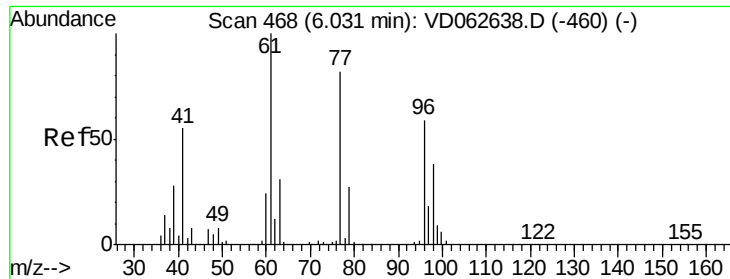
97 18.9 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

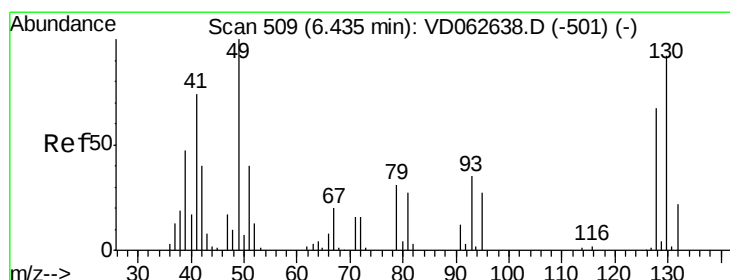
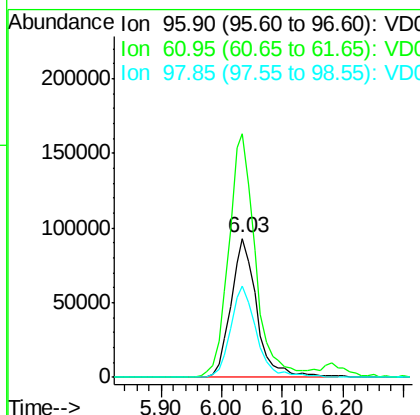
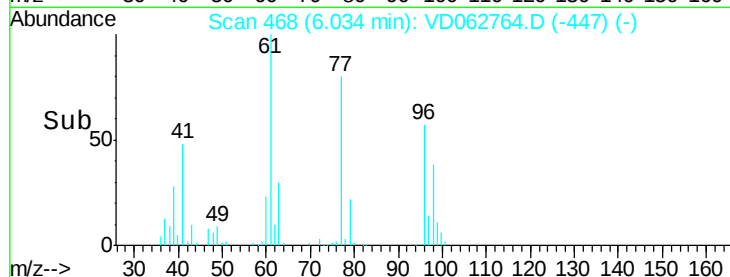
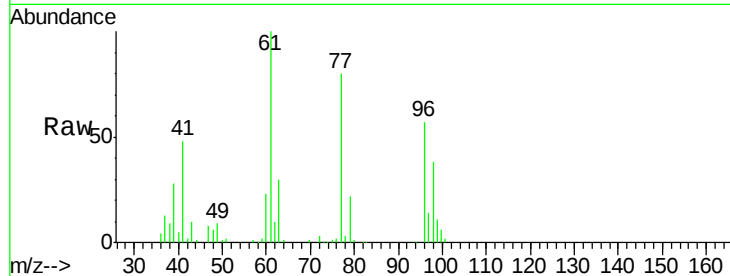
cis-1,2-Dichloroethene
Concen: 56.943 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275790		
61	174.9	0.0	340.0	
98	65.6	0.0	127.6	

Manual Integrations
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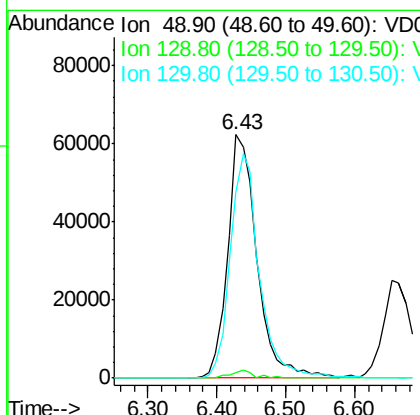
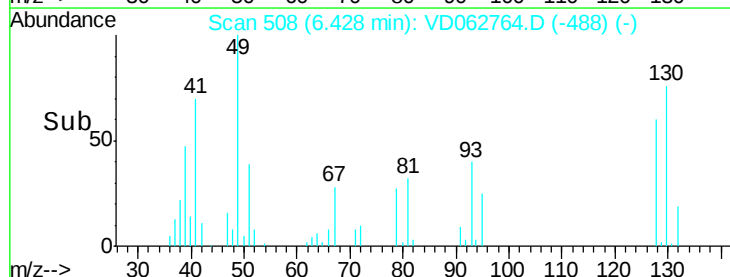
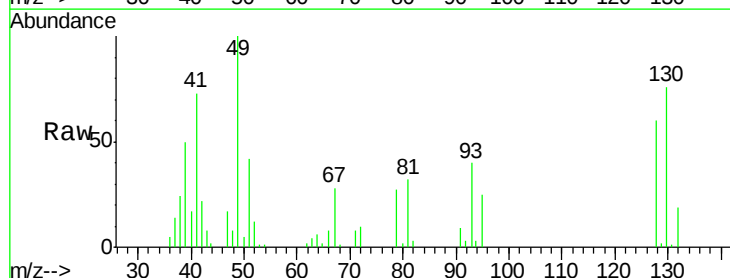
MMDadoda
6/19/2019 3:04:04 PM



#28

Bromochloromethane
Concen: 57.107 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182615		
129	2.3	0.0	8.2	
130	76.2	73.4	110.0	





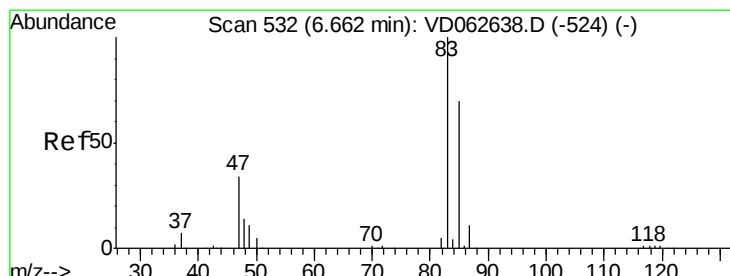
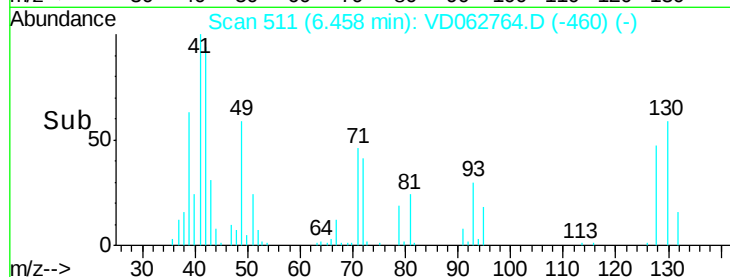
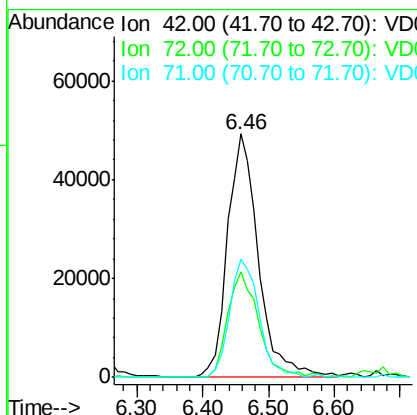
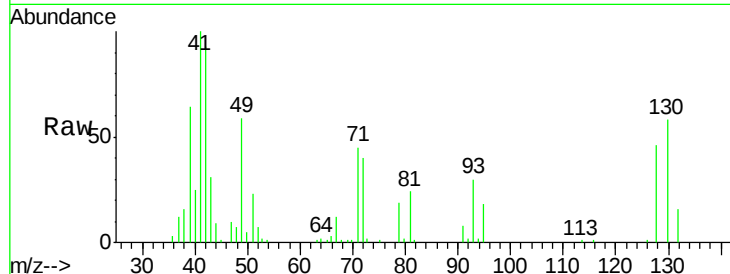
#29
Tetrahydrofuran
Concen: 303.997 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	33.8	50.6
71	45.9	34.2	51.4

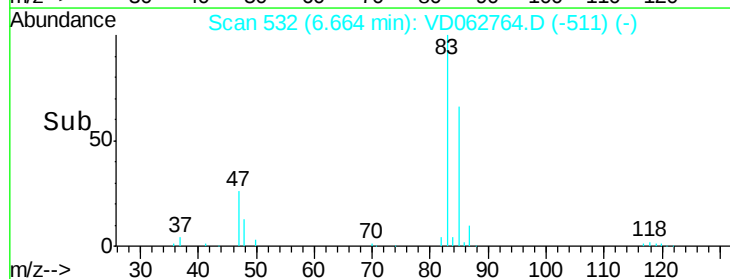
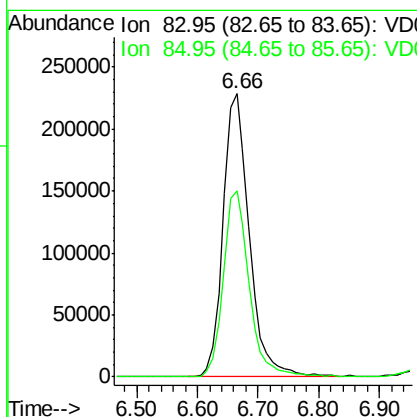
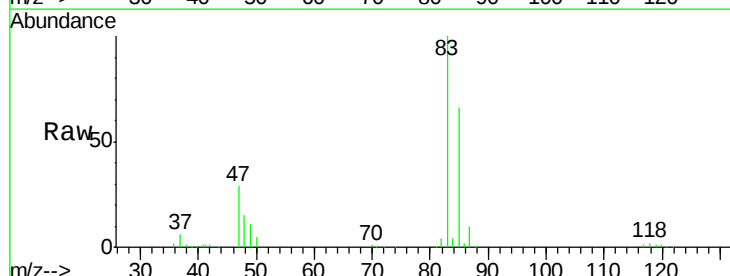
Manual Integrations
APPROVED

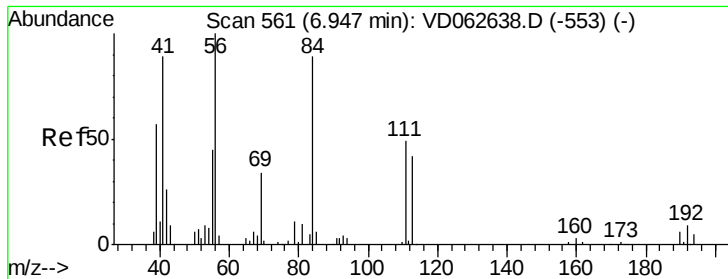
MMDadoda
6/19/2019 3:04:04 PM



#30
Chloroform
Concen: 64.028 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	55.8	83.6





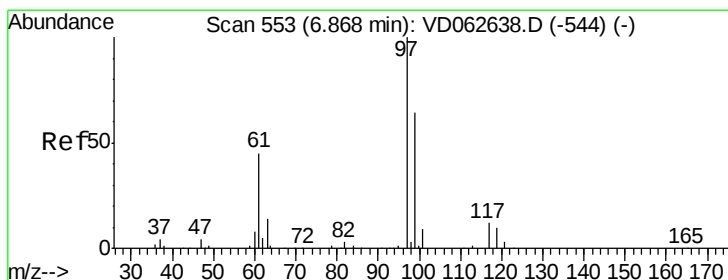
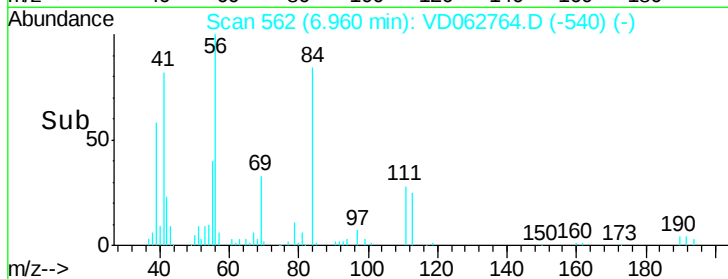
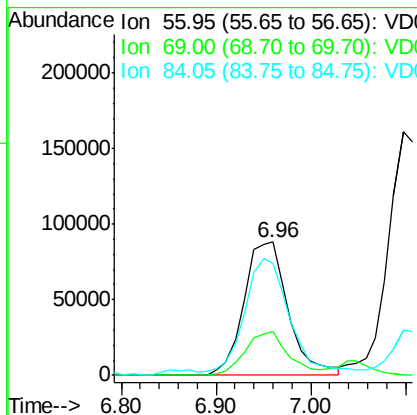
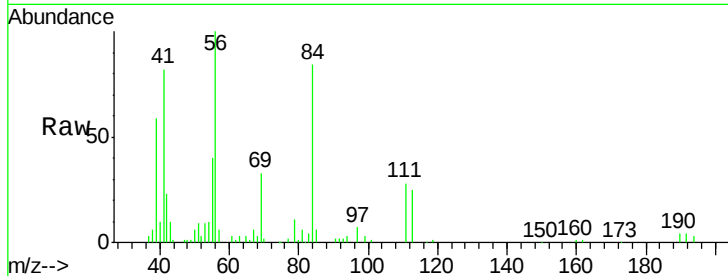
#31
Cyclohexane
Concen: 54.945 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.8	26.8	40.2	
84	84.1	73.9	110.9	

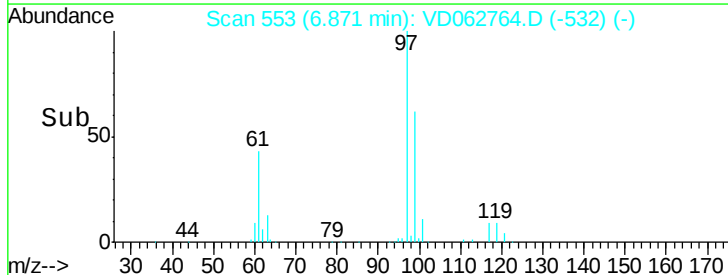
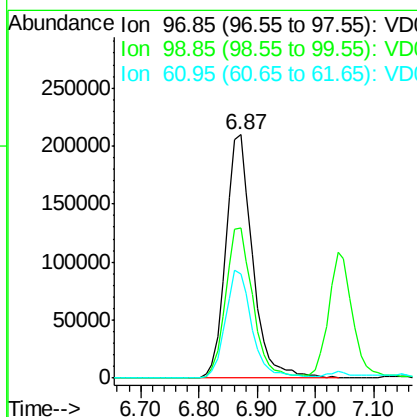
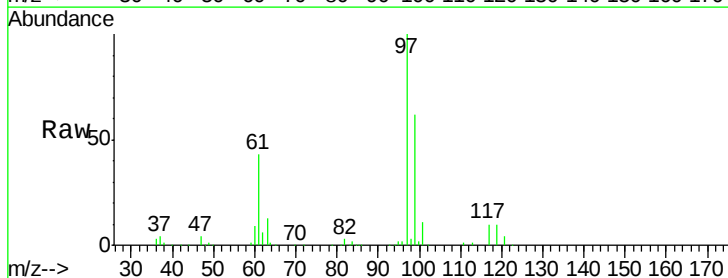
Manual Integrations
APPROVED

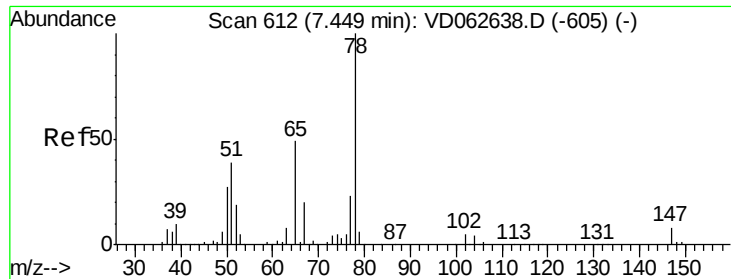
MMDadoda
6/19/2019 3:04:04 PM



#32
1,1,1-Trichloroethane
Concen: 62.594 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	61.9	51.4	77.0	
61	42.6	35.6	53.4	





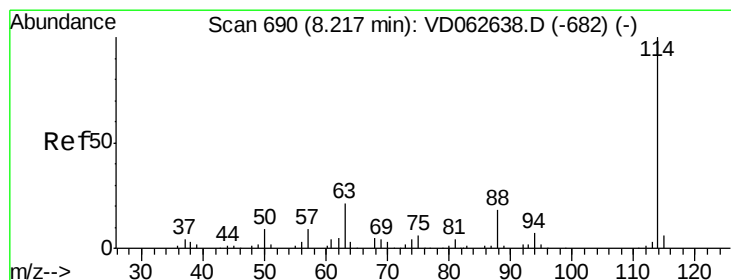
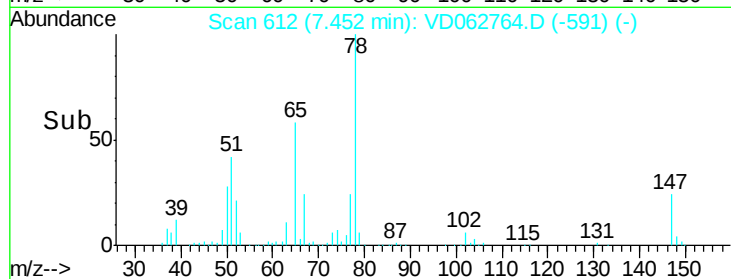
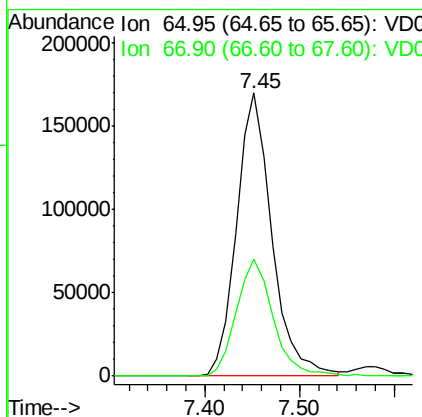
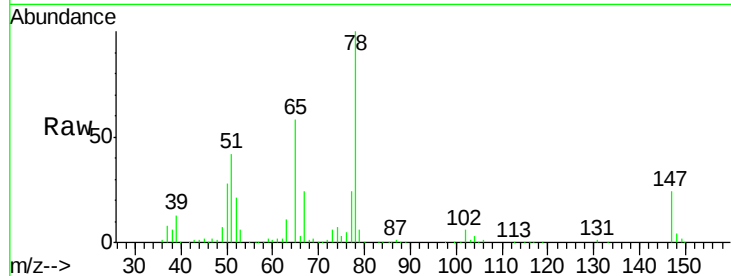
#33
 1,2-Dichloroethane-d4
 Concen: 65.813 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	437620		
67	41.3	0.0	81.8	

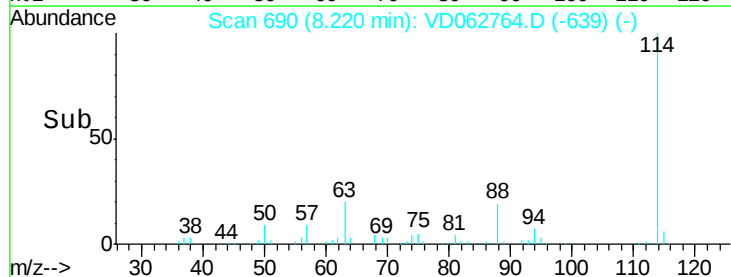
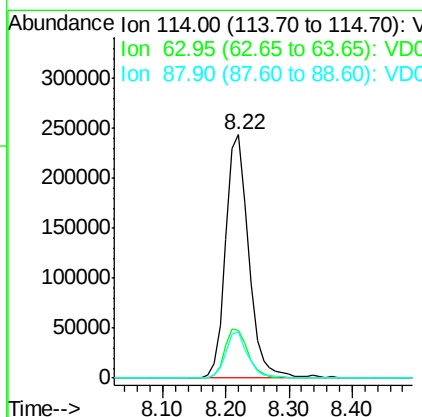
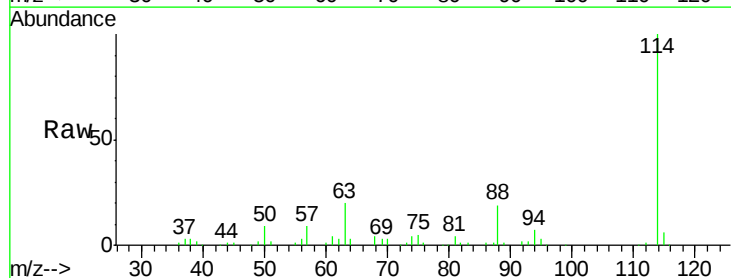
Manual Integrations
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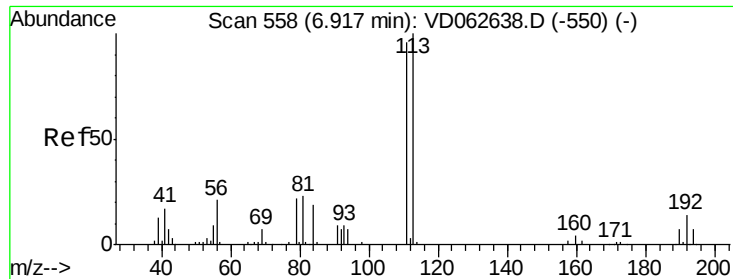
MMDadoda
 6/19/2019 3:04:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	619186		
63	19.8	0.0	42.4	
88	19.0	0.0	36.8	





#35

Dibromofluoromethane

Concen: 61.718 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

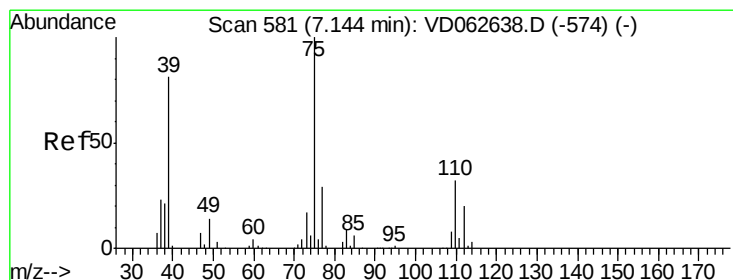
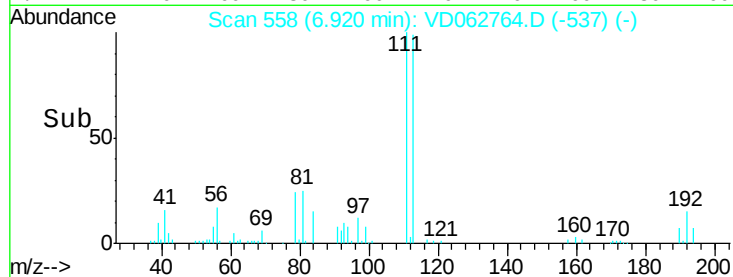
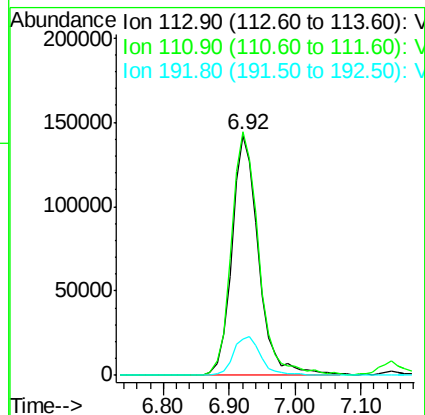
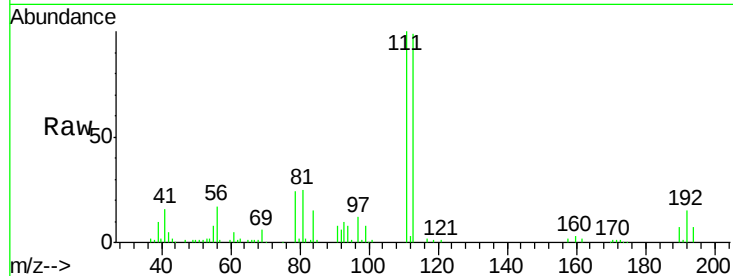
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	403030
Ion	Ratio	Lower	Upper
113	100		
111	101.3	76.4	114.6
192	15.3	11.4	17.0

Manual Integrations
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MMDadoda
6/19/2019 3:04:04 PM



#36

1,1-Dichloropropene

Concen: 53.401 ug/l

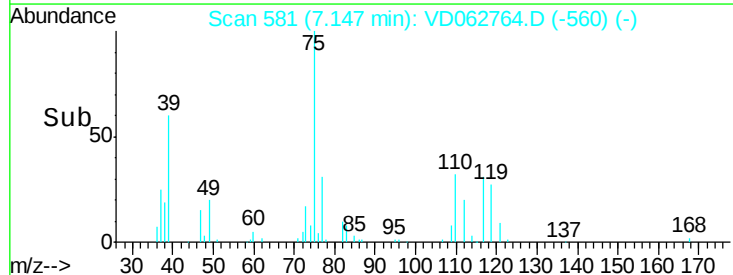
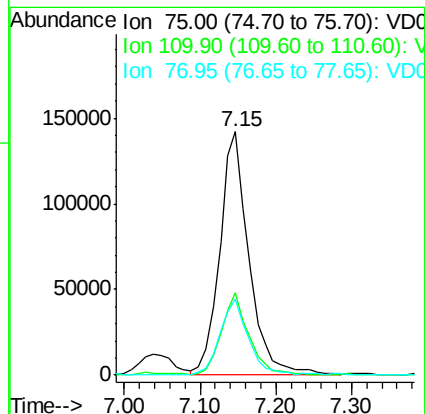
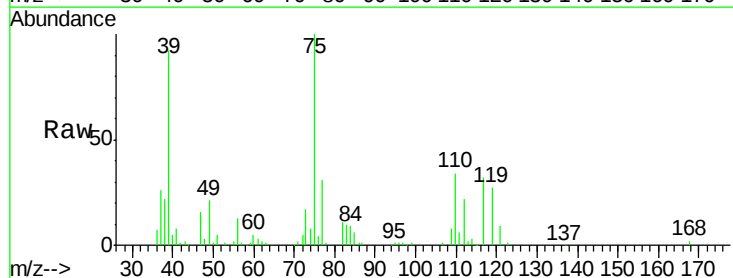
RT: 7.15 min Scan# 581

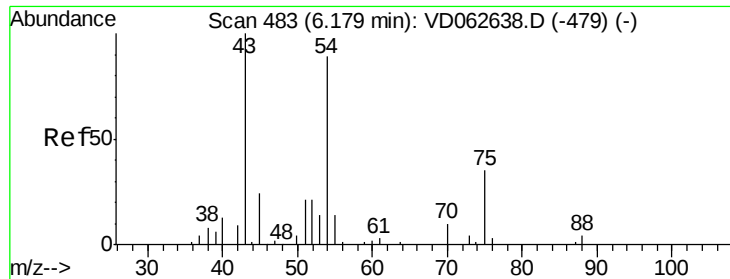
Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	75	Resp:	378431
Ion	Ratio	Lower	Upper
75	100		
110	33.7	15.9	47.7
77	31.3	23.3	34.9





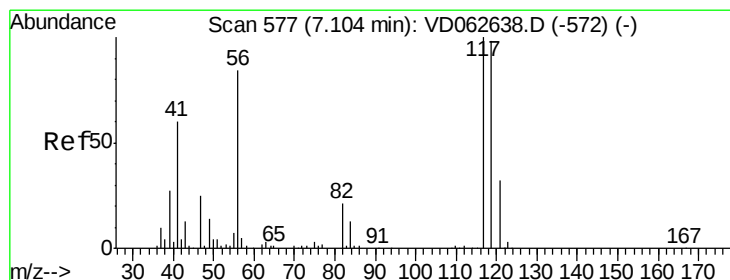
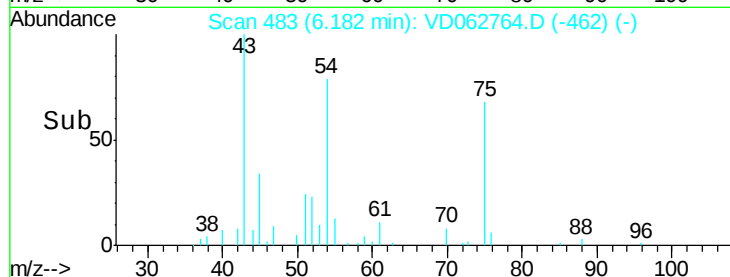
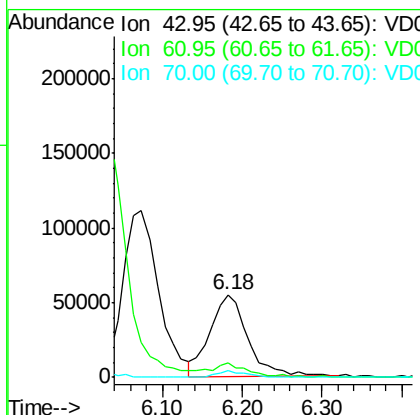
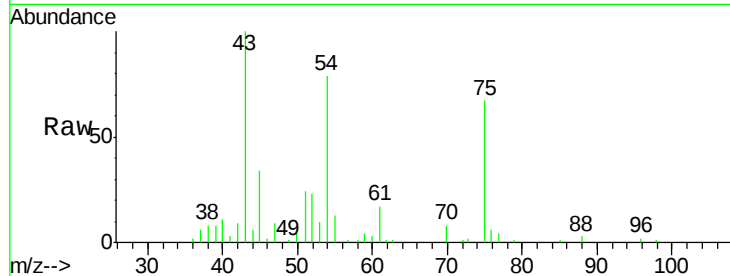
#37
Ethyl Acetate
Concen: 59.202 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	8.7	13.1#
70	8.4	6.5	9.7

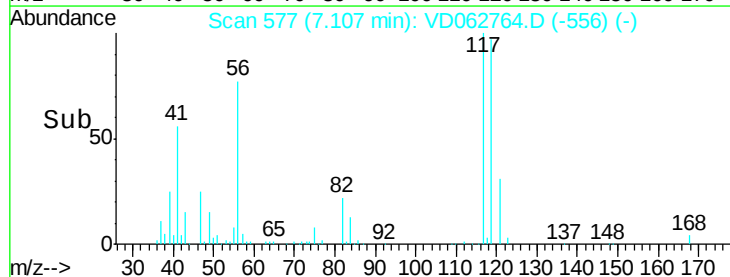
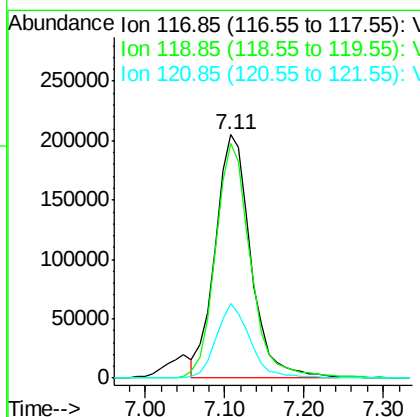
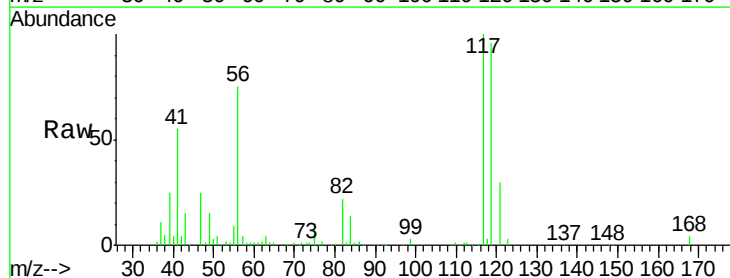
Manual Integrations
APPROVED

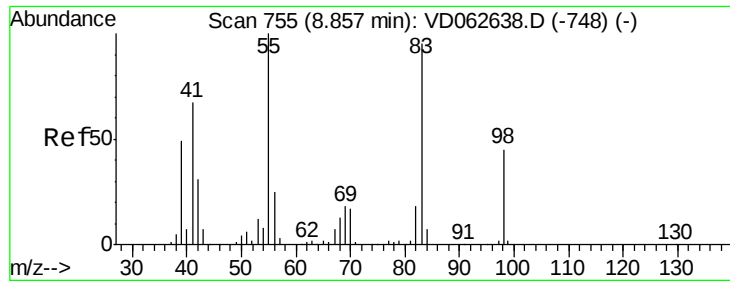
MMDadoda
6/19/2019 3:04:04 PM



#38
Carbon Tetrachloride
Concen: 57.950 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.5	110.3
121	30.4	24.2	36.4





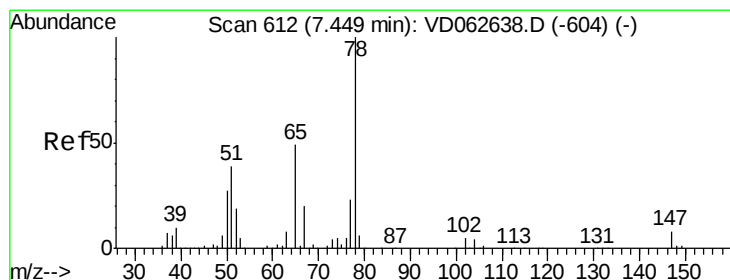
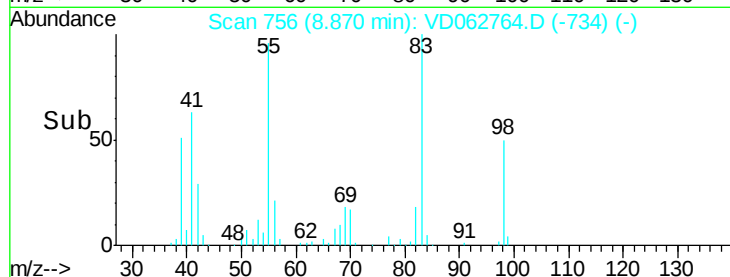
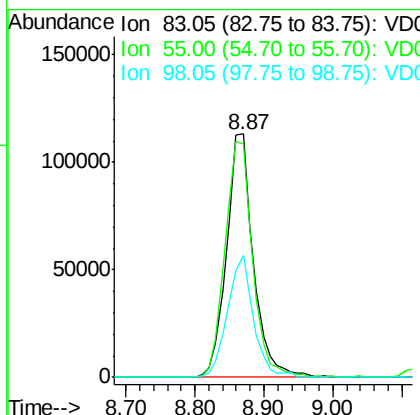
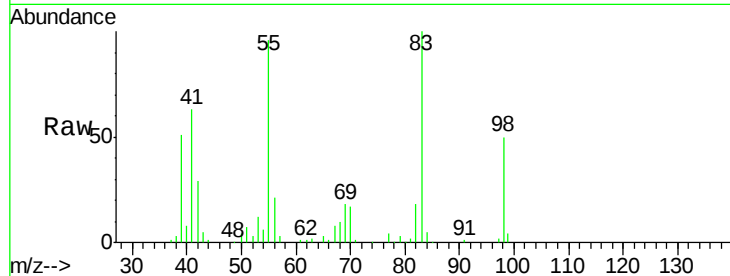
#39
Methvlcvclohexane
Concen: 53.349 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.9	84.6	127.0
98	50.4	38.2	57.4

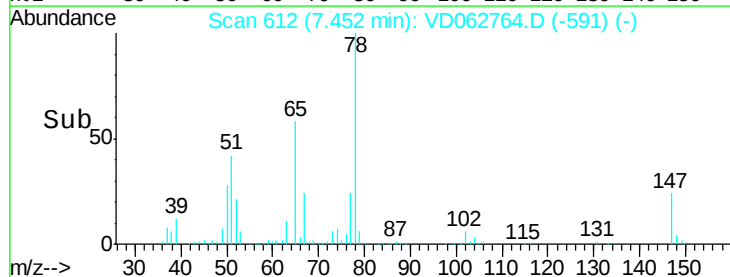
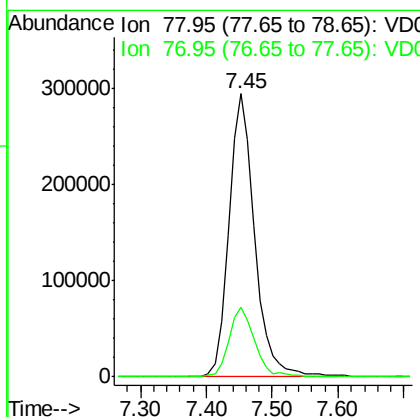
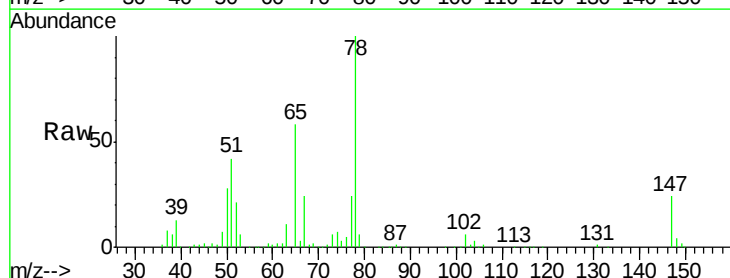
Manual Integrations
APPROVED

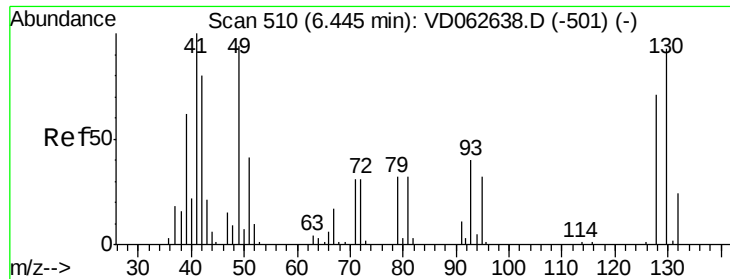
MMDadoda
6/19/2019 3:04:04 PM



#40
Benzene
Concen: 58.172 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





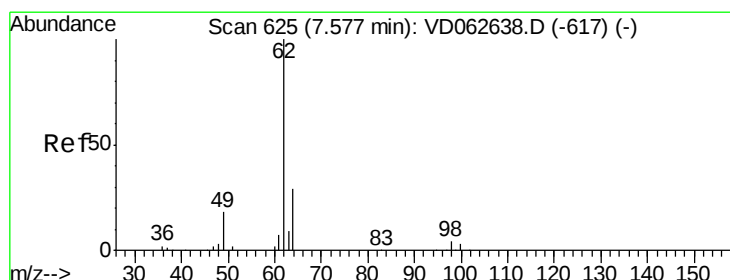
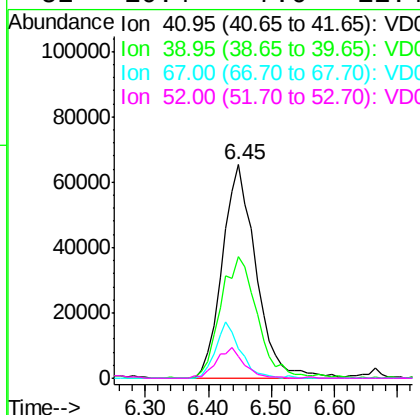
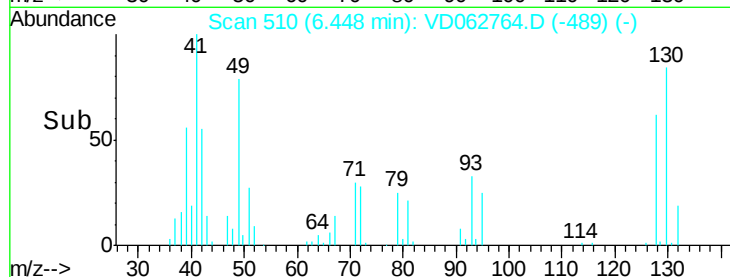
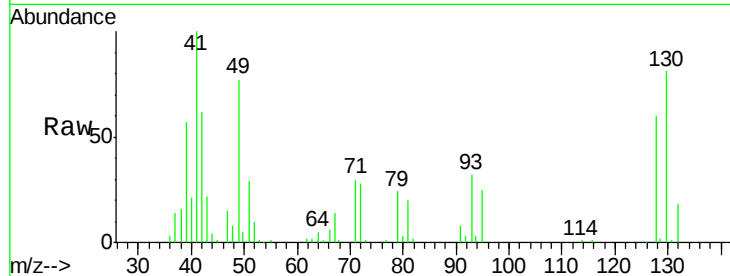
#41
Methacrylonitrile
Concen: 65.225 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	49.2	73.8
67	13.8	13.9	20.9
52	10.4	7.6	11.4

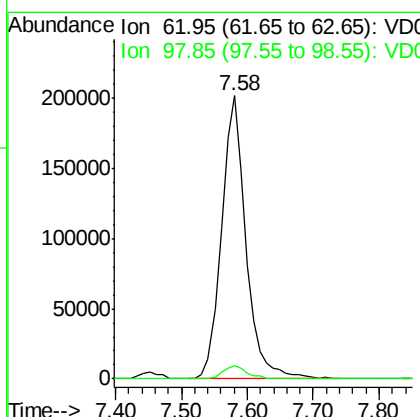
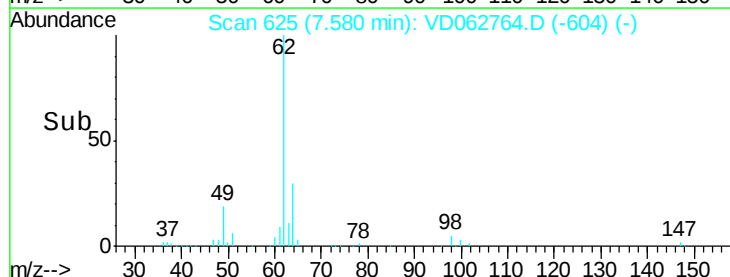
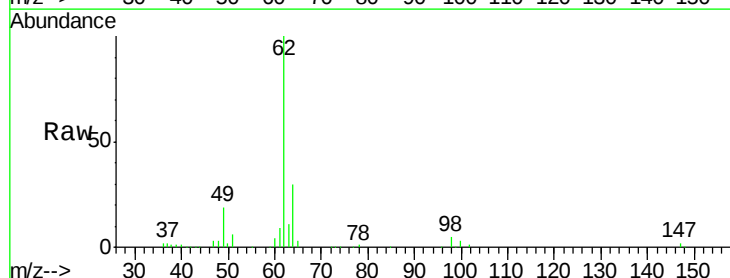
Manual Integrations
APPROVED

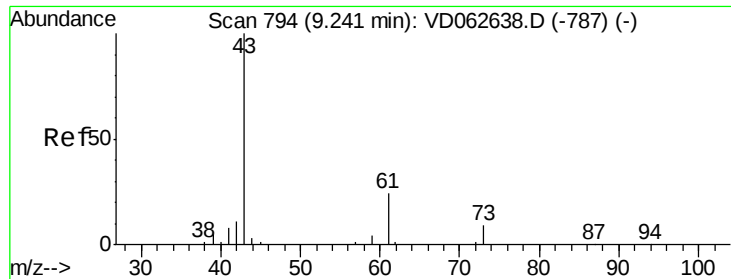
MMDadoda
6/19/2019 3:04:04 PM



#42
1,2-Dichloroethane
Concen: 62.818 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	7.4





#43

Isopropyl Acetate

Concen: 61.952 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

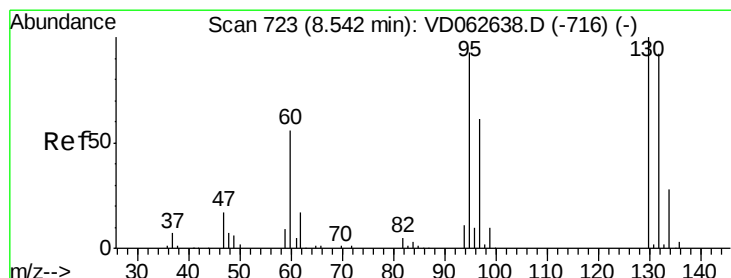
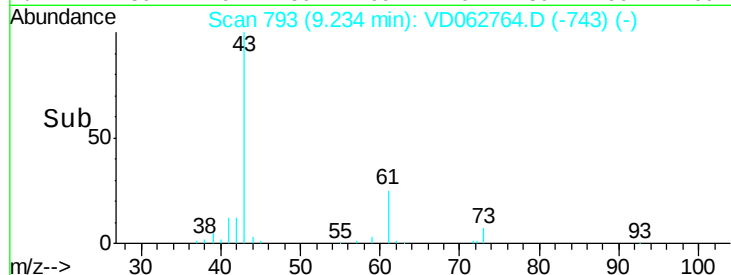
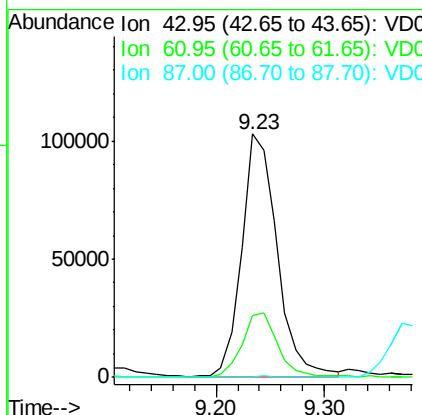
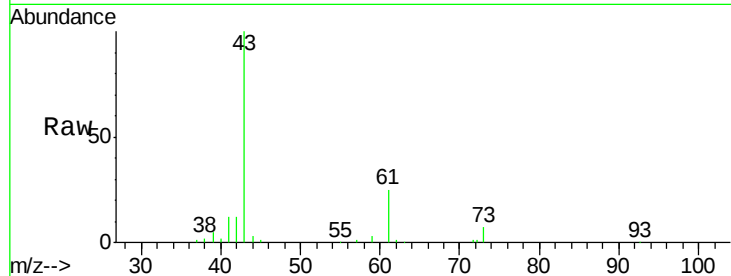
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	231648
Ion	Ratio	Lower	Upper
43	100		
61	25.5	19.0	28.6
87	0.0	0.3	0.5#

Manual Integrations
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#44

Trichloroethene

Concen: 59.590 ug/l

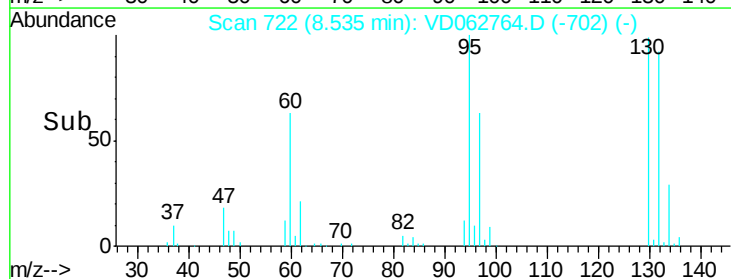
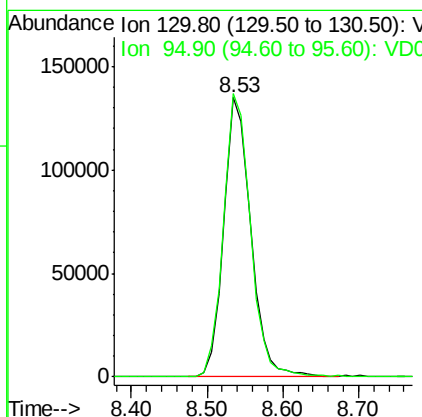
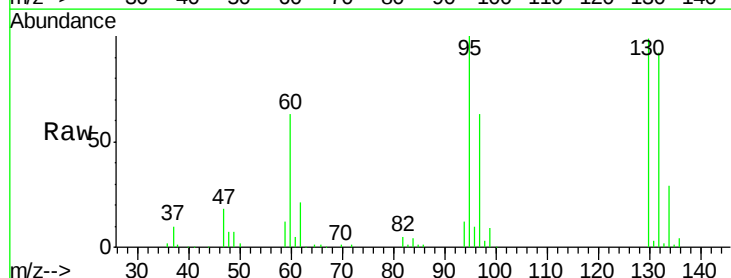
RT: 8.53 min Scan# 722

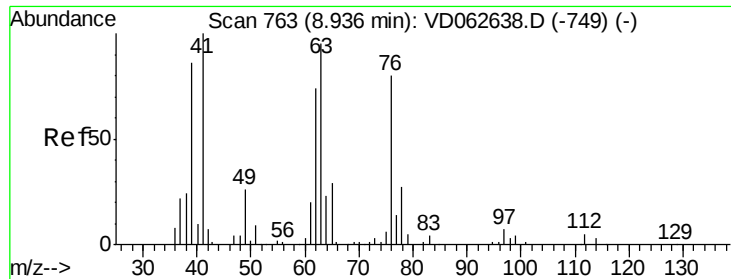
Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	130	Resp:	334804
Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	185.6





#45

1,2-Dichloropropane

Concen: 61.403 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 204115

Ion Ratio Lower Upper

63 100

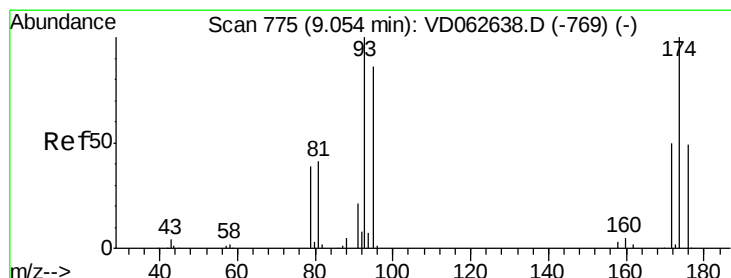
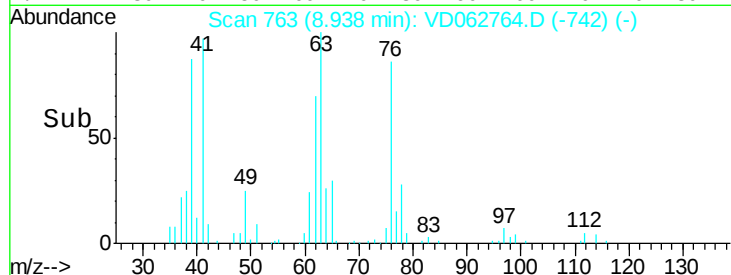
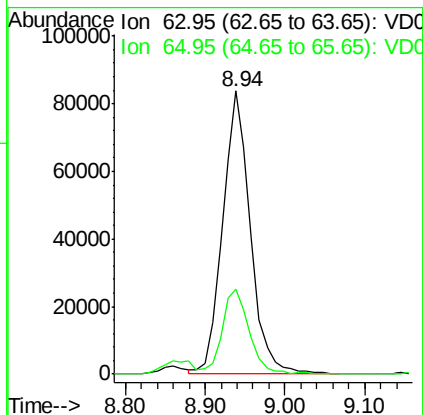
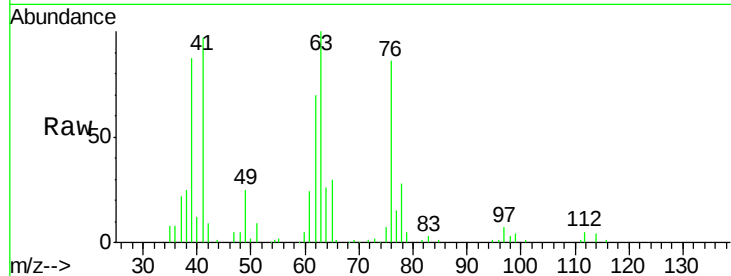
65 30.2 24.6 37.0

Manual Integrations

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6/19/2019 3:04:04 PM



#46

Dibromomethane

Concen: 68.026 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

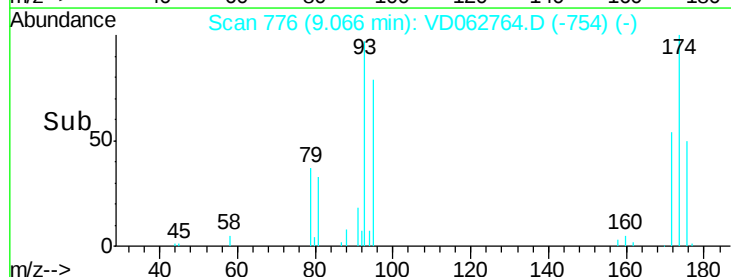
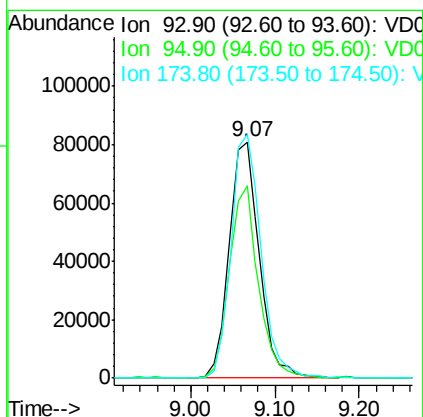
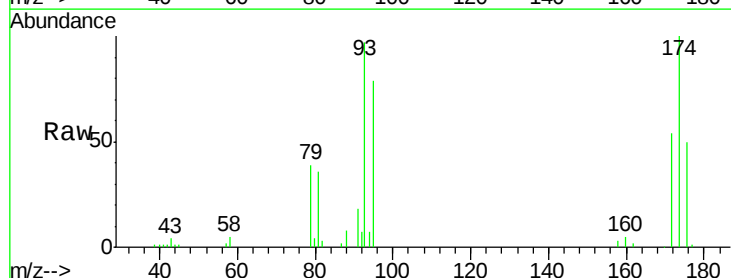
Tgt Ion: 93 Resp: 200725

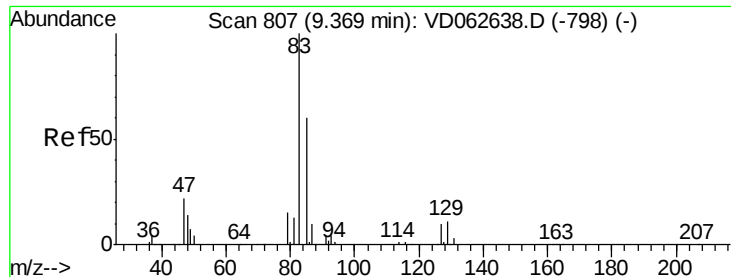
Ion Ratio Lower Upper

93 100

95 81.5 68.7 103.1

174 103.1 79.8 119.8





#47

Bromodichloromethane

Concen: 65.738 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

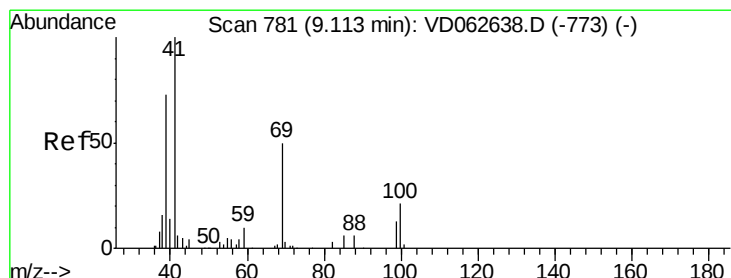
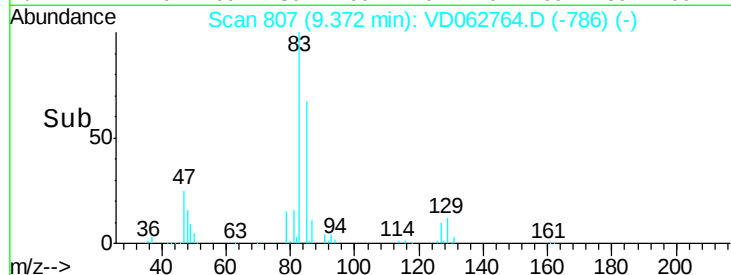
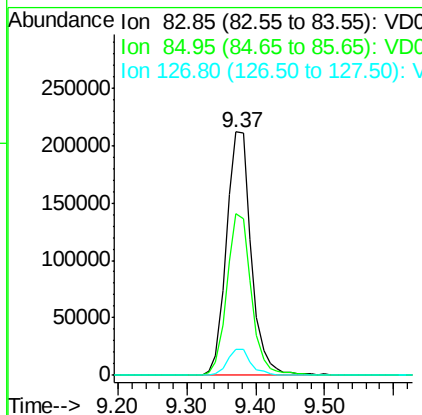
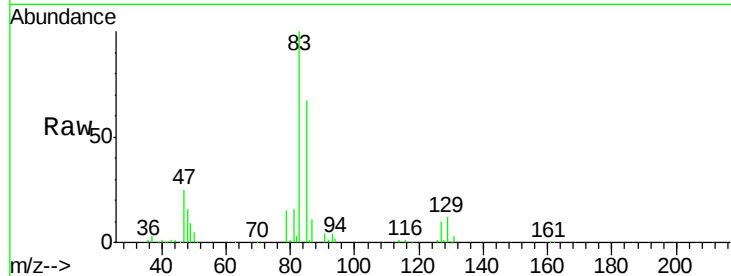
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	527666
Ion	Ratio	Lower	Upper
83	100		
85	66.5	47.9	71.9
127	10.4	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 64.825 ug/l

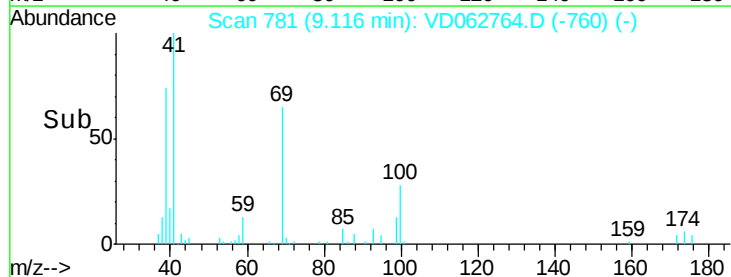
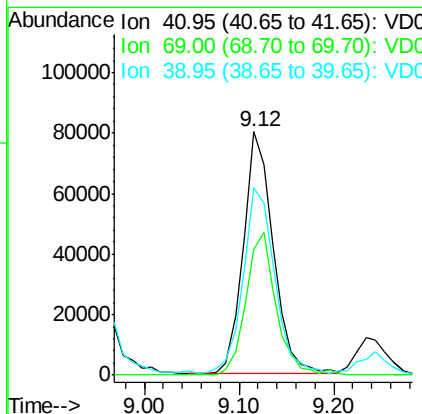
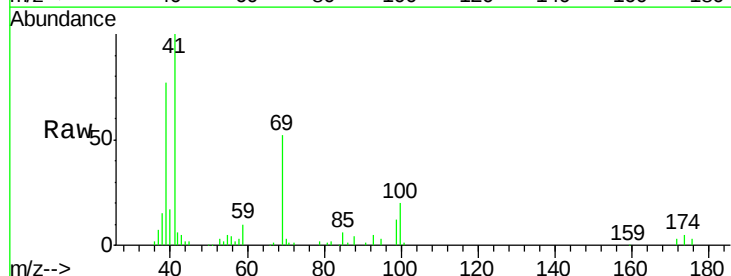
RT: 9.12 min Scan# 781

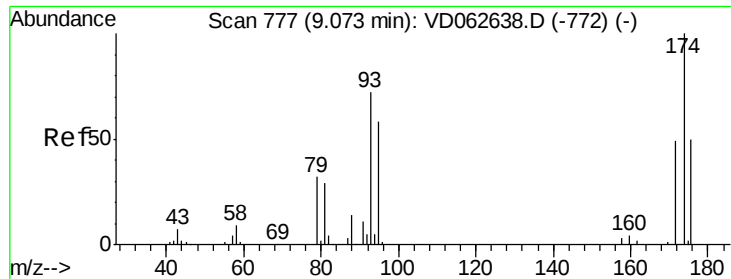
Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	41	Resp:	175114
Ion	Ratio	Lower	Upper
41	100		
69	51.7	39.8	59.6
39	76.8	59.1	88.7





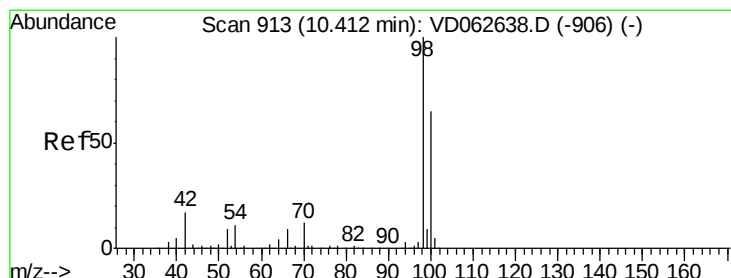
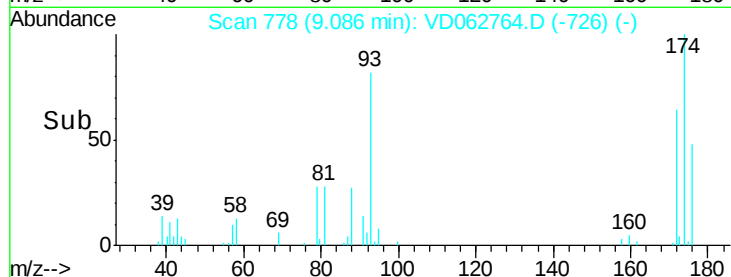
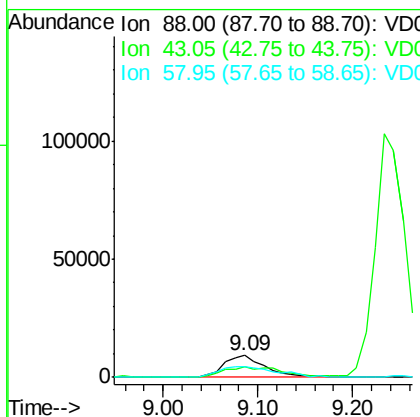
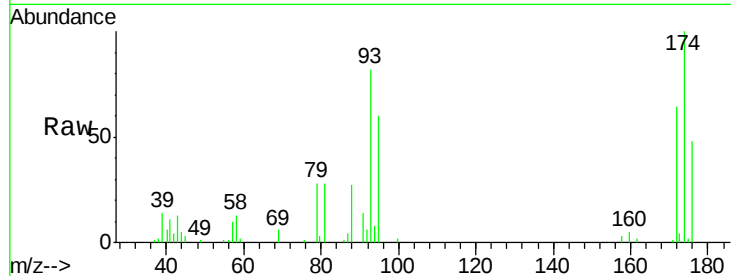
#49
 1,4-Dioxane
 Concen: 1162.403 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.2	40.7	61.1
58	48.8	54.2	81.4

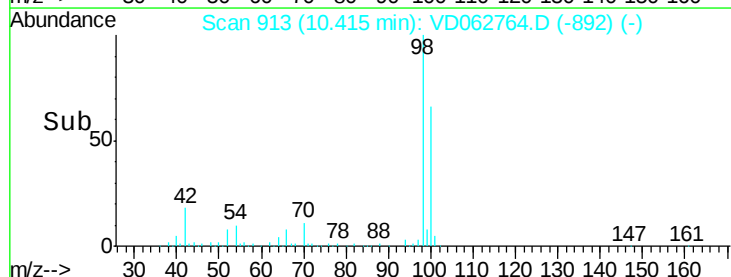
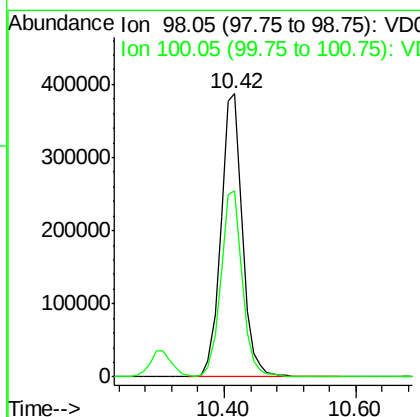
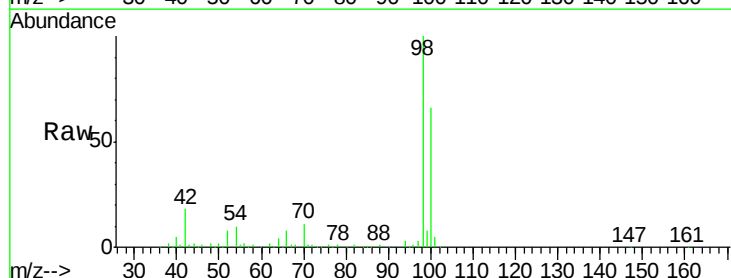
Manual Integrations
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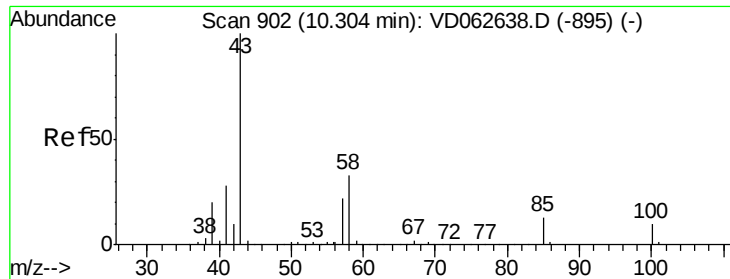
MMDadoda
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#50
 Toluene-d8
 Concen: 64.189 ug/l
 RT: 10.42 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 327.064 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 855723

Ion Ratio Lower Upper

43 100

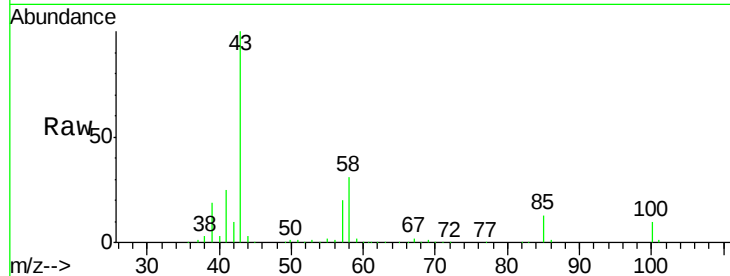
58 30.7 26.1 39.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

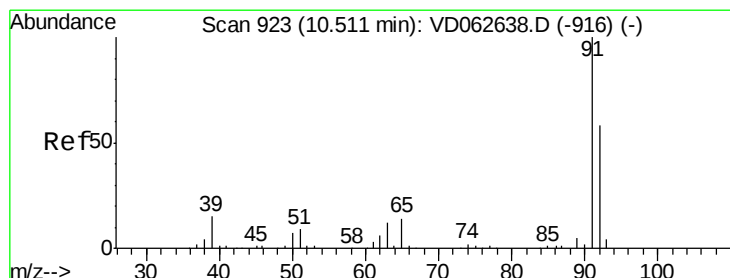
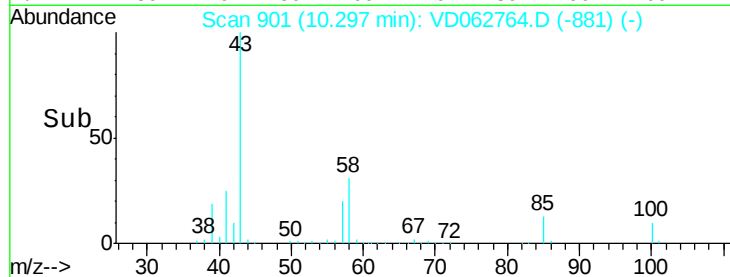
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 60.978 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062764.D

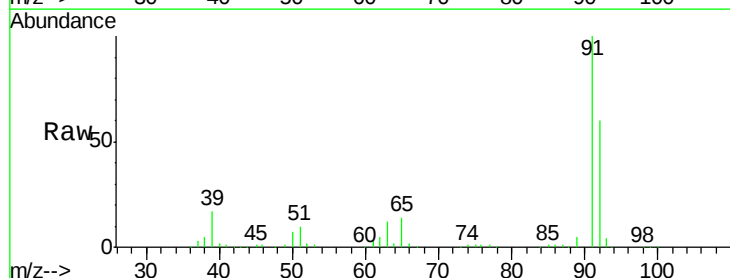
Acq: 18 Jun 2019 22:46

Tgt Ion: 92 Resp: 567260

Ion Ratio Lower Upper

92 100

91 167.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

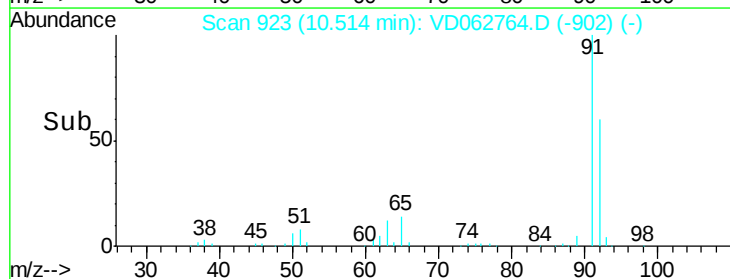
300000

200000

100000

0

Time-->





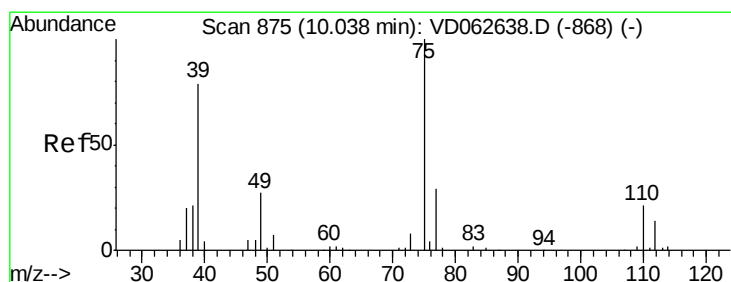
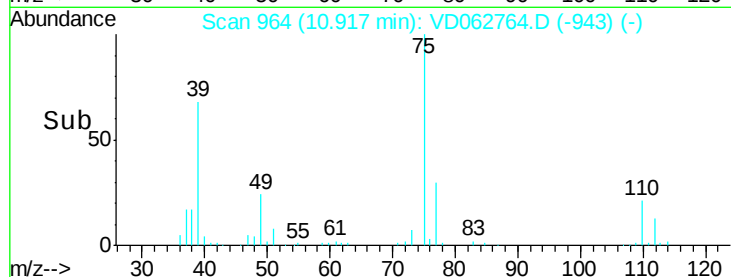
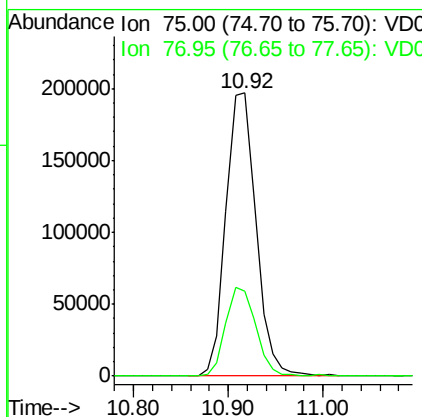
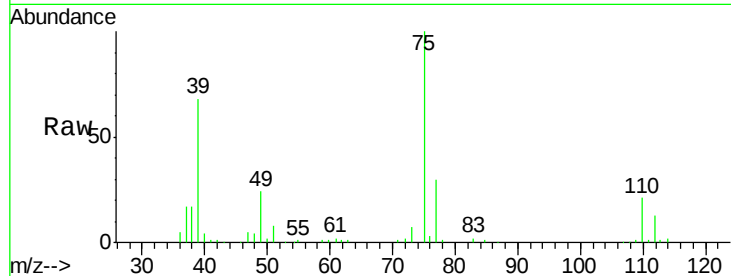
#53
 t-1,3-Dichloropropene
 Concen: 66.233 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 435879
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.1 36.1

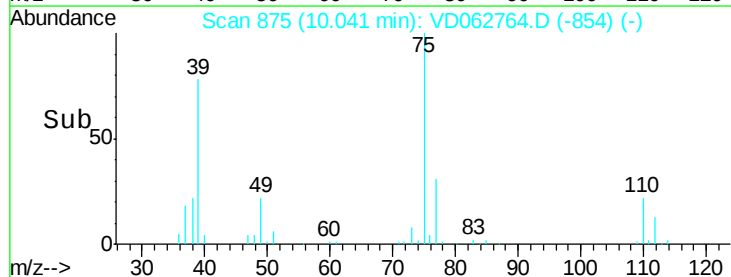
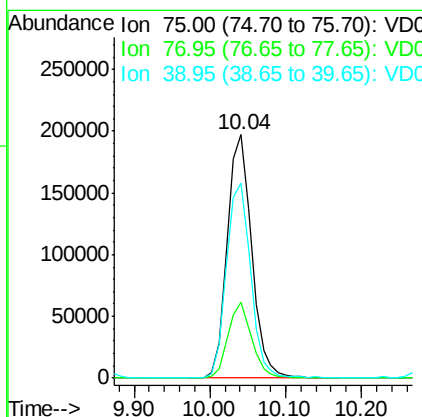
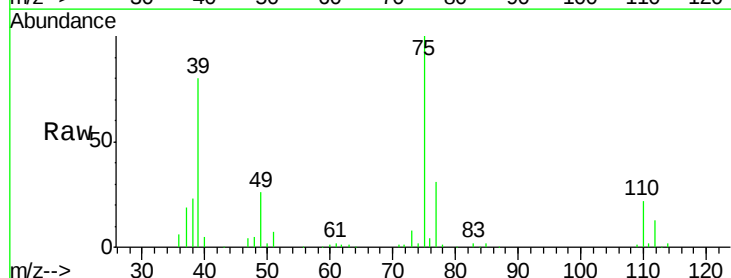
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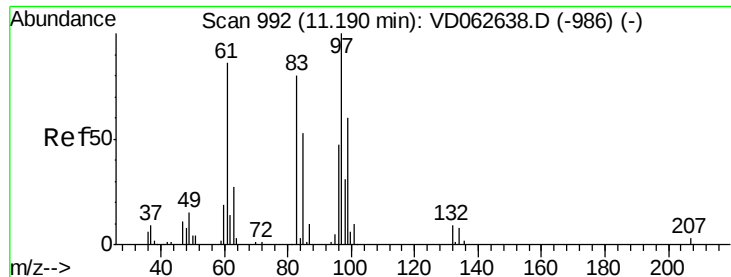
MMDadoda
 6/19/2019 3:04:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 64.614 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 75 Resp: 439491
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.1 34.7
 39 80.1 63.4 95.2





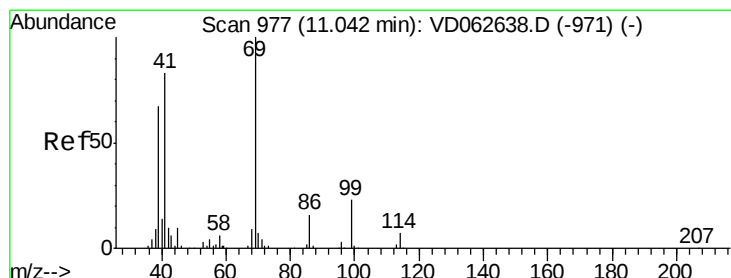
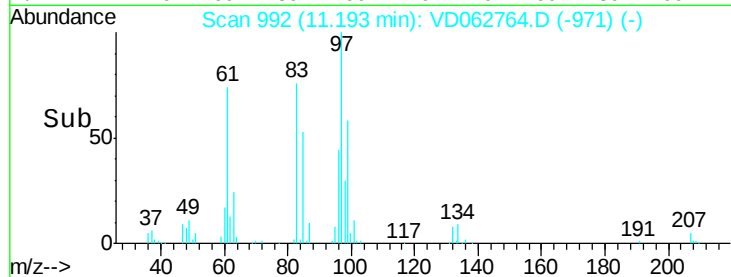
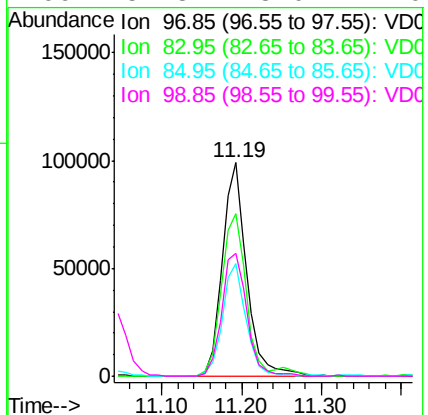
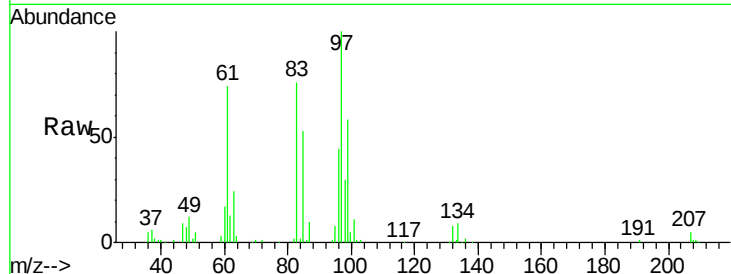
#55
 1,1,2-Trichloroethane
 Concen: 66.598 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	212465
Ion	Ratio	Lower	Upper
97	100		
83	76.1	63.8	95.8
85	52.8	42.3	63.5
99	57.8	48.0	72.0

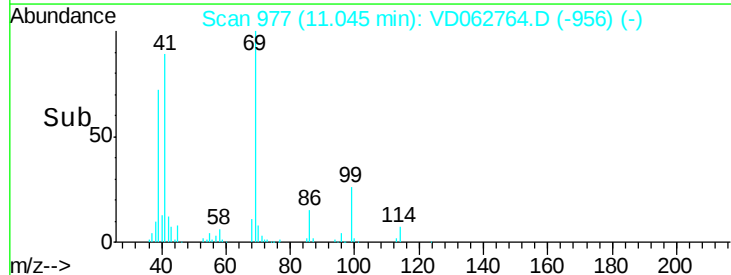
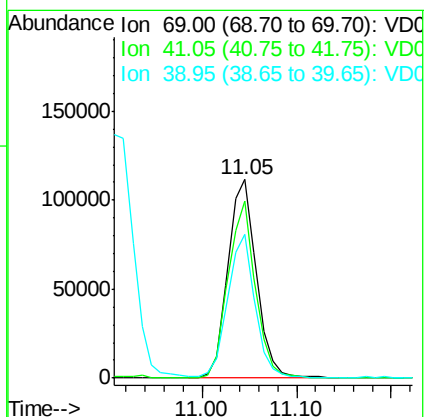
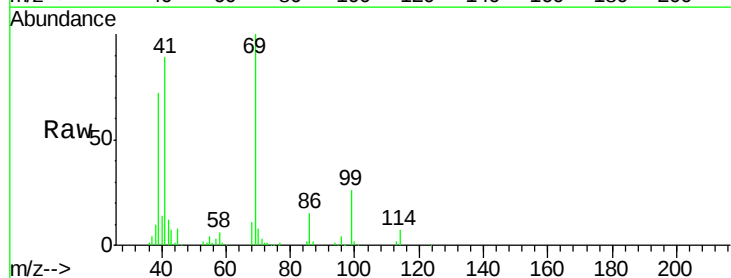
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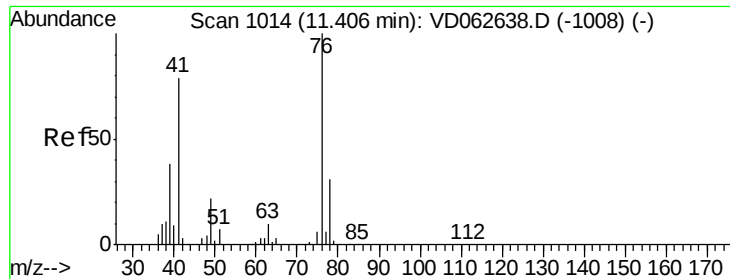
MMDadoda
 6/19/2019 3:04:04 PM



#56
 Ethyl methacrylate
 Concen: 59.681 ug/l
 RT: 11.05 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion:	69	Resp:	232589
Ion	Ratio	Lower	Upper
69	100		
41	88.9	66.2	99.4
39	72.3	53.8	80.8





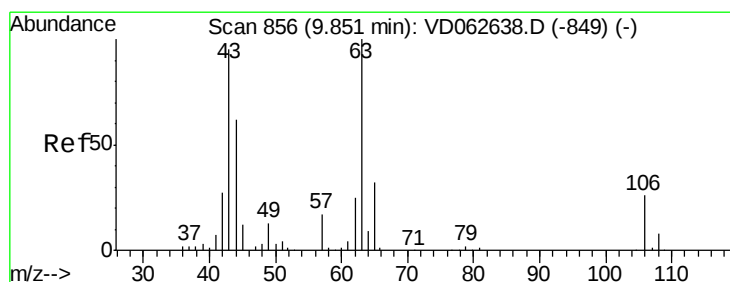
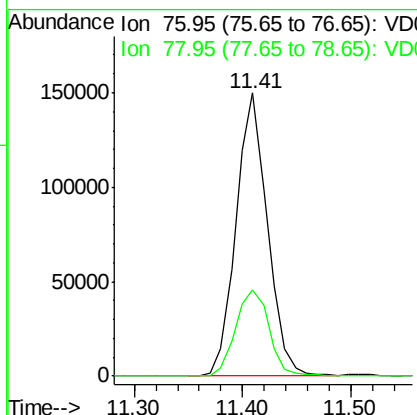
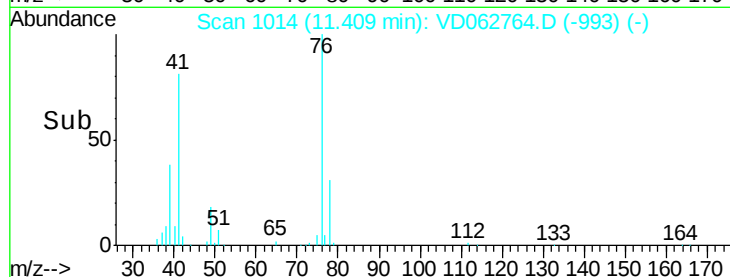
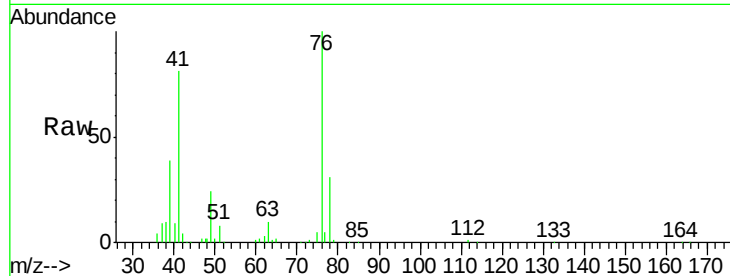
#57
 1,3-Dichloropropane
 Concen: 61.085 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 302045
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.9 37.3

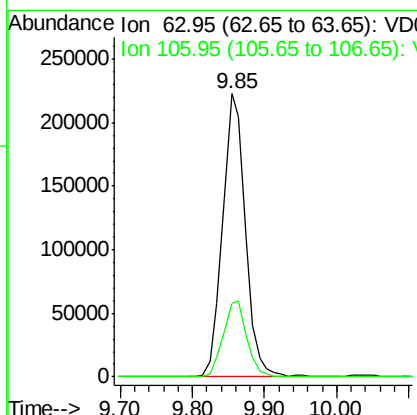
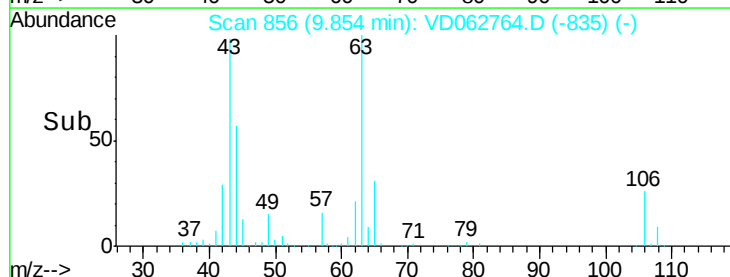
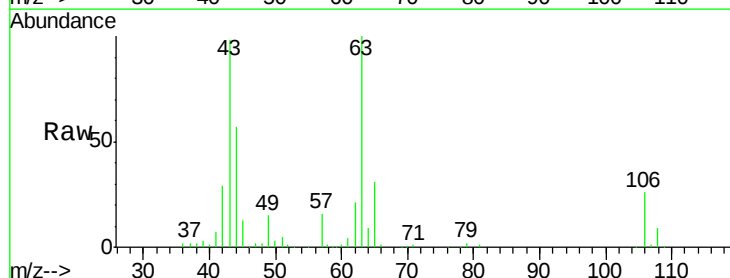
Manual Integrations
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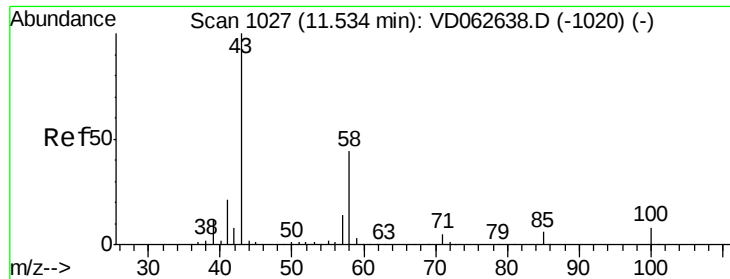
MMDadoda
 6/19/2019 3:04:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.498 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 63 Resp: 486805
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.5 30.7





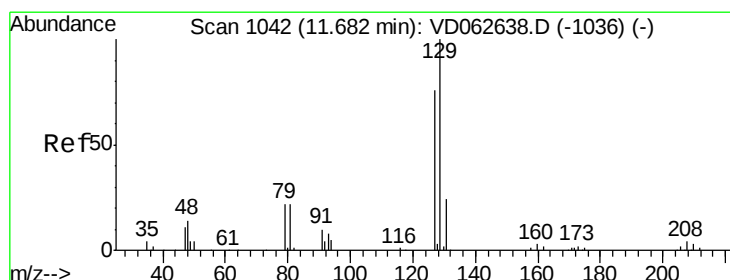
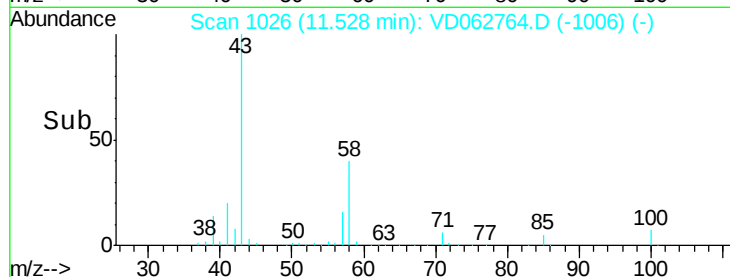
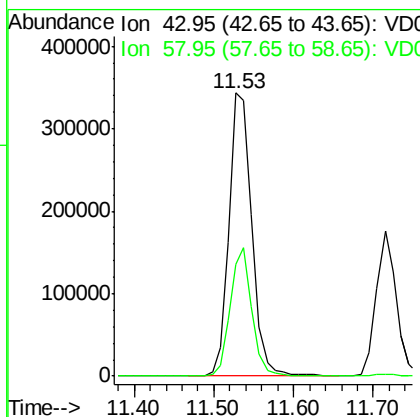
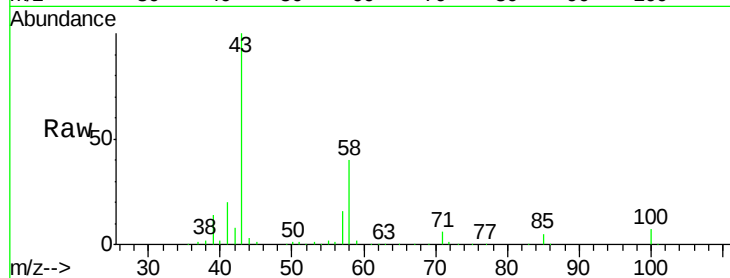
#59
2-Hexanone
Concen: 357.048 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 694895
Ion Ratio Lower Upper
43 100
58 39.5 21.8 65.4

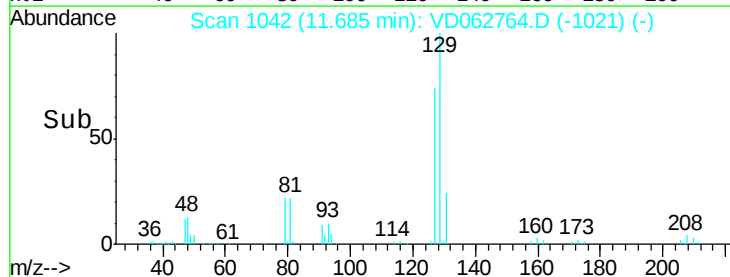
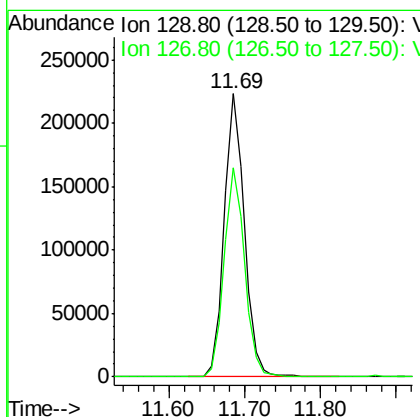
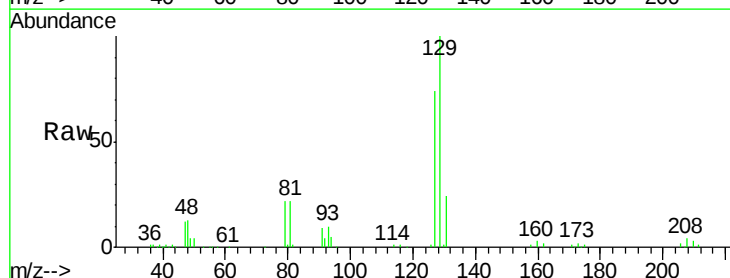
Manual Integrations
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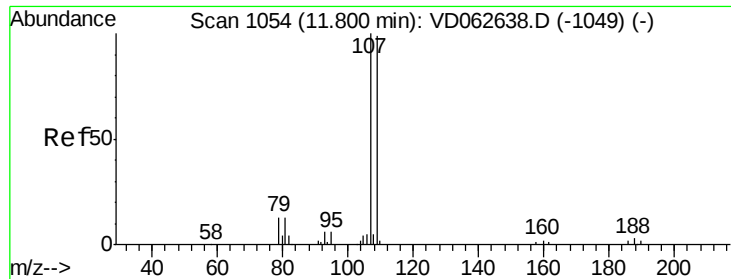
MMDadoda
6/19/2019 3:04:04 PM



#60
Dibromochloromethane
Concen: 65.341 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 129 Resp: 411490
Ion Ratio Lower Upper
129 100
127 74.0 38.0 114.1





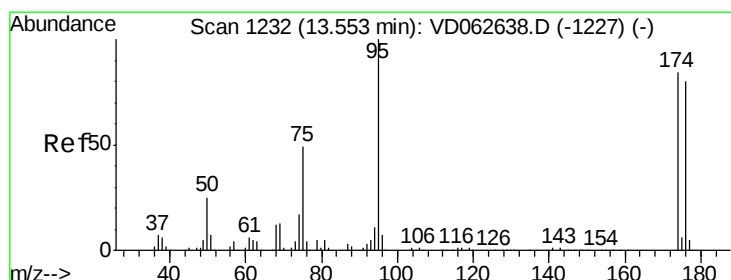
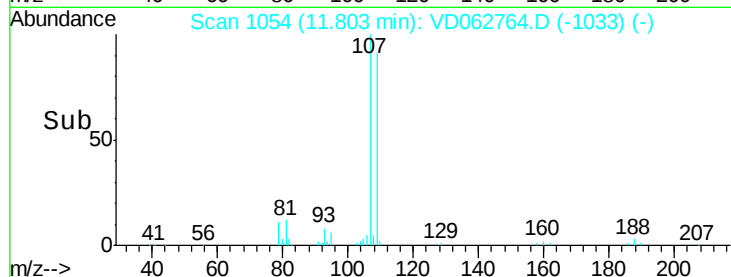
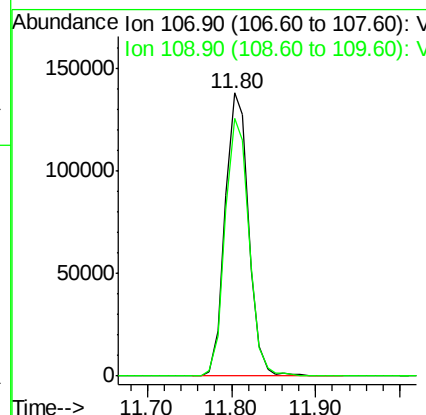
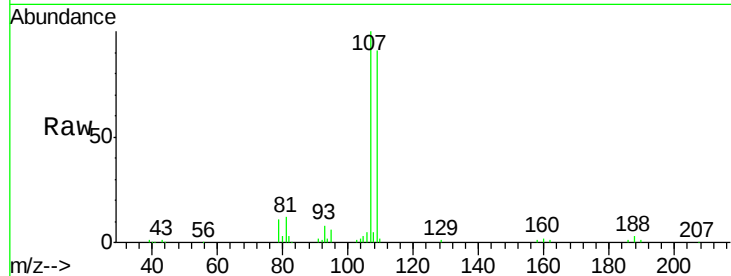
#61
 1,2-Dibromoethane
 Concen: 70.128 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 267765
 Ion Ratio Lower Upper
 107 100
 109 91.0 79.2 118.8

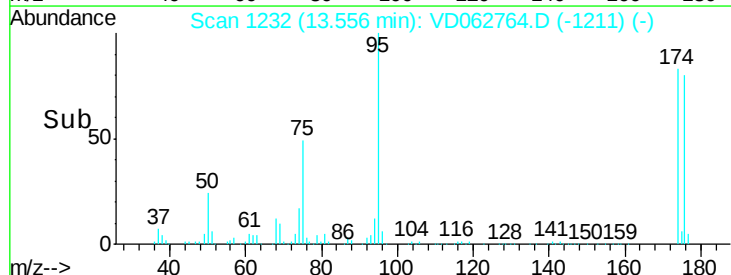
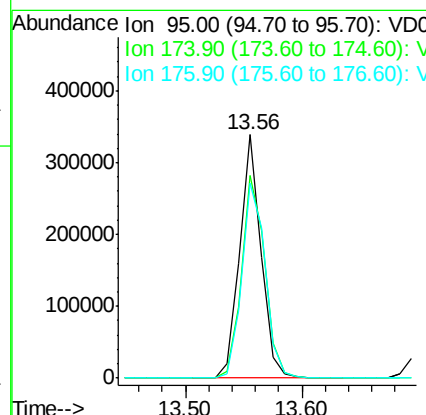
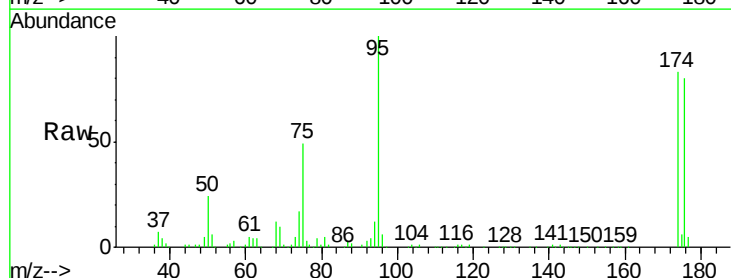
Manual Integrations
 APPROVED

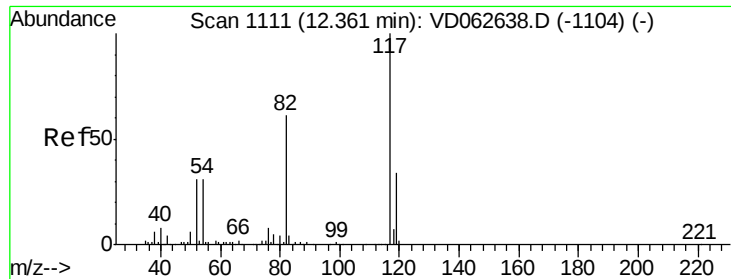
MMDadoda
 6/19/2019 3:04:04 PM



#62
 4-Bromofluorobenzene
 Concen: 67.026 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion: 95 Resp: 429556
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 167.0
 176 79.9 0.0 159.2





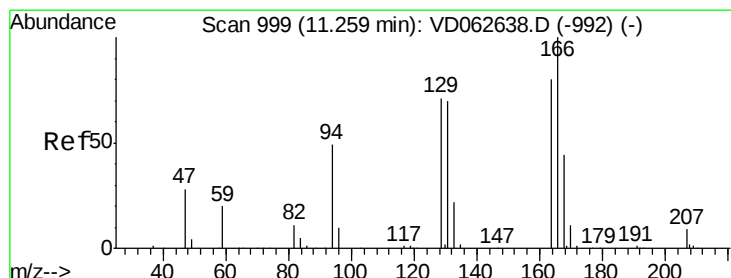
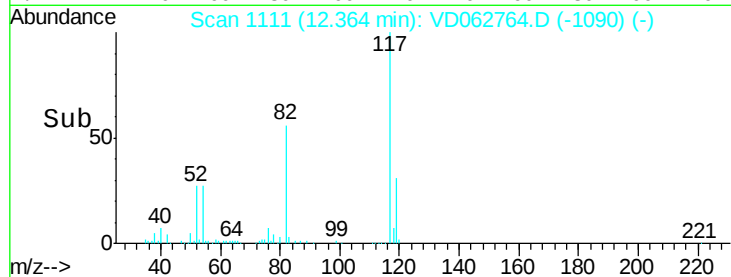
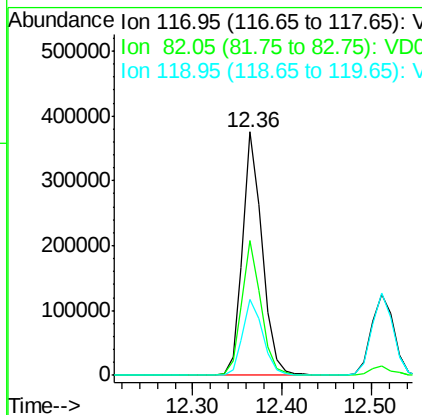
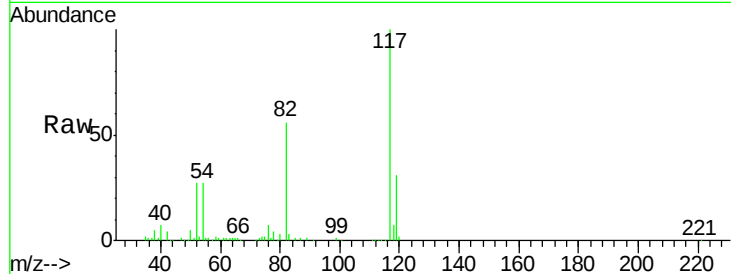
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.7	73.1
119	31.4	27.0	40.6

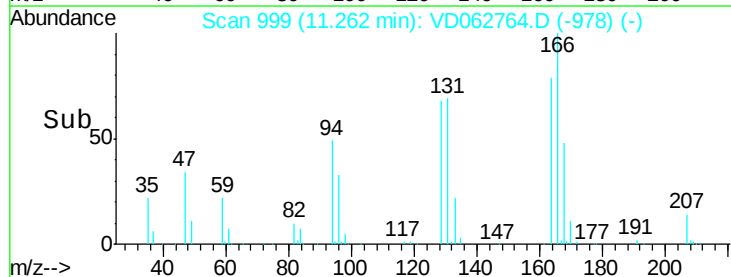
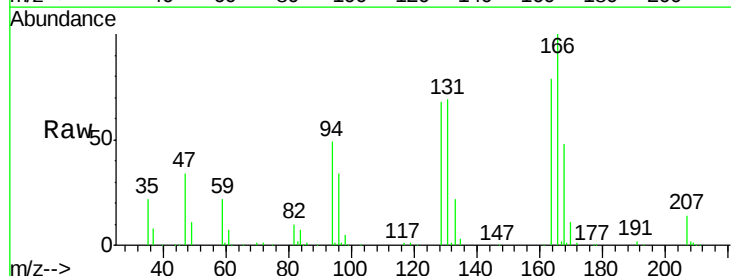
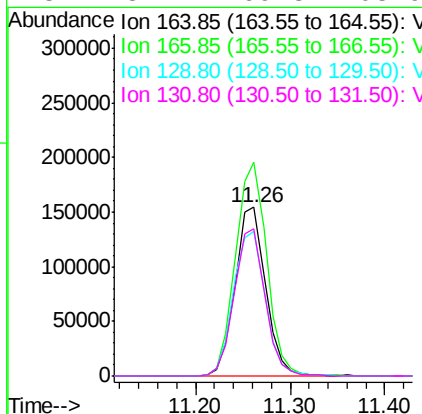
Manual Integrations
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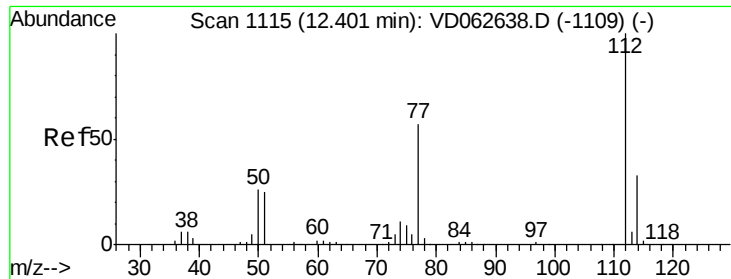
MMDadoda
6/19/2019 3:04:04 PM



#64
Tetrachloroethene
Concen: 64.025 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	99.4	149.2
129	86.0	70.2	105.4
131	87.1	69.3	103.9





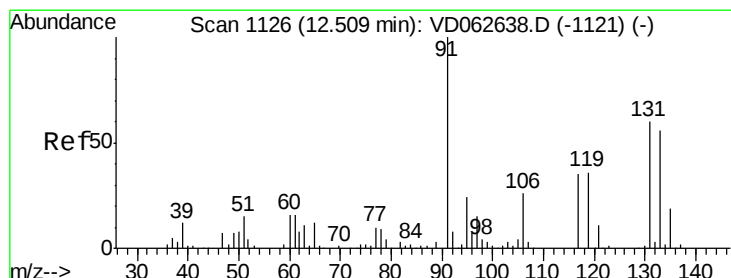
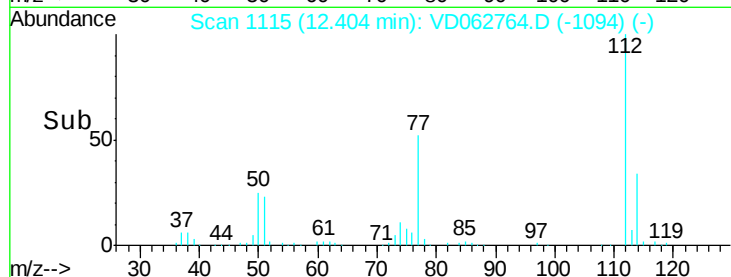
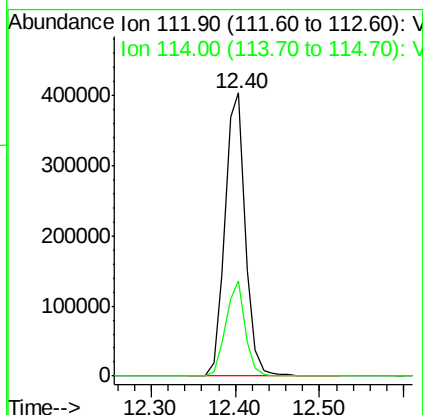
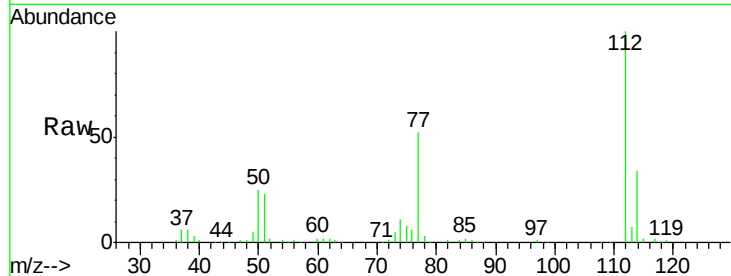
#65
Chlorobenzene
Concen: 53.009 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 675199
Ion Ratio Lower Upper
112 100
114 33.7 26.3 39.5

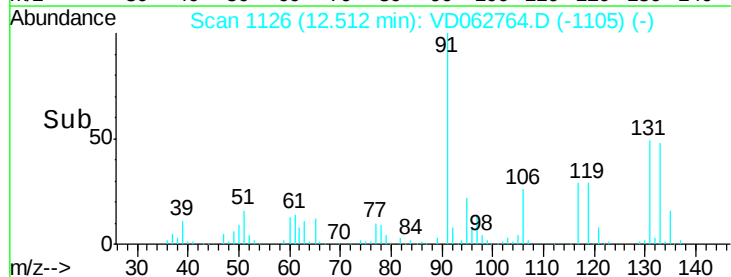
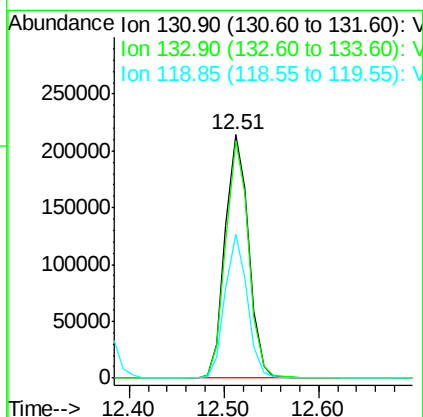
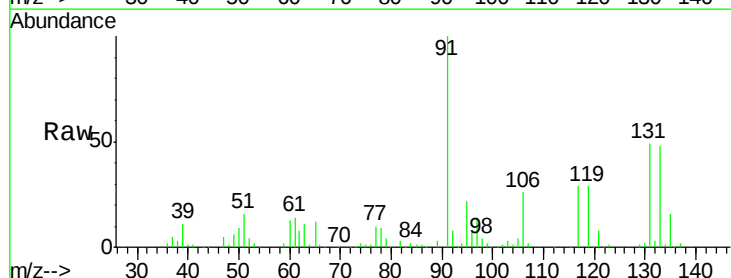
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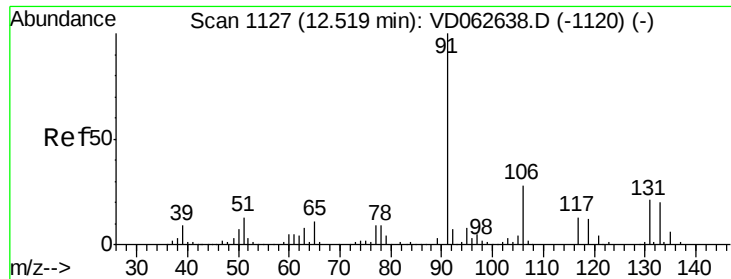
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#66
1,1,1,2-Tetrachloroethane
Concen: 60.538 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:131 Resp: 367760
Ion Ratio Lower Upper
131 100
133 97.2 46.8 140.3
119 59.1 29.9 89.8





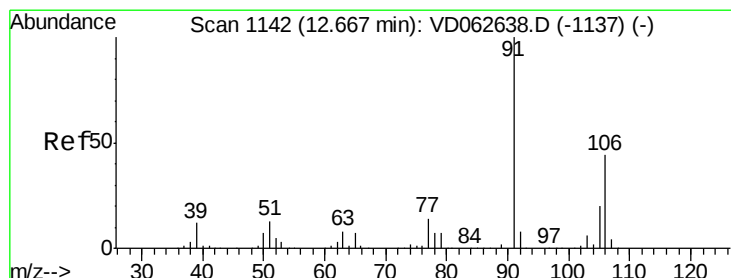
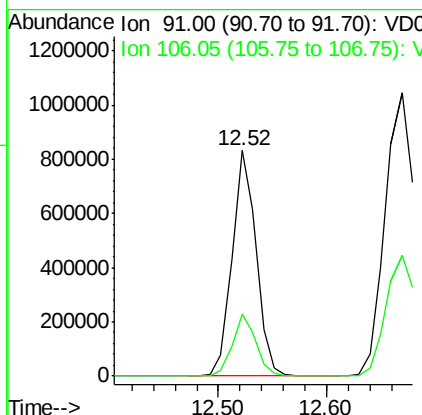
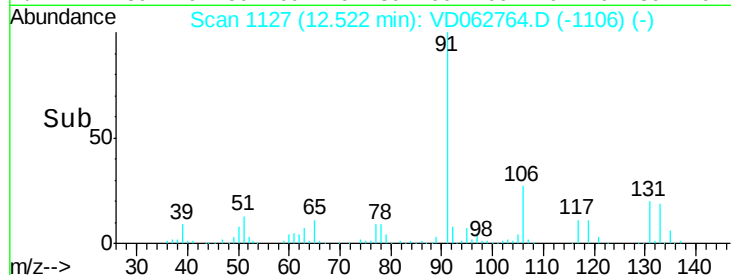
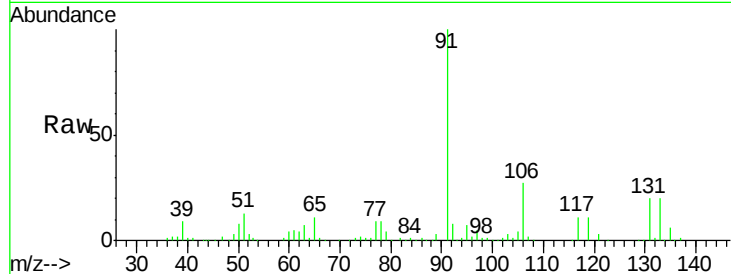
#67
Ethyl Benzene
Concen: 57.043 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1288232
Ion Ratio Lower Upper
91 100
106 27.3 22.1 33.1

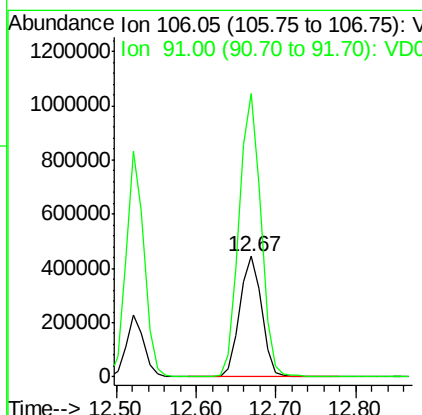
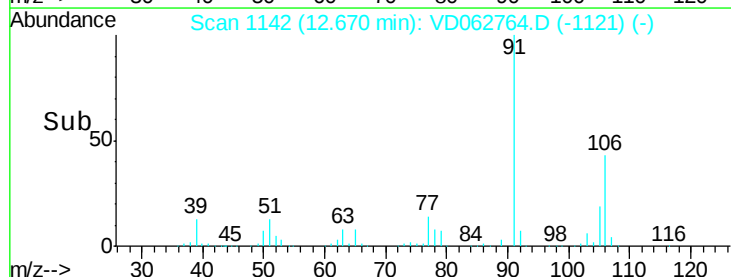
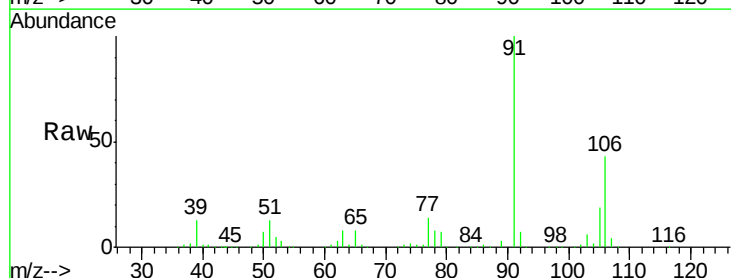
Manual Integrations
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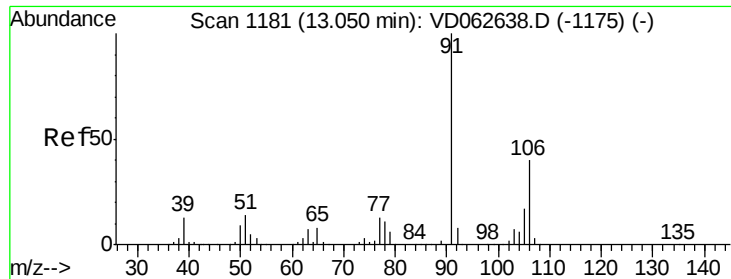
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#68
m/p-Xylenes
Concen: 107.359 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 106 Resp: 852370
Ion Ratio Lower Upper
106 100
91 235.1 180.2 270.4





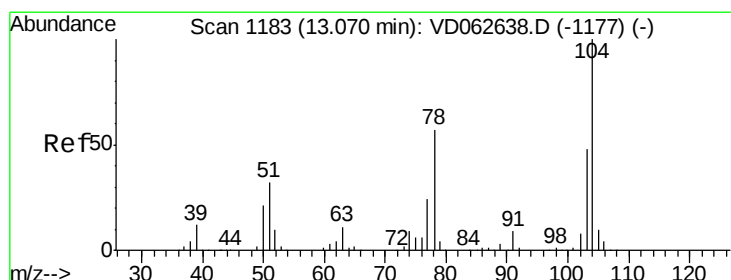
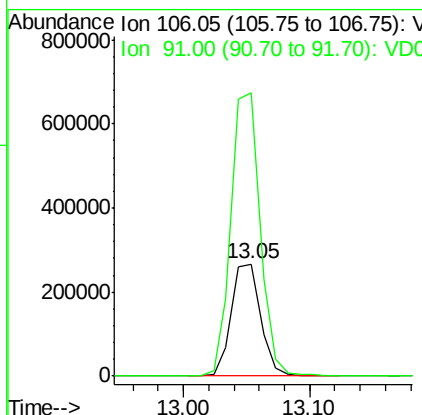
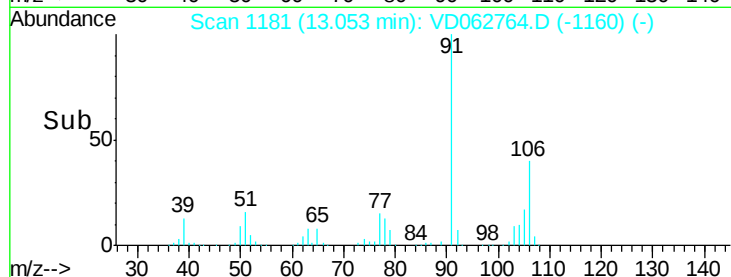
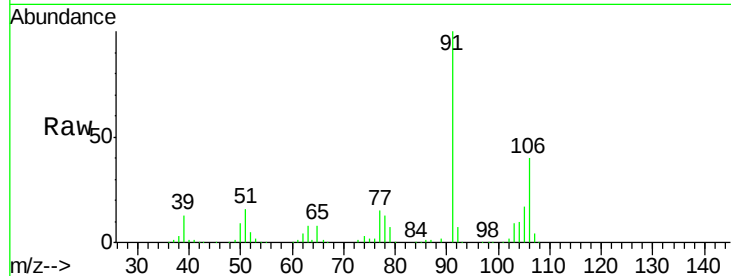
#69
o-Xylene
Concen: 58.919 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 429612
Ion Ratio Lower Upper
106 100
91 253.1 124.1 372.1

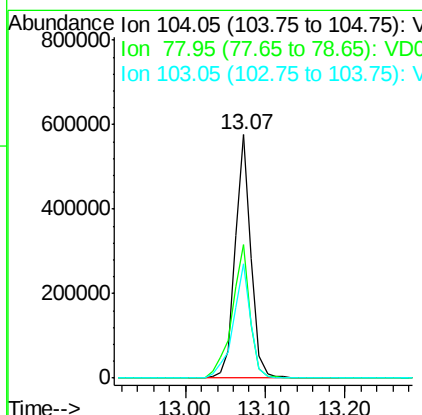
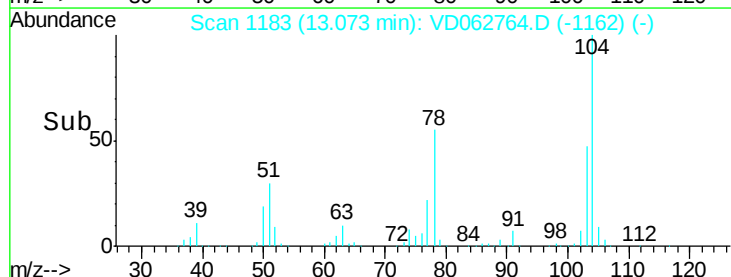
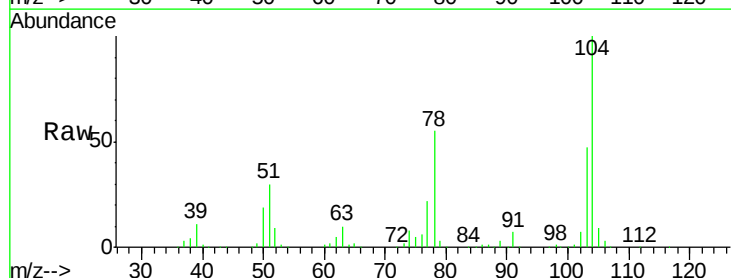
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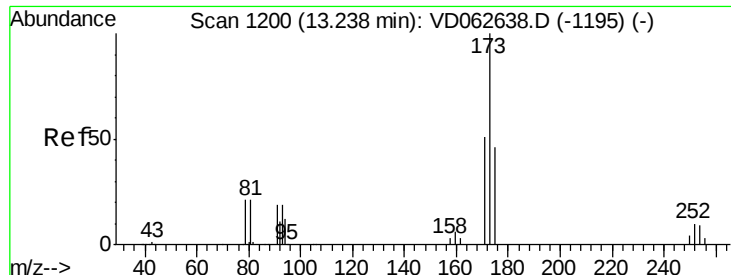
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#70
Styrene
Concen: 61.447 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:104 Resp: 799439
Ion Ratio Lower Upper
104 100
78 54.9 45.9 68.9
103 46.9 38.4 57.6





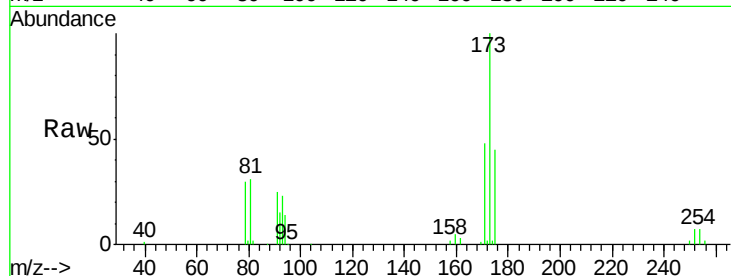
#71
Bromoform
Concen: 58.343 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

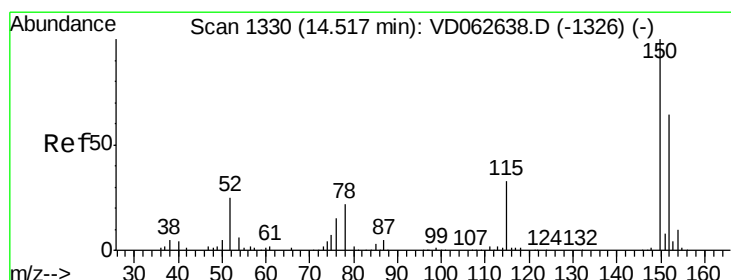
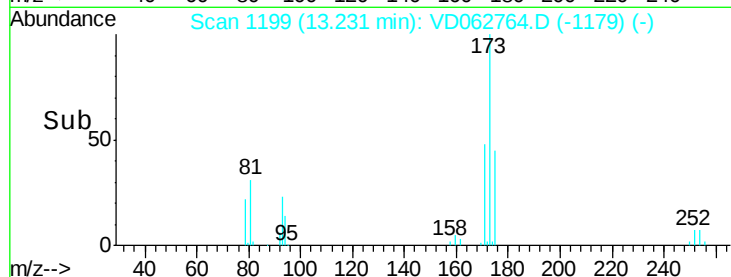
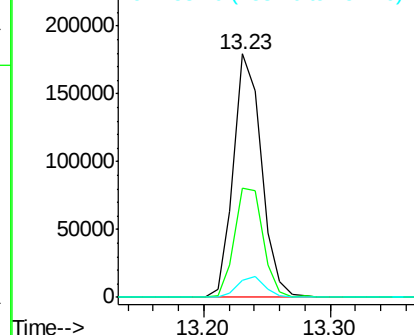
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.8	22.9	68.7
254	6.8	7.0	10.4

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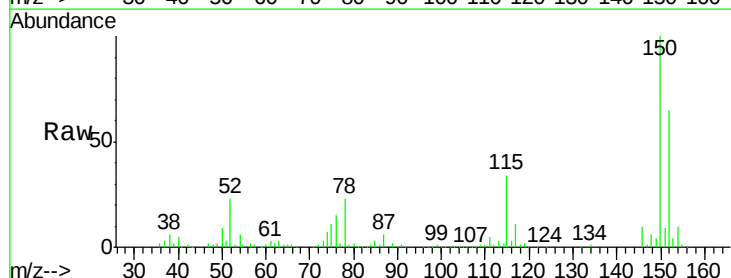


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

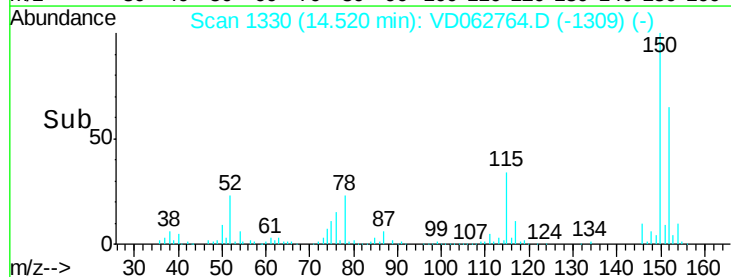
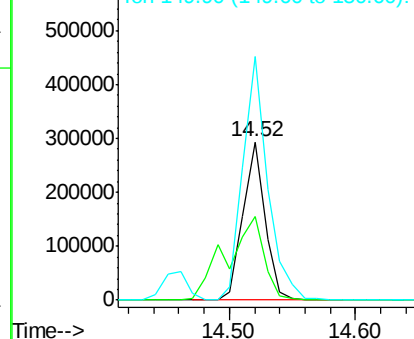


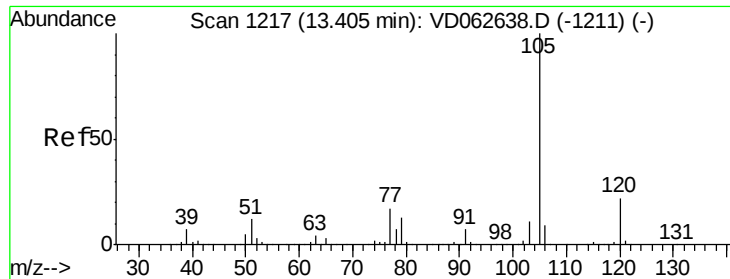
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	30.1	90.5
150	154.1	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: 52.619 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1314562

Ion Ratio Lower Upper

105 100

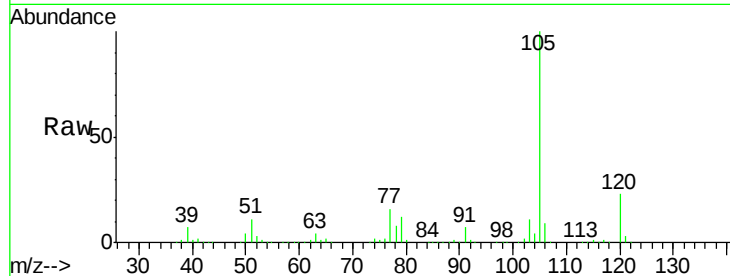
120 22.8 10.9 32.7

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

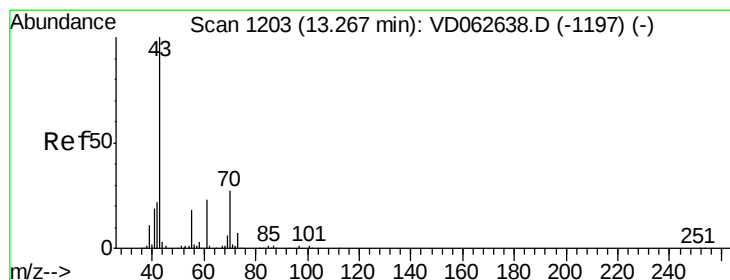
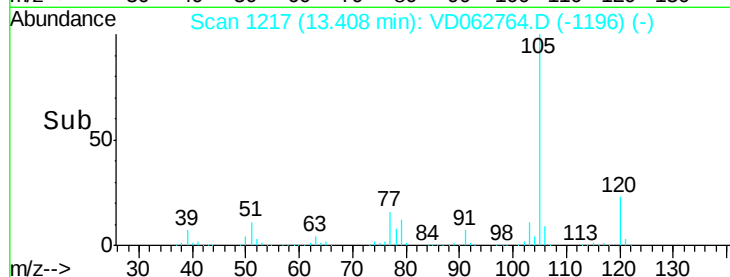
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 53.675 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion: 43 Resp: 362401

Ion Ratio Lower Upper

43 100

70 27.4 21.8 32.8

55 19.4 14.6 21.8

61 21.8 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

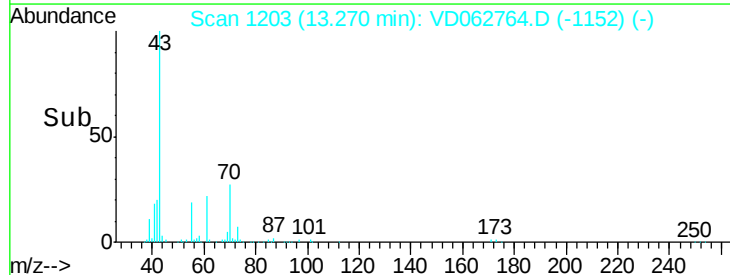
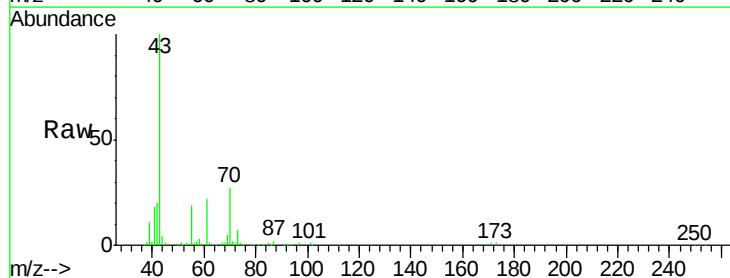
200000

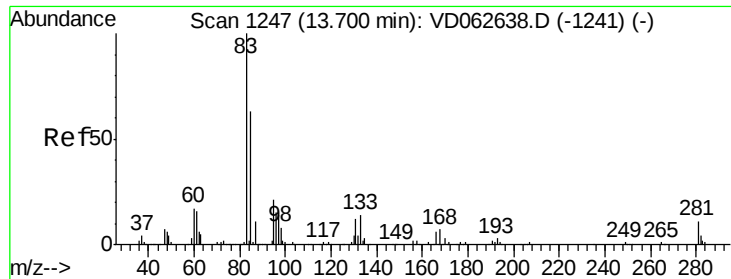
100000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 59.143 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

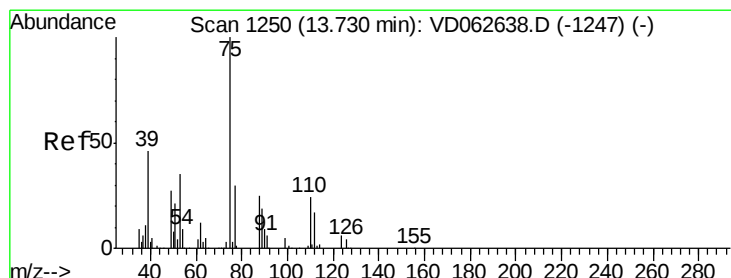
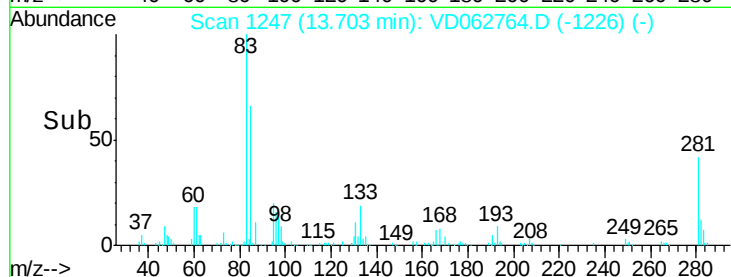
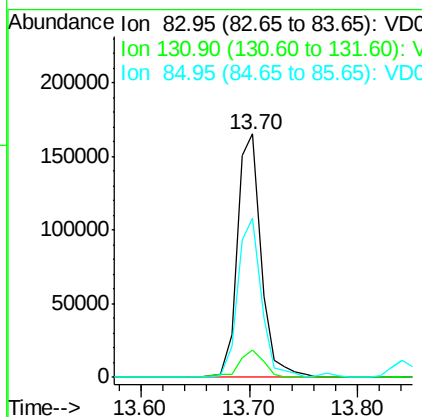
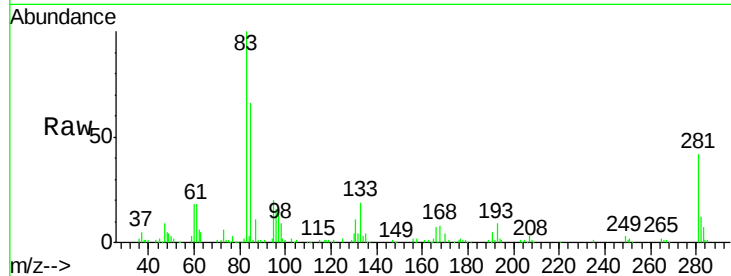
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	252821
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.7
85	65.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.914 ug/l

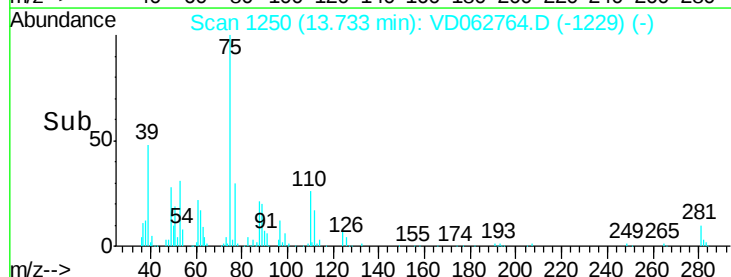
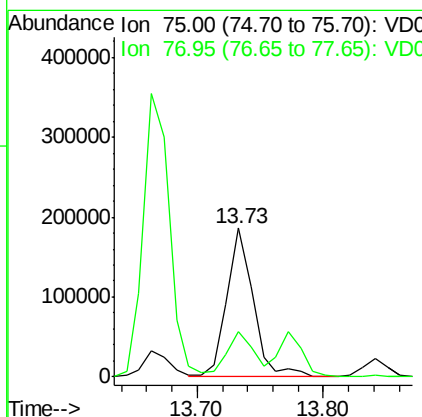
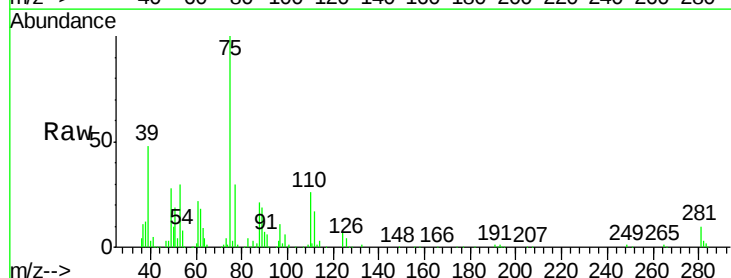
RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	75	Resp:	268715
Ion Ratio	Lower	Upper	
75	100		
77	30.1	16.2	48.6





#77

Bromobenzene

Concen: 54.278 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

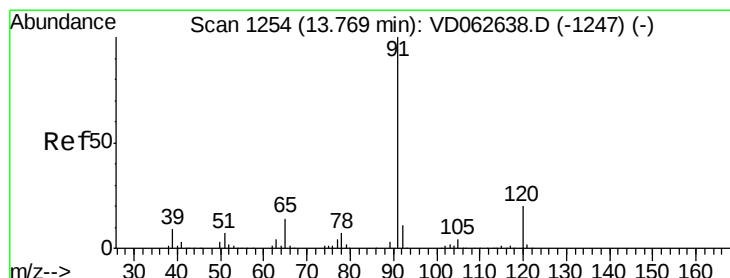
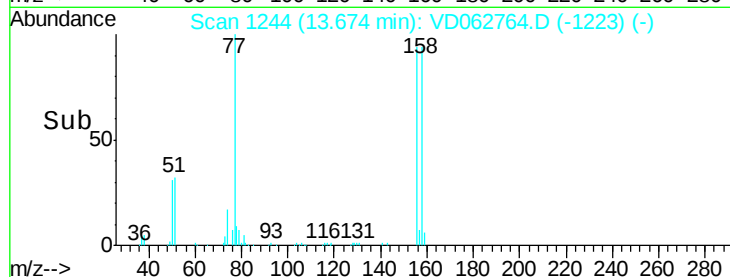
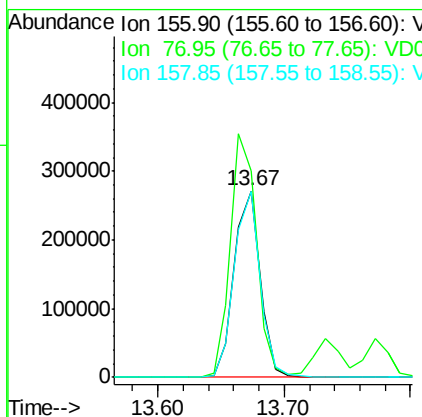
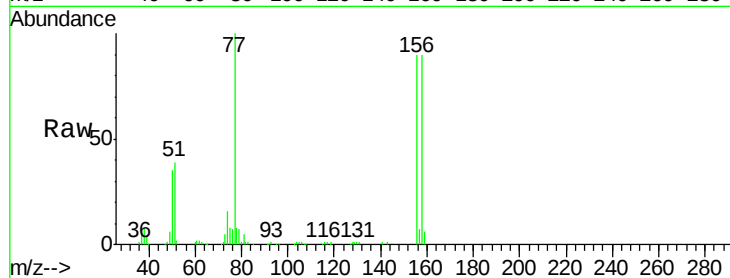
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	387575
Ion Ratio	Lower	Upper	
156	100		
77	110.7	56.3	168.8
158	99.7	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 53.996 ug/l

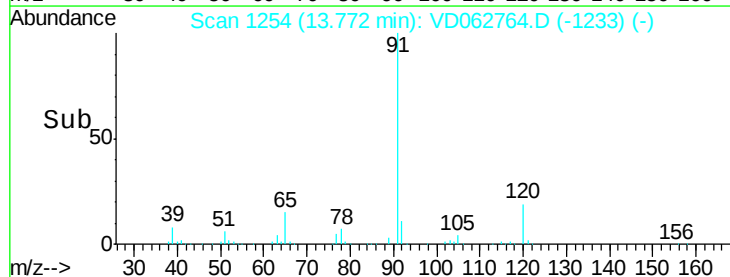
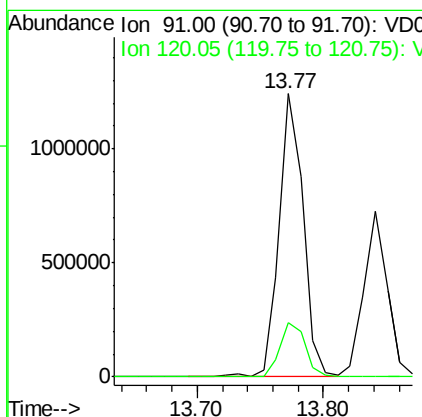
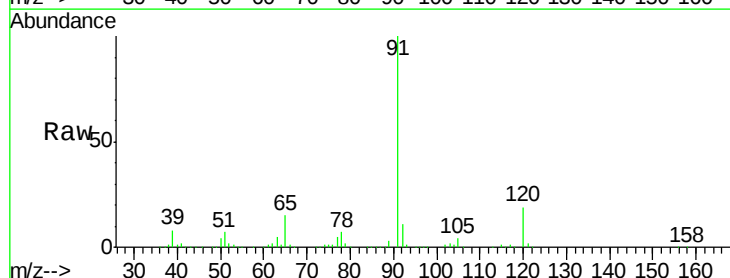
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Tgt Ion:	91	Resp:	1651212
Ion Ratio	Lower	Upper	
91	100		
120	19.3	9.8	29.5





#79

2-Chlorotoluene

Concen: 51.754 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 926676

Ion Ratio Lower Upper

91 100

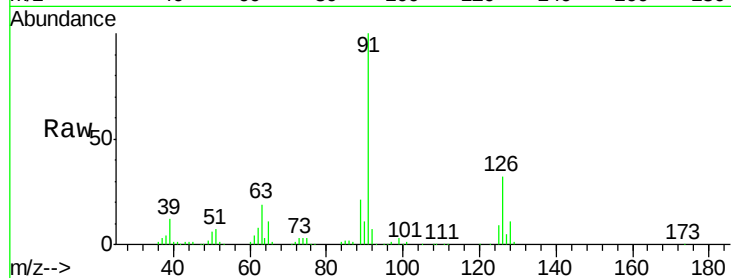
126 32.2 15.8 47.4

Manual Integrations

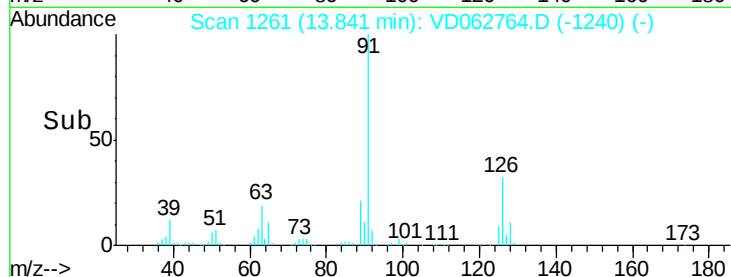
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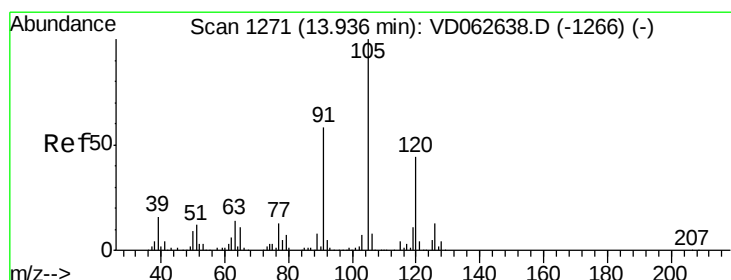
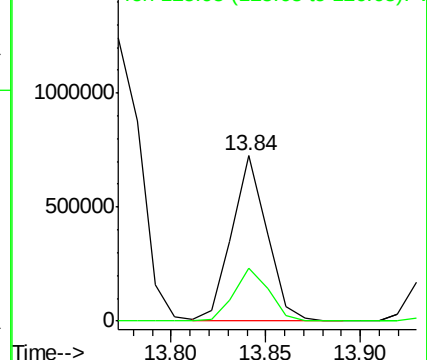
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Abundance Ion 91.00 (90.70 to 91.70): VD062764.D (-1240) (-)



Ion 125.95 (125.65 to 126.65): VD062764.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.098 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062764.D

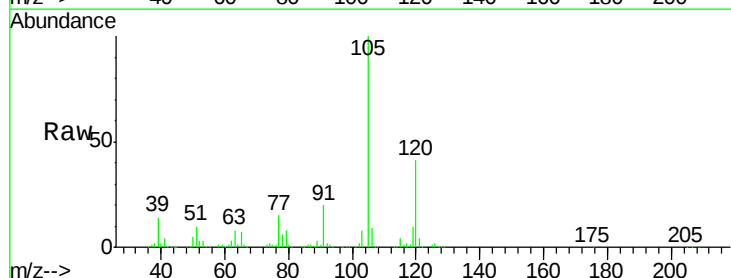
Acq: 18 Jun 2019 22:46

Tgt Ion: 105 Resp: 1216538

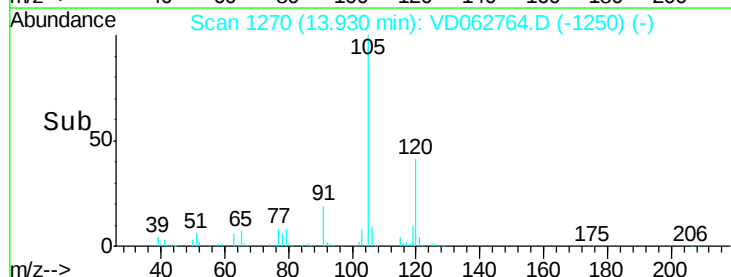
Ion Ratio Lower Upper

105 100

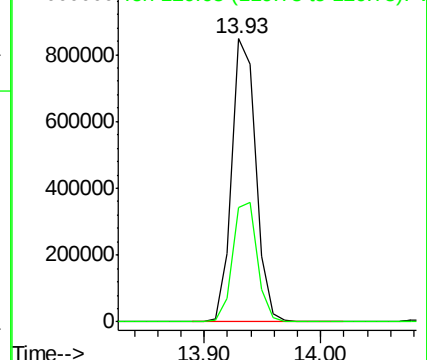
120 40.6 22.1 66.5

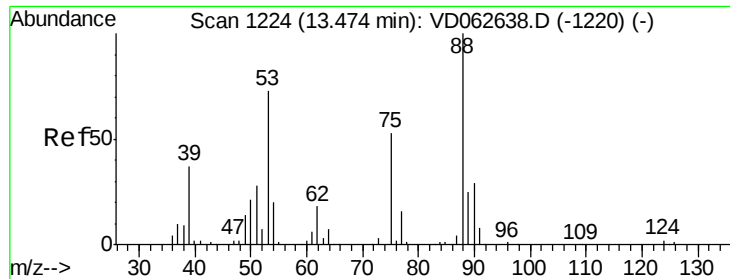


Abundance Ion 105.05 (104.75 to 105.75): VD062764.D (-1250) (-)



Ion 120.05 (119.75 to 120.75): VD062764.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.270 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062764.D

Acq: 18 Jun 2019 22:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 67042

Ion Ratio Lower Upper

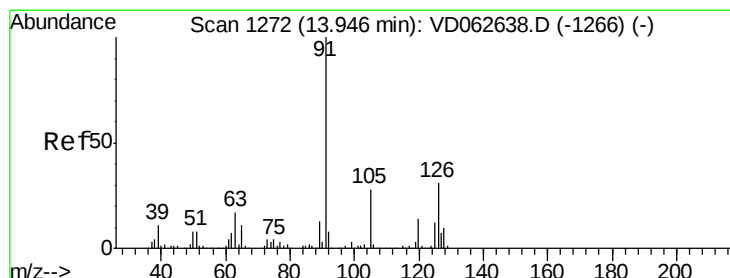
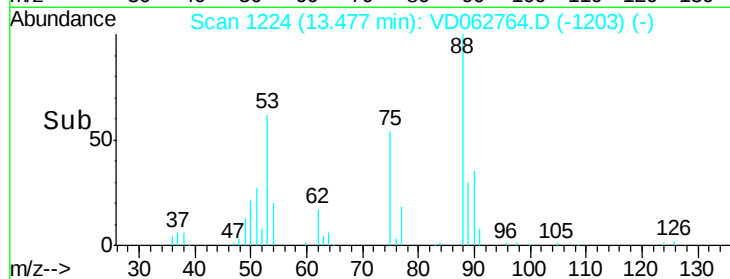
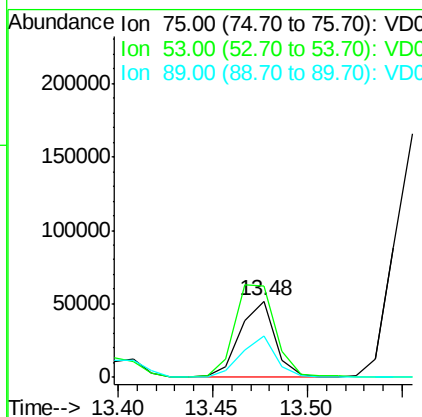
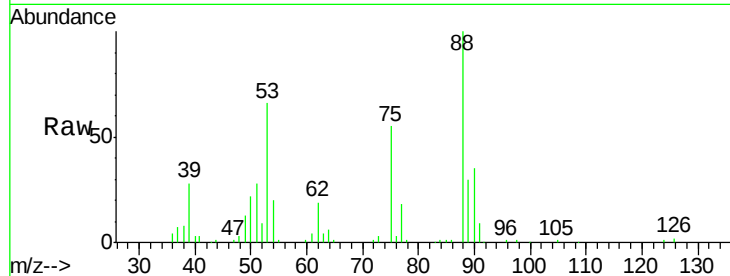
75 100

53 119.3 109.4 164.2

89 54.0 37.0 55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 57.053 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062764.D

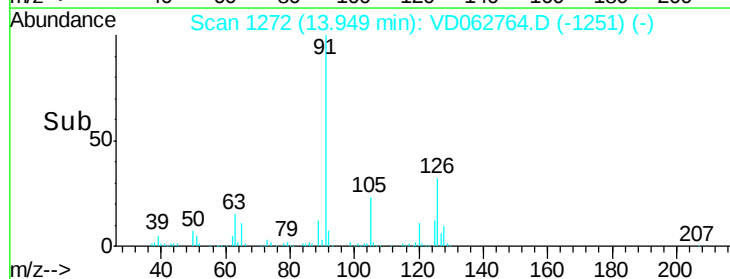
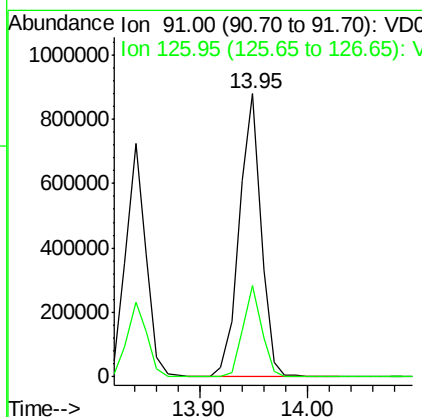
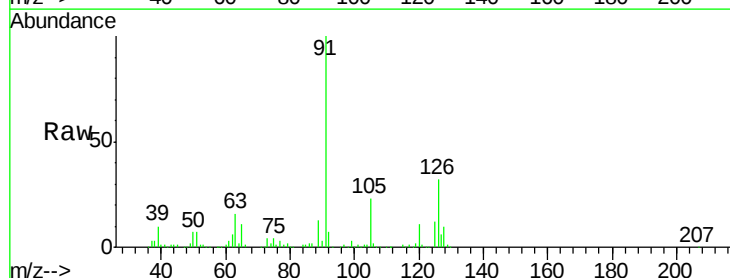
Acq: 18 Jun 2019 22:46

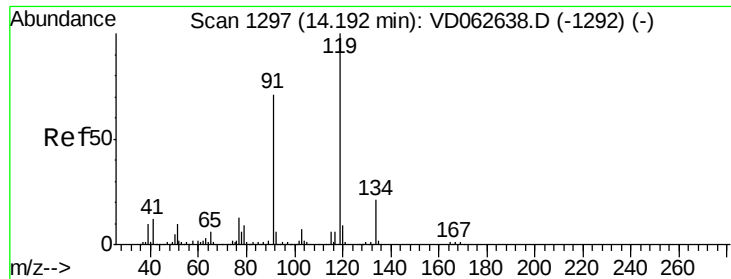
Tgt Ion: 91 Resp: 1221660

Ion Ratio Lower Upper

91 100

126 32.4 15.6 46.8





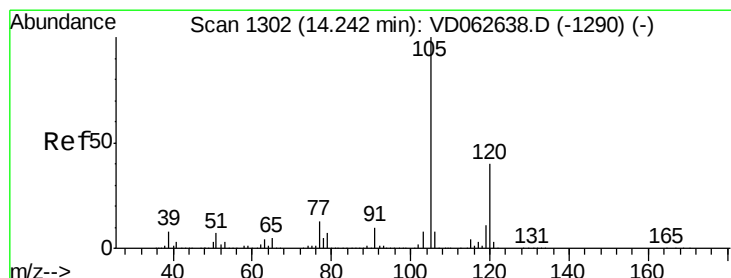
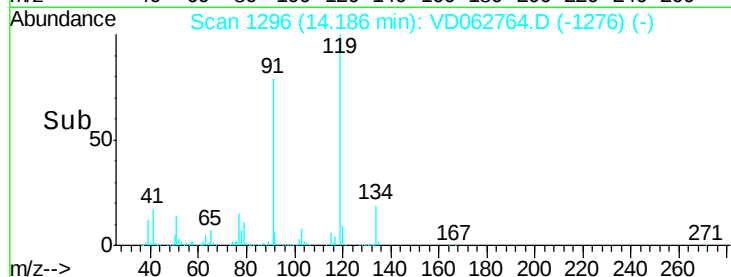
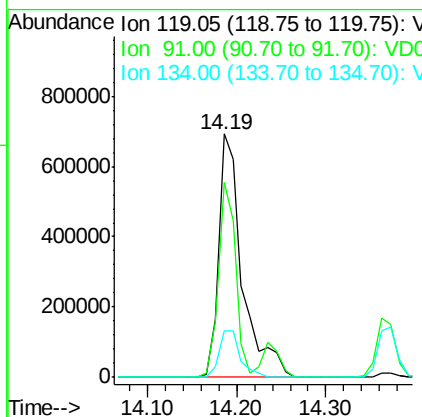
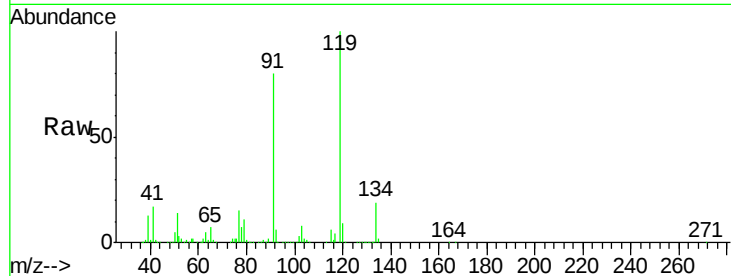
#83
tert-Butylbenzene
Concen: 52.516 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1278894
Ion Ratio Lower Upper
119 100
91 80.1 35.4 106.1
134 19.1 10.8 32.3

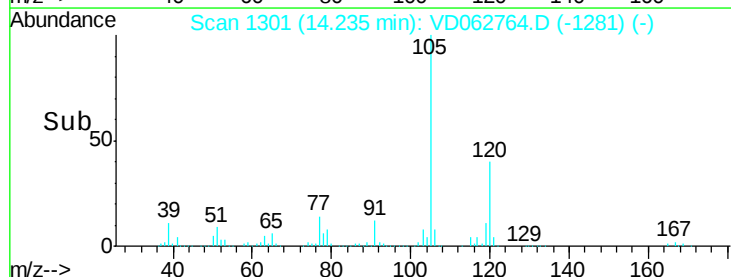
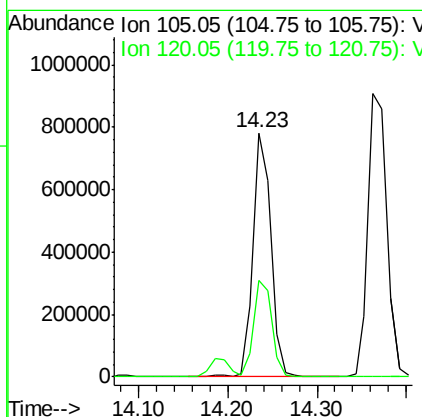
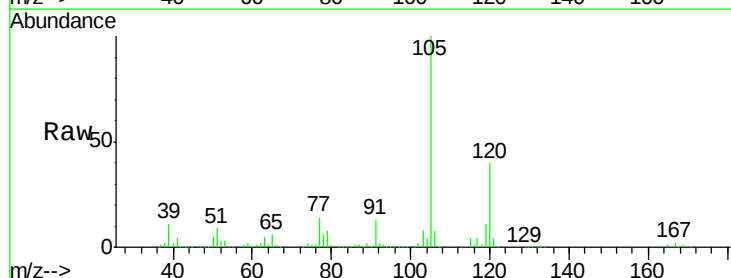
Manual Integrations
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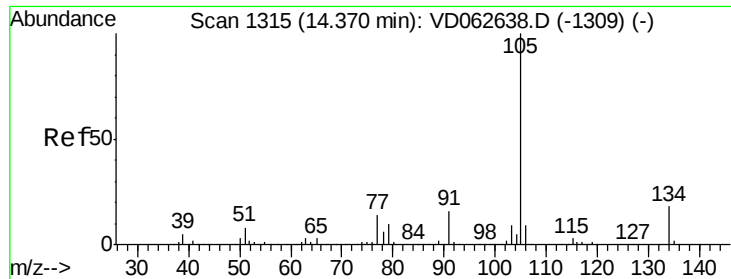
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#84
1,2,4-Trimethylbenzene
Concen: 49.201 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion:105 Resp: 1075599
Ion Ratio Lower Upper
105 100
120 39.5 20.3 60.8





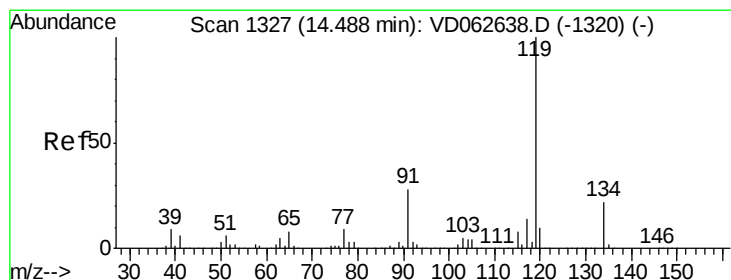
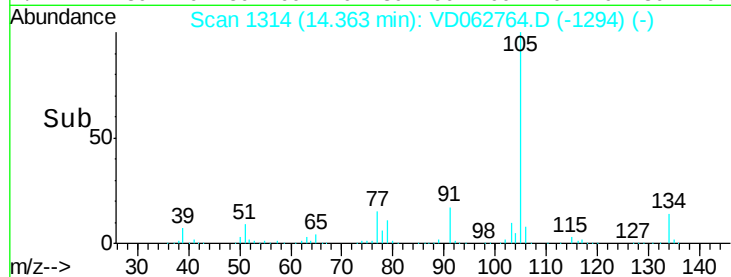
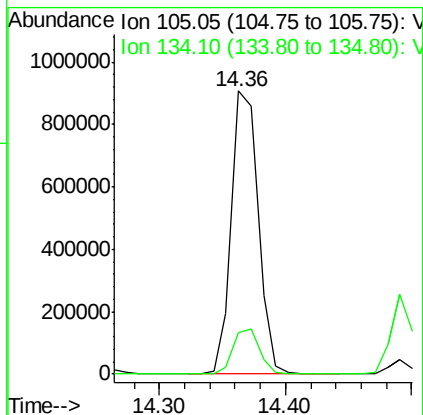
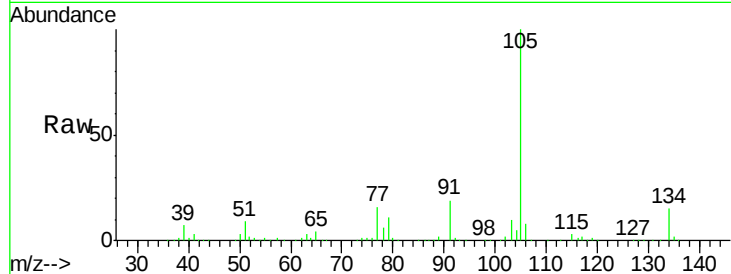
#85
 sec-Butylbenzene
 Concen: 52.073 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1329748
 Ion Ratio Lower Upper
 105 100
 134 14.5 8.8 26.2

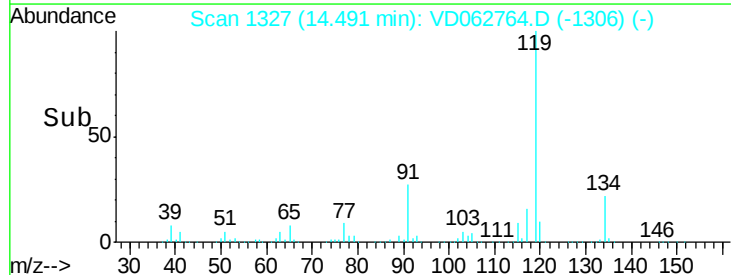
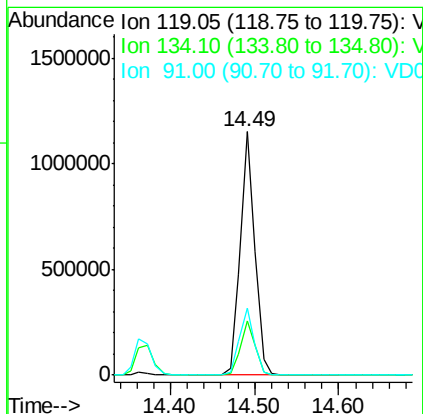
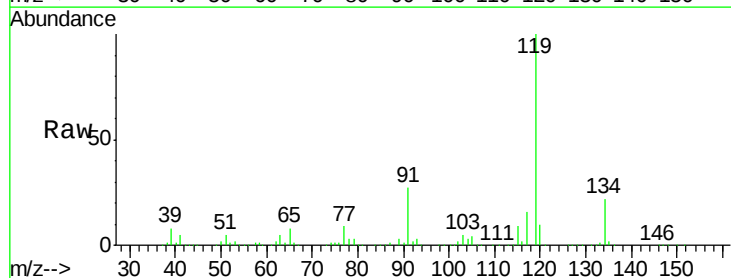
Manual Integrations
 APPROVED

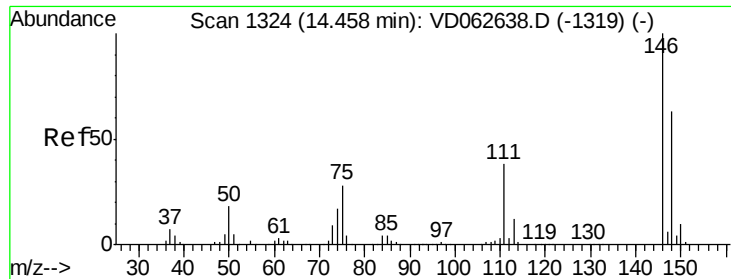
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#86
 p-Isopropyltoluene
 Concen: 55.618 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion:119 Resp: 1382826
 Ion Ratio Lower Upper
 119 100
 134 22.3 10.9 32.6
 91 27.4 13.9 41.6





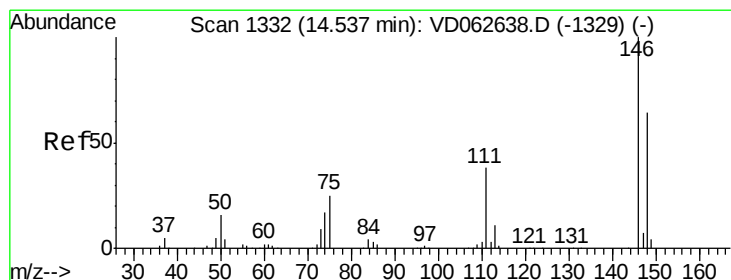
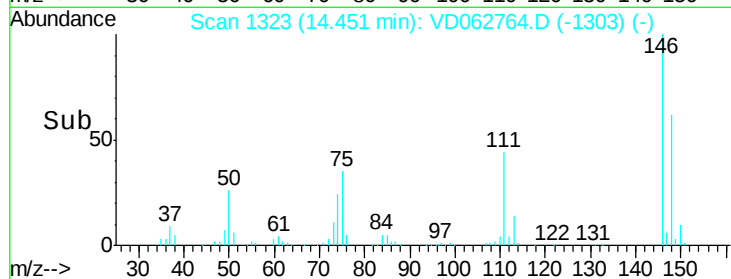
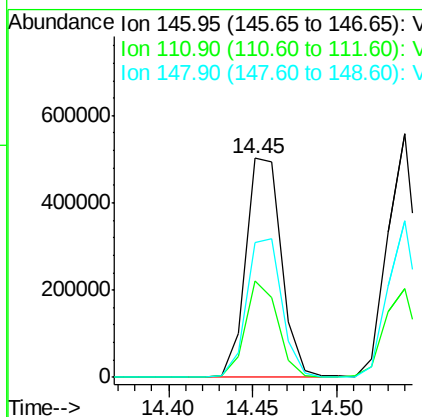
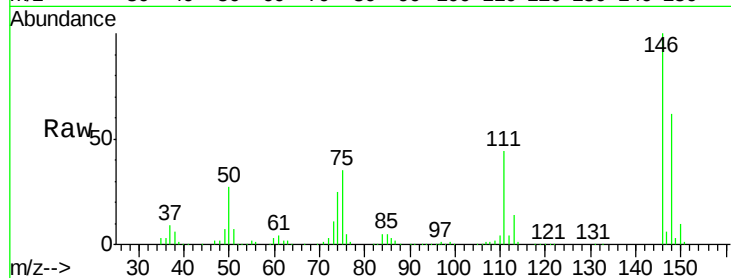
#87
 1,3-Dichlorobenzene
 Concen: 57.058 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	19.2	57.6
148	61.8	31.6	95.0

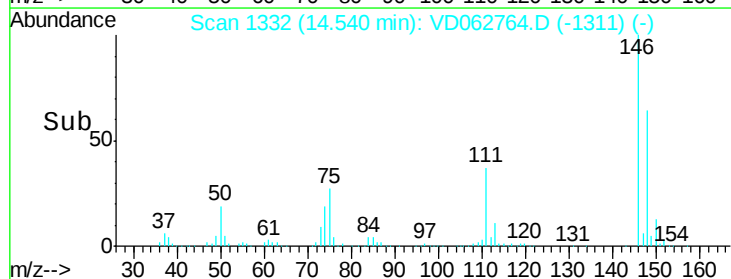
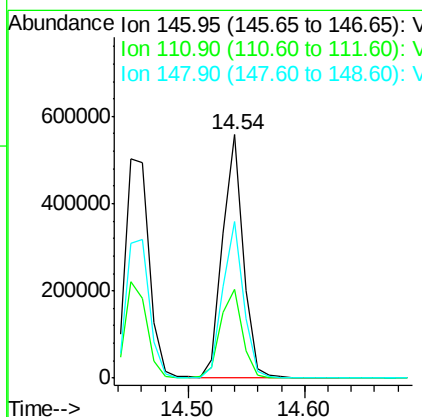
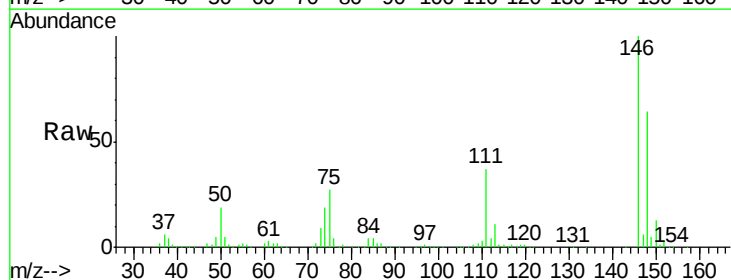
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 56.680 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.7
148	64.1	32.3	96.8





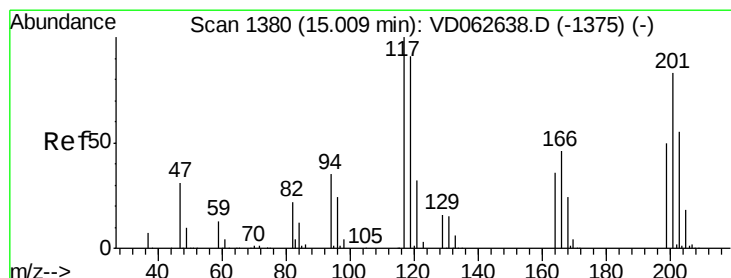
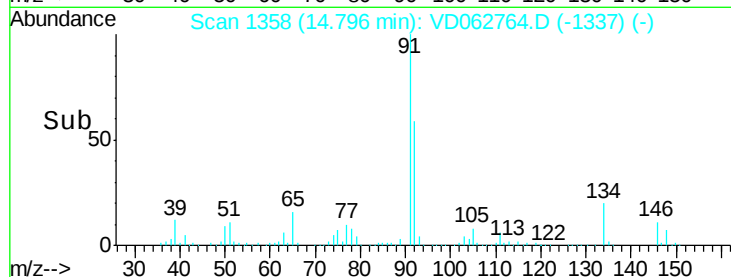
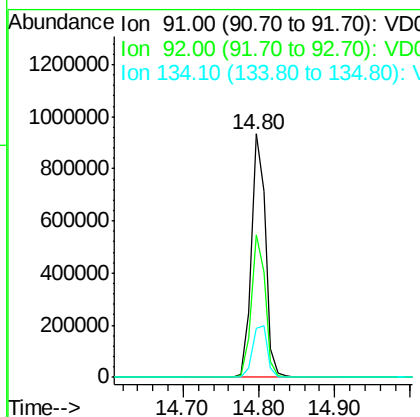
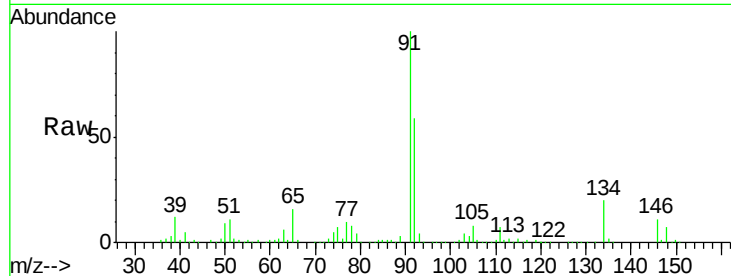
#89
n-Butylbenzene
Concen: 54.069 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1209378
Ion Ratio Lower Upper
91 100
92 58.5 29.4 88.3
134 20.0 10.4 31.2

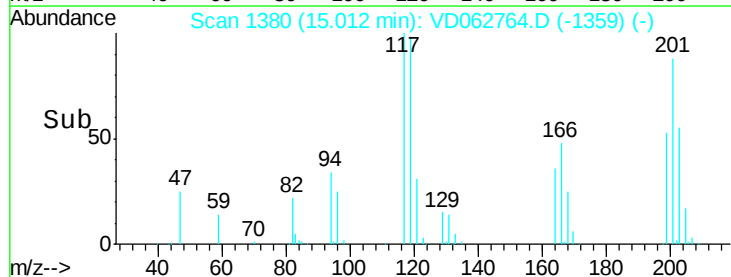
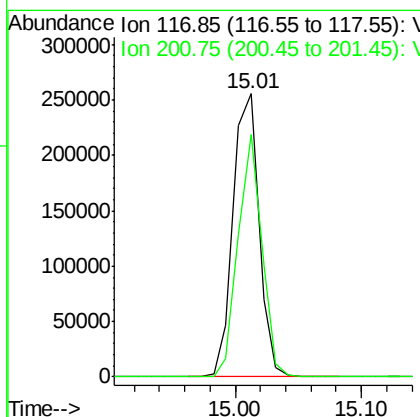
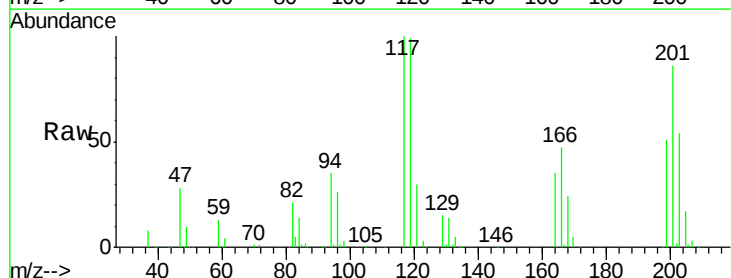
Manual Integrations
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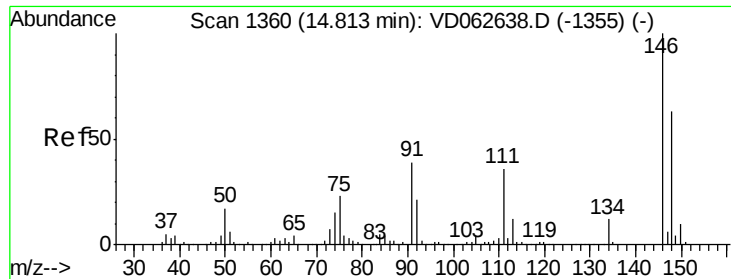
MMDadoda
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#90
Hexachloroethane
Concen: 55.109 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion: 117 Resp: 361717
Ion Ratio Lower Upper
117 100
201 85.9 41.5 124.6





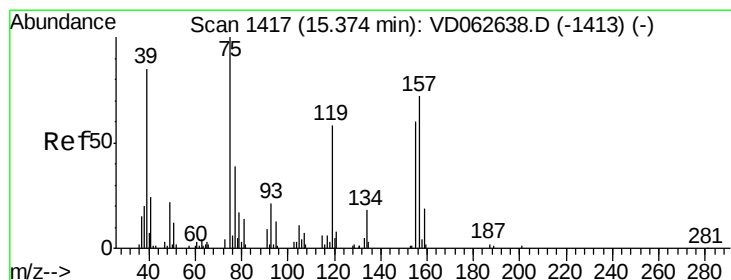
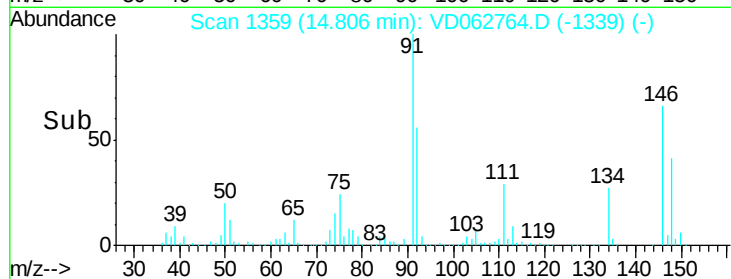
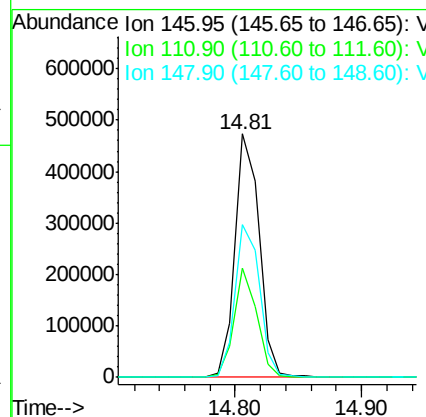
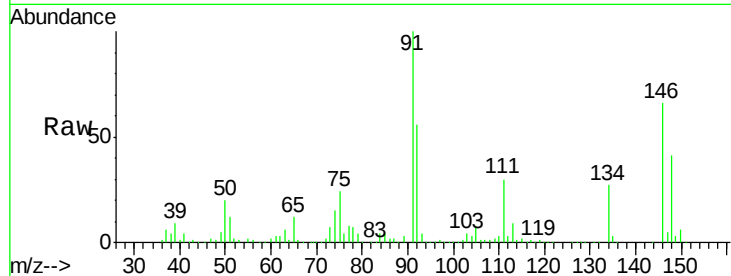
#91
 1,2-Dichlorobenzene
 Concen: 57.955 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	18.1	54.3
148	62.5	31.4	94.0

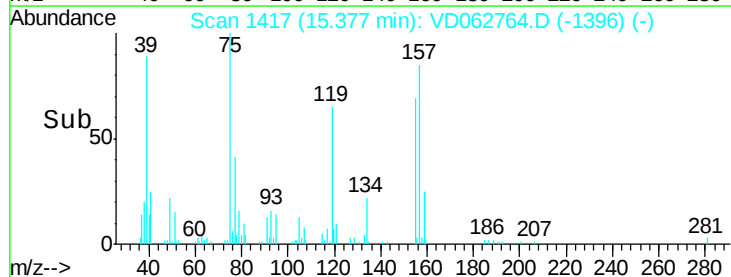
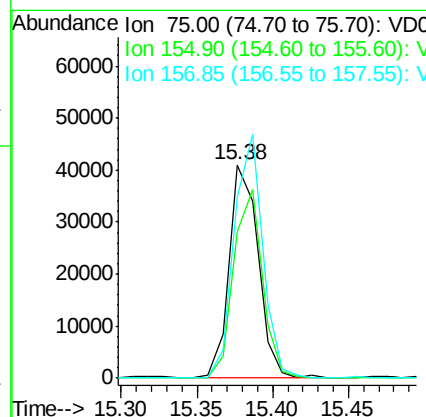
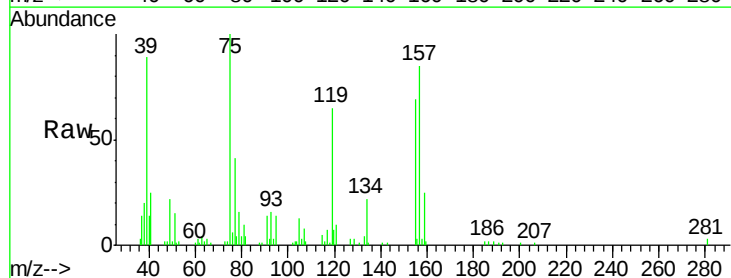
Manual Integrations
 APPROVED

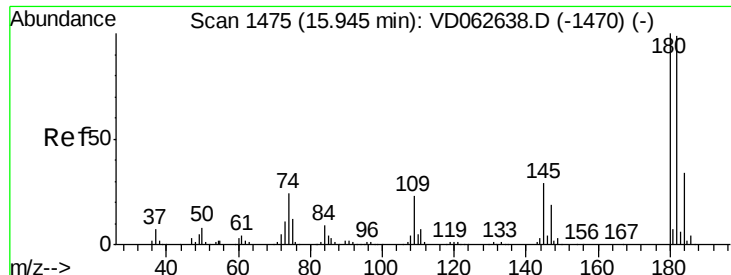
MMDadoda
 6/19/2019 3:04:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.811 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	30.1	90.5
157	84.5	35.9	107.8





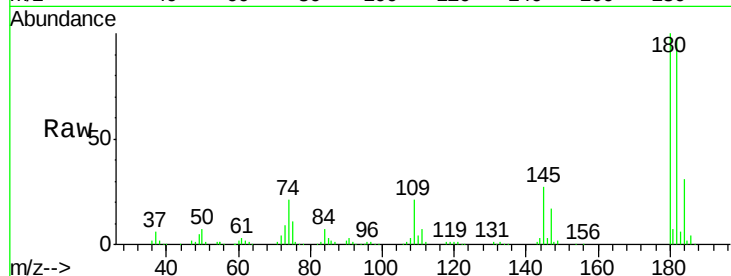
#93
 1,2,4-Trichlorobenzene
 Concen: 52.260 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

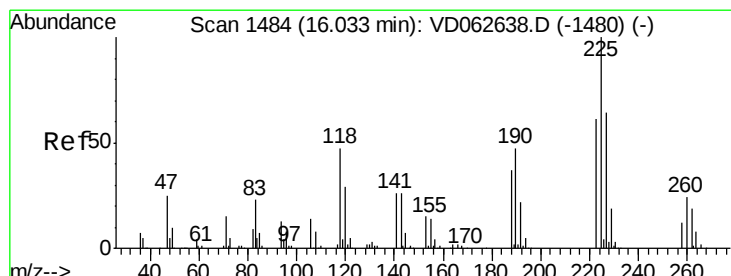
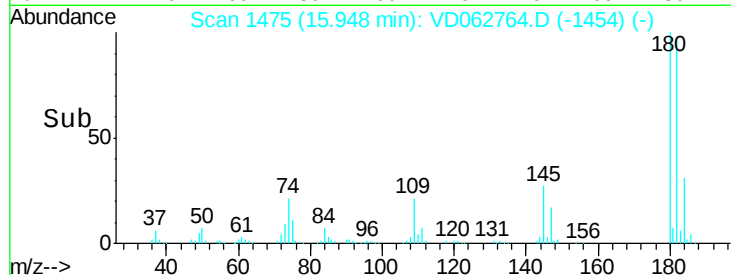
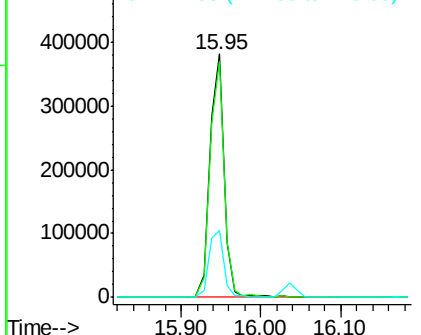
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	49.4	148.2
145	27.5	14.5	43.6

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 3:04:04 PM

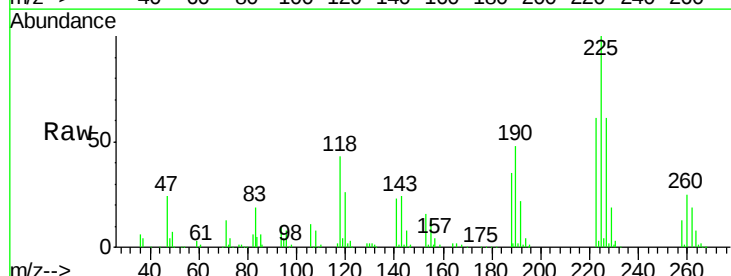


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

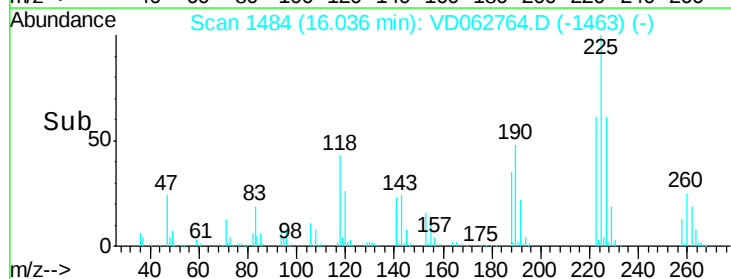
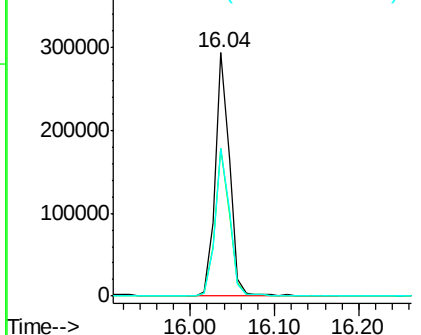


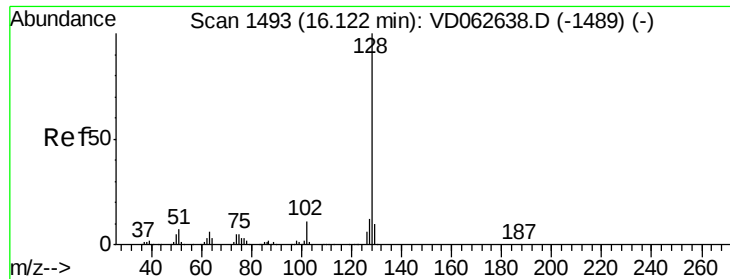
#94
 Hexachlorobutadiene
 Concen: 54.746 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062764.D
 Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.3	91.0
227	60.8	31.8	95.4



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





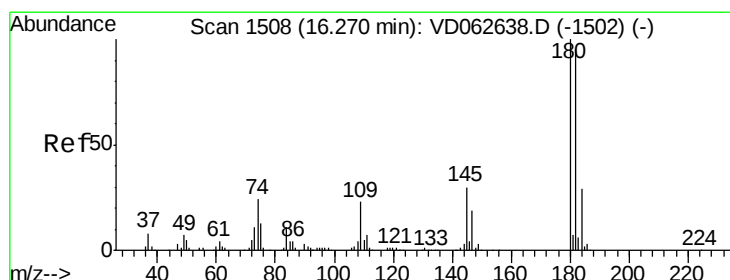
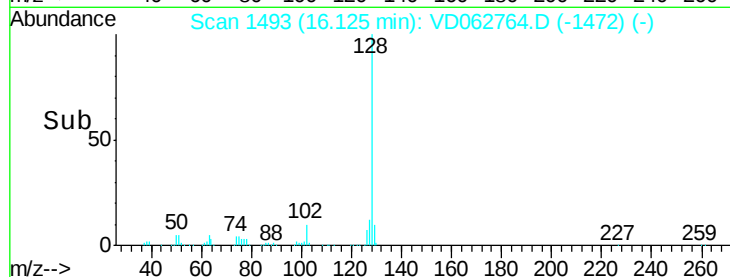
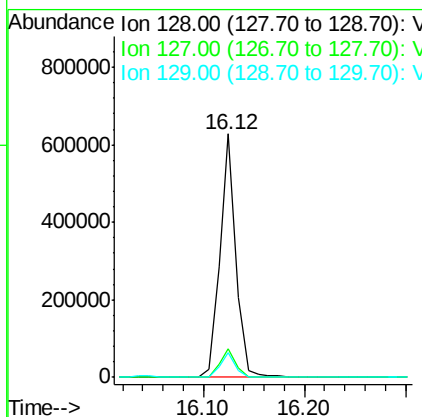
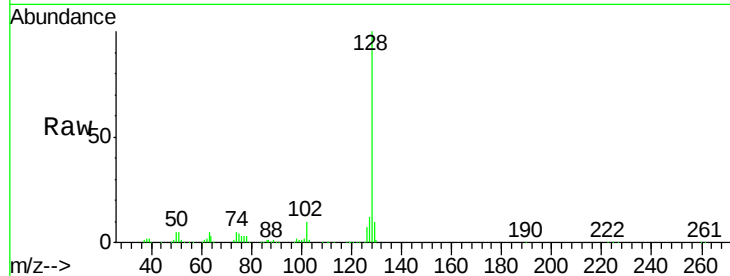
#95
Naphthalene
Concen: 54.034 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.7	14.5
129	10.0	8.1	12.1

Manual Integrations
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6/19/2019 3:04:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 62.782 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062764.D
Acq: 18 Jun 2019 22:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.7	143.1
145	30.1	15.0	45.0

