

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062535.D
 Acq On : 28 May 2019 12:34
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 29 00:59:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	457565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	616544	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	520391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	283139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	287350	58.67	ug/l	0.00
Spiked Amount			Recovery	=	117.34%	
35) Dibromofluoromethane	6.94	113	288791	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	10.42	98	581383	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.56	95	275557	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	217803	50.979	ug/l	98
3) Chloromethane	1.75	50	143614	45.307	ug/l #	87
4) Vinyl Chloride	1.85	62	178269	53.445	ug/l	96
5) Bromomethane	2.16	94	107528	74.707	ug/l	93
6) Chloroethane	2.27	64	105795	65.566	ug/l	99
7) Trichlorofluoromethane	2.54	101	493474	64.030	ug/l	99
8) Diethyl Ether	2.87	74	63884	61.448	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.15	101	247125	53.898	ug/l	97
10) Methyl Iodide	3.31	142	372103	58.203	ug/l #	74
11) Tert butyl alcohol	4.08	59	61720	273.000	ug/l	99
12) 1,1-Dichloroethene	3.13	96	179159	52.871	ug/l #	81
13) Acrolein	3.04	56	47472	252.849	ug/l #	83
14) Allyl chloride	3.62	41	252367	50.510	ug/l #	63
15) Acrylonitrile	4.20	53	131081	253.027	ug/l #	87
16) Acetone	3.23	43	265505	302.500	ug/l #	81
17) Carbon Disulfide	3.38	76	484701	47.230	ug/l	99
18) Methyl Acetate	3.65	43	77687	51.294	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	442777	56.573	ug/l #	90
20) Methylene Chloride	3.82	84	186428	49.751	ug/l #	89
21) trans-1,2-Dichloroethene	4.22	96	186767	47.081	ug/l #	75
22) Diisopropyl ether	5.14	45	539094	50.691	ug/l #	88
23) Vinyl Acetate	5.07	43	1694941	263.755	ug/l	97
24) 1,1-Dichloroethane	5.00	63	346127	50.534	ug/l	98
25) 2-Butanone	6.08	43	240864	262.381	ug/l	92
26) 2,2-Dichloropropane	6.03	77	449230	60.844	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	214400	50.122	ug/l	86
28) Bromochloromethane	6.46	49	118899	48.367	ug/l	98
29) Tetrahydrofuran	6.48	42	109662	250.129	ug/l	99
30) Chloroform	6.68	83	479029	54.858	ug/l	98
31) Cyclohexane	6.97	56	228519	49.414	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	481894	54.662	ug/l	98
36) 1,1-Dichloropropene	7.15	75	328014	55.647	ug/l	92
37) Ethyl Acetate	6.20	43	127454	55.658	ug/l #	91
38) Carbon Tetrachloride	7.13	117	577205	65.886	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	258601	53.190	ug/l	90
40) Benzene	7.47	78	598593	51.771	ug/l	100
41) Methacrylonitrile	6.47	41	155377	54.025	ug/l #	73
42) 1,2-Dichloroethane	7.59	62	340303	55.581	ug/l	89
43) Isopropyl Acetate	9.25	43	164967	54.304	ug/l #	93
44) Trichloroethene	8.55	130	241639	52.196	ug/l	86
45) 1,2-Dichloropropane	8.96	63	138745	49.240	ug/l	95
46) Dibromomethane	9.07	93	141304	55.323	ug/l	94
47) Bromodichloromethane	9.39	83	355917	54.777	ug/l	98
48) Methyl methacrylate	9.13	41	113626	55.581	ug/l #	81
49) 1,4-Dioxane	9.09	88	21453	1169.936	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	561865	279.971	ug/l	92
52) Toluene	10.52	92	421781	53.286	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	306699	56.696	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	313053	55.461	ug/l #	76
55) 1,1,2-Trichloroethane	11.20	97	142746	53.210	ug/l	95
56) Ethyl methacrylate	11.05	69	152273	53.097	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	218144	53.023	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	364735	247.679	ug/l	96
59) 2-Hexanone	11.54	43	430805	295.365	ug/l	87
60) Dibromochloromethane	11.69	129	303583	58.918	ug/l	99
61) 1,2-Dibromoethane	11.82	107	171653	51.921	ug/l	96
64) Tetrachloroethene	11.27	164	233618	53.616	ug/l	96
65) Chlorobenzene	12.41	112	489895	48.953	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	267737	57.959	ug/l	93
67) Ethyl Benzene	12.53	91	938595	54.452	ug/l	95
68) m/p-Xylenes	12.68	106	606427	98.010	ug/l	85
69) o-Xylene	13.06	106	290313	49.728	ug/l	87
70) Styrene	13.08	104	490667	49.405	ug/l #	92
71) Bromoform	13.25	173	182769	59.576	ug/l #	99
73) Isopropylbenzene	13.41	105	878879	49.244	ug/l	97
74) N-amyl acetate	13.28	43	243703	55.287	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	159412	49.510	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	181073	54.294	ug/l	97
77) Bromobenzene	13.68	156	253451	50.061	ug/l	99
78) n-propylbenzene	13.78	91	1135051	54.905	ug/l	96
79) 2-Chlorotoluene	13.85	91	678394	54.074	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	816664	52.848	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	50685	53.887	ug/l #	60
82) 4-Chlorotoluene	13.95	91	752154	52.058	ug/l	90
83) tert-Butylbenzene	14.19	119	906982	52.913	ug/l	87
84) 1,2,4-Trimethylbenzene	14.24	105	819609	51.761	ug/l	88
85) sec-Butylbenzene	14.38	105	945412	52.895	ug/l	100
86) p-Isopropyltoluene	14.50	119	854624	52.763	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	478002	53.463	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	451938	52.383	ug/l	96
89) n-Butylbenzene	14.80	91	818009	52.330	ug/l	94
90) Hexachloroethane	15.02	117	259027	57.865	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	413453	54.383	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34650	56.695	ug/l	56

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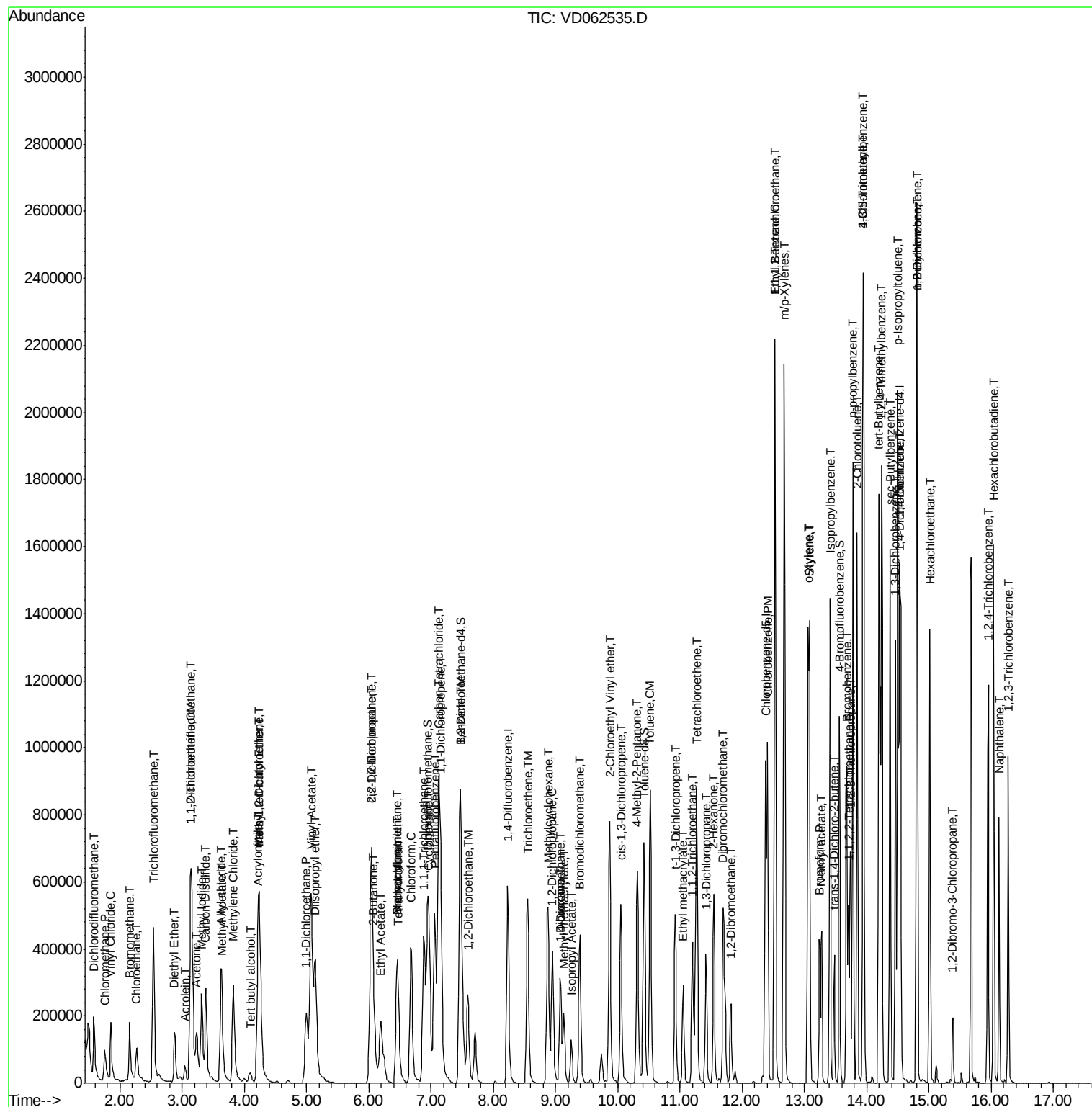
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	301896	50.431	ug/l	97
94) Hexachlorobutadiene	16.04	225	238908	54.051	ug/l	99
95) Naphthalene	16.13	128	434468	53.116	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	239129	48.728	ug/l	97

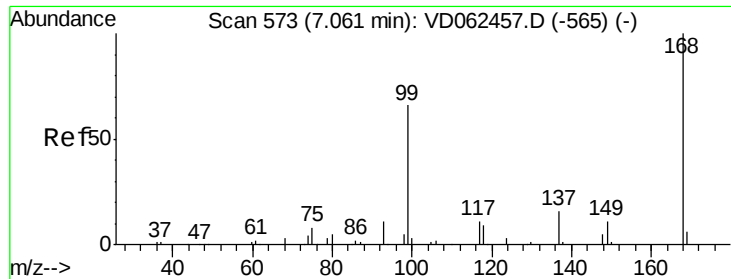
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

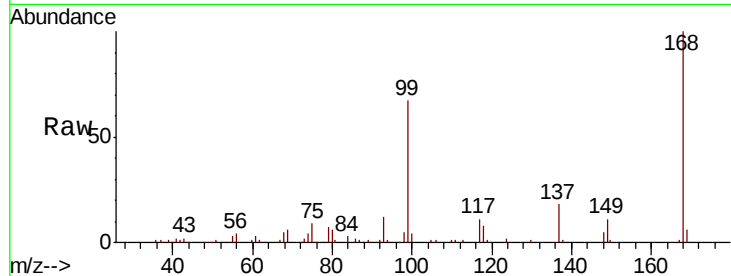
VSTDCCC050

Tot Ion:168 Resp: 457565

Ion Ratio Lower Upper

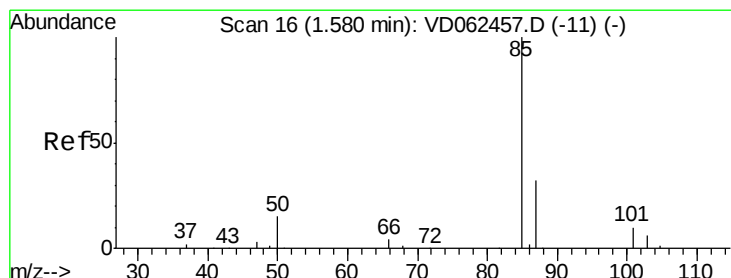
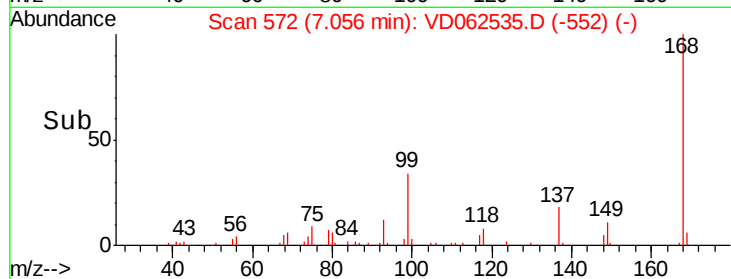
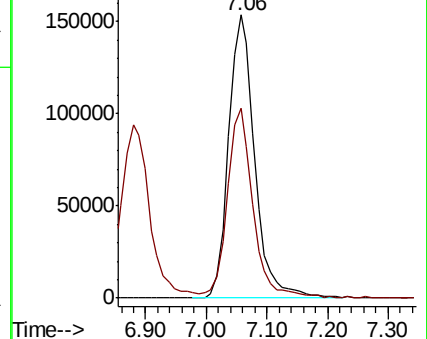
168 100

99 67.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.979 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062535.D

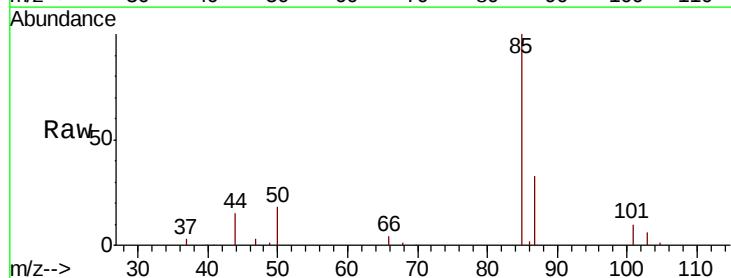
Acq: 28 May 2019 12:34

Tgt Ion: 85 Resp: 217803

Ion Ratio Lower Upper

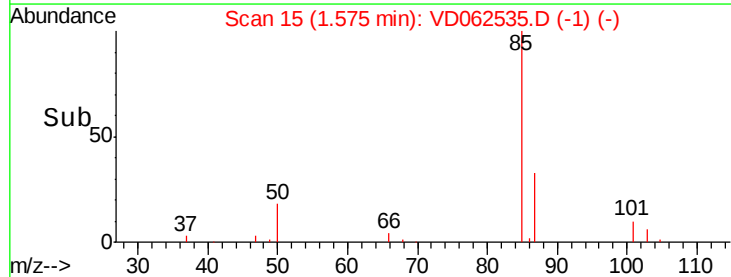
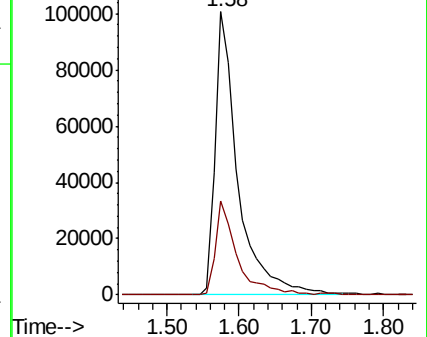
85 100

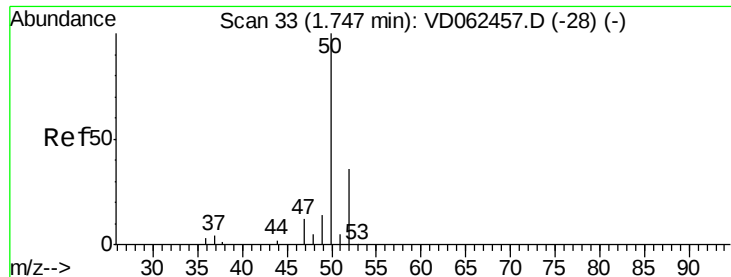
87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.307 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

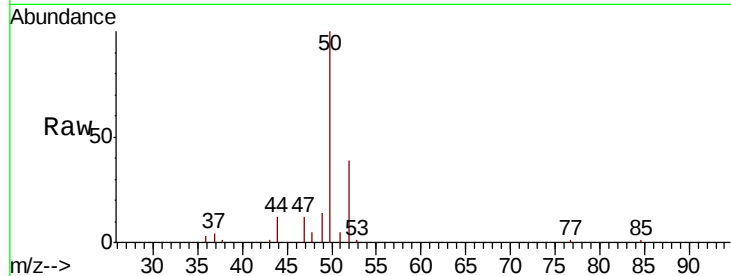
VSTDCCC050

Tot Ion: 50 Resp: 143614

Ion Ratio Lower Upper

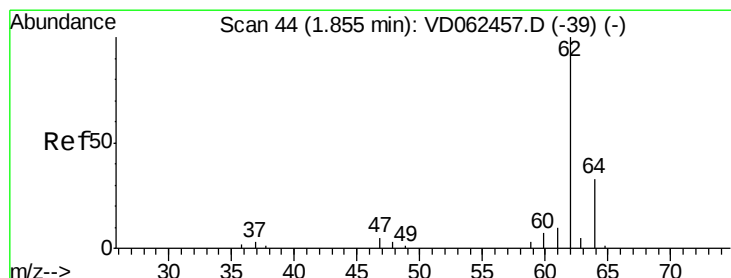
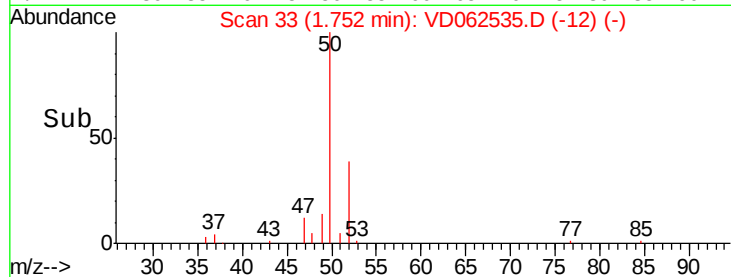
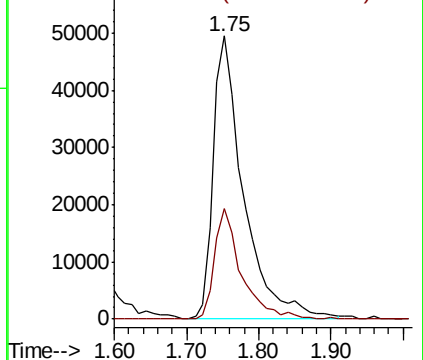
50 100

52 38.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.445 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062535.D

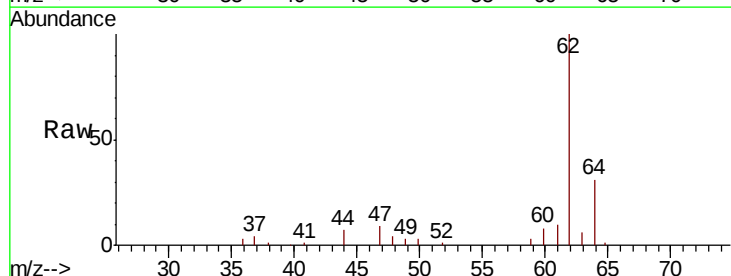
Acq: 28 May 2019 12:34

Tgt Ion: 62 Resp: 178269

Ion Ratio Lower Upper

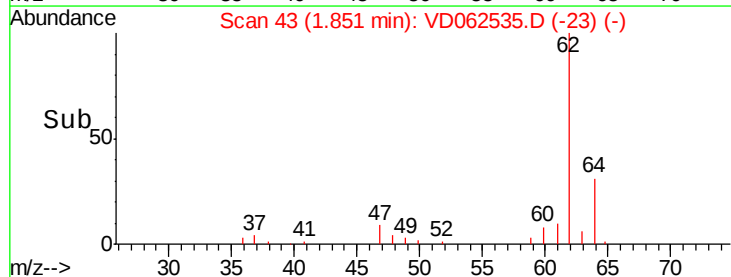
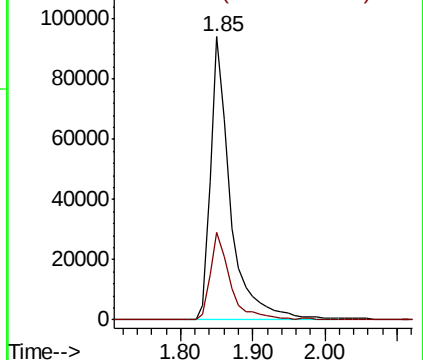
62 100

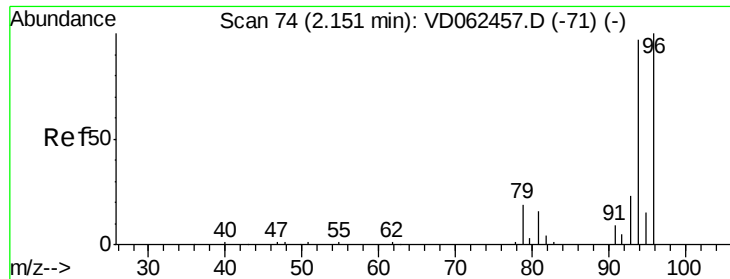
64 31.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 74.707 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

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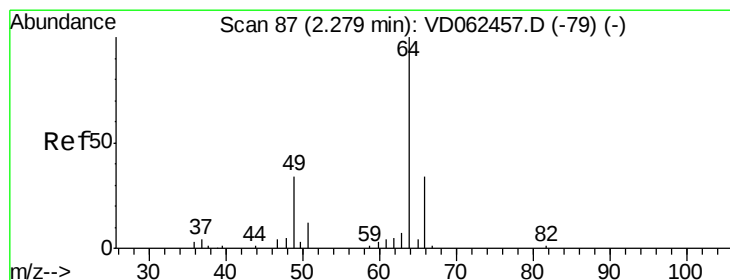
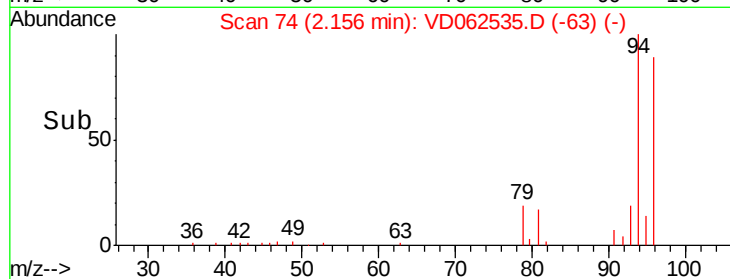
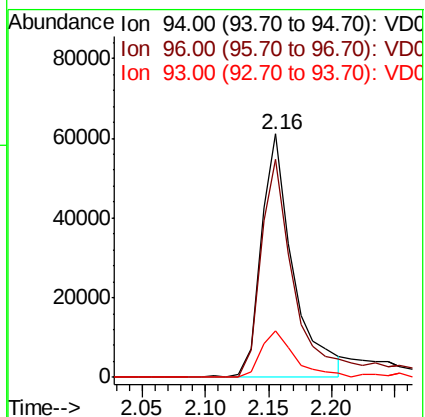
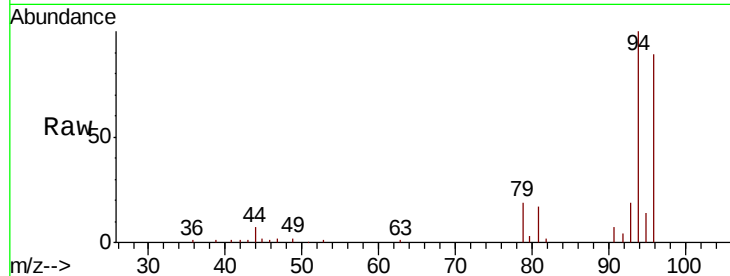
Tot Ion: 94 Resp: 107528

Ion Ratio Lower Upper

94 100

96 89.5 76.6 115.0

93 19.0 18.5 27.7



#6

Chloroethane

Concen: 65.566 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD062535.D

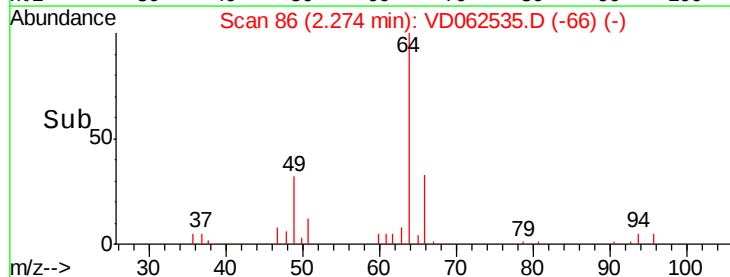
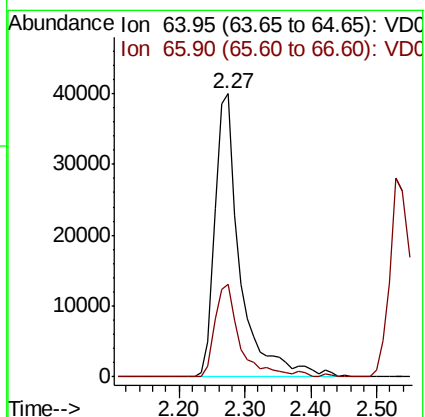
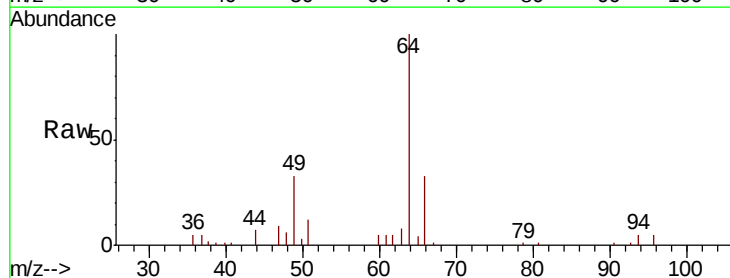
Acq: 28 May 2019 12:34

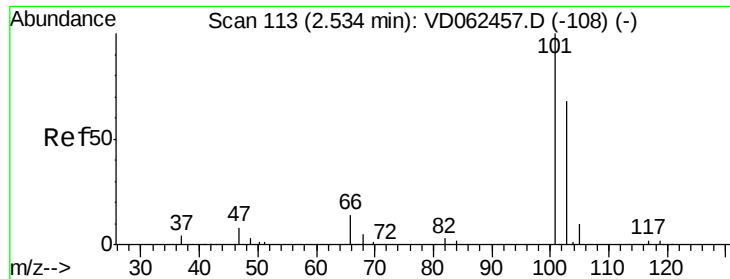
Tgt Ion: 64 Resp: 105795

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



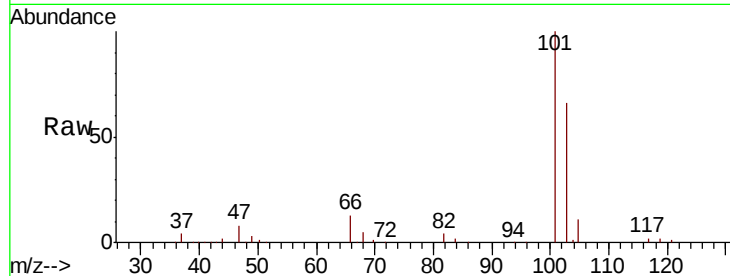


#7

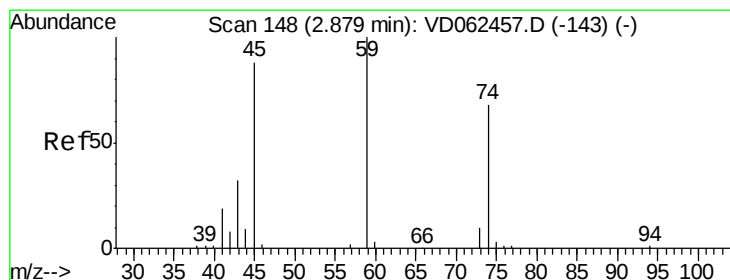
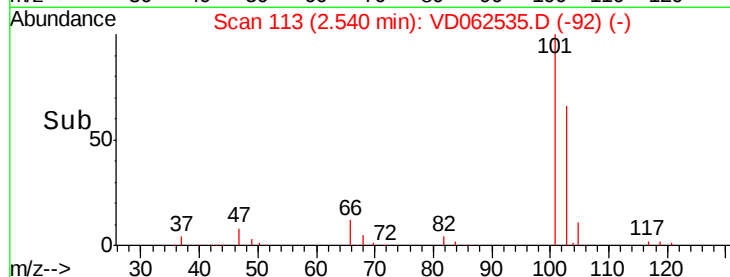
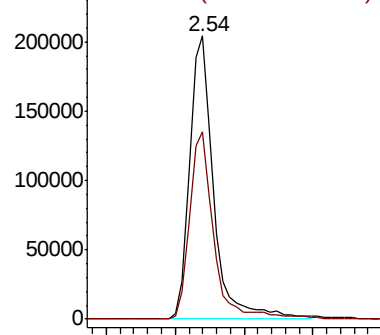
Trichlorofluoromethane
 Concen: 64.030 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062535.D
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Tot Ion:101 Resp: 493474
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.6 80.4



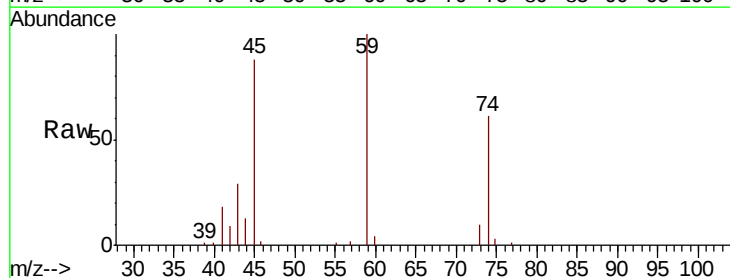
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



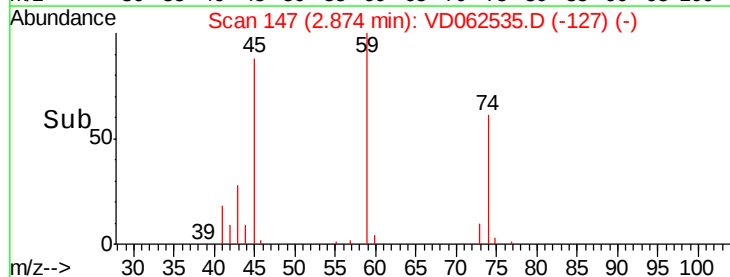
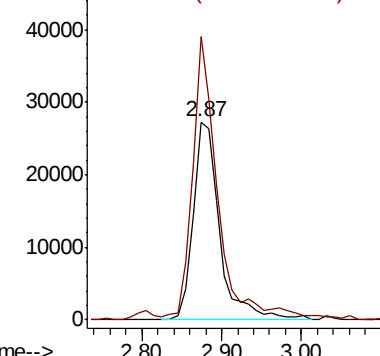
#8

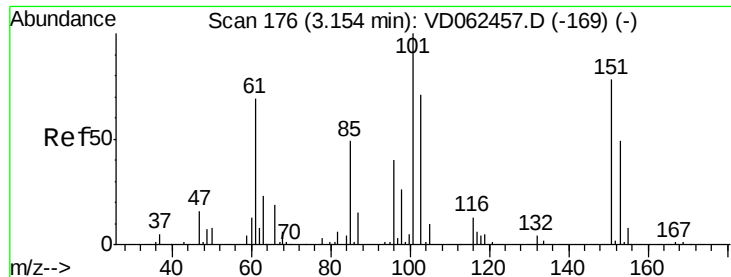
Diethyl Ether
 Concen: 61.448 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062535.D
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Tgt Ion: 74 Resp: 63884
 Ion Ratio Lower Upper
 74 100
 45 146.4 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.898 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

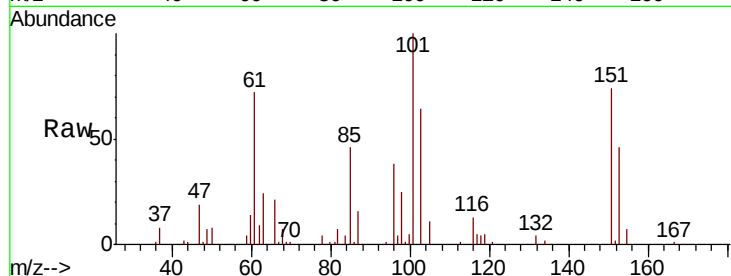
Tot Ion:101 Resp: 247125

Ion Ratio Lower Upper

101 100

85 46.4 32.4 48.6

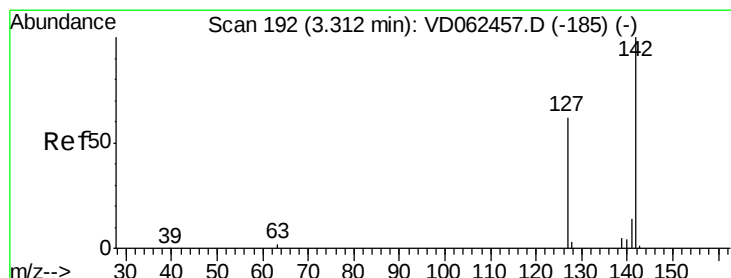
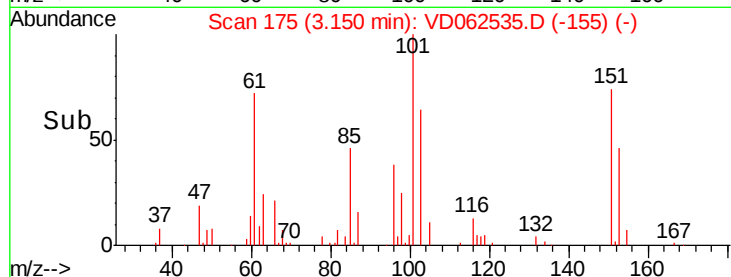
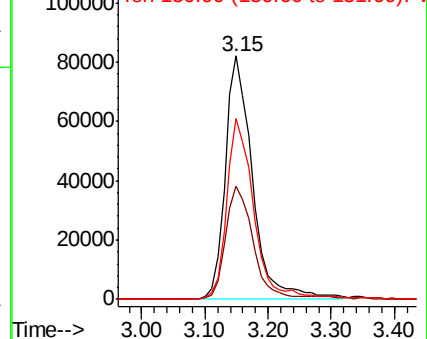
151 74.2 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 58.203 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

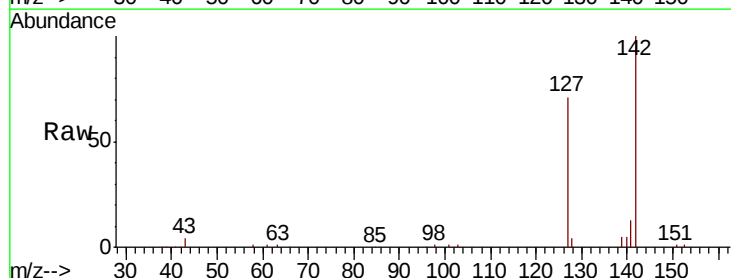
Tgt Ion:142 Resp: 372103

Ion Ratio Lower Upper

142 100

127 70.6 38.8 58.2#

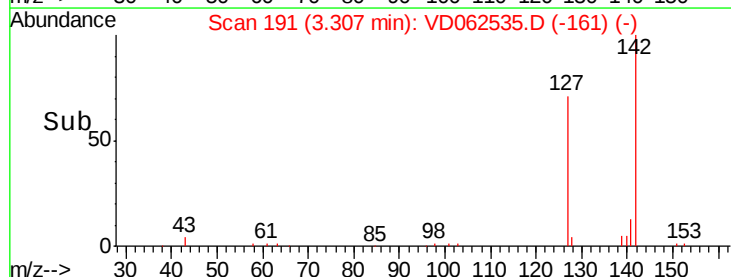
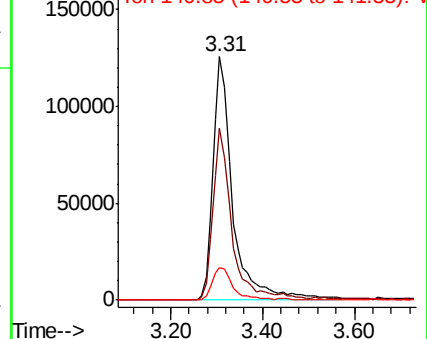
141 13.4 11.4 17.0

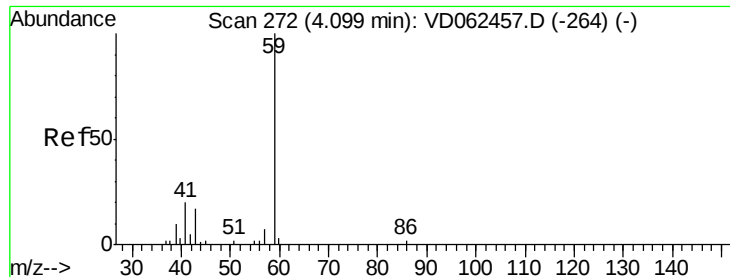


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



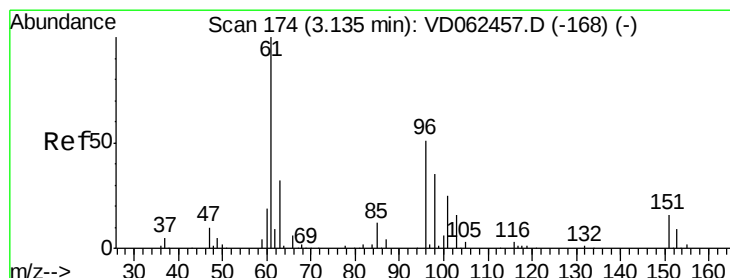
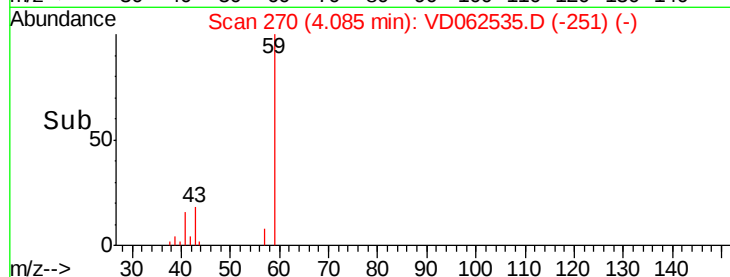
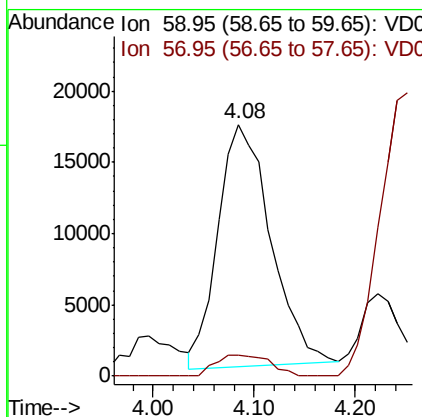
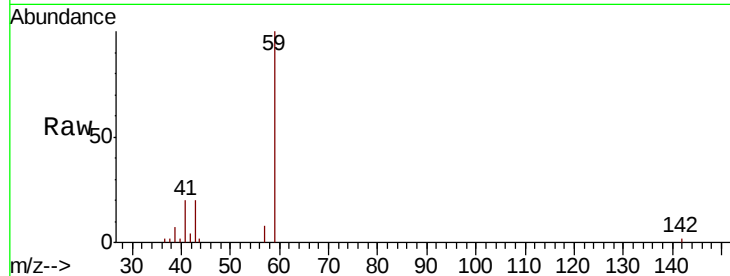


#11

Tert butyl alcohol
 Concen: 273.000 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

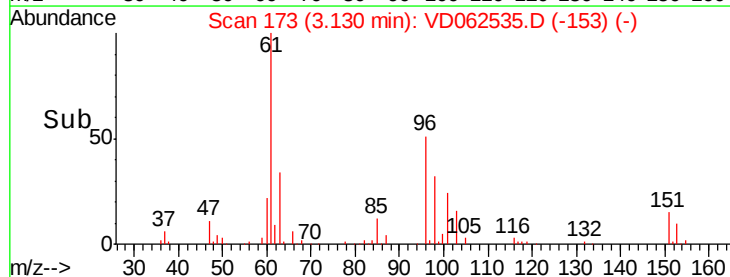
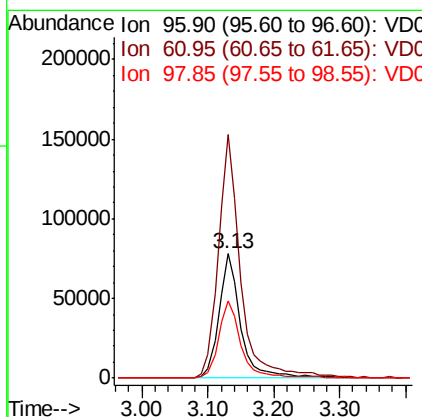
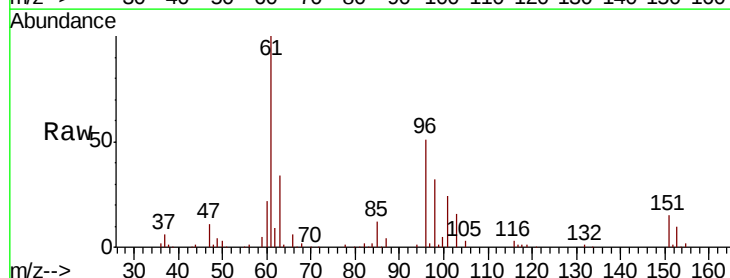
Tot Ion: 59 Resp: 61720
 Ion Ratio Lower Upper
 59 100
 57 8.4 6.9 10.3

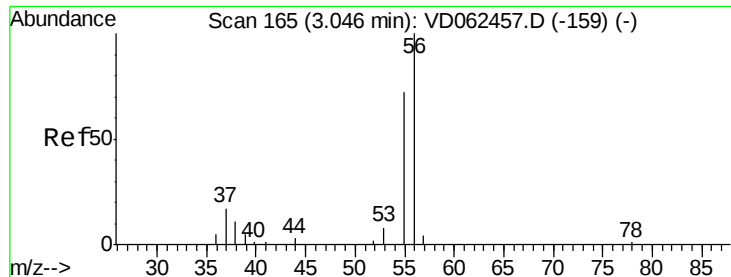


#12

1,1-Dichloroethene
 Concen: 52.871 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 96 Resp: 179159
 Ion Ratio Lower Upper
 96 100
 61 196.4 129.8 194.8#
 98 62.2 51.2 76.8





#13

Acrolein

Concen: 252.849 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

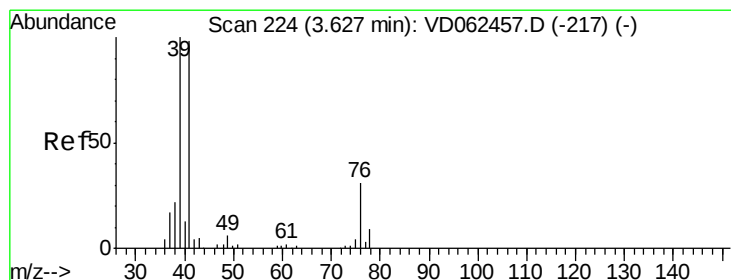
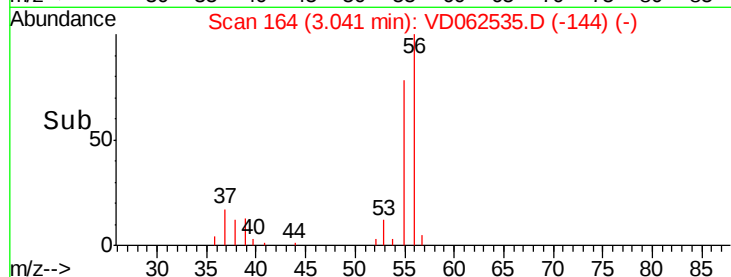
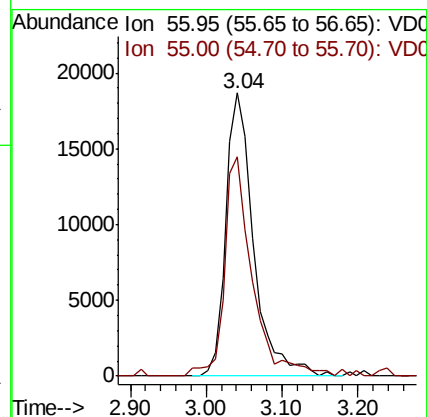
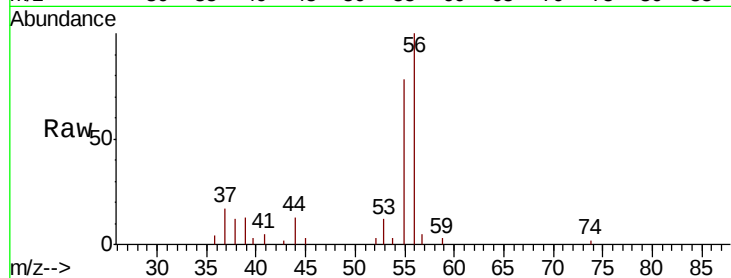
VSTDCCC050

Tot Ion: 56 Resp: 47472

Ion Ratio Lower Upper

56 100

55 77.5 51.4 77.2#



#14

Allyl chloride

Concen: 50.510 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

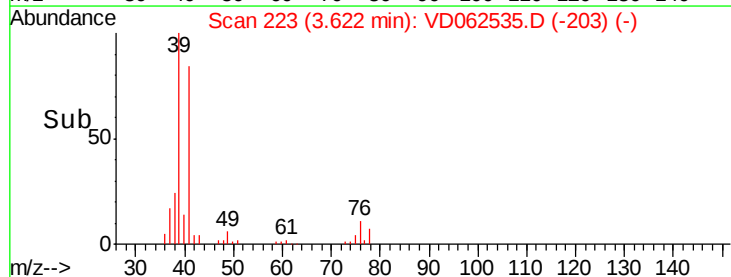
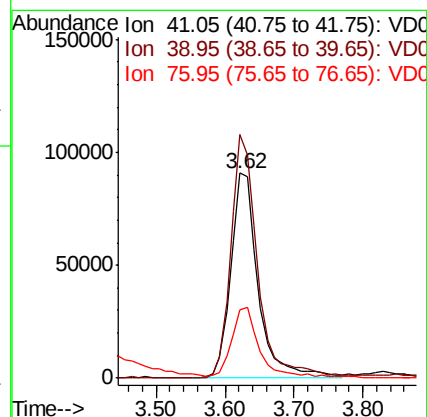
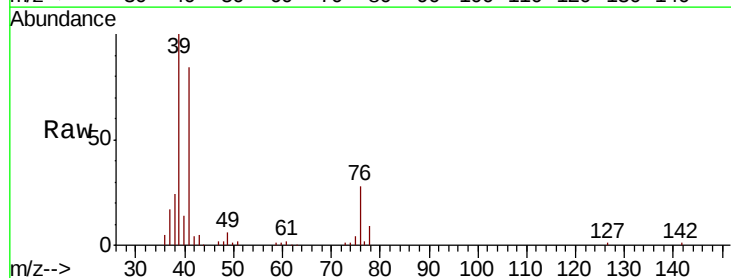
Tgt Ion: 41 Resp: 252367

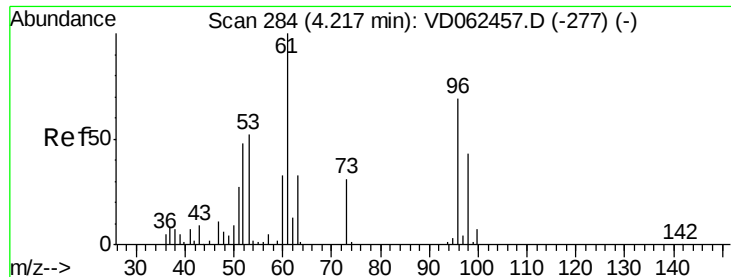
Ion Ratio Lower Upper

41 100

39 118.7 60.5 90.7#

76 33.2 31.8 47.8





#15

Acrylonitrile

Concen: 253.027 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

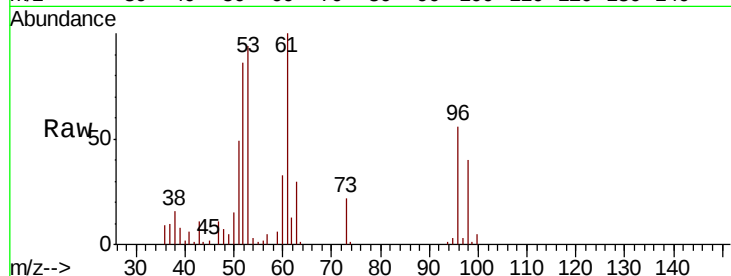
Tot Ion: 53 Resp: 131081

Ion Ratio Lower Upper

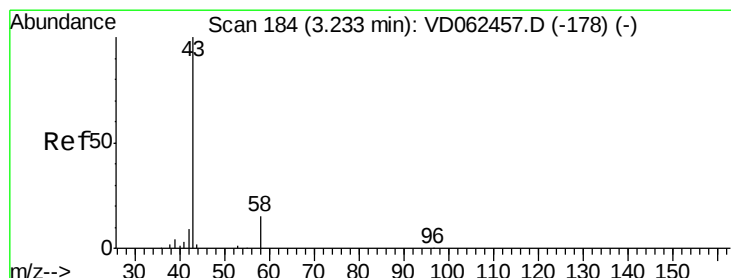
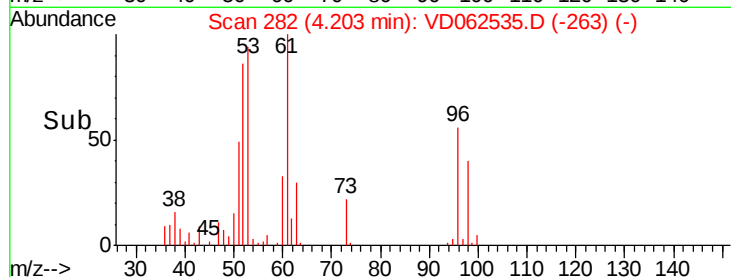
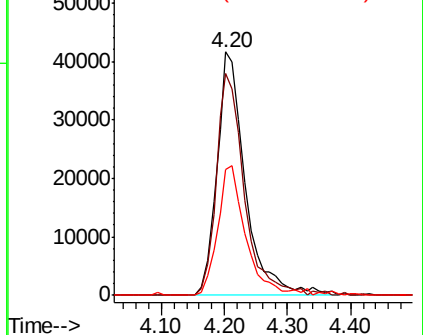
53 100

52 90.9 65.0 97.4

51 51.7 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 302.500 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062535.D

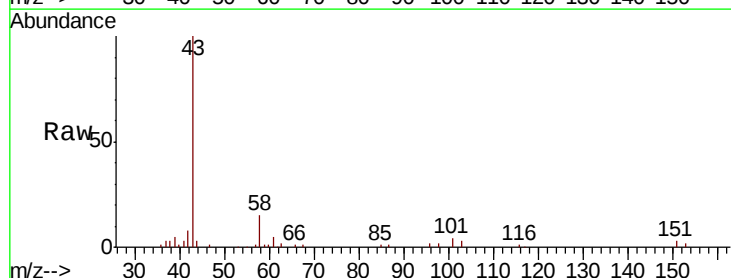
Acq: 28 May 2019 12:34

Tgt Ion: 43 Resp: 265505

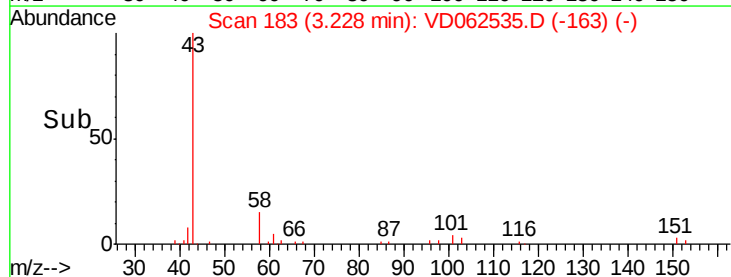
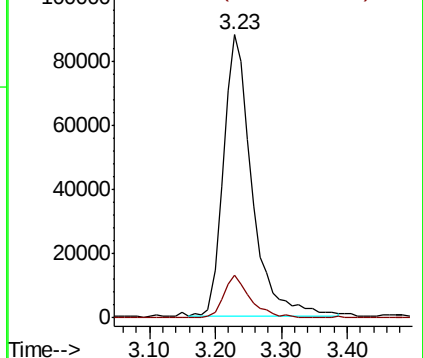
Ion Ratio Lower Upper

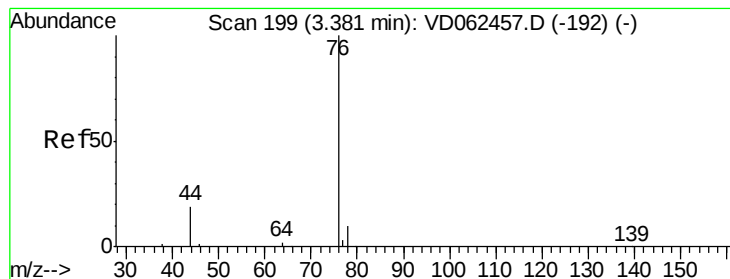
43 100

58 15.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.230 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

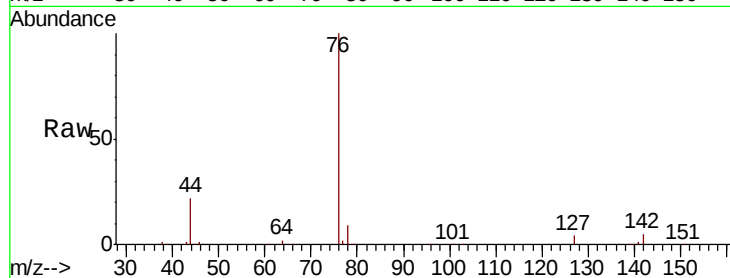
VSTDCCC050

Tot Ion: 76 Resp: 484701

Ion Ratio Lower Upper

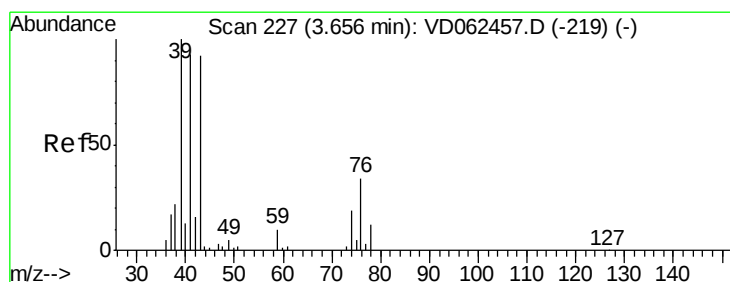
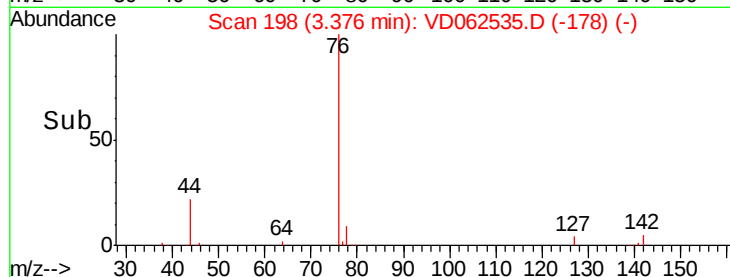
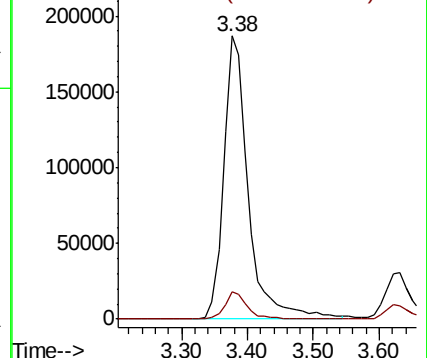
76 100

78 9.5 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 51.294 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.00 min

Lab File: VD062535.D

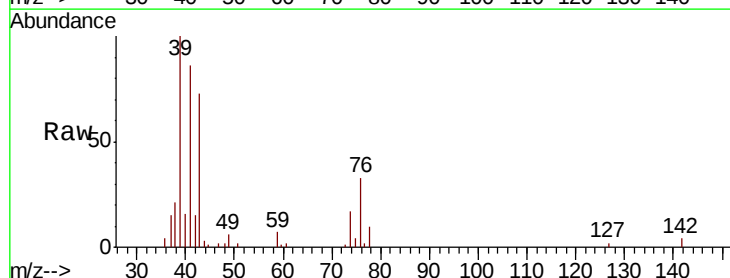
Acq: 28 May 2019 12:34

Tgt Ion: 43 Resp: 77687

Ion Ratio Lower Upper

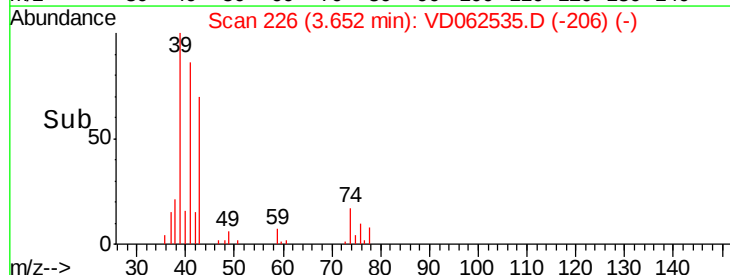
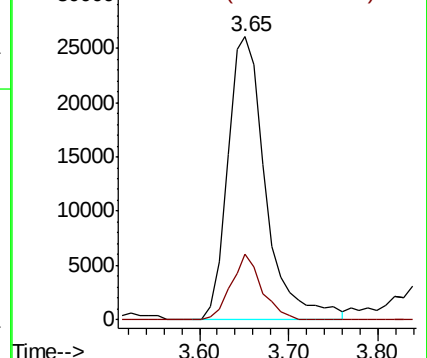
43 100

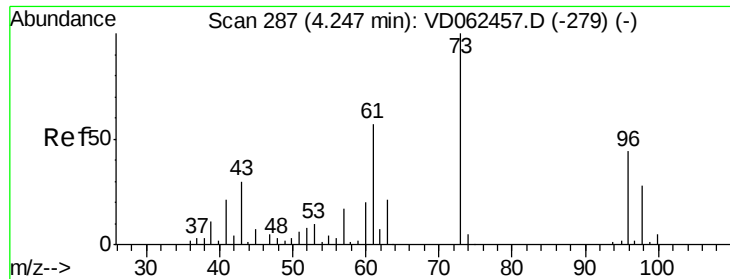
74 23.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

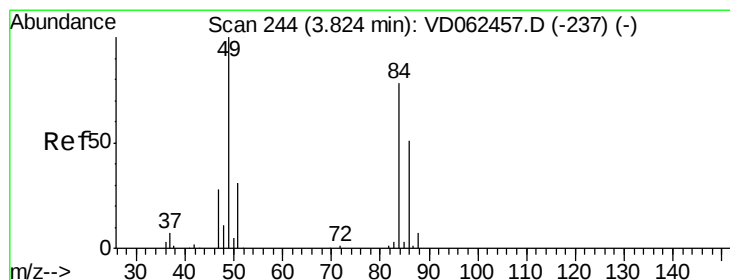
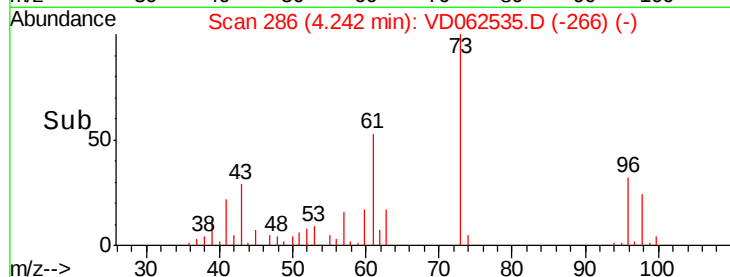
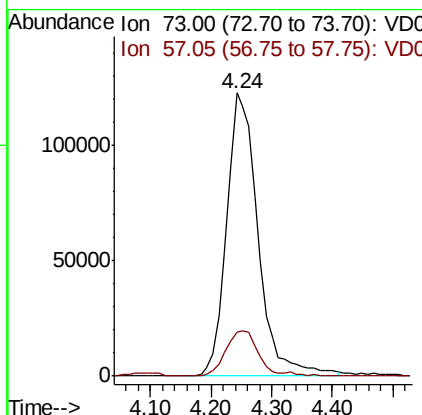
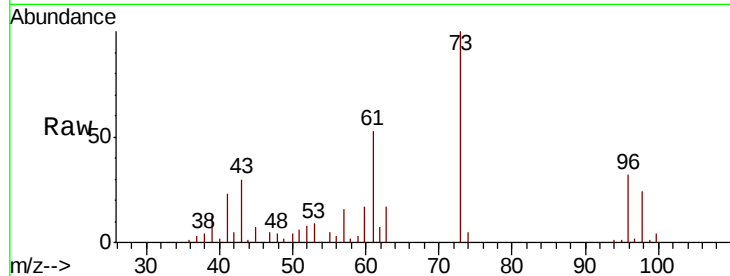




#19
Methvl tert-butvl Ether
Concen: 56.573 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

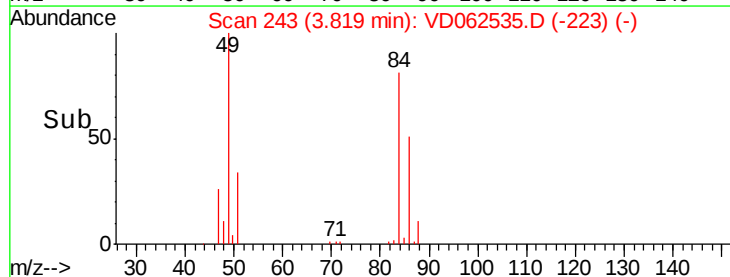
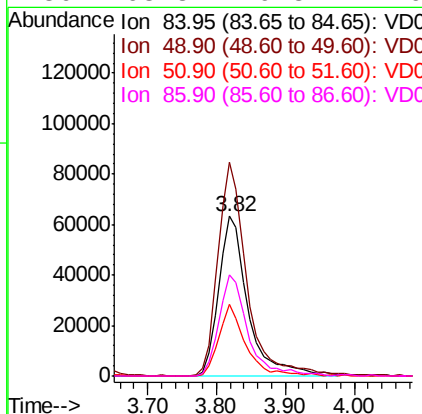
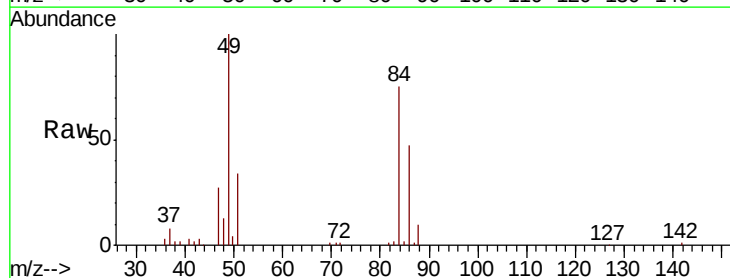
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

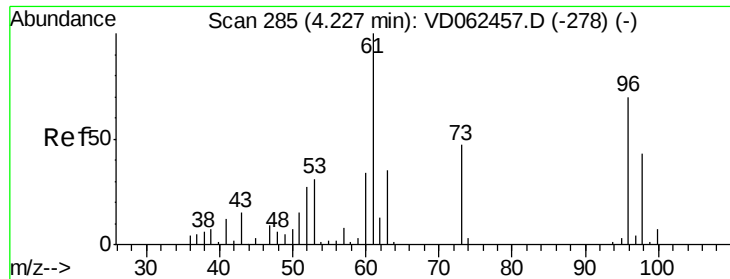
Tot Ion: 73 Resp: 442777
Ion Ratio Lower Upper
73 100
57 15.7 16.3 24.5#



#20
Methylene Chloride
Concen: 49.751 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 84 Resp: 186428
Ion Ratio Lower Upper
84 100
49 133.9 94.0 141.0
51 45.0 29.0 43.4#
86 63.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 47.081 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

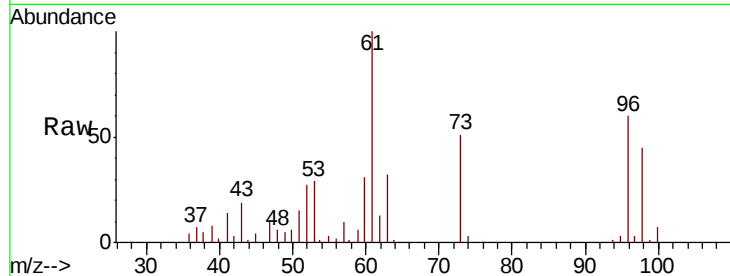
Tot Ion: 96 Resp: 186767

Ion Ratio Lower Upper

96 100

61 167.4 104.4 156.6#

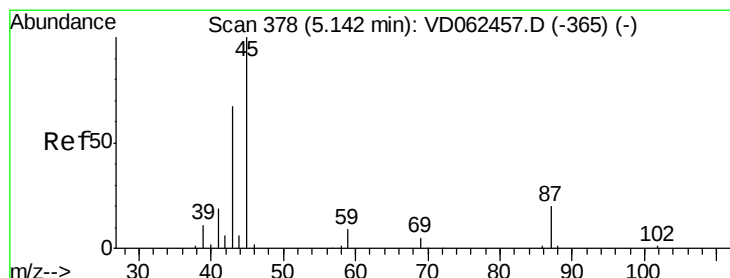
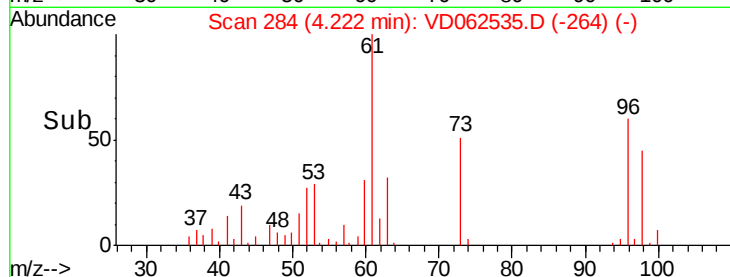
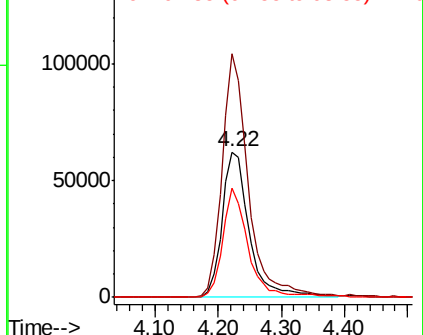
98 75.1 51.8 77.8



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: 50.691 ug/l

RT: 5.14 min Scan# 377

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion: 45 Resp: 539094

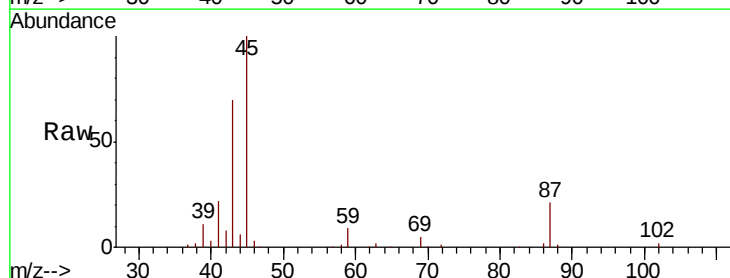
Ion Ratio Lower Upper

45 100

43 69.9 46.2 69.2#

87 21.3 15.9 23.9

59 9.0 7.9 11.9

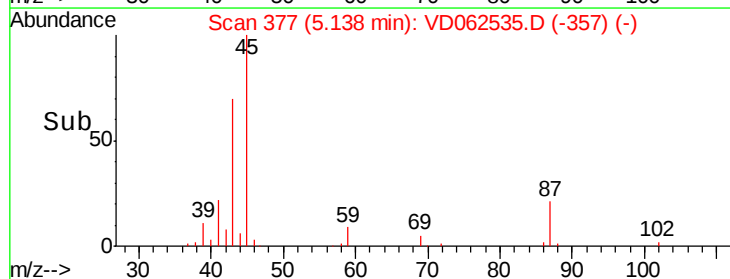
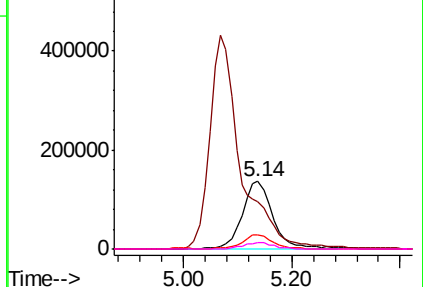


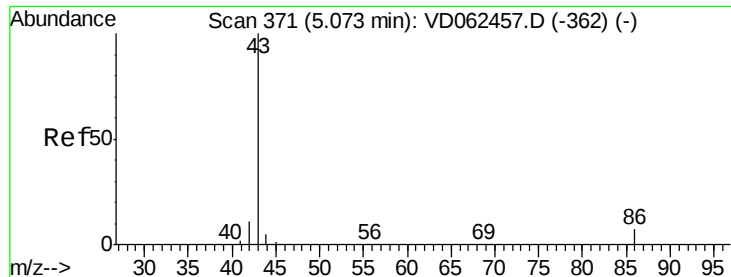
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 263.755 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

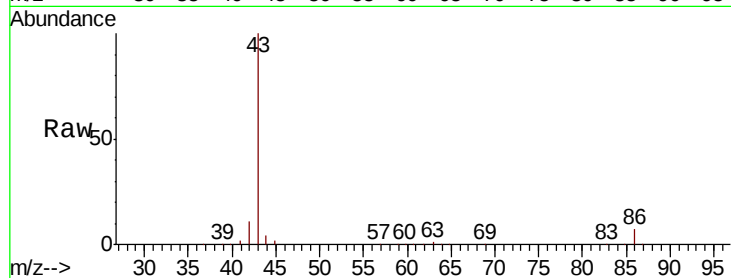
VSTDCCC050

Tot Ion: 43 Resp: 1694941

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

400000

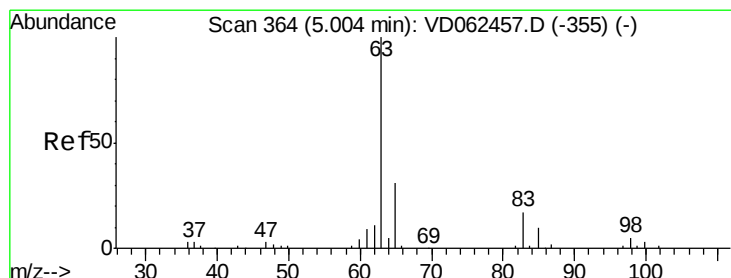
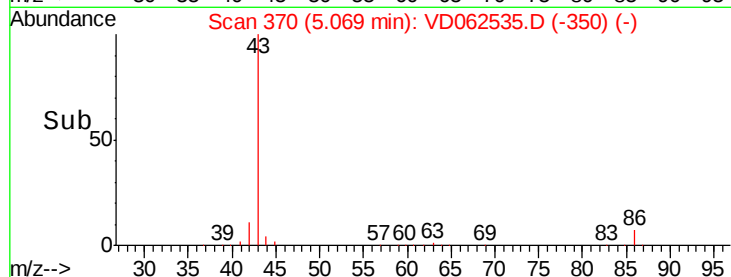
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 50.534 ug/l

RT: 5.00 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

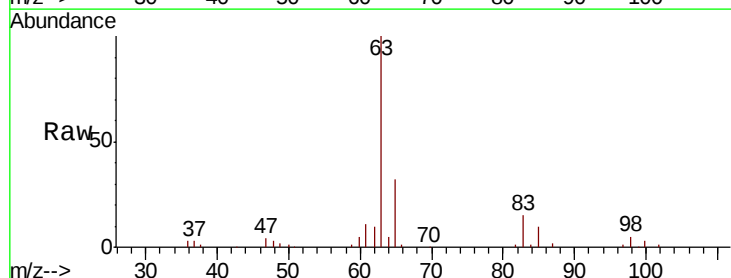
Tgt Ion: 63 Resp: 346127

Ion Ratio Lower Upper

63 100

98 4.8 2.8 8.4

100 2.9 1.8 5.5



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

5.00

120000

100000

80000

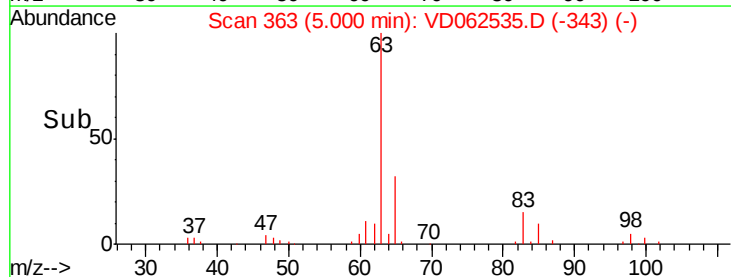
60000

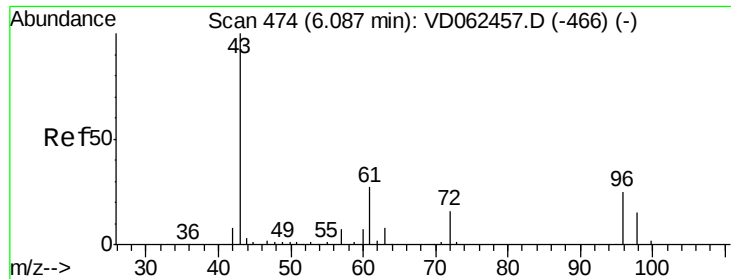
40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 262.381 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

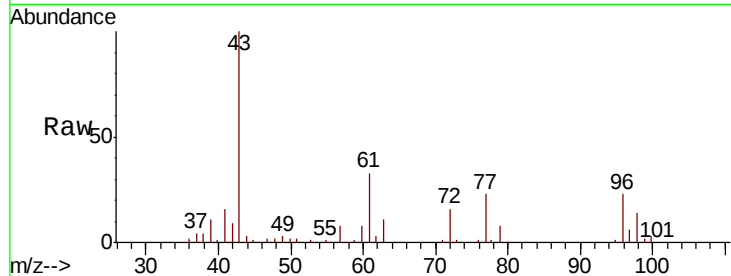
VSTDCCC050

Tot Ion: 43 Resp: 240864

Ion Ratio Lower Upper

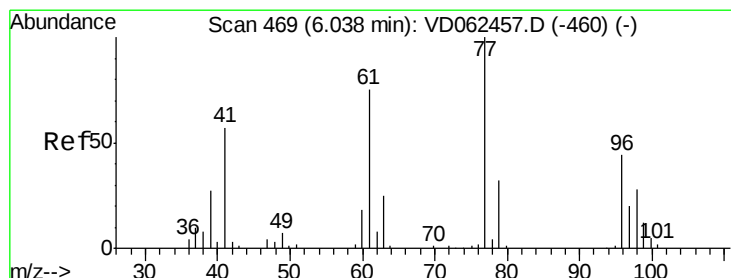
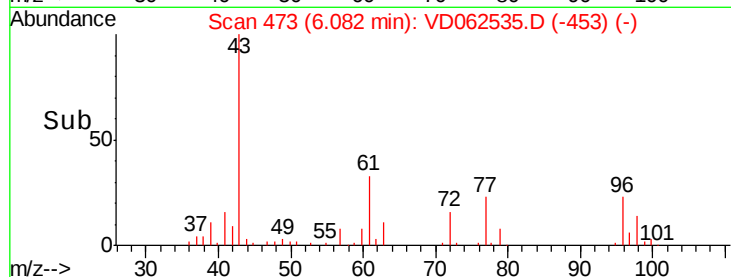
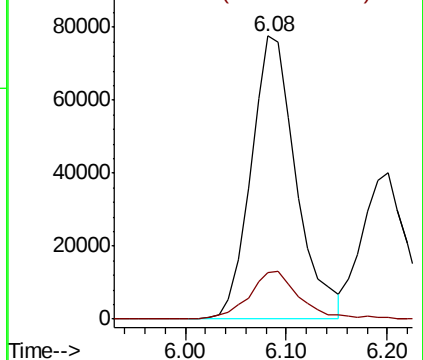
43 100

72 16.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 60.844 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD062535.D

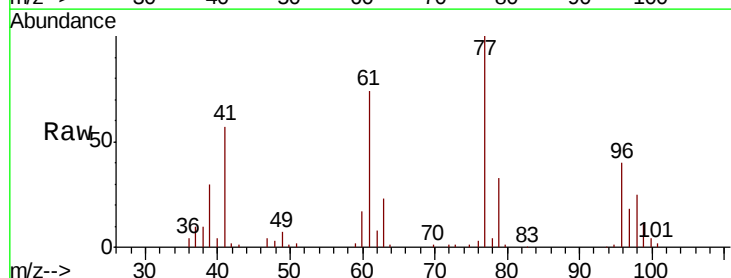
Acq: 28 May 2019 12:34

Tgt Ion: 77 Resp: 449230

Ion Ratio Lower Upper

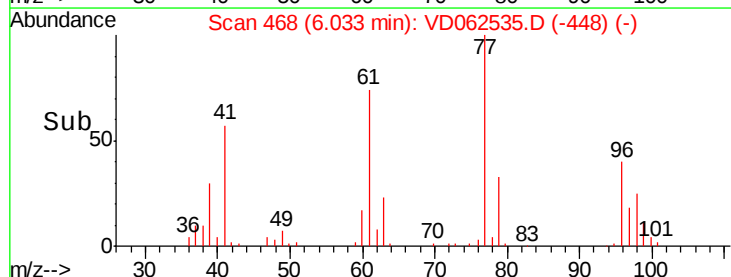
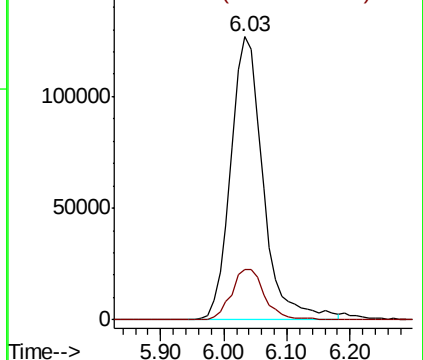
77 100

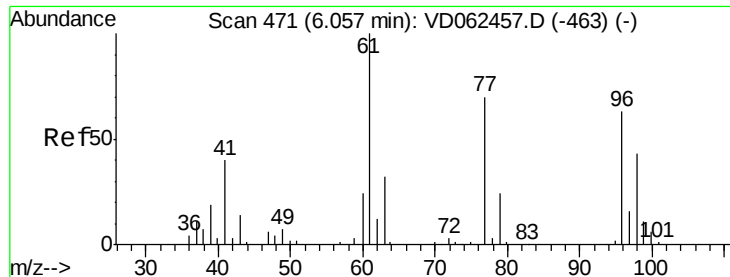
97 17.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



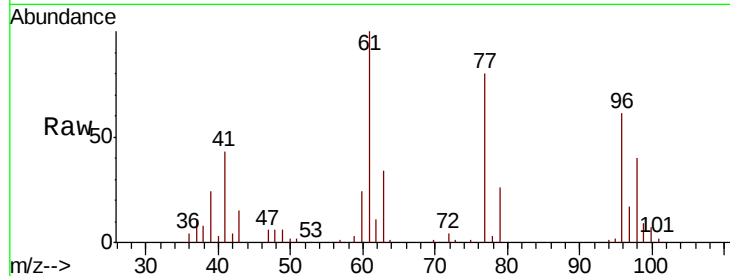


#27

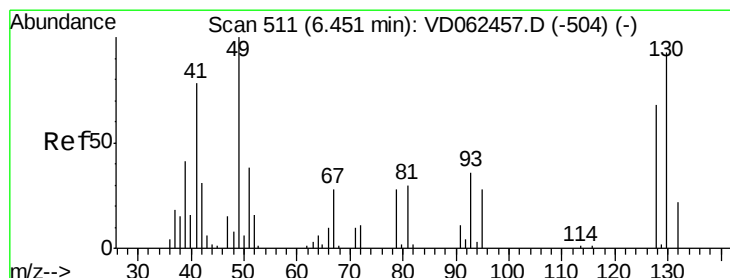
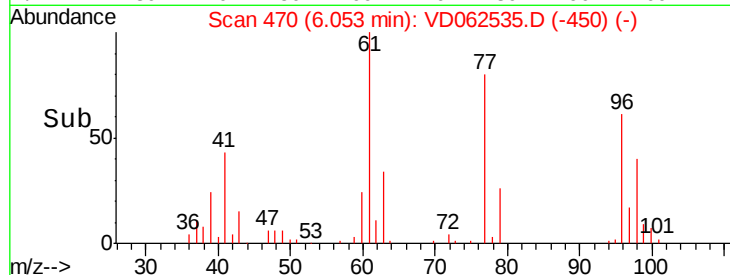
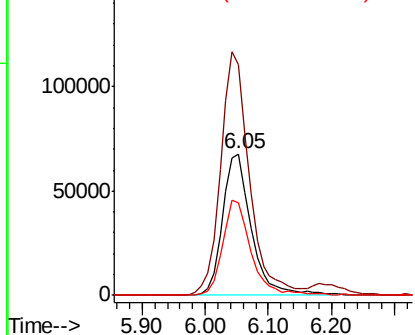
cis-1,2-Dichloroethene
Concen: 50.122 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 214400
Ion Ratio Lower Upper
96 100
61 163.0 0.0 279.8
98 65.6 0.0 136.0



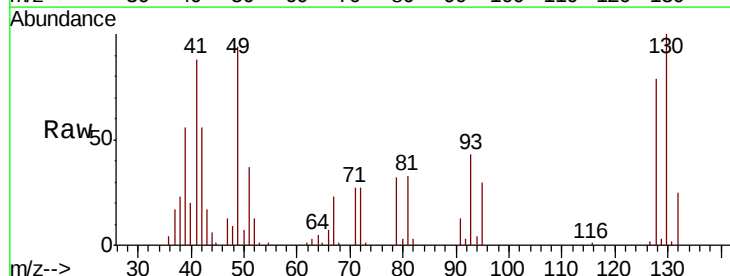
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



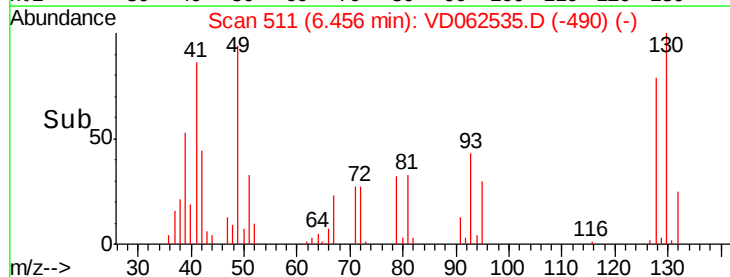
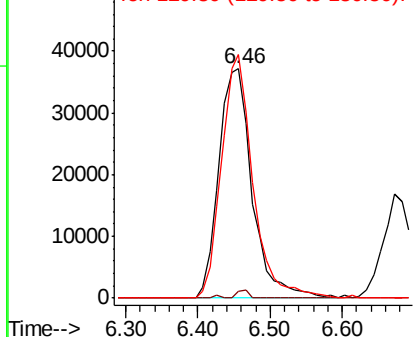
#28

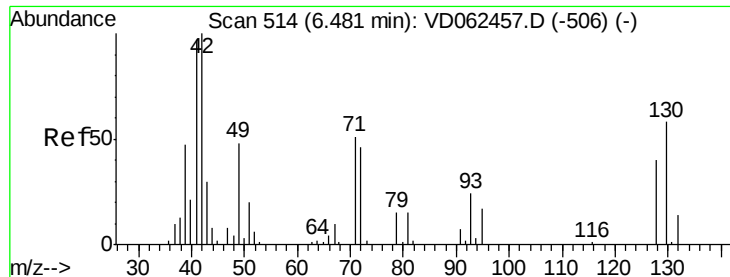
Bromochloromethane
Concen: 48.367 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 49 Resp: 118899
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.6
130 106.3 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

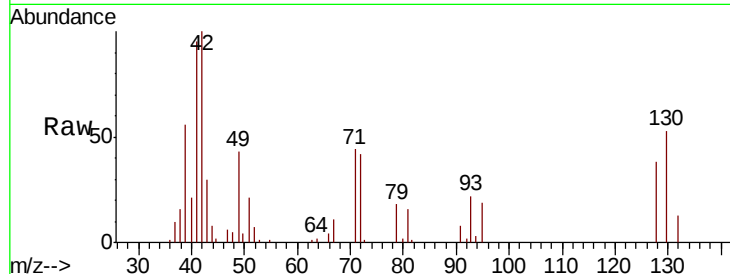




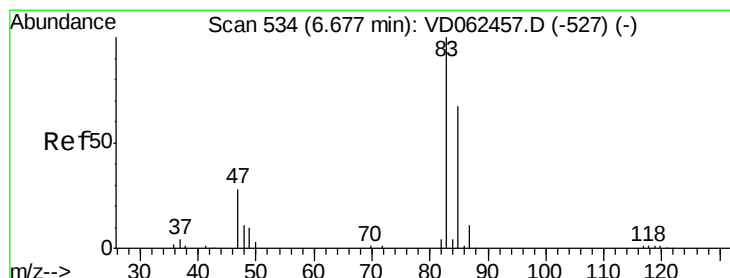
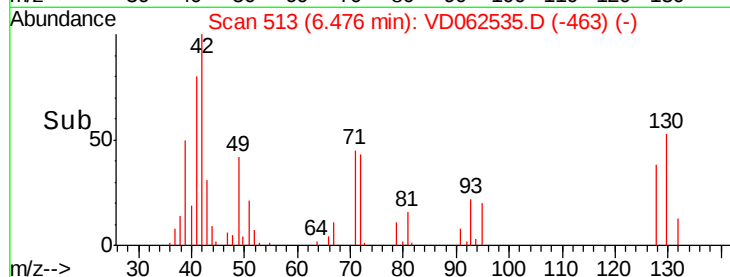
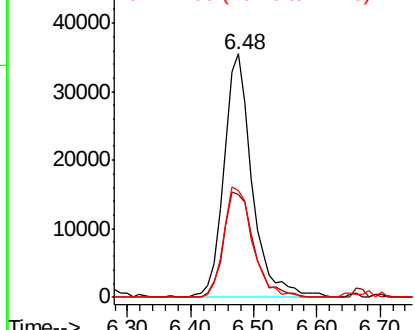
#29
Tetrahydrofuran
Concen: 250.129 ug/l
RT: 6.48 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 109662
Ion Ratio Lower Upper
42 100
72 46.1 37.8 56.6
71 46.4 36.7 55.1

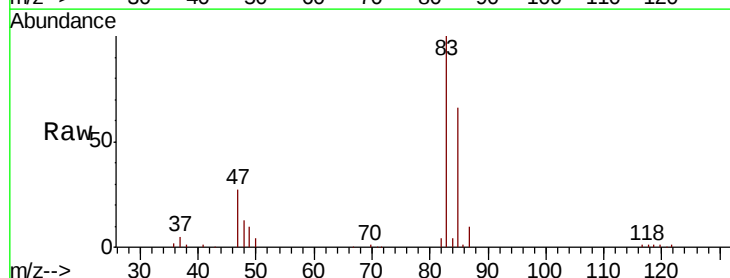


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

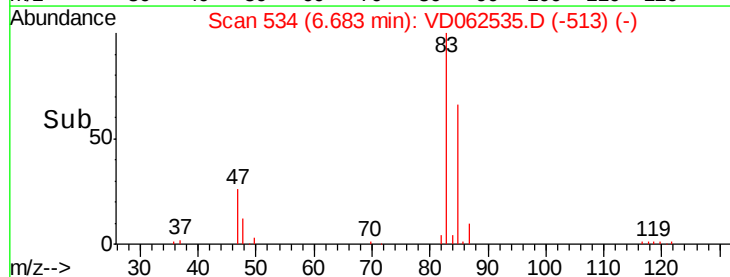
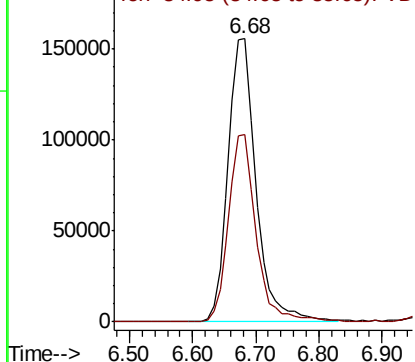


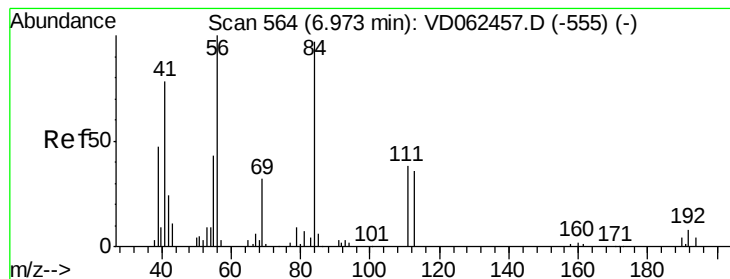
#30
Chloroform
Concen: 54.858 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 83 Resp: 479029
Ion Ratio Lower Upper
83 100
85 66.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 49.414 ug/l

RT: 6.97 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

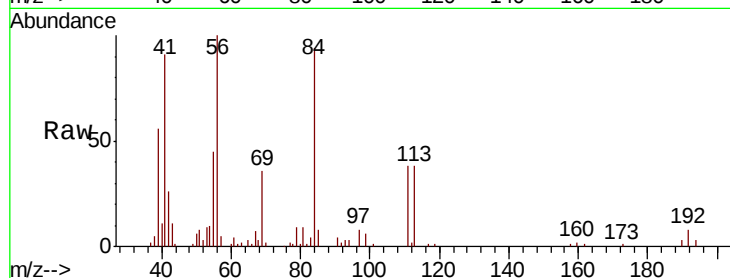
Tot Ion: 56 Resp: 228519

Ion Ratio Lower Upper

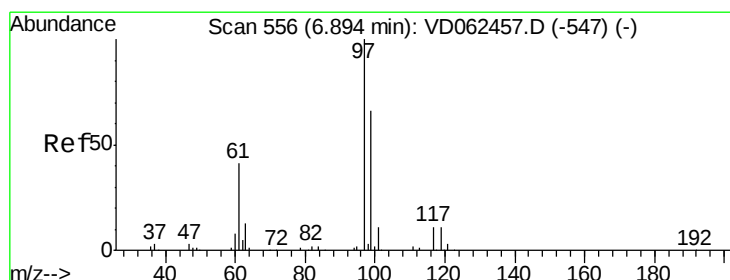
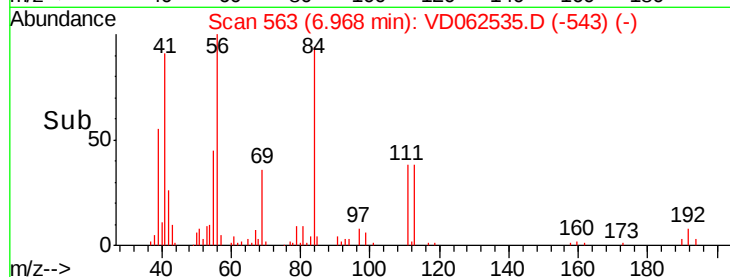
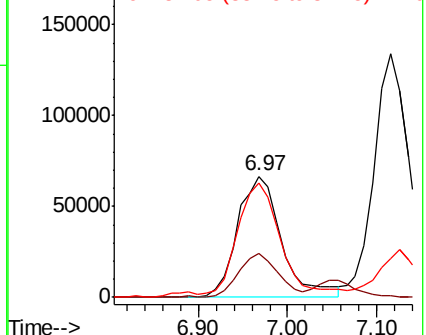
56 100

69 36.0 25.8 38.6

84 94.3 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.662 ug/l

RT: 6.88 min Scan# 554

Delta R.T. -0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

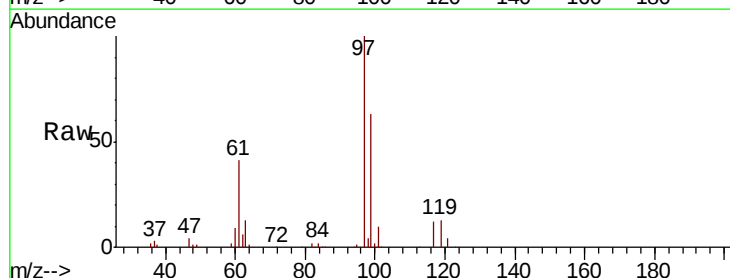
Tgt Ion: 97 Resp: 481894

Ion Ratio Lower Upper

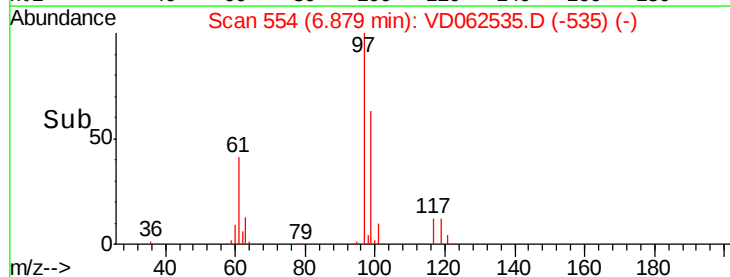
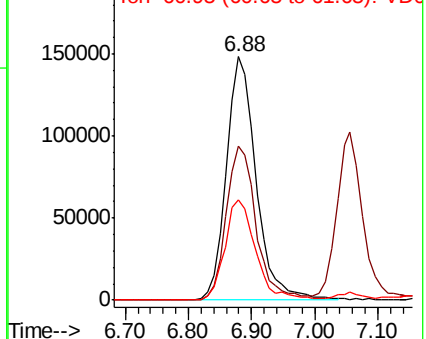
97 100

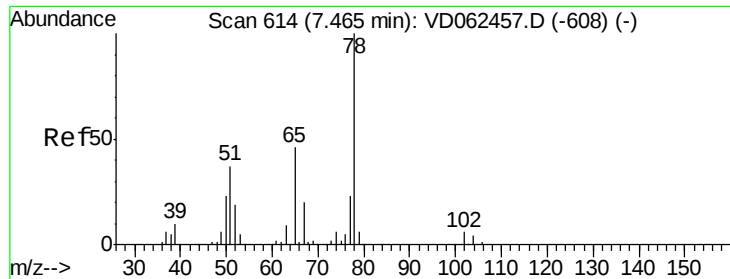
99 63.3 52.2 78.2

61 41.0 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.668 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

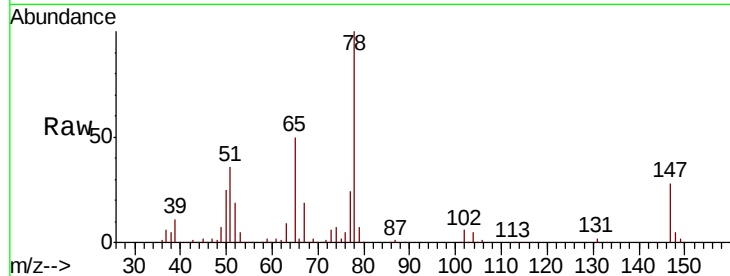
VSTDCCC050

Tot Ion: 65 Resp: 287350

Ion Ratio Lower Upper

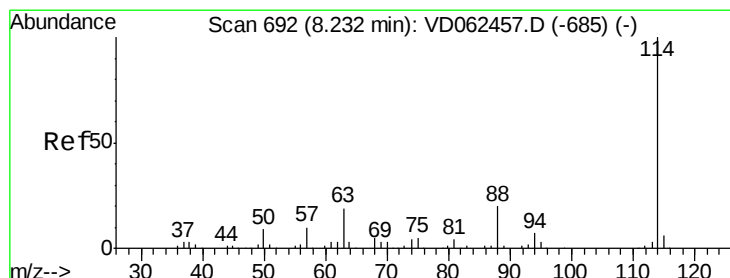
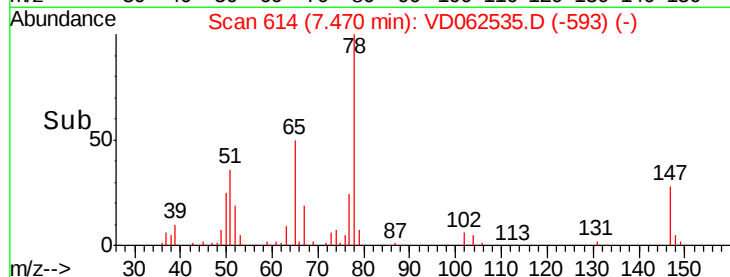
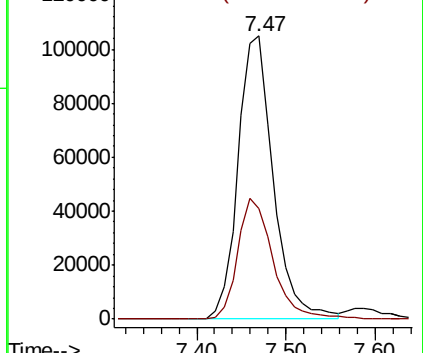
65 100

67 39.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

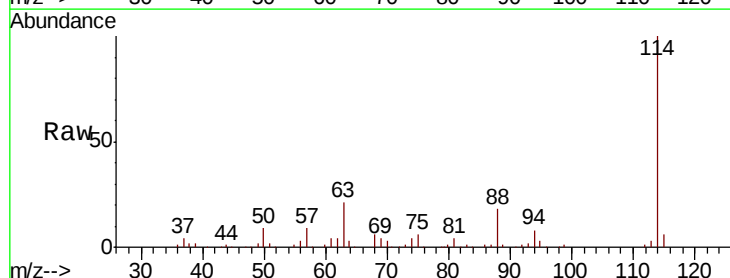
Tgt Ion: 114 Resp: 616544

Ion Ratio Lower Upper

114 100

63 20.5 0.0 32.4

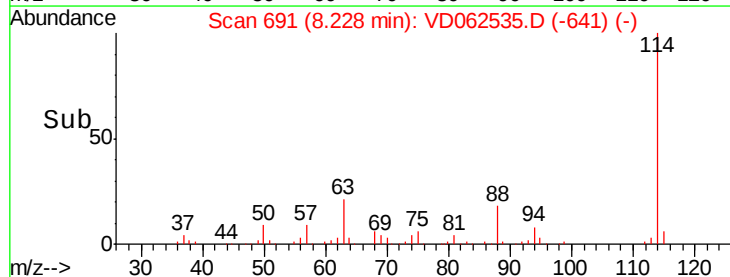
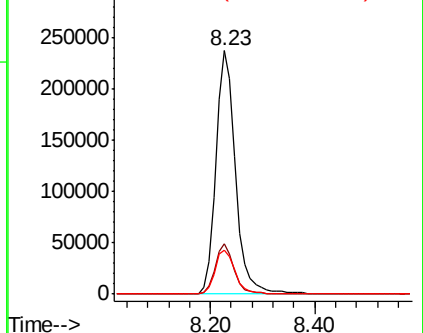
88 18.2 0.0 33.6

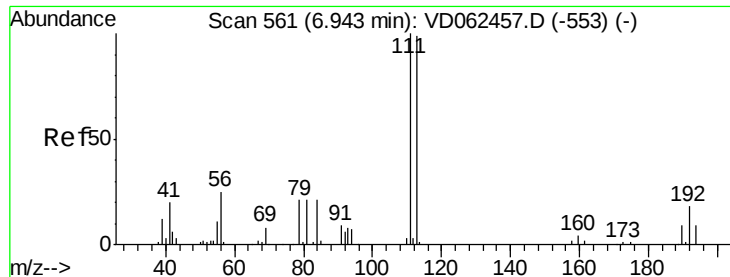


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.922 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

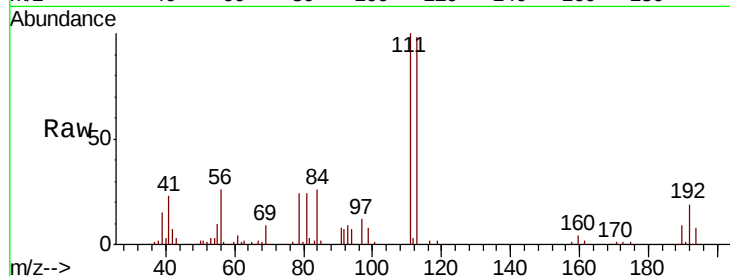
Tot Ion:113 Resp: 288791

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

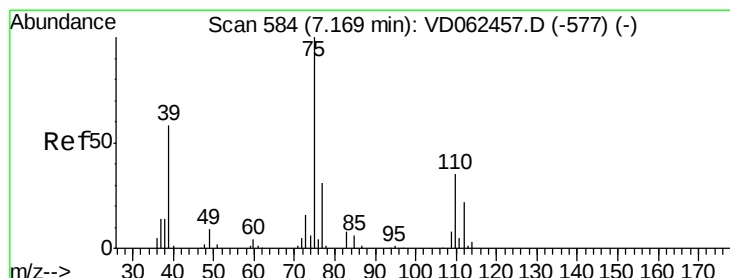
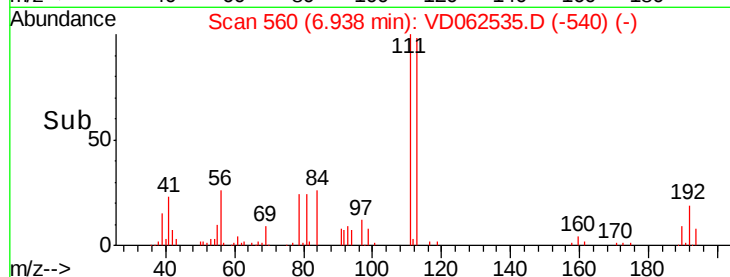
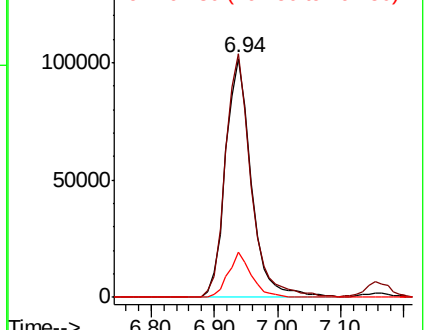
192 19.0 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.647 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

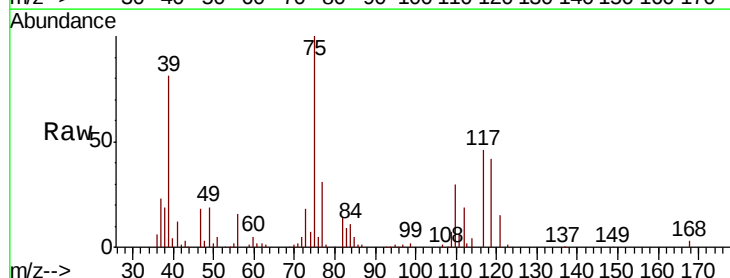
Tgt Ion: 75 Resp: 328014

Ion Ratio Lower Upper

75 100

110 30.3 19.1 57.1

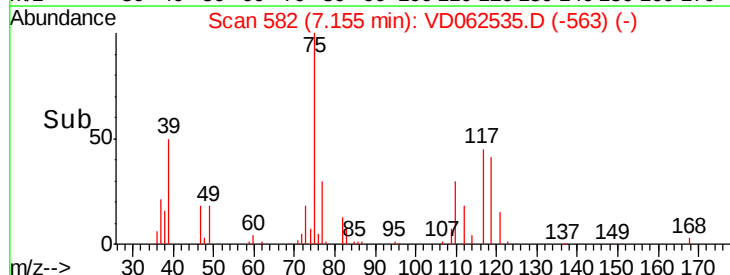
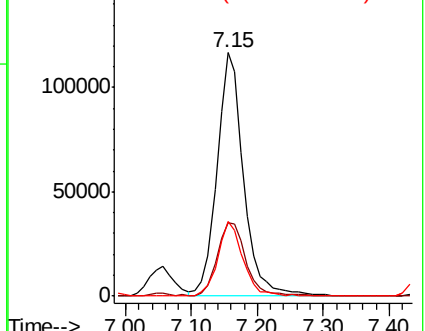
77 30.8 25.6 38.4

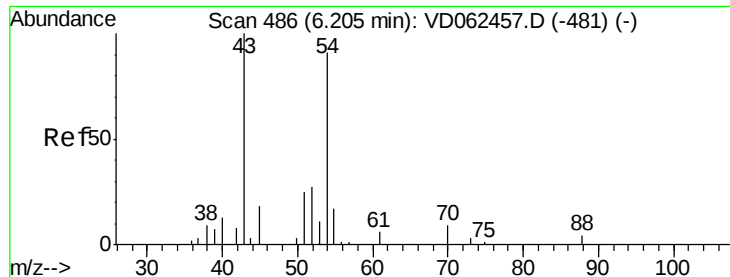


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 55.658 ug/l

RT: 6.20 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

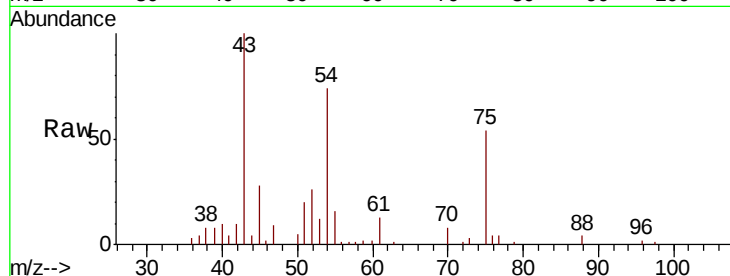
Tot Ion: 43 Resp: 127454

Ion Ratio Lower Upper

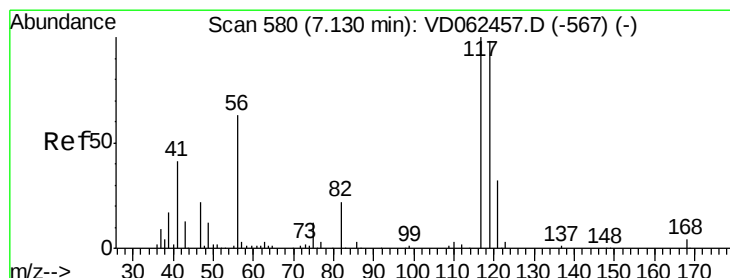
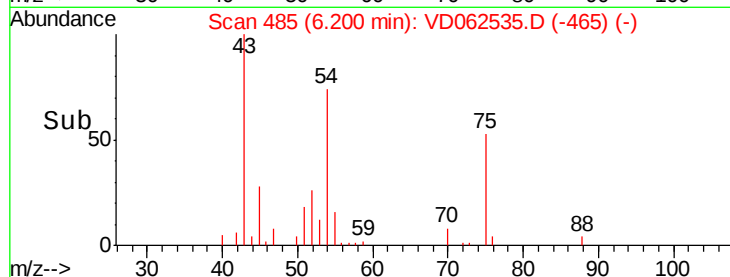
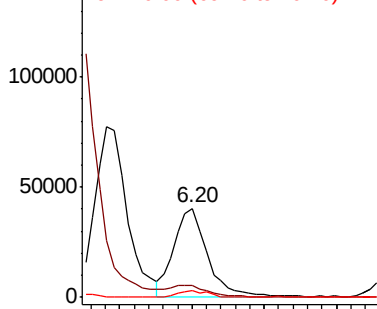
43 100

61 13.3 14.7 22.1#

70 8.3 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 65.886 ug/l

RT: 7.13 min Scan# 579

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

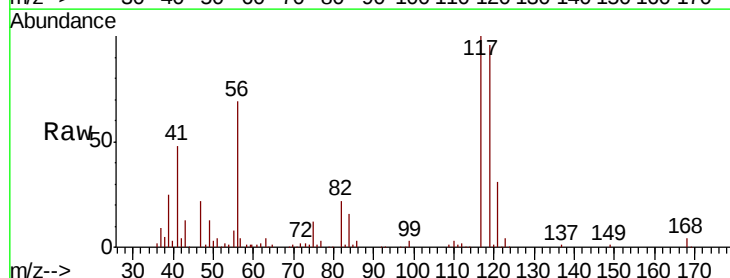
Tgt Ion: 117 Resp: 577205

Ion Ratio Lower Upper

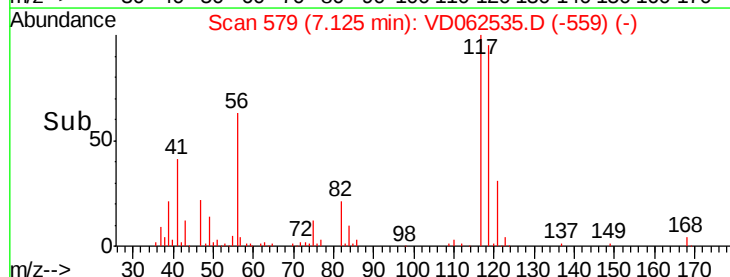
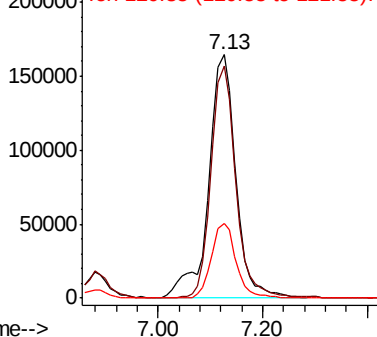
117 100

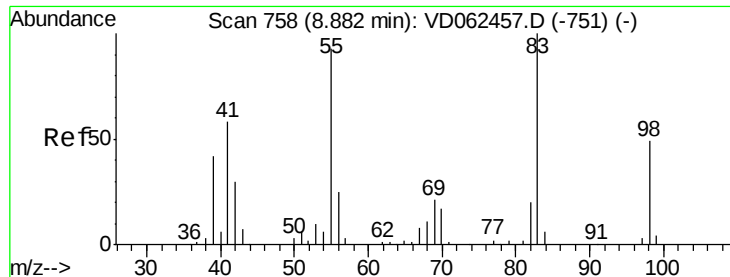
119 95.5 75.8 113.8

121 30.5 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

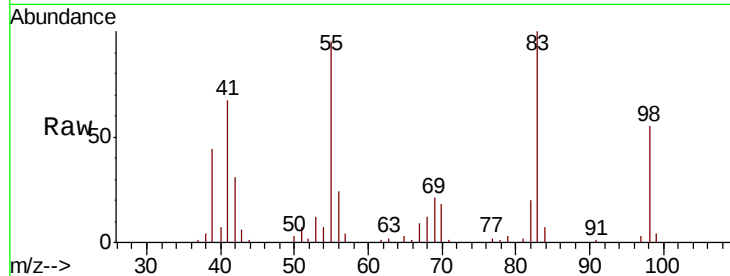




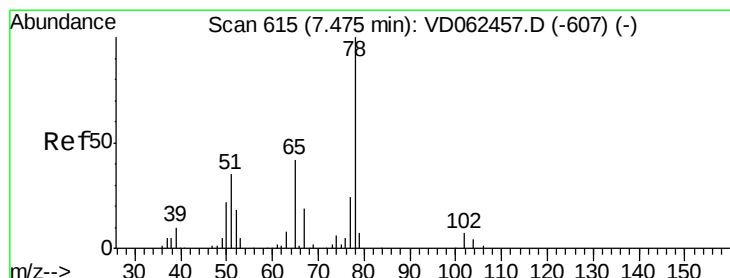
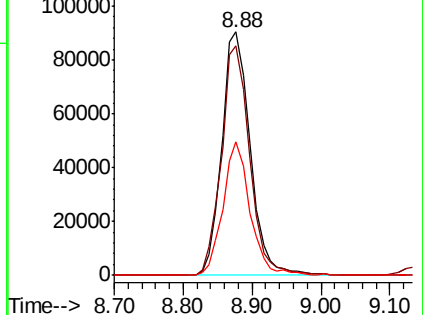
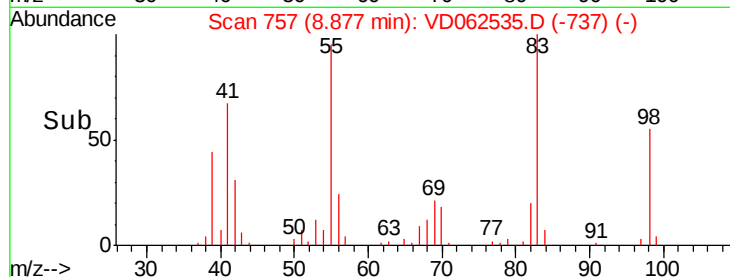
#39
Methvlcvclohexane
Concen: 53.190 ug/l
RT: 8.88 min Scan# 757
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 258601
Ion Ratio Lower Upper
83 100
55 94.5 68.2 102.4
98 54.7 38.2 57.4

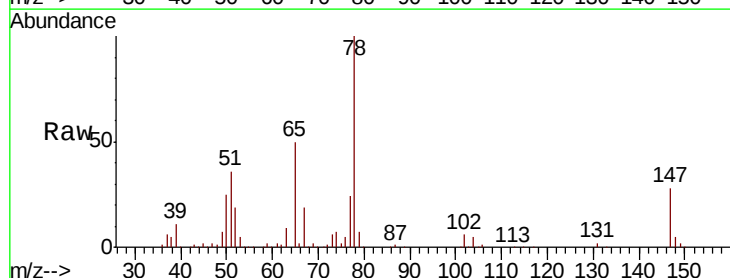


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

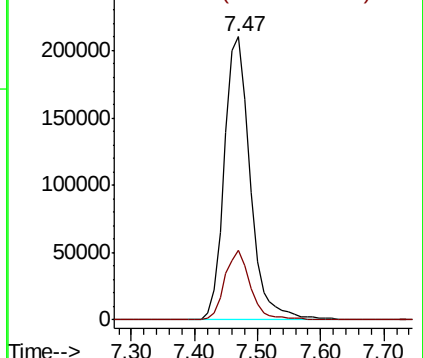
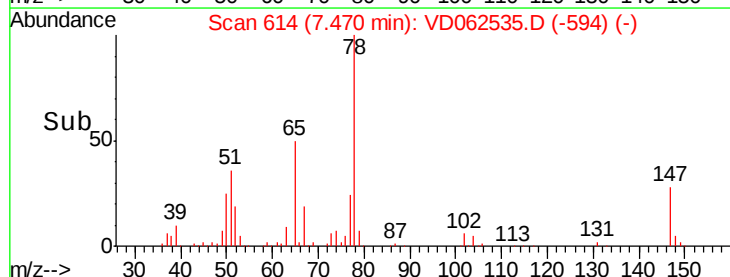


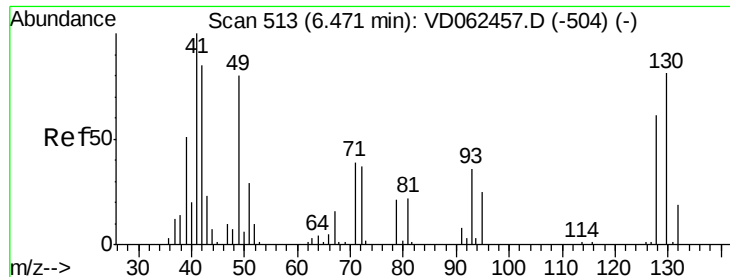
#40
Benzene
Concen: 51.771 ug/l
RT: 7.47 min Scan# 614
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 78 Resp: 598593
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 54.025 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 155377

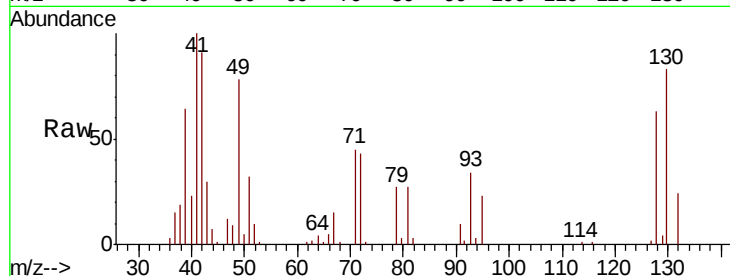
Ion Ratio Lower Upper

41 100

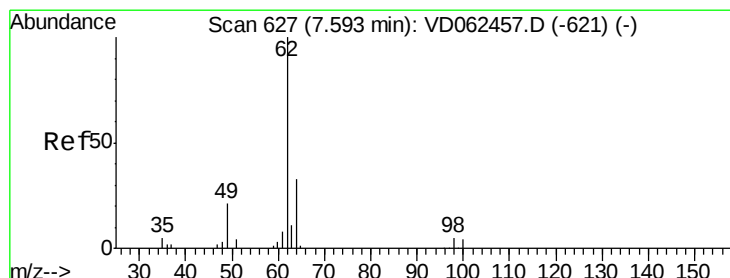
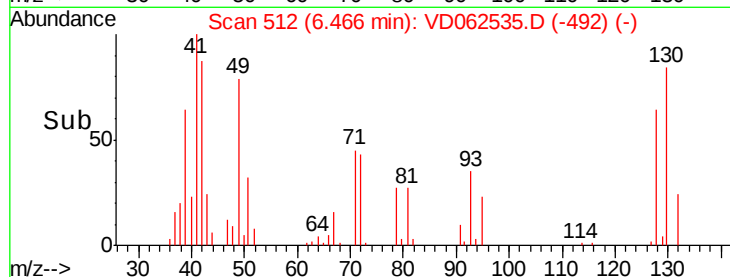
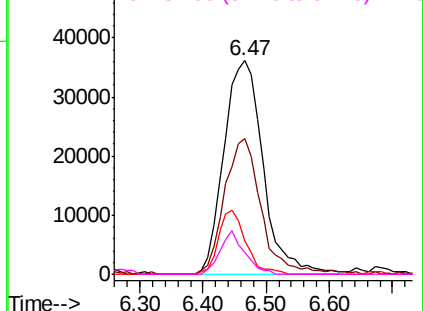
39 63.8 34.1 51.1#

67 15.5 23.8 35.6#

52 10.2 8.8 13.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.581 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.00 min

Lab File: VD062535.D

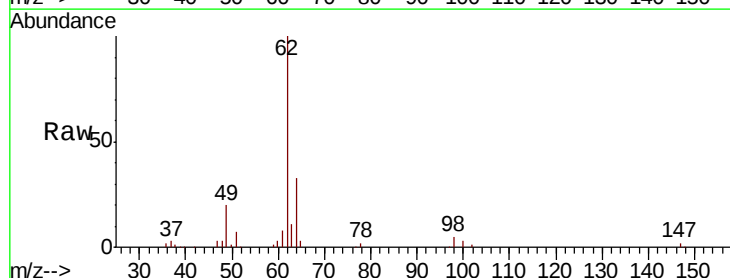
Acq: 28 May 2019 12:34

Tgt Ion: 62 Resp: 340303

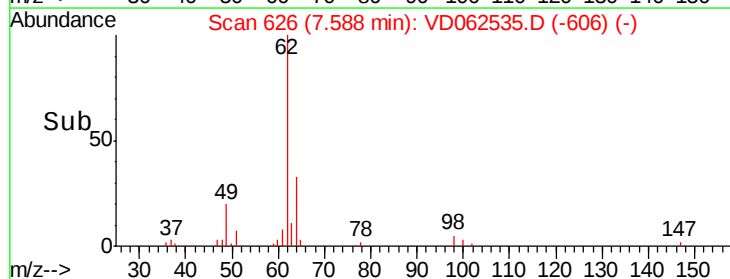
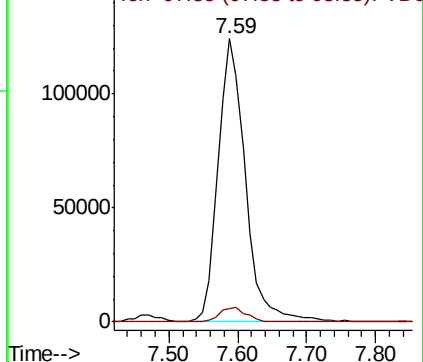
Ion Ratio Lower Upper

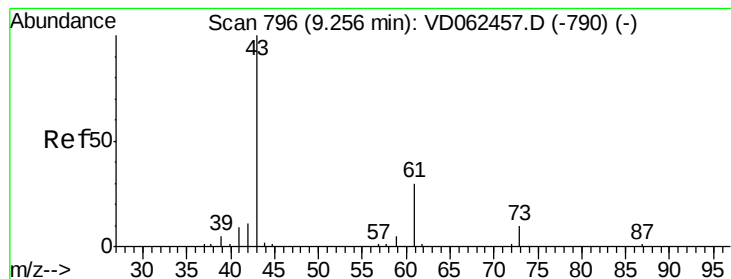
62 100

98 4.9 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



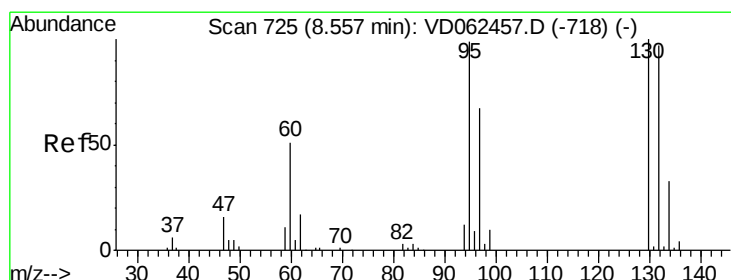
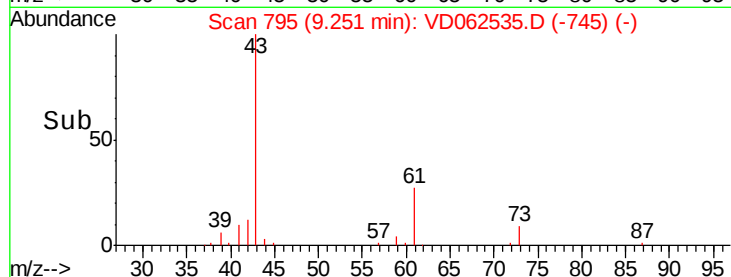
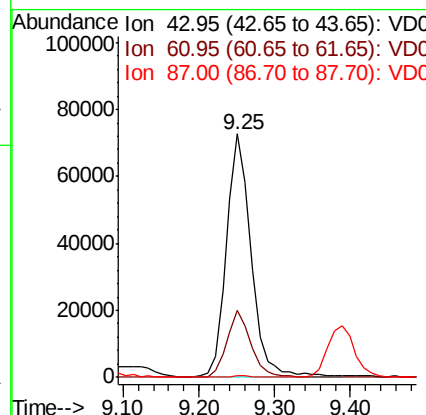
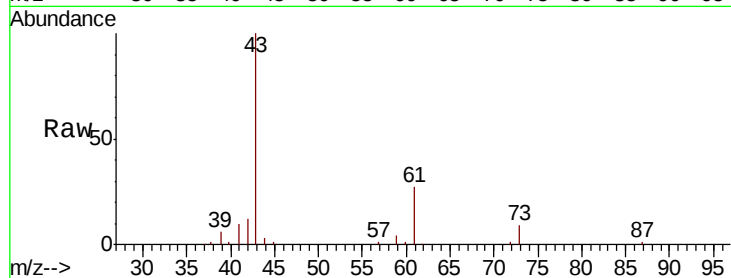


#43

Isopropyl Acetate
 Concen: 54.304 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

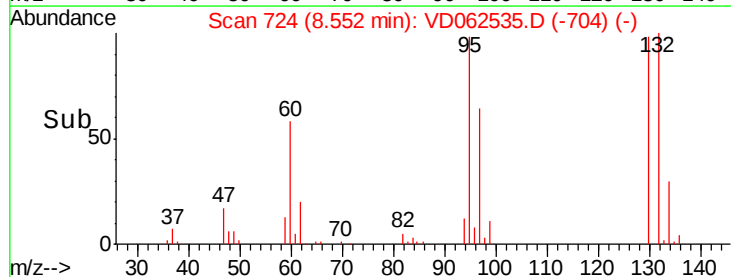
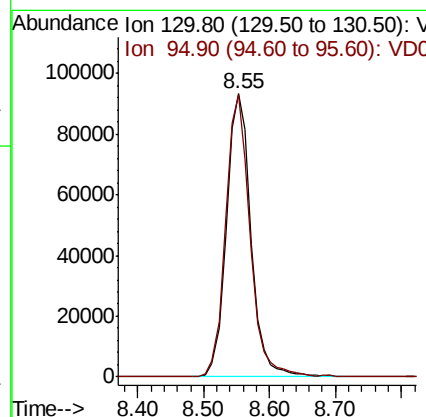
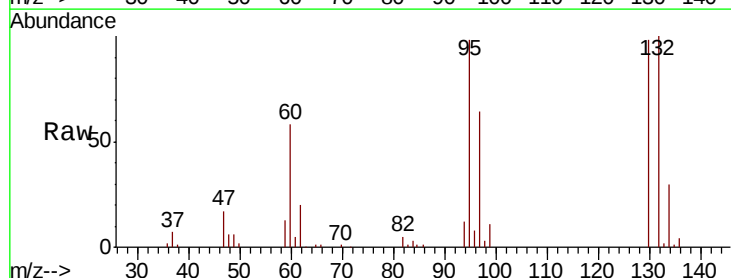
Tot Ion: 43 Resp: 164967
 Ion Ratio Lower Upper
 43 100
 61 27.4 25.1 37.7
 87 0.6 0.0 0.0#

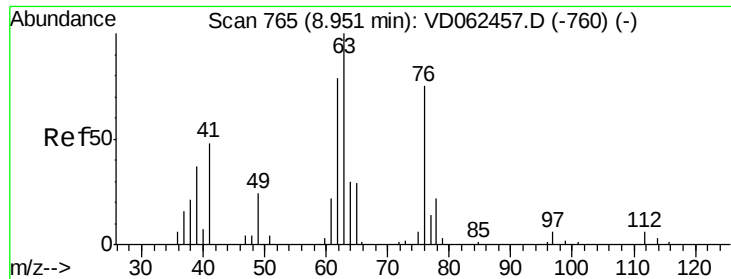


#44

Trichloroethene
 Concen: 52.196 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 130 Resp: 241639
 Ion Ratio Lower Upper
 130 100
 95 99.8 0.0 174.0





#45

1,2-Dichloropropane

Concen: 49.240 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

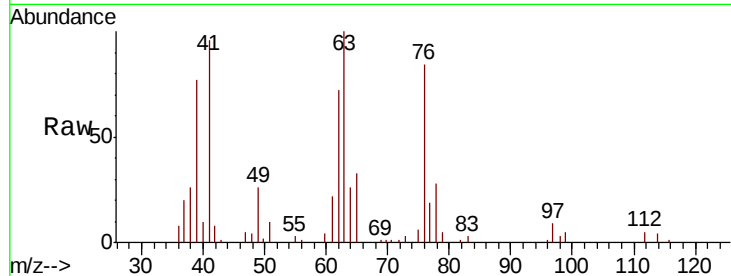
VSTDCCC050

Tot Ion: 63 Resp: 138745

Ion Ratio Lower Upper

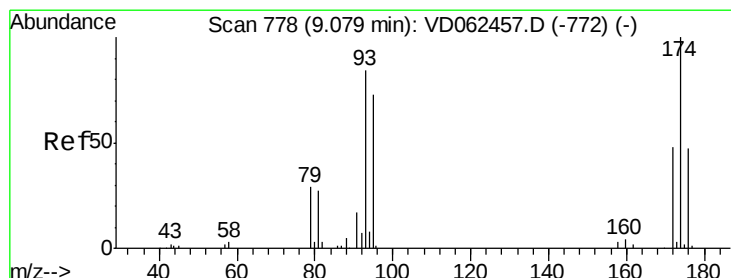
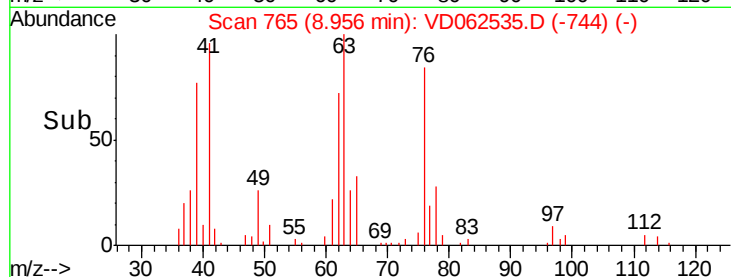
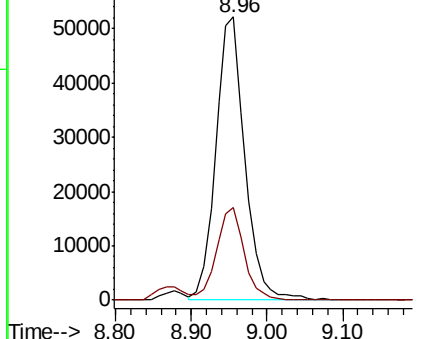
63 100

65 32.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.323 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

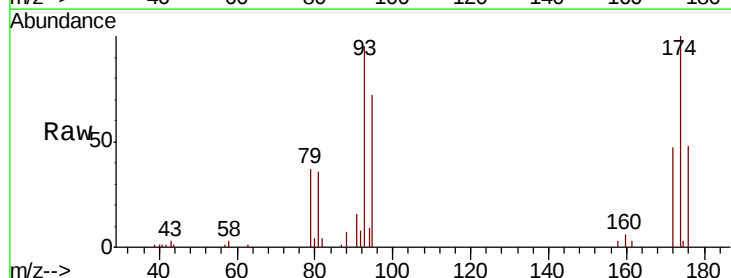
Tgt Ion: 93 Resp: 141304

Ion Ratio Lower Upper

93 100

95 75.1 64.8 97.2

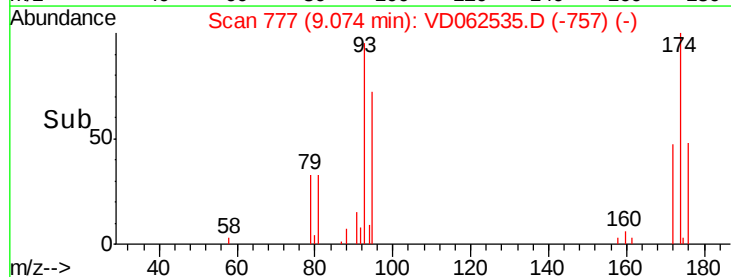
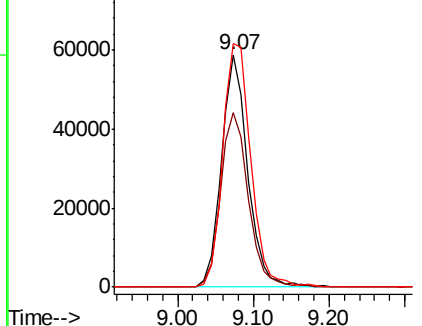
174 104.7 79.3 118.9

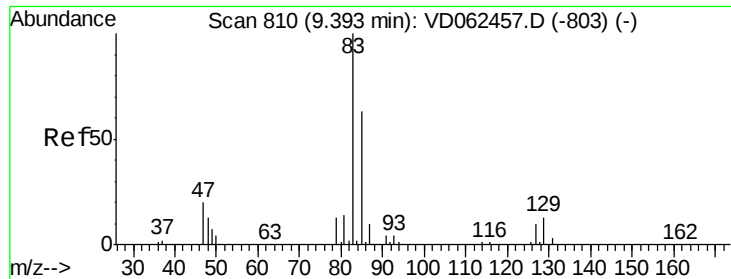


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.777 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

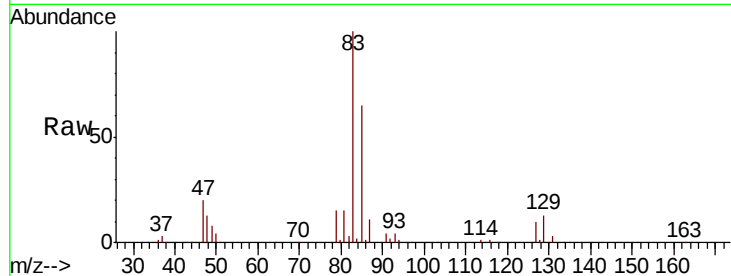
Tot Ion: 83 Resp: 355917

Ion Ratio Lower Upper

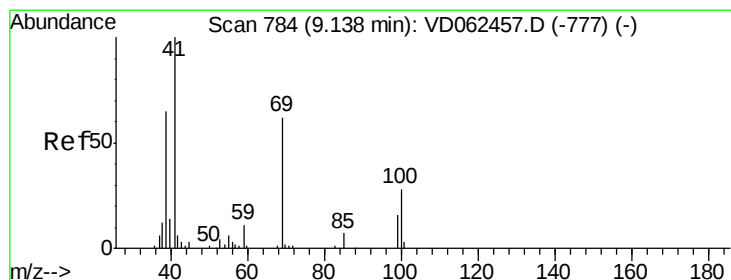
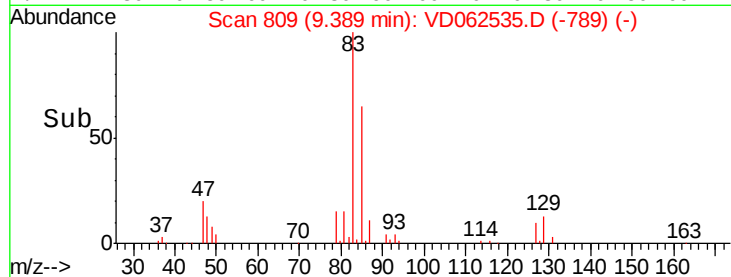
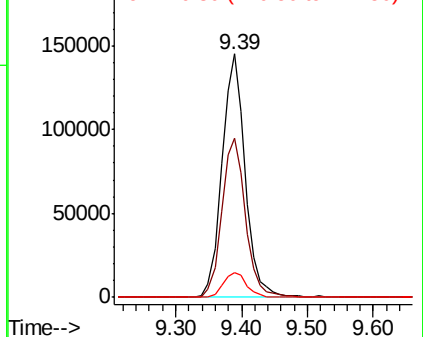
83 100

85 65.2 50.9 76.3

127 10.1 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.581 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

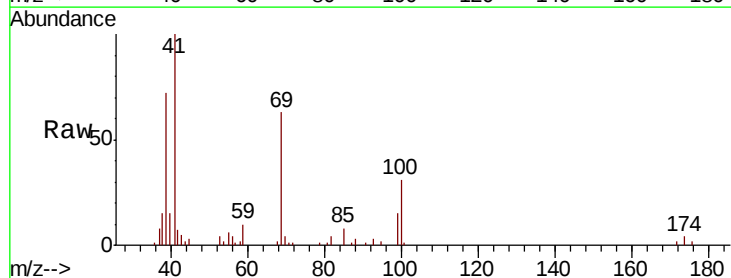
Tgt Ion: 41 Resp: 113626

Ion Ratio Lower Upper

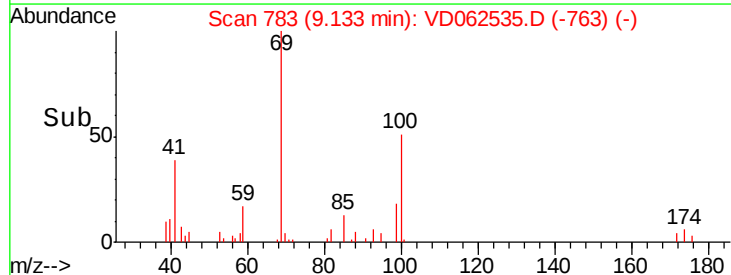
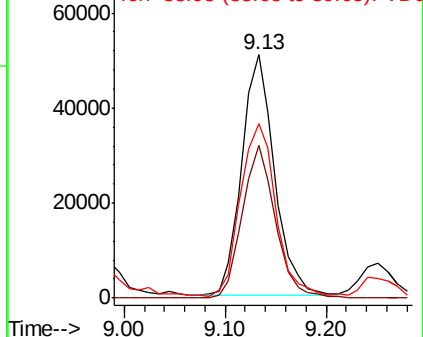
41 100

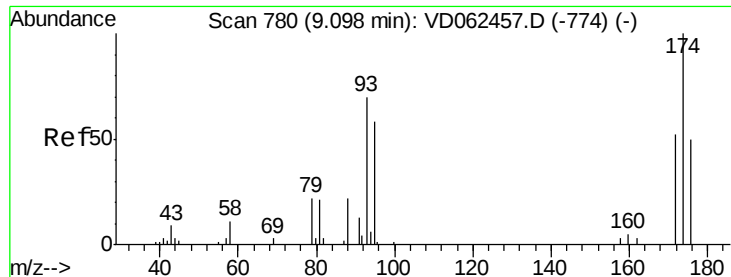
69 62.5 64.2 96.2#

39 71.9 46.8 70.2#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

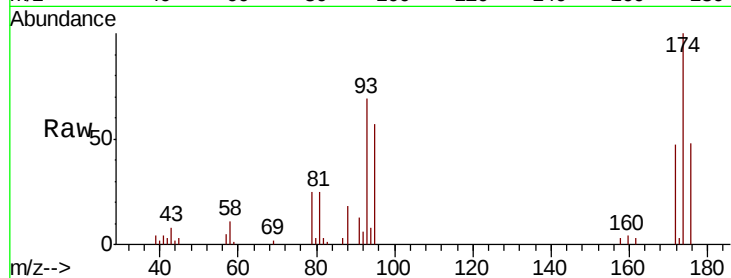




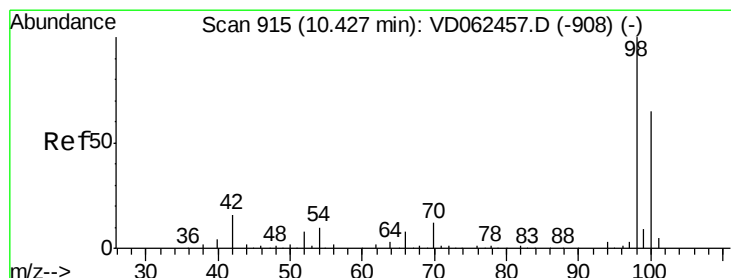
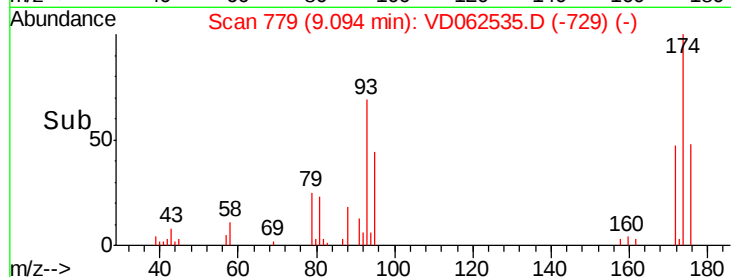
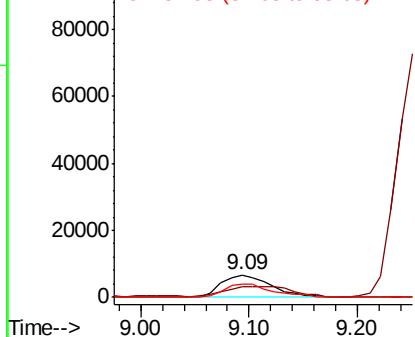
#49
1,4-Dioxane
Concen: 1169.936 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 21453
Ion Ratio Lower Upper
88 100
43 46.0 23.4 35.0#
58 61.2 44.0 66.0

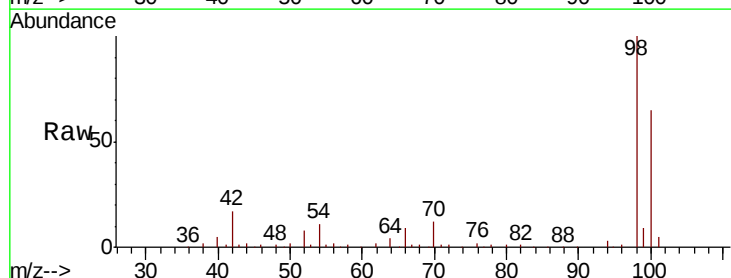


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

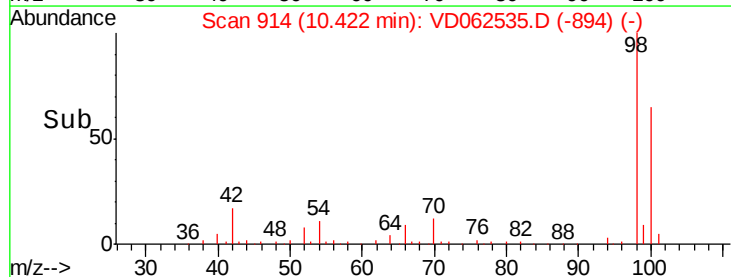
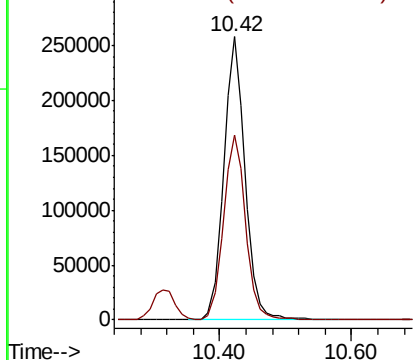


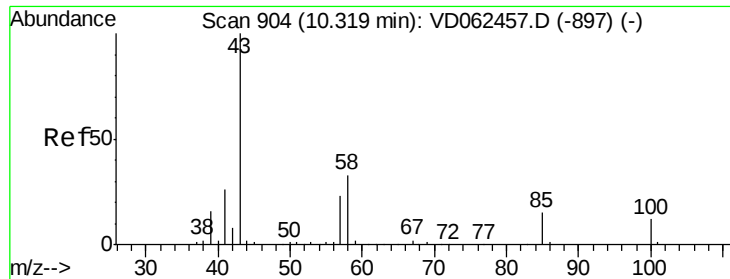
#50
Toluene-d8
Concen: 47.765 ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 98 Resp: 581383
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 279.971 ug/l

RT: 10.31 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

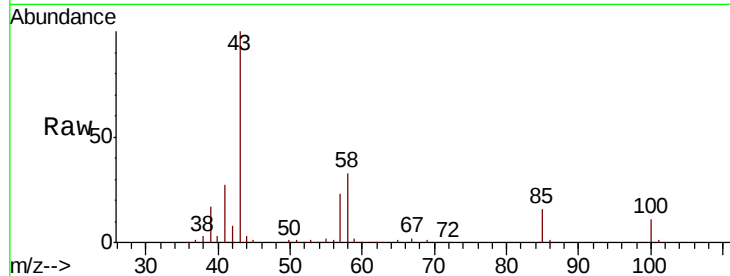
VSTDCCC050

Tot Ion: 43 Resp: 561865

Ion Ratio Lower Upper

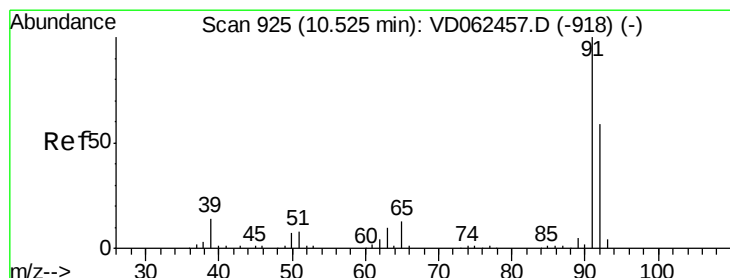
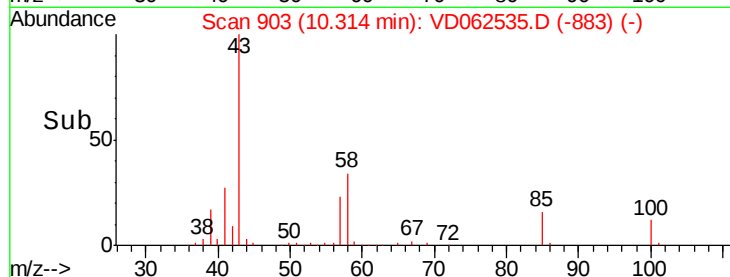
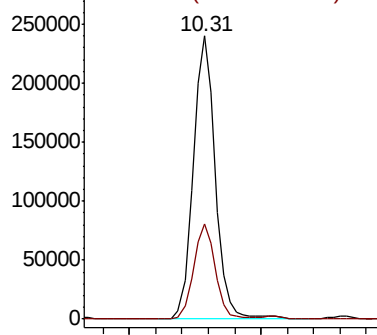
43 100

58 33.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.286 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD062535.D

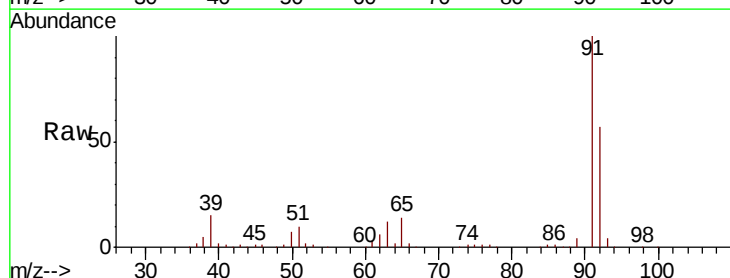
Acq: 28 May 2019 12:34

Tgt Ion: 92 Resp: 421781

Ion Ratio Lower Upper

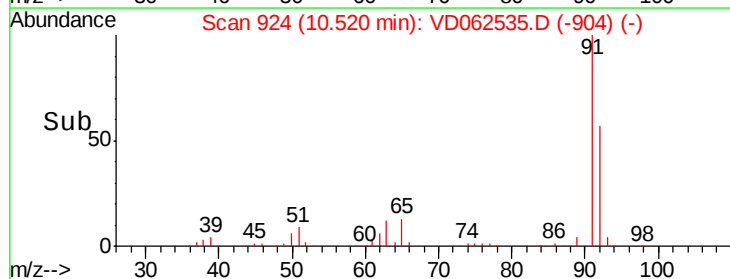
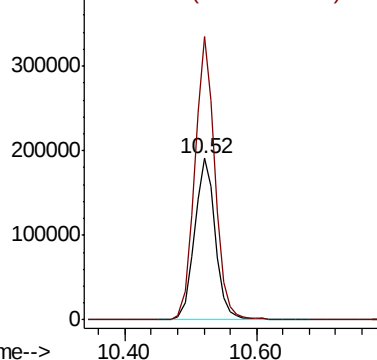
92 100

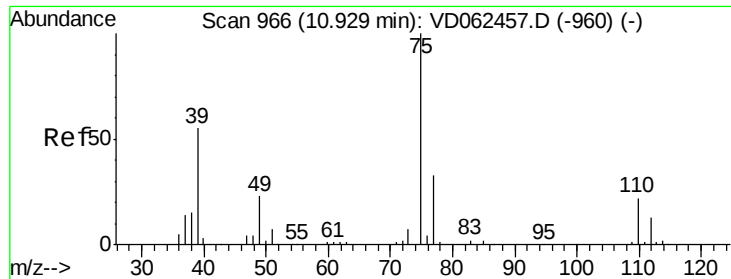
91 175.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

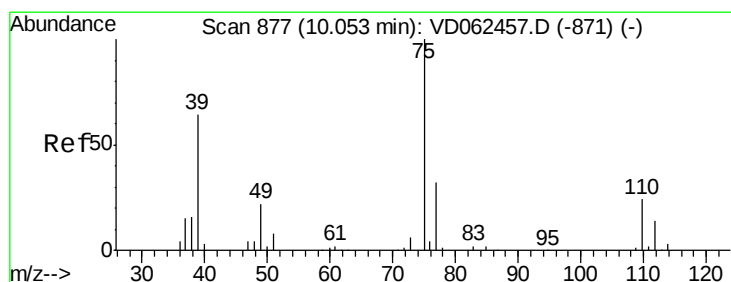
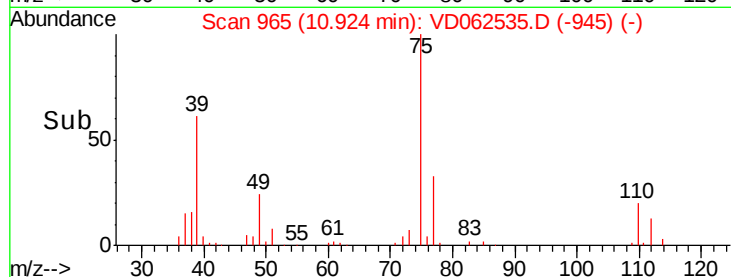
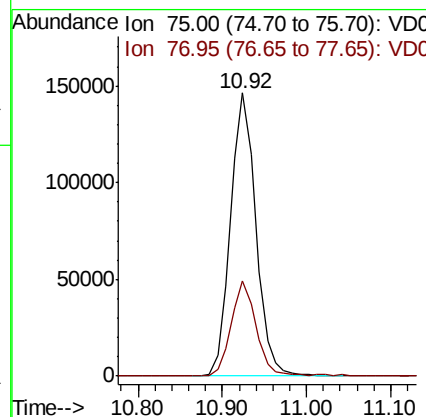
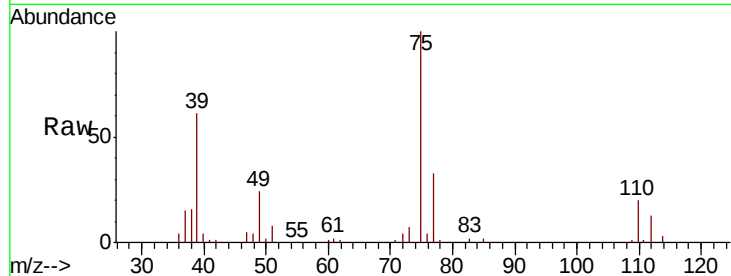




#53
 t-1,3-Dichloropropene
 Concen: 56.696 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

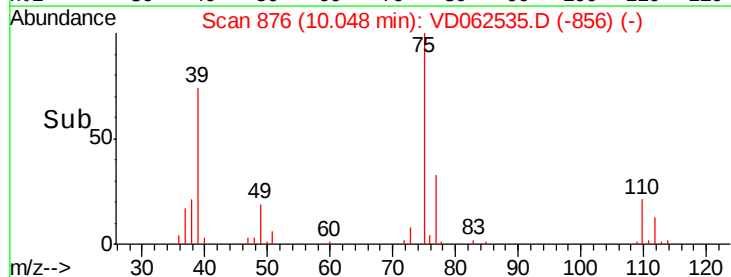
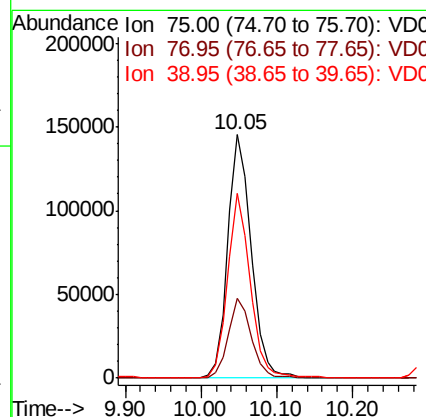
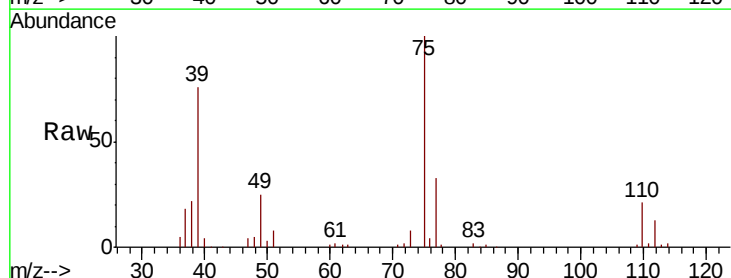
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

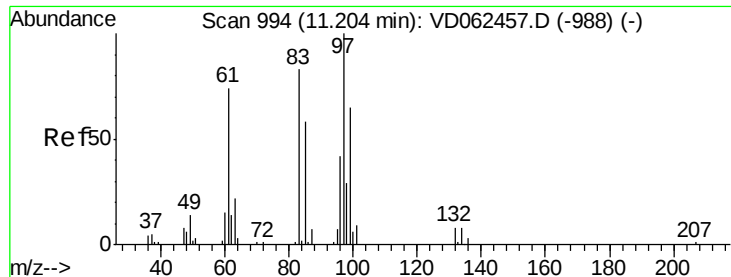
Tot Ion: 75 Resp: 306699
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.461 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 75 Resp: 313053
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3
 39 76.1 39.4 59.2#

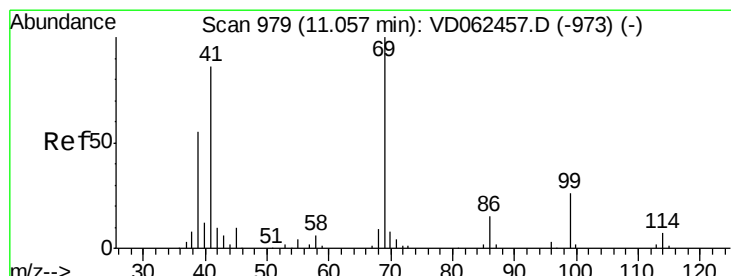
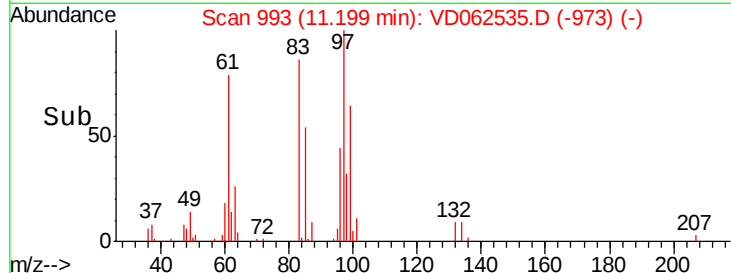
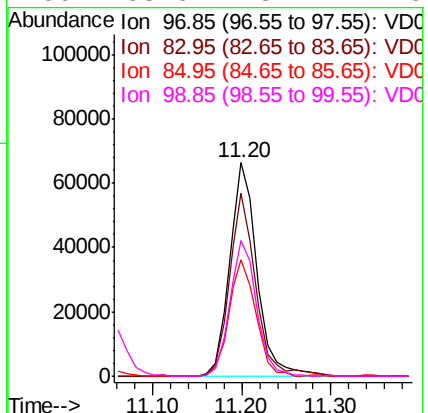
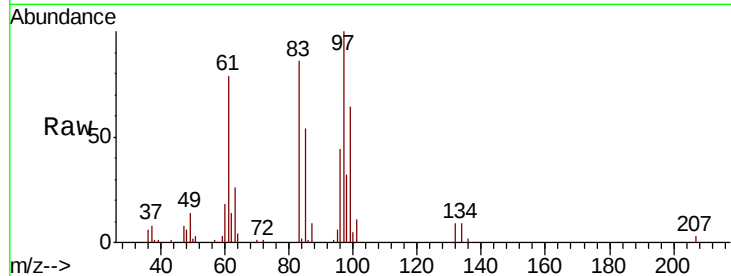




#55
 1,1,2-Trichloroethane
 Concen: 53.210 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

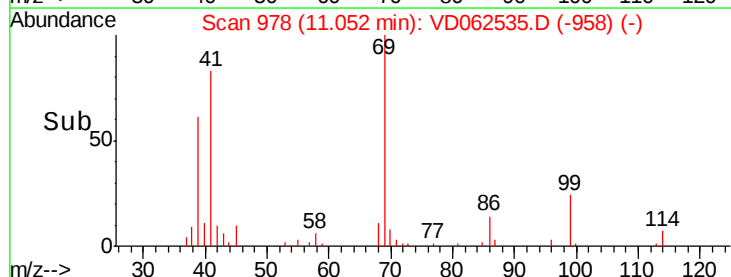
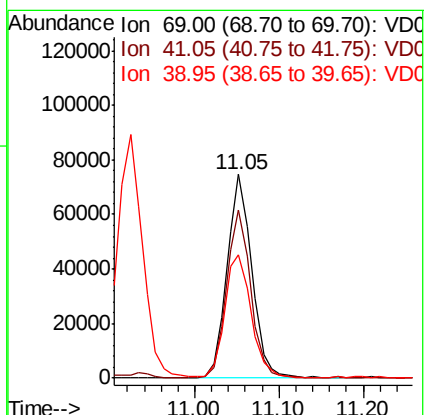
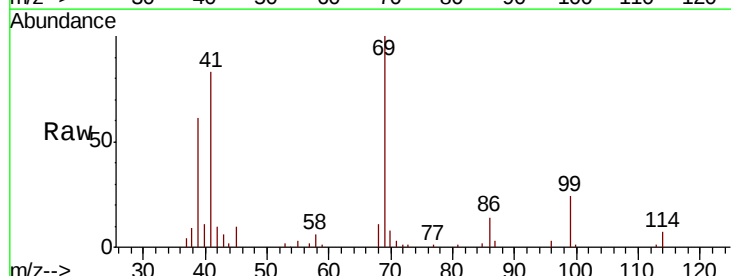
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

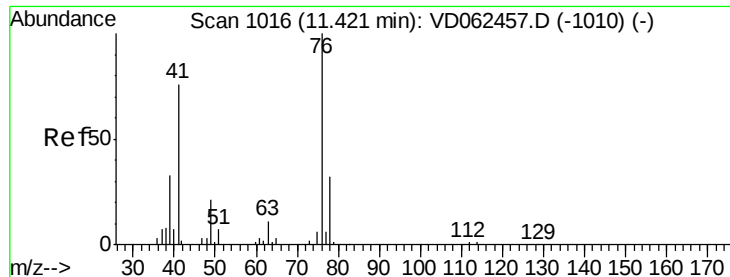
Tot Ion: 97 Resp: 142746
 Ion Ratio Lower Upper
 97 100
 83 87.4 65.7 98.5
 85 54.5 45.6 68.4
 99 63.6 48.4 72.6



#56
 Ethyl methacrylate
 Concen: 53.097 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 69 Resp: 152273
 Ion Ratio Lower Upper
 69 100
 41 82.8 56.3 84.5
 39 60.7 29.4 44.2#





#57

1,3-Dichloropropane

Concen: 53.023 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

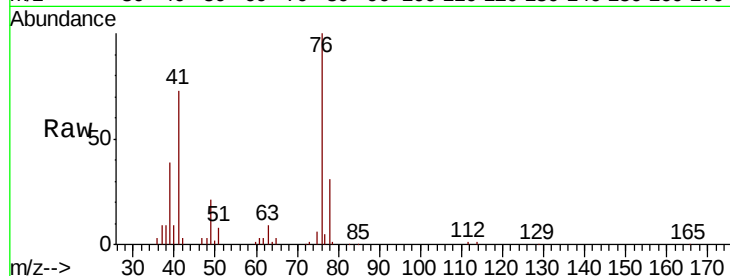
VSTDCCC050

Tot Ion: 76 Resp: 218144

Ion Ratio Lower Upper

76 100

78 31.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

120000

100000

80000

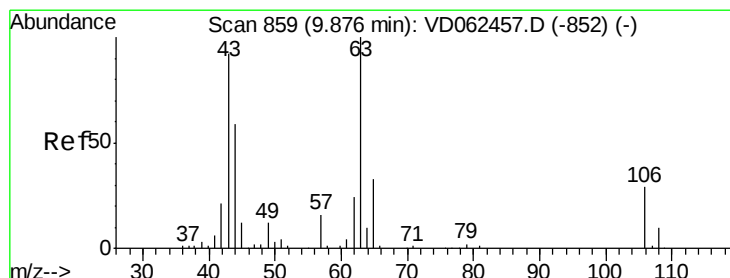
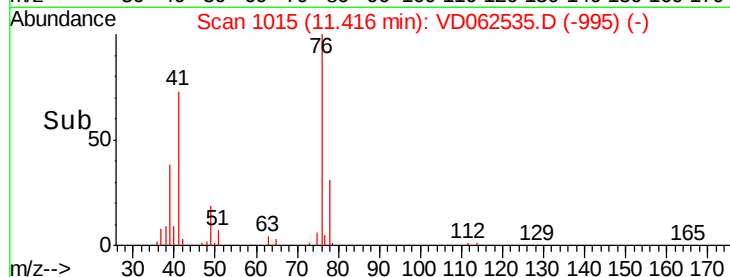
60000

40000

20000

0

Time--> 11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 247.679 ug/l

RT: 9.87 min Scan# 858

Delta R.T. -0.00 min

Lab File: VD062535.D

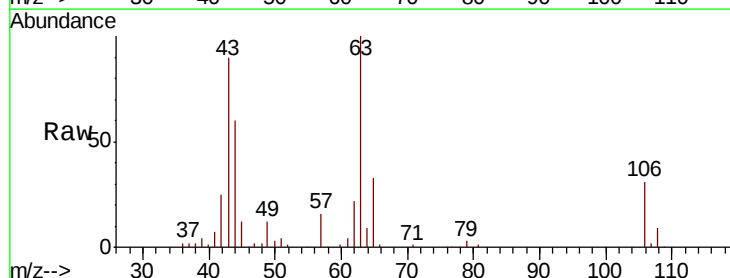
Acq: 28 May 2019 12:34

Tgt Ion: 63 Resp: 364735

Ion Ratio Lower Upper

63 100

106 30.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

200000

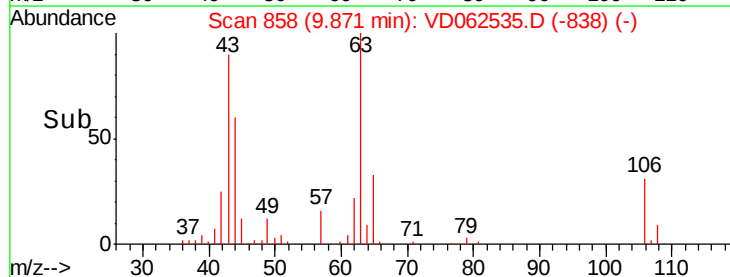
150000

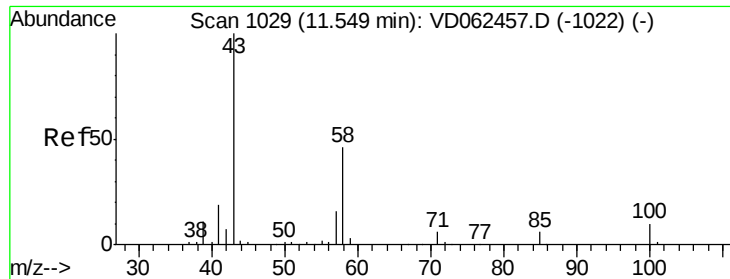
100000

50000

0

Time--> 9.70 9.80 9.90 10.00

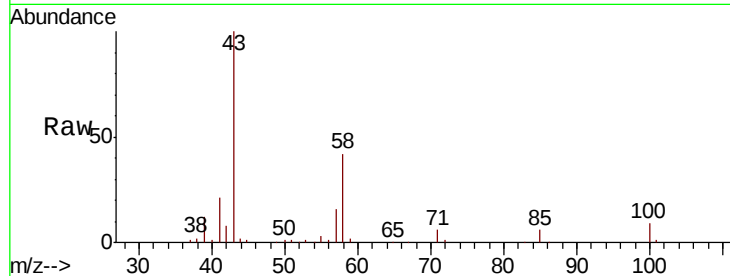




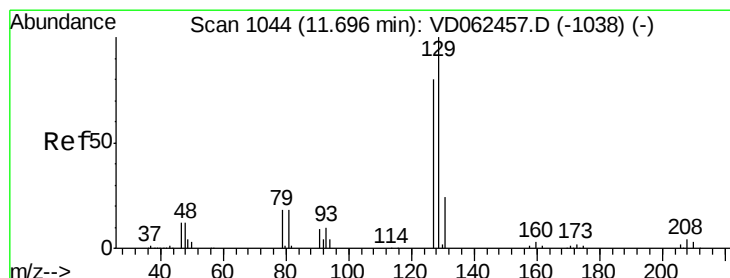
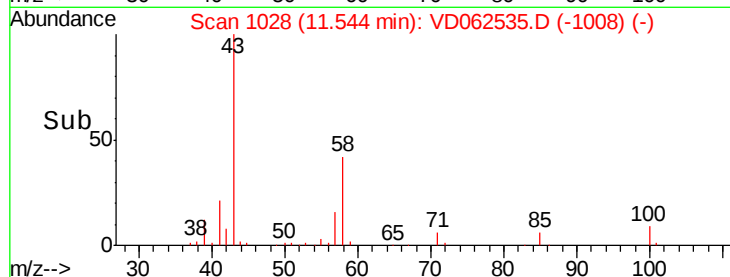
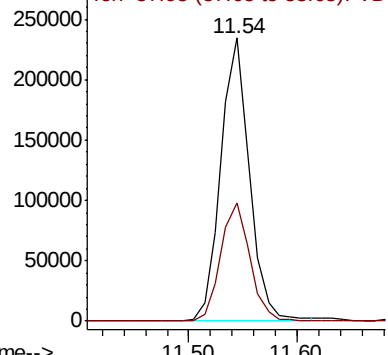
#59
2-Hexanone
Concen: 295.365 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 430805
Ion Ratio Lower Upper
43 100
58 41.8 25.4 76.4

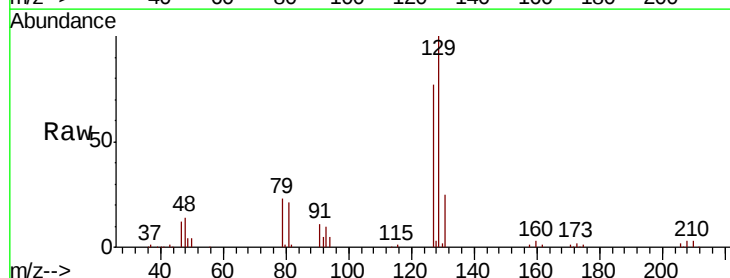


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

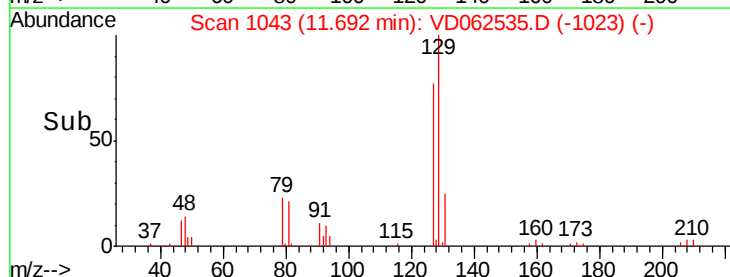
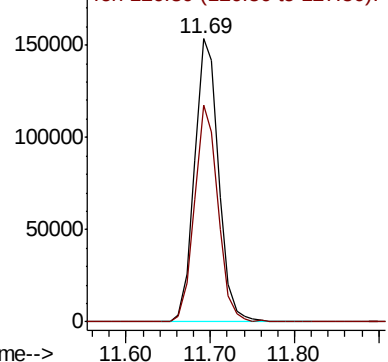


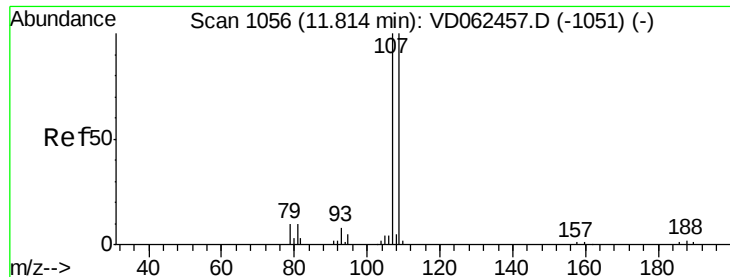
#60
Dibromochloromethane
Concen: 58.918 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:129 Resp: 303583
Ion Ratio Lower Upper
129 100
127 76.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

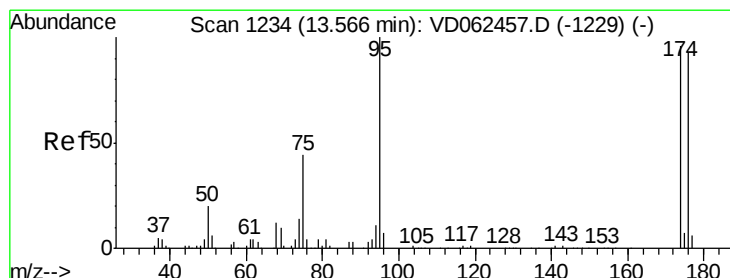
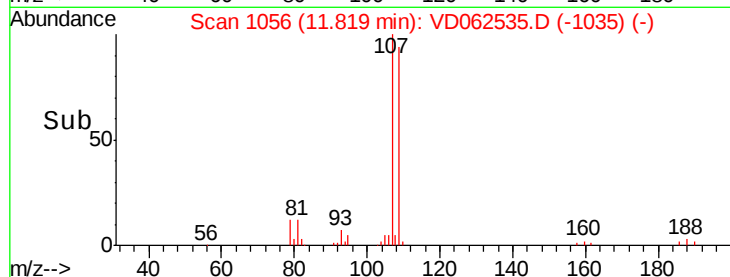
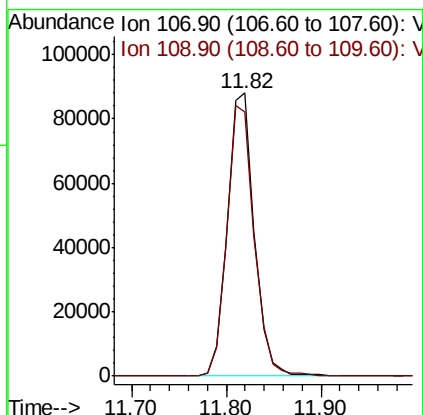
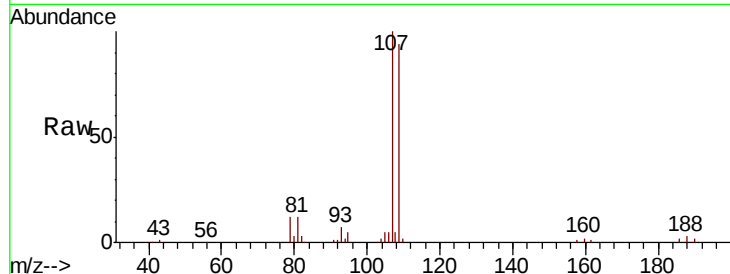




#61
 1,2-Dibromoethane
 Concen: 51.921 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

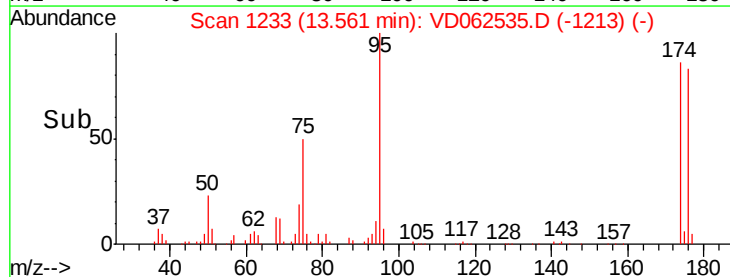
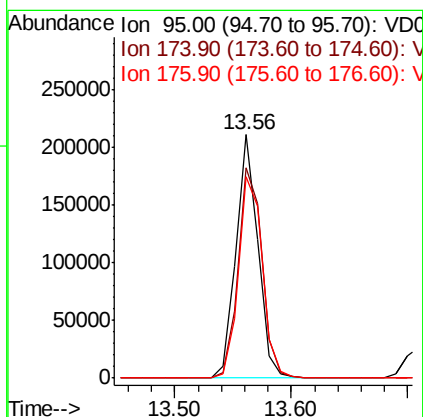
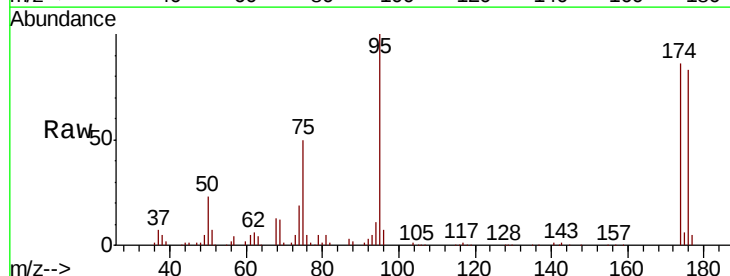
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

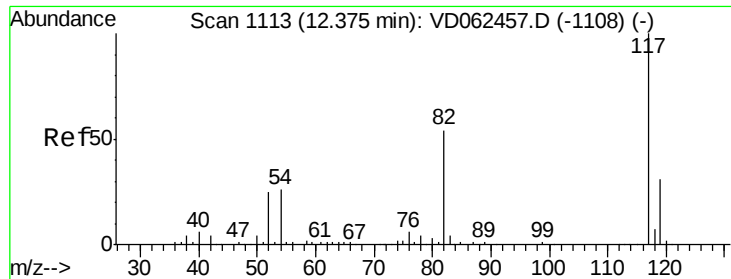
Tot Ion:107 Resp: 171653
 Ion Ratio Lower Upper
 107 100
 109 93.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 51.754 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion: 95 Resp: 275557
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 181.8
 176 82.7 0.0 174.4

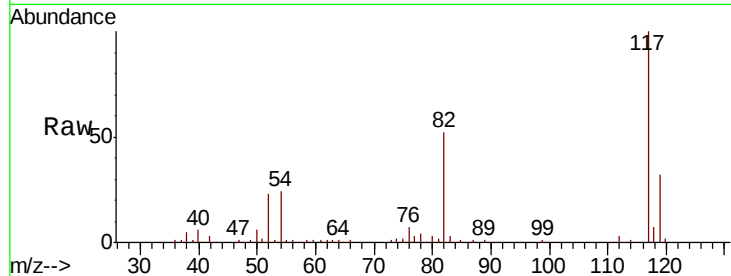




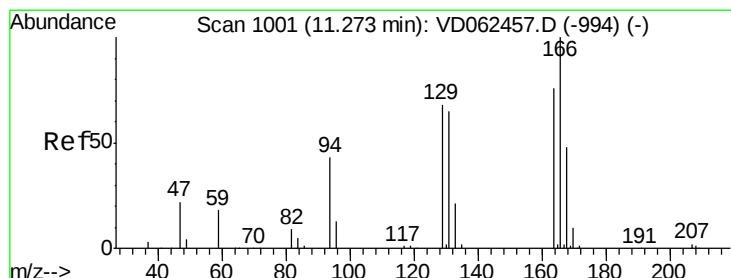
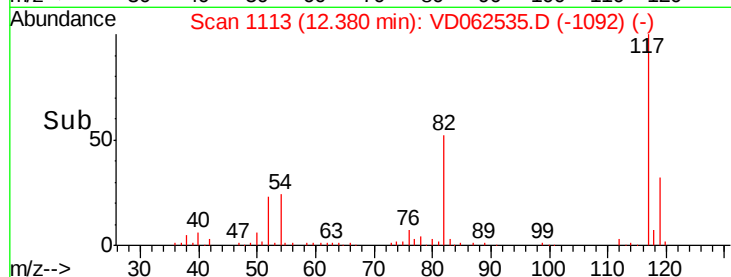
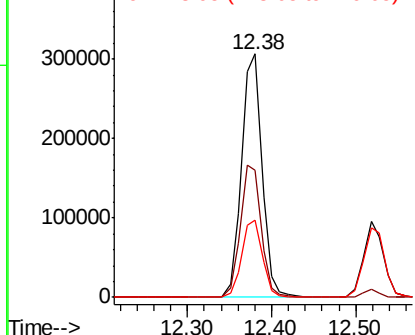
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 520391
Ion Ratio Lower Upper
117 100
82 52.2 36.2 54.2
119 32.0 26.2 39.4

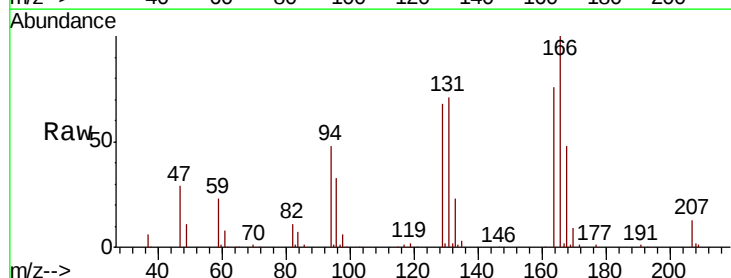


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

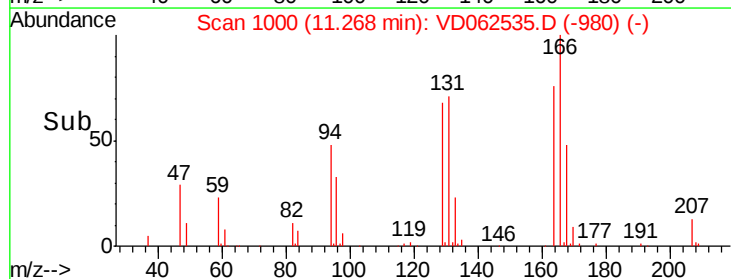
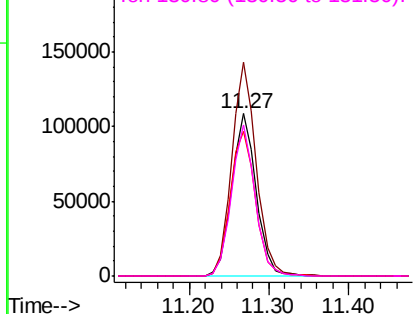


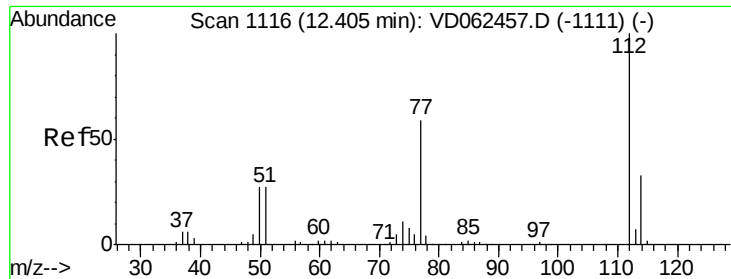
#64
Tetrachloroethene
Concen: 53.616 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:164 Resp: 233618
Ion Ratio Lower Upper
164 100
166 131.9 101.5 152.3
129 89.0 74.6 112.0
131 93.1 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

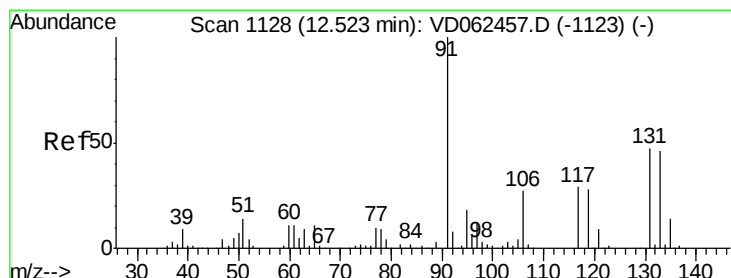
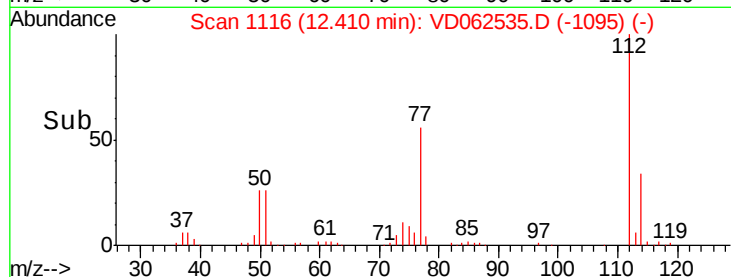
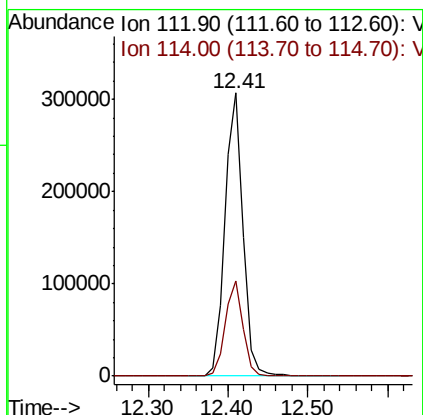
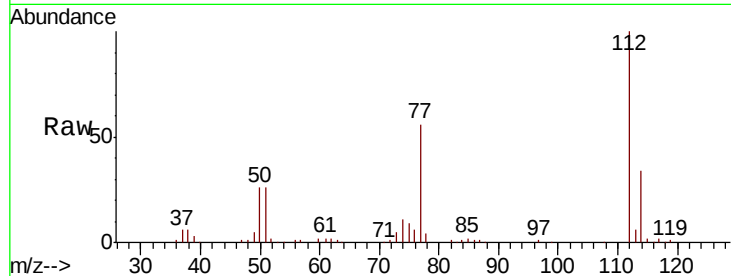




#65
Chlorobenzene
Concen: 48.953 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

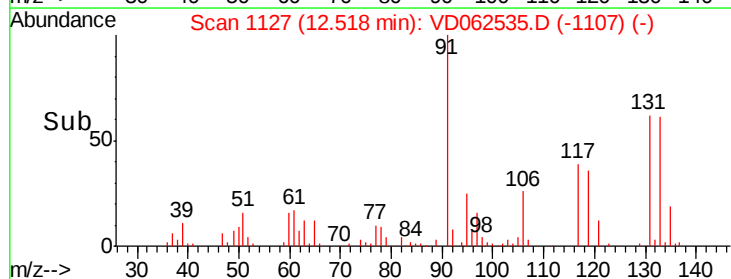
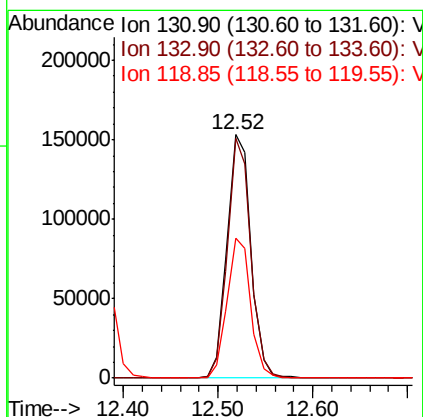
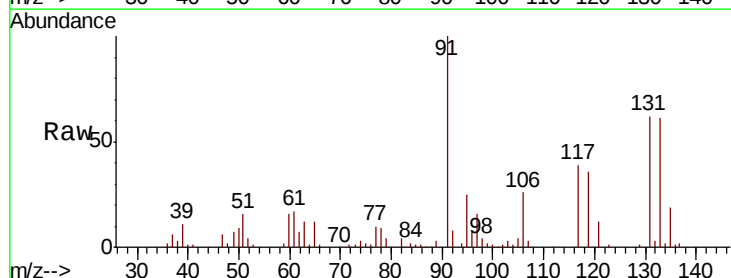
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

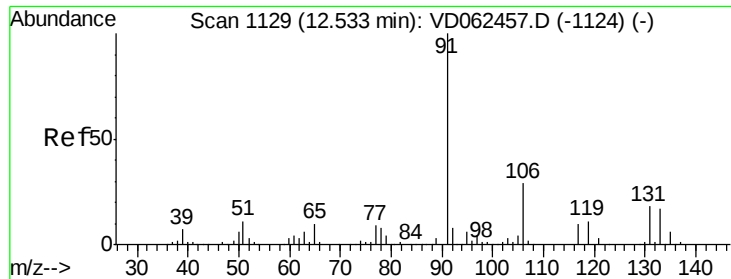
Tot Ion:112 Resp: 489895
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.959 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:131 Resp: 267737
Ion Ratio Lower Upper
131 100
133 98.7 48.6 145.8
119 57.6 34.7 104.1

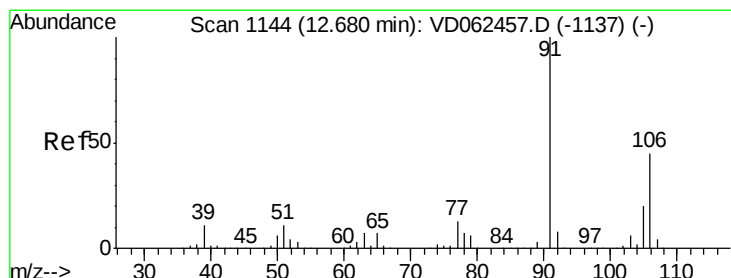
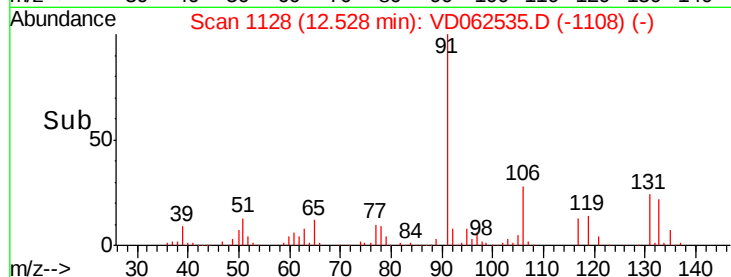
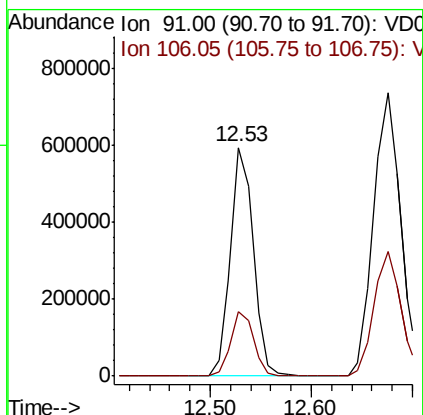
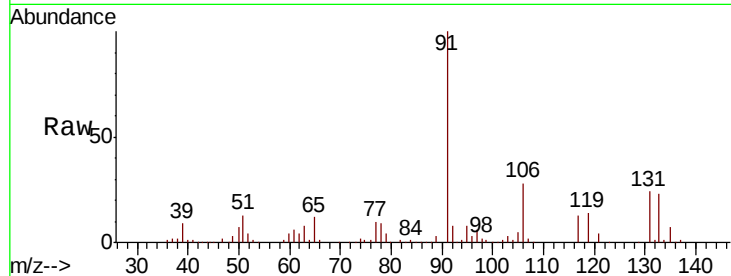




#67
Ethyl Benzene
Concen: 54.452 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

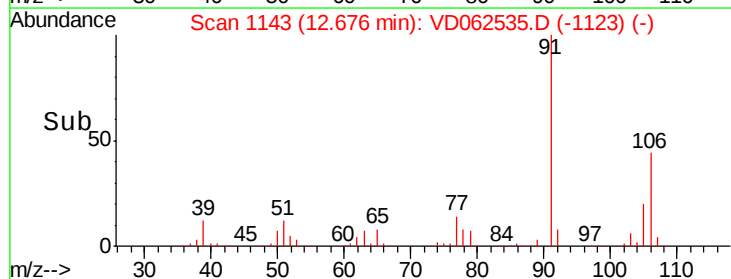
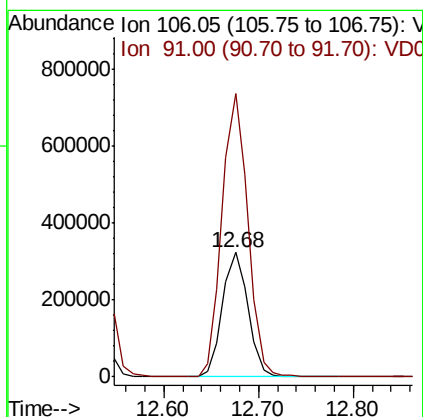
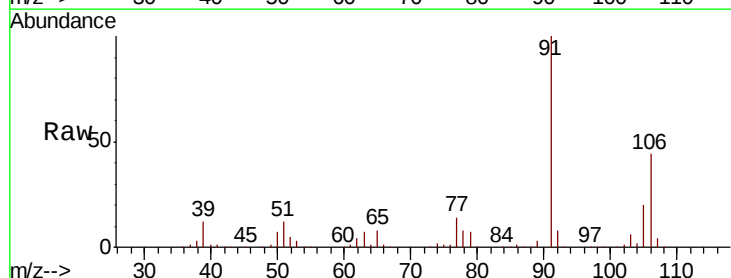
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

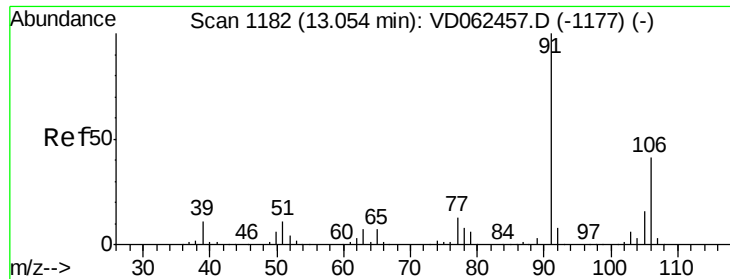
Tot Ion: 91 Resp: 938595
Ion Ratio Lower Upper
91 100
106 28.1 24.7 37.1



#68
m/p-Xylenes
Concen: 98.010 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:106 Resp: 606427
Ion Ratio Lower Upper
106 100
91 227.7 164.0 246.0

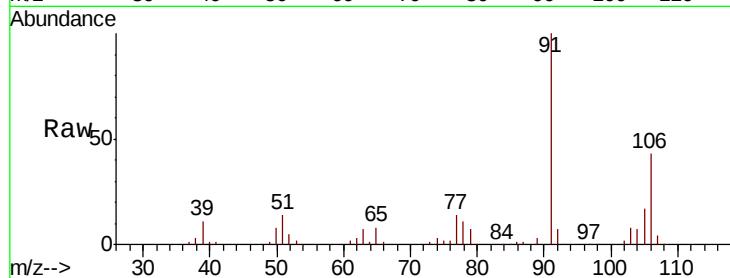




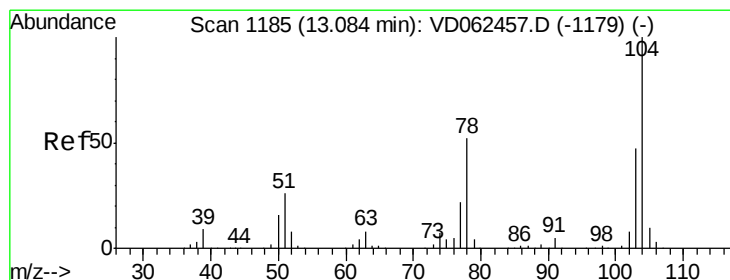
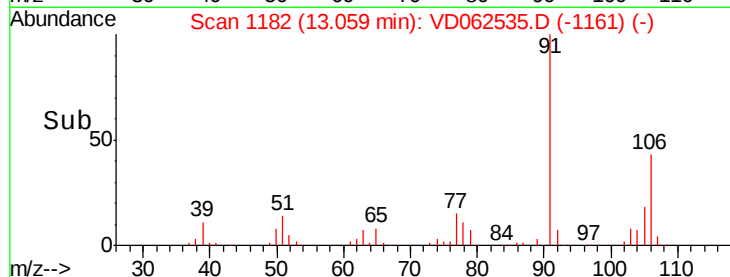
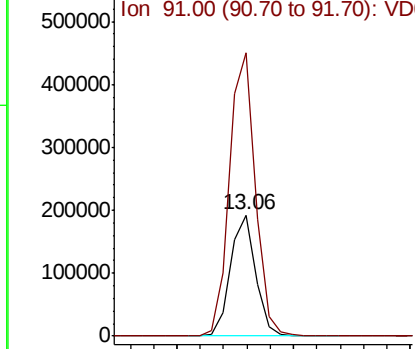
#69
o-Xylene
Concen: 49.728 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 290313
Ion Ratio Lower Upper
106 100
91 233.7 106.7 319.9

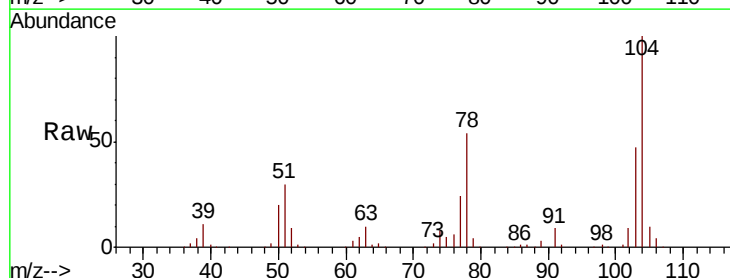


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

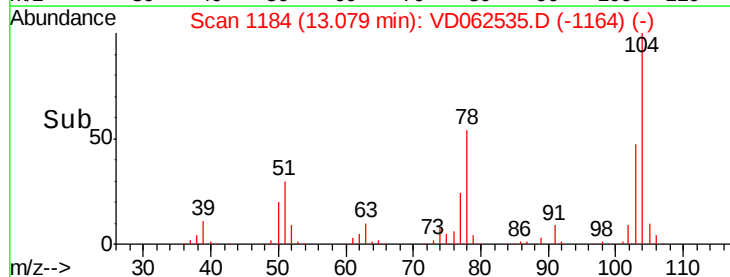
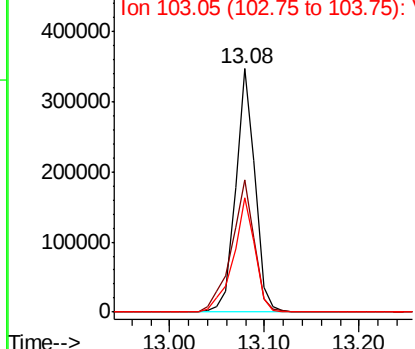


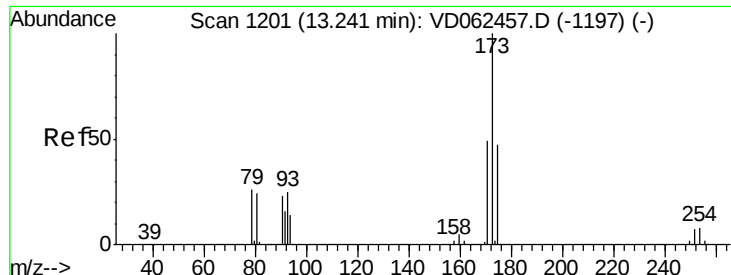
#70
Styrene
Concen: 49.405 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:104 Resp: 490667
Ion Ratio Lower Upper
104 100
78 54.4 35.4 53.2#
103 47.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 59.576 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

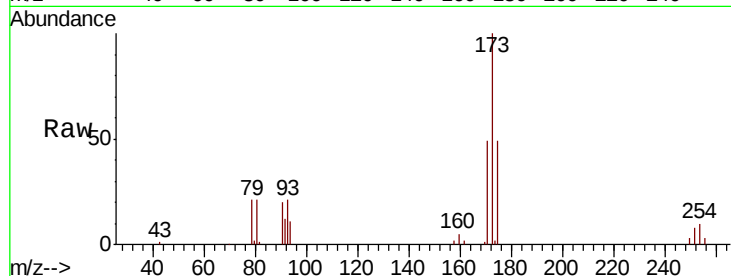
Tot Ion:173 Resp: 182769

Ion Ratio Lower Upper

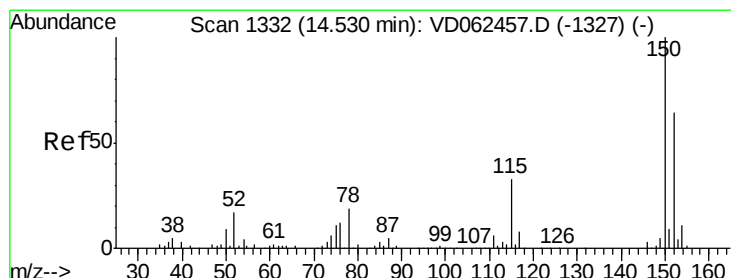
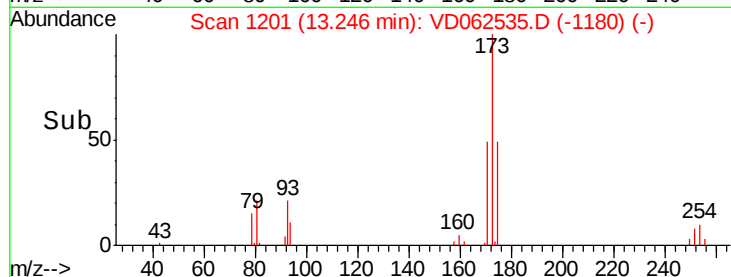
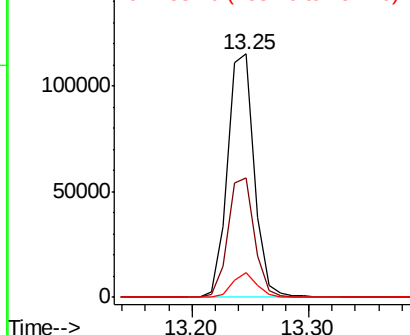
173 100

175 49.0 24.4 73.4

254 10.2 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

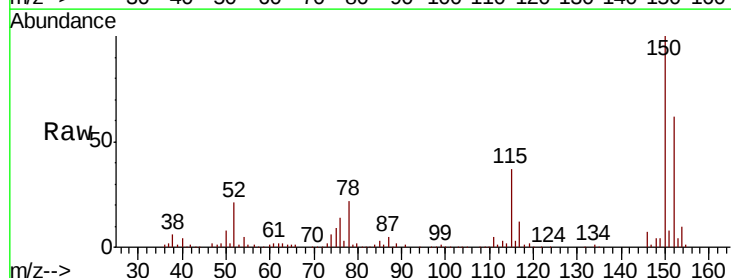
Tgt Ion:152 Resp: 283139

Ion Ratio Lower Upper

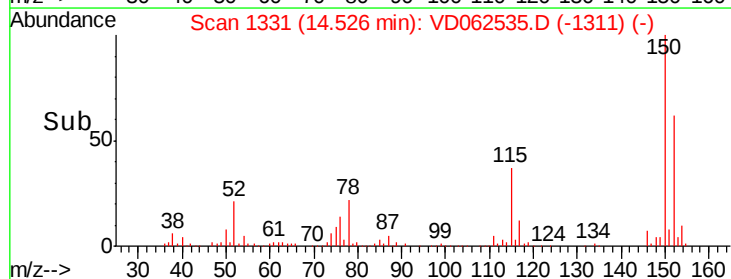
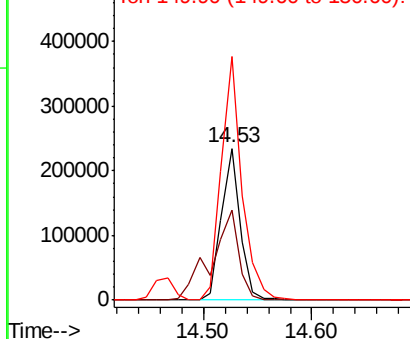
152 100

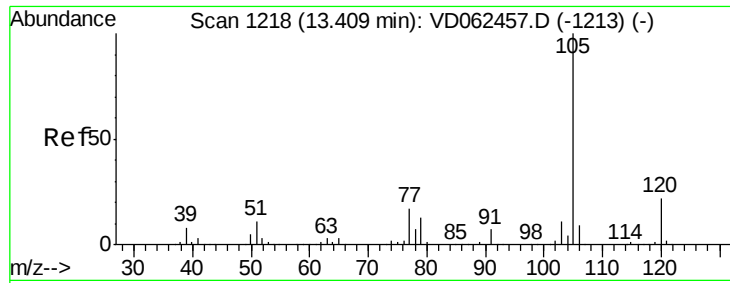
115 59.2 30.9 92.7

150 160.1 0.0 314.8



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: 49.244 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

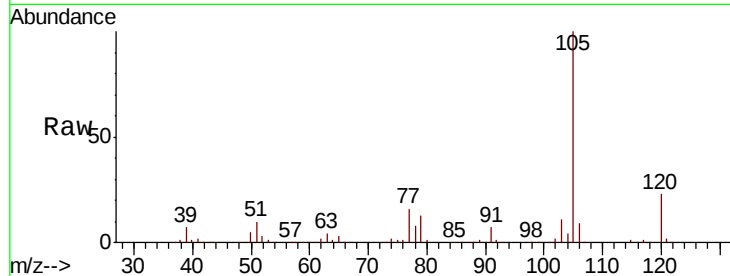
VSTDCCC050

Tot Ion:105 Resp: 878879

Ion Ratio Lower Upper

105 100

120 22.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

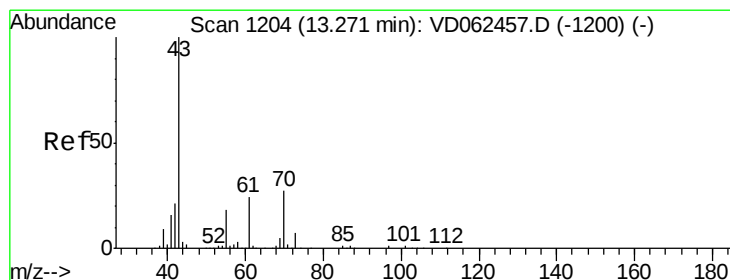
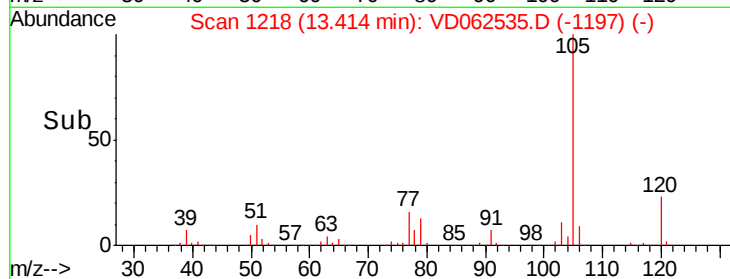
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 55.287 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Tgt Ion: 43 Resp: 243703

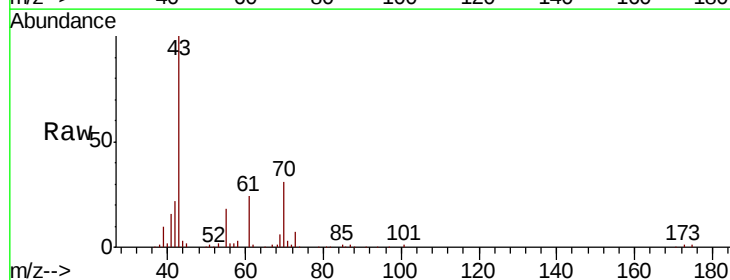
Ion Ratio Lower Upper

43 100

70 31.3 24.2 36.4

55 18.0 16.0 24.0

61 23.5 21.6 32.4



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

250000

200000

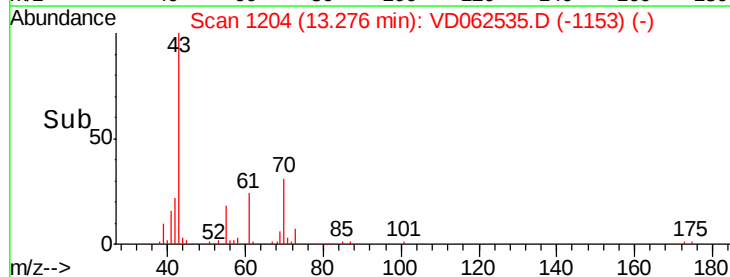
150000

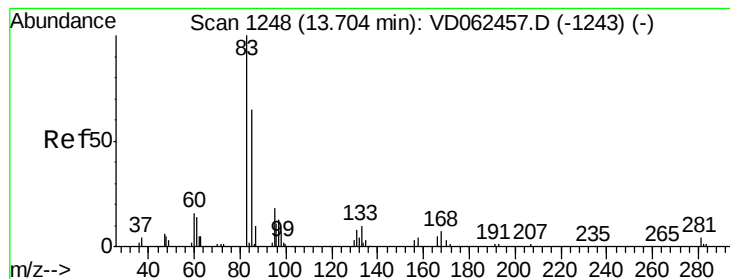
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 49.510 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

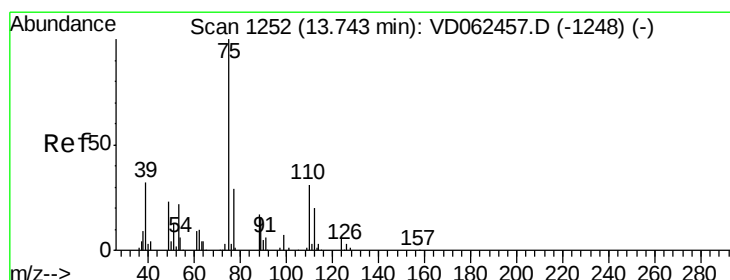
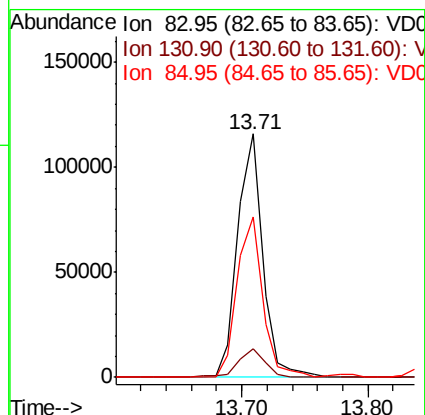
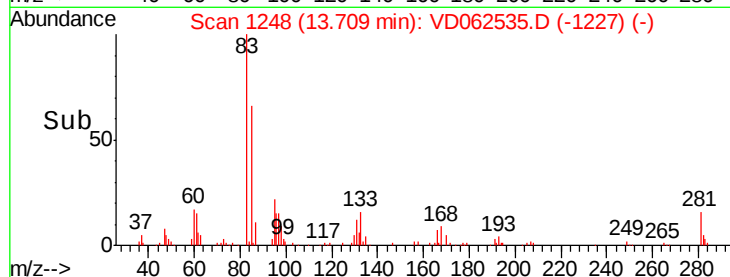
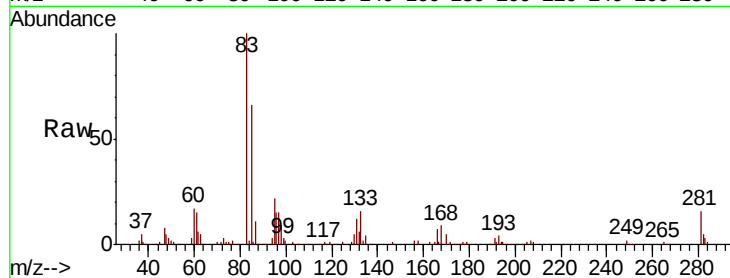
Tot Ion: 83 Resp: 159412

Ion Ratio Lower Upper

83 100

131 11.7 5.0 14.9

85 66.0 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 54.294 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD062535.D

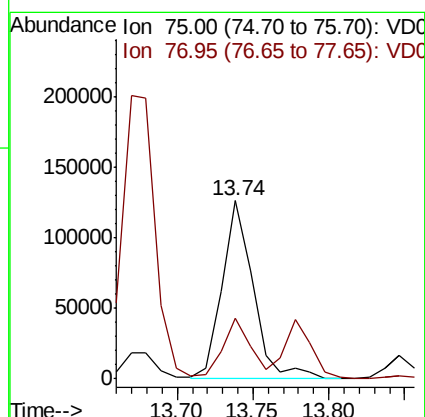
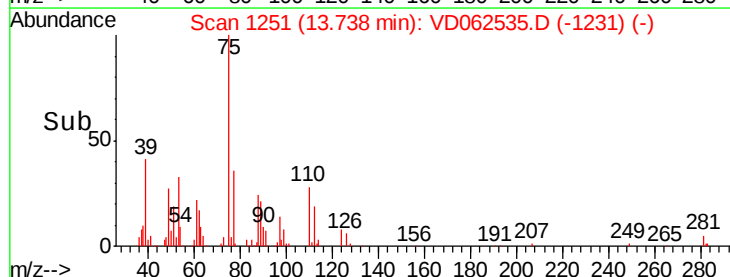
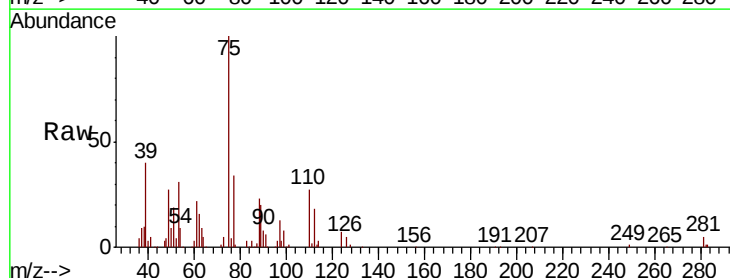
Acq: 28 May 2019 12:34

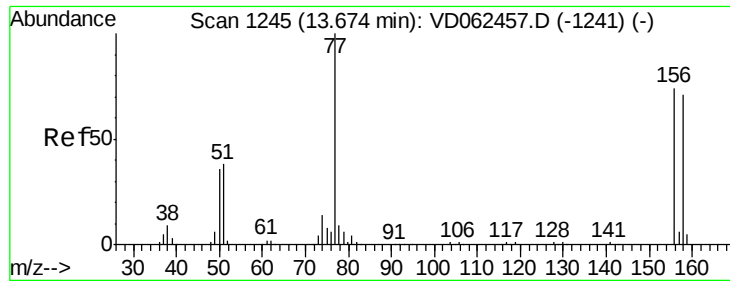
Tgt Ion: 75 Resp: 181073

Ion Ratio Lower Upper

75 100

77 34.4 16.4 49.4





#77

Bromobenzene

Concen: 50.061 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

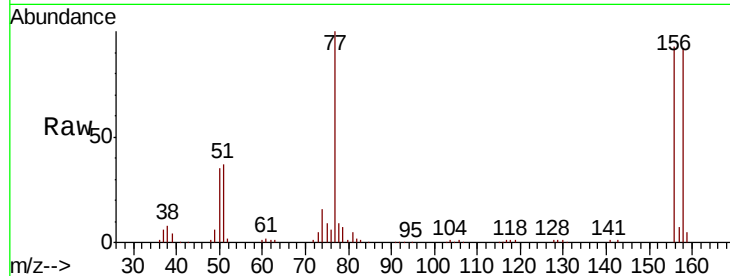
Tot Ion:156 Resp: 253451

Ion Ratio Lower Upper

156 100

77 107.3 53.1 159.4

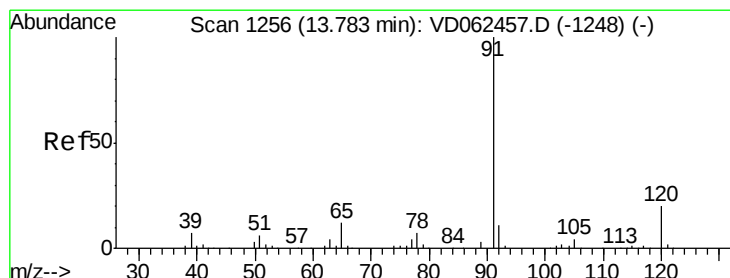
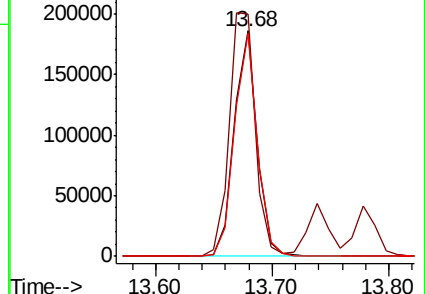
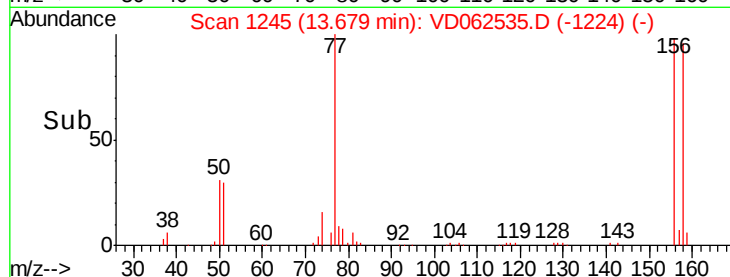
158 98.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.905 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062535.D

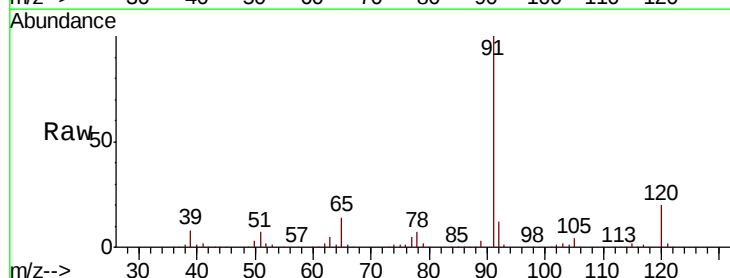
Acq: 28 May 2019 12:34

Tgt Ion: 91 Resp: 1135051

Ion Ratio Lower Upper

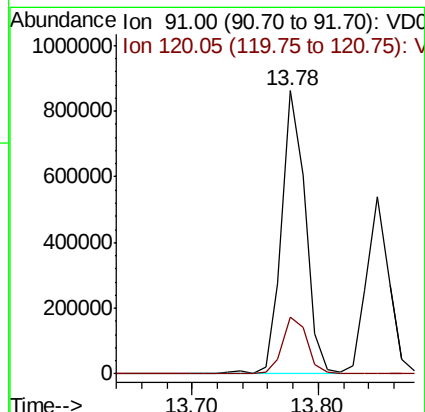
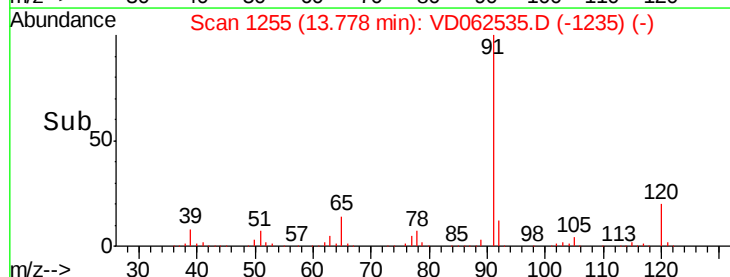
91 100

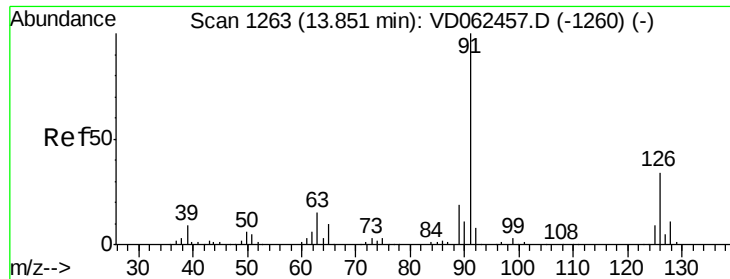
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.074 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

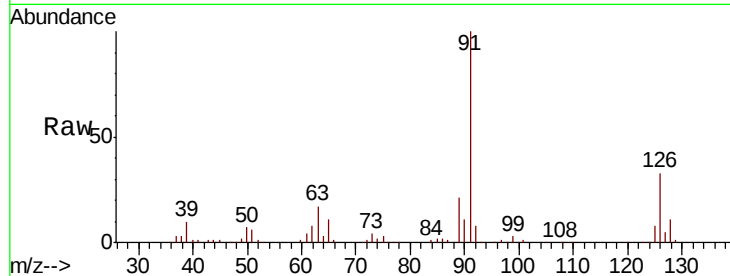
VSTDCCC050

Tot Ion: 91 Resp: 678394

Ion Ratio Lower Upper

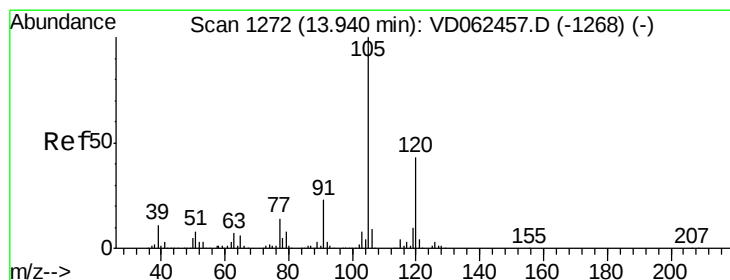
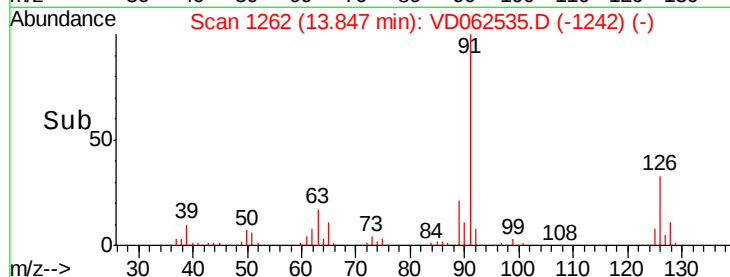
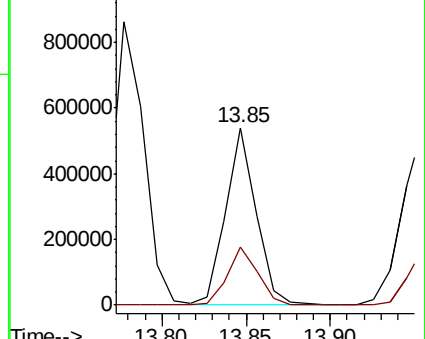
91 100

126 32.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.848 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062535.D

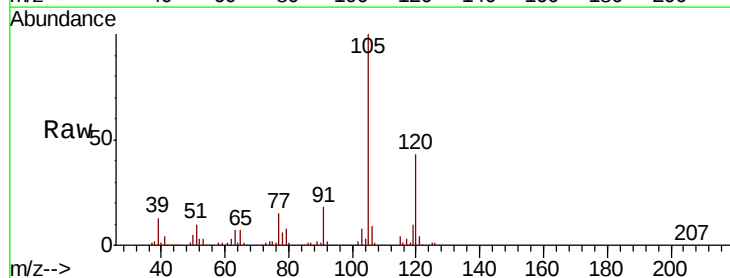
Acq: 28 May 2019 12:34

Tgt Ion: 105 Resp: 816664

Ion Ratio Lower Upper

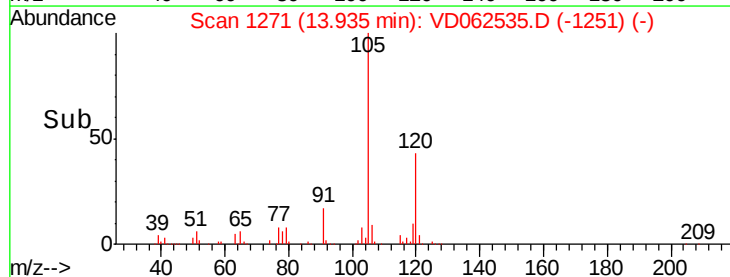
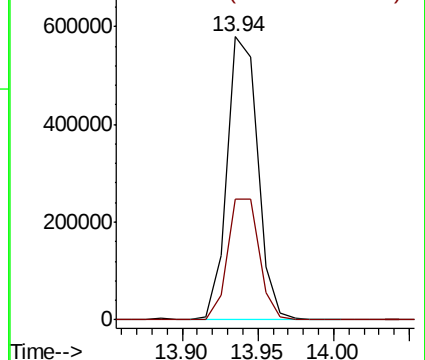
105 100

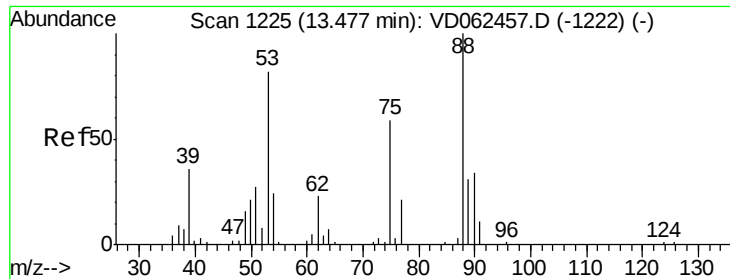
120 42.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

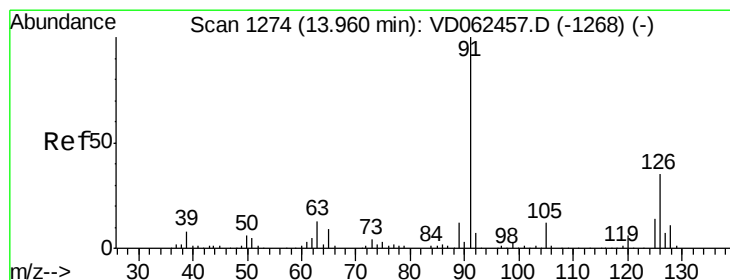
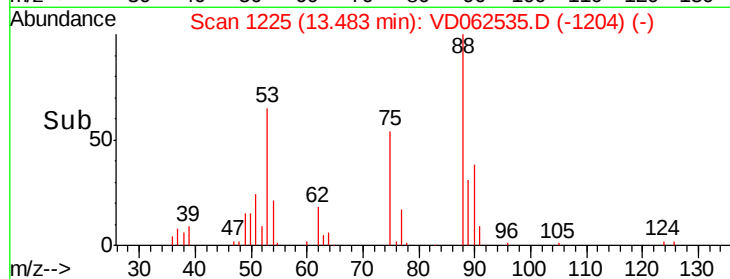
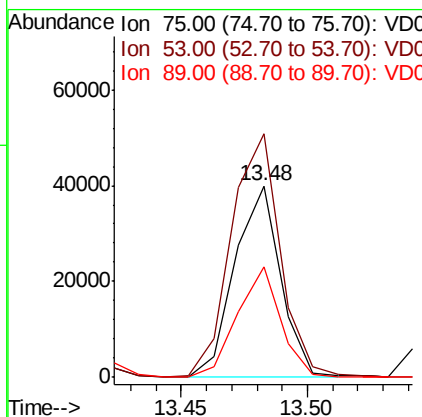
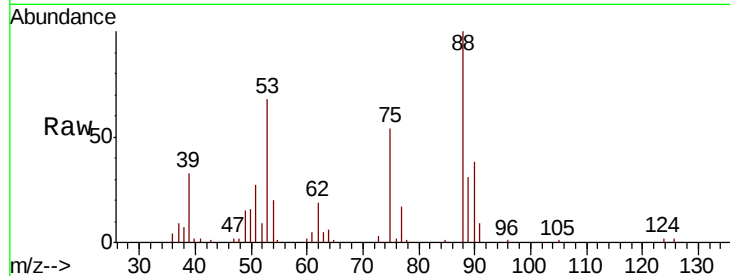




#81
trans-1,4-Dichloro-2-butene
Concen: 53.887 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

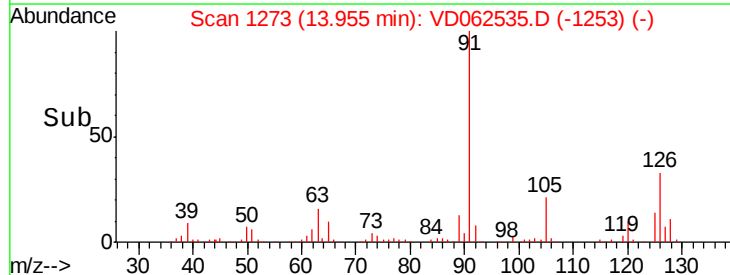
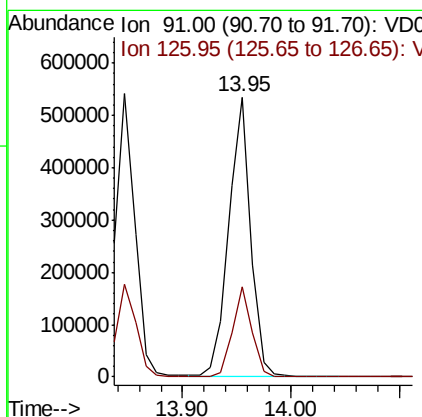
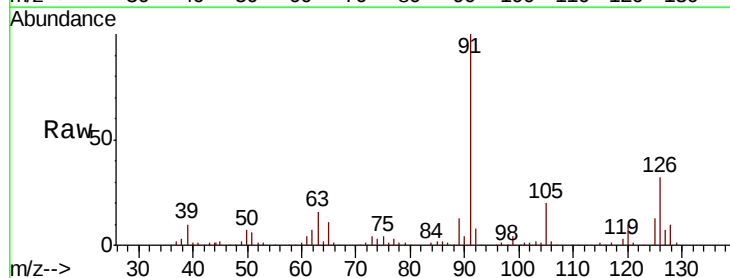
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

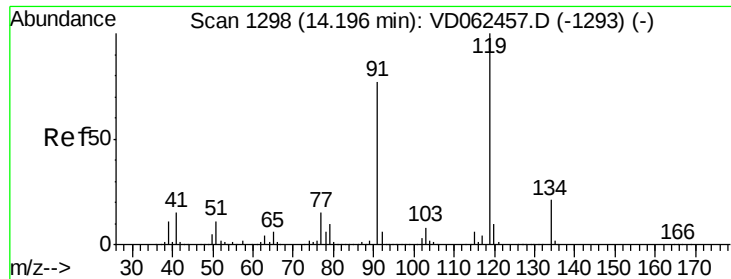
Tot Ion: 75 Resp: 50685
Ion Ratio Lower Upper
75 100
53 127.1 65.8 98.8#
89 57.3 35.0 52.6#



#82
4-Chlorotoluene
Concen: 52.058 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion: 91 Resp: 752154
Ion Ratio Lower Upper
91 100
126 32.1 19.1 57.5

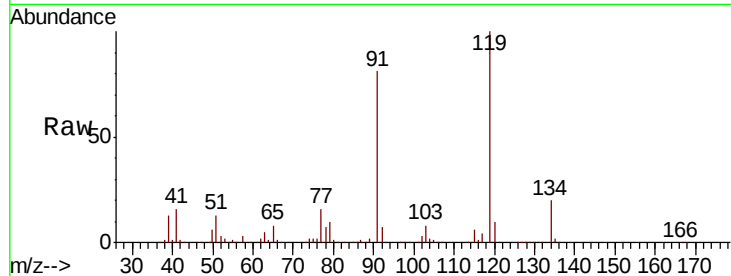




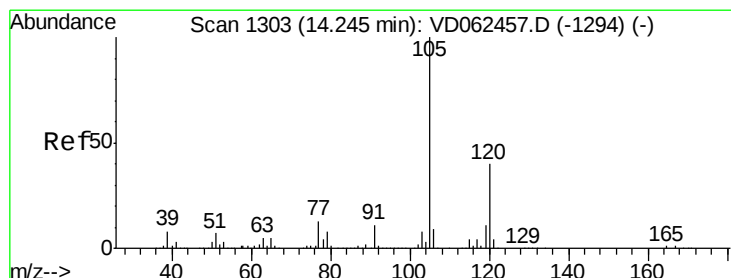
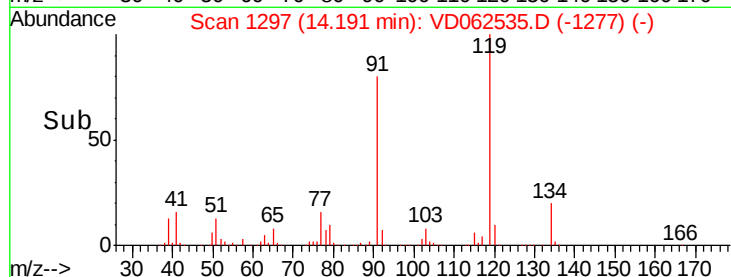
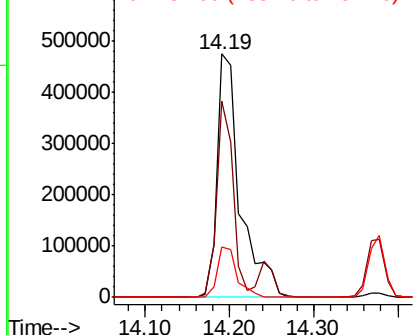
#83
tert-Butylbenzene
Concen: 52.913 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 906982
Ion Ratio Lower Upper
119 100
91 80.6 34.2 102.6
134 20.4 12.0 36.0

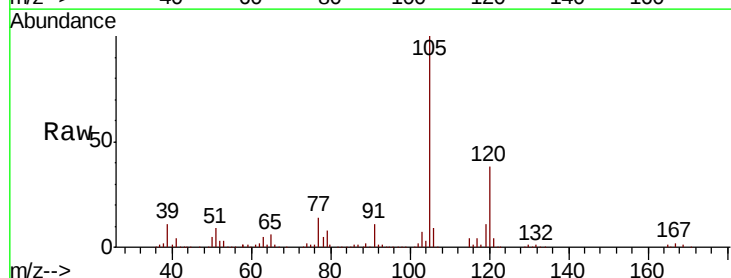


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

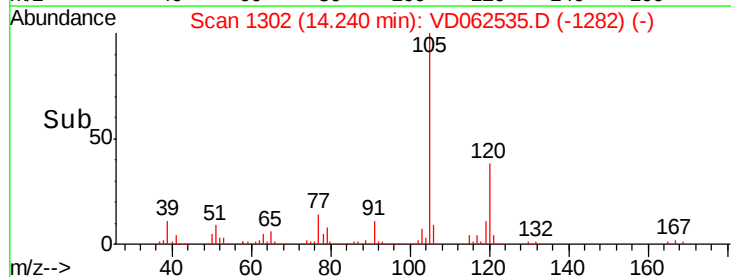
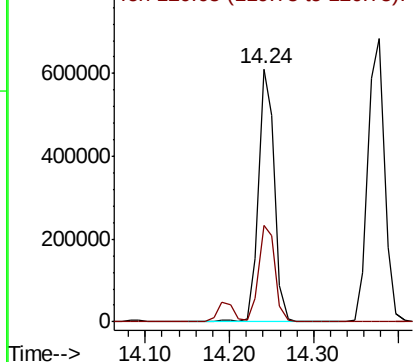


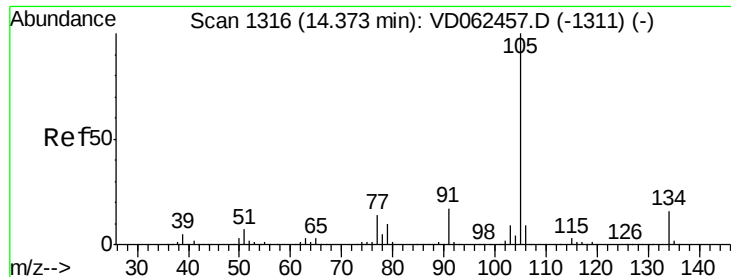
#84
1,2,4-Trimethylbenzene
Concen: 51.761 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:105 Resp: 819609
Ion Ratio Lower Upper
105 100
120 38.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 52.895 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

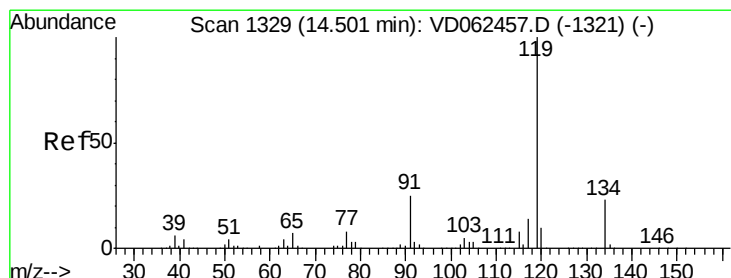
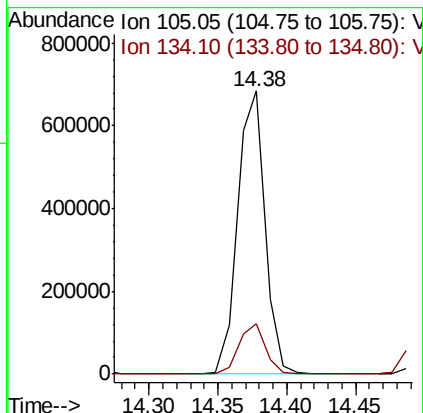
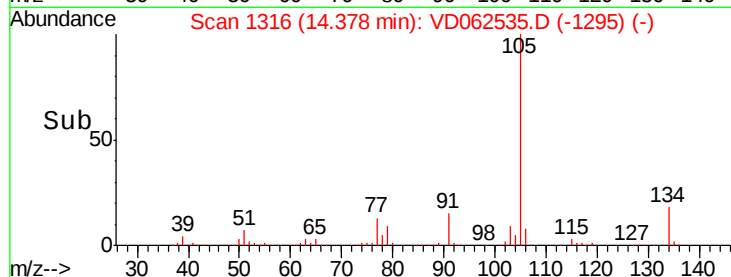
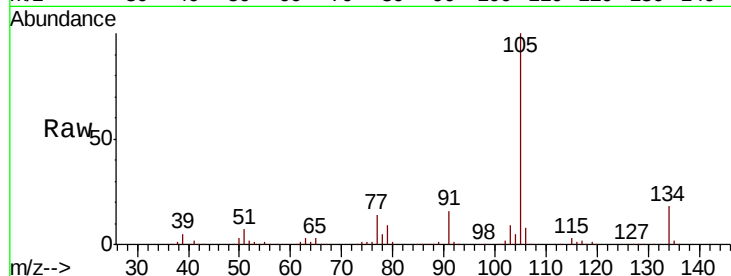
VSTDCCC050

Tot Ion:105 Resp: 945412

Ion Ratio Lower Upper

105 100

134 17.7 8.9 26.7



#86

p-Isopropyltoluene

Concen: 52.763 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

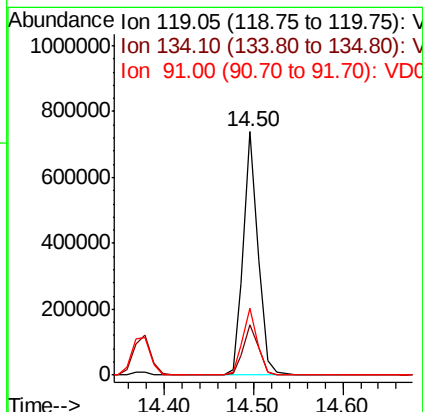
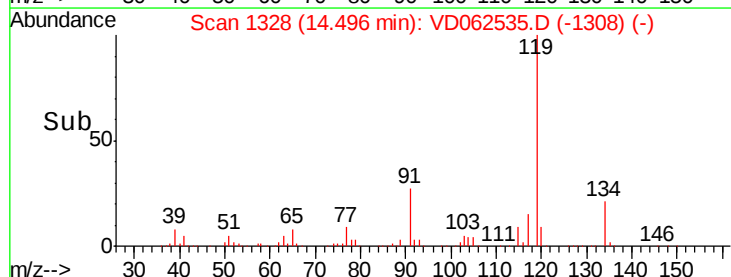
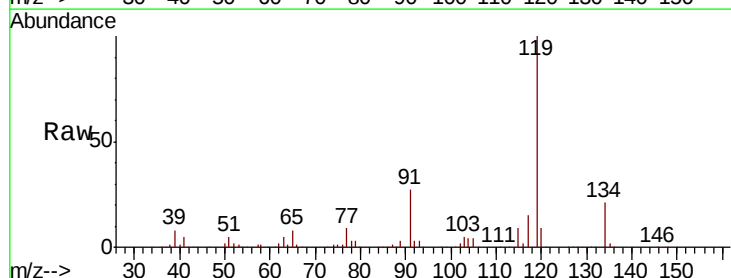
Tgt Ion:119 Resp: 854624

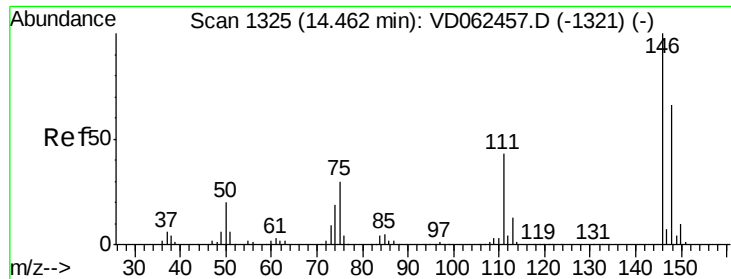
Ion Ratio Lower Upper

119 100

134 20.9 12.8 38.3

91 27.4 10.7 32.1

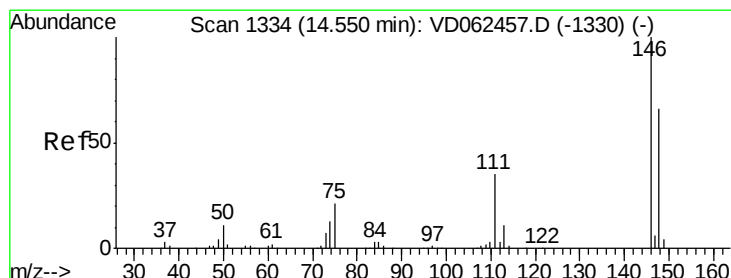
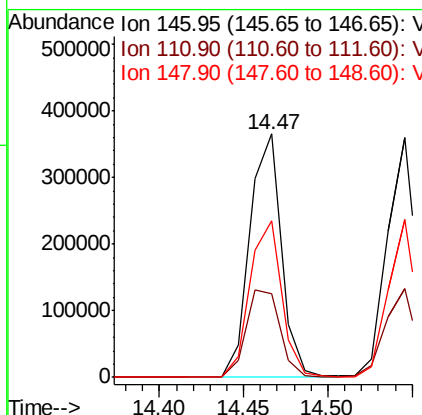
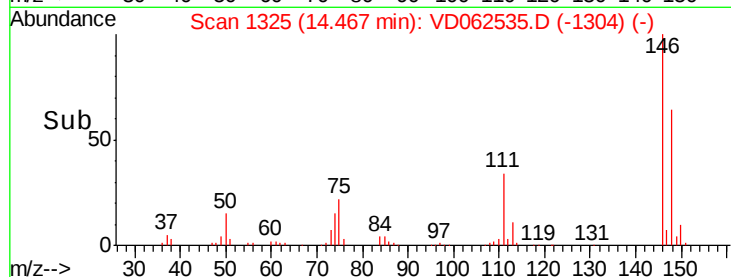
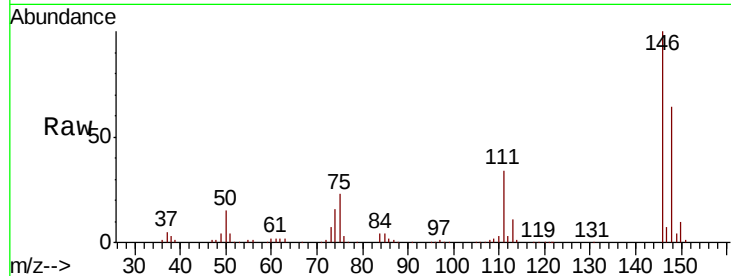




#87
 1,3-Dichlorobenzene
 Concen: 53.463 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

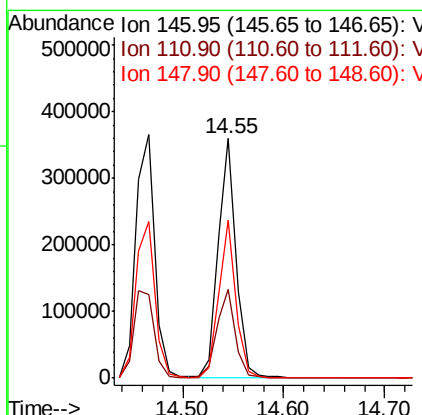
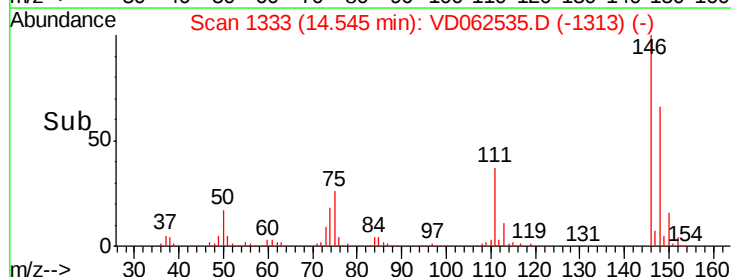
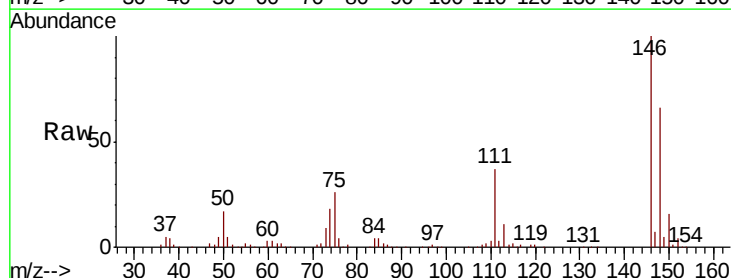
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

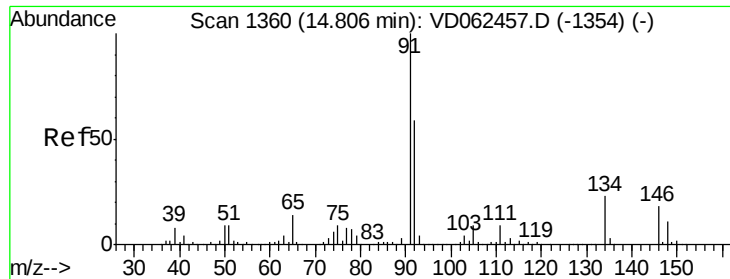
Tot Ion:146 Resp: 478002
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.0 60.0
 148 64.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.383 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion:146 Resp: 451938
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.2 60.5
 148 66.0 32.0 96.2





#89

n-Butylbenzene

Concen: 52.330 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

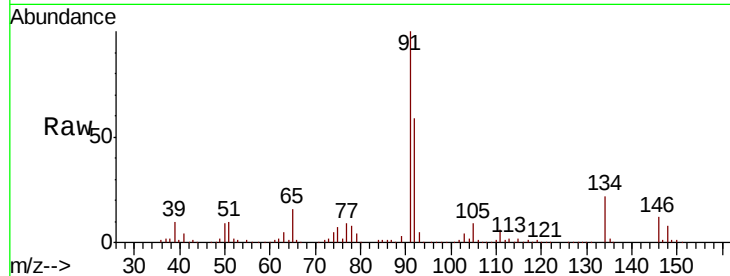
Tot Ion: 91 Resp: 818009

Ion Ratio Lower Upper

91 100

92 59.2 30.3 91.0

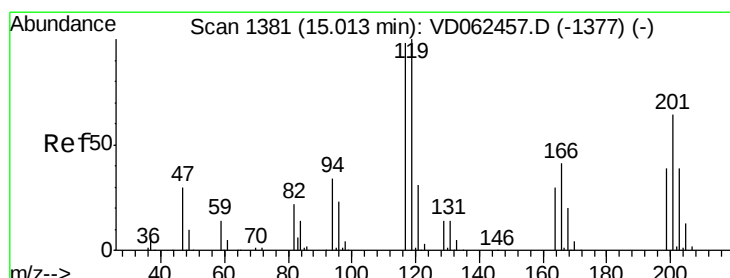
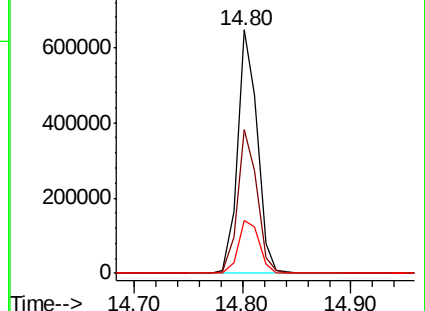
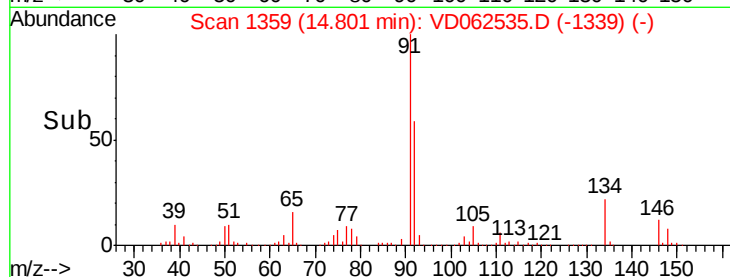
134 21.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 57.865 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062535.D

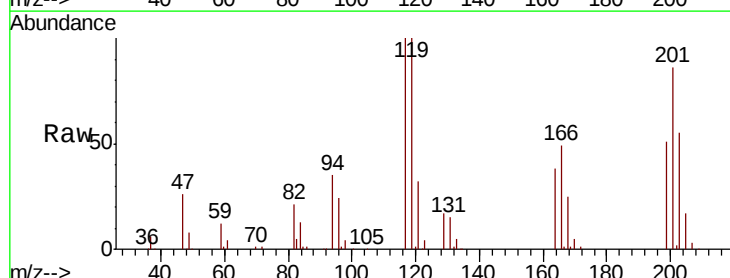
Acq: 28 May 2019 12:34

Tgt Ion: 117 Resp: 259027

Ion Ratio Lower Upper

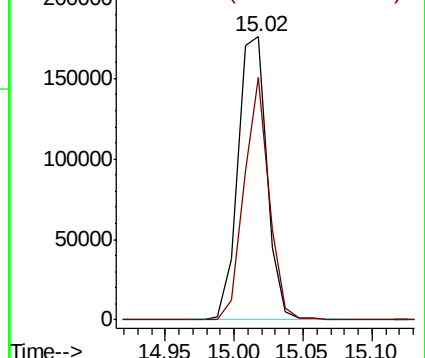
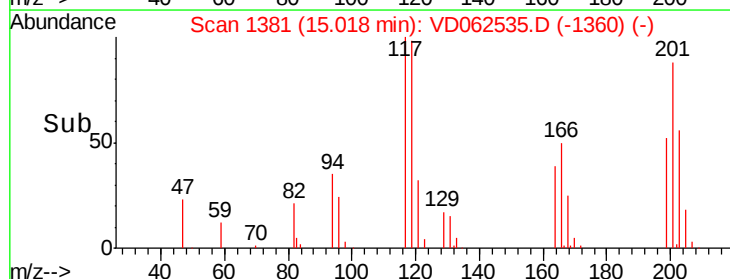
117 100

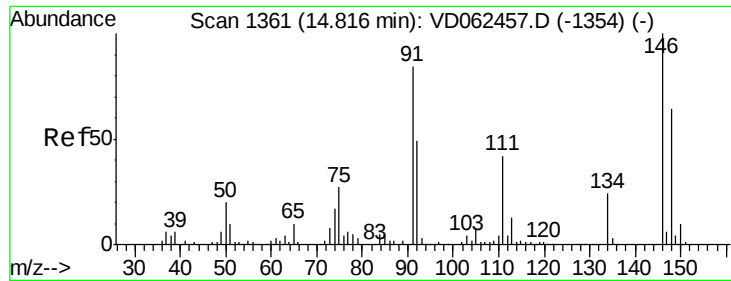
201 85.7 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 54.383 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

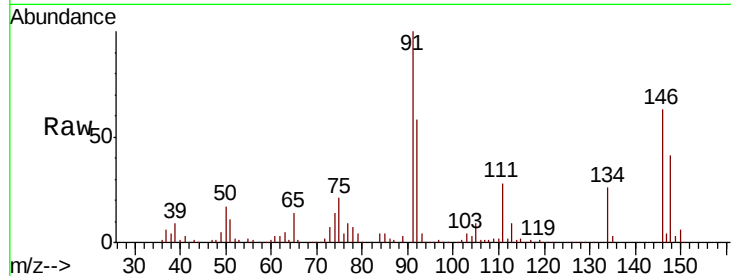
Tot Ion:146 Resp: 413453

Ion Ratio Lower Upper

146 100

111 43.8 20.0 59.9

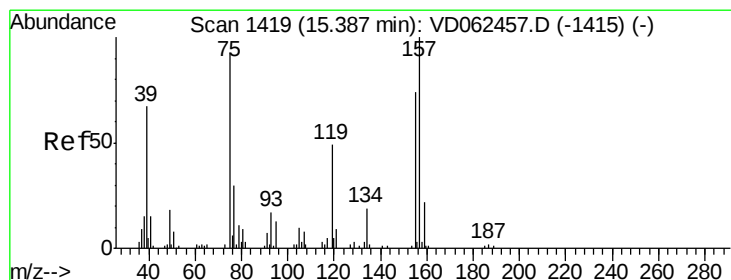
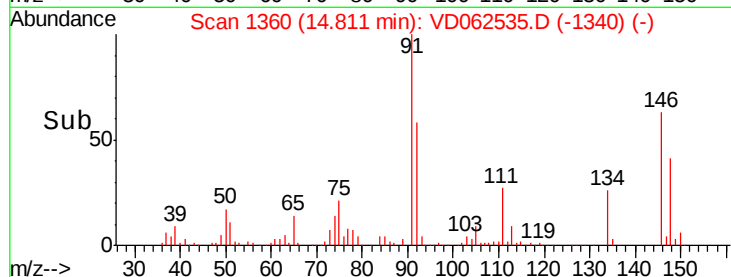
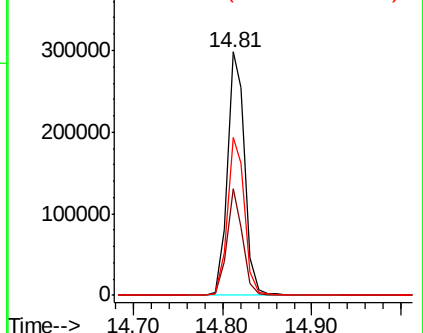
148 64.9 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.695 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD062535.D

Acq: 28 May 2019 12:34

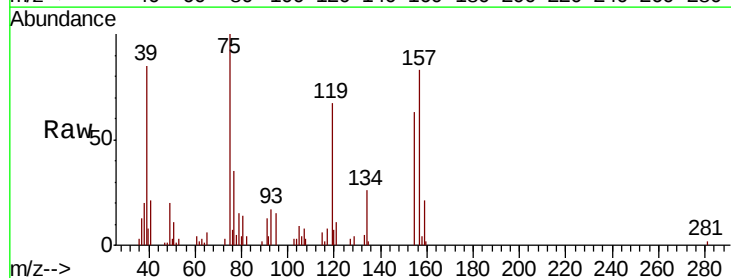
Tgt Ion: 75 Resp: 34650

Ion Ratio Lower Upper

75 100

155 62.9 55.3 165.8

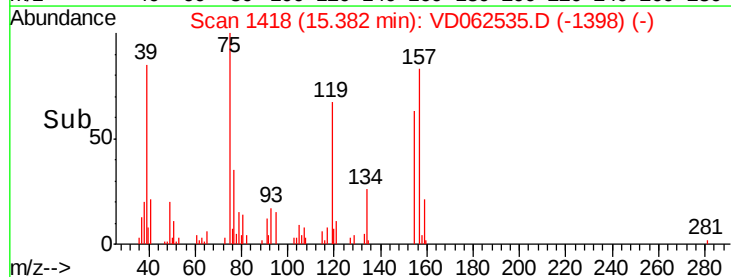
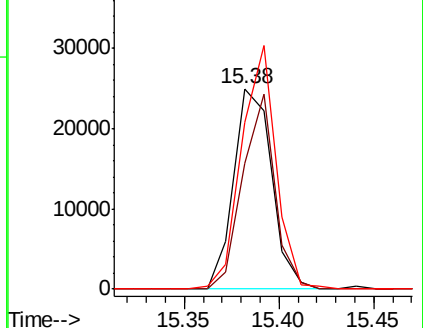
157 83.2 67.8 203.2

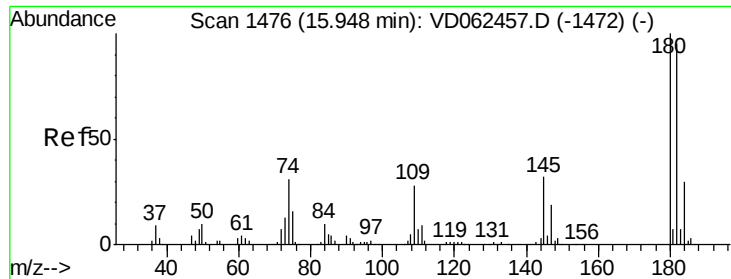


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

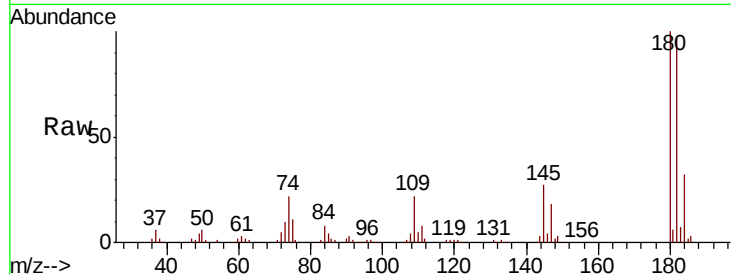




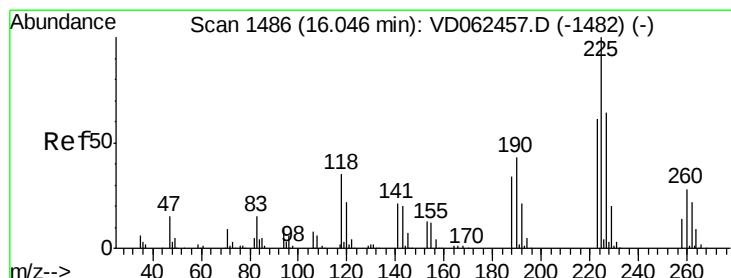
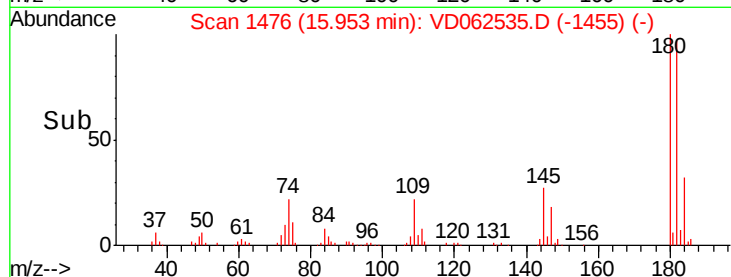
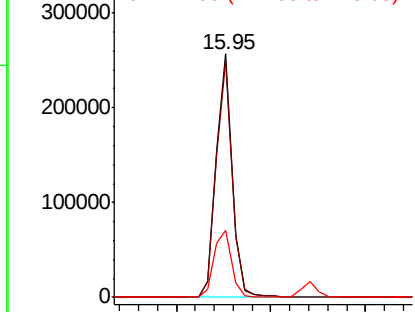
#93
 1,2,4-Trichlorobenzene
 Concen: 50.431 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	49.3	147.8
145	27.5	16.2	48.6

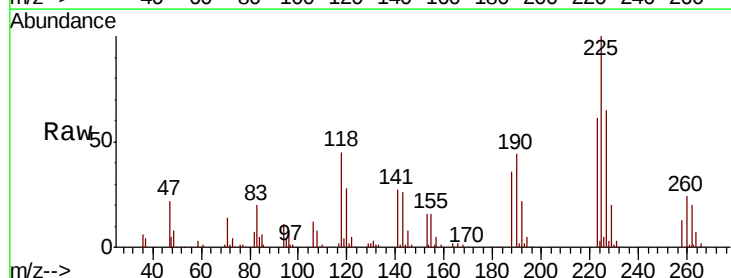


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

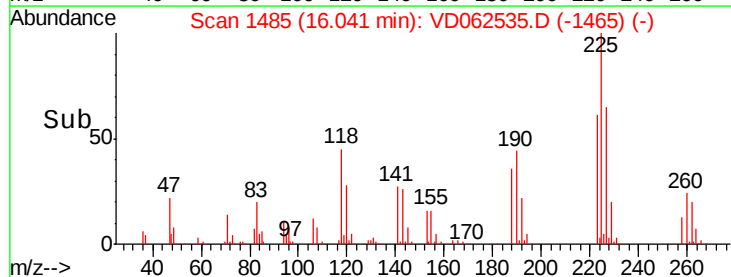
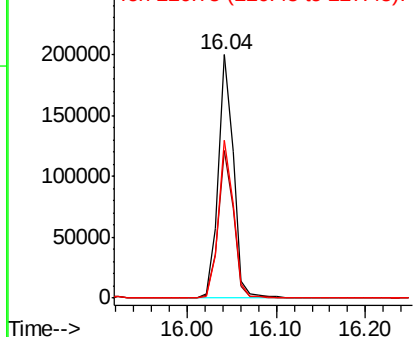


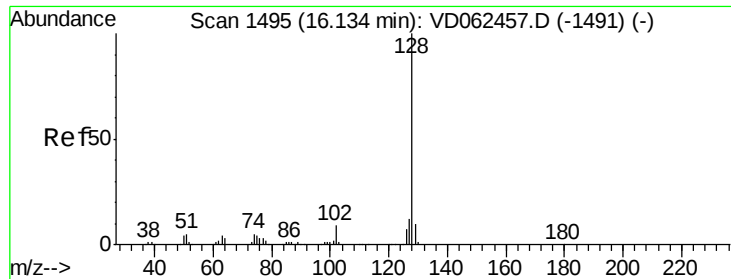
#94
 Hexachlorobutadiene
 Concen: 54.051 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD062535.D
 Acq: 28 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.6	92.0
227	64.8	32.0	96.2



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

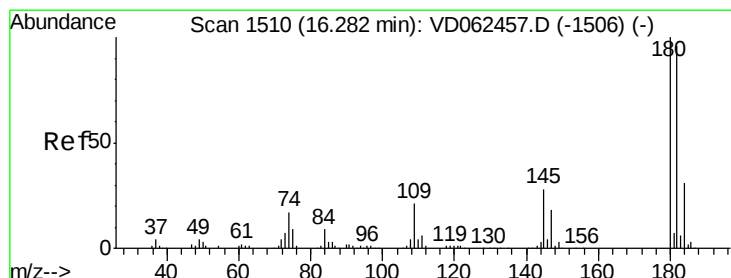
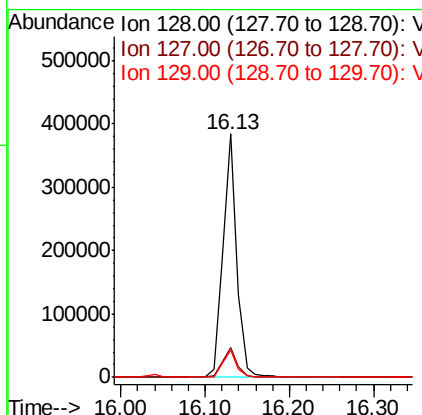
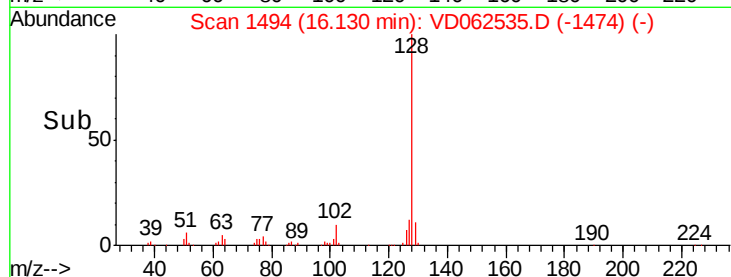
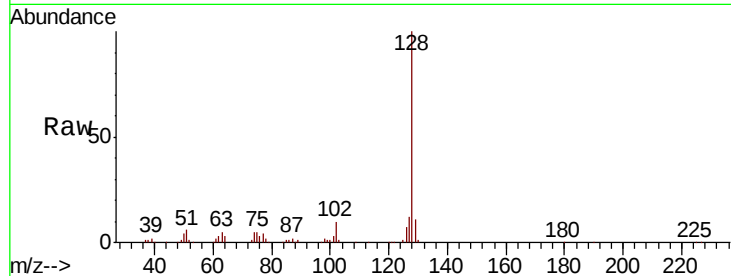




#95
Naphthalene
Concen: 53.116 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 434468
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.728 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VD062535.D
Acq: 28 May 2019 12:34

Tgt Ion:180 Resp: 239129
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.0
145 31.4 17.0 51.0

