

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071019\
 Data File : VD063056.D
 Acq On : 10 Jul 2019 14:07
 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: Jul 11 06:59:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	986142	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	1366997	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	1167659	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	586001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	490176	45.73	ug/l	-0.01
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	6.92	113	540818	46.92	ug/l	-0.01
Spiked Amount			Recovery	=	93.84%	
50) Toluene-d8	10.40	98	1207892	48.15	ug/l	-0.01
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	13.55	95	538670	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	549290	43.044	ug/l	99
3) Chloromethane	1.75	50	418730	43.631	ug/l	91
4) Vinyl Chloride	1.85	62	465029	48.871	ug/l	98
5) Bromomethane	2.15	94	194958	43.750	ug/l	98
6) Chloroethane	2.26	64	197376	45.816	ug/l	93
7) Trichlorofluoromethane	2.53	101	950205	49.342	ug/l	100
8) Diethyl Ether	2.87	74	122365	50.010	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.15	101	595089	57.040	ug/l	95
10) Methyl Iodide	3.29	142	734638	53.374	ug/l	96
11) Tert butyl alcohol	4.07	59	132318	271.031	ug/l	97
12) 1,1-Dichloroethene	3.12	96	398247	50.885	ug/l	91
13) Acrolein	3.03	56	96941	194.505	ug/l	93
14) Allyl chloride	3.61	41	631694	54.625	ug/l	92
15) Acrylonitrile	4.19	53	342256	298.355	ug/l	94
16) Acetone	3.22	43	651181	300.991	ug/l #	92
17) Carbon Disulfide	3.36	76	1140676	45.604	ug/l	96
18) Methyl Acetate	3.64	43	176055	54.407	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	966524	57.047	ug/l	99
20) Methylene Chloride	3.81	84	409957	50.148	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	451352	54.162	ug/l	91
22) Diisopropyl ether	5.12	45	1388954	59.060	ug/l	93
23) Vinyl Acetate	5.05	43	4239263	288.070	ug/l	98
24) 1,1-Dichloroethane	4.97	63	851263	55.595	ug/l	98
25) 2-Butanone	6.06	43	599649	299.104	ug/l	93
26) 2,2-Dichloropropane	6.02	77	901073	55.520	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	501507	56.909	ug/l	97
28) Bromochloromethane	6.43	49	293490	54.422	ug/l	86
29) Tetrahydrofuran	6.45	42	258735	272.767	ug/l	98
30) Chloroform	6.65	83	1026025	55.099	ug/l	95
31) Cyclohexane	6.95	56	539635	53.609	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	1037081	53.470	ug/l	93
36) 1,1-Dichloropropene	7.13	75	661242	51.098	ug/l	97
37) Ethyl Acetate	6.18	43	285944	52.661	ug/l	98
38) Carbon Tetrachloride	7.10	117	1066953	54.822	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	594281	52.172	ug/l	99
40) Benzene	7.45	78	1430151	55.057	ug/l	95
41) Methacrylonitrile	6.44	41	350837	51.410	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	722145	50.962	ug/l	100
43) Isopropyl Acetate	9.24	43	390957	57.627	ug/l #	99
44) Trichloroethene	8.53	130	551719	54.177	ug/l	95
45) 1,2-Dichloropropane	8.94	63	360389	55.796	ug/l	93
46) Dibromomethane	9.05	93	291429	52.525	ug/l	94
47) Bromodichloromethane	9.37	83	767322	53.250	ug/l	98
48) Methyl methacrylate	9.11	41	263472	54.649	ug/l	97
49) 1,4-Dioxane	9.07	88	46272	1153.624	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1365435	283.873	ug/l	98
52) Toluene	10.50	92	992326	56.831	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	638204	54.112	ug/l	94
54) cis-1,3-Dichloropropene	10.04	75	713170	55.633	ug/l	90
55) 1,1,2-Trichloroethane	11.19	97	335404	55.911	ug/l	92
56) Ethyl methacrylate	11.04	69	356356	55.585	ug/l	91
57) 1,3-Dichloropropane	11.41	76	508916	55.406	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	917123	278.652	ug/l	96
59) 2-Hexanone	11.52	43	980439	286.205	ug/l	98
60) Dibromochloromethane	11.68	129	622202	55.684	ug/l	93
61) 1,2-Dibromoethane	11.80	107	390902	55.173	ug/l	95
64) Tetrachloroethene	11.25	164	491134	51.106	ug/l	96
65) Chlorobenzene	12.39	112	1156443	53.365	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	543510	53.630	ug/l	95
67) Ethyl Benzene	12.52	91	2041383	52.468	ug/l	99
68) m/p-Xylenes	12.67	106	1418826	104.703	ug/l	97
69) o-Xylene	13.05	106	661539	53.403	ug/l	96
70) Styrene	13.07	104	1162354	53.421	ug/l	93
71) Bromoform	13.23	173	367228	52.888	ug/l #	98
73) Isopropylbenzene	13.40	105	2154776	57.349	ug/l	98
74) N-amyl acetate	13.27	43	566605	62.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	372436	60.836	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	381503	56.394	ug/l	100
77) Bromobenzene	13.67	156	580523	57.443	ug/l	92
78) n-propylbenzene	13.77	91	2458379	56.215	ug/l	95
79) 2-Chlorotoluene	13.84	91	1381717	55.287	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	1832027	58.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	95187	53.687	ug/l	97
82) 4-Chlorotoluene	13.95	91	1772071	58.896	ug/l	97
83) tert-Butylbenzene	14.18	119	1981603	56.330	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1817963	56.201	ug/l	97
85) sec-Butylbenzene	14.37	105	2200317	57.548	ug/l	99
86) p-Isopropyltoluene	14.49	119	1890125	54.037	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1007966	55.640	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	995024	54.685	ug/l	98
89) n-Butylbenzene	14.79	91	1781070	54.403	ug/l	99
90) Hexachloroethane	15.01	117	545412	57.994	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	841035	54.262	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	69745	58.370	ug/l	86

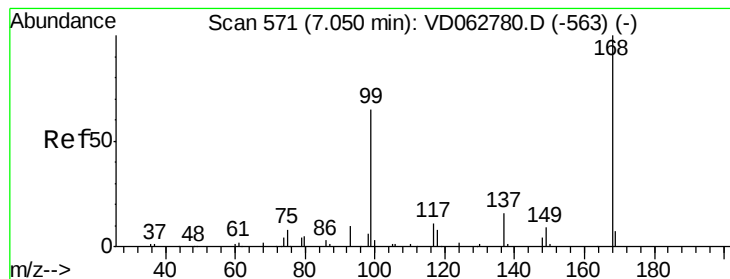
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071019\
Data File : VD063056.D
Acq On : 10 Jul 2019 14:07
Operator : VA/AP
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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	690506	57.030	ug/l	99
94) Hexachlorobutadiene	16.03	225	499692	54.022	ug/l	97
95) Naphthalene	16.12	128	1010732	59.559	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	501776	53.938	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

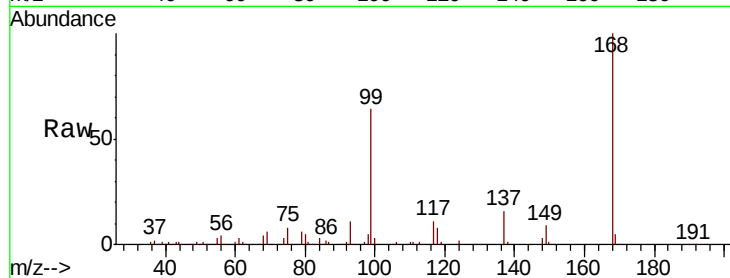
VSTDCCC050

Tot Ion:168 Resp: 986142

Ion Ratio Lower Upper

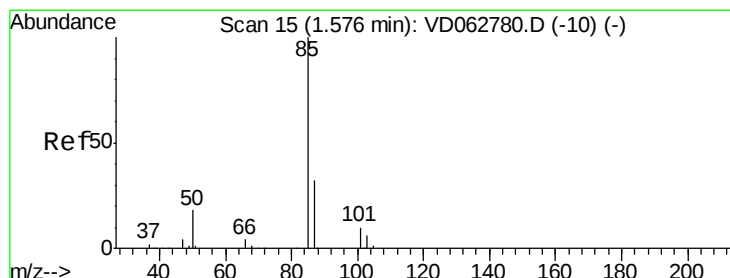
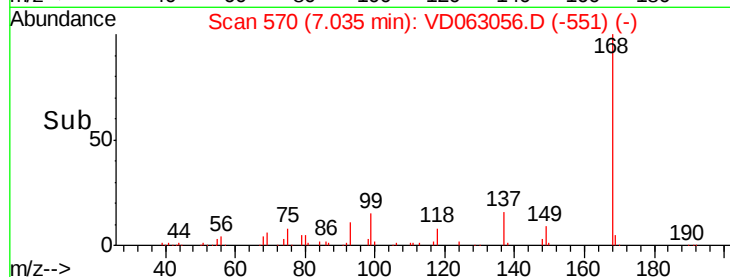
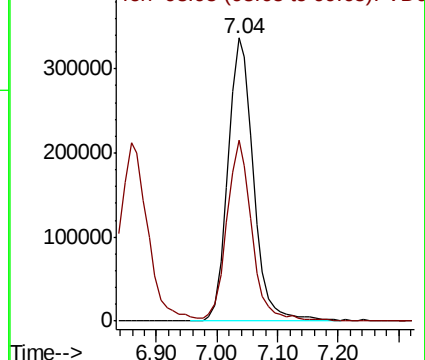
168 100

99 63.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.044 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063056.D

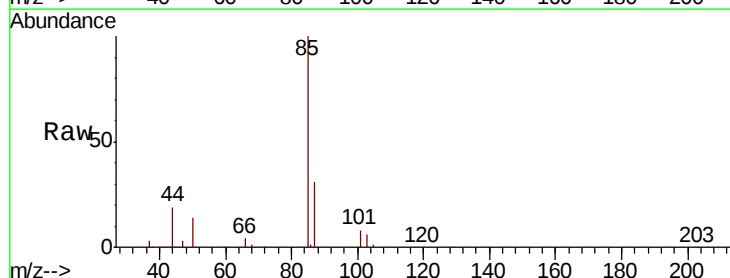
Acq: 10 Jul 2019 14:07

Tgt Ion: 85 Resp: 549290

Ion Ratio Lower Upper

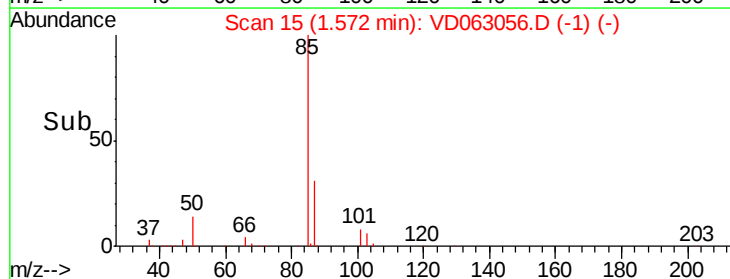
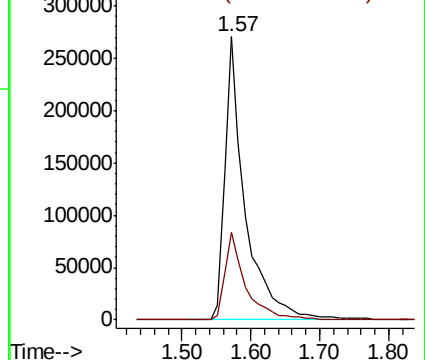
85 100

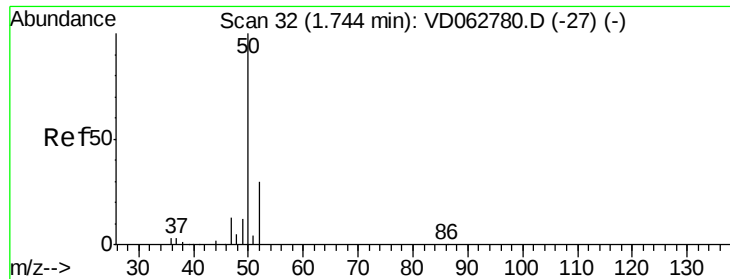
87 31.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.631 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

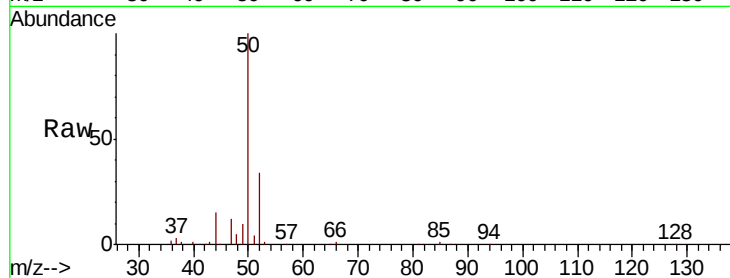
VSTDCCC050

Tot Ion: 50 Resp: 418730

Ion Ratio Lower Upper

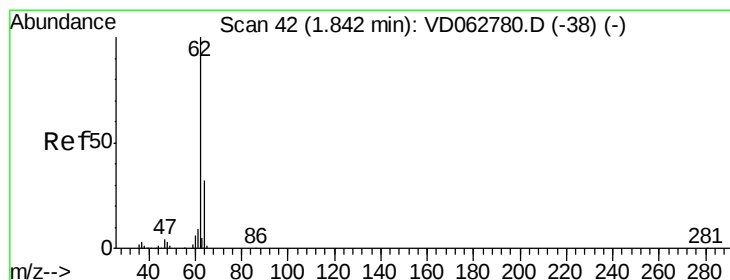
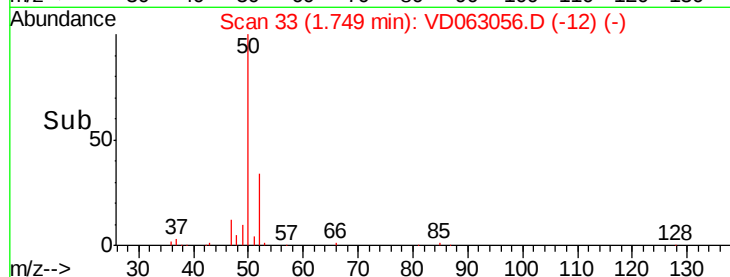
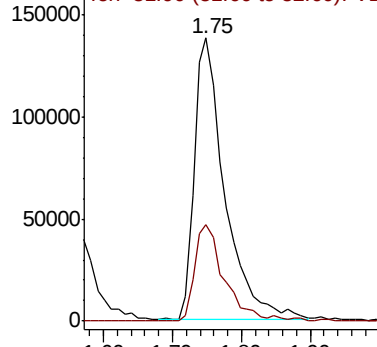
50 100

52 34.2 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.871 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063056.D

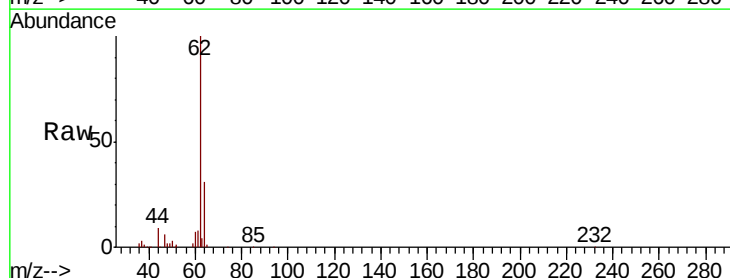
Acq: 10 Jul 2019 14:07

Tgt Ion: 62 Resp: 465029

Ion Ratio Lower Upper

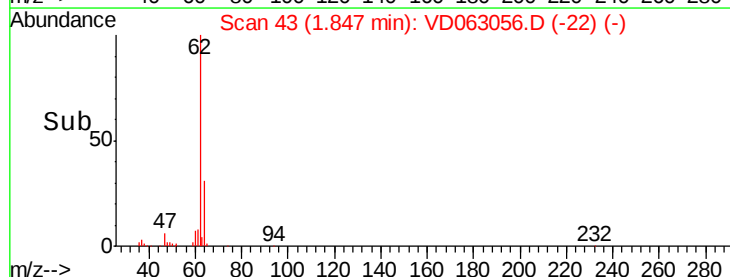
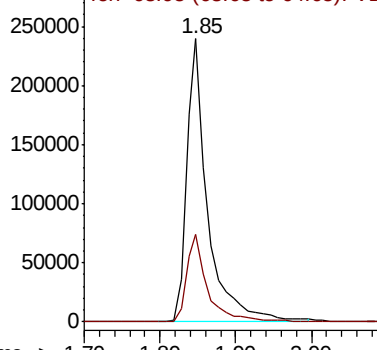
62 100

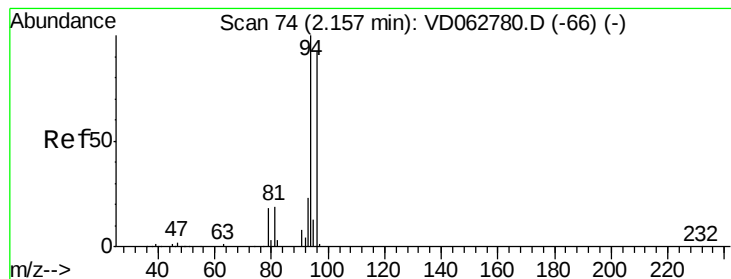
64 30.8 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.750 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

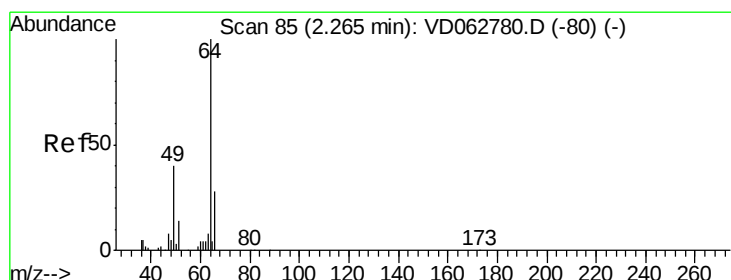
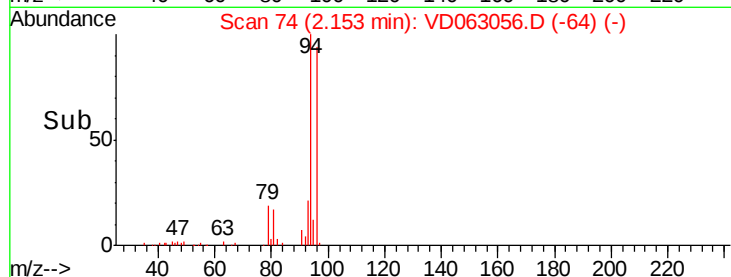
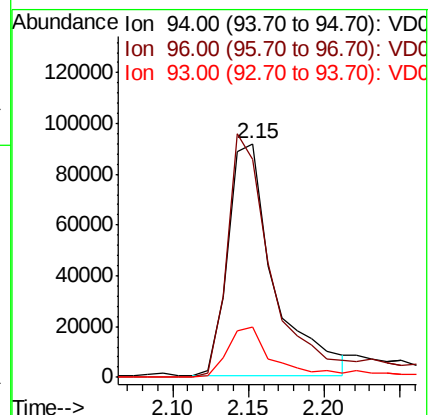
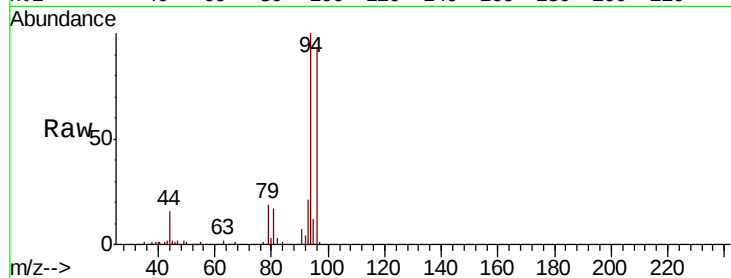
Tot Ion: 94 Resp: 194958

Ion Ratio Lower Upper

94 100

96 93.2 73.4 110.2

93 21.3 18.2 27.4



#6

Chloroethane

Concen: 45.816 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VD063056.D

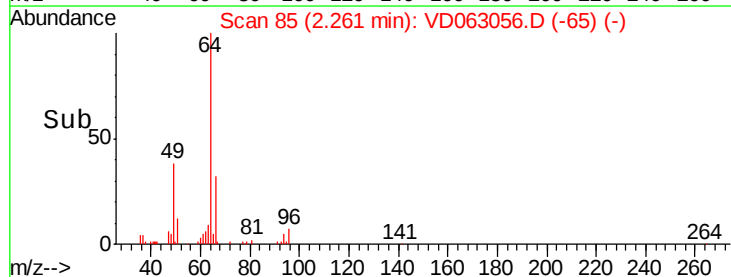
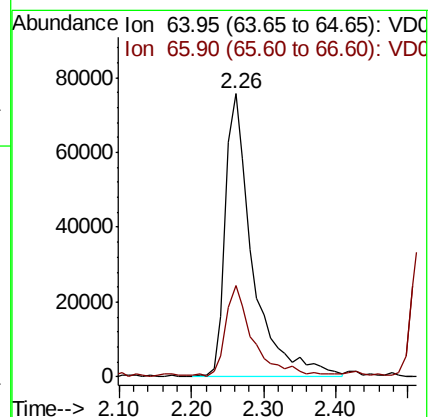
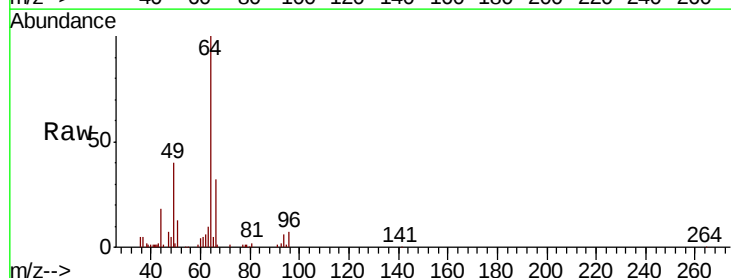
Acq: 10 Jul 2019 14:07

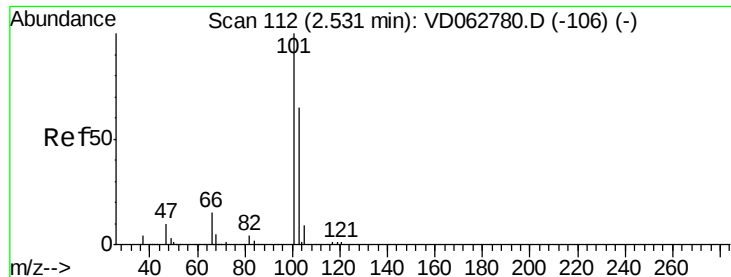
Tgt Ion: 64 Resp: 197376

Ion Ratio Lower Upper

64 100

66 32.4 23.0 34.4



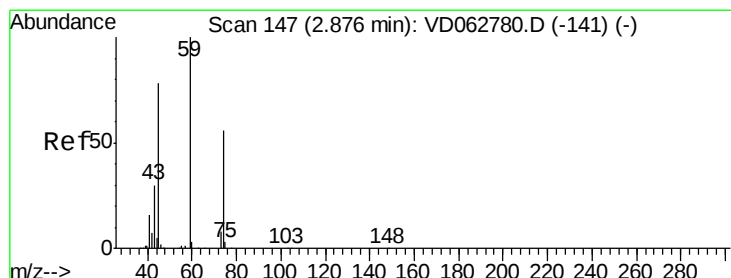
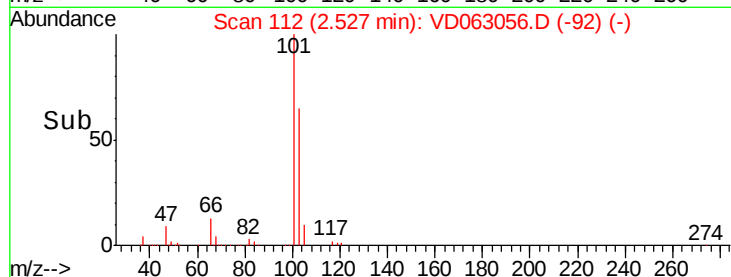
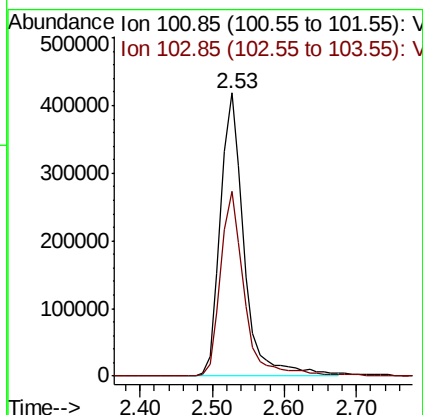
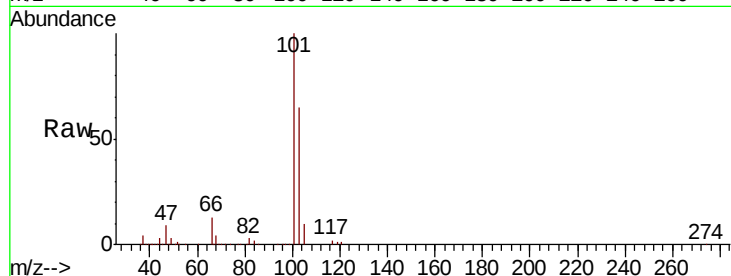


#7

Trichlorofluoromethane
 Concen: 49.342 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

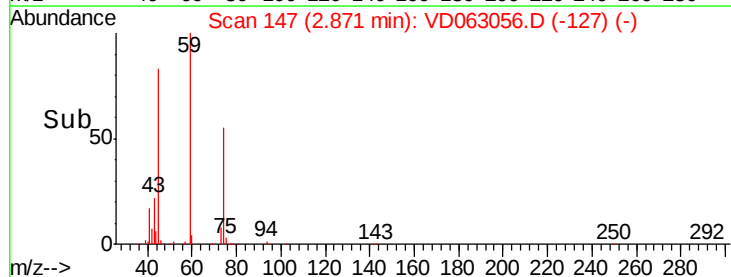
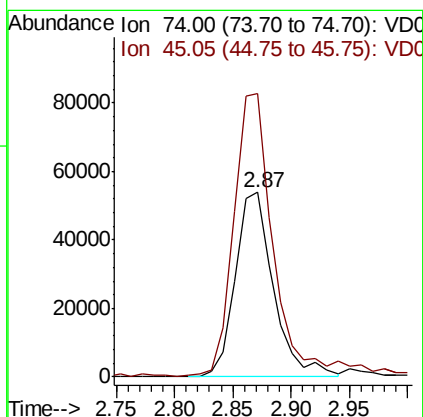
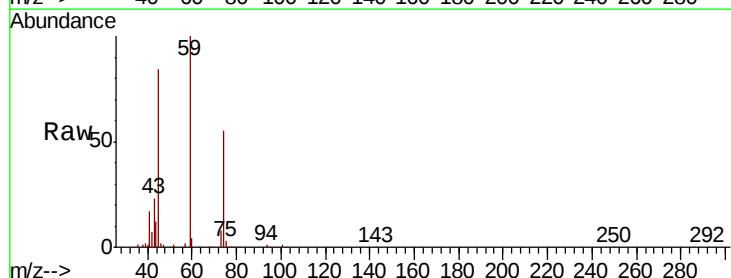
Tot Ion:101 Resp: 950205
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.8

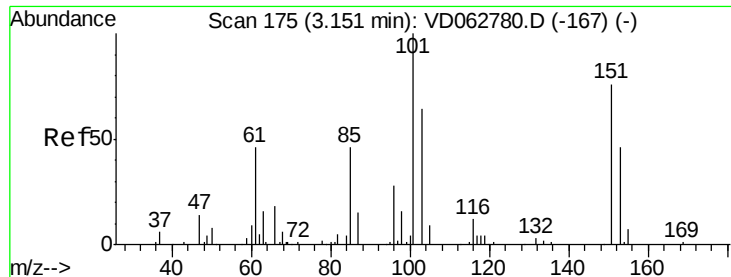


#8

Diethyl Ether
 Concen: 50.010 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion: 74 Resp: 122365
 Ion Ratio Lower Upper
 74 100
 45 153.2 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.040 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

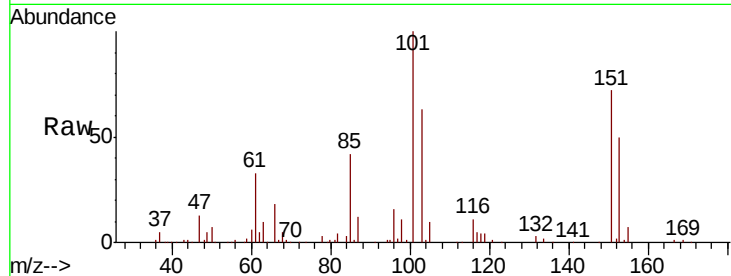
Tot Ion:101 Resp: 595089

Ion Ratio Lower Upper

101 100

85 41.9 37.0 55.4

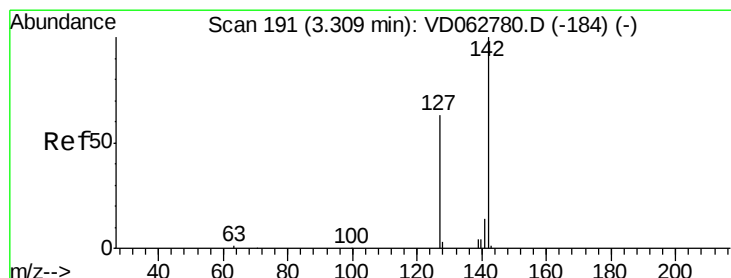
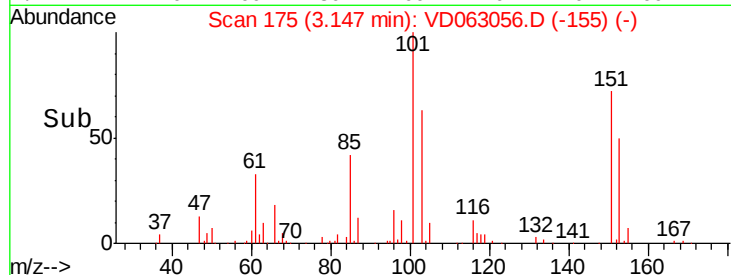
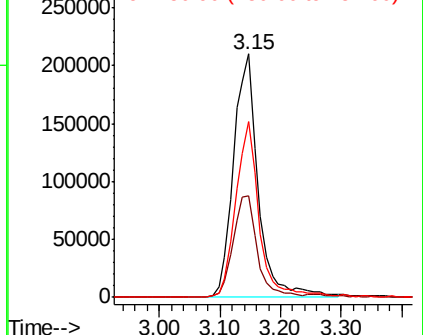
151 72.1 60.5 90.7



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: 53.374 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

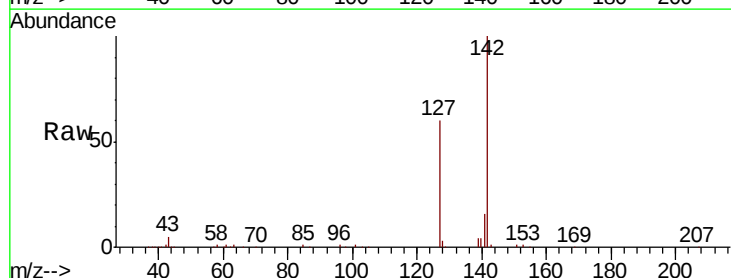
Tgt Ion:142 Resp: 734638

Ion Ratio Lower Upper

142 100

127 60.0 50.1 75.1

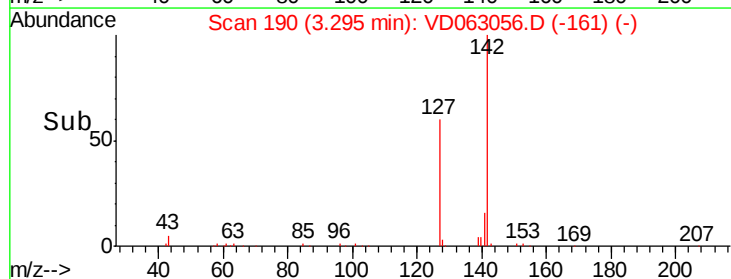
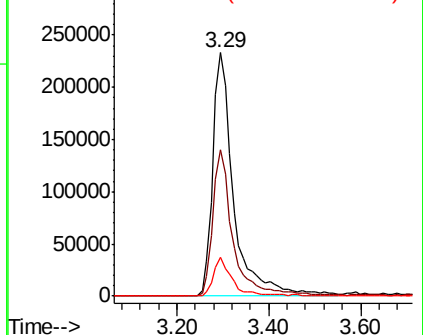
141 16.2 11.0 16.4



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



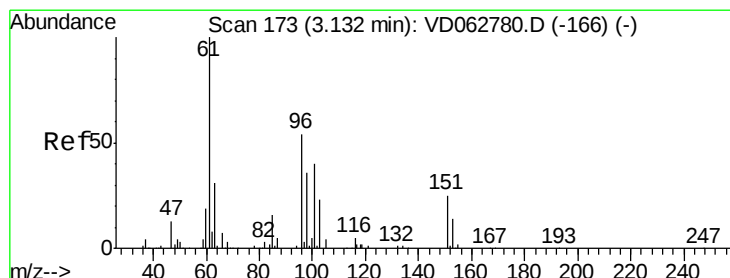
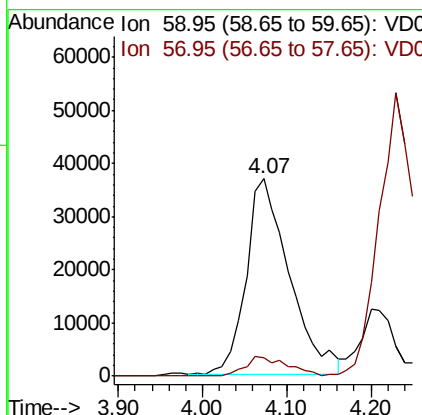
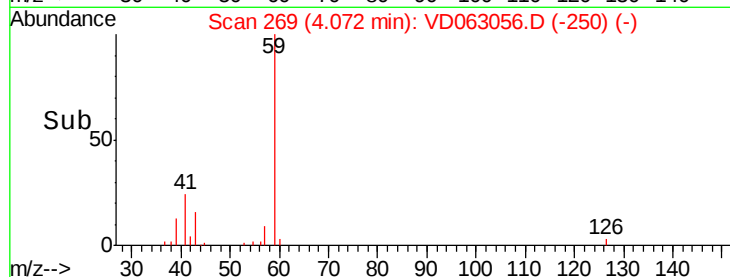
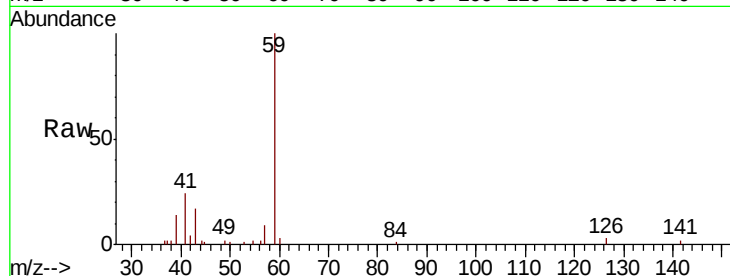


#11

Tert butyl alcohol
Concen: 271.031 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

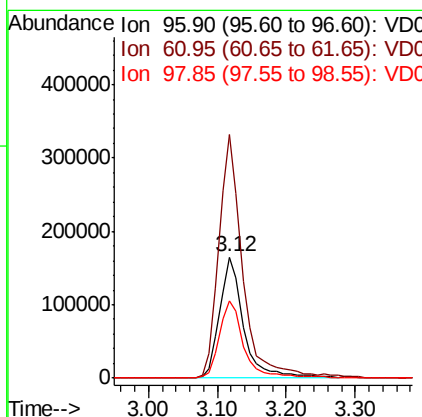
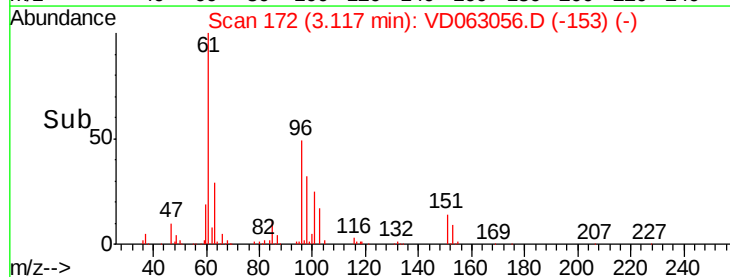
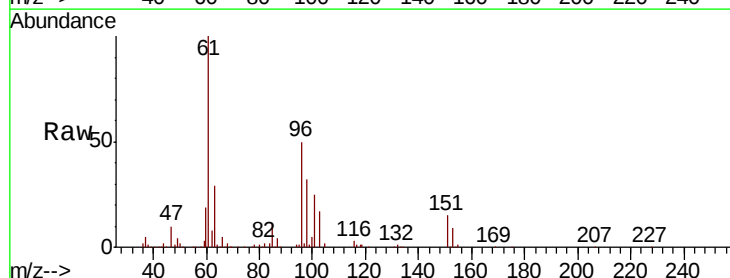
Tot Ion: 59 Resp: 132318
Ion Ratio Lower Upper
59 100
57 9.3 6.6 10.0

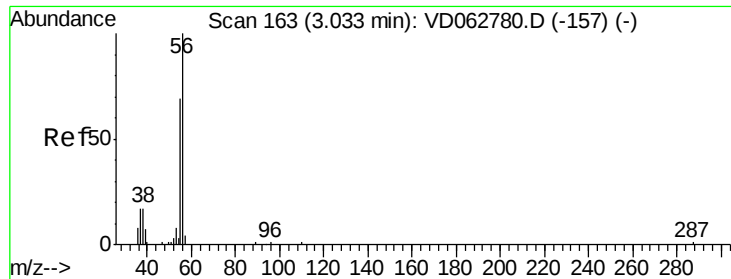


#12

1,1-Dichloroethene
Concen: 50.885 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 96 Resp: 398247
Ion Ratio Lower Upper
96 100
61 201.2 147.1 220.7
98 64.0 52.6 79.0





#13

Acrolein

Concen: 194.505 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

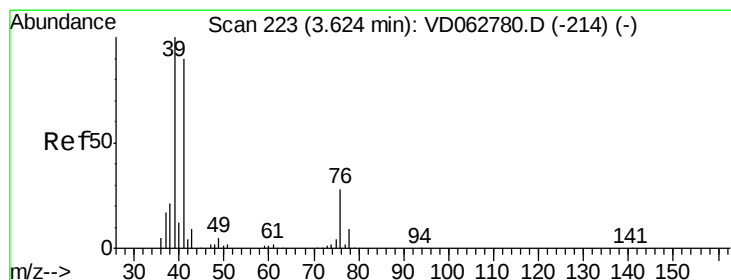
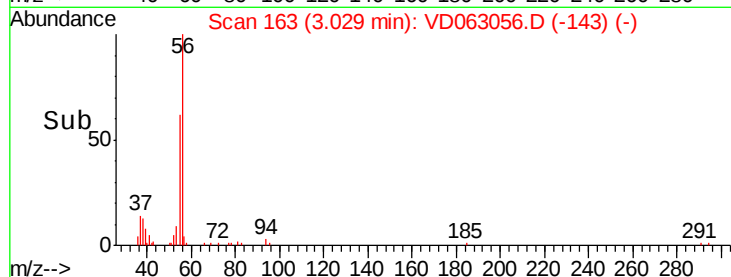
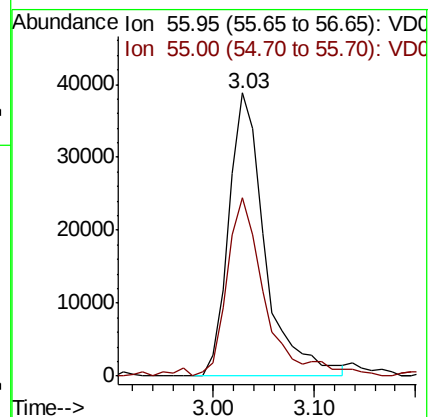
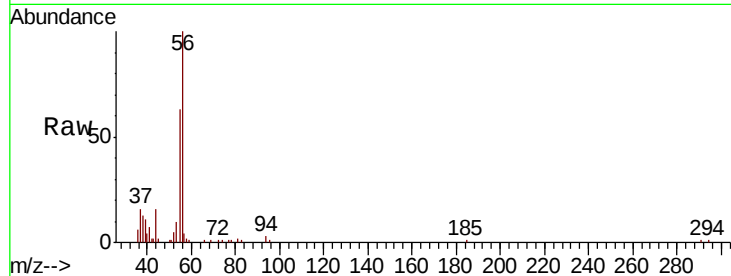
VSTDCCC050

Tot Ion: 56 Resp: 96941

Ion Ratio Lower Upper

56 100

55 63.2 55.4 83.0



#14

Allyl chloride

Concen: 54.625 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

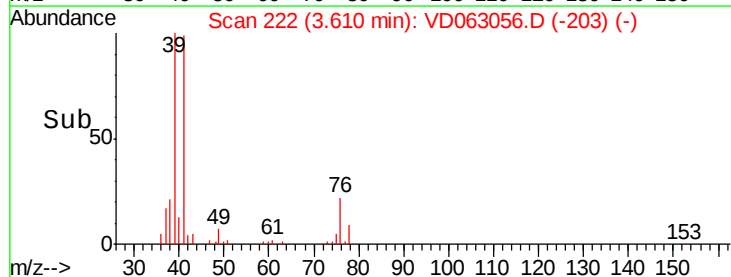
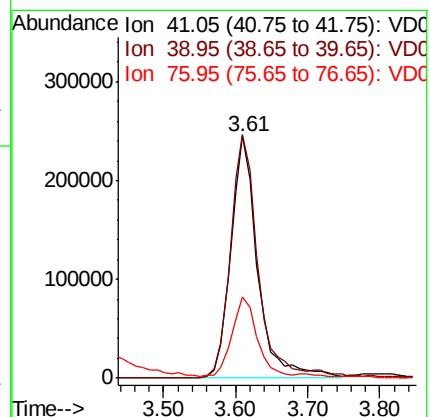
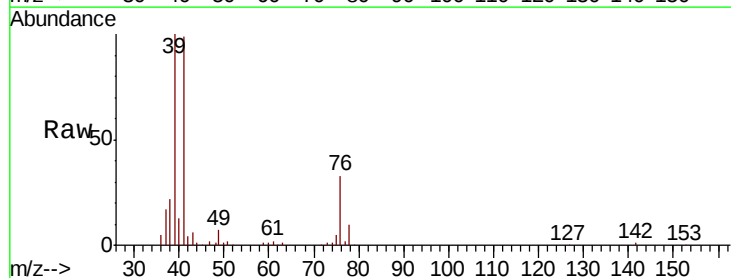
Tgt Ion: 41 Resp: 631694

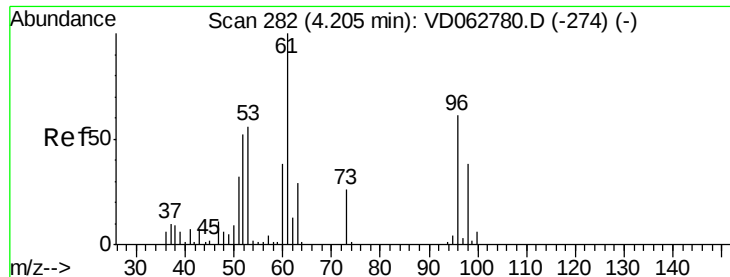
Ion Ratio Lower Upper

41 100

39 100.6 88.8 133.2

76 33.2 26.7 40.1





#15

Acrylonitrile

Concen: 298.355 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

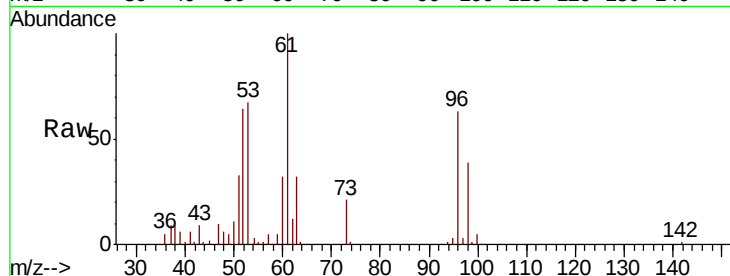
Tot Ion: 53 Resp: 342256

Ion Ratio Lower Upper

53 100

52 94.7 73.3 109.9

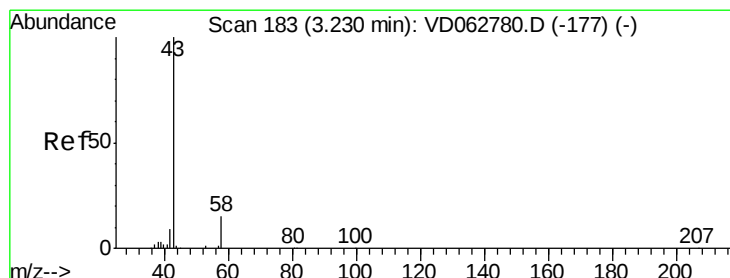
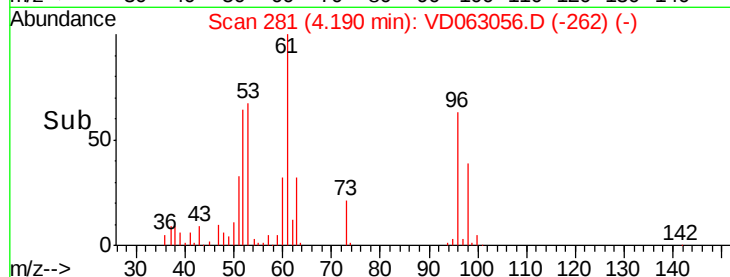
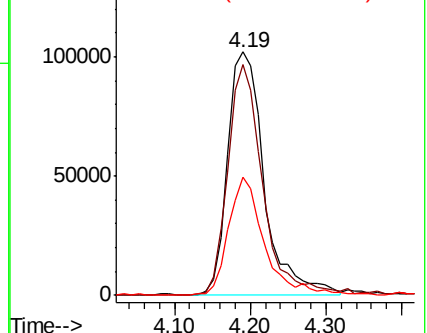
51 48.8 44.8 67.2



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: 300.991 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063056.D

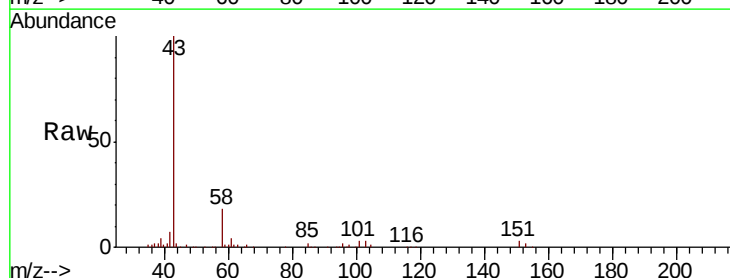
Acq: 10 Jul 2019 14:07

Tgt Ion: 43 Resp: 651181

Ion Ratio Lower Upper

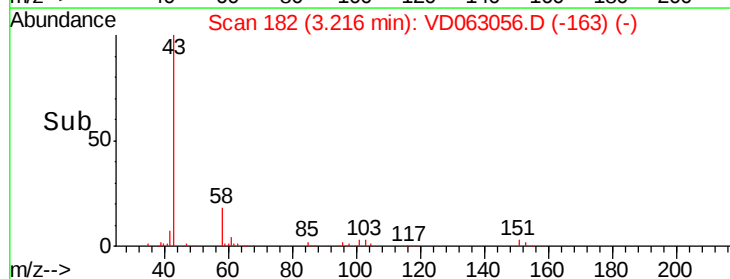
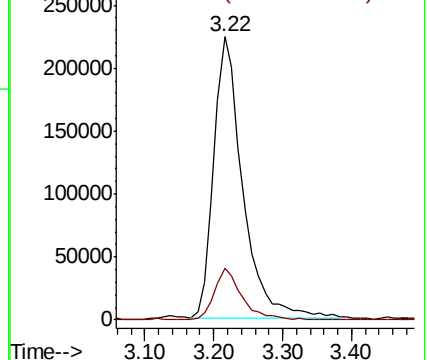
43 100

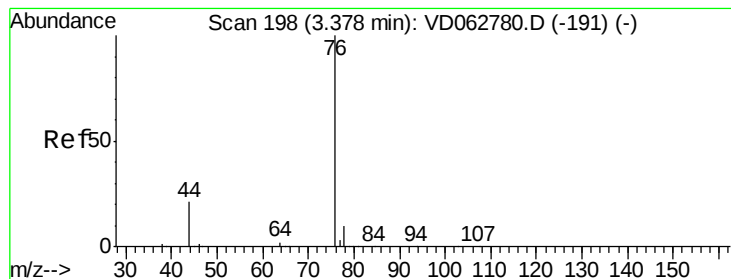
58 18.4 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 45.604 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

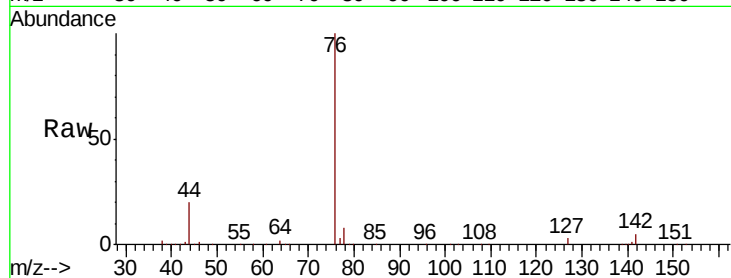
VSTDCCC050

Tot Ion: 76 Resp: 1140676

Ion Ratio Lower Upper

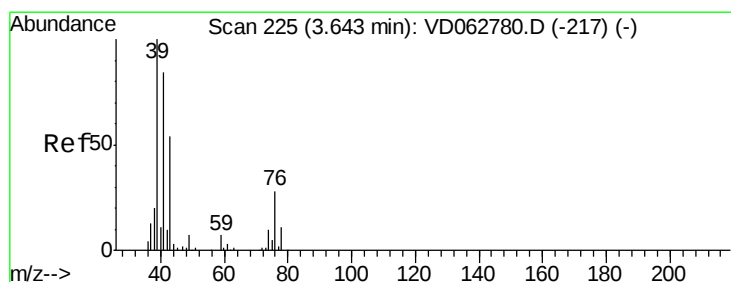
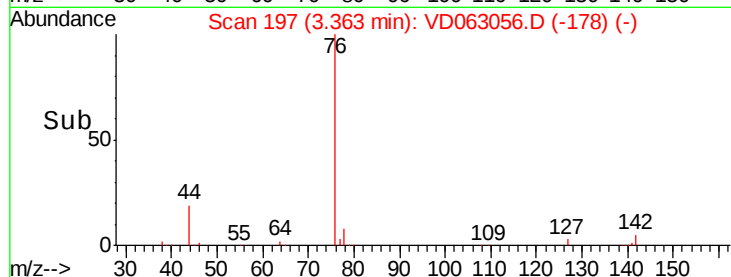
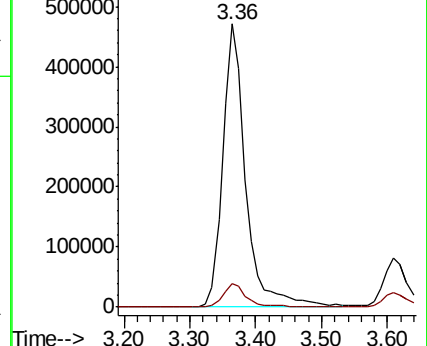
76 100

78 8.4 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 54.407 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD063056.D

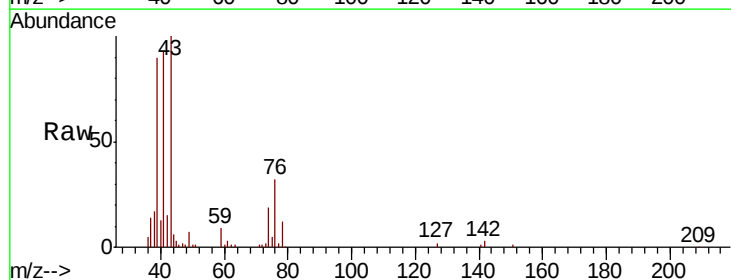
Acq: 10 Jul 2019 14:07

Tgt Ion: 43 Resp: 176055

Ion Ratio Lower Upper

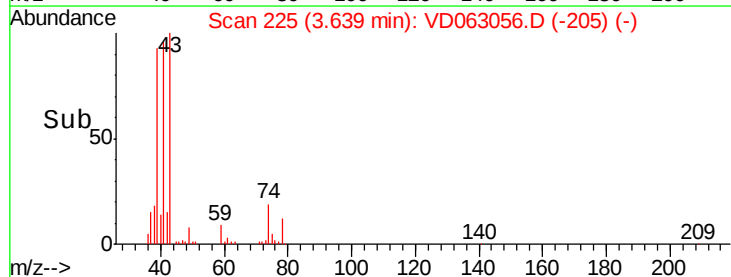
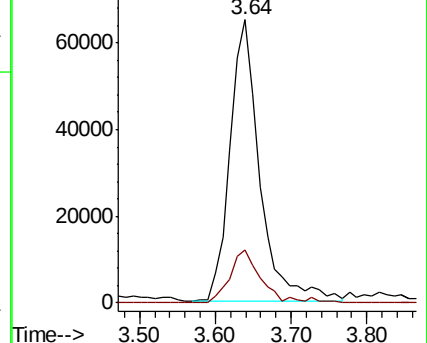
43 100

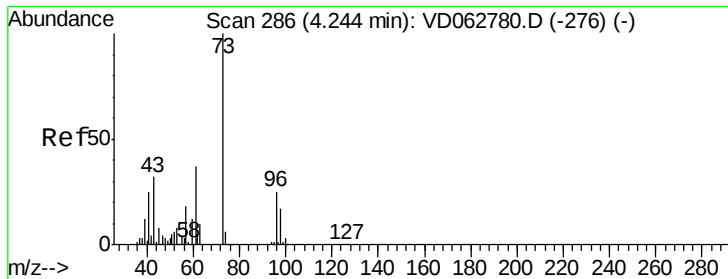
74 18.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

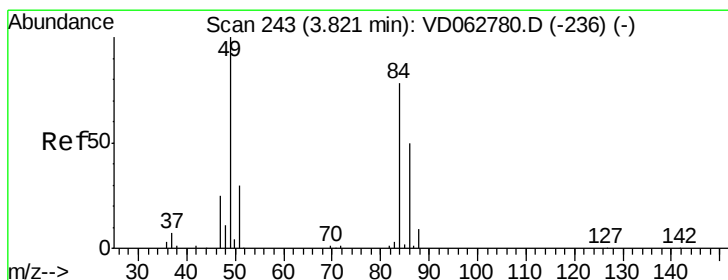
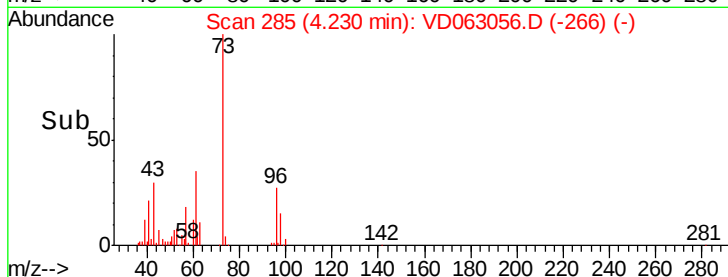
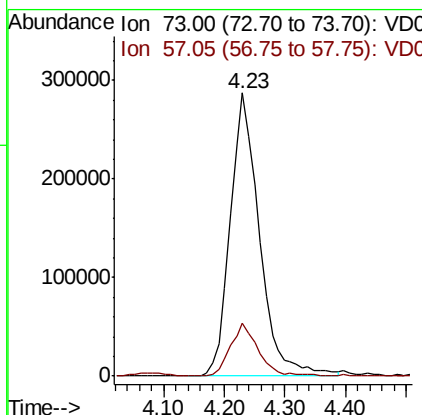
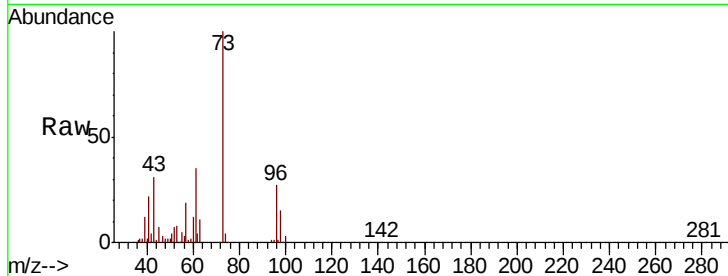




#19
Methyl tert-butyl Ether
Concen: 57.047 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

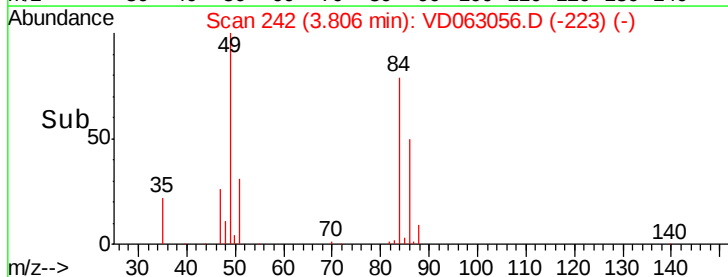
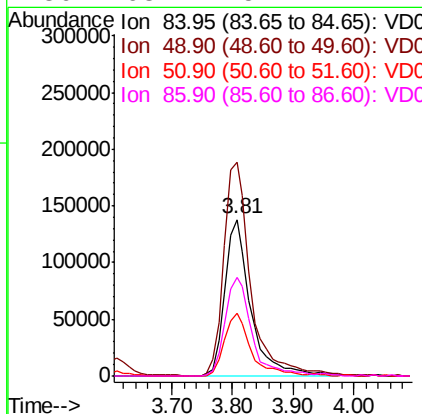
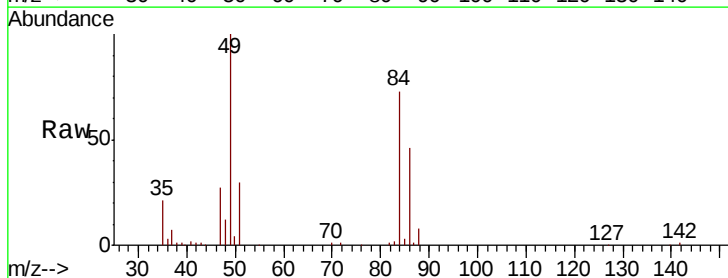
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 966524
Ion Ratio Lower Upper
73 100
57 18.5 14.3 21.5



#20
Methylene Chloride
Concen: 50.148 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 84 Resp: 409957
Ion Ratio Lower Upper
84 100
49 136.5 102.9 154.3
51 40.5 31.2 46.8
86 63.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 54.162 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

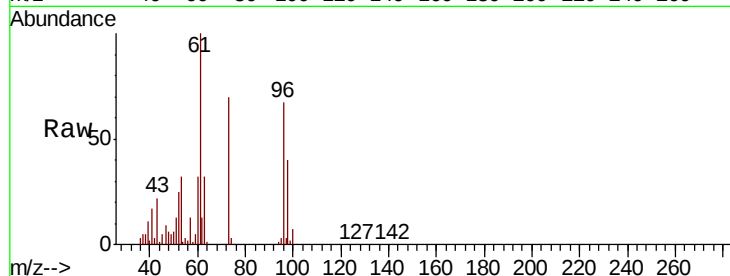
Tot Ion: 96 Resp: 451352

Ion Ratio Lower Upper

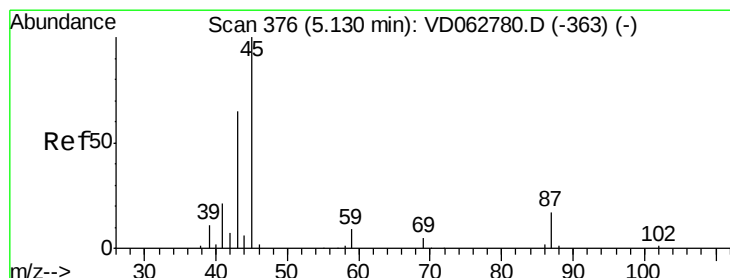
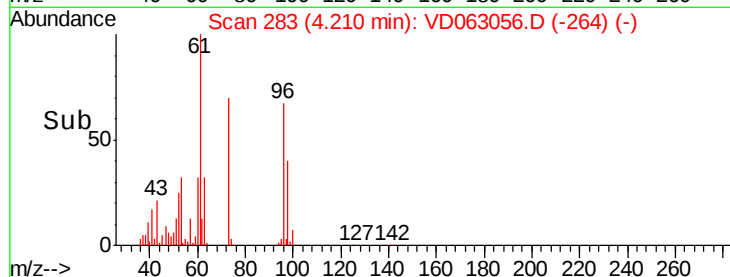
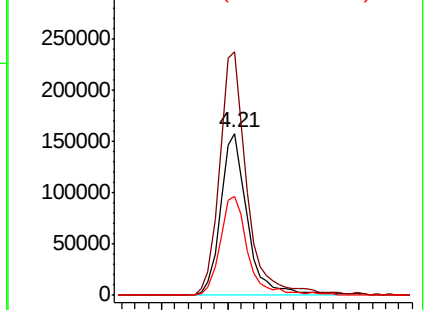
96 100

61 150.4 131.0 196.4

98 60.8 53.2 79.8



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: 59.060 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion: 45 Resp: 1388954

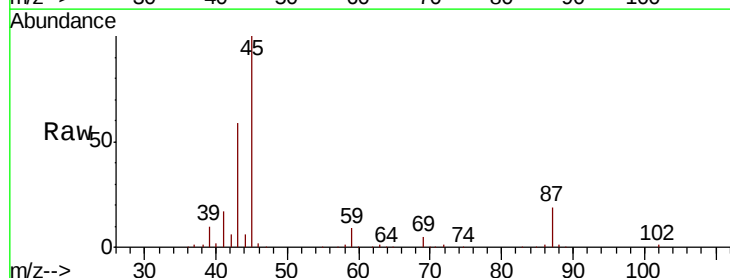
Ion Ratio Lower Upper

45 100

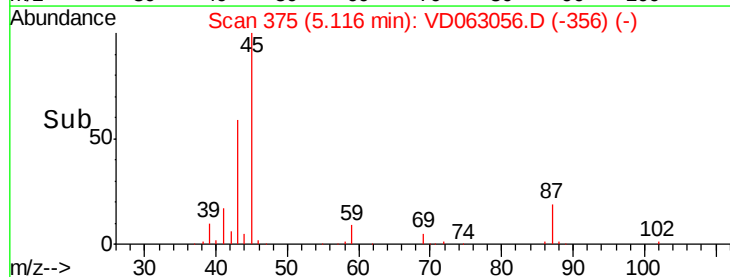
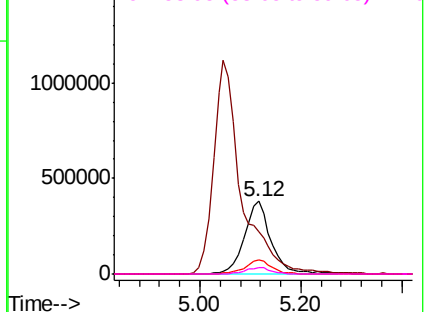
43 58.9 53.4 80.0

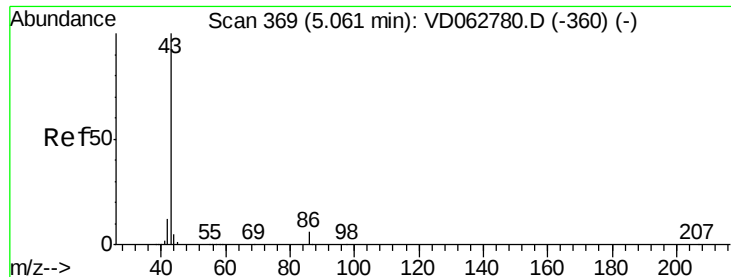
87 19.3 14.6 22.0

59 9.1 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 288.070 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

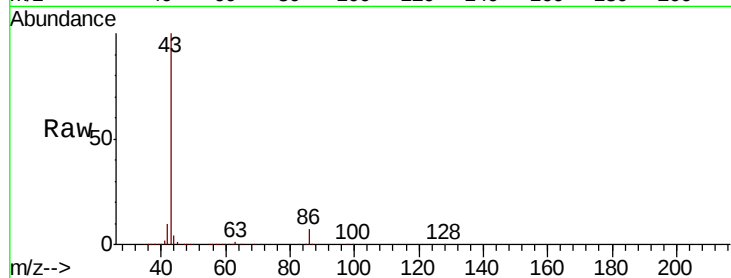
VSTDCCC050

Tot Ion: 43 Resp: 4239263

Ion Ratio Lower Upper

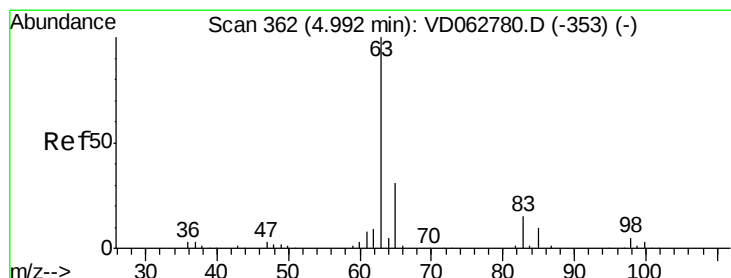
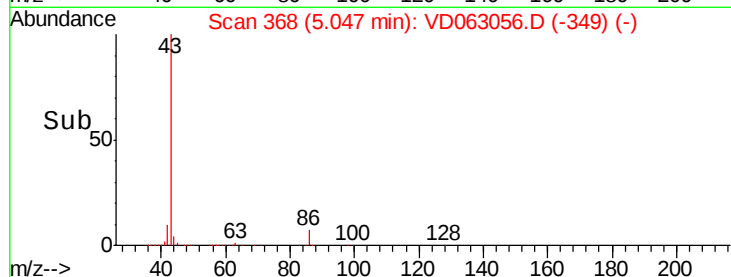
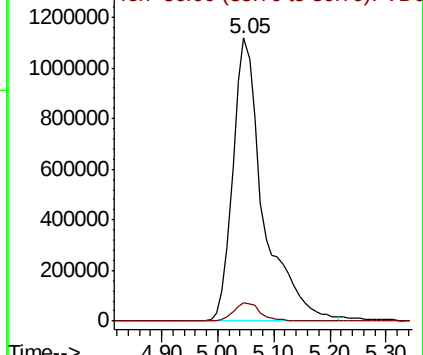
43 100

86 6.5 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.595 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

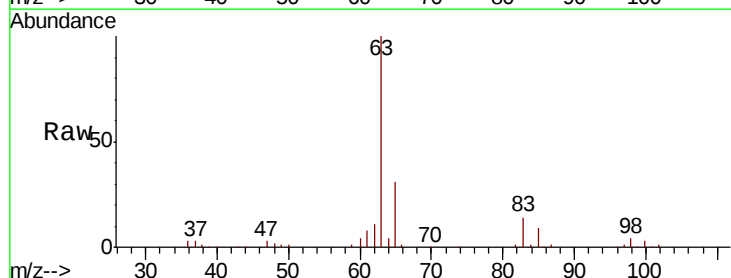
Tgt Ion: 63 Resp: 851263

Ion Ratio Lower Upper

63 100

98 3.8 2.3 6.9

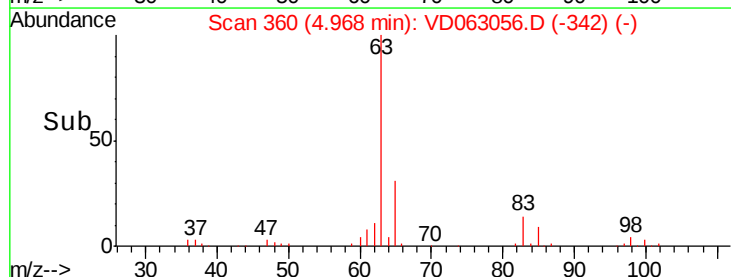
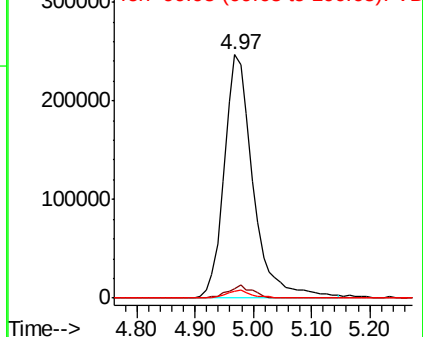
100 2.7 1.7 5.1

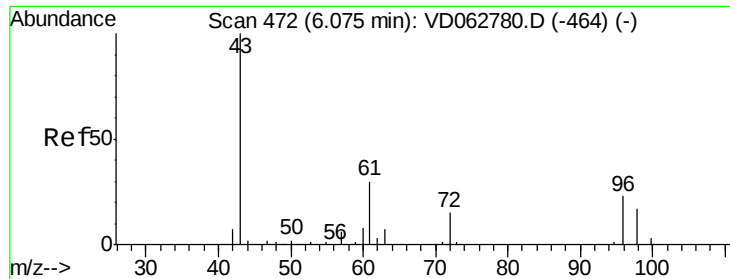


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 299.104 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

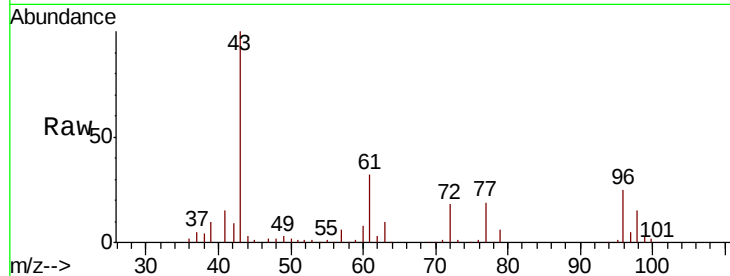
VSTDCCC050

Tot Ion: 43 Resp: 599649

Ion Ratio Lower Upper

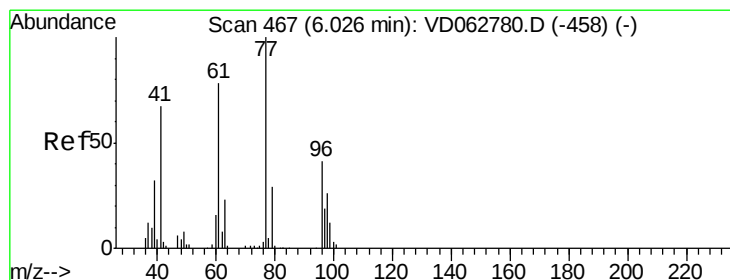
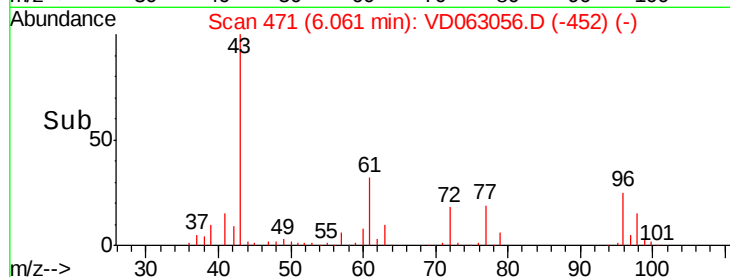
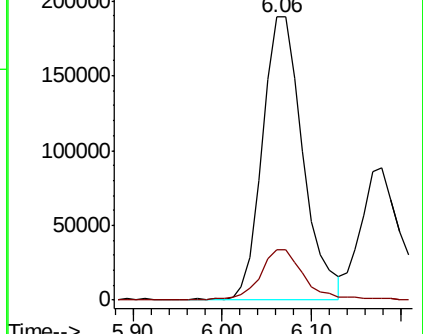
43 100

72 17.8 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.520 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063056.D

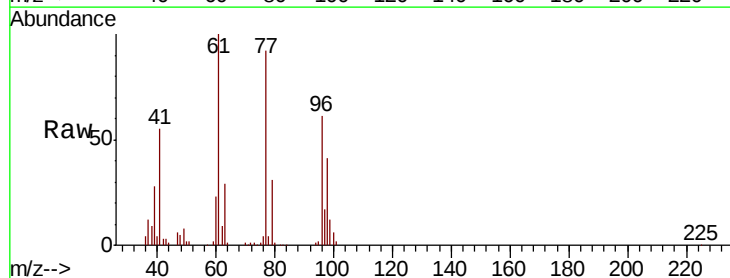
Acq: 10 Jul 2019 14:07

Tgt Ion: 77 Resp: 901073

Ion Ratio Lower Upper

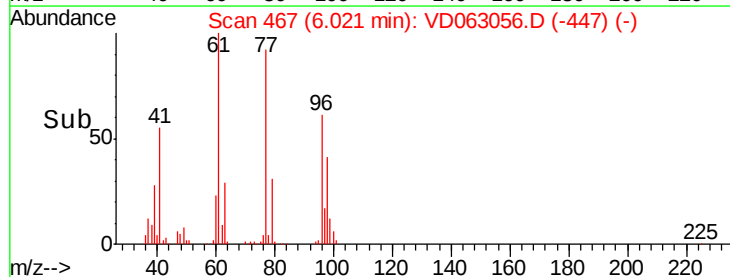
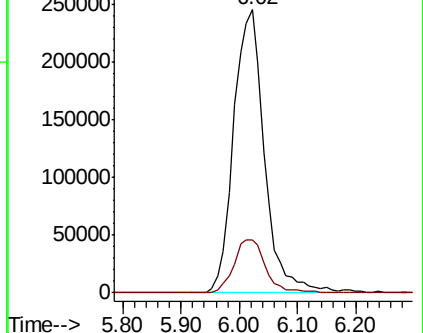
77 100

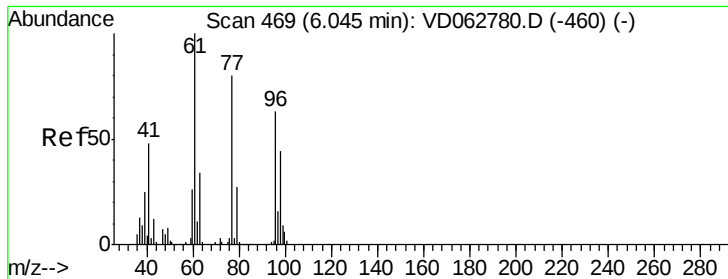
97 18.7 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



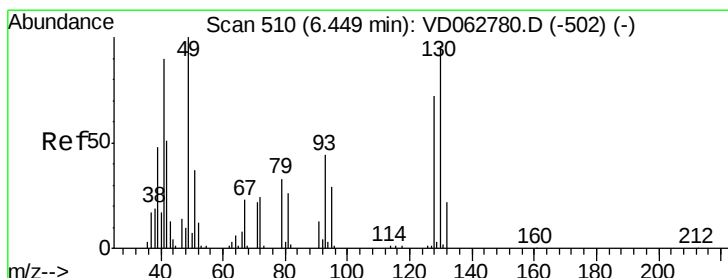
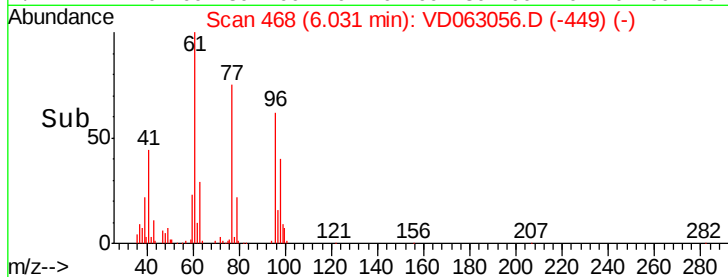
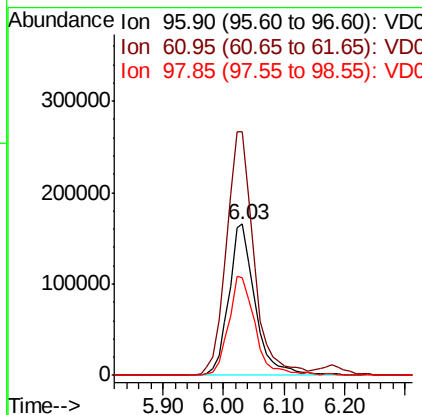
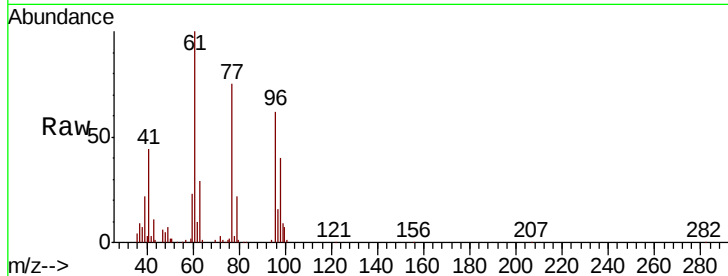


#27

cis-1,2-Dichloroethene
 Concen: 56.909 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

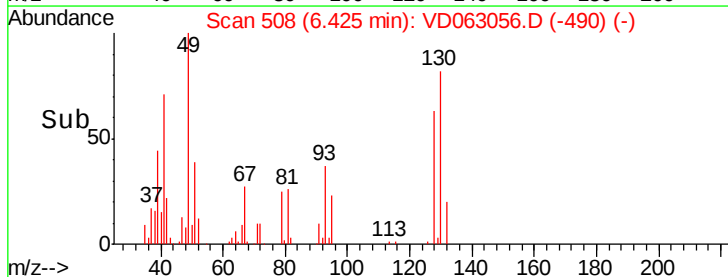
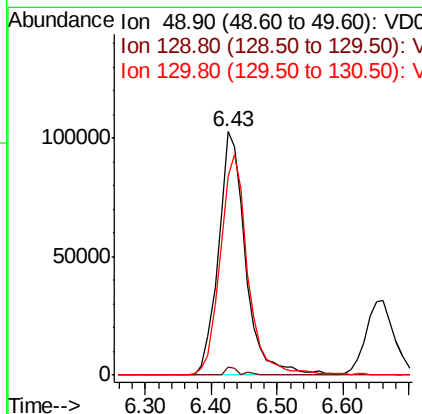
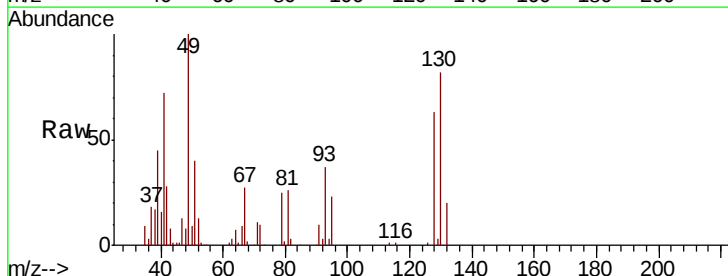
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	316.0
98	64.5	0.0	138.4

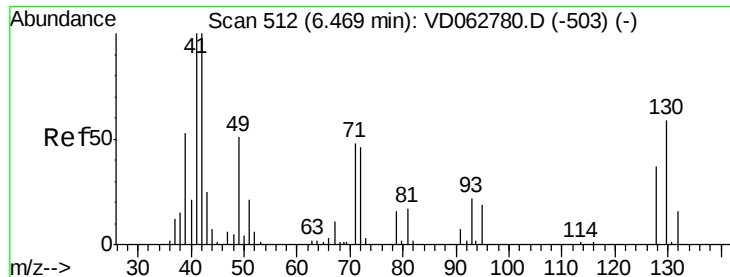


#28

Bromochloromethane
 Concen: 54.422 ug/l
 RT: 6.43 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.6
130	81.9	76.6	114.8





#29

Tetrahydrofuran

Concen: 272.767 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

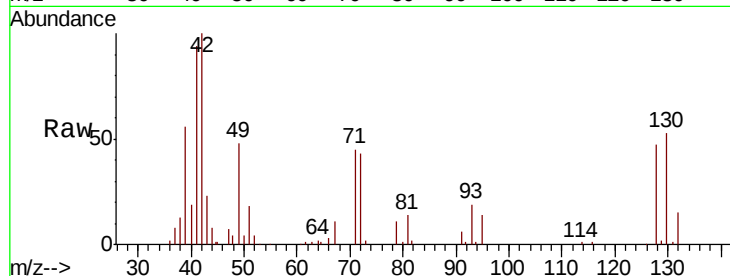
Tot Ion: 42 Resp: 258735

Ion Ratio Lower Upper

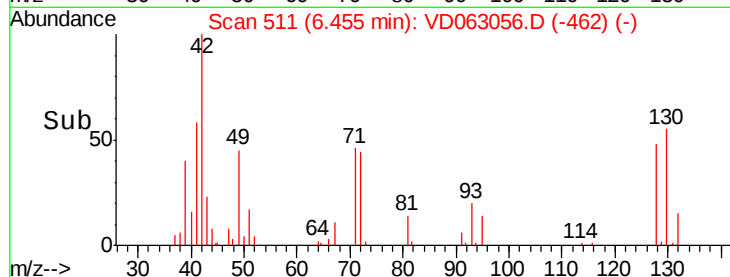
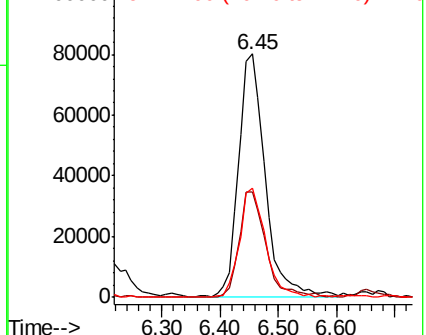
42 100

72 42.8 35.0 52.6

71 43.7 33.3 49.9



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: 55.099 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD063056.D

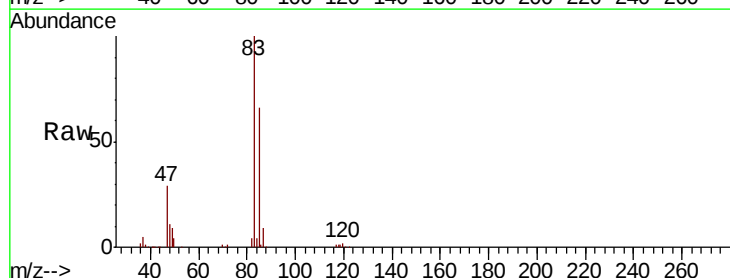
Acq: 10 Jul 2019 14:07

Tgt Ion: 83 Resp: 1026025

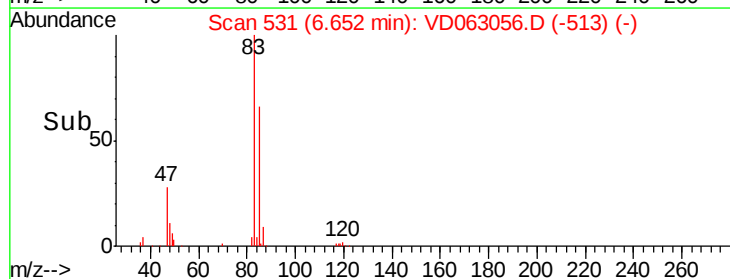
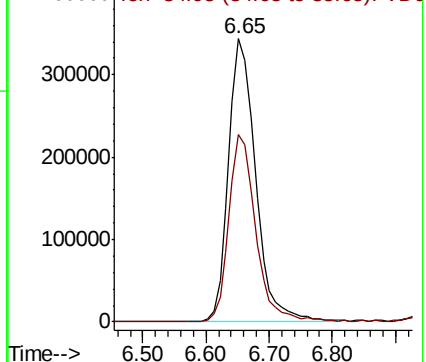
Ion Ratio Lower Upper

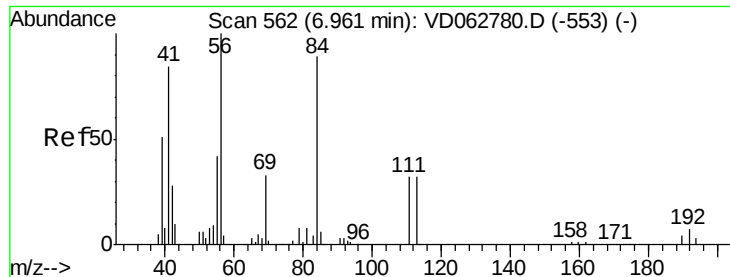
83 100

85 66.4 49.8 74.6



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

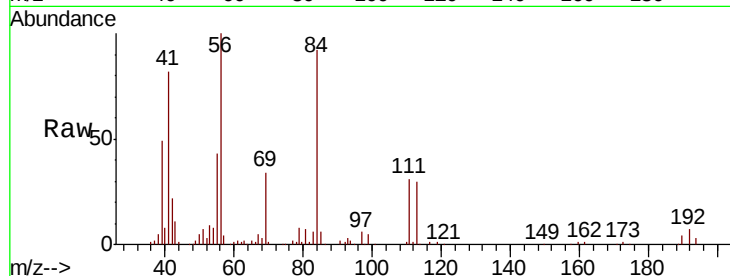




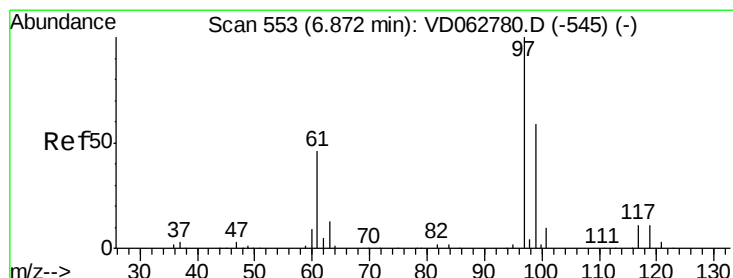
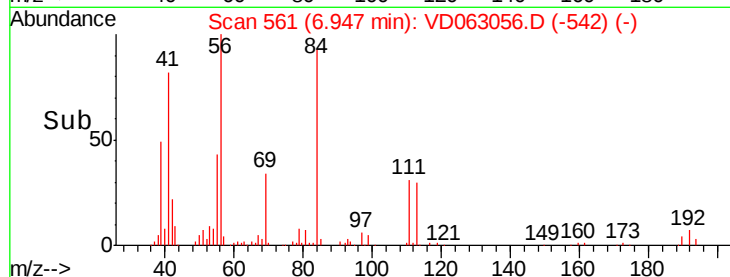
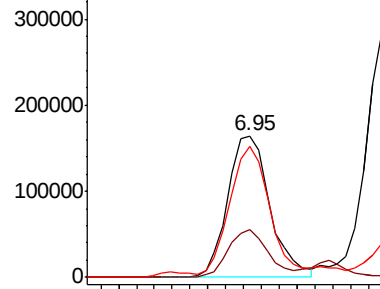
#31
Cyclohexane
Concen: 53.609 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 539635
Ion Ratio Lower Upper
56 100
69 33.7 26.6 39.8
84 92.4 75.5 113.3

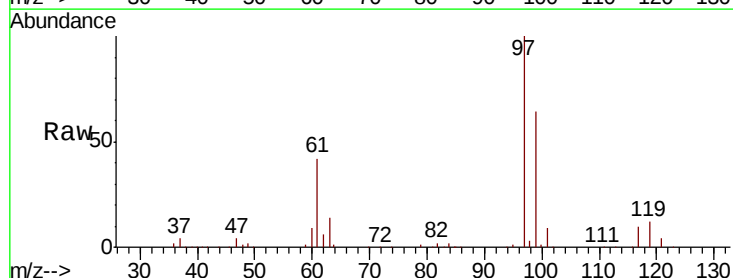


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

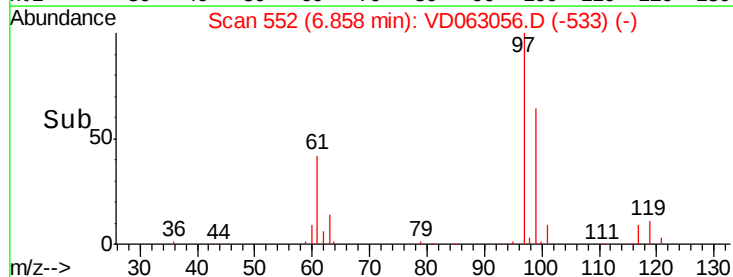
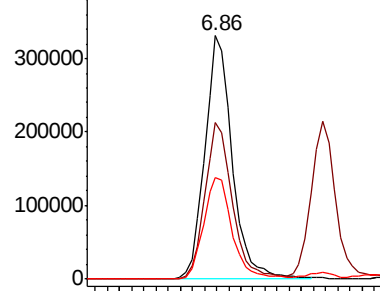


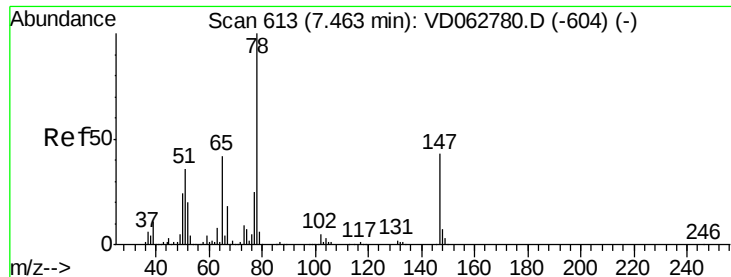
#32
1,1,1-Trichloroethane
Concen: 53.470 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 97 Resp: 1037081
Ion Ratio Lower Upper
97 100
99 64.2 47.4 71.2
61 41.9 37.2 55.8



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: 45.729 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

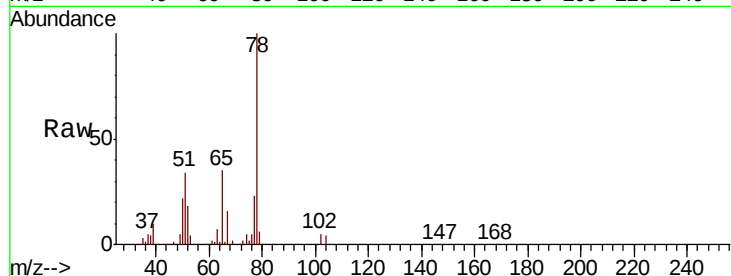
VSTDCCC050

Tot Ion: 65 Resp: 490176

Ion Ratio Lower Upper

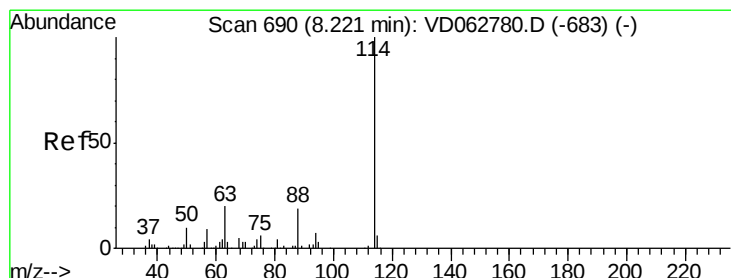
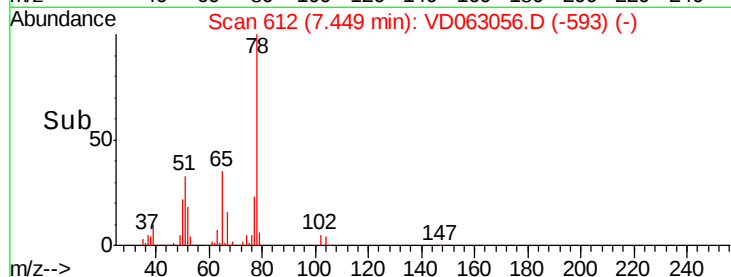
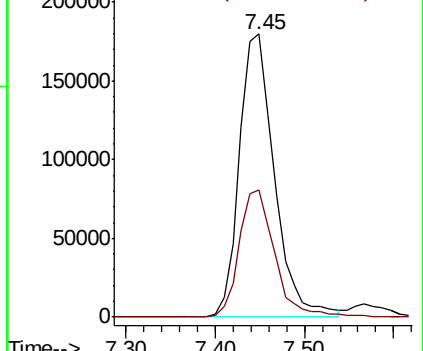
65 100

67 44.9 0.0 87.4



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: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

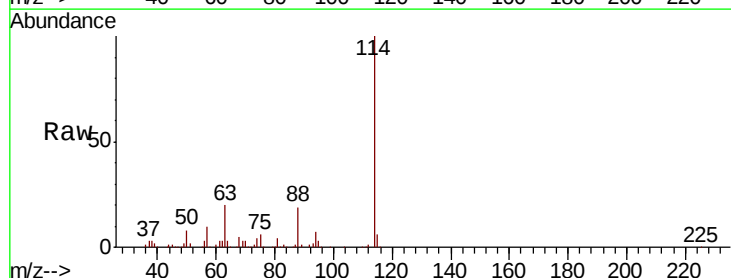
Tgt Ion: 114 Resp: 1366997

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

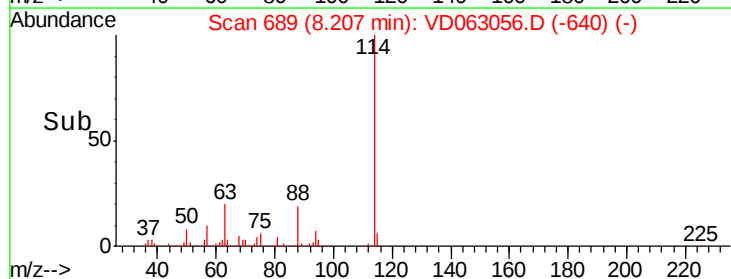
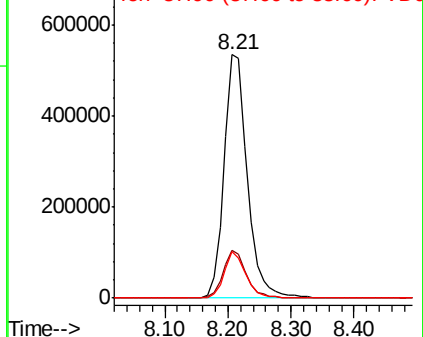
88 19.3 0.0 38.8

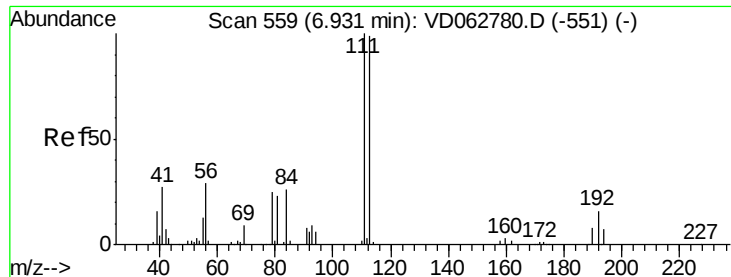


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

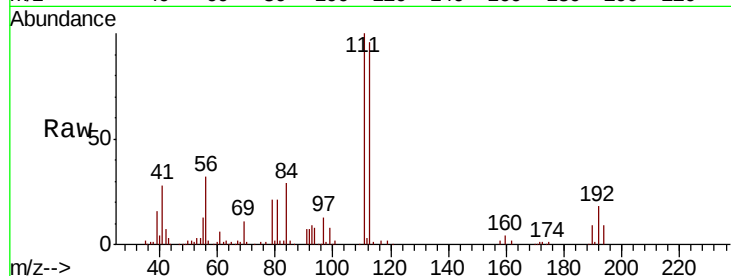




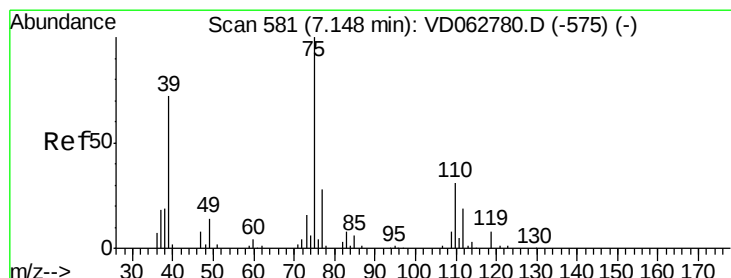
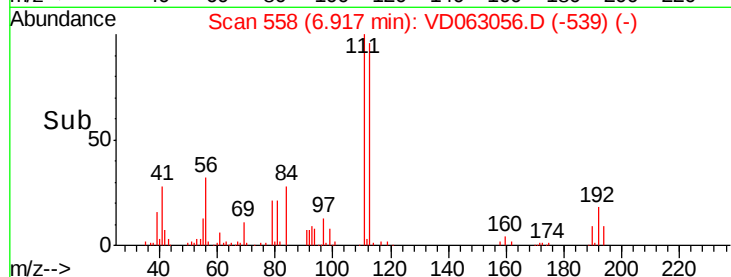
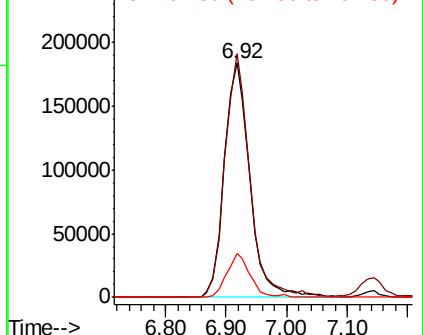
#35
Dibromofluoromethane
Concen: 46.920 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.2	121.8
192	18.6	12.9	19.3

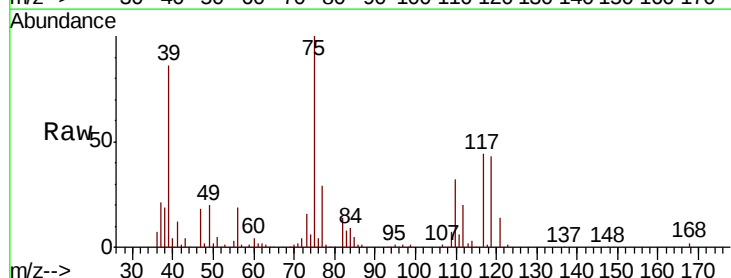


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

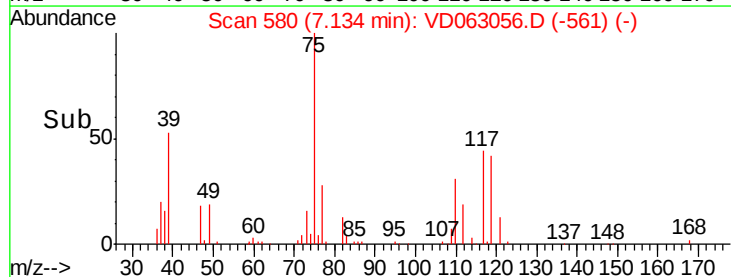
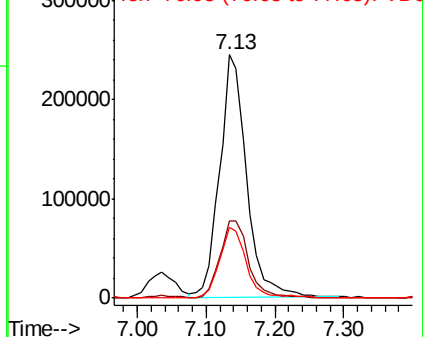


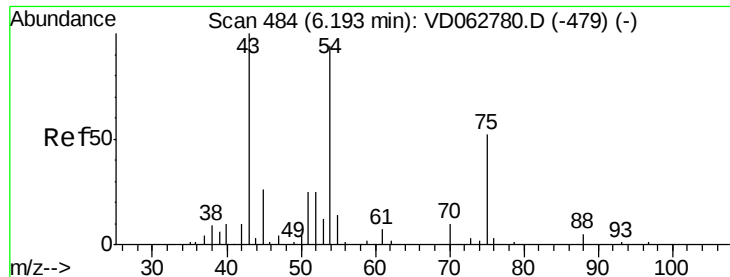
#36
1,1-Dichloropropene
Concen: 51.098 ug/l
RT: 7.13 min Scan# 580
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.0	45.1
77	29.1	22.2	33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 52.661 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

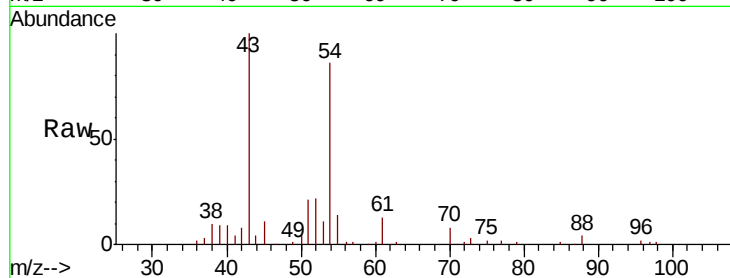
Tot Ion: 43 Resp: 285944

Ion Ratio Lower Upper

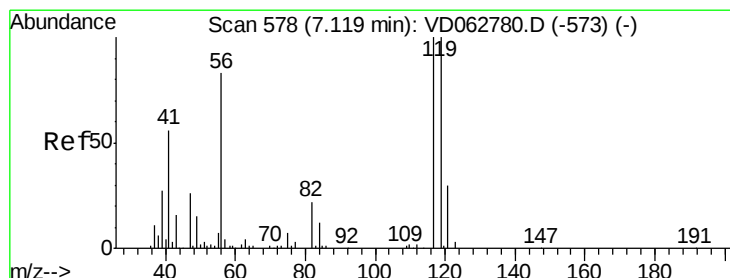
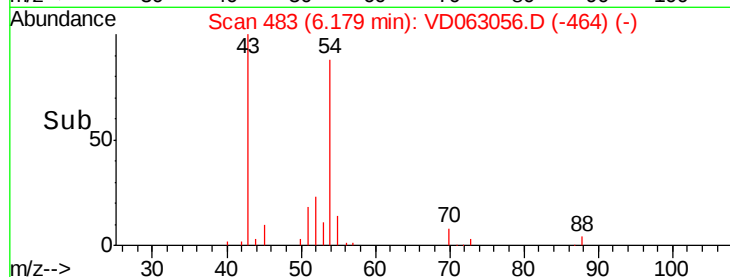
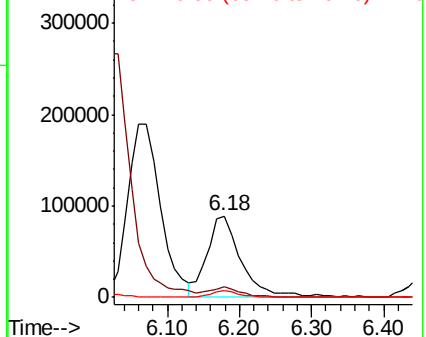
43 100

61 13.1 11.6 17.4

70 8.3 6.4 9.6



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: 54.822 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

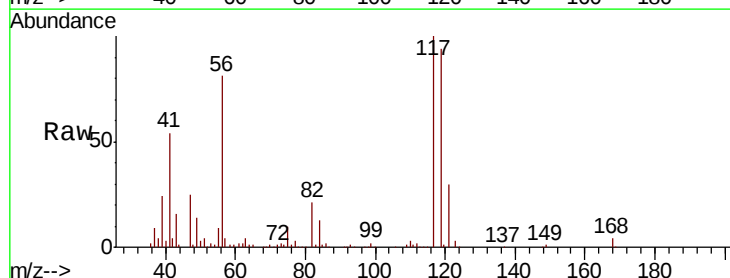
Tgt Ion: 117 Resp: 1066953

Ion Ratio Lower Upper

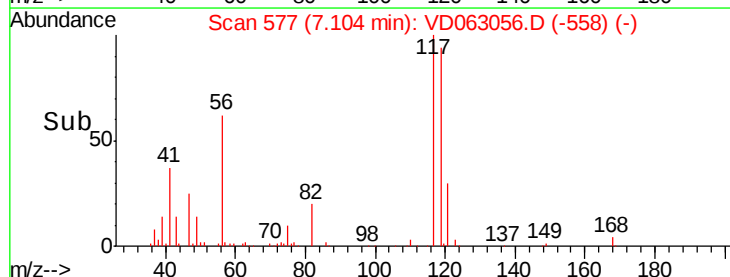
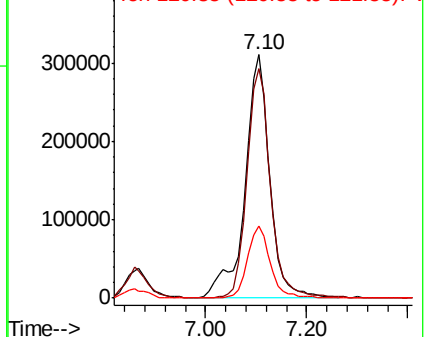
117 100

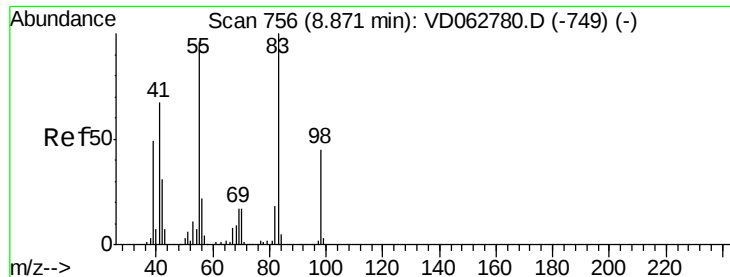
119 94.1 75.4 113.2

121 29.6 22.3 33.5



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

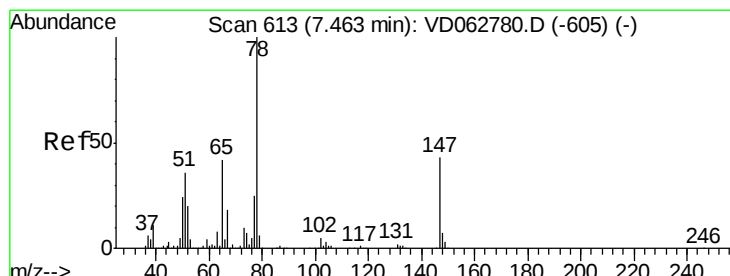
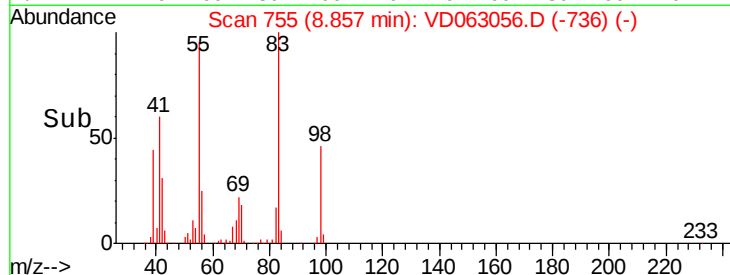
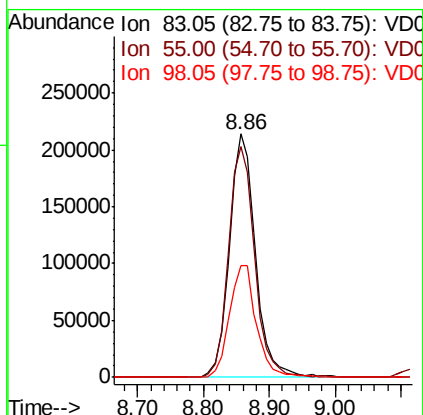
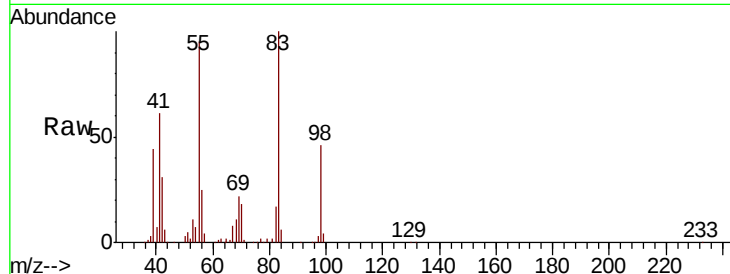




#39
Methvlcvclohexane
Concen: 52.172 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

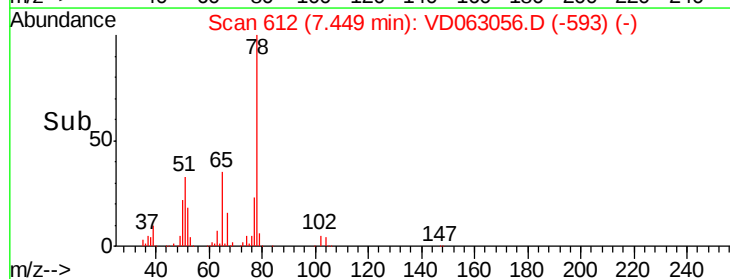
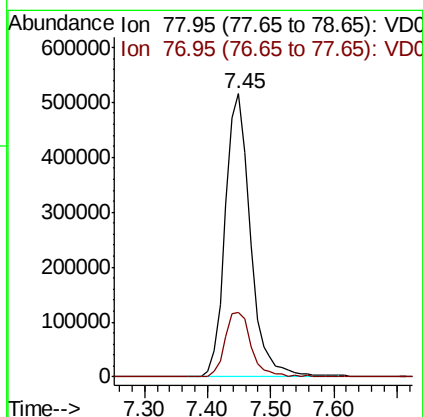
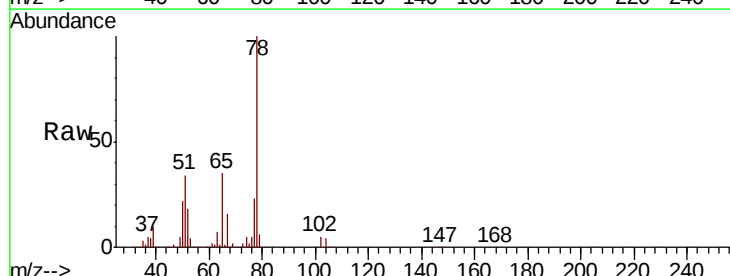
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

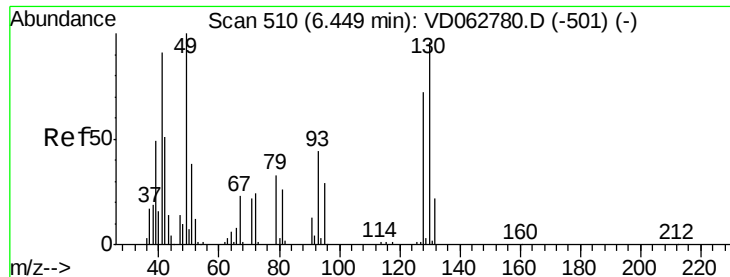
Tot Ion: 83 Resp: 594281
Ion Ratio Lower Upper
83 100
55 95.0 76.6 115.0
98 45.8 35.7 53.5



#40
Benzene
Concen: 55.057 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 78 Resp: 1430151
Ion Ratio Lower Upper
78 100
77 22.9 20.2 30.2





#41

Methacrylonitrile

Concen: 51.410 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 350837

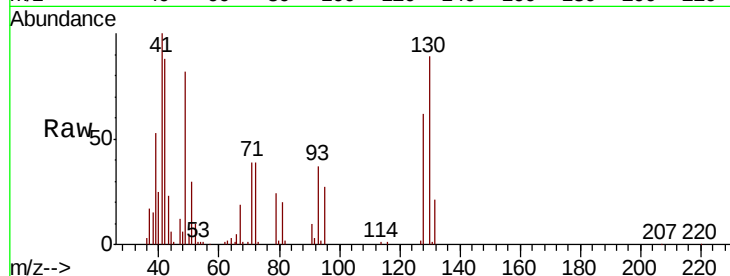
Ion Ratio Lower Upper

41 100

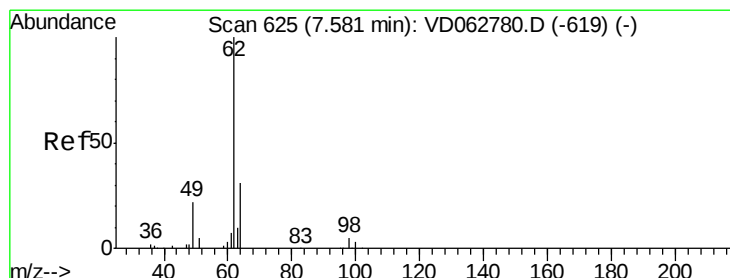
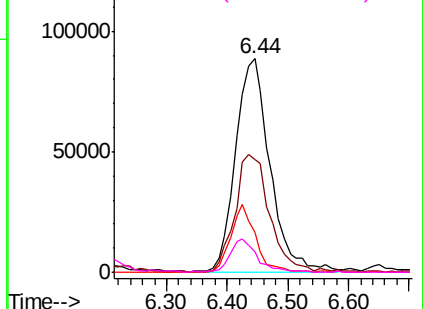
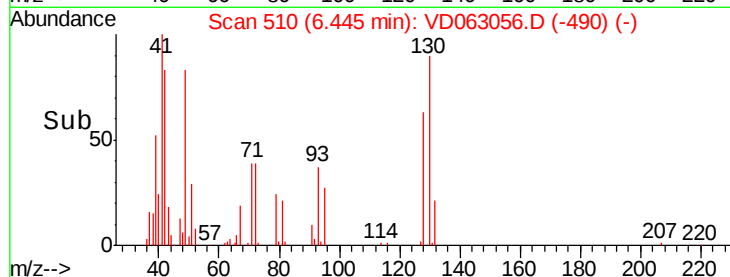
39 52.7 43.2 64.8

67 18.9 19.9 29.9#

52 9.7 10.2 15.4#



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: 50.962 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD063056.D

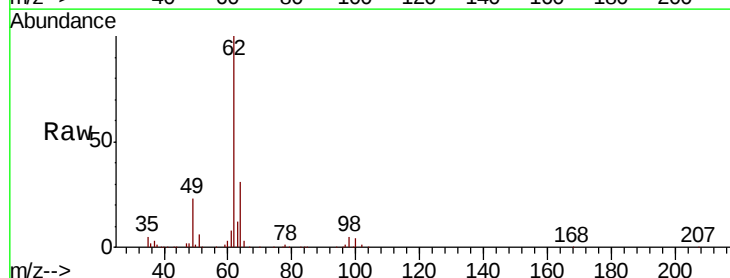
Acq: 10 Jul 2019 14:07

Tgt Ion: 62 Resp: 722145

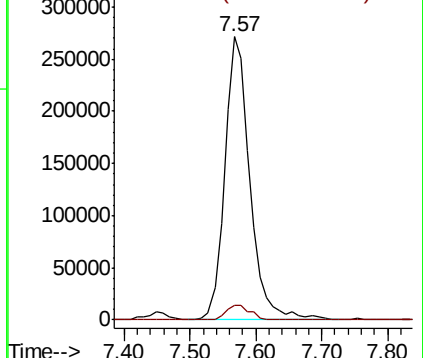
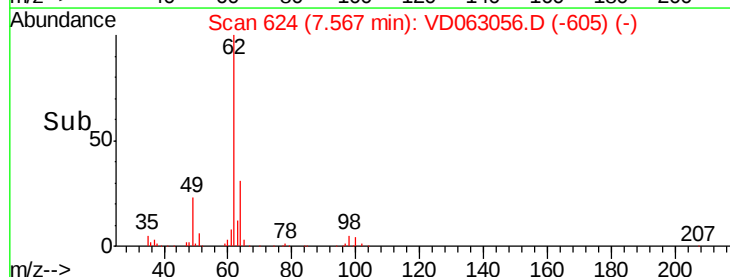
Ion Ratio Lower Upper

62 100

98 5.2 0.0 10.0



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





#43

Isopropyl Acetate

Concen: 57.627 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

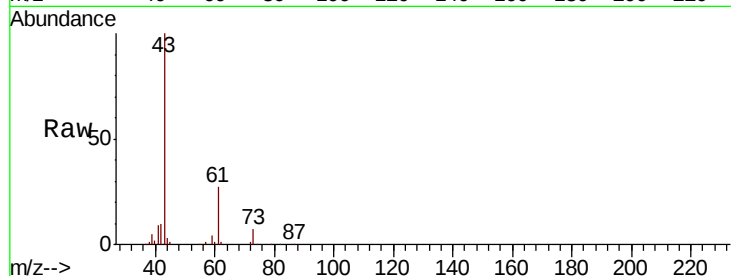
Tot Ion: 43 Resp: 390957

Ion Ratio Lower Upper

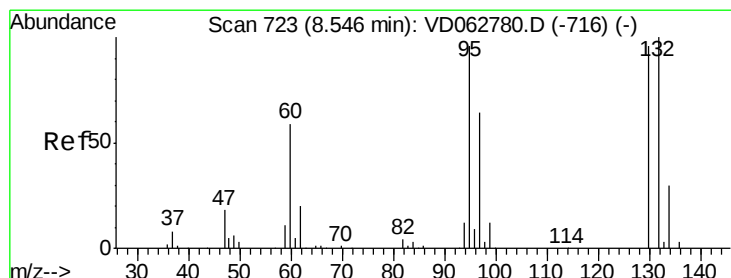
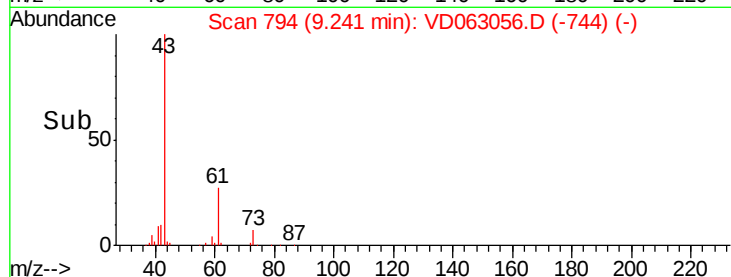
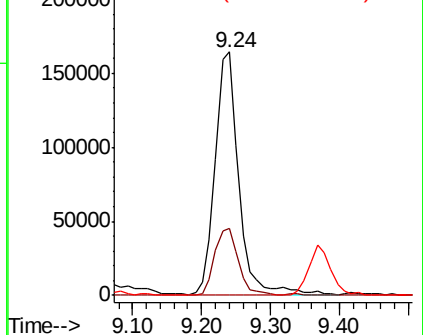
43 100

61 27.4 22.4 33.6

87 0.3 0.3 0.5#



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



#44

Trichloroethene

Concen: 54.177 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD063056.D

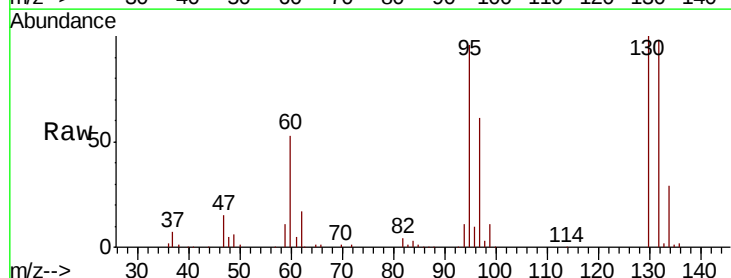
Acq: 10 Jul 2019 14:07

Tgt Ion:130 Resp: 551719

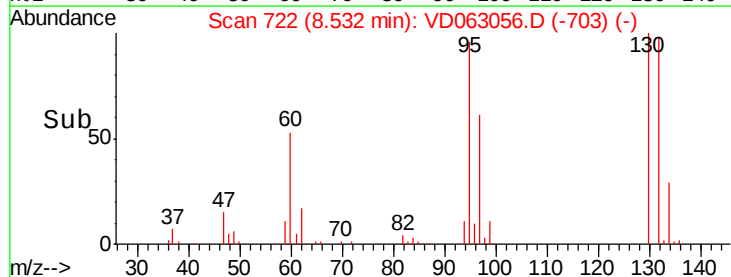
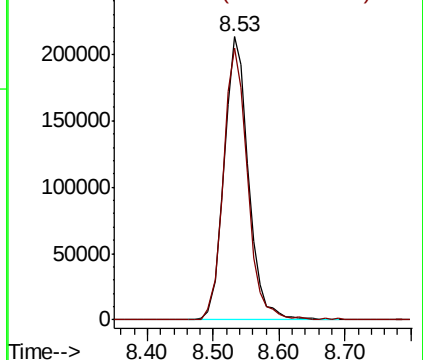
Ion Ratio Lower Upper

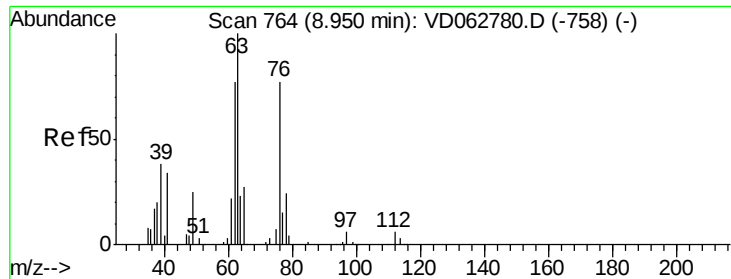
130 100

95 96.2 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 55.796 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

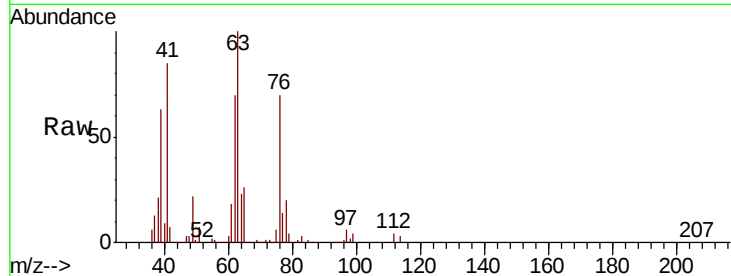
VSTDCCC050

Tot Ion: 63 Resp: 360389

Ion Ratio Lower Upper

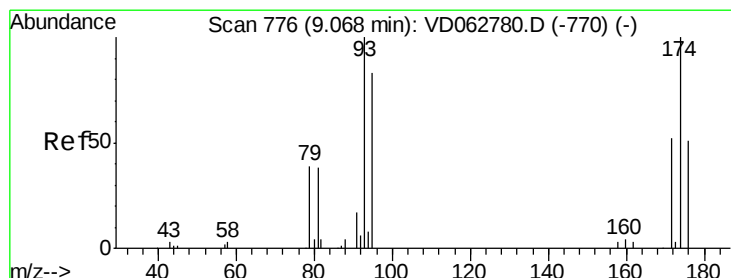
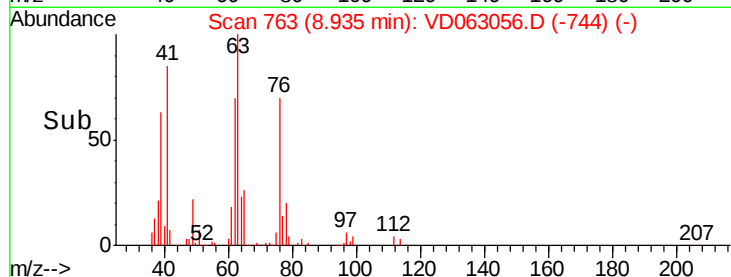
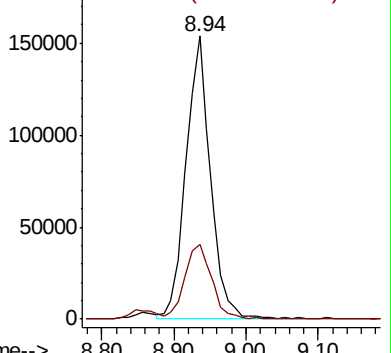
63 100

65 26.5 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.525 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

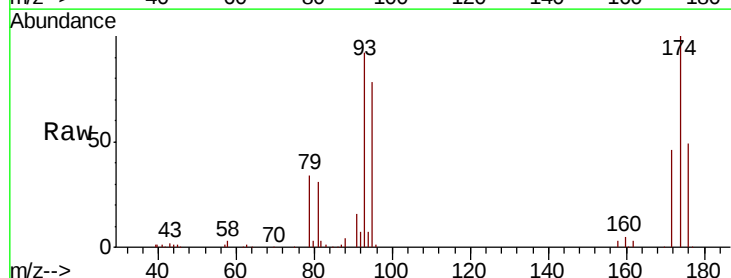
Tgt Ion: 93 Resp: 291429

Ion Ratio Lower Upper

93 100

95 85.5 66.6 100.0

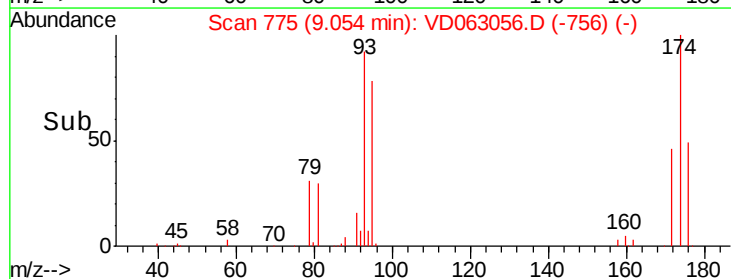
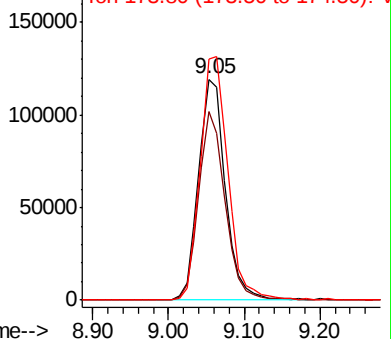
174 109.3 79.7 119.5

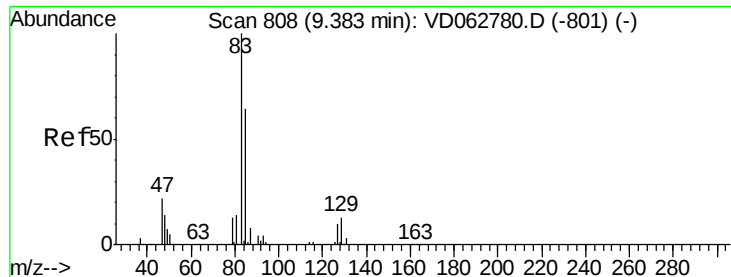


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 53.250 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

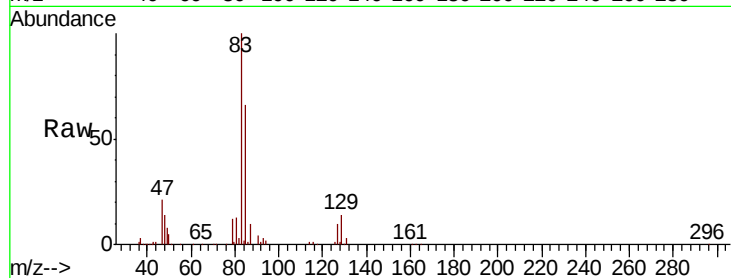
Tot Ion: 83 Resp: 767322

Ion Ratio Lower Upper

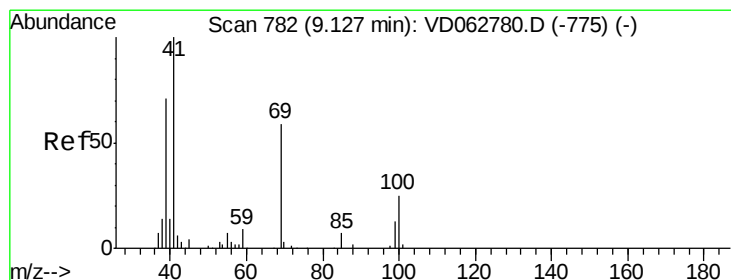
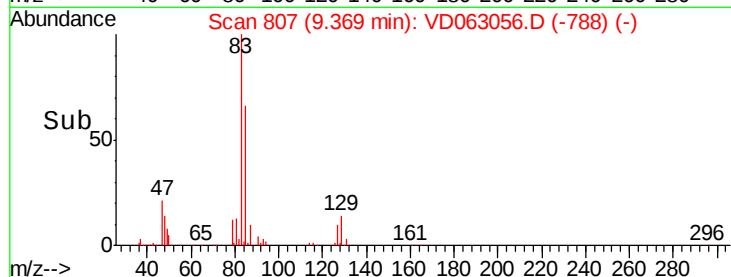
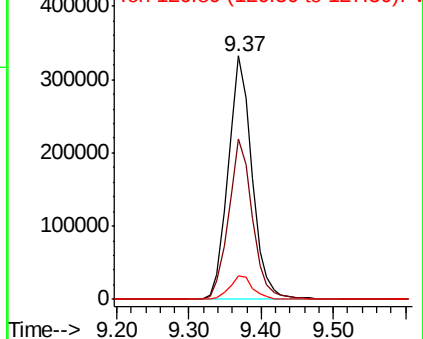
83 100

85 66.1 51.6 77.4

127 9.5 7.8 11.6



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: 54.649 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

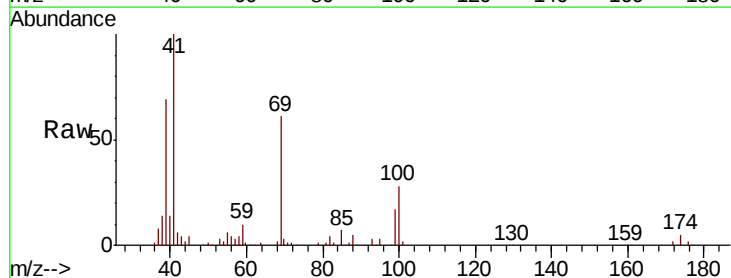
Tgt Ion: 41 Resp: 263472

Ion Ratio Lower Upper

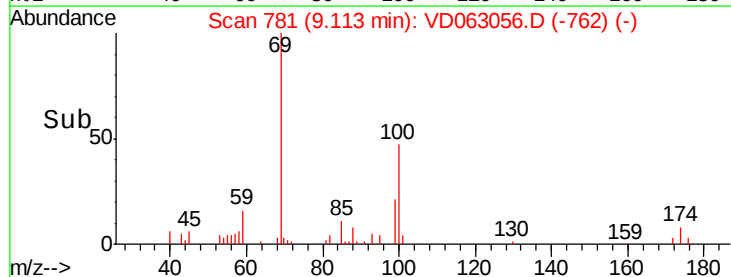
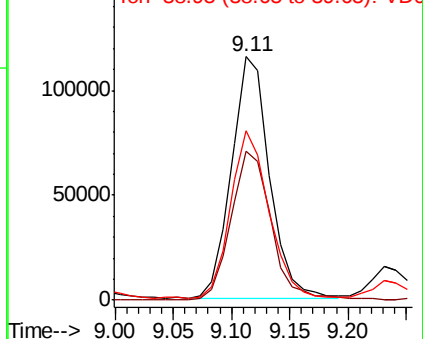
41 100

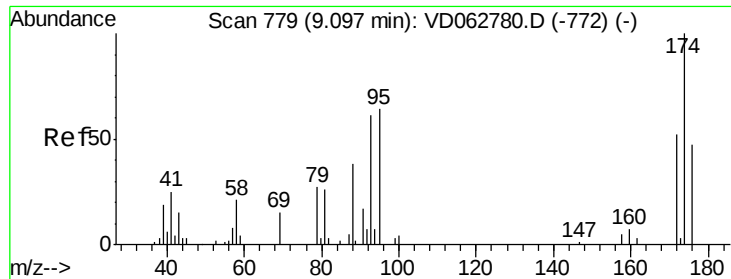
69 61.3 47.2 70.8

39 69.3 57.4 86.2



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

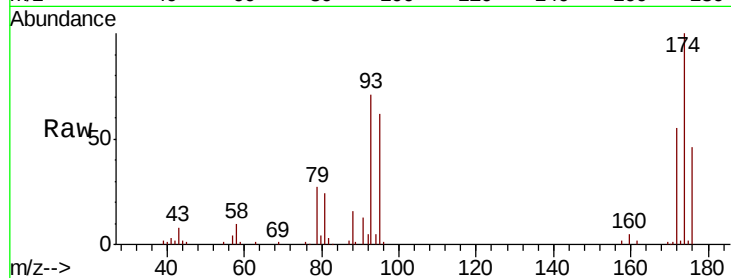




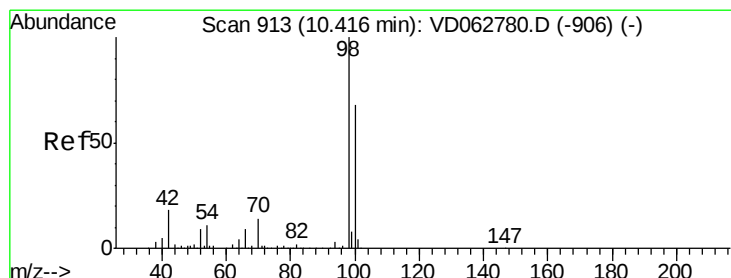
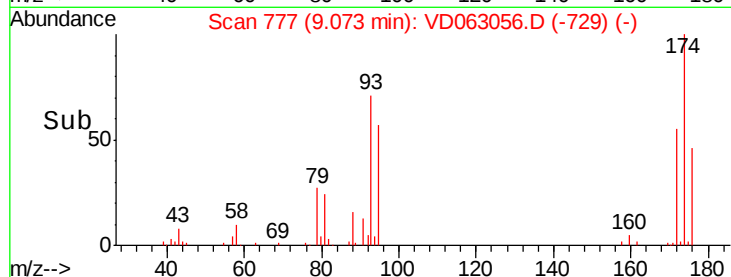
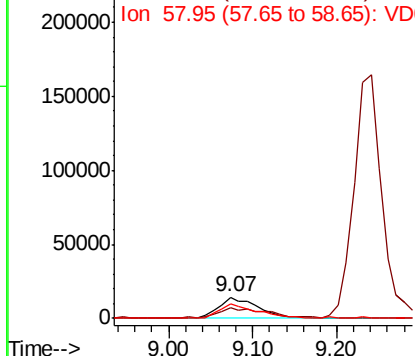
#49
1,4-Dioxane
Concen: 1153.624 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 46272
Ion Ratio Lower Upper
88 100
43 51.7 32.1 48.1#
58 66.0 44.1 66.1

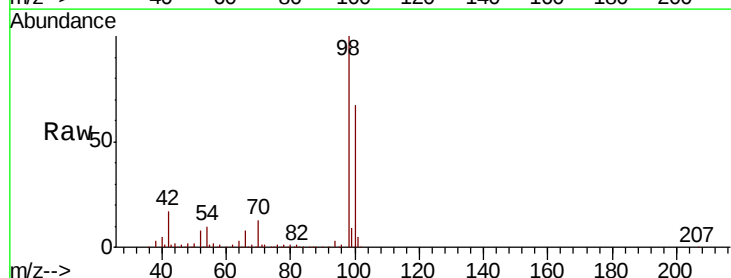


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

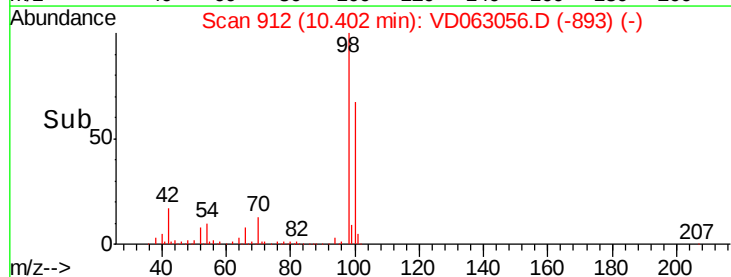
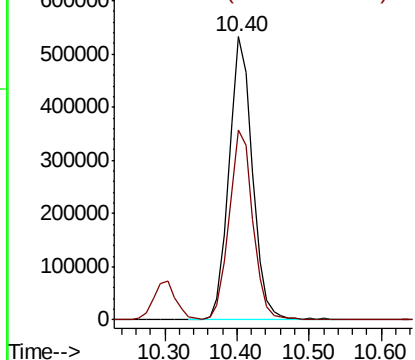


#50
Toluene-d8
Concen: 48.148 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 98 Resp: 1207892
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 283.873 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

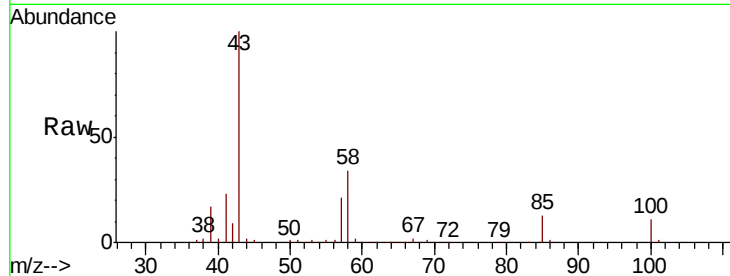
VSTDCCC050

Tot Ion: 43 Resp: 1365435

Ion Ratio Lower Upper

43 100

58 34.5 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

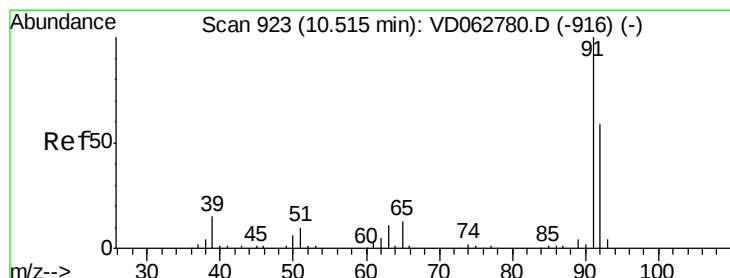
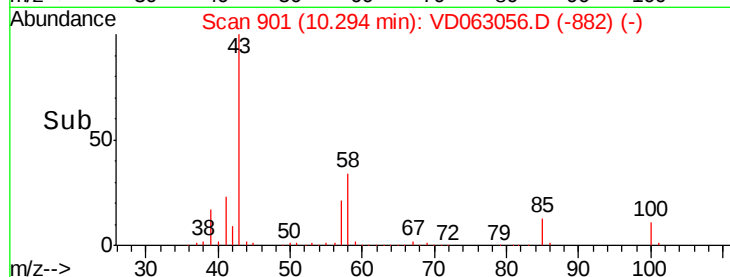
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 56.831 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD063056.D

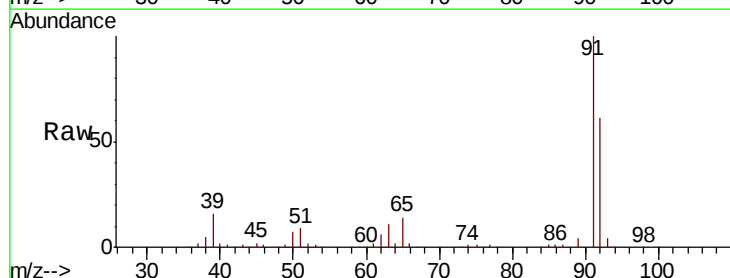
Acq: 10 Jul 2019 14:07

Tgt Ion: 92 Resp: 992326

Ion Ratio Lower Upper

92 100

91 162.8 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

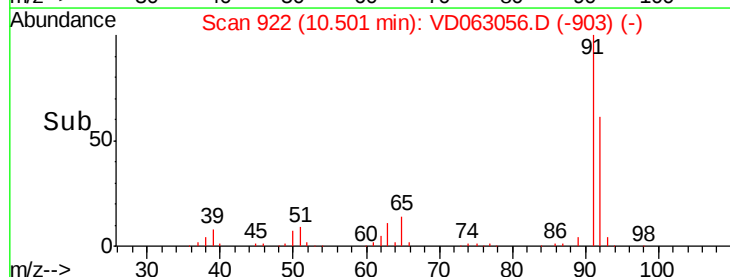
600000

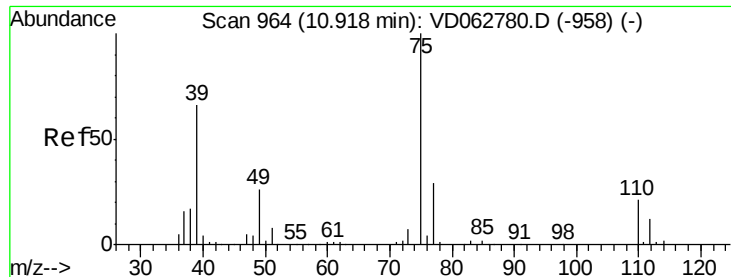
400000

200000

0

Time-->

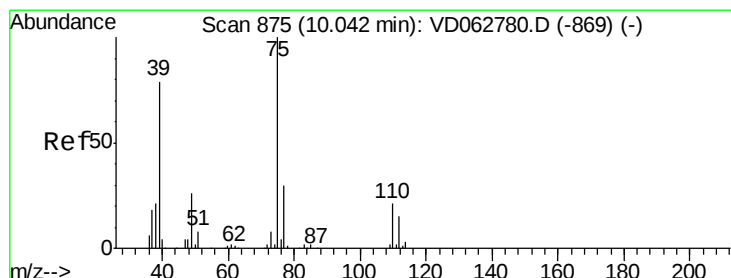
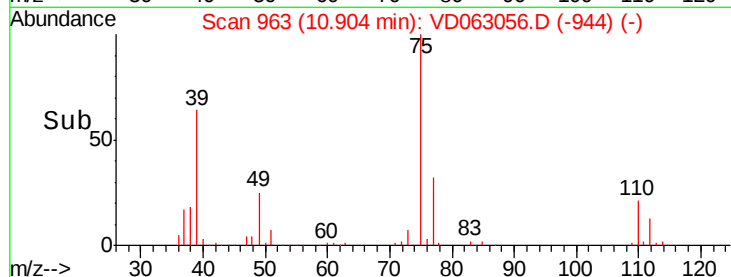
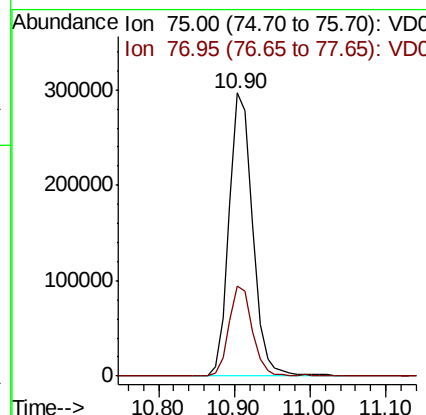
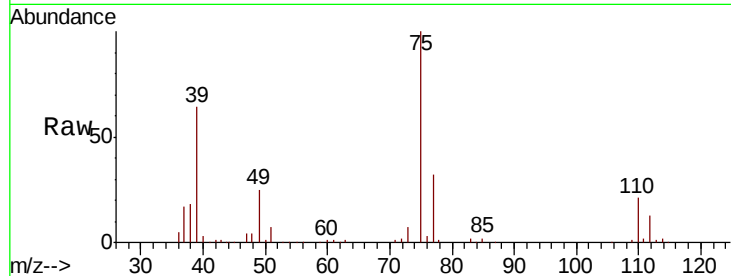




#53
 t-1,3-Dichloropropene
 Concen: 54.112 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

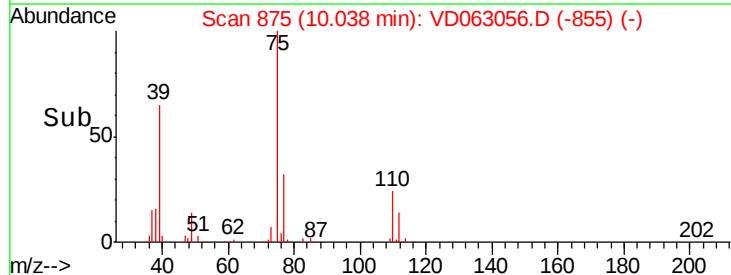
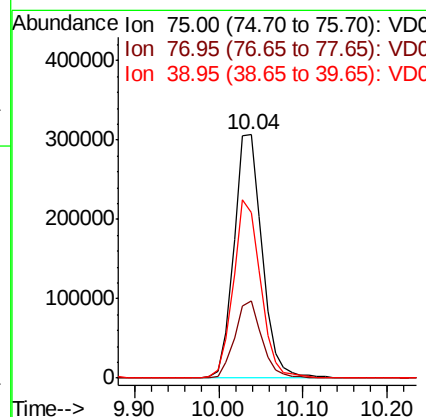
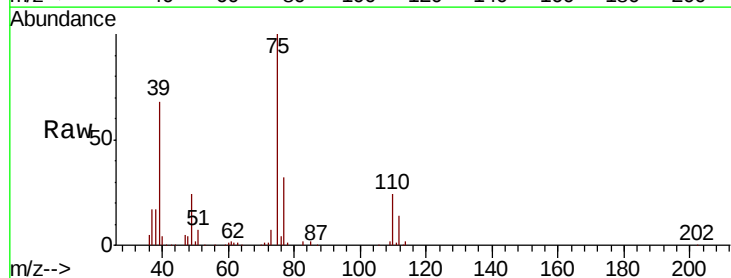
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

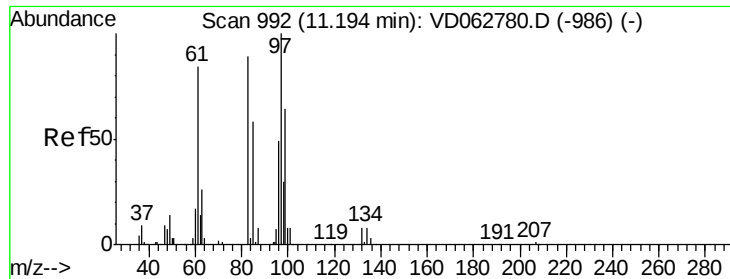
Tot Ion: 75 Resp: 638204
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.633 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion: 75 Resp: 713170
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.2 36.2
 39 68.0 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 55.911 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 335404

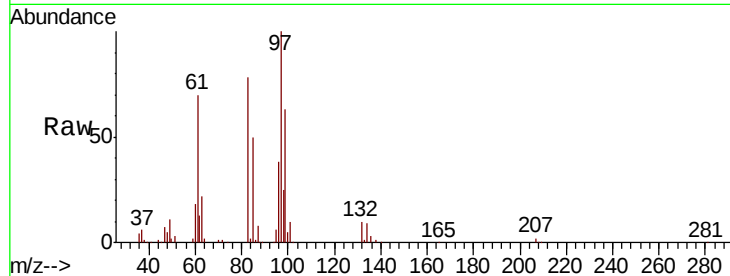
Ion Ratio Lower Upper

97 100

83 78.3 71.0 106.4

85 49.7 46.6 69.8

99 63.5 51.4 77.0

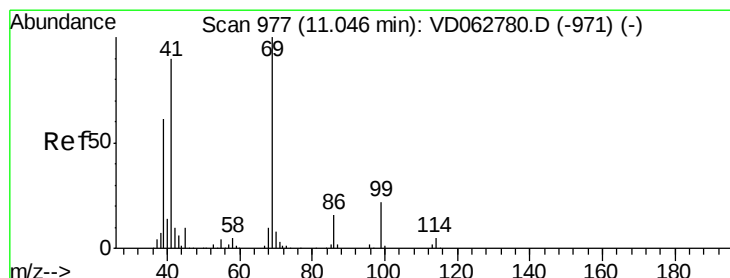
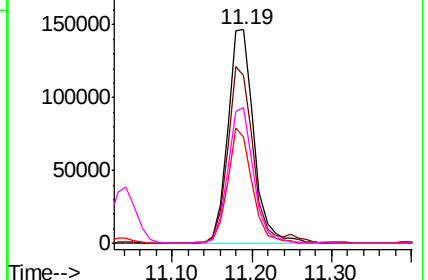
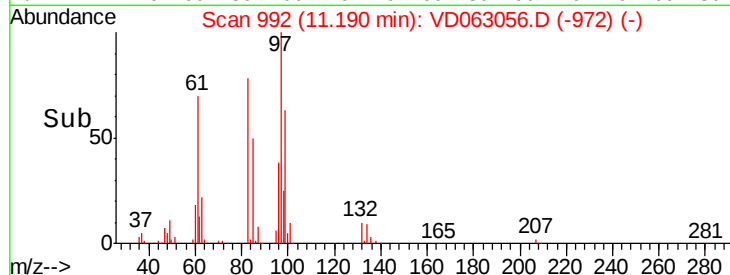


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.585 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

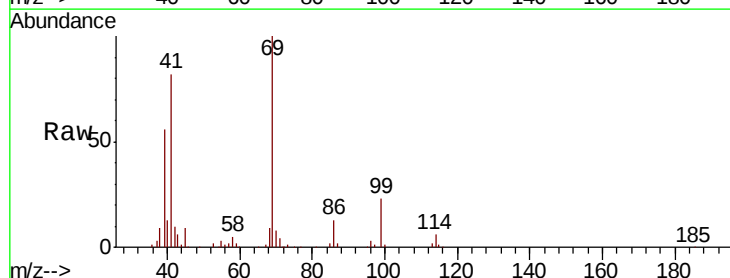
Tgt Ion: 69 Resp: 356356

Ion Ratio Lower Upper

69 100

41 81.6 72.0 108.0

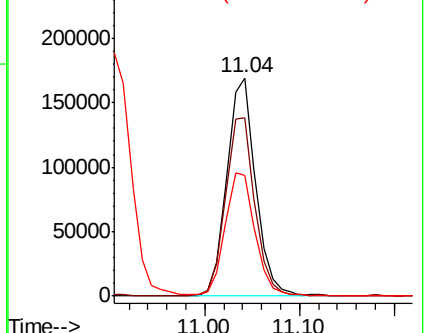
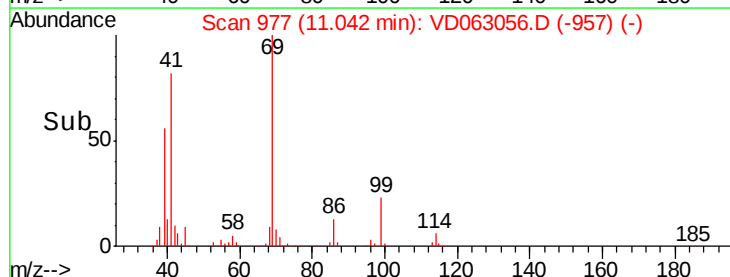
39 55.5 49.5 74.3

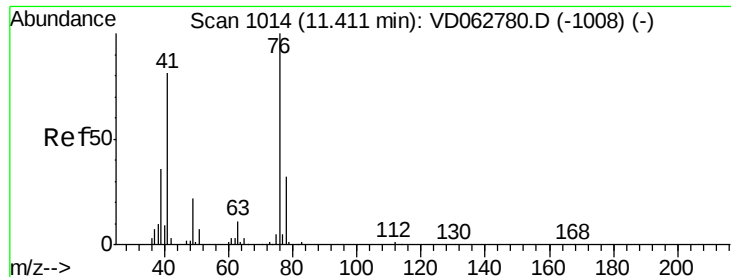


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

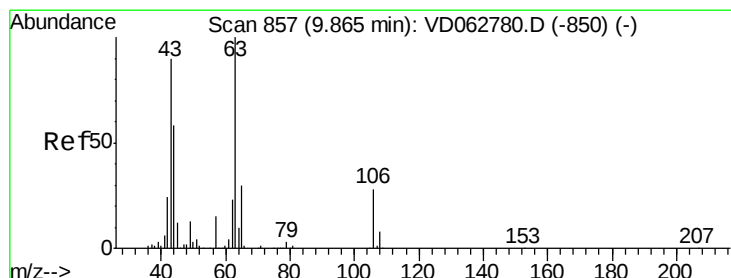
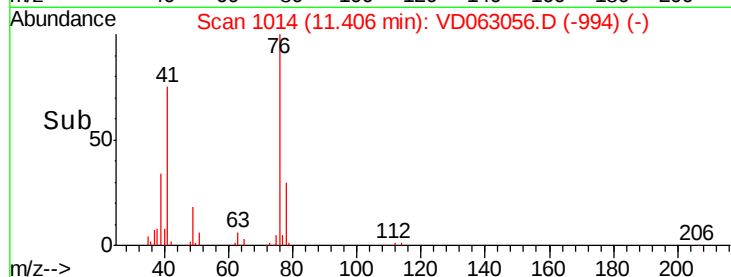
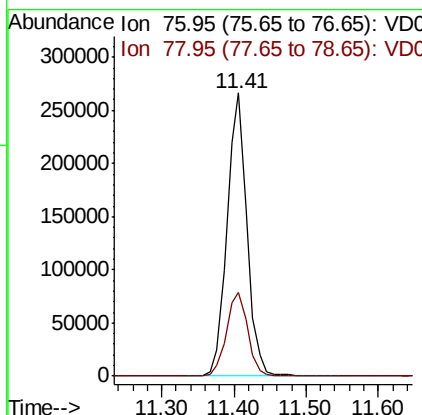
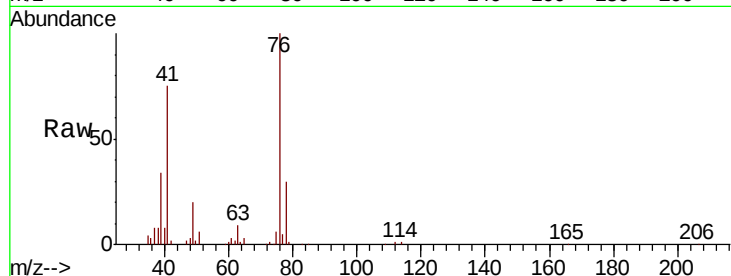




#57
 1,3-Dichloropropane
 Concen: 55.406 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

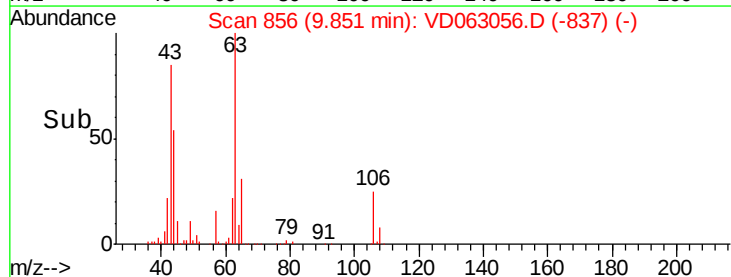
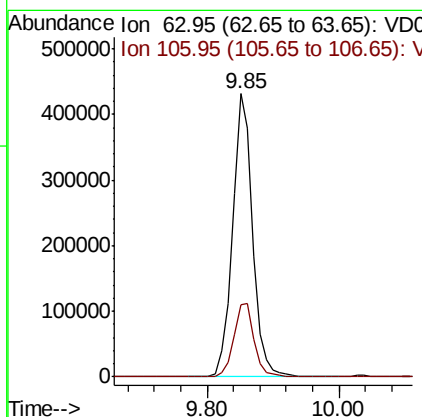
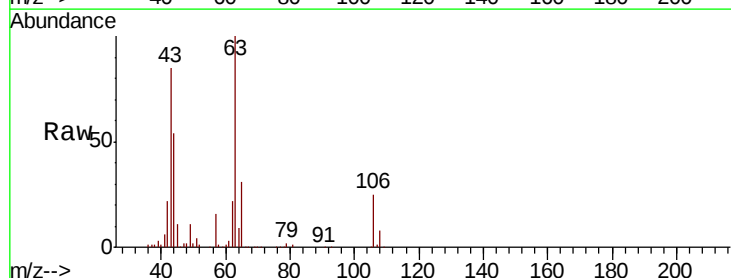
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

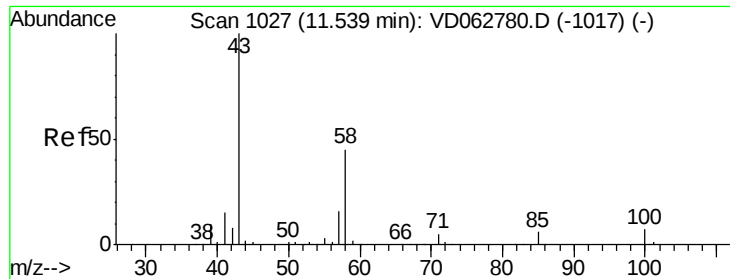
Tot Ion: 76 Resp: 508916
 Ion Ratio Lower Upper
 76 100
 78 29.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.652 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion: 63 Resp: 917123
 Ion Ratio Lower Upper
 63 100
 106 25.4 22.1 33.1

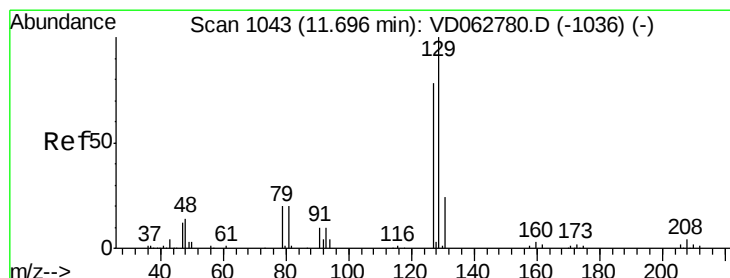
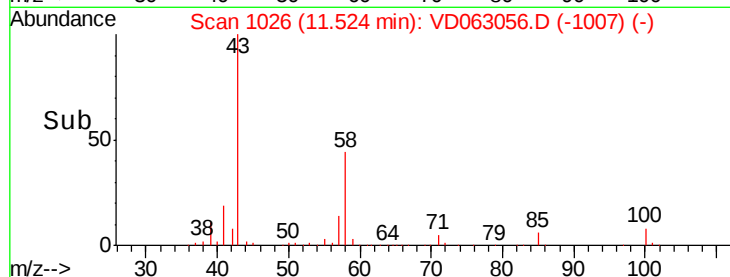
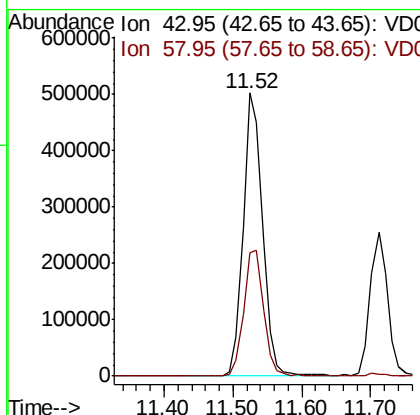
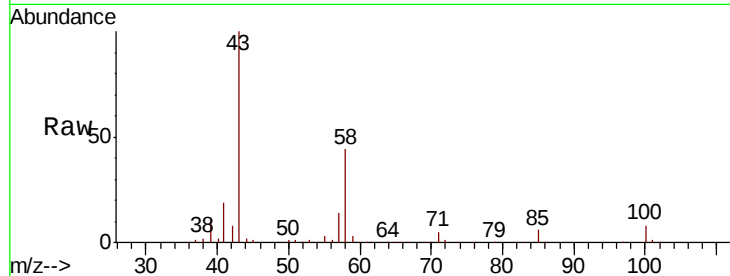




#59
2-Hexanone
Concen: 286.205 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

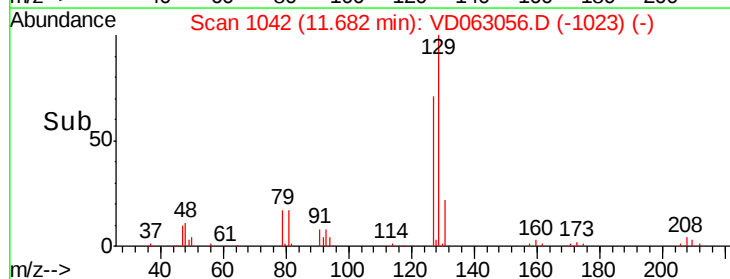
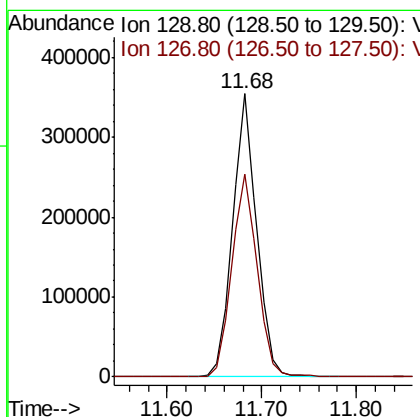
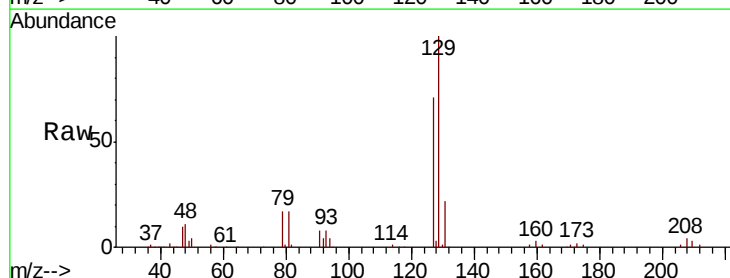
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

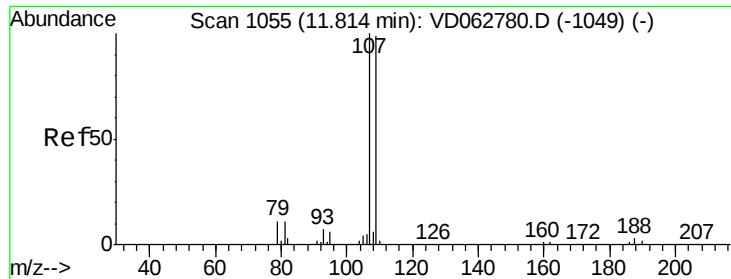
Tot Ion: 43 Resp: 980439
Ion Ratio Lower Upper
43 100
58 43.6 22.4 67.2



#60
Dibromochloromethane
Concen: 55.684 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 129 Resp: 622202
Ion Ratio Lower Upper
129 100
127 71.5 38.9 116.6

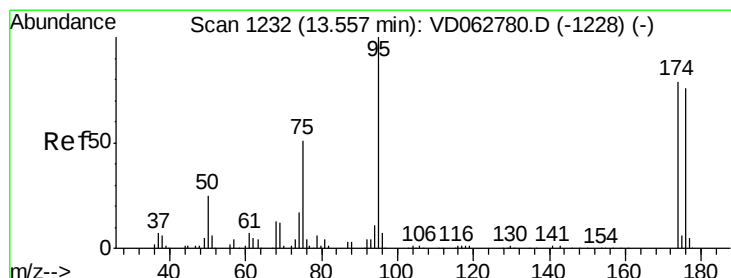
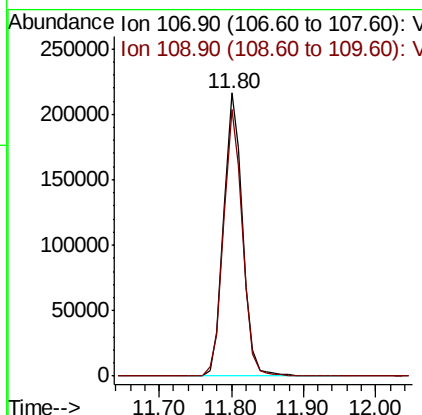
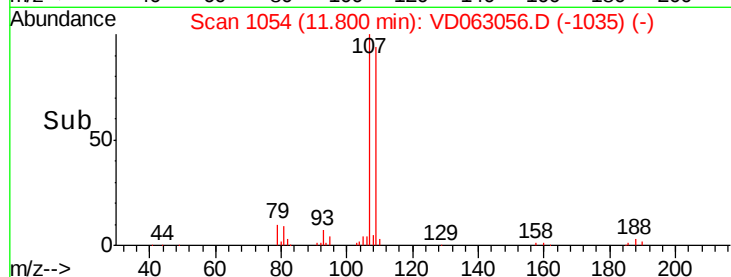
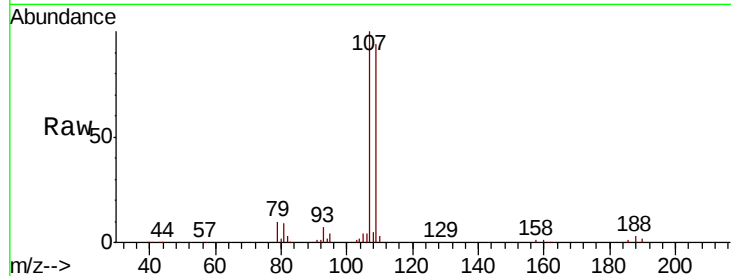




#61
 1,2-Dibromoethane
 Concen: 55.173 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

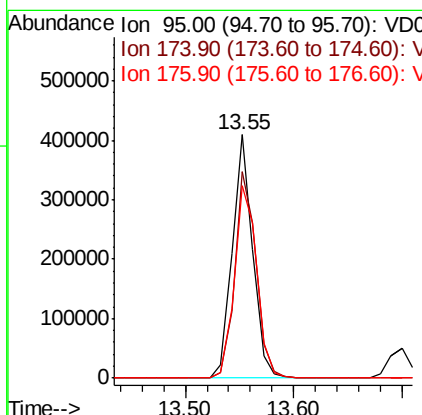
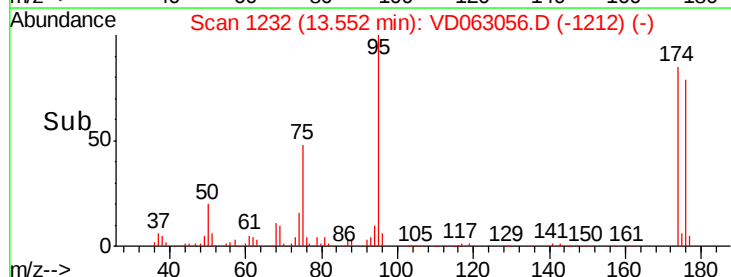
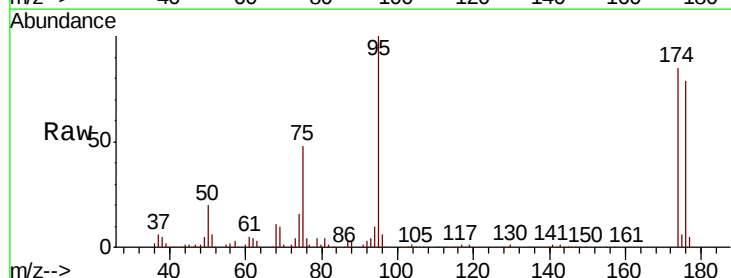
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

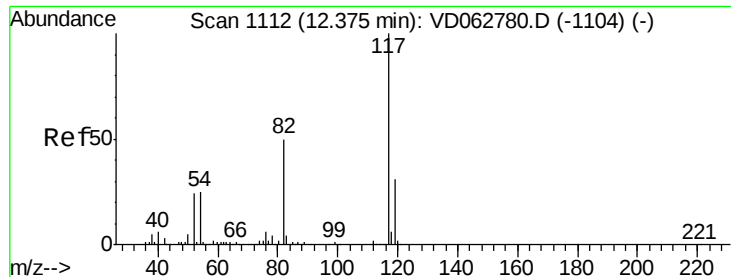
Tot Ion:107 Resp: 390902
 Ion Ratio Lower Upper
 107 100
 109 94.0 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.222 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion: 95 Resp: 538670
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 158.0
 176 78.8 0.0 151.6

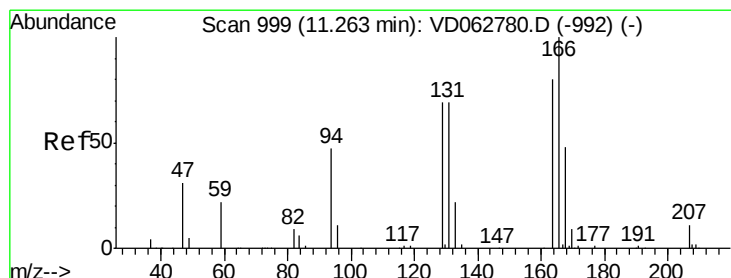
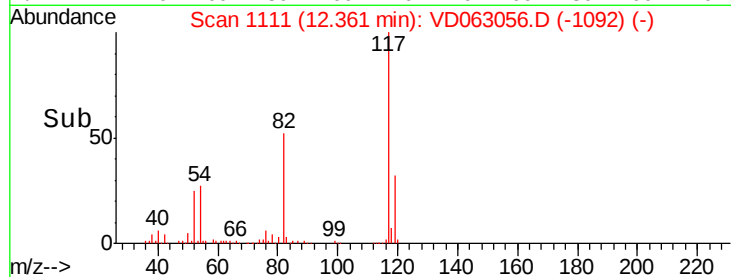
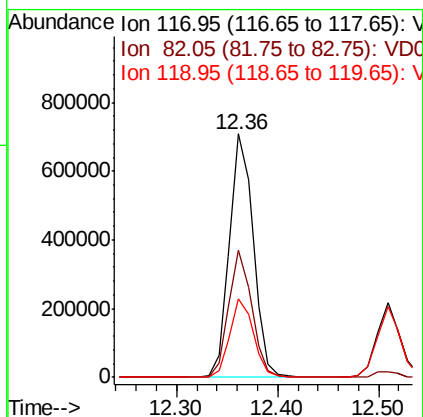
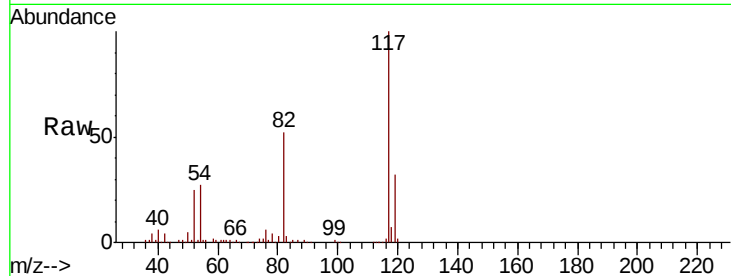




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

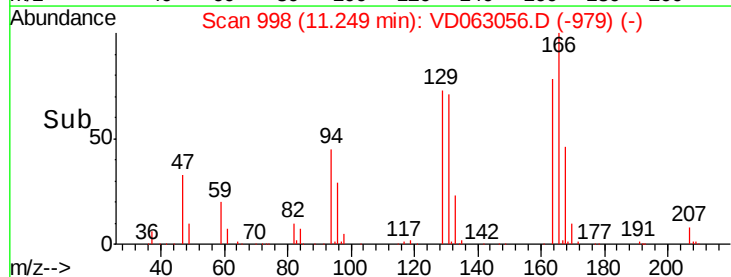
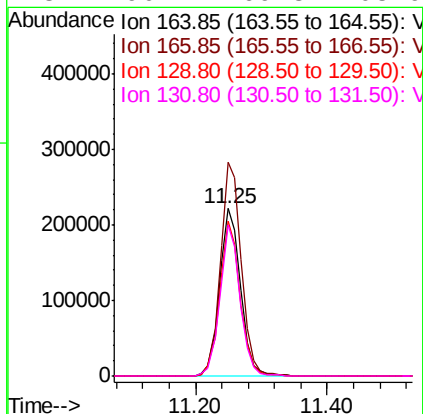
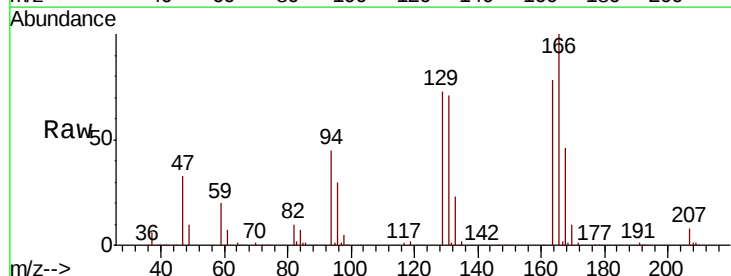
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

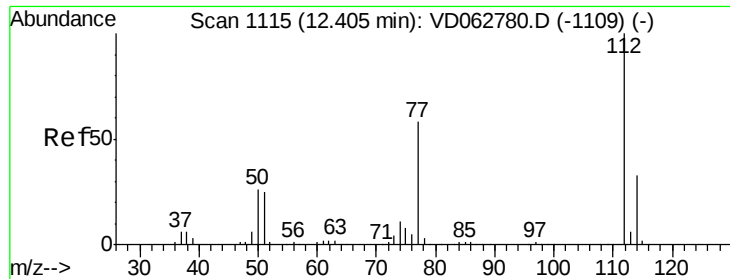
Tot Ion:117 Resp: 1167659
Ion Ratio Lower Upper
117 100
82 52.2 40.4 60.6
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 51.106 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:164 Resp: 491134
Ion Ratio Lower Upper
164 100
166 127.7 100.6 150.8
129 92.9 69.4 104.0
131 90.2 69.3 103.9

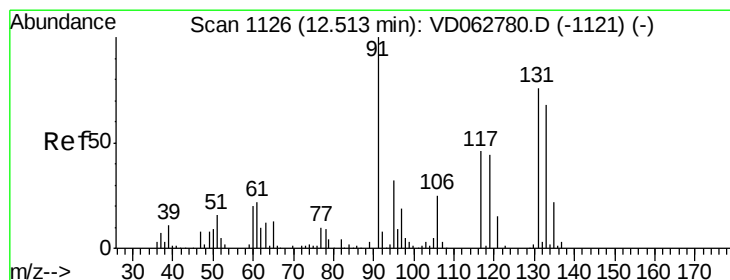
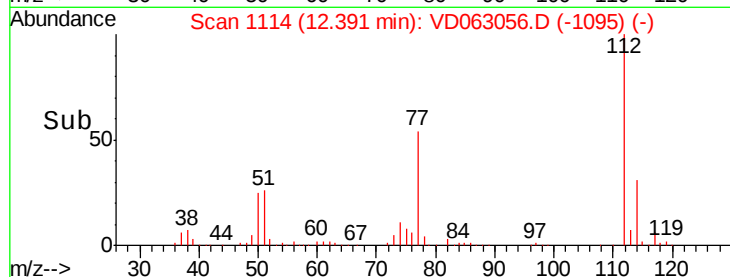
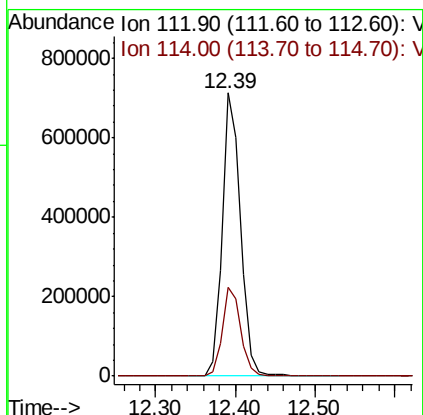
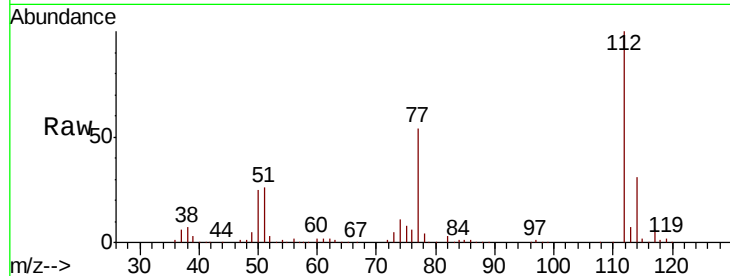




#65
Chlorobenzene
Concen: 53.365 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

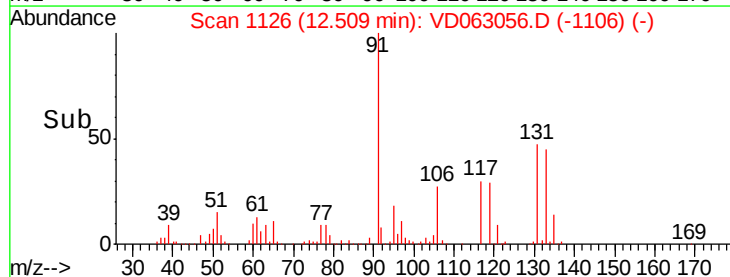
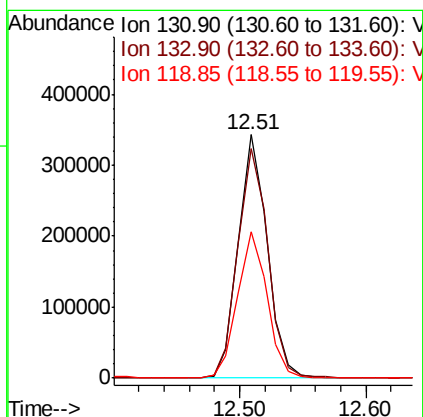
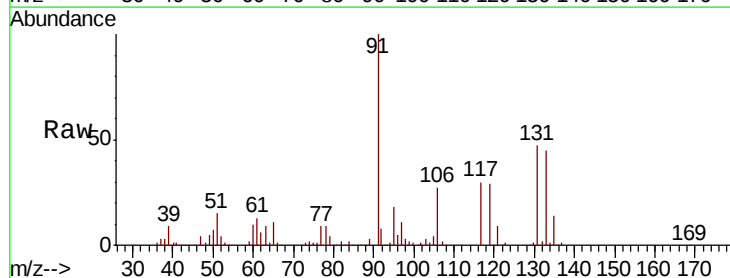
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1156443
Ion Ratio Lower Upper
112 100
114 31.3 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.630 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:131 Resp: 543510
Ion Ratio Lower Upper
131 100
133 94.3 44.5 133.3
119 60.1 28.6 85.9

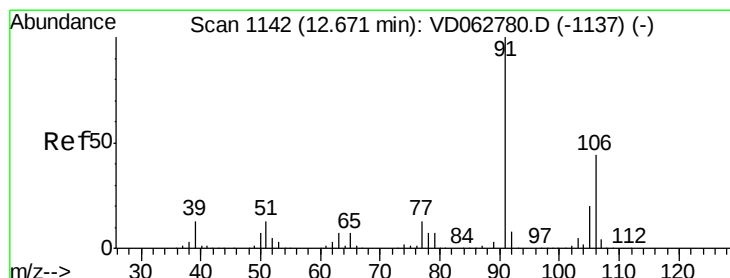
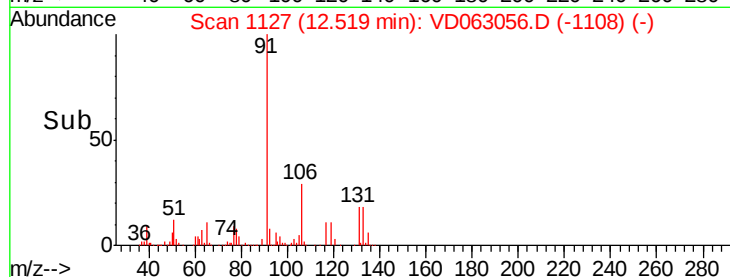
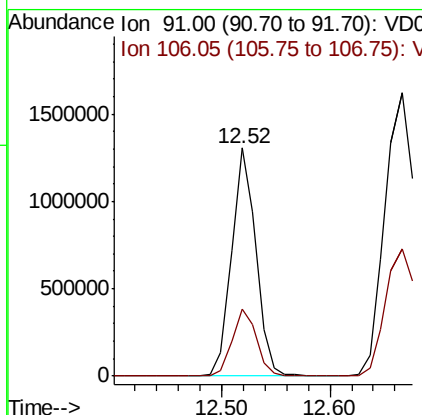
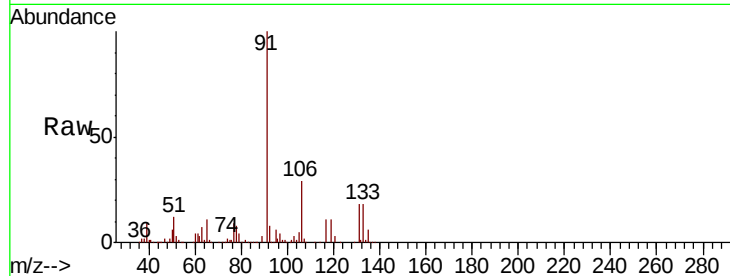




#67
Ethyl Benzene
Concen: 52.468 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

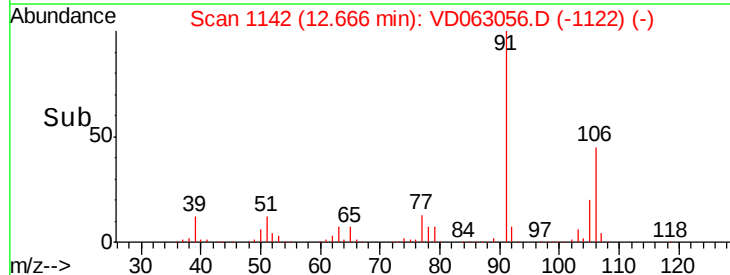
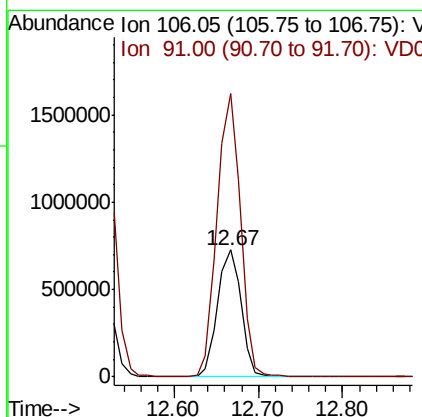
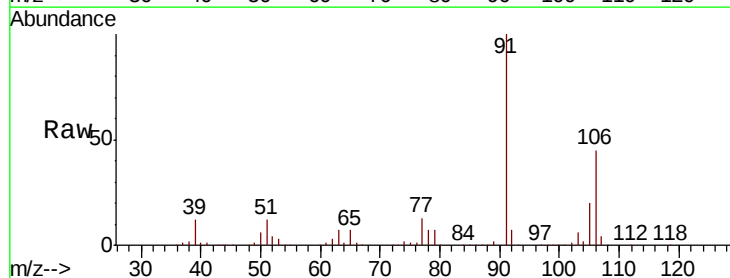
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2041383
Ion Ratio Lower Upper
91 100
106 29.3 23.1 34.7



#68
m/p-Xylenes
Concen: 104.703 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 106 Resp: 1418826
Ion Ratio Lower Upper
106 100
91 223.6 183.0 274.6

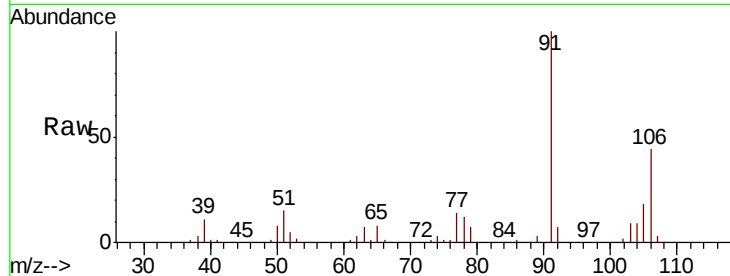




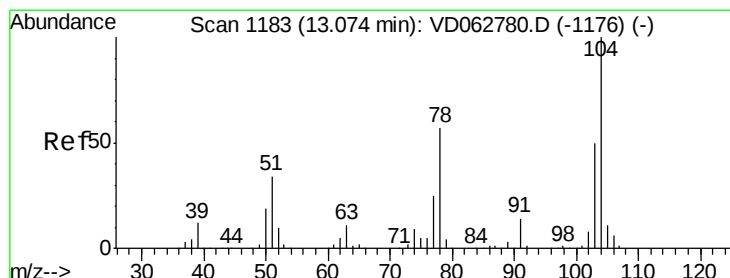
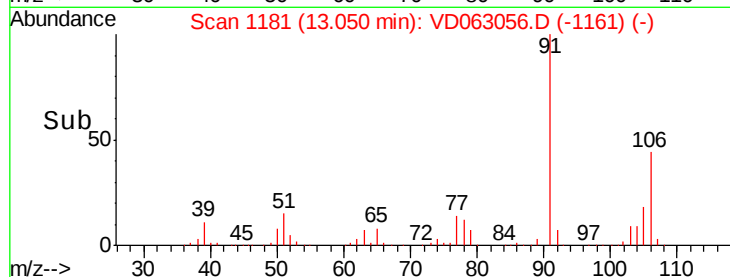
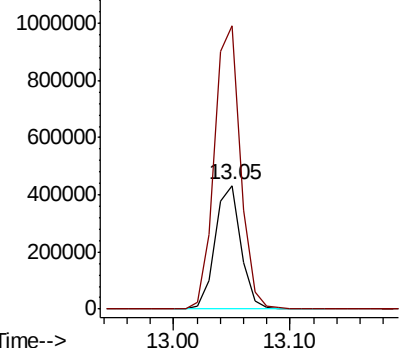
#69
o-Xylene
Concen: 53.403 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 661539
Ion Ratio Lower Upper
106 100
91 229.1 117.9 353.6

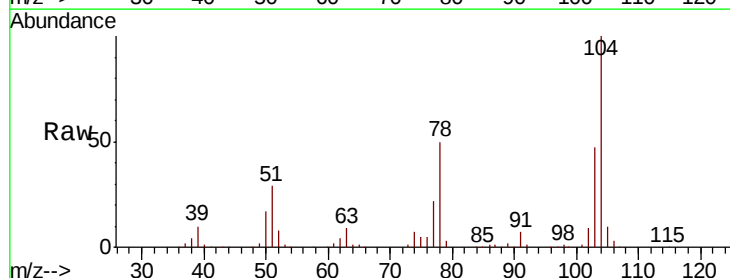


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

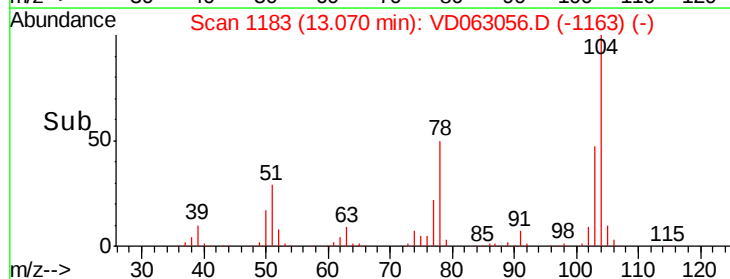
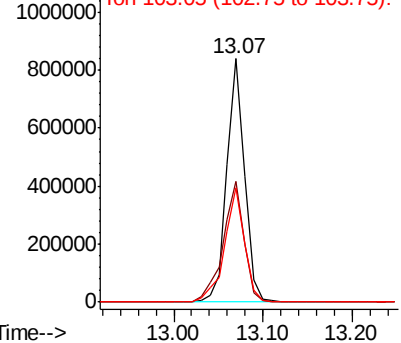


#70
Styrene
Concen: 53.421 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:104 Resp: 1162354
Ion Ratio Lower Upper
104 100
78 49.8 45.4 68.2
103 47.0 39.7 59.5



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





#71

Bromoform

Concen: 52.888 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

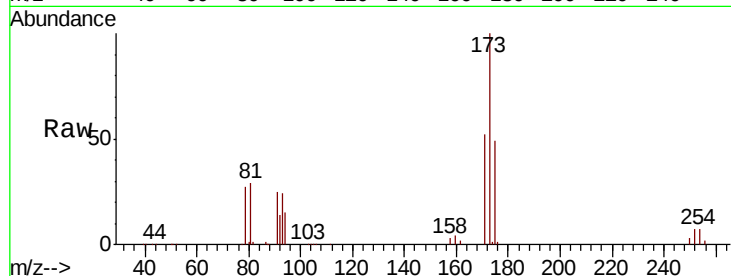
Tot Ion:173 Resp: 367228

Ion Ratio Lower Upper

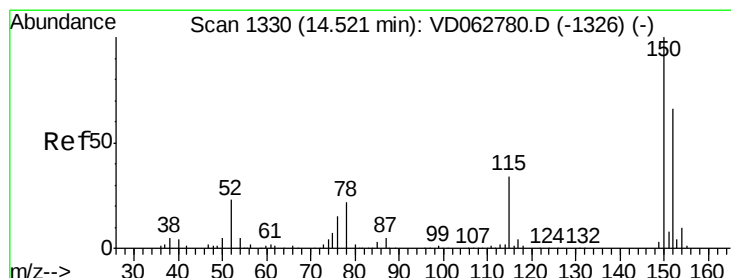
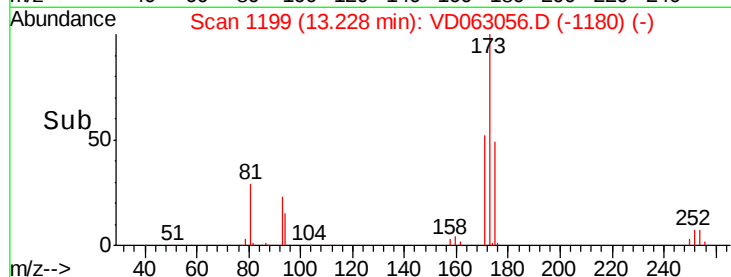
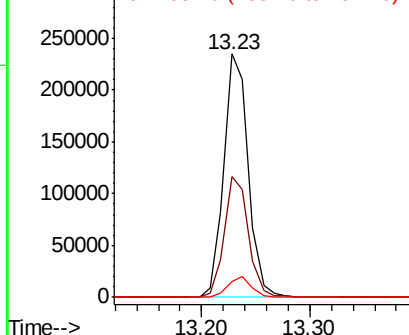
173 100

175 49.4 25.3 75.9

254 6.6 7.1 10.7#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

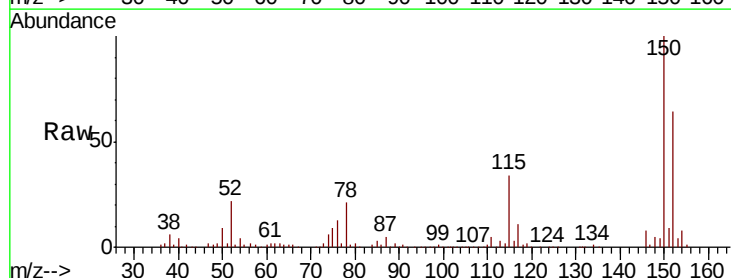
Tgt Ion:152 Resp: 586001

Ion Ratio Lower Upper

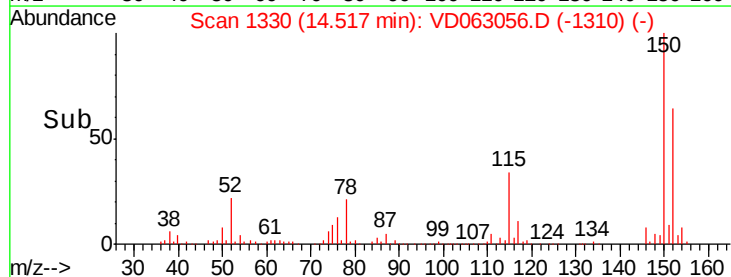
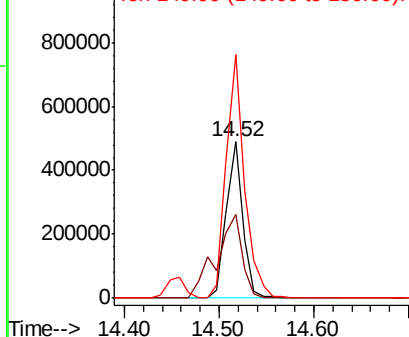
152 100

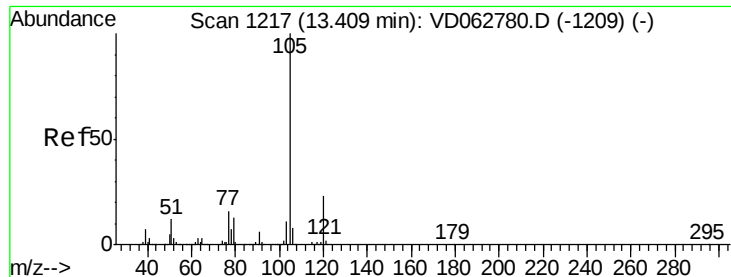
115 53.8 29.2 87.6

150 156.1 0.0 305.8



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: 57.349 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

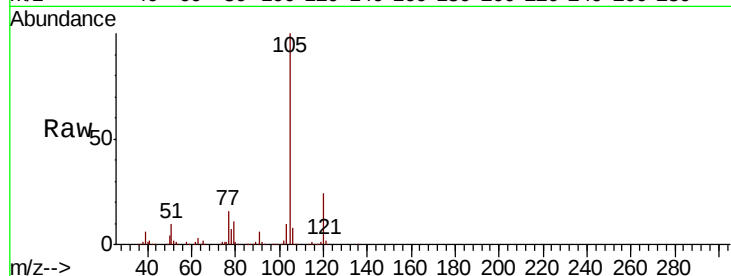
VSTDCCC050

Tot Ion:105 Resp: 2154776

Ion Ratio Lower Upper

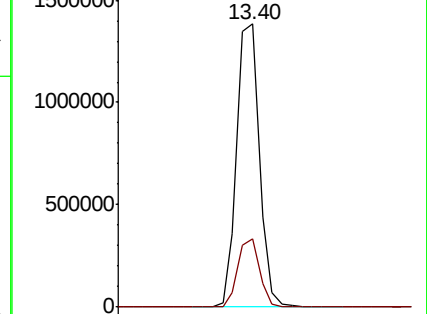
105 100

120 24.3 11.6 34.7

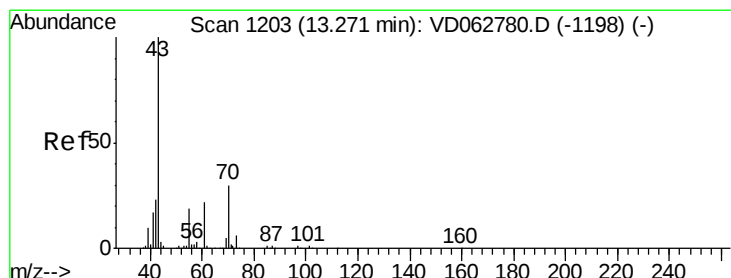
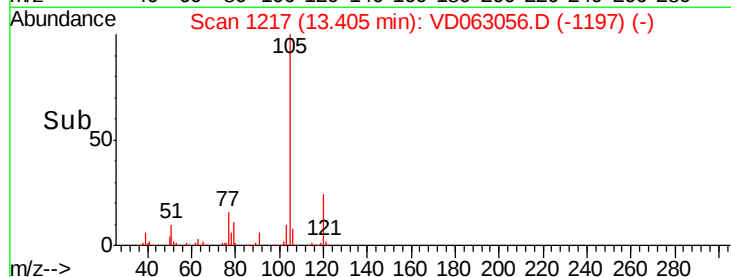


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 62.097 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Tgt Ion: 43 Resp: 566605

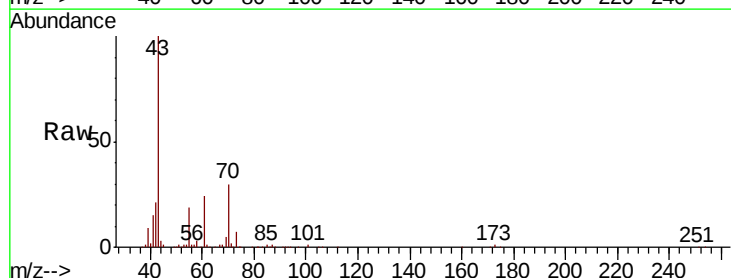
Ion Ratio Lower Upper

43 100

70 30.4 24.4 36.6

55 18.9 15.2 22.8

61 24.0 17.4 26.2

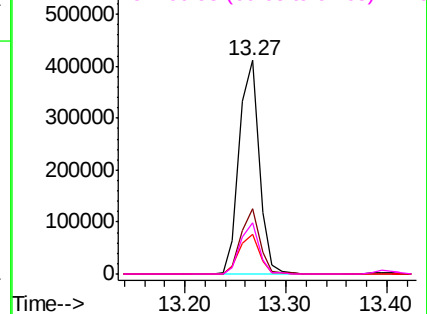


Abundance Ion 42.95 (42.65 to 43.65): VDC

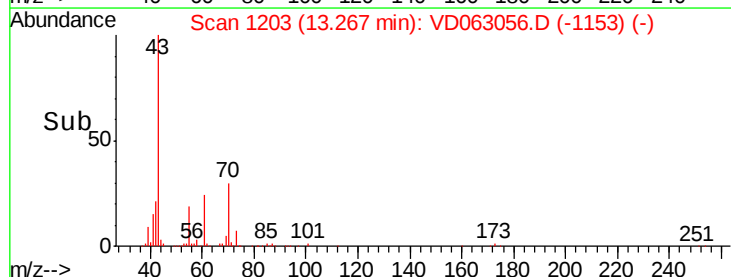
Ion 70.00 (69.70 to 70.70): VDC

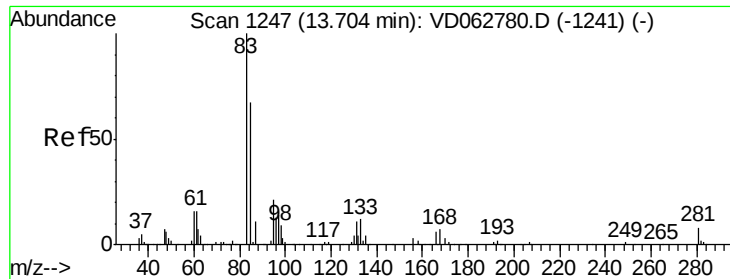
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 60.836 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

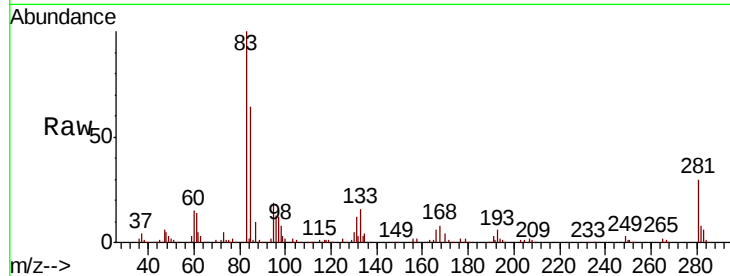
Tot Ion: 83 Resp: 372436

Ion Ratio Lower Upper

83 100

131 11.6 5.3 16.1

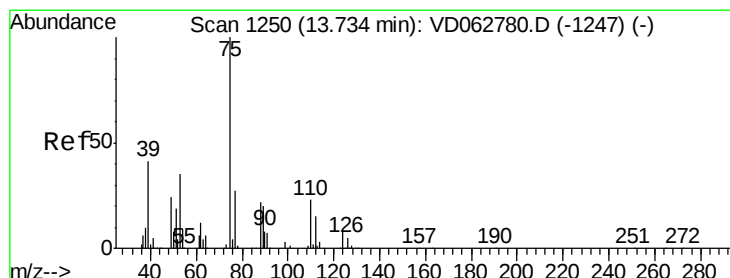
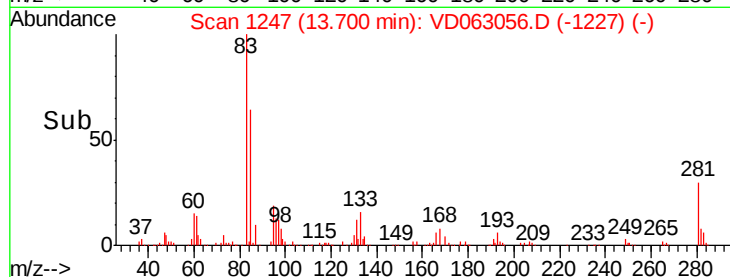
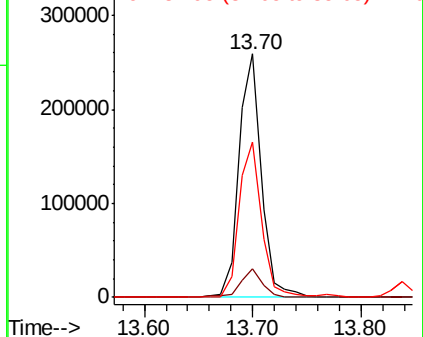
85 63.5 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 56.394 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063056.D

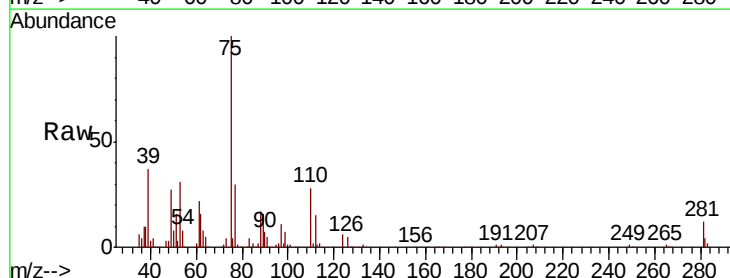
Acq: 10 Jul 2019 14:07

Tgt Ion: 75 Resp: 381503

Ion Ratio Lower Upper

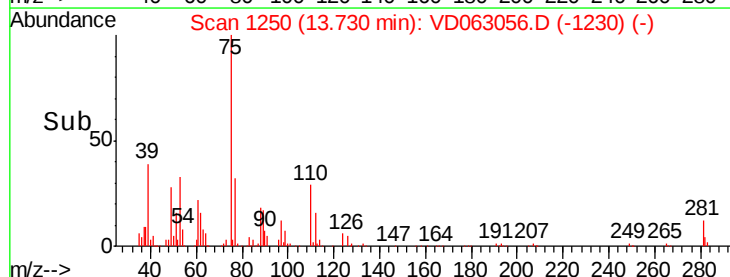
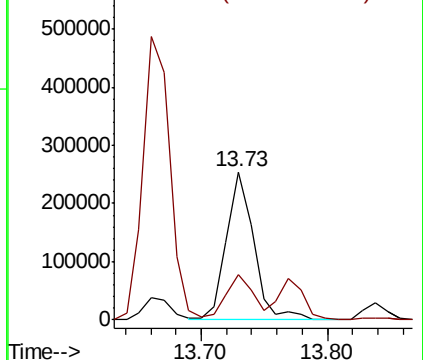
75 100

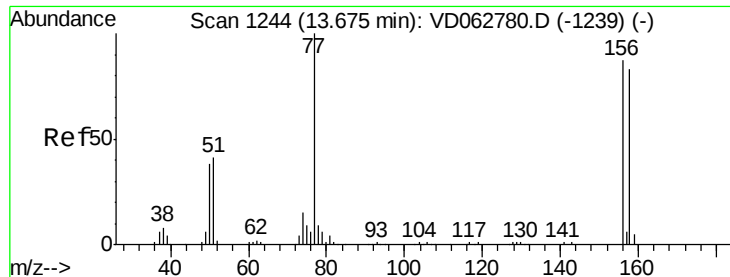
77 30.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 57.443 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

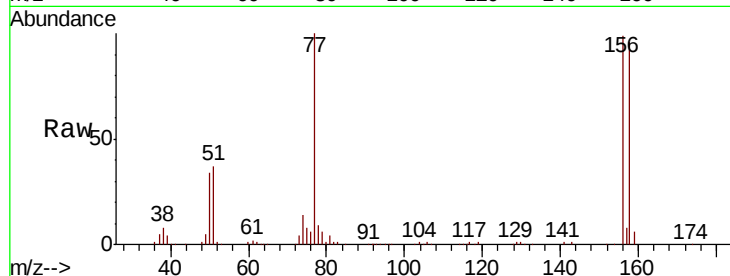
Tot Ion:156 Resp: 580523

Ion Ratio Lower Upper

156 100

77 100.7 57.7 173.1

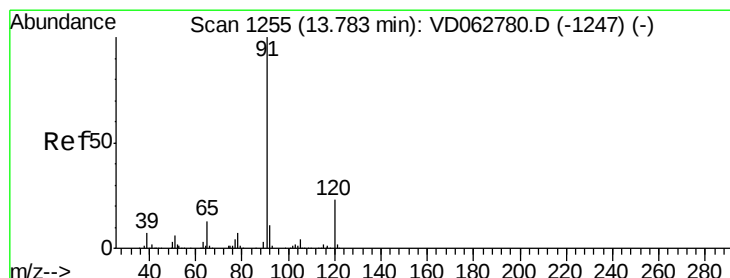
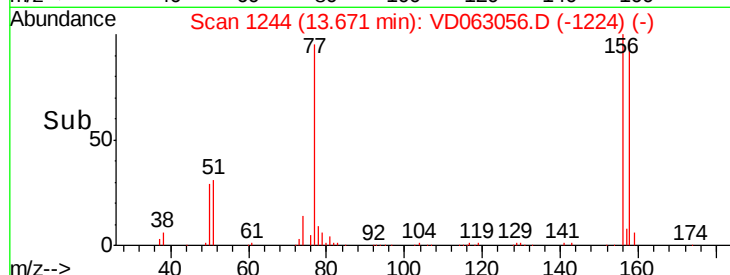
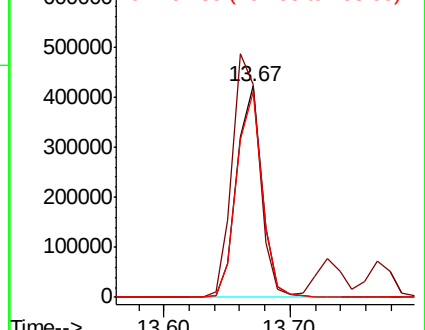
158 97.1 47.7 143.1



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: 56.215 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD063056.D

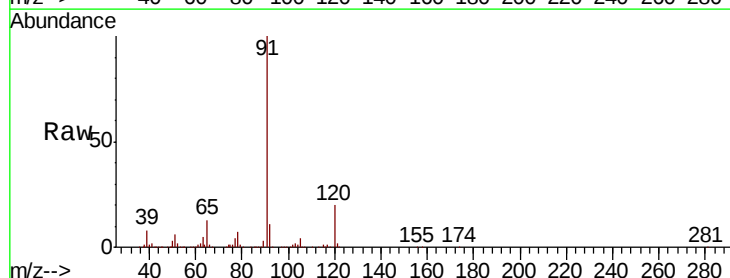
Acq: 10 Jul 2019 14:07

Tgt Ion: 91 Resp: 2458379

Ion Ratio Lower Upper

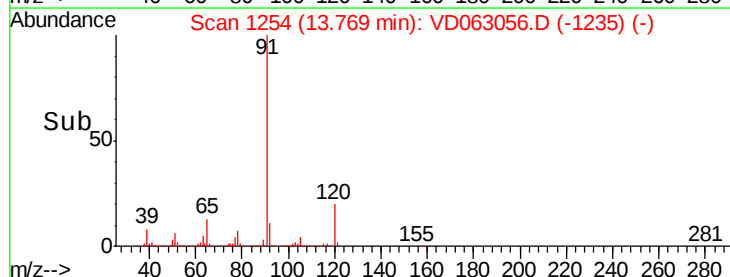
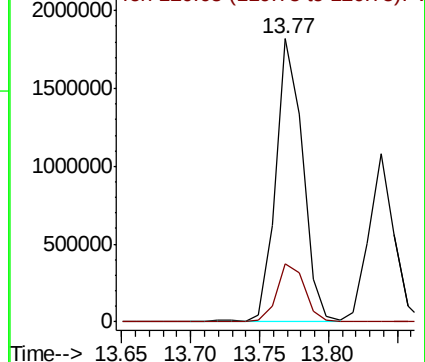
91 100

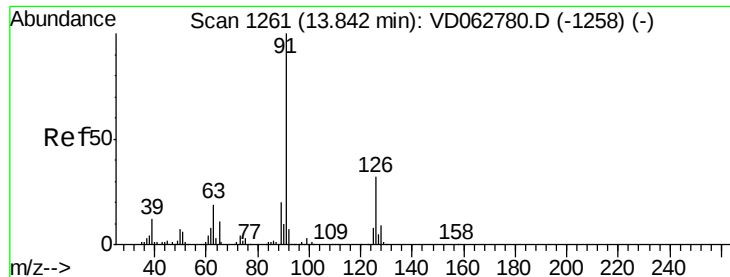
120 20.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

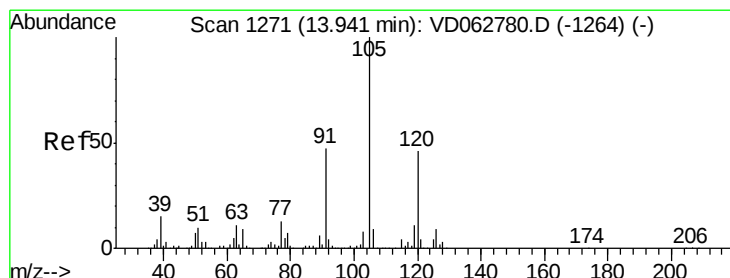
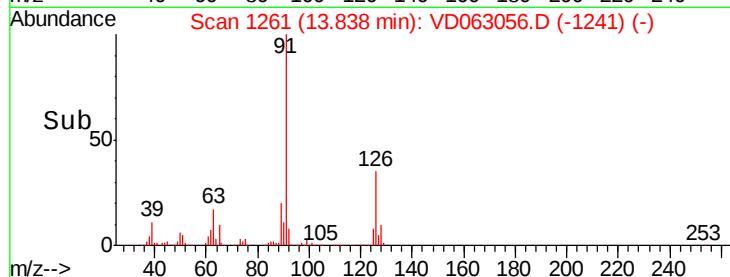
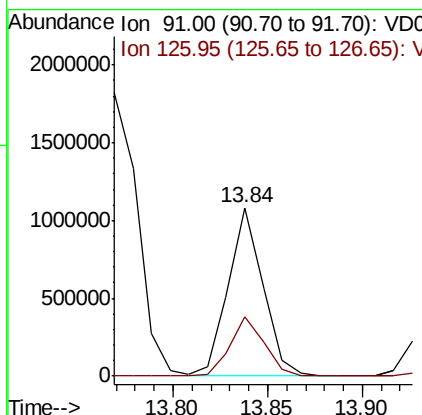
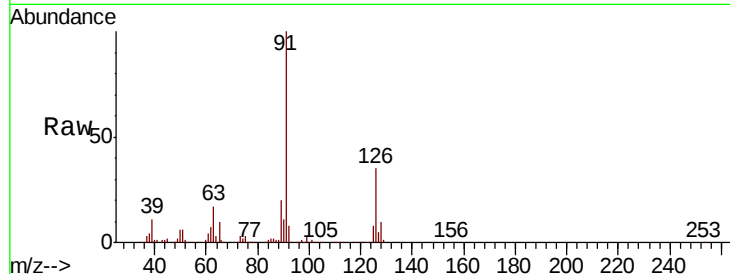




#79
 2-Chlorotoluene
 Concen: 55.287 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

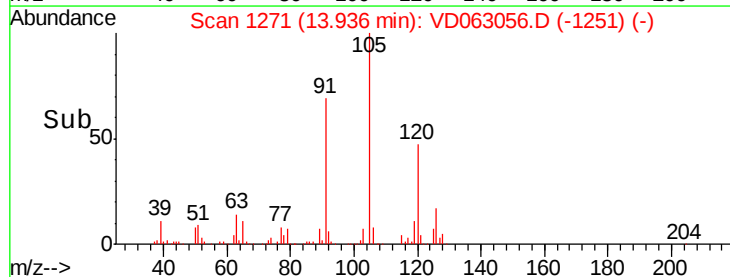
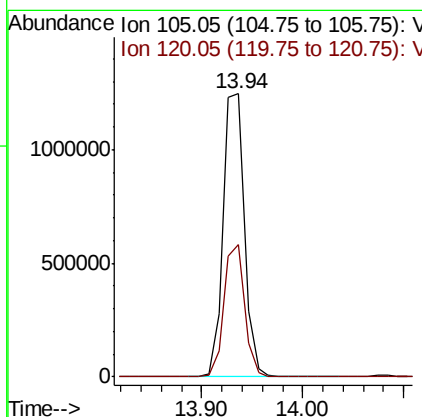
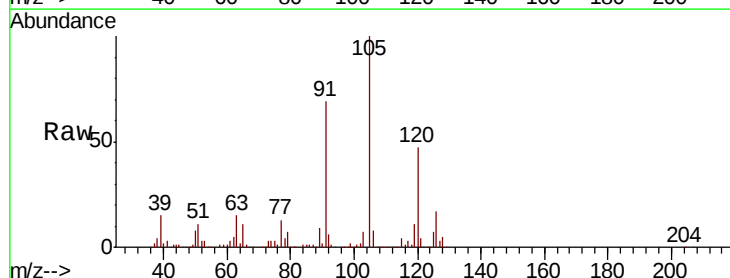
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1381717
 Ion Ratio Lower Upper
 91 100
 126 35.1 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 58.049 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion: 105 Resp: 1832027
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.687 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

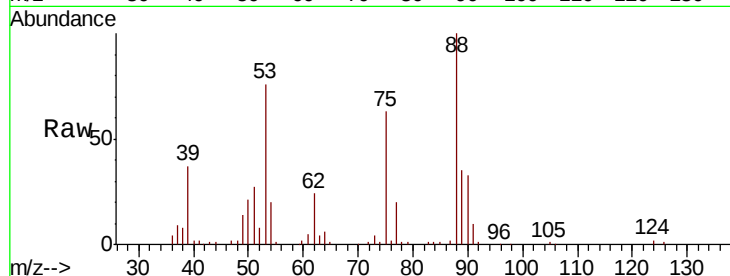
Tot Ion: 75 Resp: 95187

Ion	Ratio	Lower	Upper
75	100		
53	121.1	97.8	146.8
89	54.8	39.4	59.2

75 100

53 121.1 97.8 146.8

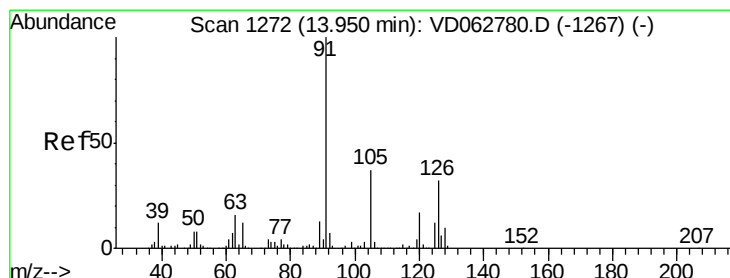
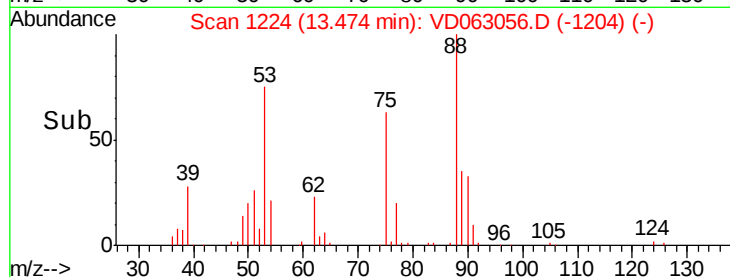
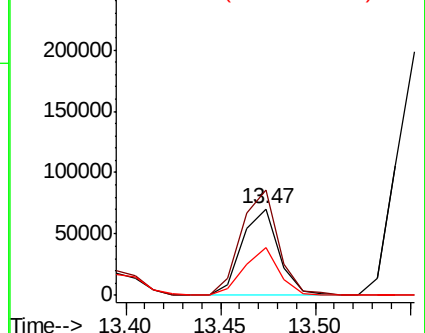
89 54.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 58.896 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063056.D

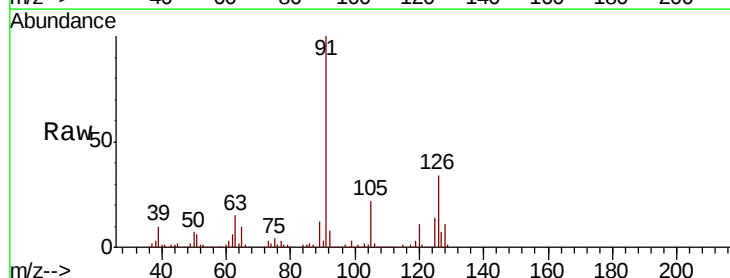
Acq: 10 Jul 2019 14:07

Tgt Ion: 91 Resp: 1772071

Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.0	47.9

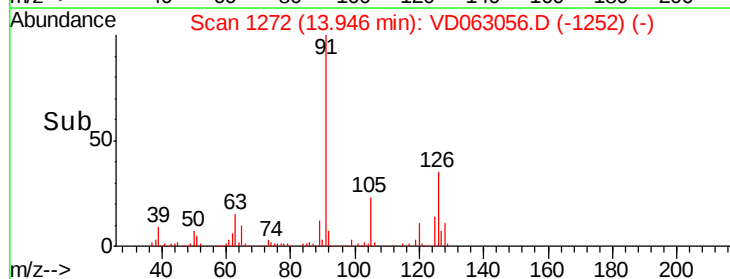
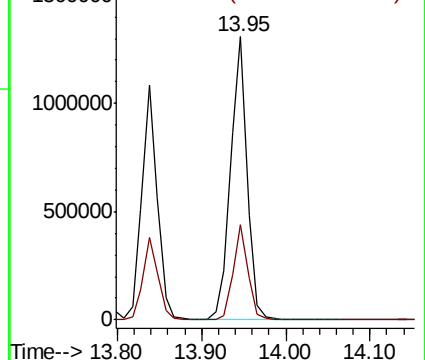
91 100

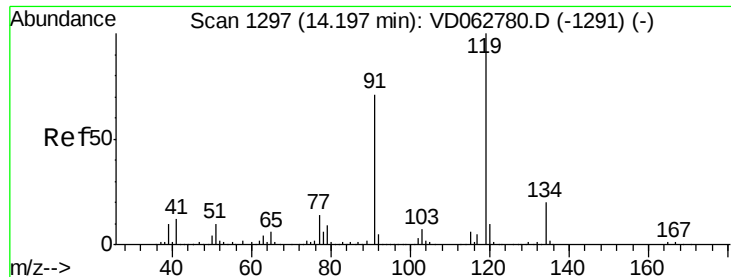
126 33.6 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 56.330 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD063056.D

Acq: 10 Jul 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

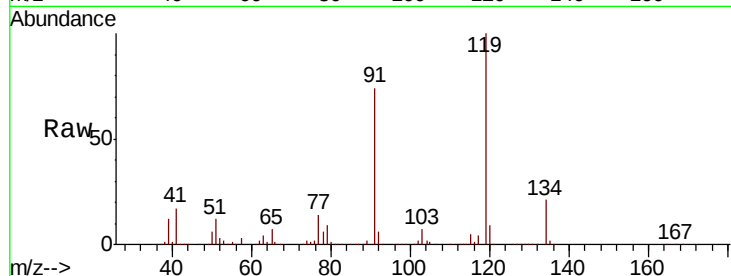
Tot Ion:119 Resp: 1981603

Ion Ratio Lower Upper

119 100

91 74.2 35.5 106.5

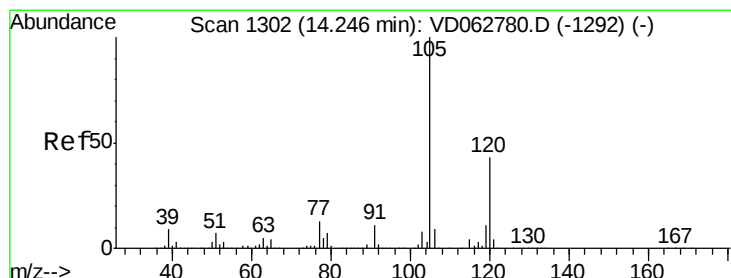
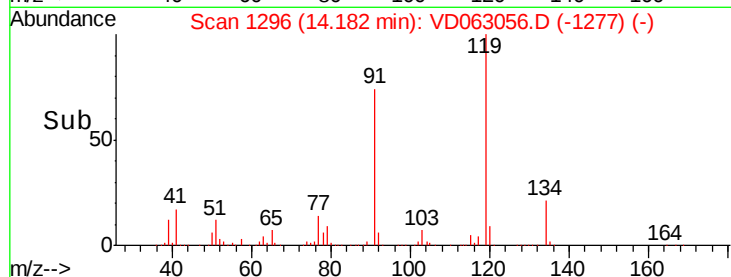
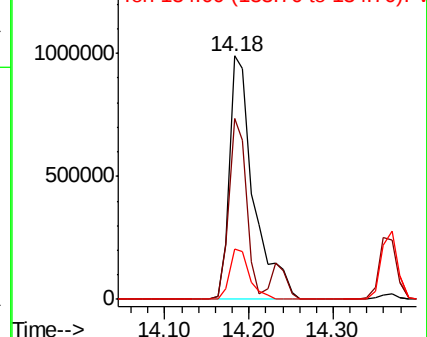
134 20.7 10.2 30.6



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: 56.201 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD063056.D

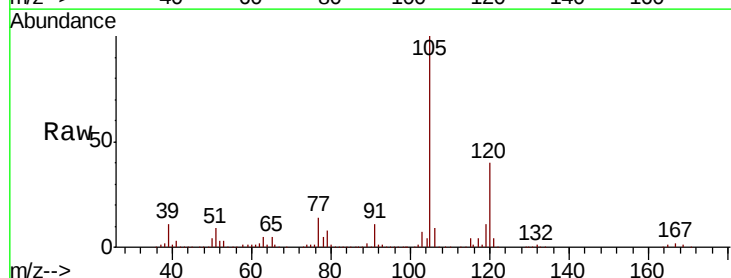
Acq: 10 Jul 2019 14:07

Tgt Ion:105 Resp: 1817963

Ion Ratio Lower Upper

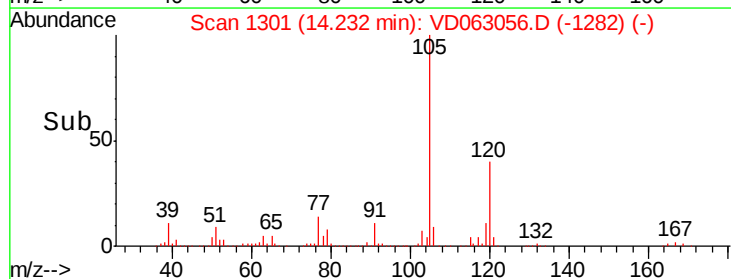
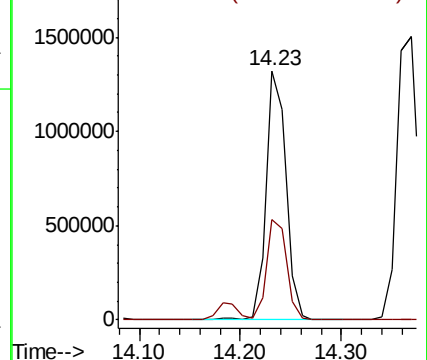
105 100

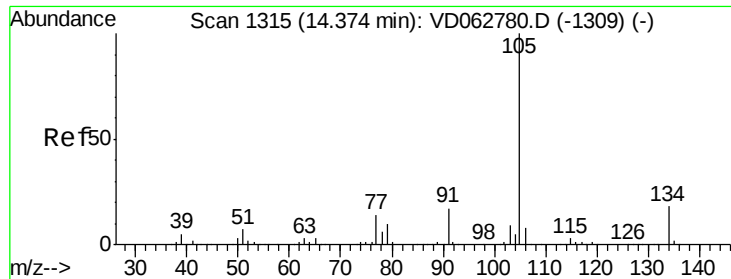
120 40.4 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

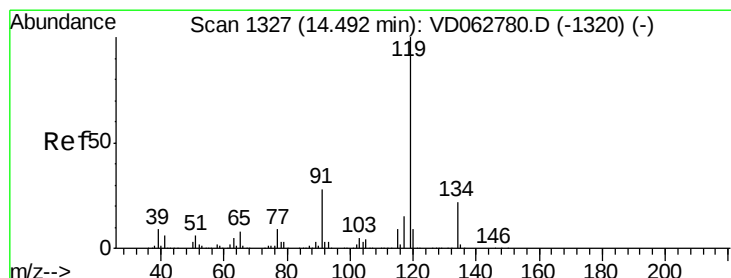
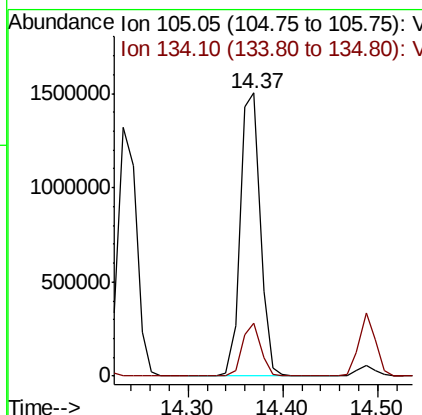
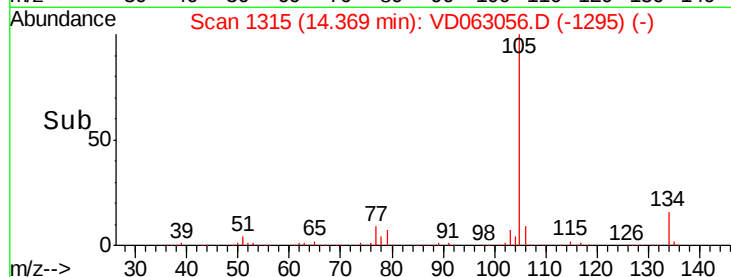
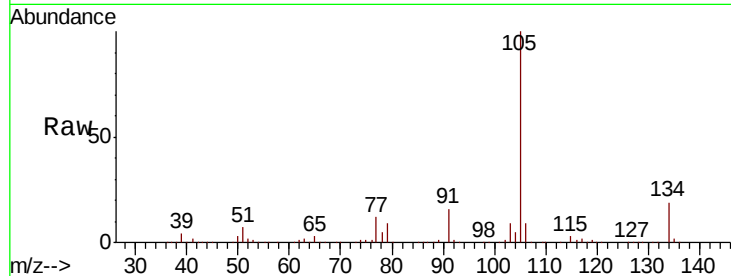




#85
 sec-Butylbenzene
 Concen: 57.548 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

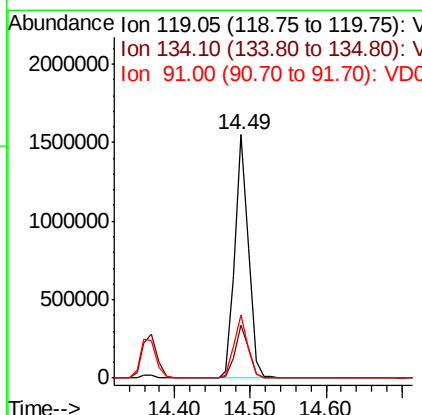
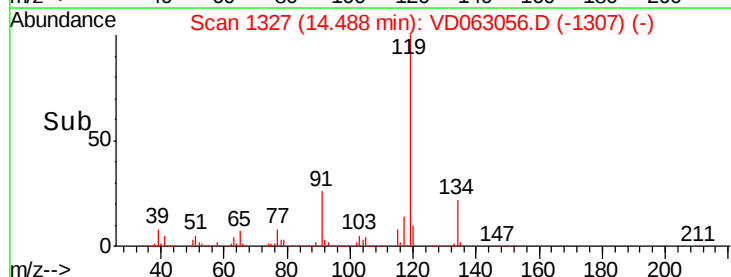
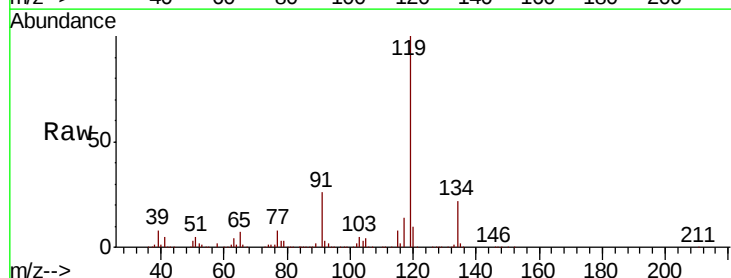
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2200317
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 54.037 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion:119 Resp: 1890125
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.1 33.1
 91 25.7 14.0 41.9

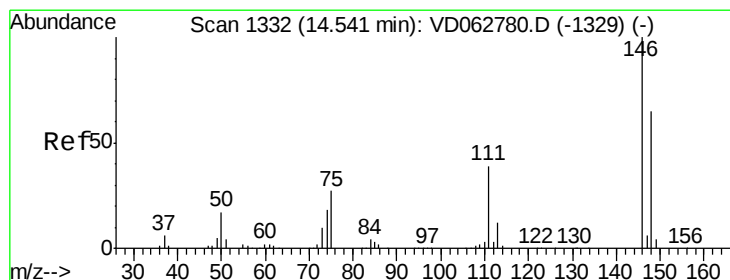
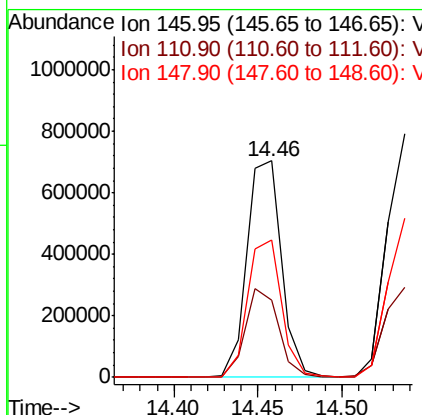
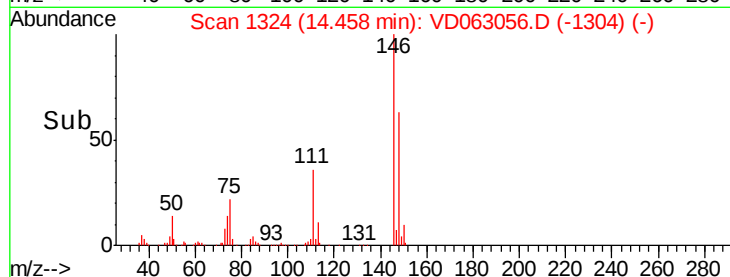
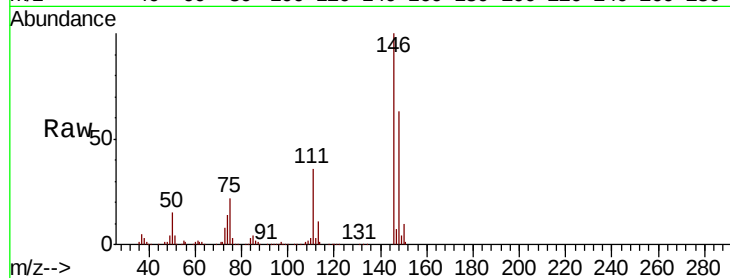




#87
 1,3-Dichlorobenzene
 Concen: 55.640 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

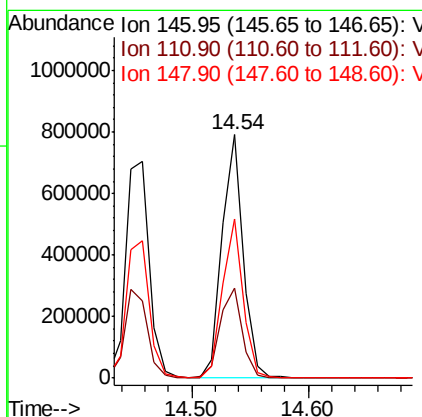
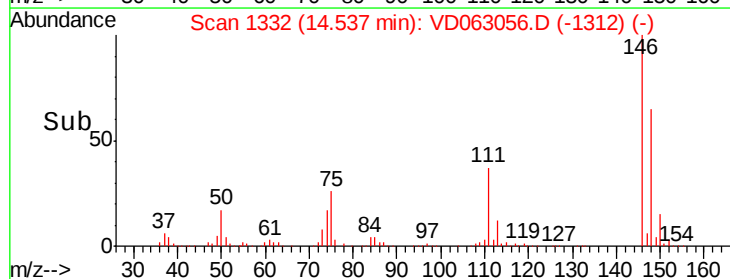
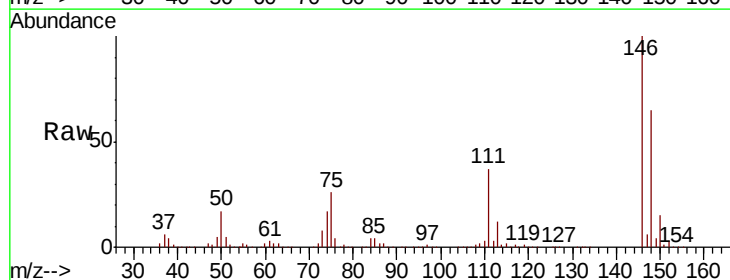
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

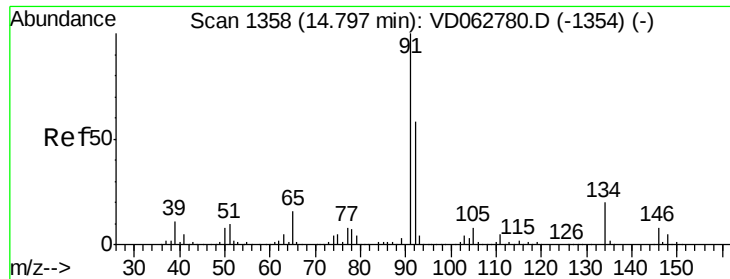
Tot Ion:146 Resp: 1007966
 Ion Ratio Lower Upper
 146 100
 111 35.5 19.0 57.0
 148 63.4 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 54.685 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion:146 Resp: 995024
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.7 59.1
 148 65.2 32.8 98.3

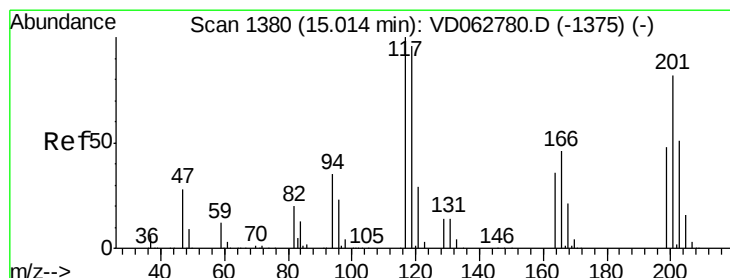
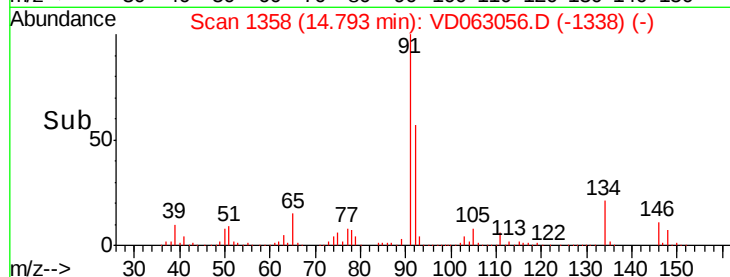
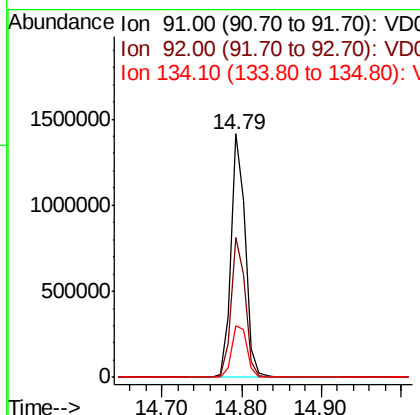
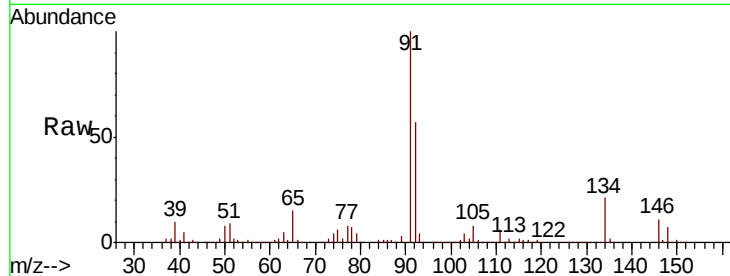




#89
n-Butylbenzene
Concen: 54.403 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

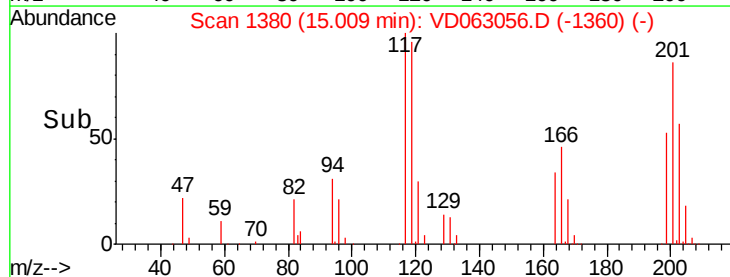
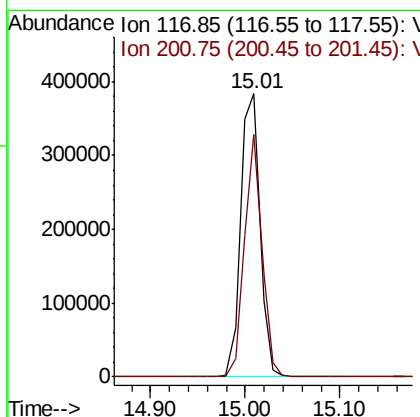
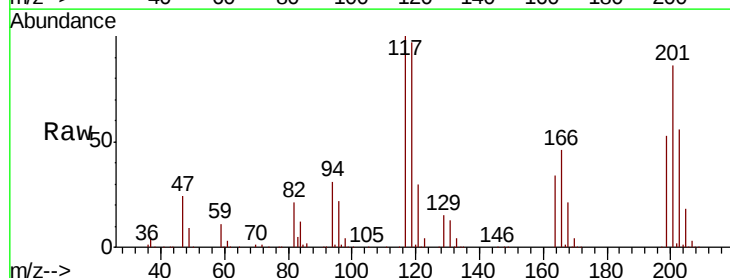
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

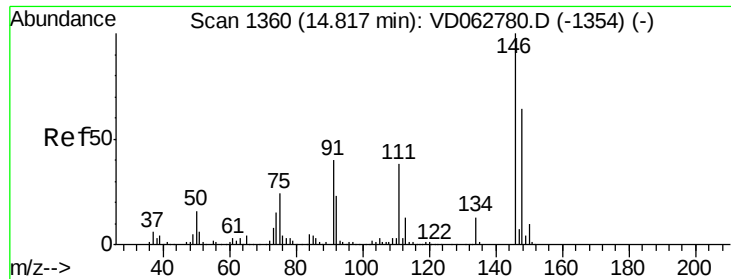
Tot Ion: 91 Resp: 1781070
Ion Ratio Lower Upper
91 100
92 57.4 28.9 86.7
134 21.3 10.1 30.3



#90
Hexachloroethane
Concen: 57.994 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion: 117 Resp: 545412
Ion Ratio Lower Upper
117 100
201 85.9 40.8 122.2

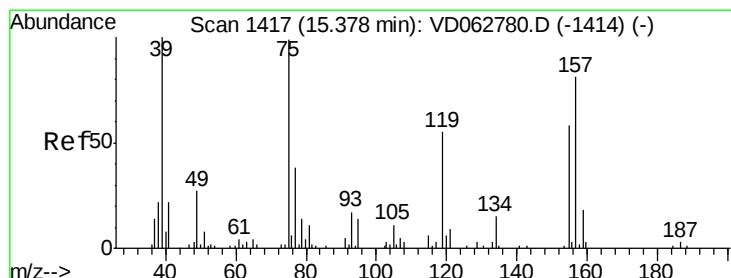
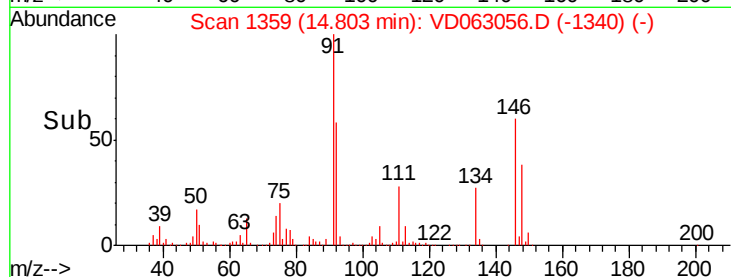
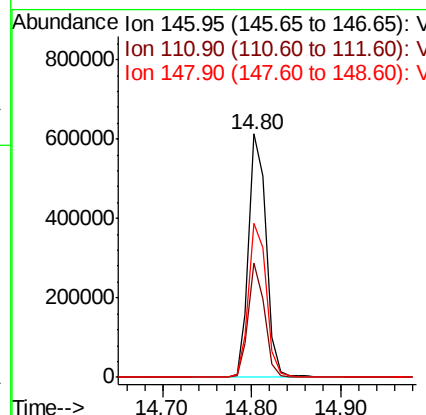
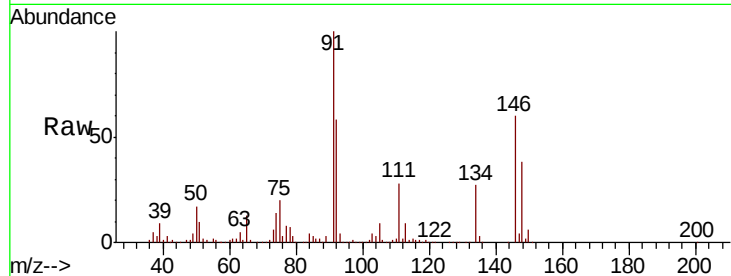




#91
 1,2-Dichlorobenzene
 Concen: 54.262 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

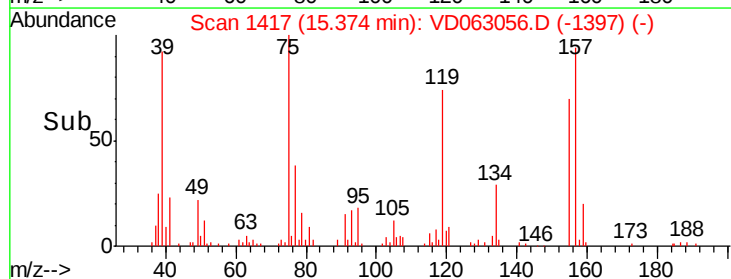
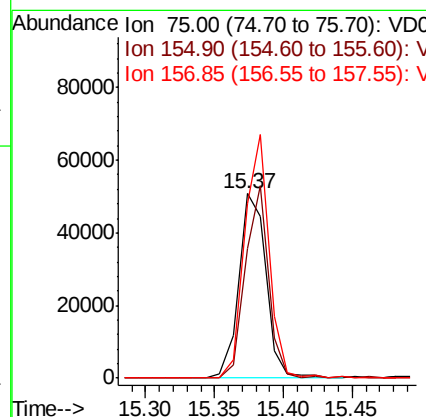
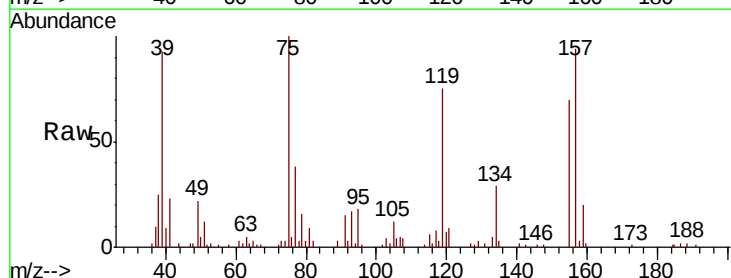
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

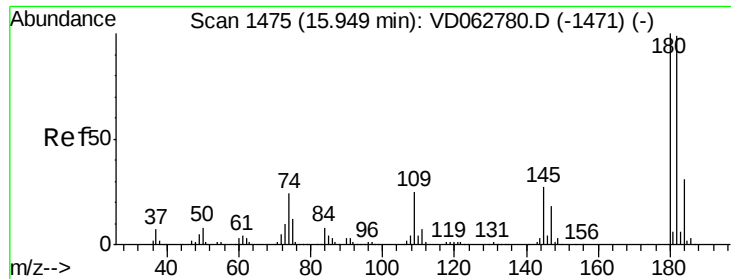
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	19.1	57.1
148	63.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.370 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	29.3	87.8
157	94.3	41.3	123.7

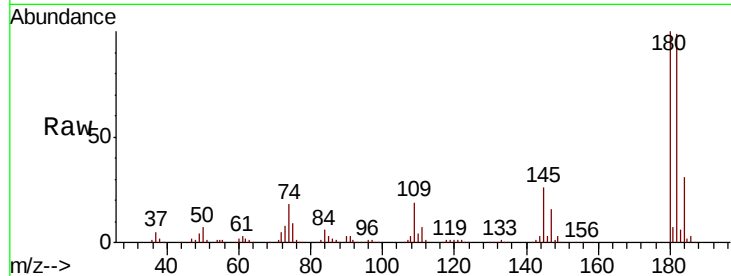




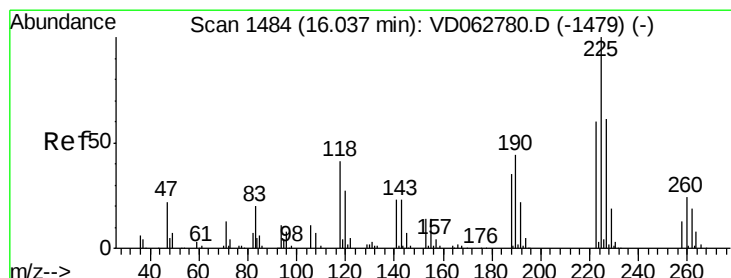
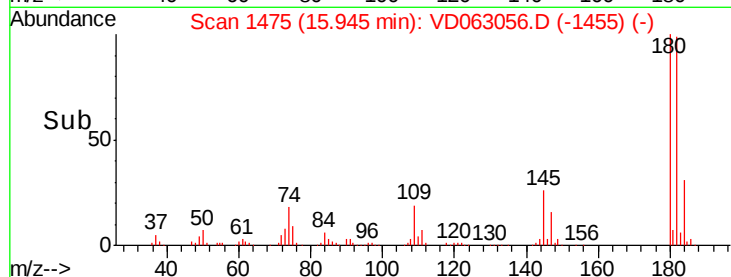
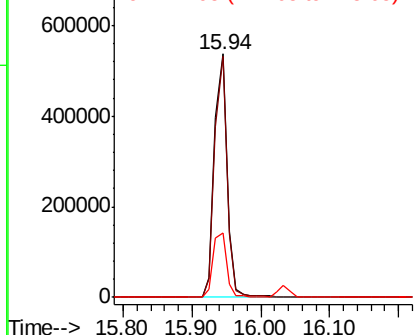
#93
 1,2,4-Trichlorobenzene
 Concen: 57.030 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 690506
 Ion Ratio Lower Upper
 180 100
 182 99.2 49.5 148.5
 145 26.3 13.7 41.0

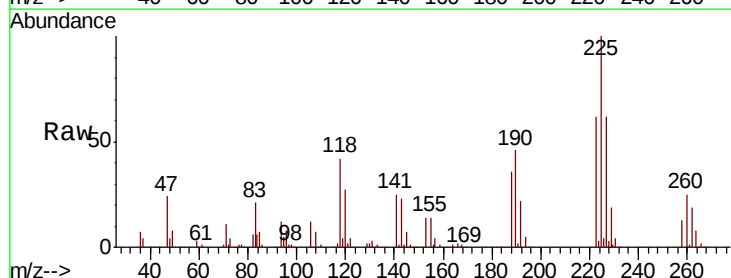


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

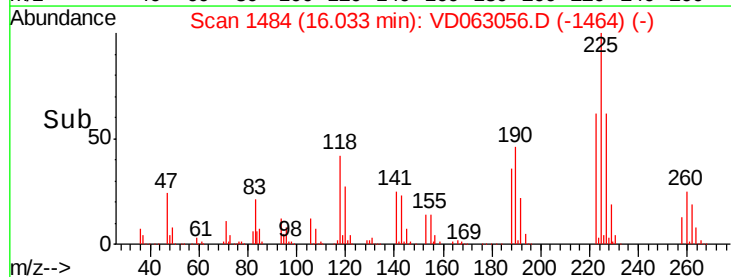
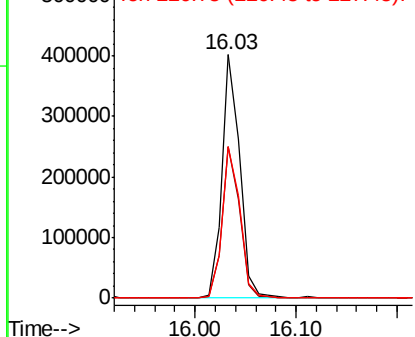


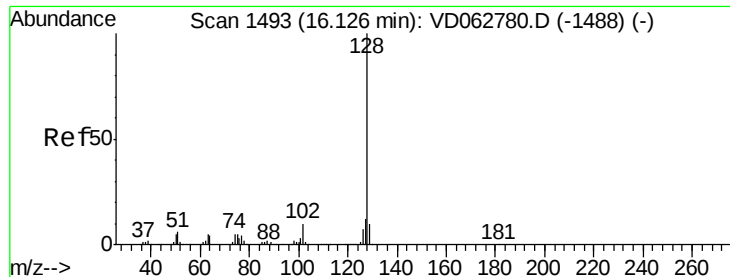
#94
 Hexachlorobutadiene
 Concen: 54.022 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD063056.D
 Acq: 10 Jul 2019 14:07

Tgt Ion:225 Resp: 499692
 Ion Ratio Lower Upper
 225 100
 223 62.4 29.8 89.5
 227 62.4 30.6 91.6



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

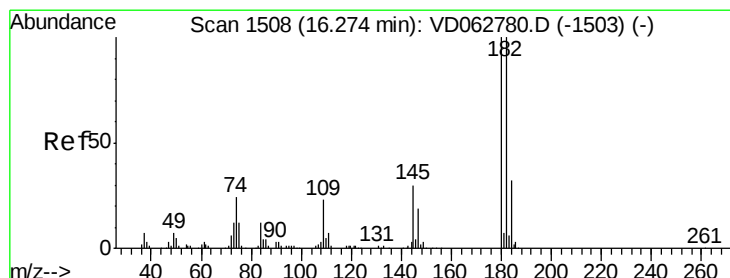
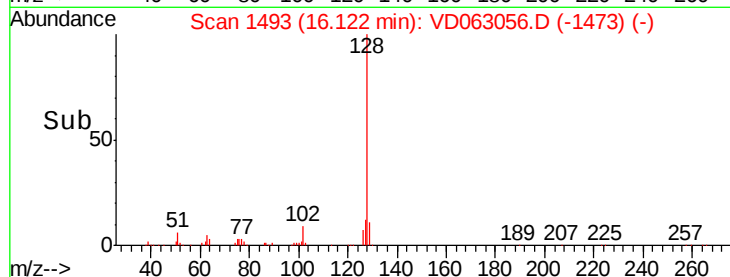
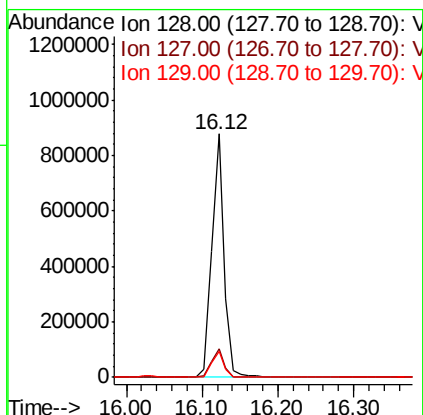
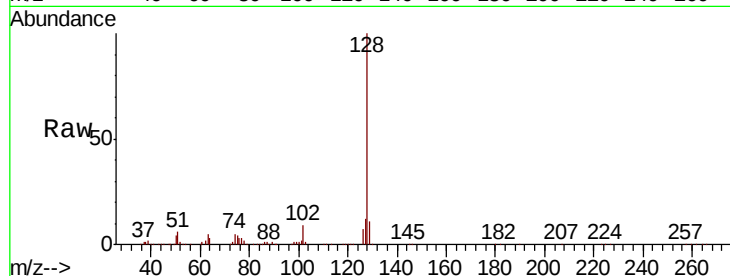




#95
Naphthalene
Concen: 59.559 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1010732
Ion Ratio Lower Upper
128 100
127 11.8 9.7 14.5
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 53.938 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063056.D
Acq: 10 Jul 2019 14:07

Tgt Ion:180 Resp: 501776
Ion Ratio Lower Upper
180 100
182 95.1 49.9 149.6
145 26.0 15.2 45.5

