

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062785.D
 Acq On : 20 Jun 2019 10:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:32:09 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	7.09	168	945685	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.26	114	1336939	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.40	117	1094240	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.55	152	625376	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.49	65	556096	54.10	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	6.96	113	555647	49.29	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	10.45	98	1303095	53.11	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	13.58	95	531280	47.62	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	615683	50.311	ug/l	99
3) Chloromethane	1.76	50	448194	48.699	ug/l	90
4) Vinyl Chloride	1.86	62	482850	52.914	ug/l	97
5) Bromomethane	2.16	94	242376	56.717	ug/l	98
6) Chloroethane	2.28	64	223903	54.197	ug/l	94
7) Trichlorofluoromethane	2.55	101	996796	53.976	ug/l	97
8) Diethyl Ether	2.89	74	129937	55.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	533447	53.319	ug/l	95
10) Methyl Iodide	3.32	142	689987	52.275	ug/l	99
11) Tert butyl alcohol	4.10	59	119593	255.446	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	398759	53.131	ug/l	85
13) Acrolein	3.05	56	120235	251.563	ug/l	99
14) Allyl chloride	3.64	41	601215	54.213	ug/l	97
15) Acrylonitrile	4.22	53	283287	257.514	ug/l	93
16) Acetone	3.24	43	583507	280.777	ug/l	100
17) Carbon Disulfide	3.39	76	1264890	52.733	ug/l	95
18) Methyl Acetate	3.66	43	159246	51.318	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	923289	56.826	ug/l	100
20) Methylene Chloride	3.84	84	366577	46.760	ug/l	88
21) trans-1,2-Dichloroethene	4.24	96	420681	52.641	ug/l	99
22) Diisopropyl ether	5.15	45	1213950	53.827	ug/l	94
23) Vinyl Acetate	5.09	43	3993663	282.991	ug/l	100
24) 1,1-Dichloroethane	5.01	63	782095	53.263	ug/l	99
25) 2-Butanone	6.11	43	571453	297.234	ug/l	94
26) 2,2-Dichloropropane	6.05	77	868937	55.830	ug/l	100
27) cis-1,2-Dichloroethene	6.07	96	450524	53.311	ug/l	90
28) Bromochloromethane	6.46	49	269668	52.144	ug/l	94
29) Tetrahydrofuran	6.49	42	239178	262.936	ug/l	97
30) Chloroform	6.70	83	917559	51.382	ug/l	97
31) Cyclohexane	6.99	56	501493	51.952	ug/l	100
32) 1,1,1-Trichloroethane	6.90	97	978628	52.614	ug/l	94
36) 1,1-Dichloropropene	7.18	75	653109	51.605	ug/l	96
37) Ethyl Acetate	6.21	43	264881	49.819	ug/l #	98
38) Carbon Tetrachloride	7.14	117	1060553	55.718	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062785.D
 Acq On : 20 Jun 2019 10:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:32:09 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)
39) Methylcyclohexane	8.90	83	528834	47.470	ug/l	97
40) Benzene	7.49	78	1238539	48.753	ug/l	98
41) Methacrylonitrile	6.47	41	345388	51.749	ug/l	97
42) 1,2-Dichloroethane	7.62	62	705901	50.935	ug/l	100
43) Isopropyl Acetate	9.28	43	355817	53.626	ug/l	98
44) Trichloroethene	8.57	130	489952	49.194	ug/l	97
45) 1,2-Dichloropropane	8.98	63	294955	46.692	ug/l	98
46) Dibromomethane	9.10	93	271528	50.038	ug/l	89
47) Bromodichloromethane	9.41	83	753556	53.471	ug/l	98
48) Methyl methacrylate	9.15	41	240662	51.040	ug/l	94
49) 1,4-Dioxane	9.11	88	40791	1039.839	ug/l	94
51) 4-Methyl-2-Pentanone	10.33	43	1246581	264.990	ug/l	98
52) Toluene	10.55	92	847218	49.612	ug/l	99
53) t-1,3-Dichloropropene	10.95	75	622533	53.970	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	614621	49.023	ug/l	94
55) 1,1,2-Trichloroethane	11.23	97	295601	50.384	ug/l	95
56) Ethyl methacrylate	11.08	69	328622	52.412	ug/l	94
57) 1,3-Dichloropropane	11.45	76	466845	51.968	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.89	63	832615	258.663	ug/l	97
59) 2-Hexanone	11.56	43	931635	278.073	ug/l	96
60) Dibromochloromethane	11.72	129	546393	49.999	ug/l	99
61) 1,2-Dibromoethane	11.84	107	358968	51.805	ug/l	96
64) Tetrachloroethene	11.30	164	461325	51.225	ug/l	96
65) Chlorobenzene	12.43	112	993255	48.910	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.55	131	498721	52.513	ug/l	92
67) Ethyl Benzene	12.56	91	1875922	51.451	ug/l	100
68) m/p-Xylenes	12.70	106	1342530	105.720	ug/l	97
69) o-Xylene	13.08	106	647042	55.738	ug/l	98
70) Styrene	13.10	104	1102323	54.061	ug/l	95
71) Bromoform	13.27	173	367713	56.511	ug/l	95
73) Isopropylbenzene	13.43	105	1852693	46.204	ug/l	99
74) N-amyl acetate	13.30	43	509331	52.305	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.73	83	322661	49.387	ug/l	97
76) 1,2,3-Trichloropropane	13.76	75	365829	50.672	ug/l	98
77) Bromobenzene	13.70	156	524716	48.652	ug/l	99
78) n-propylbenzene	13.81	91	2208800	47.328	ug/l	100
79) 2-Chlorotoluene	13.87	91	1255188	47.062	ug/l	99
80) 1,3,5-Trimethylbenzene	13.97	105	1727747	51.298	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.50	75	98731	52.180	ug/l	92
82) 4-Chlorotoluene	13.98	91	1628647	50.721	ug/l	98
83) tert-Butylbenzene	14.22	119	1914155	50.987	ug/l	98
84) 1,2,4-Trimethylbenzene	14.27	105	1600752	46.370	ug/l	99
85) sec-Butylbenzene	14.40	105	2000999	49.040	ug/l	99
86) p-Isopropyltoluene	14.52	119	1917580	51.370	ug/l	99
87) 1,3-Dichlorobenzene	14.49	146	958588	49.582	ug/l	98
88) 1,4-Dichlorobenzene	14.57	146	981475	50.544	ug/l	99
89) n-Butylbenzene	14.82	91	1778744	50.911	ug/l	99
90) Hexachloroethane	15.04	117	513279	51.141	ug/l	97
91) 1,2-Dichlorobenzene	14.84	146	851982	51.507	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.40	75	67165	52.671	ug/l	96

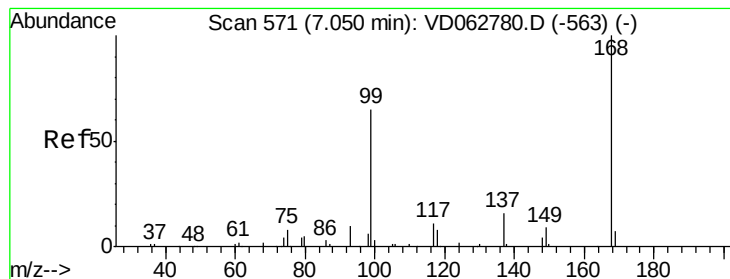
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
Data File : VD062785.D
Acq On : 20 Jun 2019 10:59
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 21 06:32:09 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)
93) 1,2,4-Trichlorobenzene	15.97	180	596981	46.201	ug/l	97
94) Hexachlorobutadiene	16.06	225	486014	49.235	ug/l	99
95) Naphthalene	16.15	128	895509	49.447	ug/l	99
96) 1,2,3-Trichlorobenzene	16.30	180	515588	51.933	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

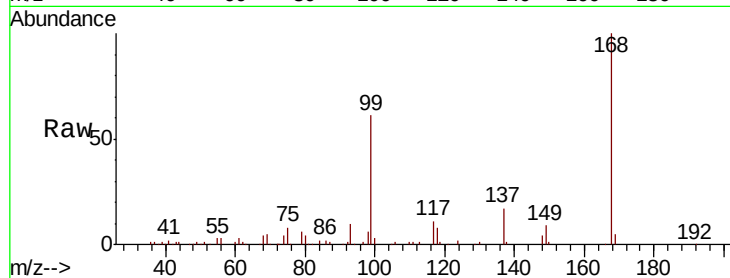
ClientSampled :

Tot Ion:168 Resp: 945685

Ion Ratio Lower Upper

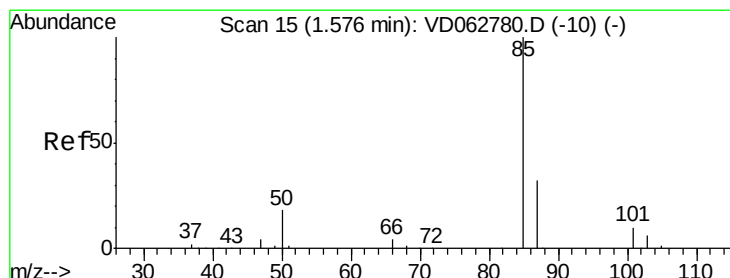
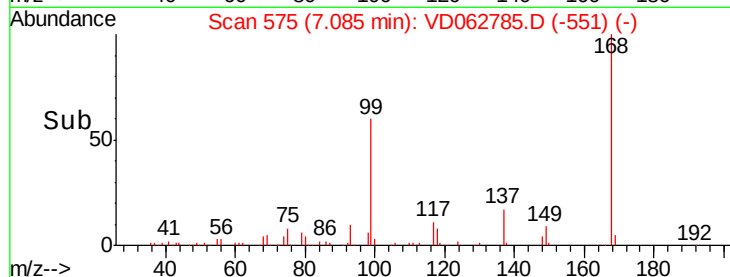
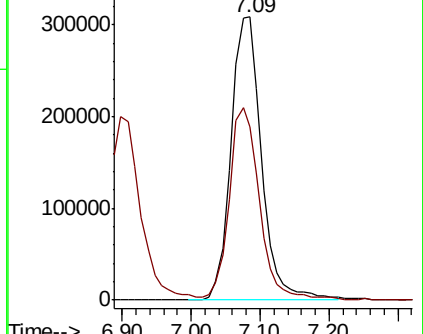
168 100

99 61.2 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: 50.311 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062785.D

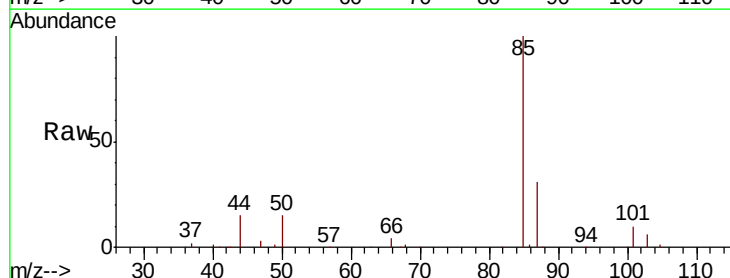
Acq: 20 Jun 2019 10:59

Tgt Ion: 85 Resp: 615683

Ion Ratio Lower Upper

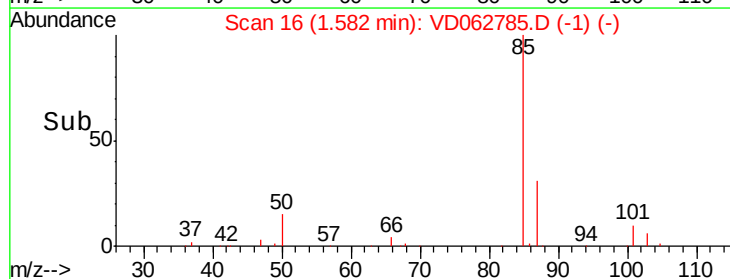
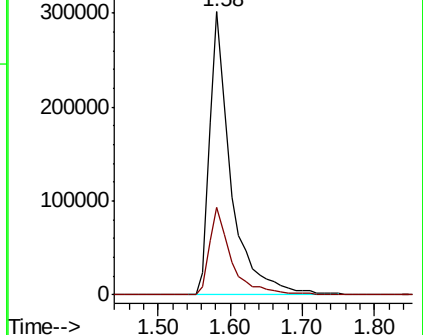
85 100

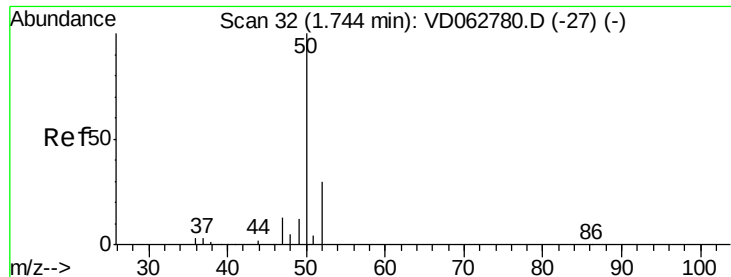
87 30.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.699 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

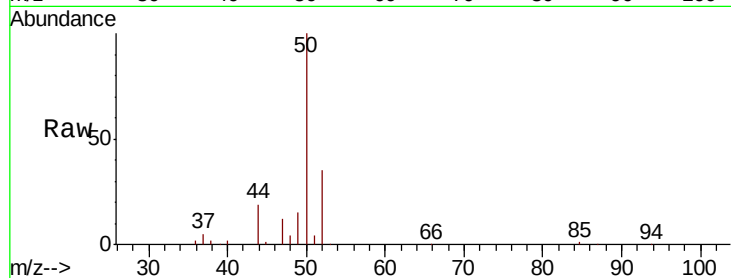
ClientSampleId :

Tot Ion: 50 Resp: 448194

Ion Ratio Lower Upper

50 100

52 35.0 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

150000

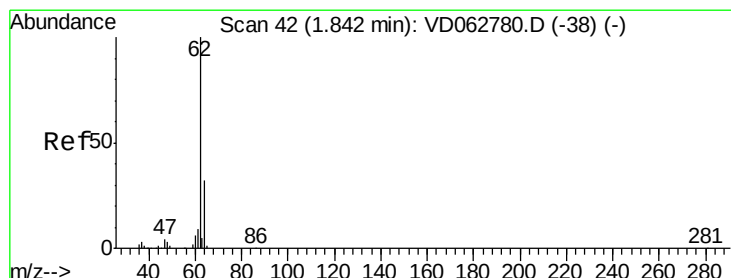
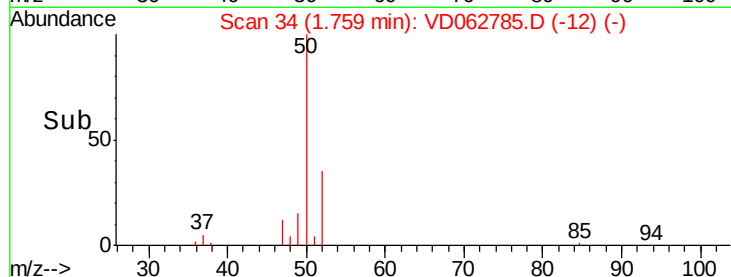
100000

50000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 52.914 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062785.D

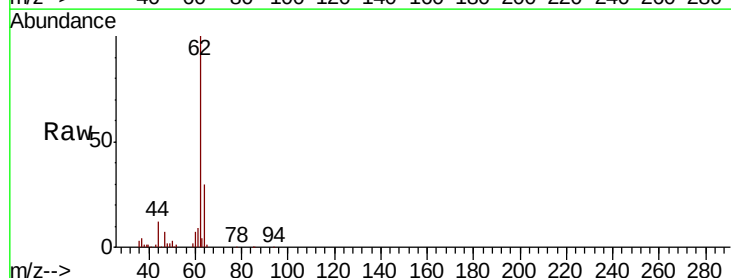
Acq: 20 Jun 2019 10:59

Tgt Ion: 62 Resp: 482850

Ion Ratio Lower Upper

62 100

64 30.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

250000

200000

150000

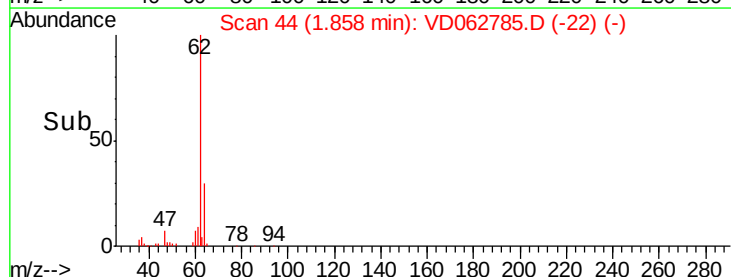
100000

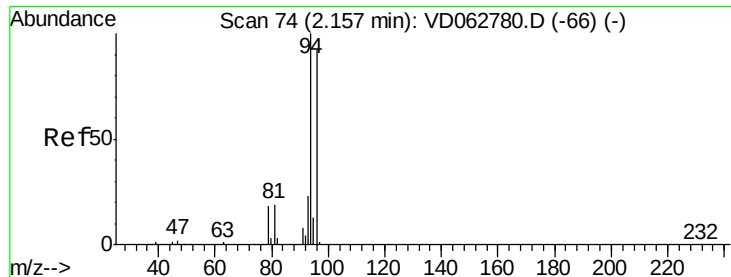
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 56.717 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

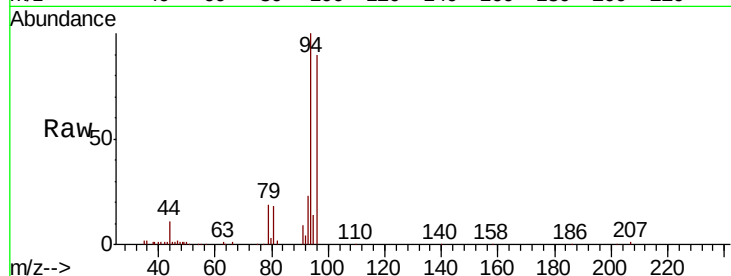
Tot Ion: 94 Resp: 242376

Ion Ratio Lower Upper

94 100

96 89.5 73.4 110.2

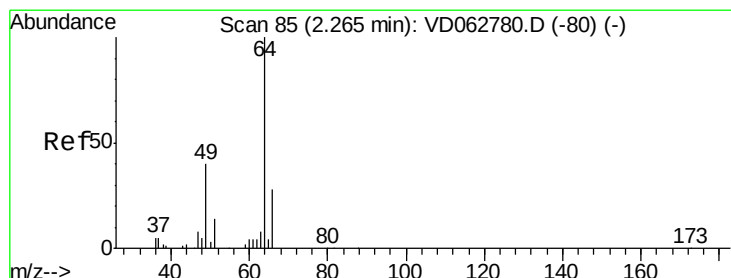
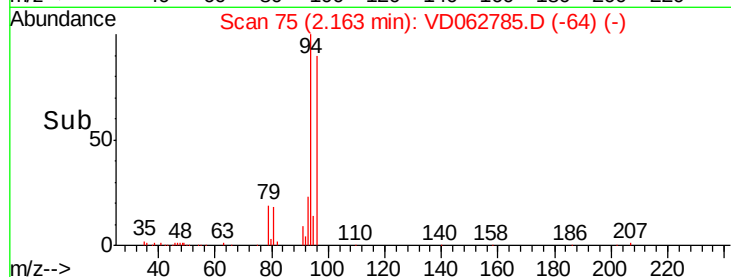
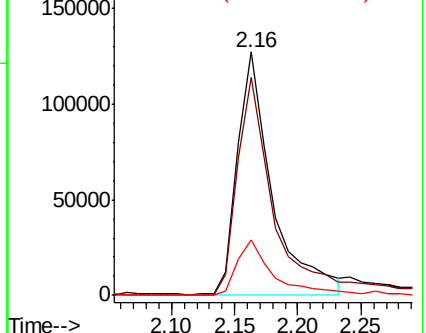
93 23.0 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 54.197 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.02 min

Lab File: VD062785.D

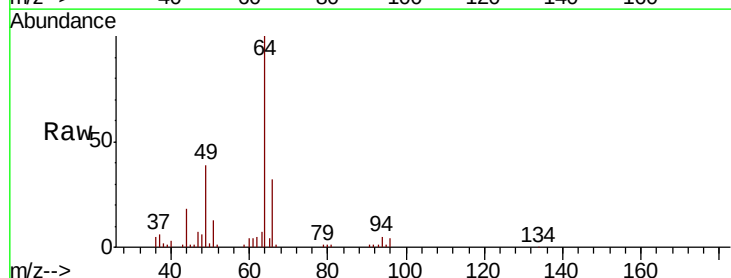
Acq: 20 Jun 2019 10:59

Tgt Ion: 64 Resp: 223903

Ion Ratio Lower Upper

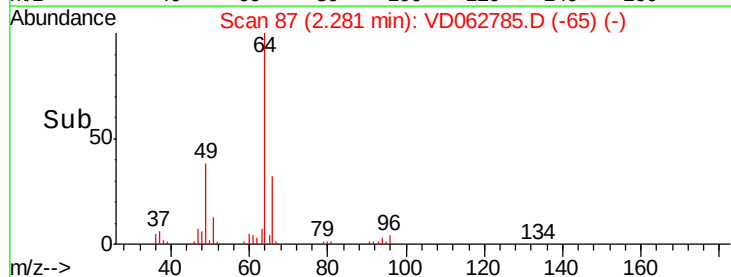
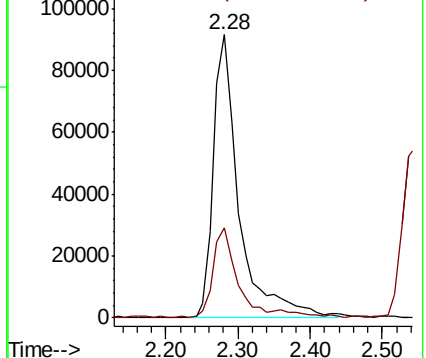
64 100

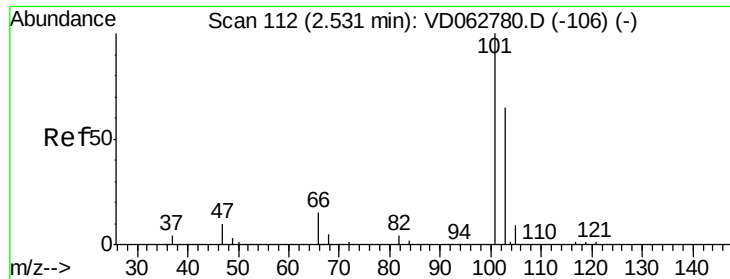
66 31.8 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



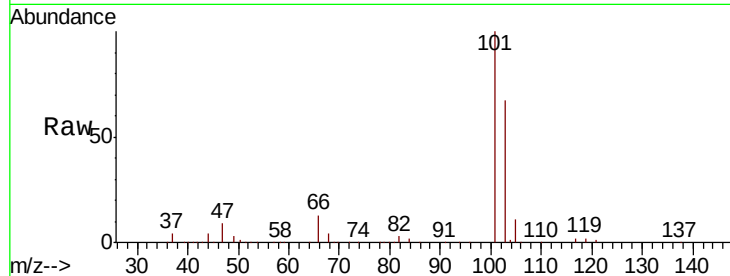


#7

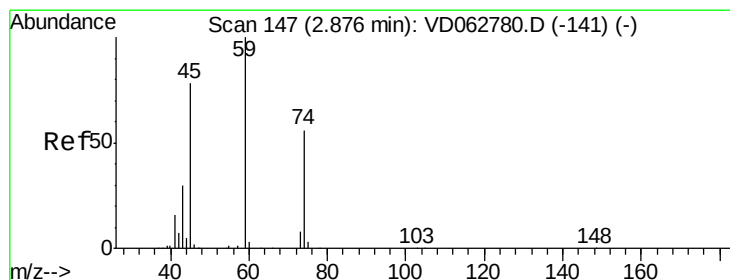
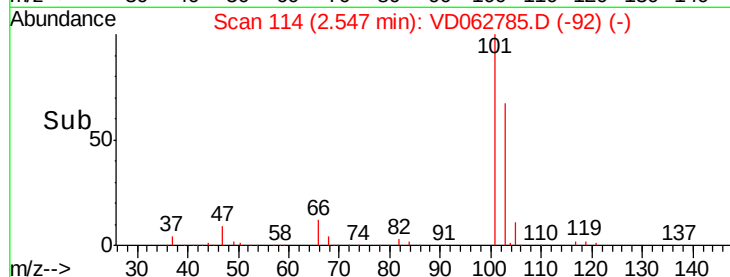
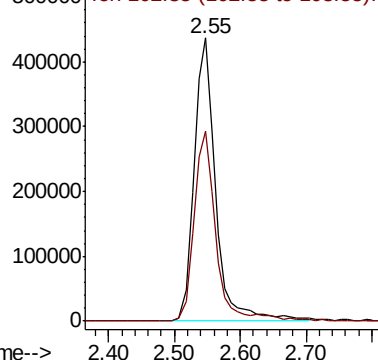
Trichlorofluoromethane
Concen: 53.976 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 996796
Ion Ratio Lower Upper
101 100
103 67.0 51.8 77.8



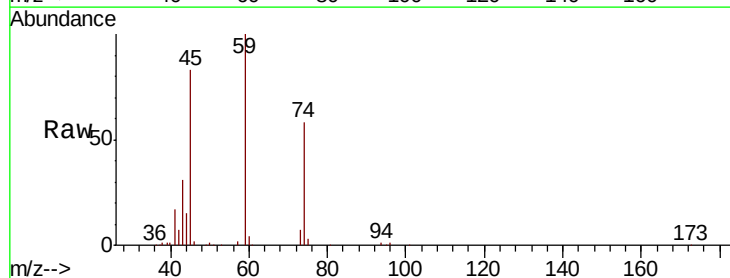
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



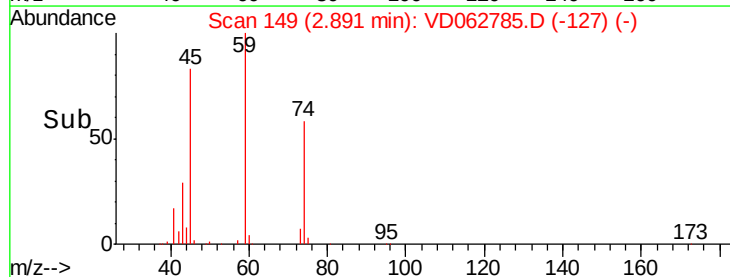
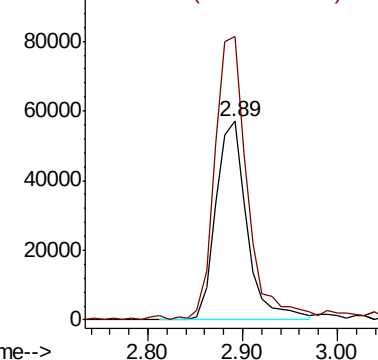
#8

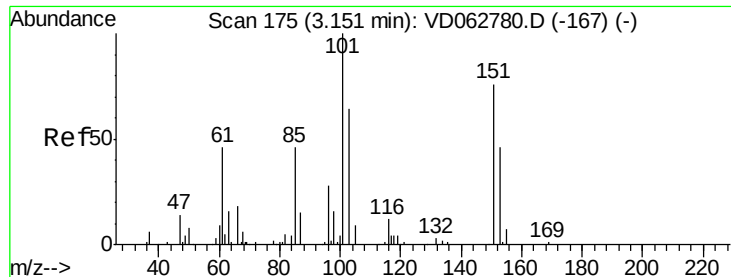
Diethyl Ether
Concen: 55.377 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 74 Resp: 129937
Ion Ratio Lower Upper
74 100
45 142.6 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.319 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampled :

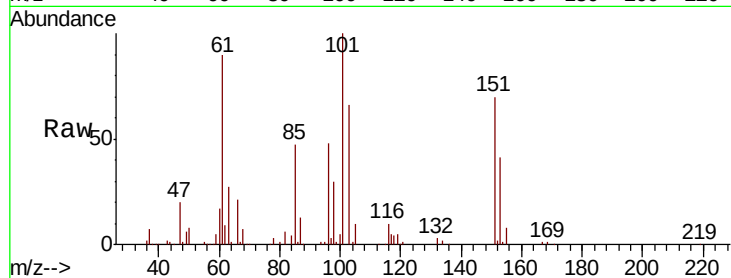
Tot Ion:101 Resp: 533447

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.4

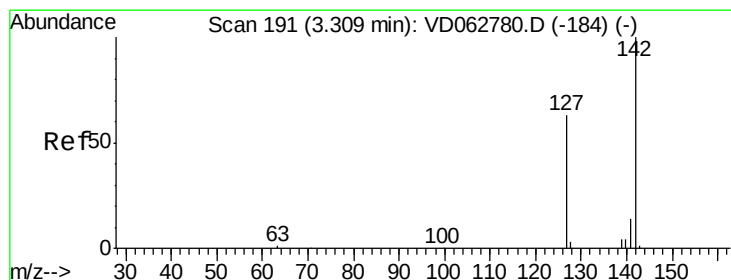
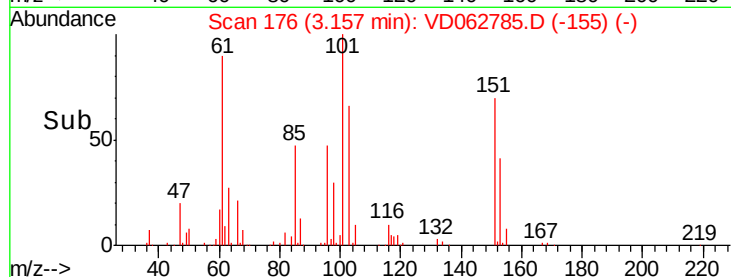
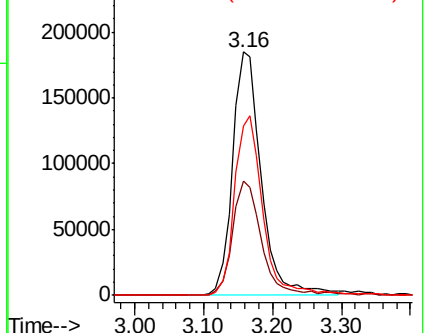
151 69.6 60.5 90.7



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: 52.275 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

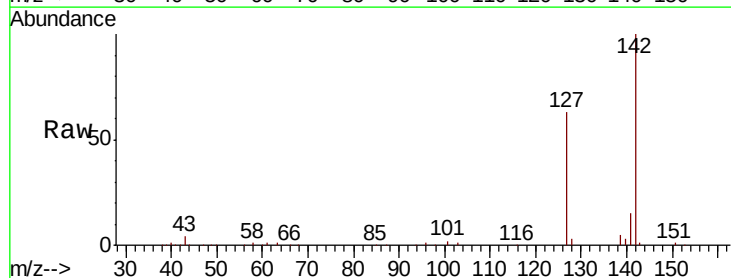
Tgt Ion:142 Resp: 689987

Ion Ratio Lower Upper

142 100

127 63.2 50.1 75.1

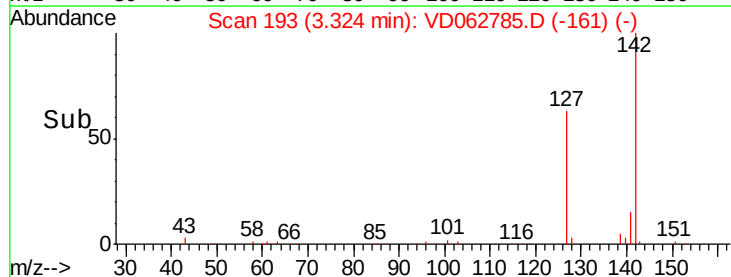
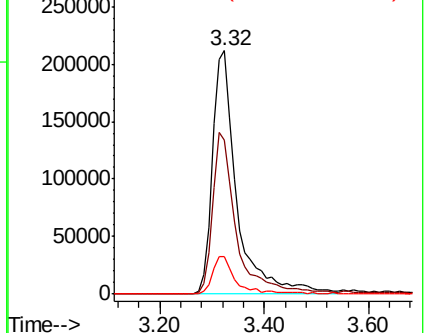
141 15.2 11.0 16.4

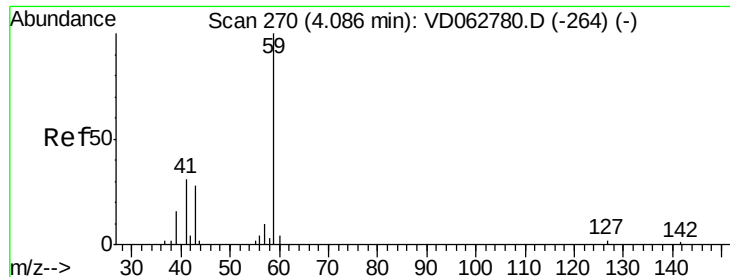


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

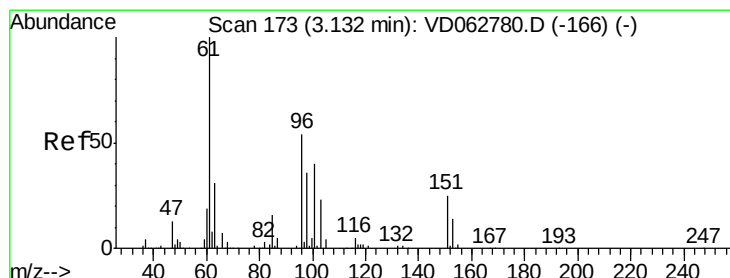
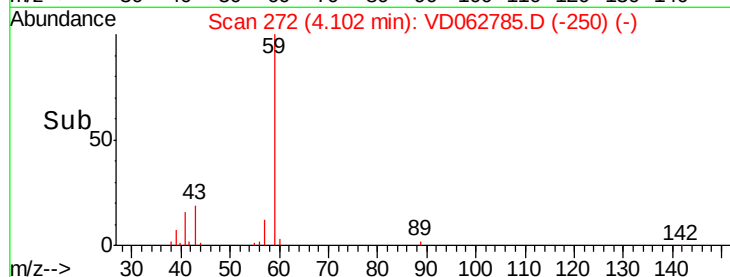
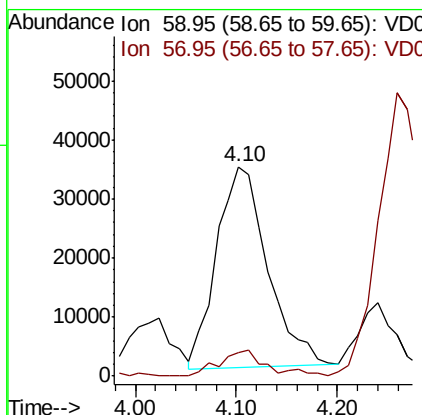
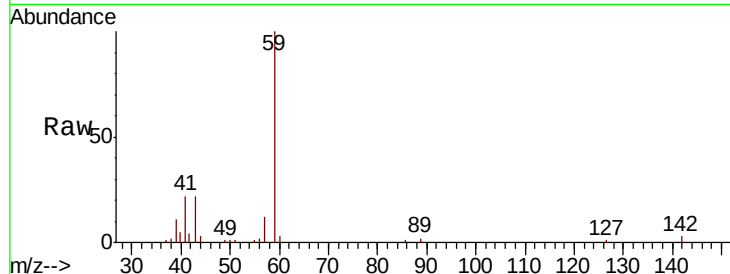




#11
Tert butyl alcohol
Concen: 255.446 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.02 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

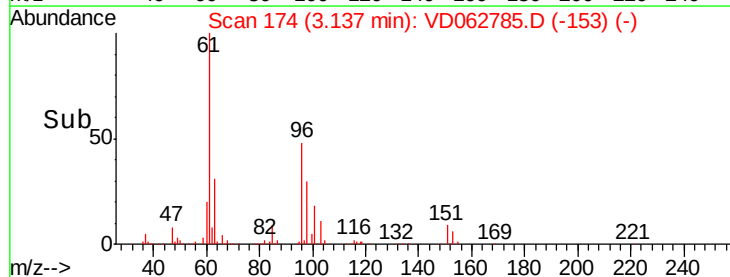
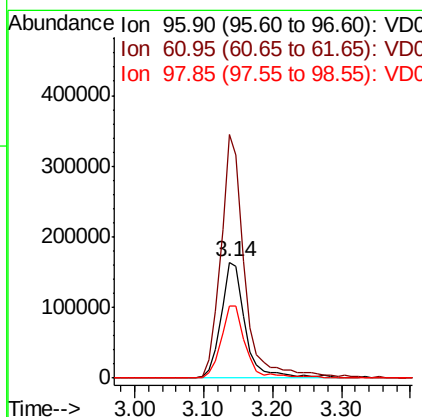
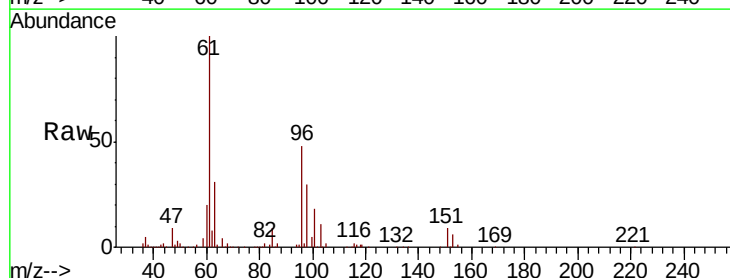
Instrument :
MSVOA_D
ClientSampleId :

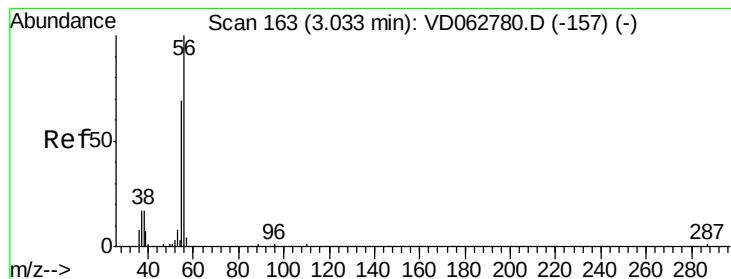
Tot Ion: 59 Resp: 119593
Ion Ratio Lower Upper
59 100
57 11.5 6.6 10.0#



#12
1,1-Dichloroethene
Concen: 53.131 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 96 Resp: 398759
Ion Ratio Lower Upper
96 100
61 210.0 147.1 220.7
98 62.3 52.6 79.0





#13

Acrolein

Concen: 251.563 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

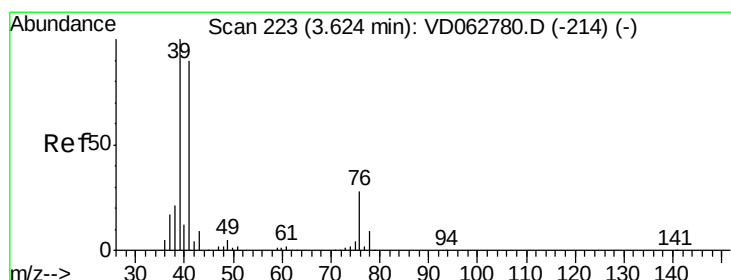
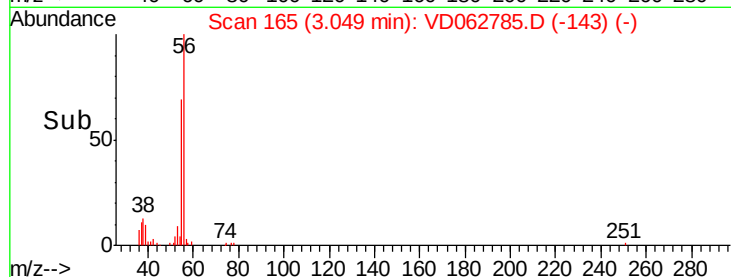
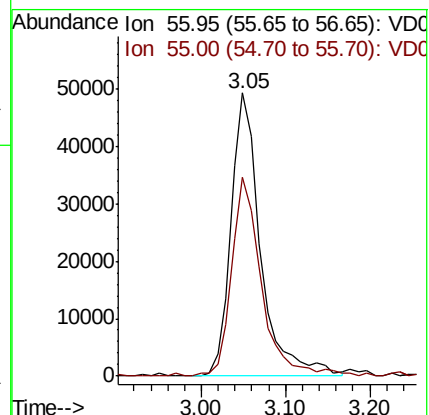
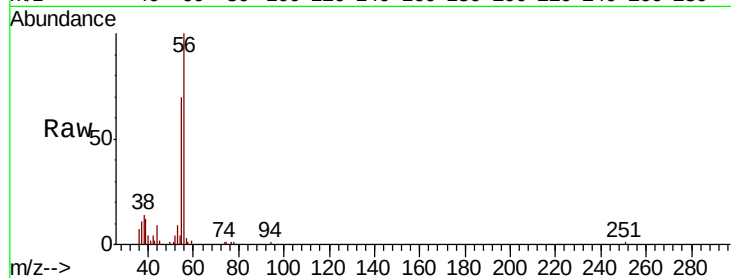
ClientSampled :

Tot Ion: 56 Resp: 120235

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.0



#14

Allyl chloride

Concen: 54.213 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

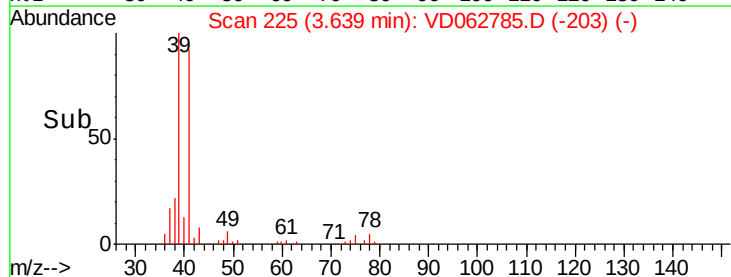
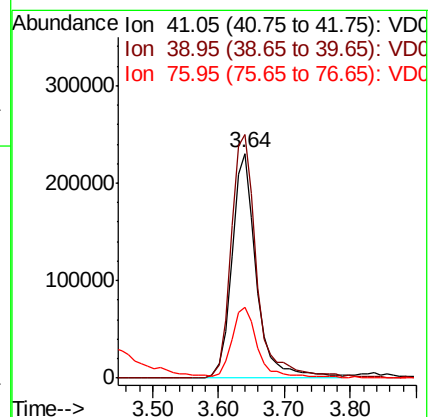
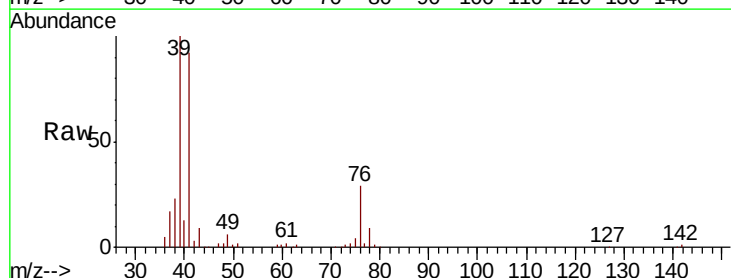
Tgt Ion: 41 Resp: 601215

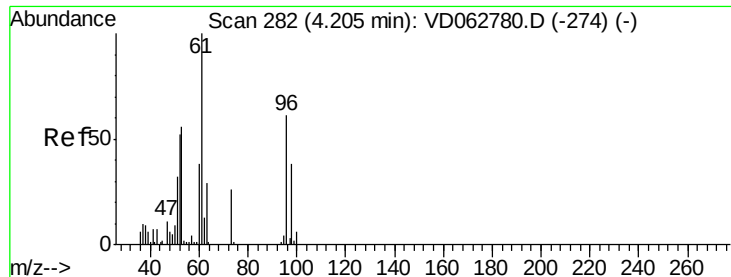
Ion Ratio Lower Upper

41 100

39 108.4 88.8 133.2

76 31.6 26.7 40.1





#15

Acrylonitrile

Concen: 257.514 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampled :

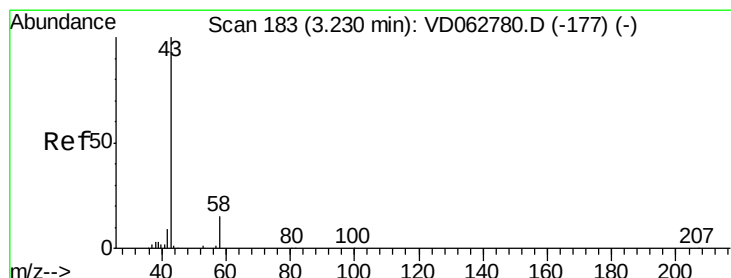
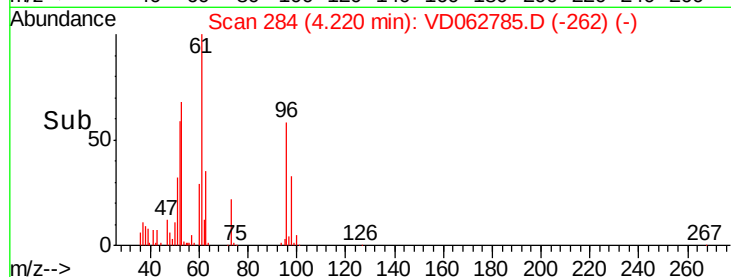
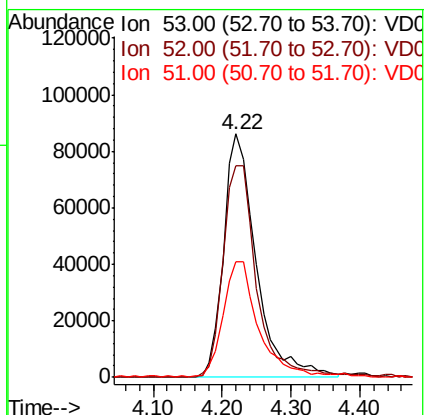
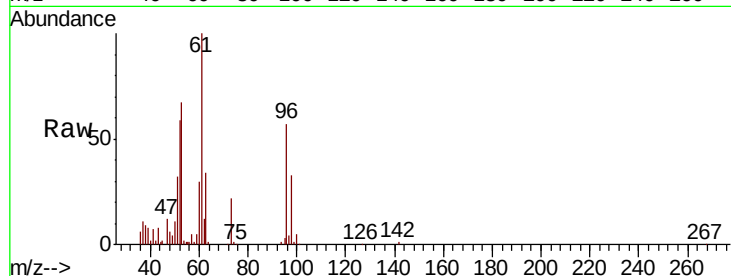
Tot Ion: 53 Resp: 283287

Ion Ratio Lower Upper

53 100

52 86.8 73.3 109.9

51 47.7 44.8 67.2



#16

Acetone

Concen: 280.777 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062785.D

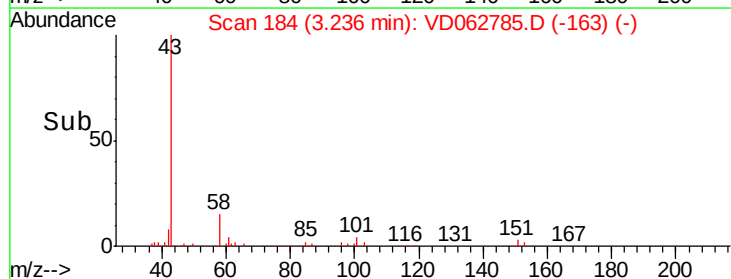
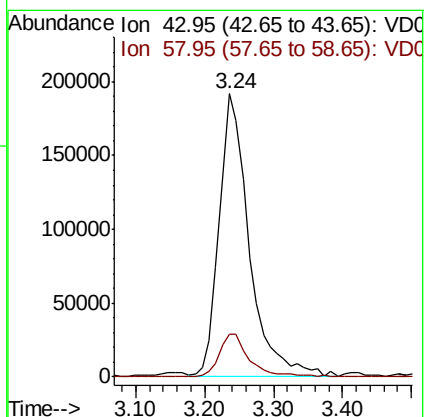
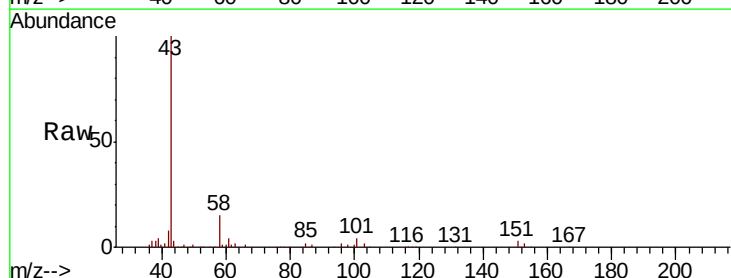
Acq: 20 Jun 2019 10:59

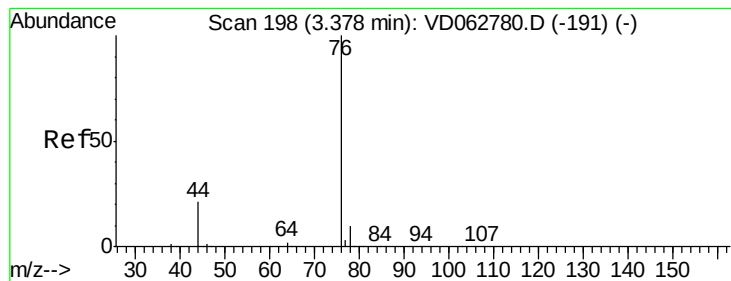
Tgt Ion: 43 Resp: 583507

Ion Ratio Lower Upper

43 100

58 15.0 11.9 17.9





#17

Carbon Disulfide

Concen: 52.733 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

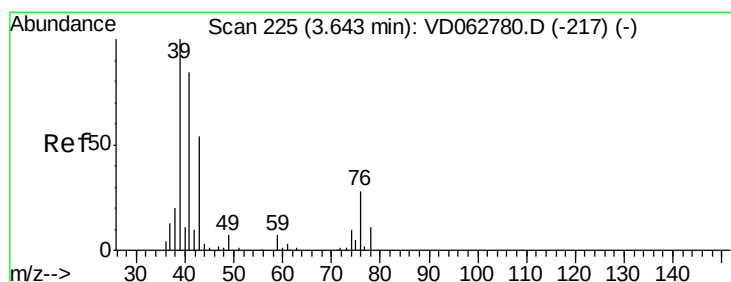
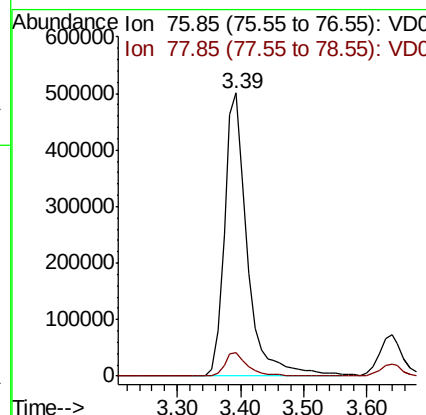
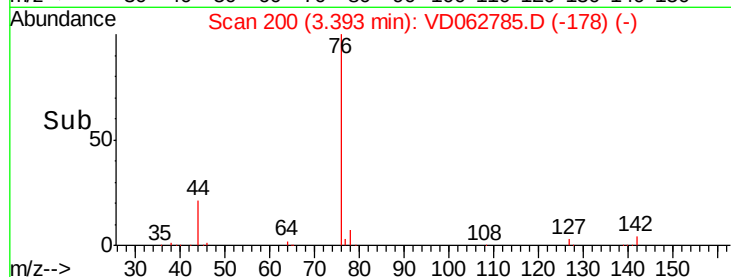
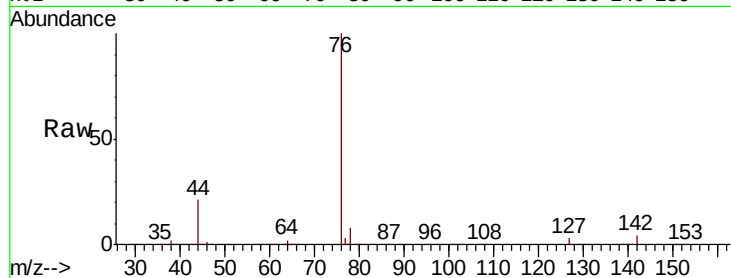
ClientSampled :

Tot Ion: 76 Resp: 1264890

Ion Ratio Lower Upper

76 100

78 8.1 8.0 12.0



#18

Methyl Acetate

Concen: 51.318 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062785.D

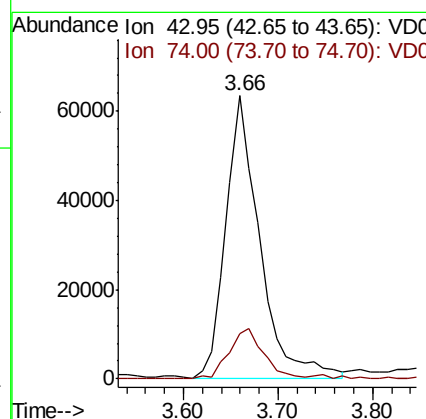
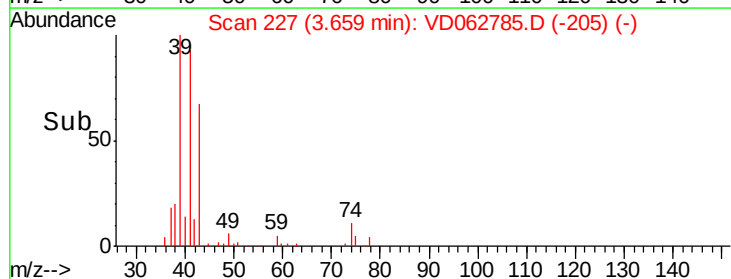
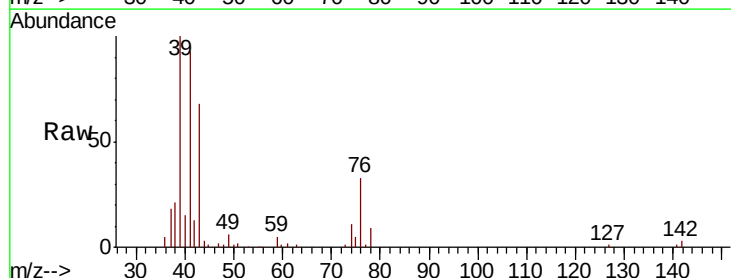
Acq: 20 Jun 2019 10:59

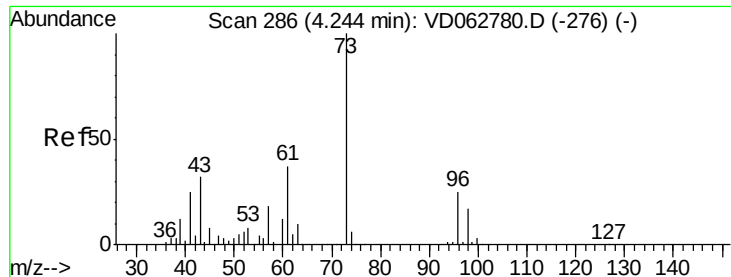
Tgt Ion: 43 Resp: 159246

Ion Ratio Lower Upper

43 100

74 15.8 15.2 22.8



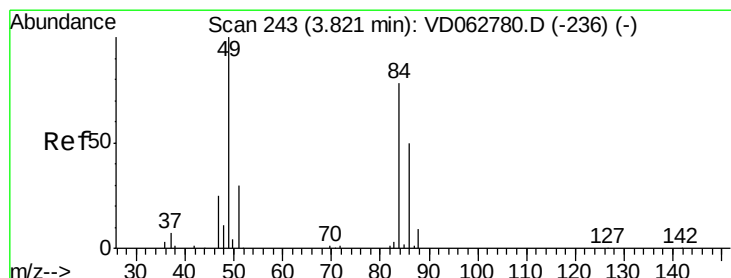
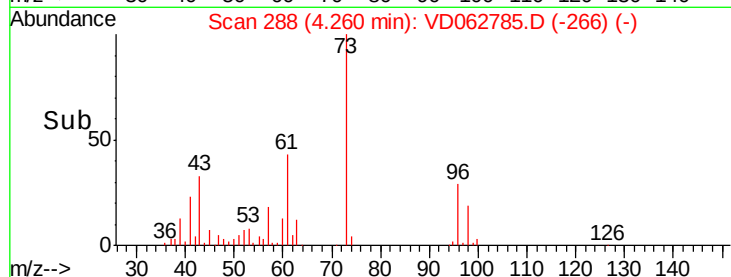
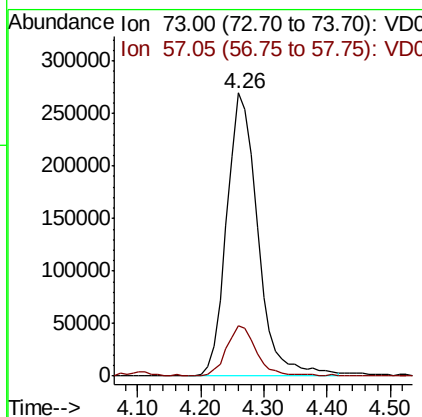
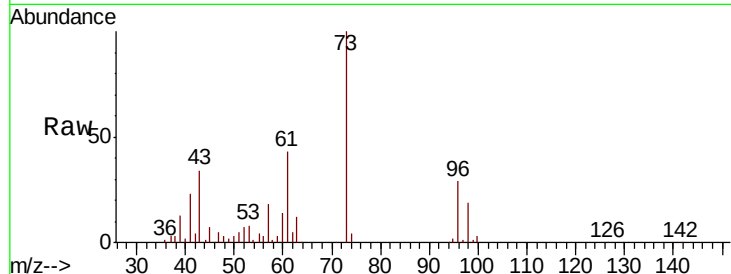


#19

Methyl tert-butyl Ether
 Concen: 56.826 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleID :

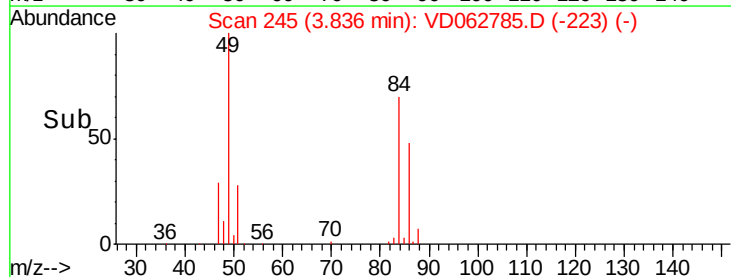
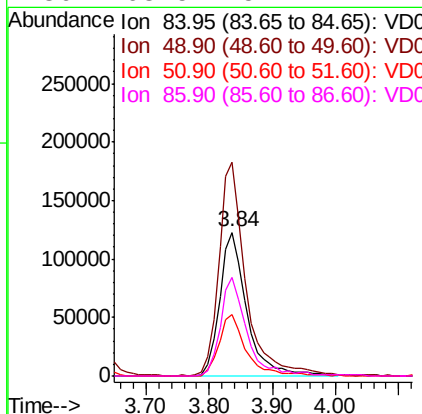
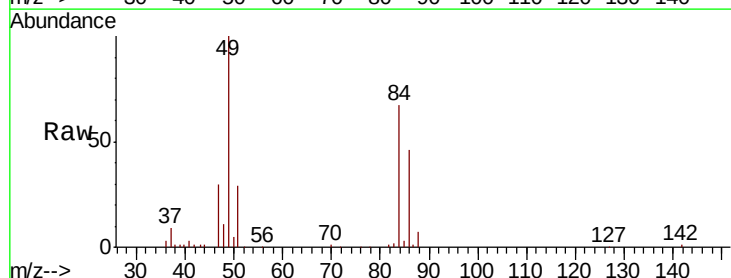
Tot Ion: 73 Resp: 923289
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.3 21.5

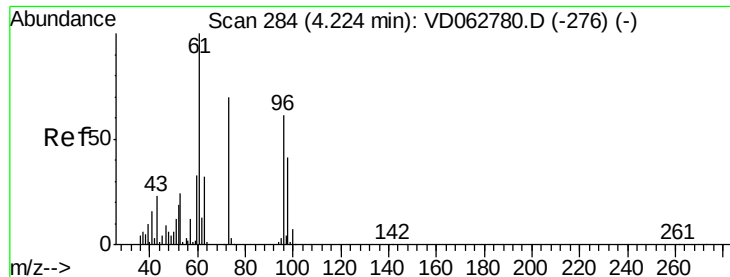


#20

Methylene Chloride
 Concen: 46.760 ug/l
 RT: 3.84 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion: 84 Resp: 366577
 Ion Ratio Lower Upper
 84 100
 49 148.5 102.9 154.3
 51 42.5 31.2 46.8
 86 68.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.641 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

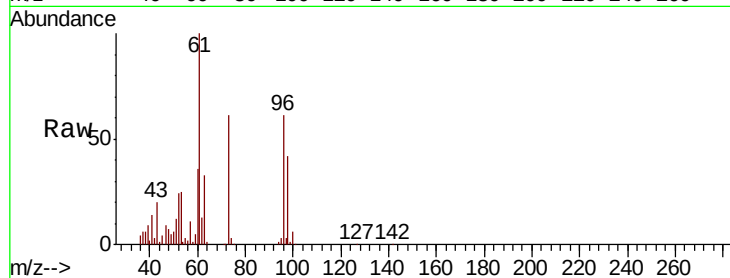
Tot Ion: 96 Resp: 420681

Ion Ratio Lower Upper

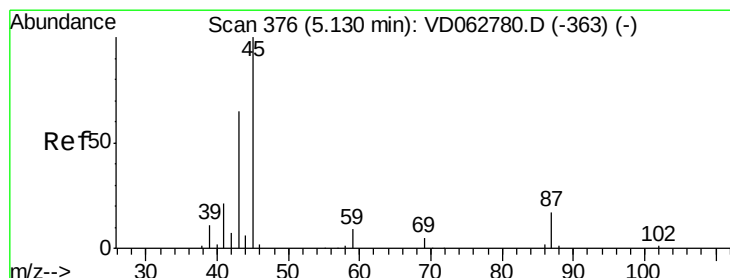
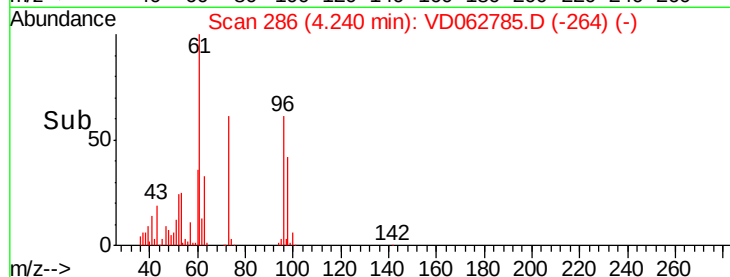
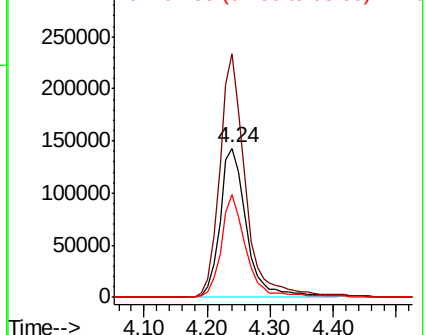
96 100

61 163.2 131.0 196.4

98 68.6 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: 53.827 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Tgt Ion: 45 Resp: 1213950

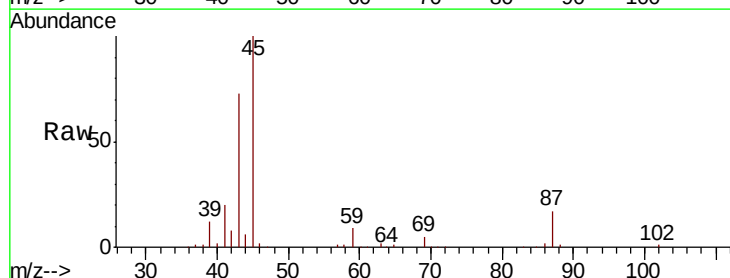
Ion Ratio Lower Upper

45 100

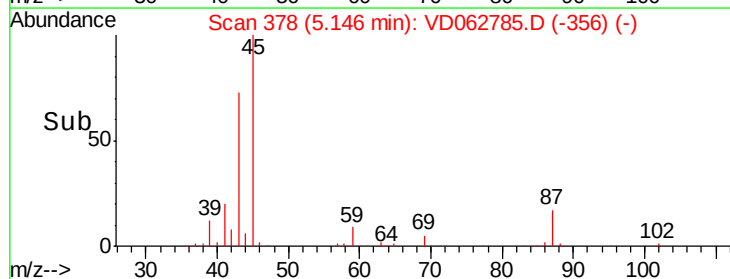
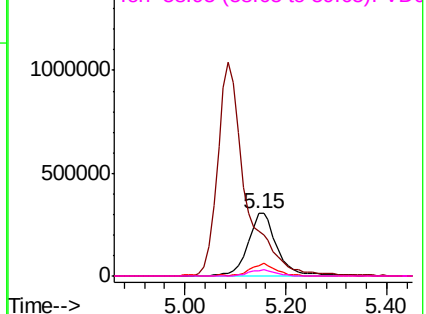
43 72.6 53.4 80.0

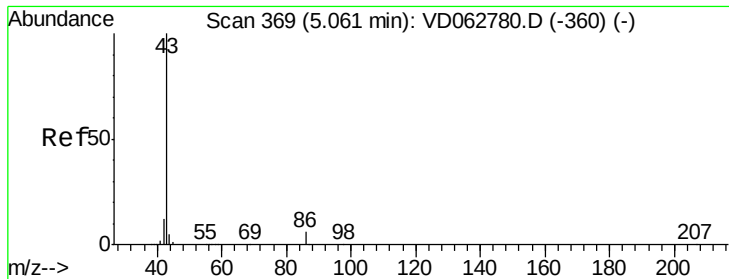
87 17.2 14.6 22.0

59 8.6 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: 282.991 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

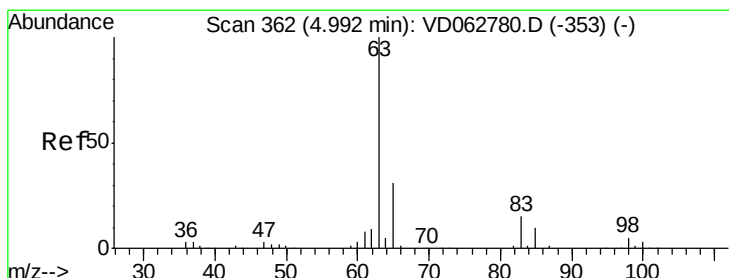
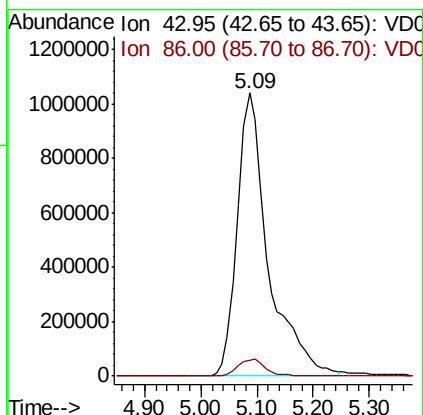
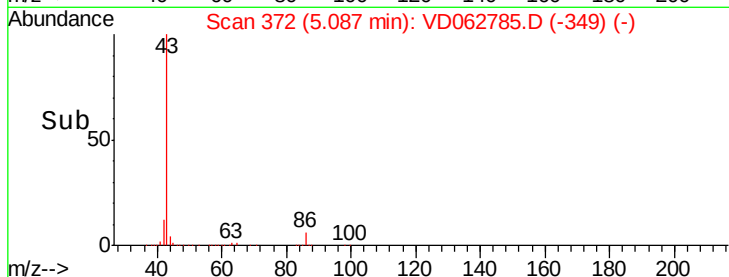
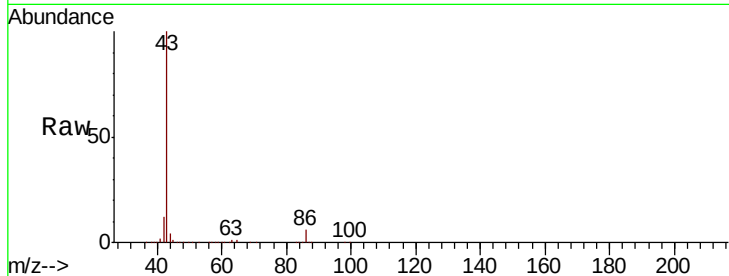
ClientSampleId :

Tot Ion: 43 Resp: 3993663

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



#24

1,1-Dichloroethane

Concen: 53.263 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

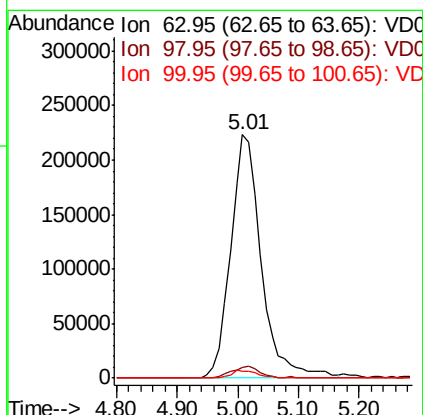
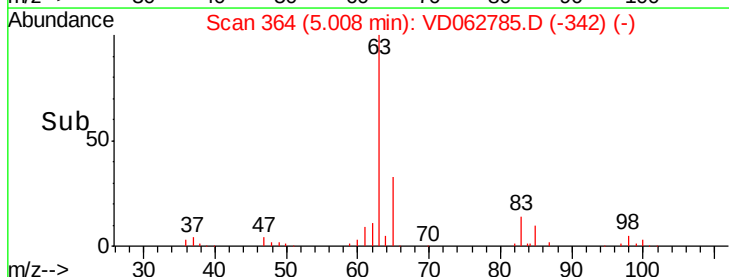
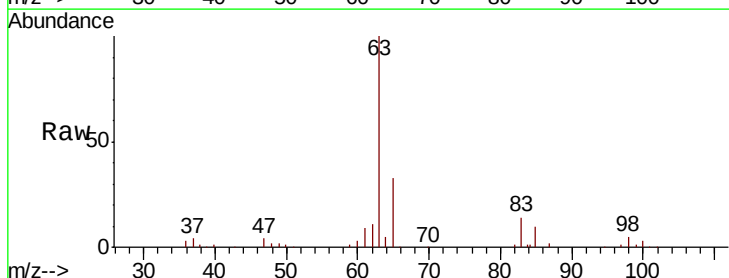
Tgt Ion: 63 Resp: 782095

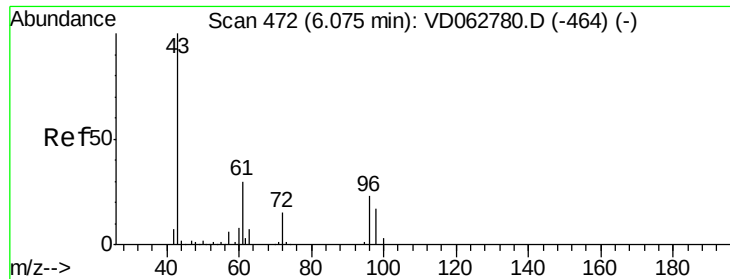
Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

100 2.7 1.7 5.1





#25

2-Butanone

Concen: 297.234 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

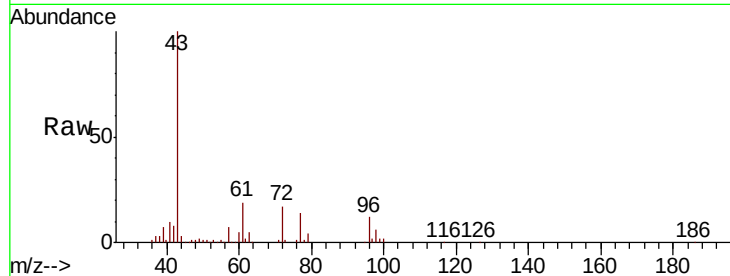
ClientSampleId :

Tot Ion: 43 Resp: 571453

Ion Ratio Lower Upper

43 100

72 17.3 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.11

200000

150000

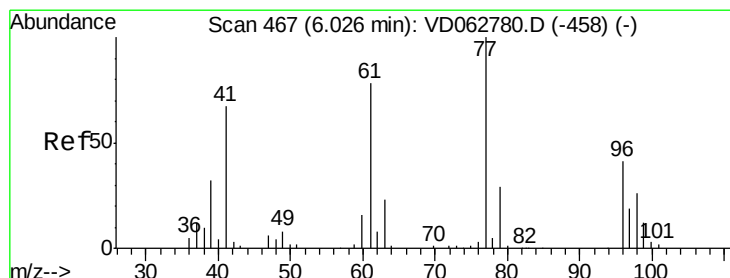
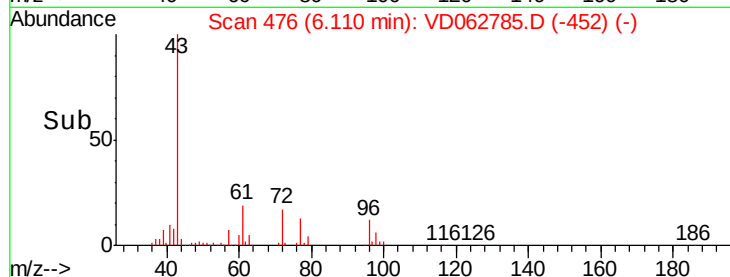
100000

50000

0

Time-->

6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 55.830 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD062785.D

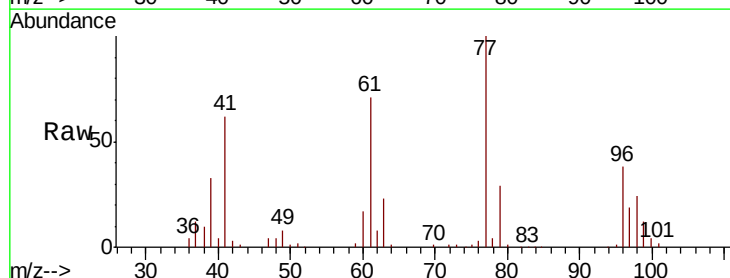
Acq: 20 Jun 2019 10:59

Tgt Ion: 77 Resp: 868937

Ion Ratio Lower Upper

77 100

97 18.8 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.05

250000

200000

150000

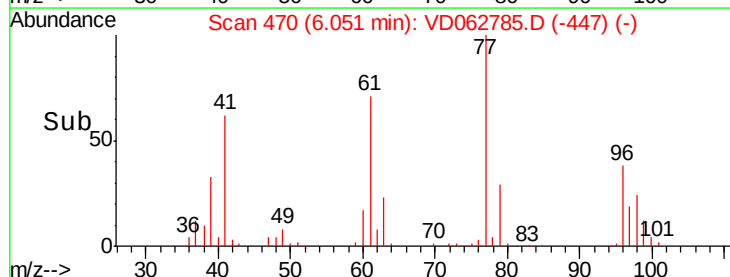
100000

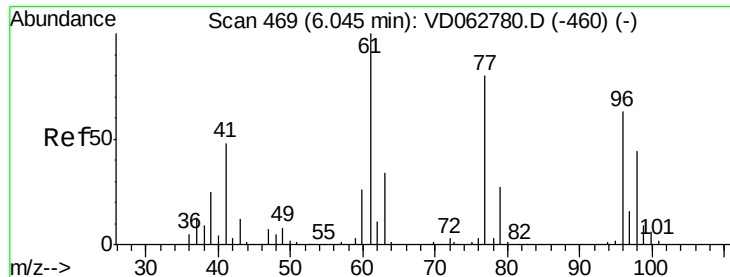
50000

0

Time-->

5.90 6.00 6.10 6.20

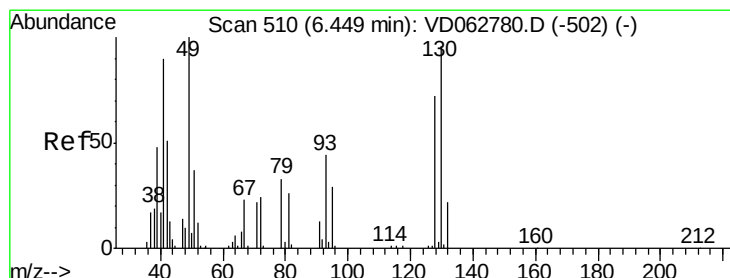
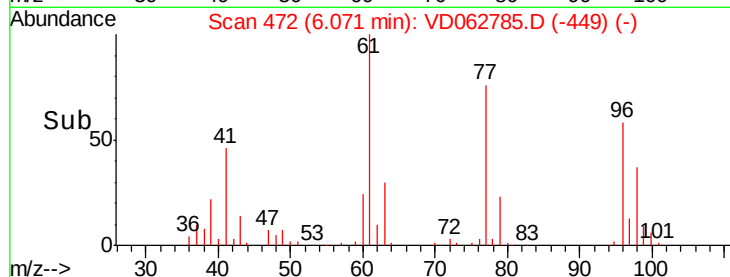
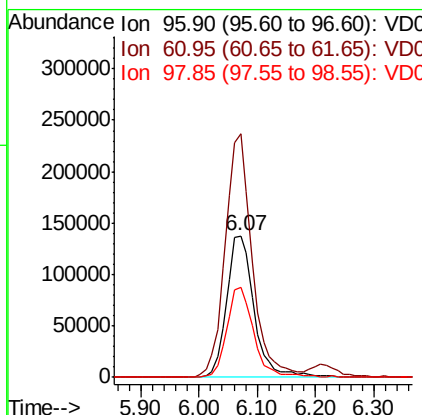
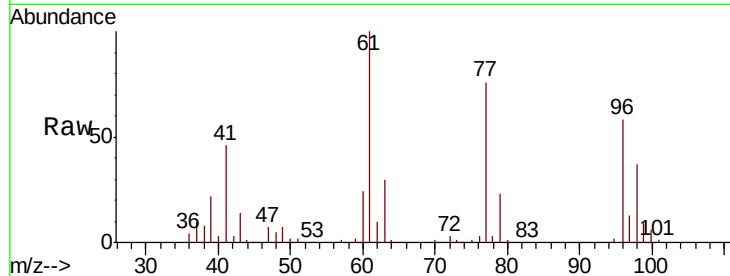




#27
 cis-1,2-Dichloroethene
 Concen: 53.311 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

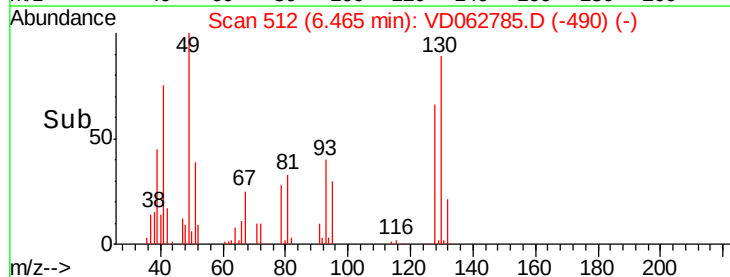
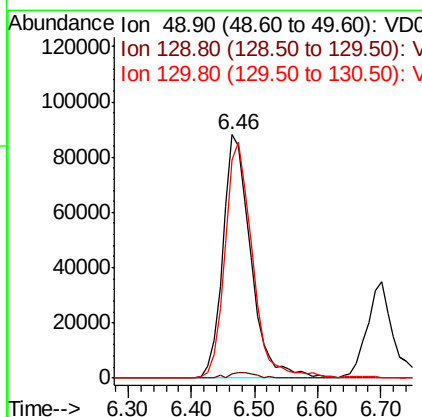
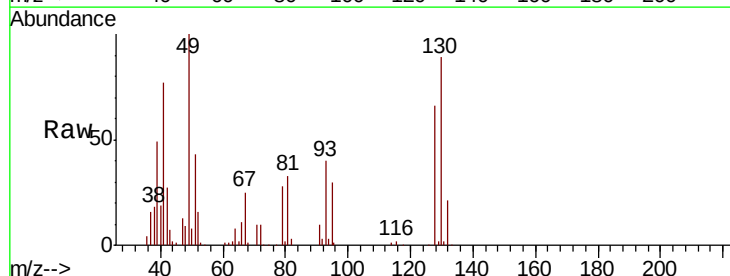
Instrument :
 MSVOA_D
 ClientSampleId :

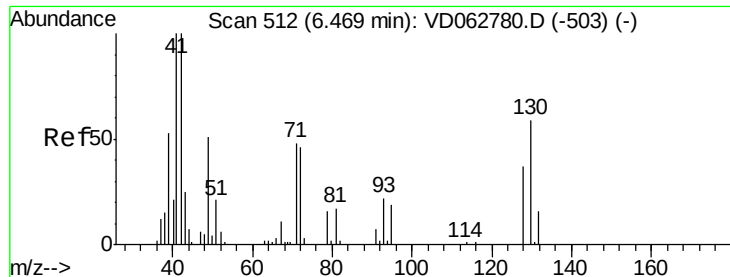
Tot Ion: 96 Resp: 450524
 Ion Ratio Lower Upper
 96 100
 61 172.0 0.0 316.0
 98 63.2 0.0 138.4



#28
 Bromochloromethane
 Concen: 52.144 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion: 49 Resp: 269668
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 5.6
 130 89.5 76.6 114.8





#29

Tetrahydrofuran

Concen: 262.936 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

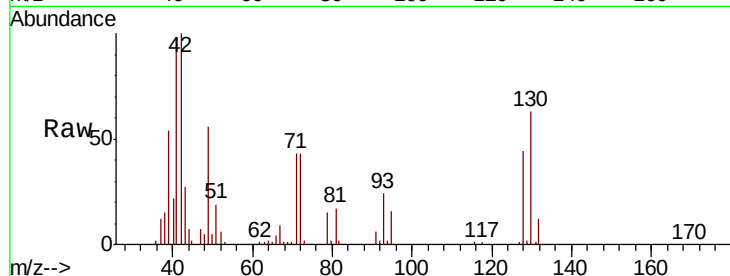
Tot Ion: 42 Resp: 239178

Ion Ratio Lower Upper

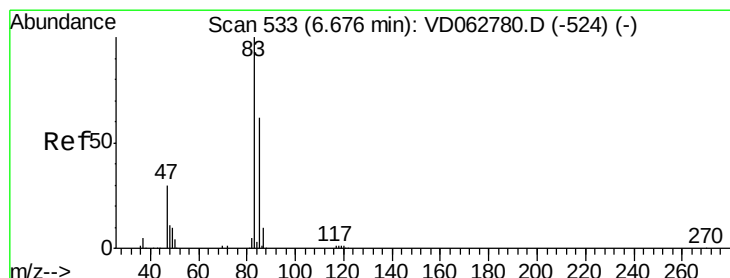
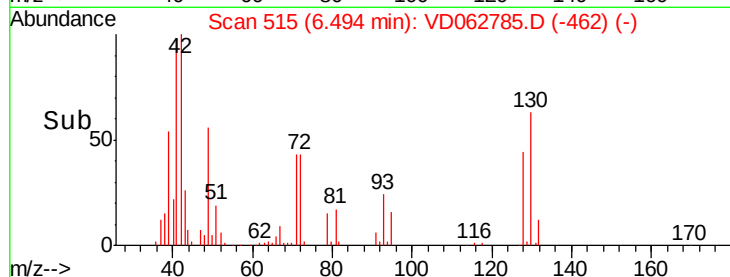
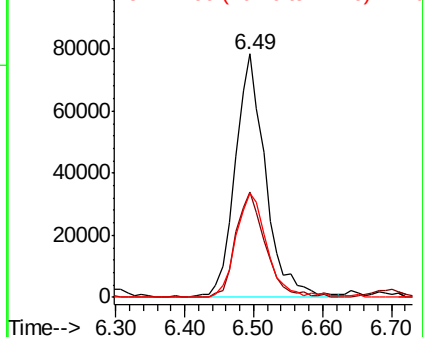
42 100

72 42.1 35.0 52.6

71 43.2 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: 51.382 ug/l

RT: 6.70 min Scan# 536

Delta R.T. 0.03 min

Lab File: VD062785.D

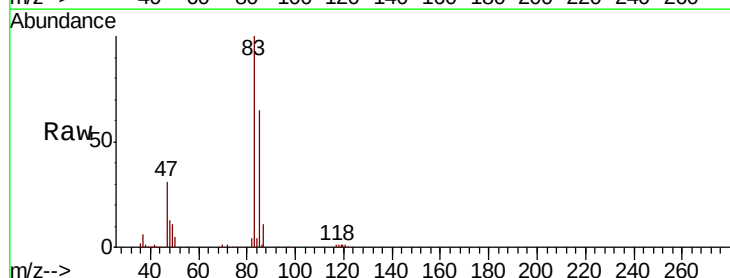
Acq: 20 Jun 2019 10:59

Tgt Ion: 83 Resp: 917559

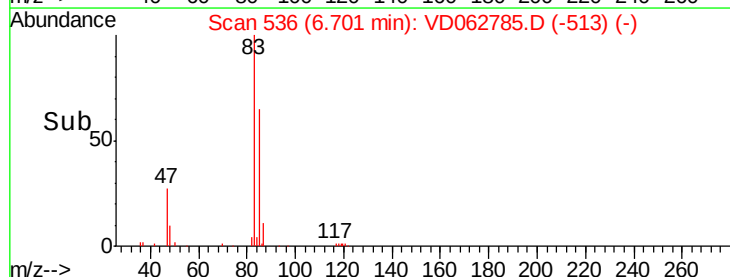
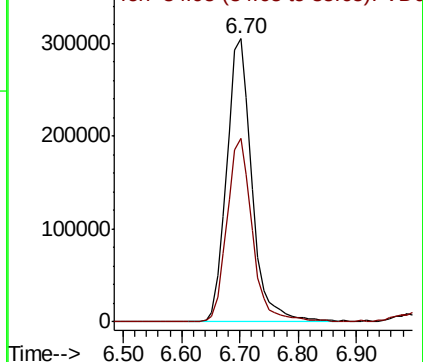
Ion Ratio Lower Upper

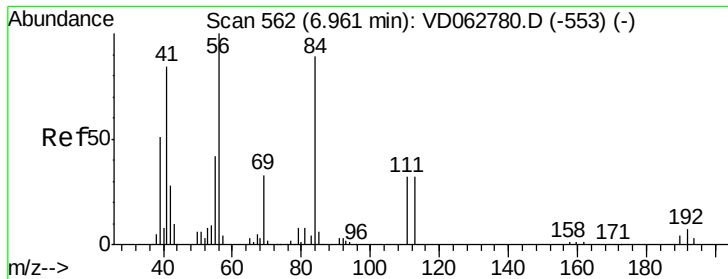
83 100

85 64.8 49.8 74.6



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

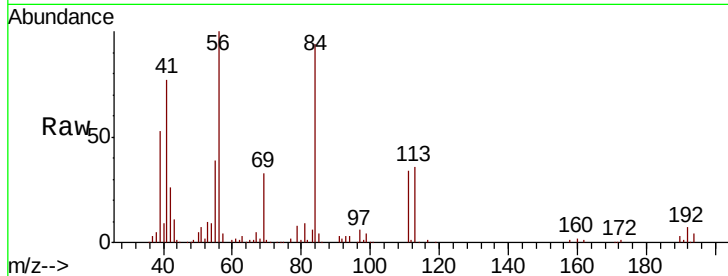




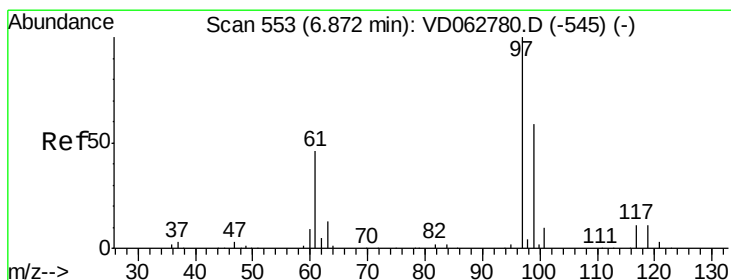
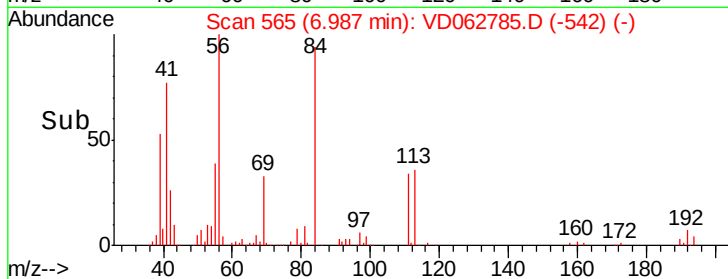
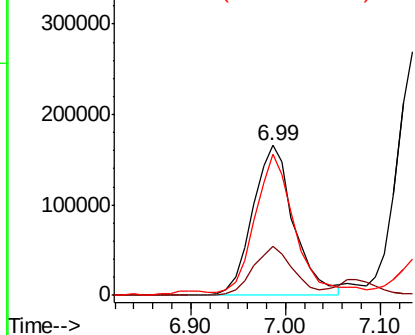
#31
Cyclohexane
Concen: 51.952 ug/l
RT: 6.99 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 501493
Ion Ratio Lower Upper
56 100
69 32.7 26.6 39.8
84 94.3 75.5 113.3

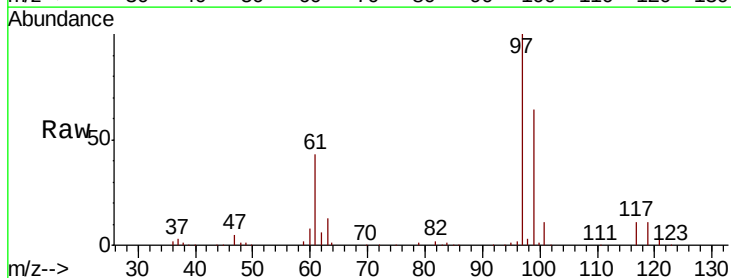


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

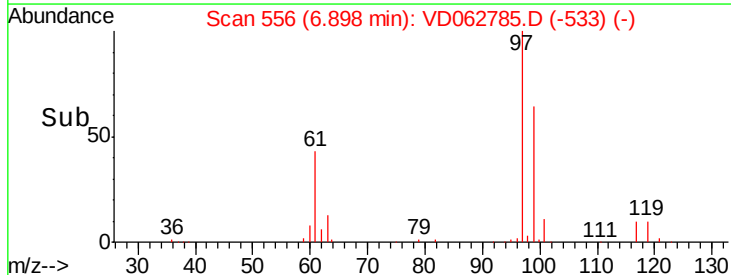
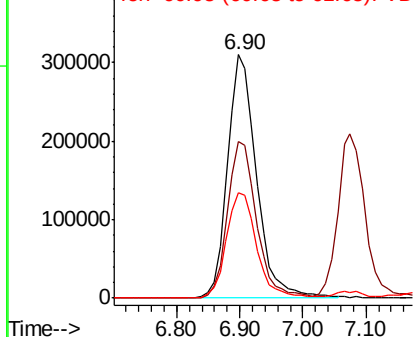


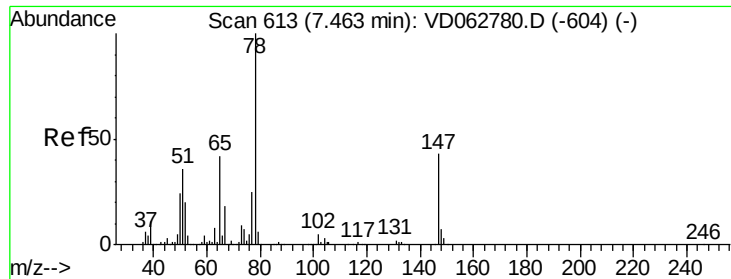
#32
1,1,1-Trichloroethane
Concen: 52.614 ug/l
RT: 6.90 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 97 Resp: 978628
Ion Ratio Lower Upper
97 100
99 64.2 47.4 71.2
61 43.5 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: 54.098 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

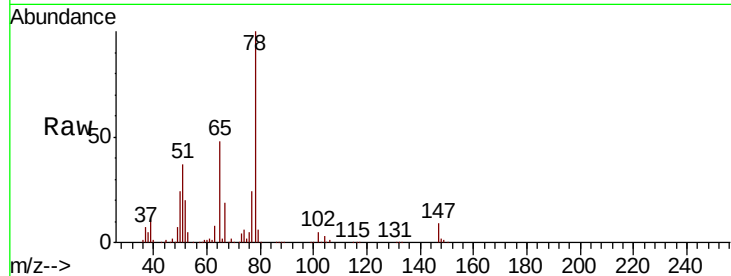
ClientSampleId :

Tot Ion: 65 Resp: 556096

Ion Ratio Lower Upper

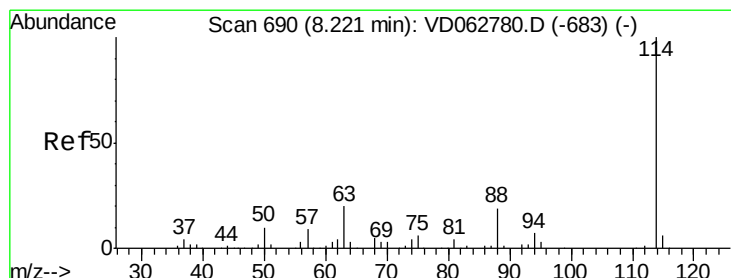
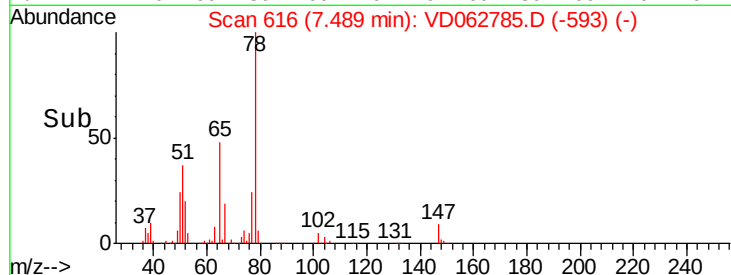
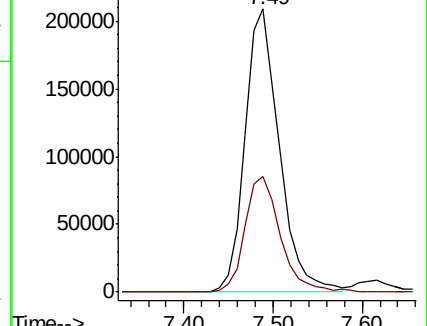
65 100

67 40.7 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: 8.26 min Scan# 694

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

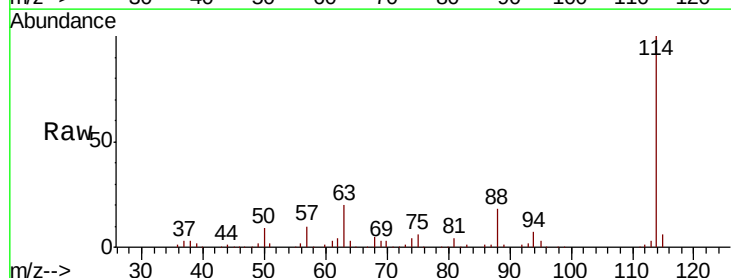
Tgt Ion: 114 Resp: 1336939

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

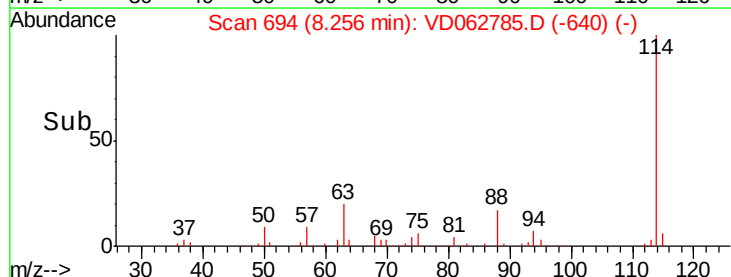
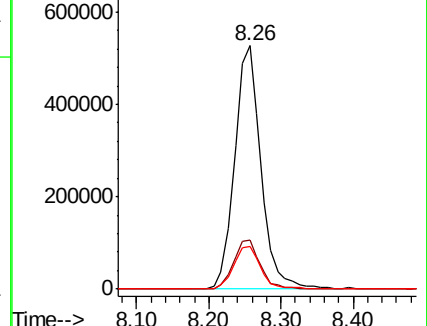
88 17.6 0.0 38.8

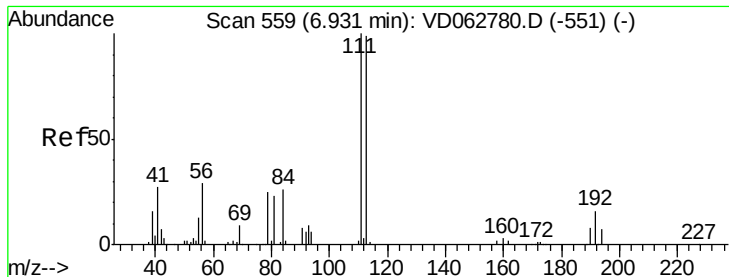


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.290 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

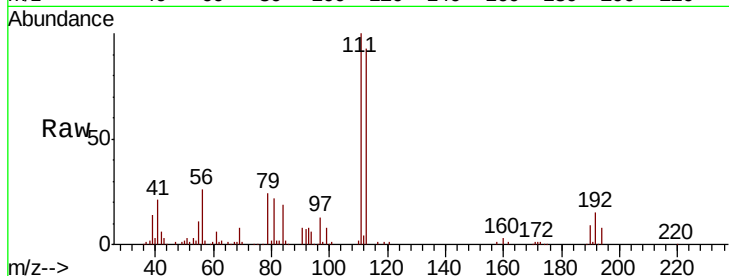
Tot Ion:113 Resp: 555647

Ion	Ratio	Lower	Upper
113	100		
111	107.3	81.2	121.8
192	15.7	12.9	19.3

113 100

111 107.3 81.2 121.8

192 15.7 12.9 19.3

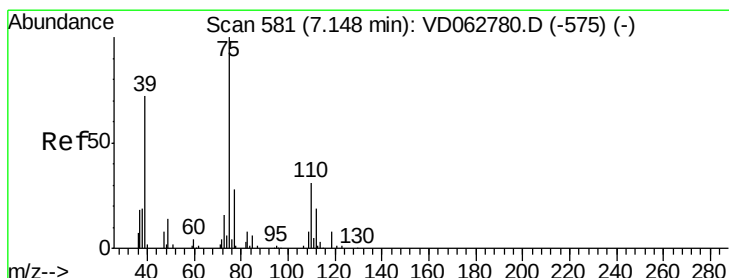
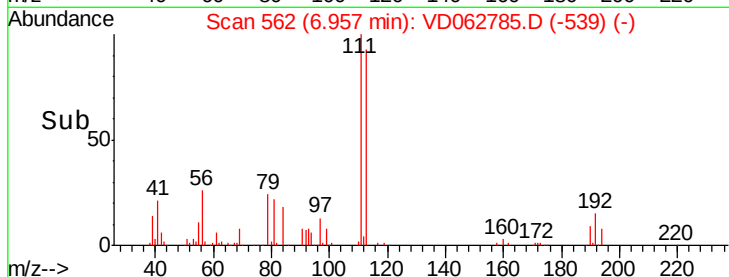
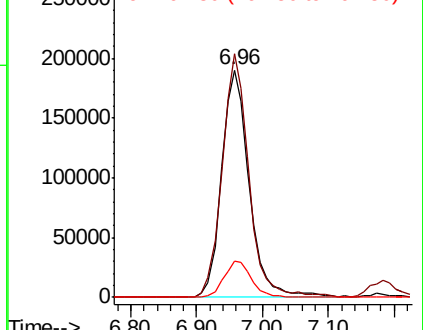


Abundance

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: 51.605 ug/l

RT: 7.18 min Scan# 585

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

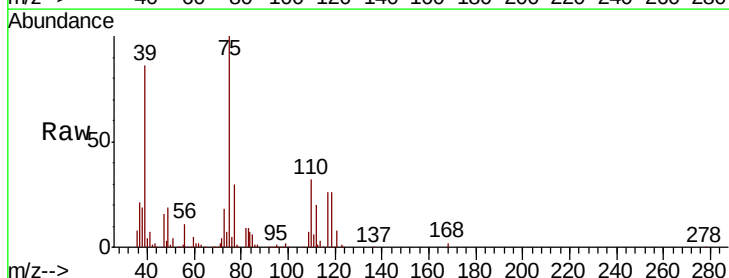
Tgt Ion: 75 Resp: 653109

Ion	Ratio	Lower	Upper
75	100		
110	31.9	15.0	45.1
77	30.5	22.2	33.2

75 100

110 31.9 15.0 45.1

77 30.5 22.2 33.2

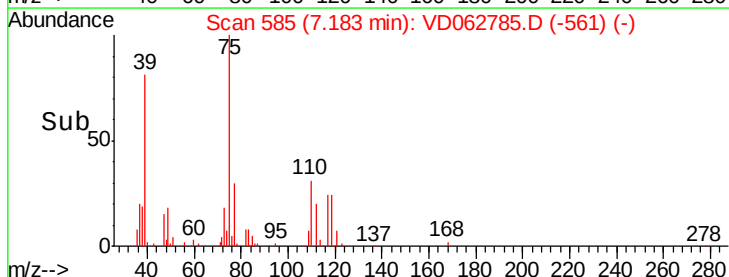
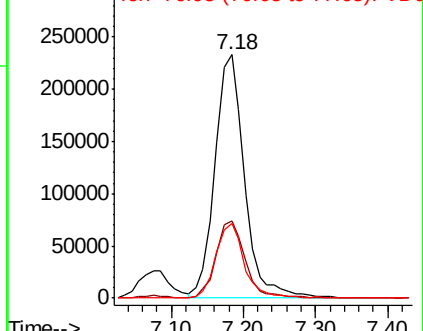


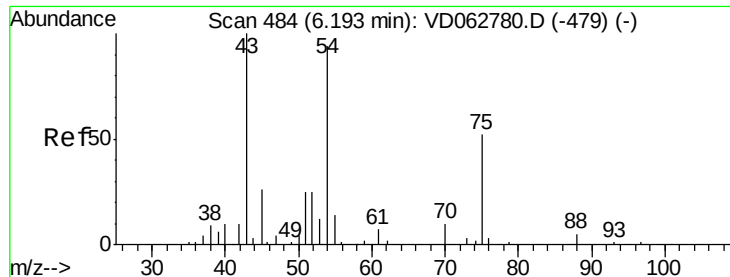
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 49.819 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.02 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

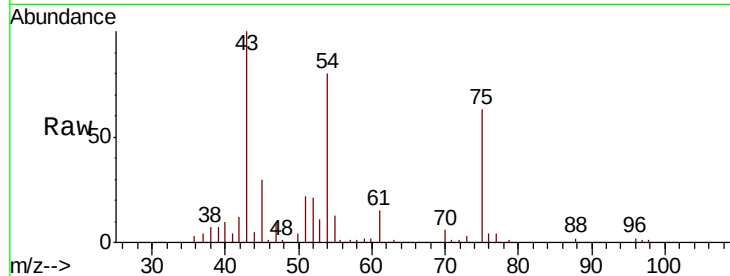
Tot Ion: 43 Resp: 264881

Ion Ratio Lower Upper

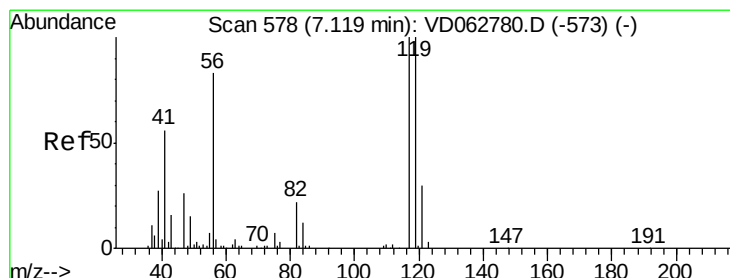
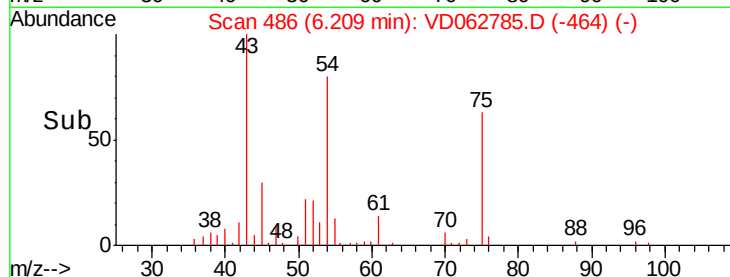
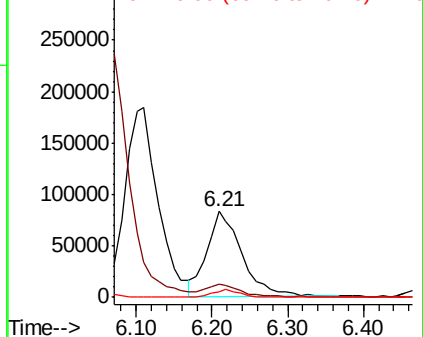
43 100

61 14.7 11.6 17.4

70 6.4 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: 55.718 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

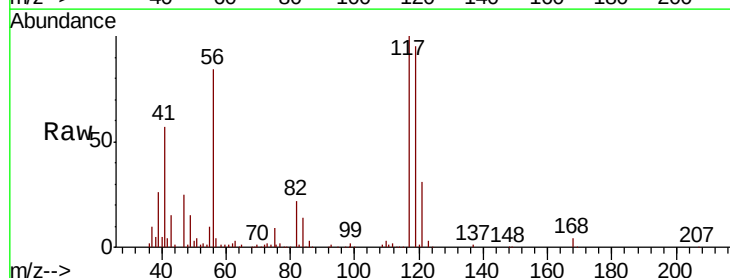
Tgt Ion: 117 Resp: 1060553

Ion Ratio Lower Upper

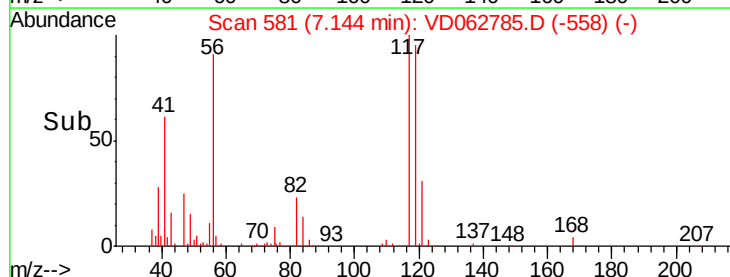
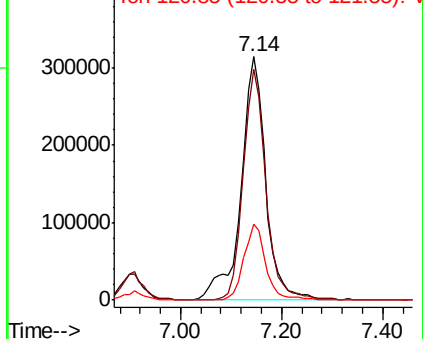
117 100

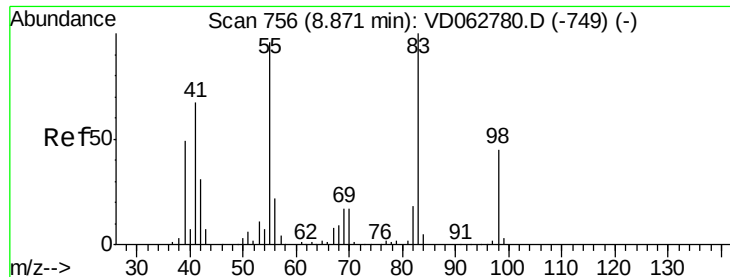
119 95.0 75.4 113.2

121 31.3 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

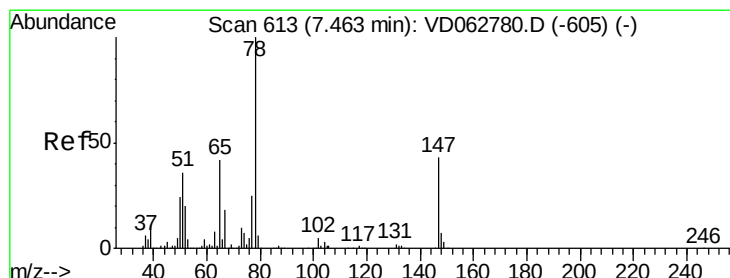
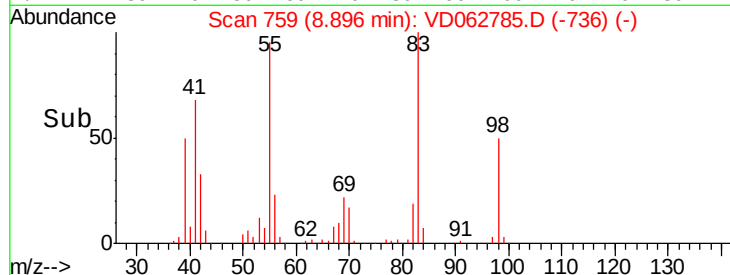
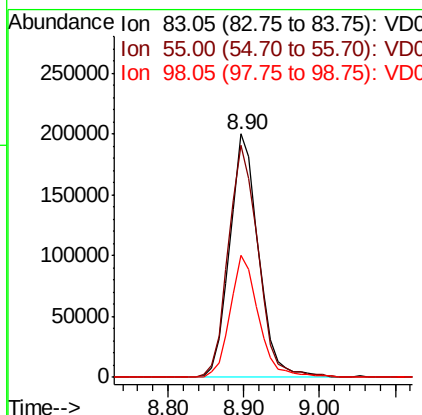
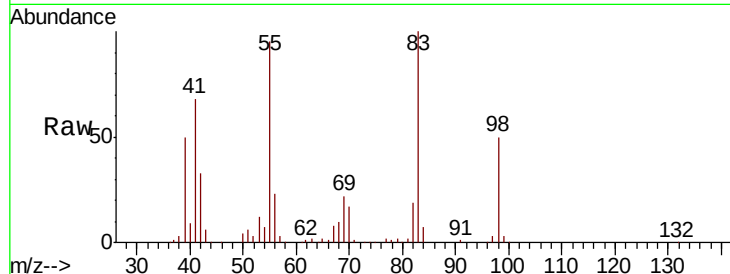




#39
Methylvlcyclohexane
Concen: 47.470 ug/l
RT: 8.90 min Scan# 759
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

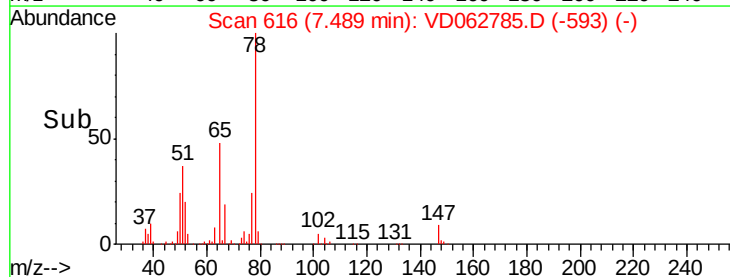
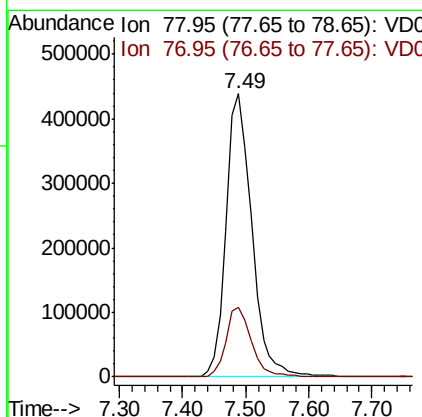
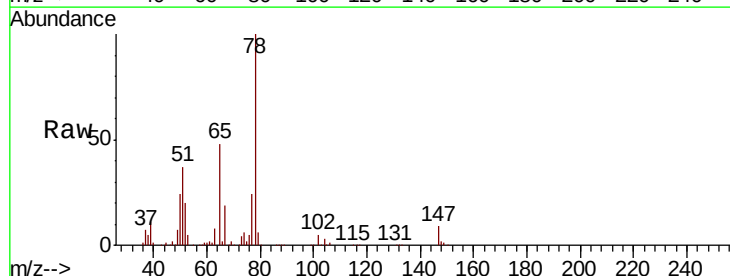
Instrument :
MSVOA_D
ClientSampleId :

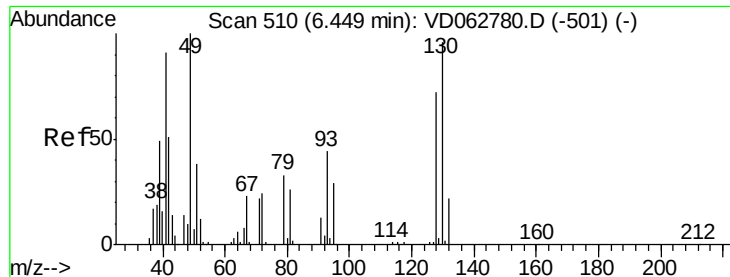
Tot Ion: 83 Resp: 528834
Ion Ratio Lower Upper
83 100
55 95.4 76.6 115.0
98 50.4 35.7 53.5



#40
Benzene
Concen: 48.753 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 78 Resp: 1238539
Ion Ratio Lower Upper
78 100
77 24.4 20.2 30.2





#41

Methacrylonitrile

Concen: 51.749 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 345388

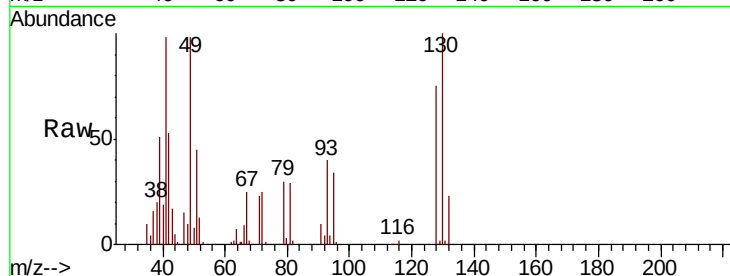
Ion Ratio Lower Upper

41 100

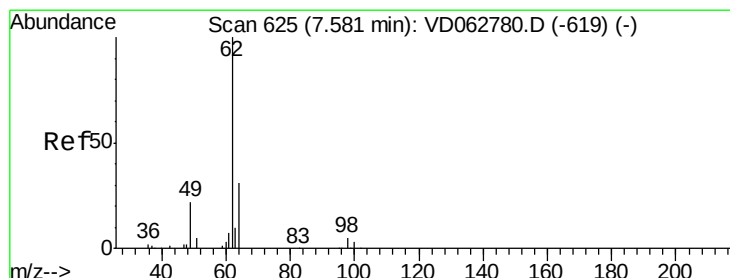
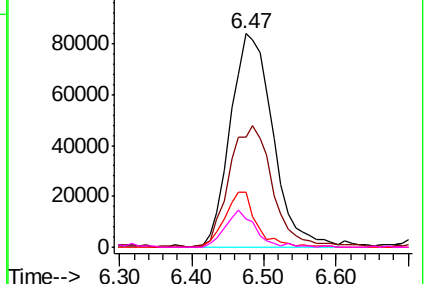
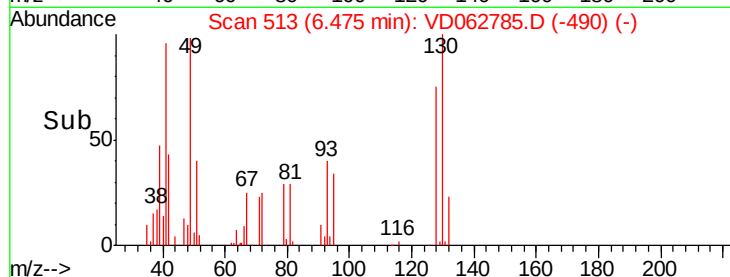
39 51.6 43.2 64.8

67 25.7 19.9 29.9

52 13.5 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: 50.935 ug/l

RT: 7.62 min Scan# 629

Delta R.T. 0.04 min

Lab File: VD062785.D

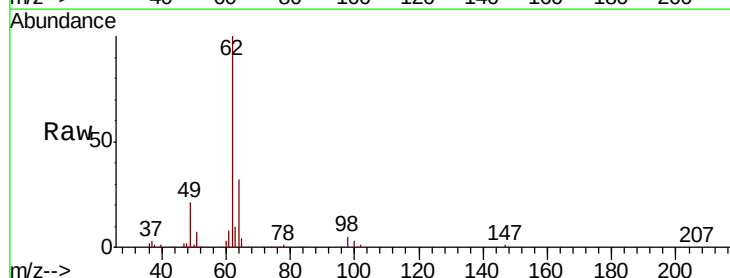
Acq: 20 Jun 2019 10:59

Tgt Ion: 62 Resp: 705901

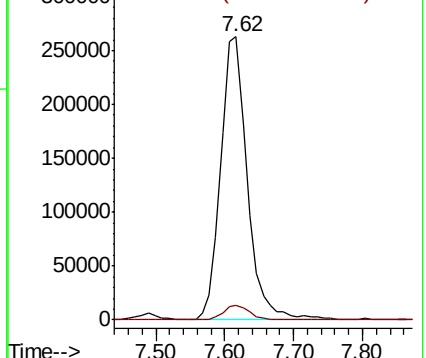
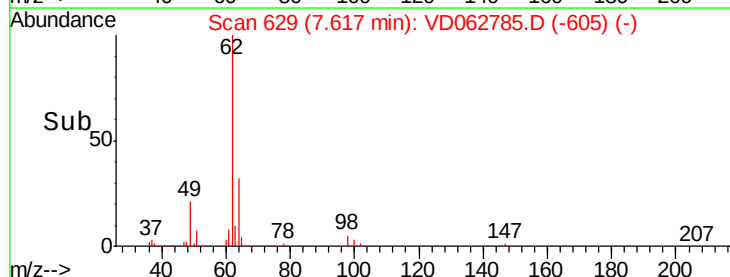
Ion Ratio Lower Upper

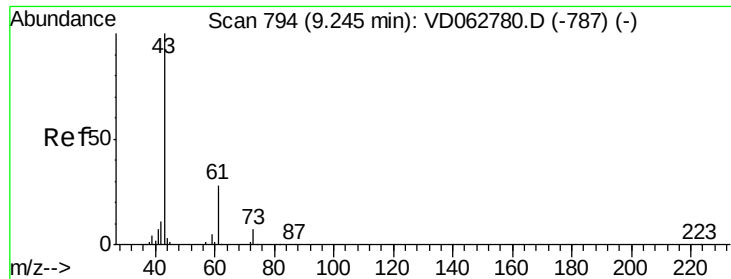
62 100

98 5.1 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: 53.626 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

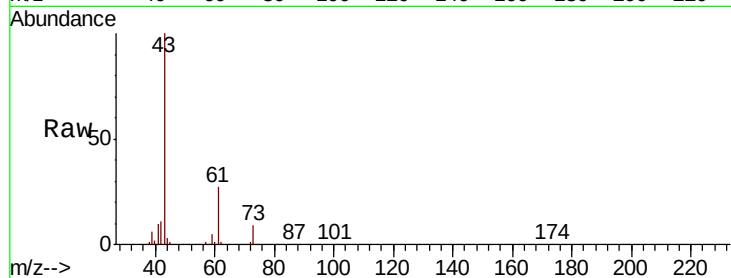
Tot Ion: 43 Resp: 355817

Ion Ratio Lower Upper

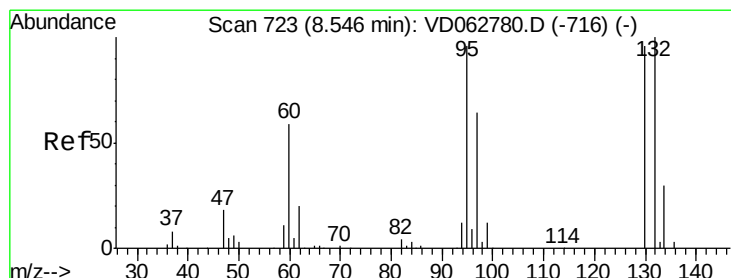
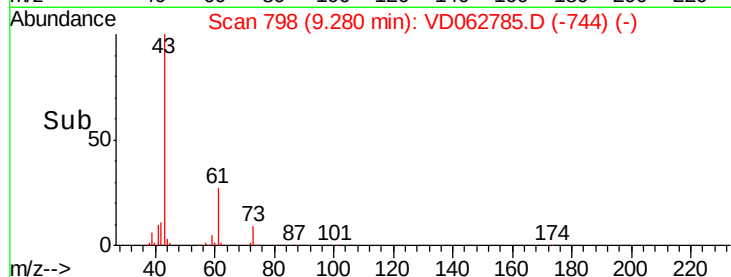
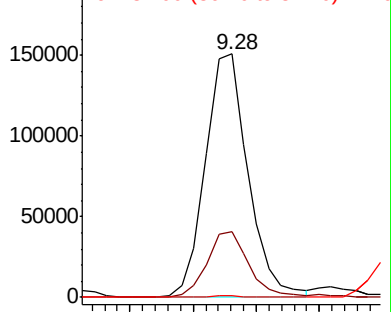
43 100

61 27.2 22.4 33.6

87 0.5 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: 49.194 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.03 min

Lab File: VD062785.D

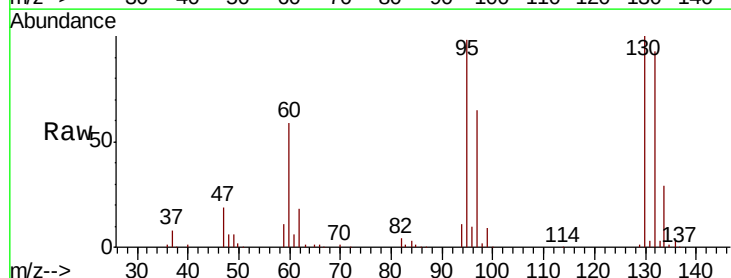
Acq: 20 Jun 2019 10:59

Tgt Ion:130 Resp: 489952

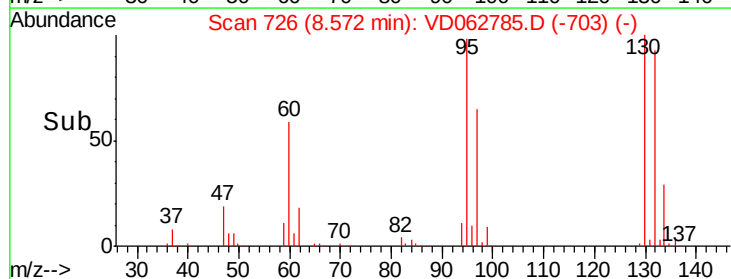
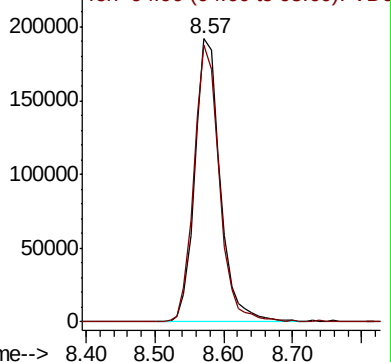
Ion Ratio Lower Upper

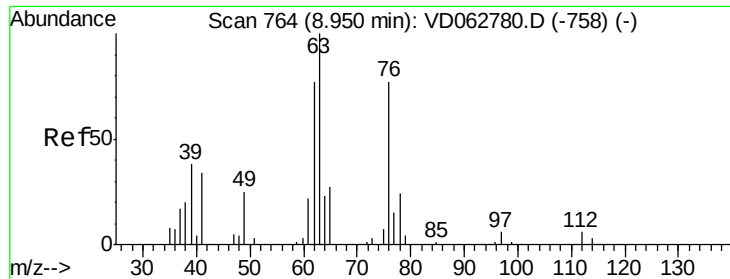
130 100

95 97.7 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: 46.692 ug/l

RT: 8.98 min Scan# 767

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

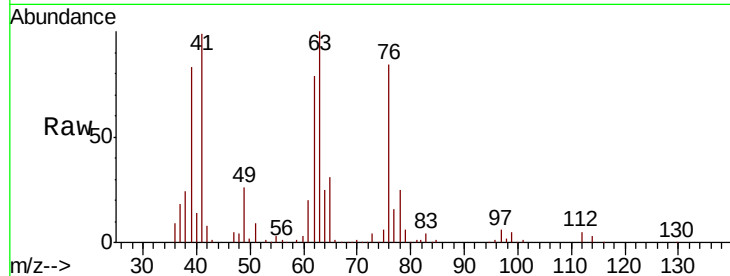
ClientSampleId :

Tot Ion: 63 Resp: 294955

Ion Ratio Lower Upper

63 100

65 31.2 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.98

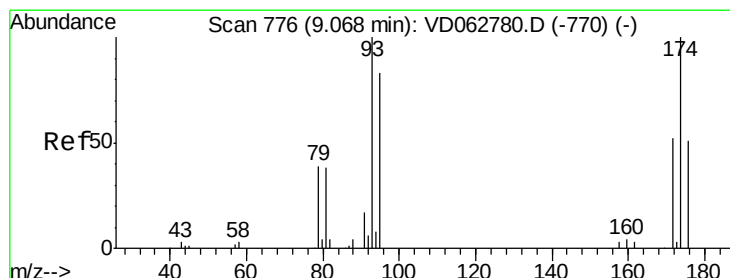
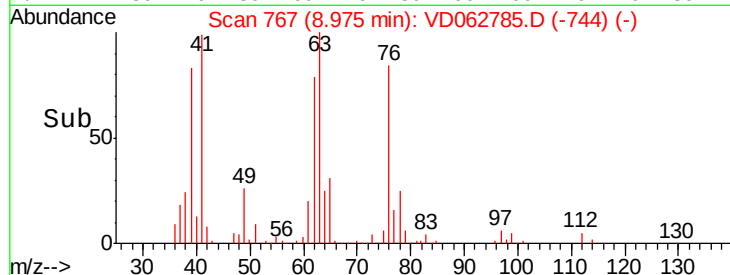
100000

50000

0

8.90 9.00 9.10

Time-->



#46

Dibromomethane

Concen: 50.038 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

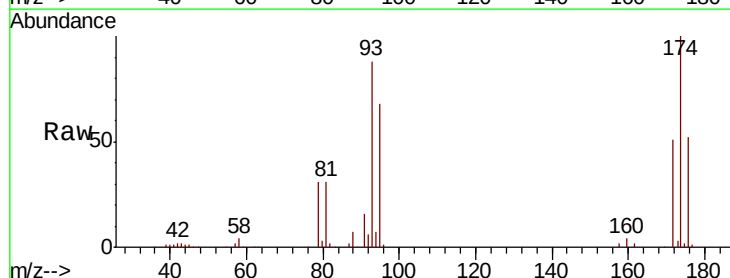
Tgt Ion: 93 Resp: 271528

Ion Ratio Lower Upper

93 100

95 77.8 66.6 100.0

174 113.9 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): VDC

150000

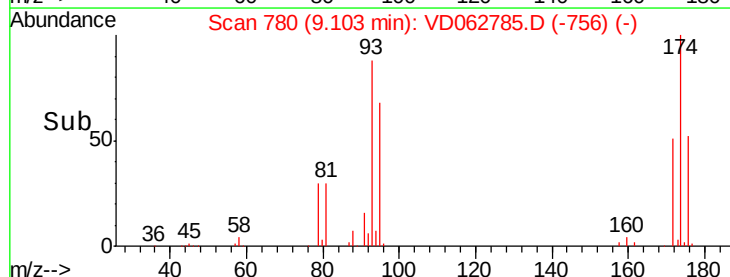
100000

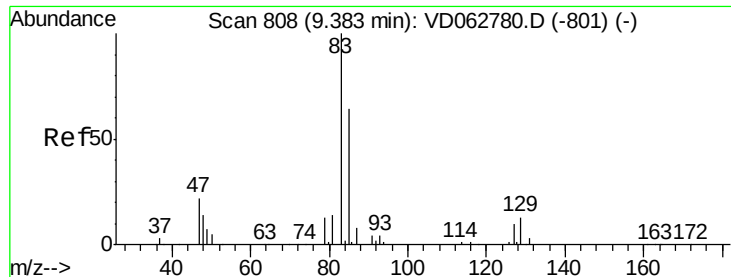
50000

0

9.00 9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 53.471 ug/l

RT: 9.41 min Scan# 811

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

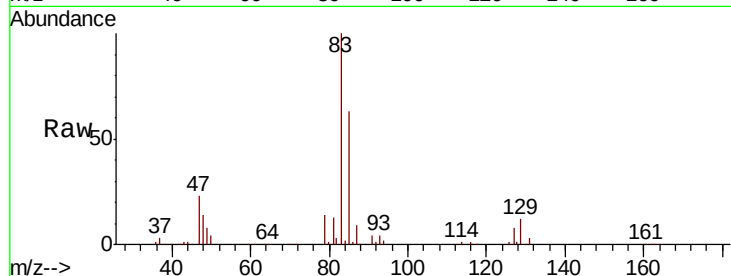
Tot Ion: 83 Resp: 753556

Ion Ratio Lower Upper

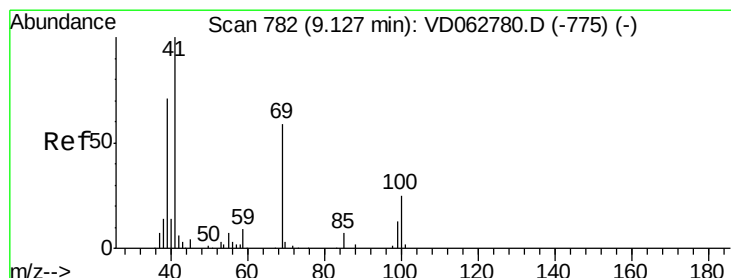
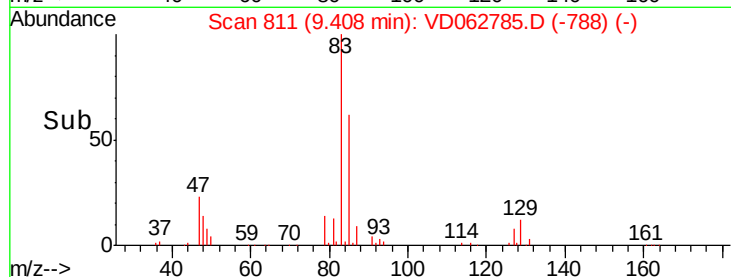
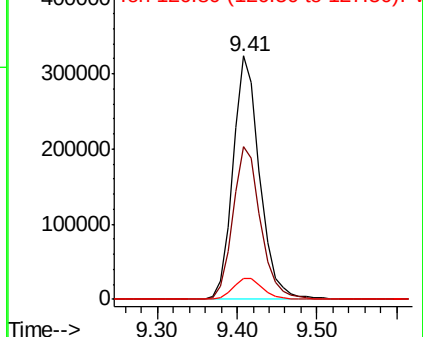
83 100

85 62.9 51.6 77.4

127 8.4 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: 51.040 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

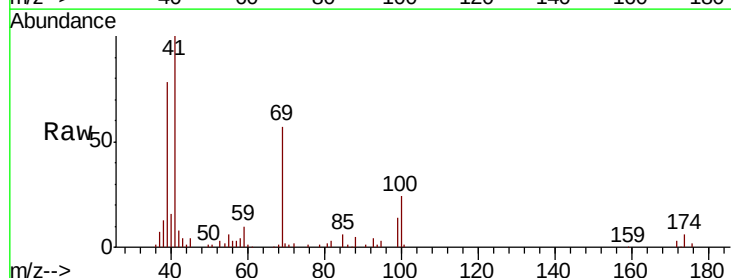
Tgt Ion: 41 Resp: 240662

Ion Ratio Lower Upper

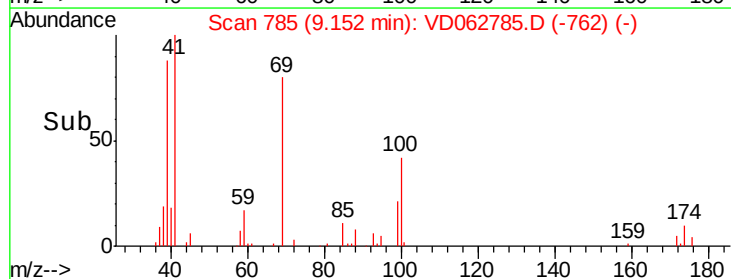
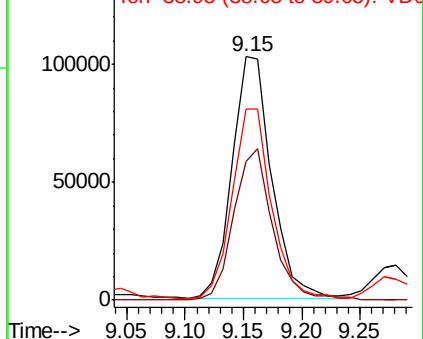
41 100

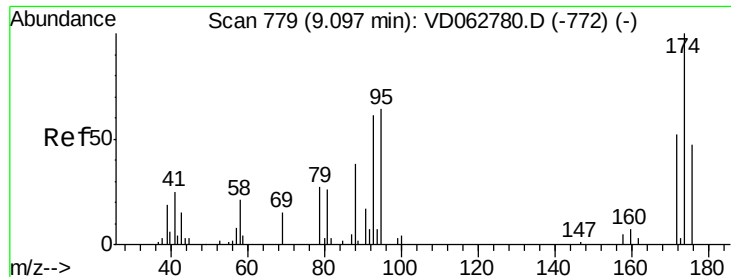
69 56.8 47.2 70.8

39 78.4 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

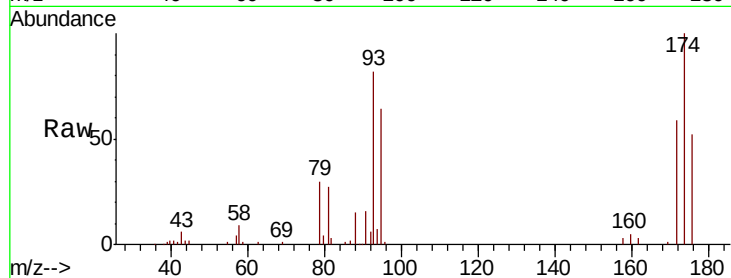




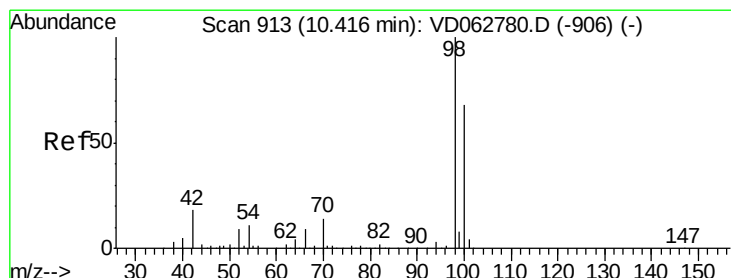
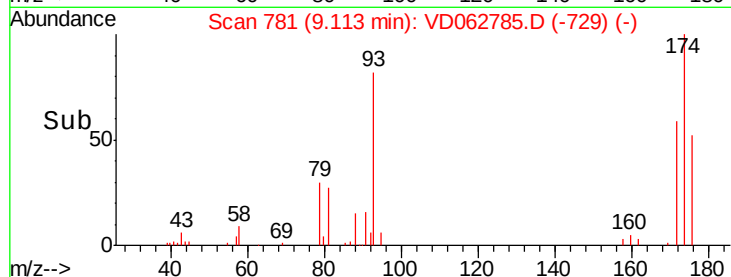
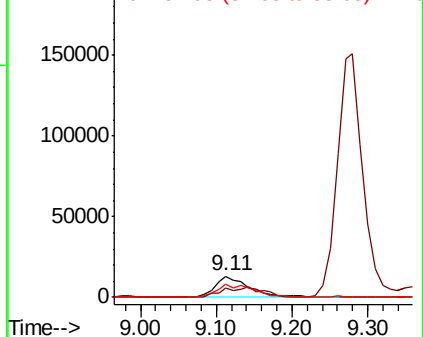
#49
1,4-Dioxane
Concen: 1039.839 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.02 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 40791
Ion Ratio Lower Upper
88 100
43 41.2 32.1 48.1
58 62.0 44.1 66.1

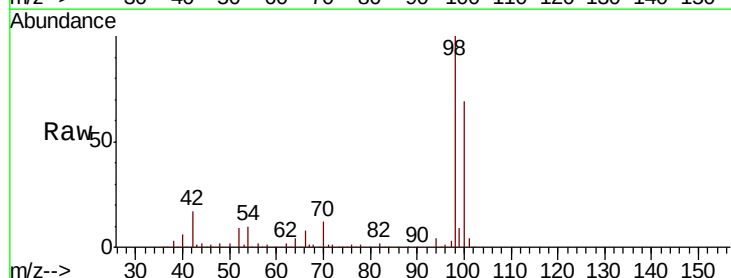


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

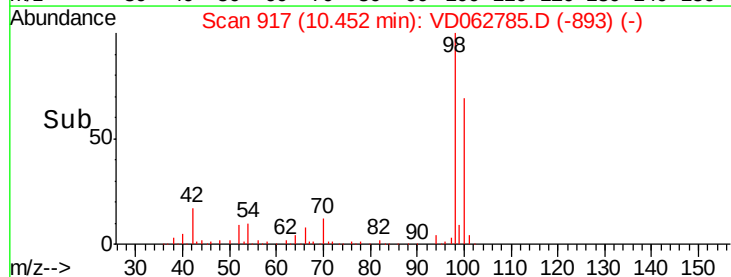
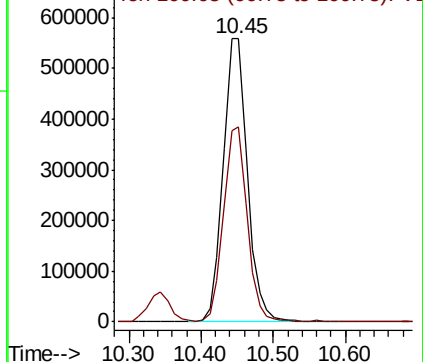


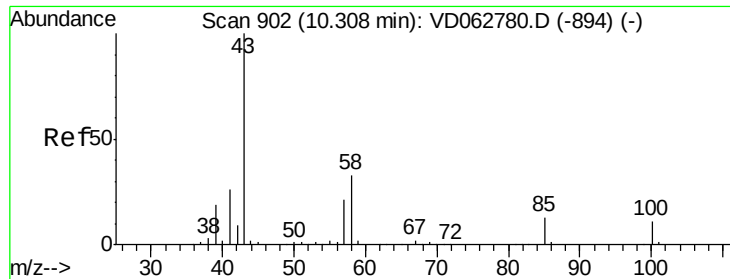
#50
Toluene-d8
Concen: 53.111 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.04 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 98 Resp: 1303095
Ion Ratio Lower Upper
98 100
100 69.1 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: 264.990 ug/l

RT: 10.33 min Scan# 905

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

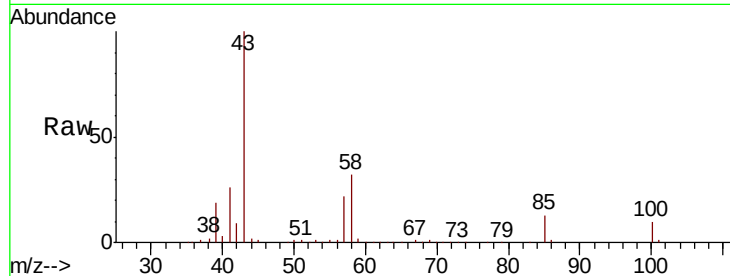
ClientSampled :

Tot Ion: 43 Resp: 1246581

Ion Ratio Lower Upper

43 100

58 32.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

500000

400000

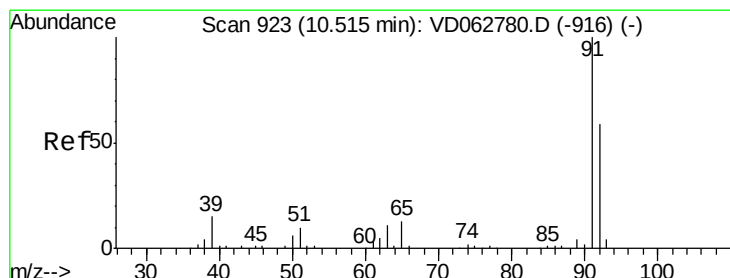
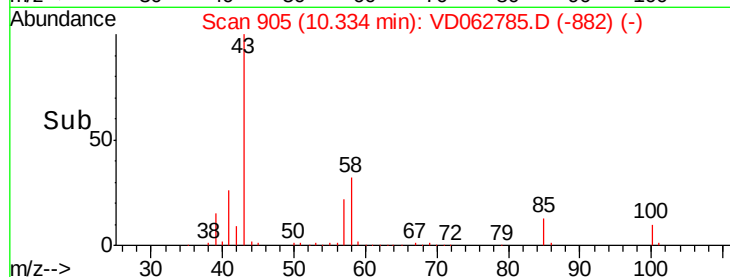
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.612 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.04 min

Lab File: VD062785.D

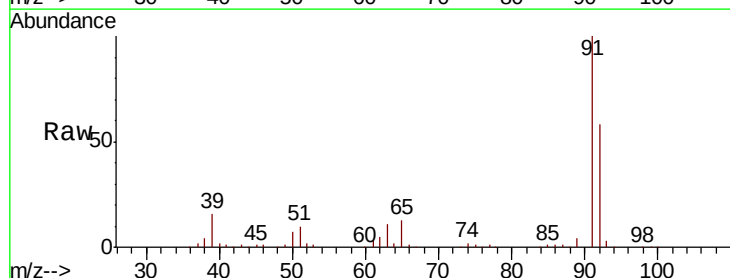
Acq: 20 Jun 2019 10:59

Tgt Ion: 92 Resp: 847218

Ion Ratio Lower Upper

92 100

91 171.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.55

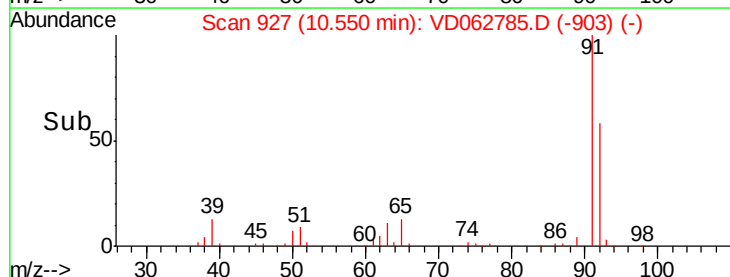
600000

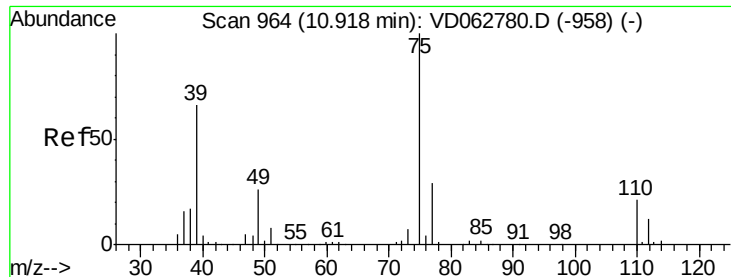
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.970 ug/l

RT: 10.95 min Scan# 968

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

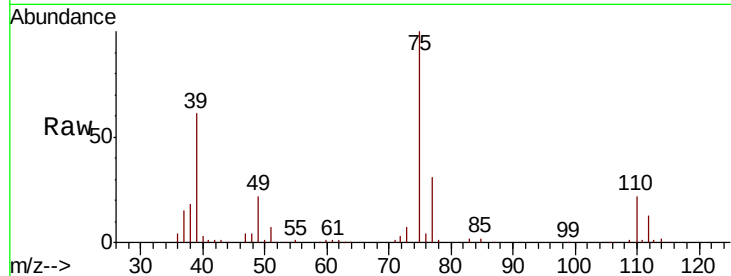
ClientSampleId :

Tot Ion: 75 Resp: 622533

Ion Ratio Lower Upper

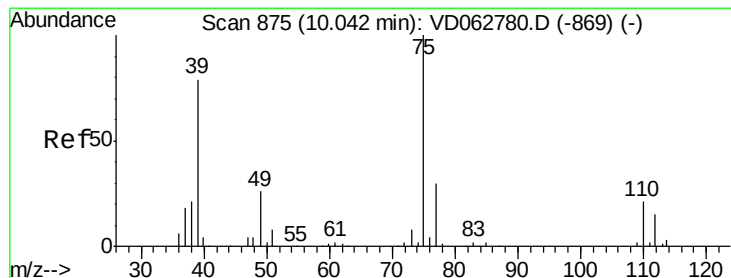
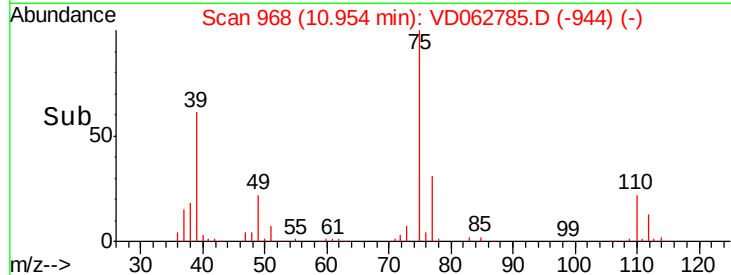
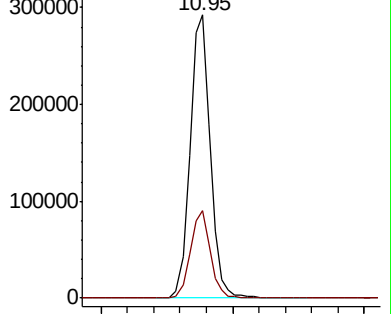
75 100

77 31.0 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.023 ug/l

RT: 10.08 min Scan# 879

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

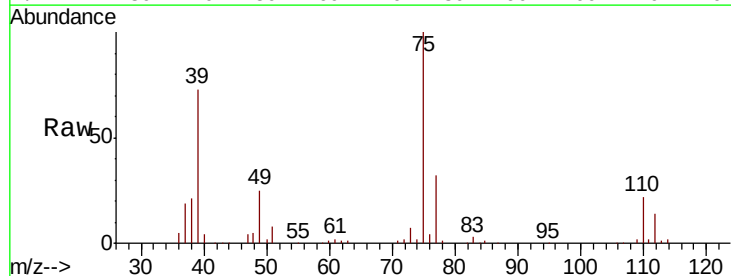
Tgt Ion: 75 Resp: 614621

Ion Ratio Lower Upper

75 100

77 32.1 24.2 36.2

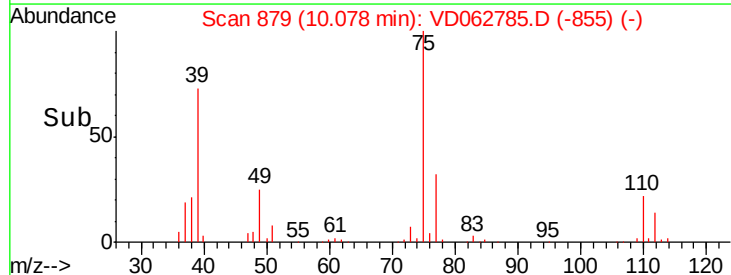
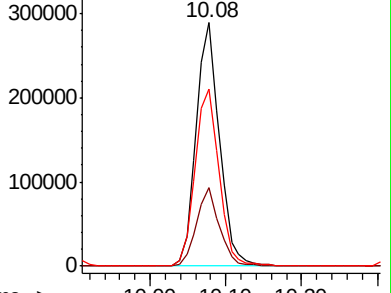
39 72.7 63.5 95.3

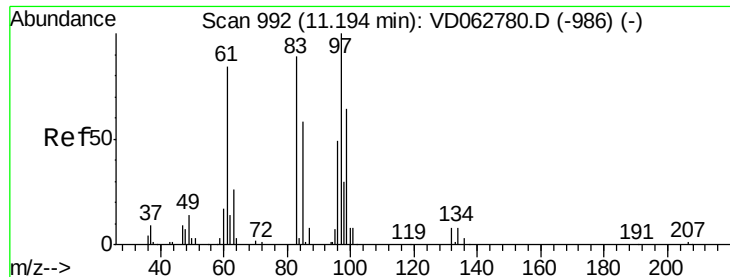


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 50.384 ug/l

RT: 11.23 min Scan# 996

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 295601

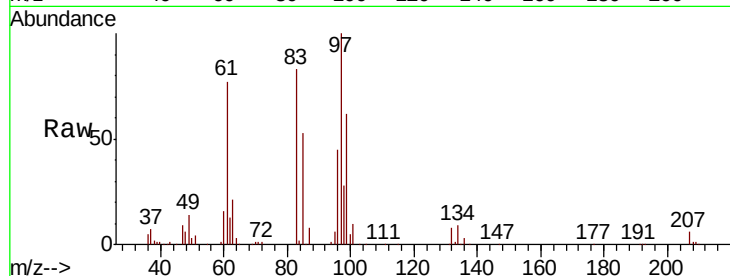
Ion Ratio Lower Upper

97 100

83 83.5 71.0 106.4

85 52.9 46.6 69.8

99 62.2 51.4 77.0

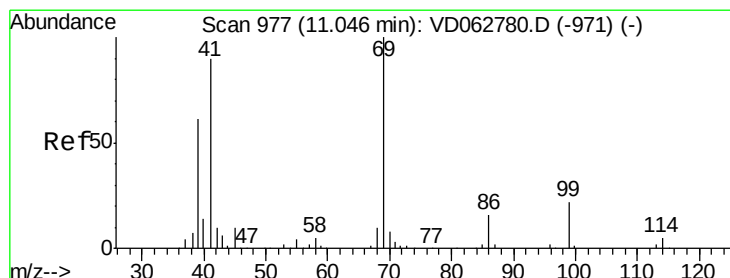
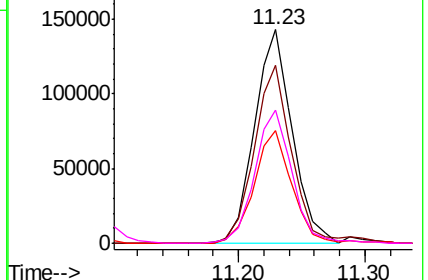
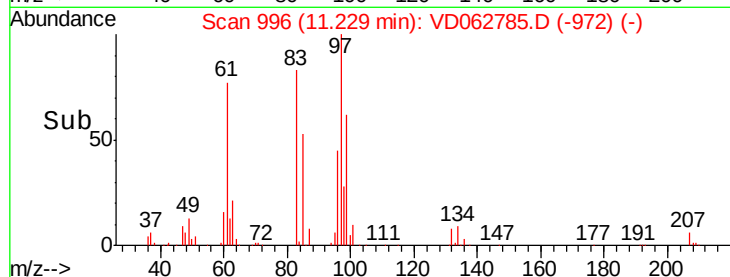


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 52.412 ug/l

RT: 11.08 min Scan# 981

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

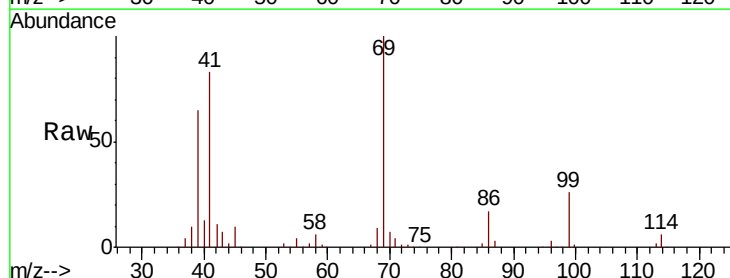
Tgt Ion: 69 Resp: 328622

Ion Ratio Lower Upper

69 100

41 83.0 72.0 108.0

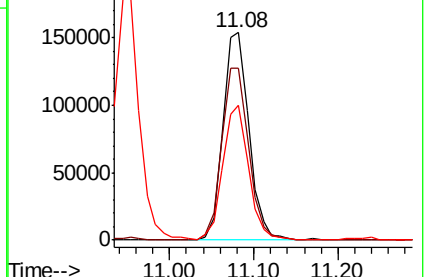
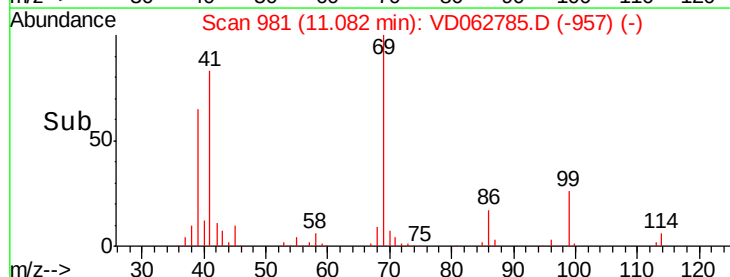
39 65.1 49.5 74.3

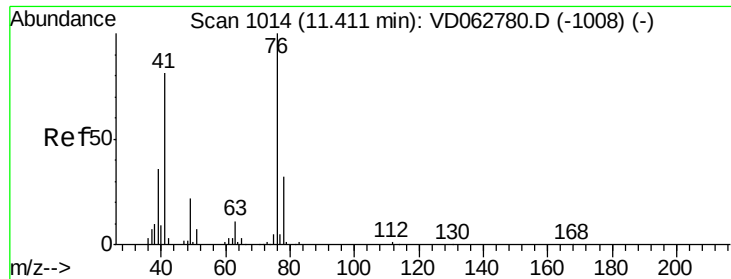


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

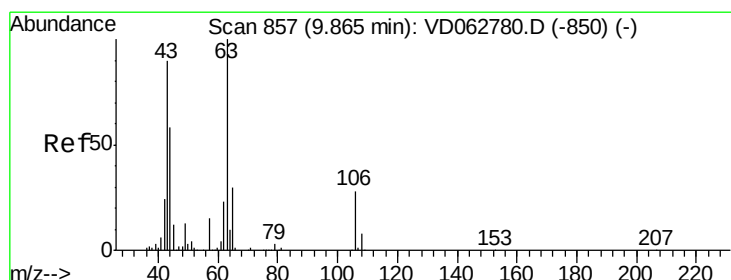
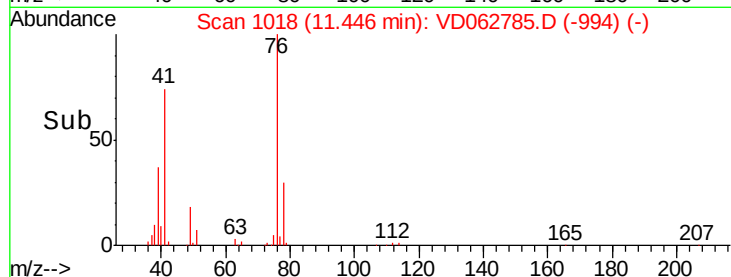
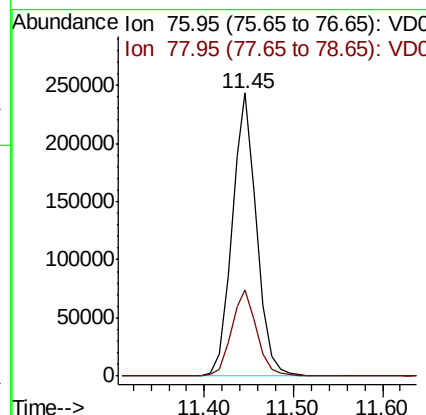
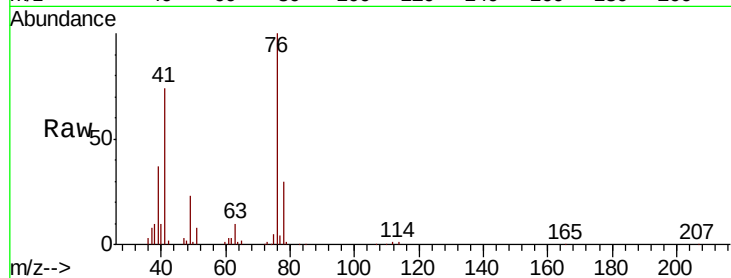




#57
 1,3-Dichloropropane
 Concen: 51.968 ug/l
 RT: 11.45 min Scan# 1018
 Delta R.T. 0.04 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

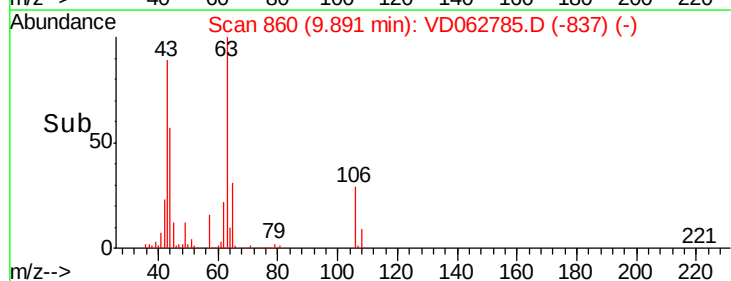
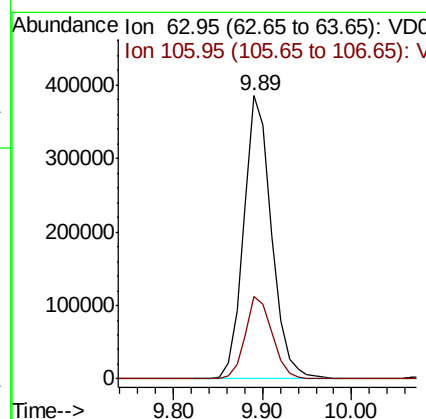
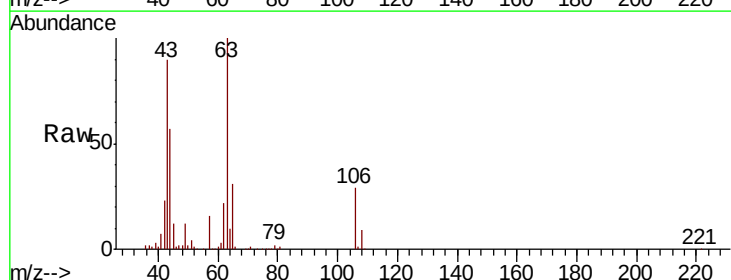
Instrument :
 MSVOA_D
 ClientSampleId :

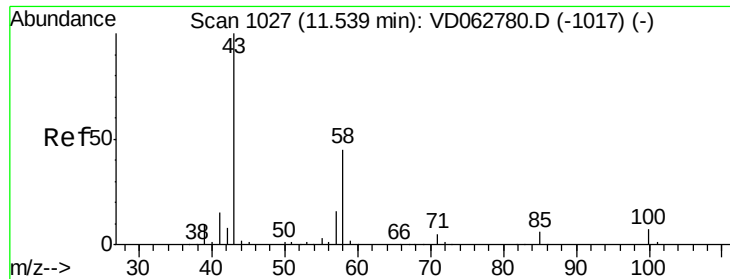
Tot Ion: 76 Resp: 466845
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.663 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion: 63 Resp: 832615
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.1 33.1

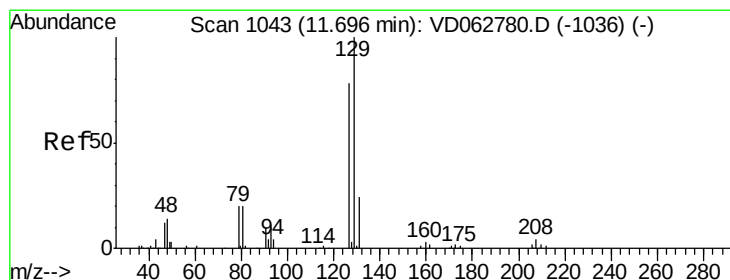
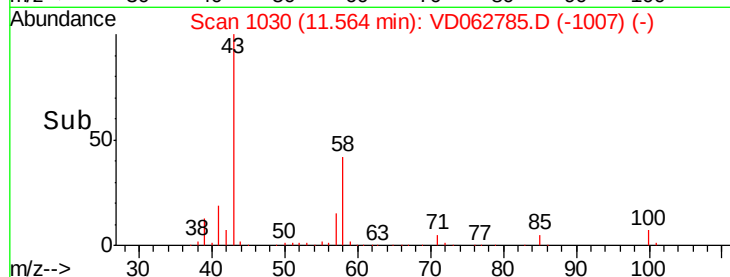
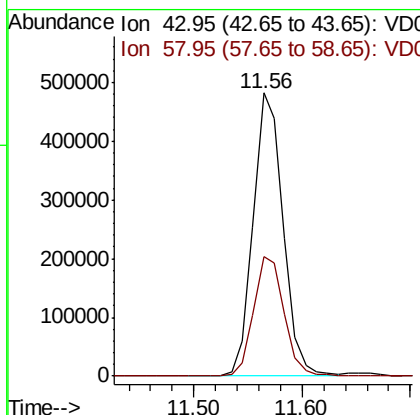
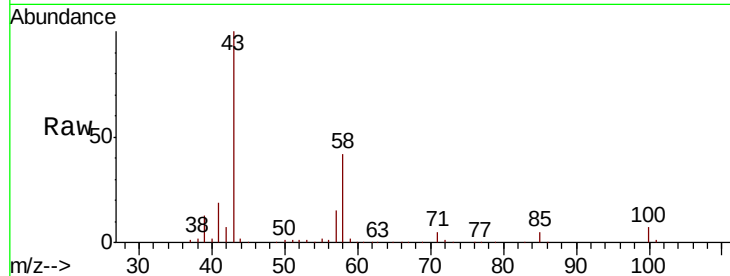




#59
2-Hexanone
Concen: 278.073 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

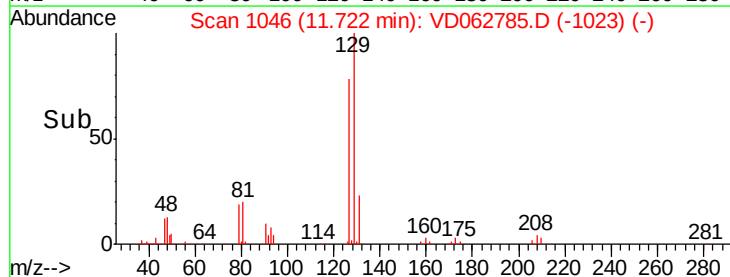
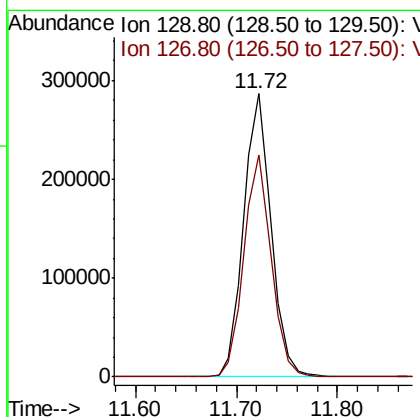
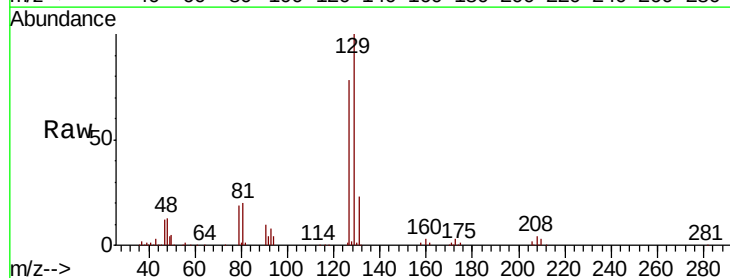
Instrument :
MSVOA_D
ClientSampled :

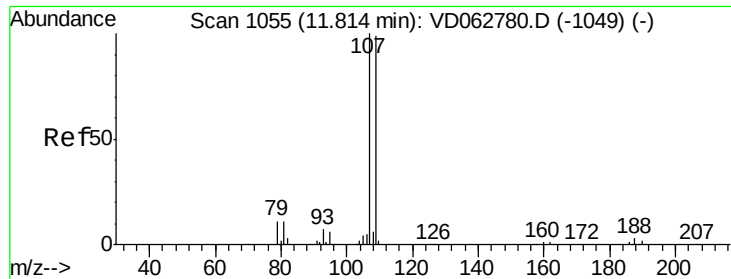
Tot Ion: 43 Resp: 931635
Ion Ratio Lower Upper
43 100
58 42.3 22.4 67.2



#60
Dibromochloromethane
Concen: 49.999 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 129 Resp: 546393
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6

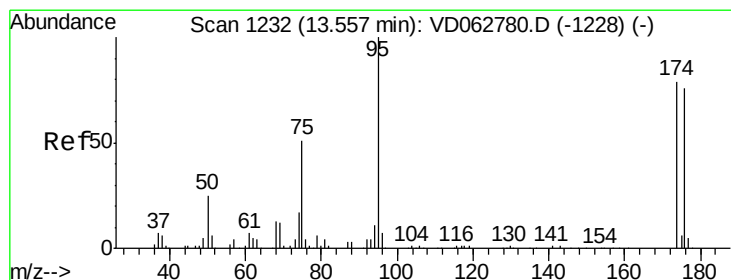
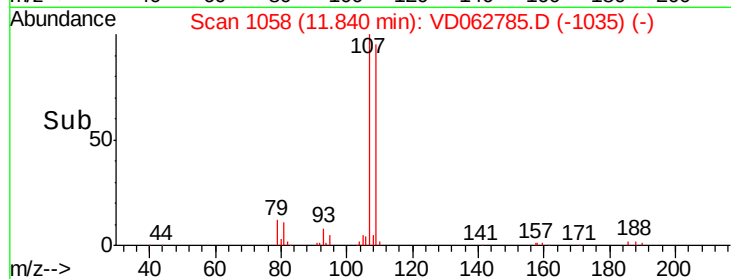
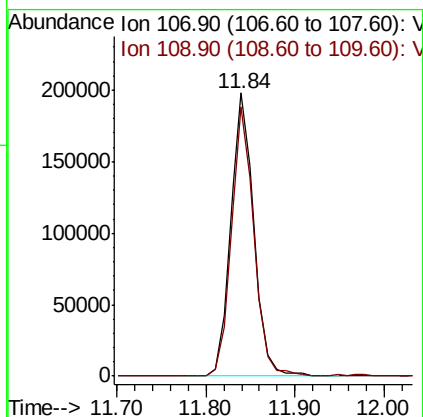
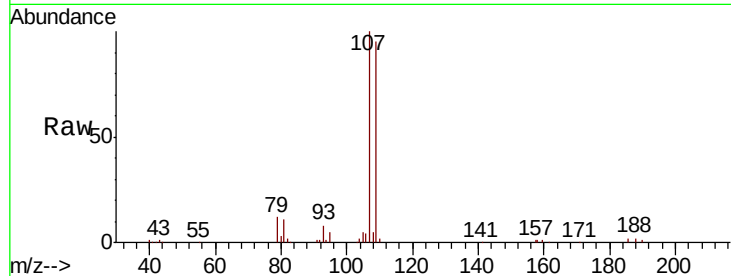




#61
 1,2-Dibromoethane
 Concen: 51.805 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

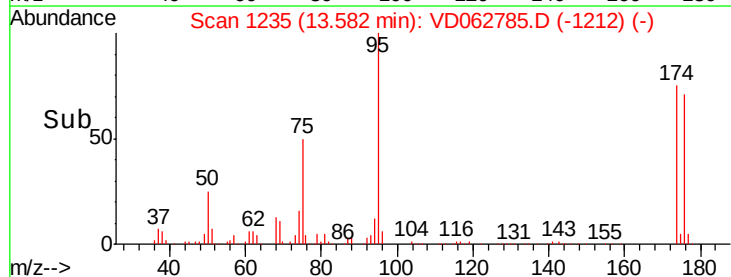
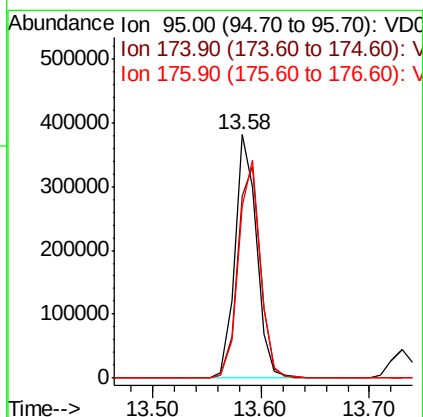
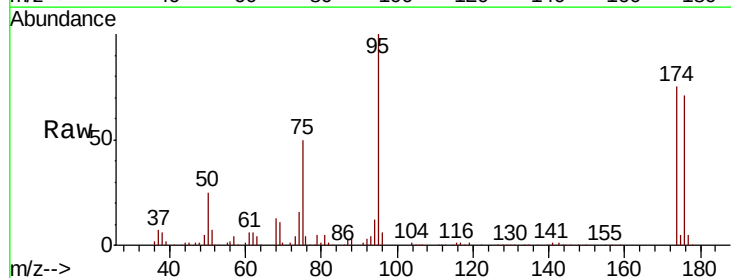
Instrument :
 MSVOA_D
 ClientSampleId :

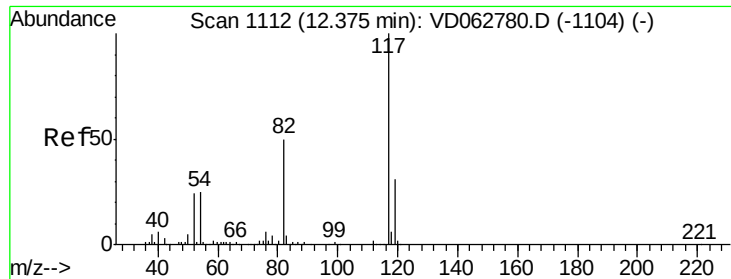
Tot Ion: 107 Resp: 358968
 Ion Ratio Lower Upper
 107 100
 109 95.1 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.621 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion: 95 Resp: 531280
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 158.0
 176 70.6 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampled :

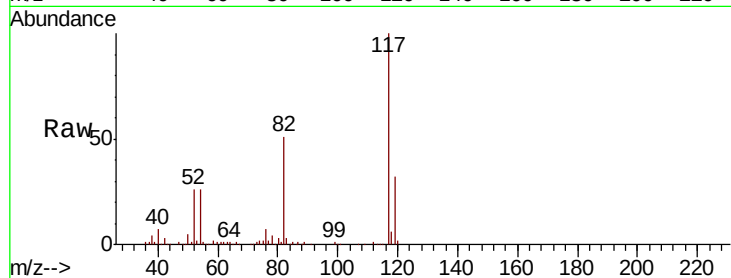
Tot Ion:117 Resp: 1094240

Ion Ratio Lower Upper

117 100

82 51.5 40.4 60.6

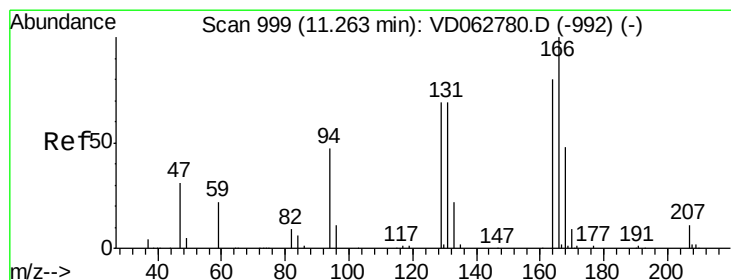
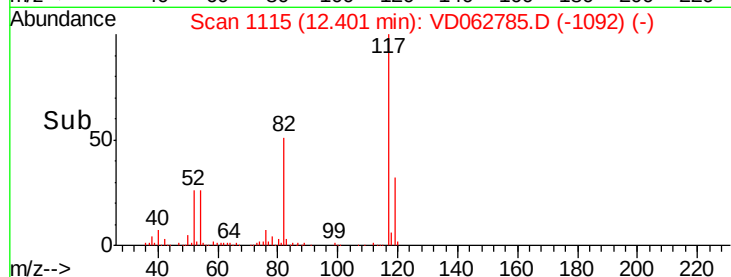
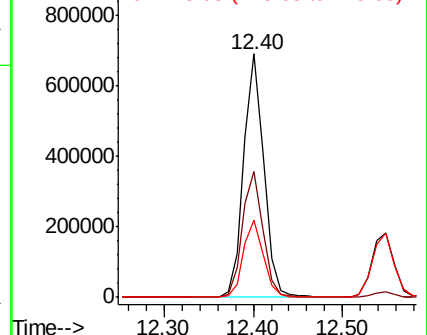
119 31.7 25.2 37.8



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 51.225 ug/l

RT: 11.30 min Scan# 1003

Delta R.T. 0.04 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Tgt Ion:164 Resp: 461325

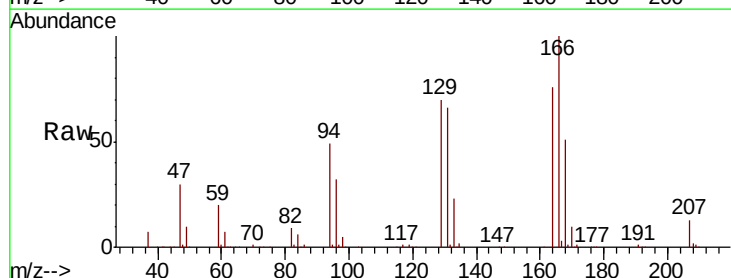
Ion Ratio Lower Upper

164 100

166 131.2 100.6 150.8

129 91.5 69.4 104.0

131 87.0 69.3 103.9

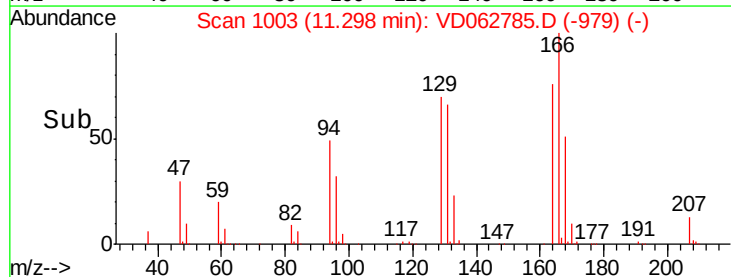
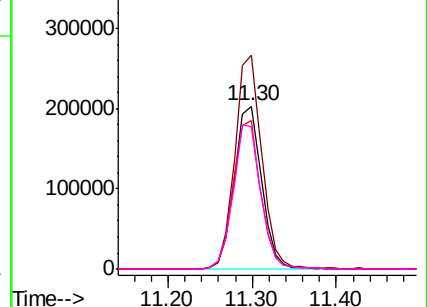


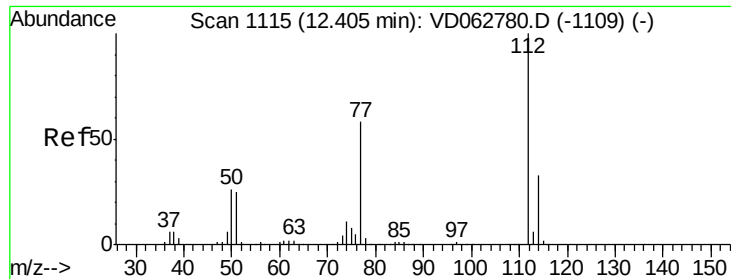
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

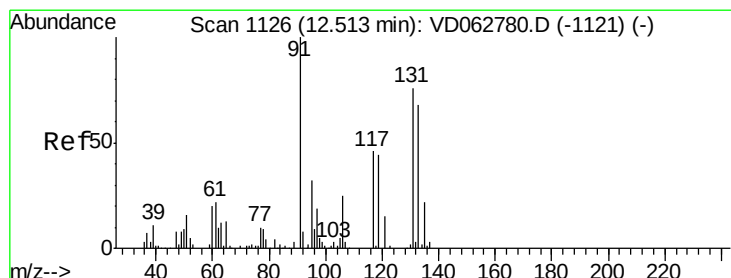
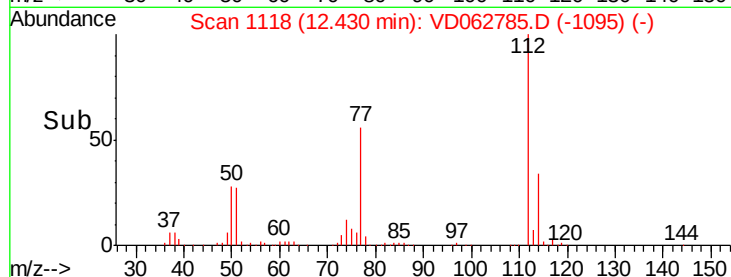
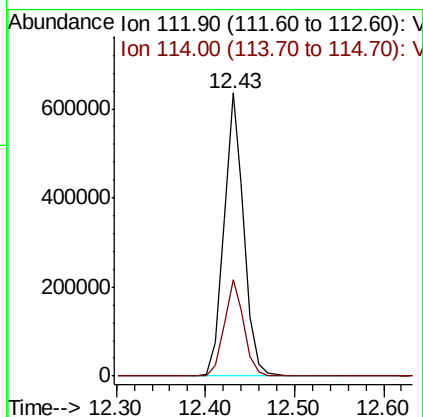
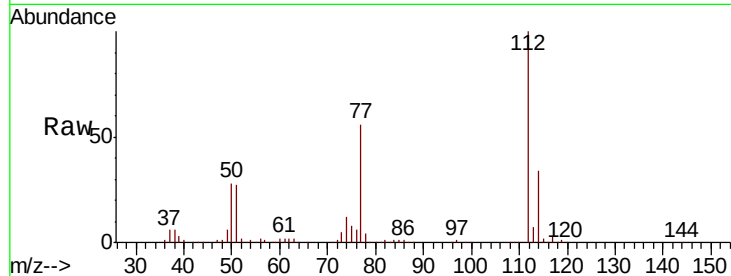




#65
Chlorobenzene
Concen: 48.910 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

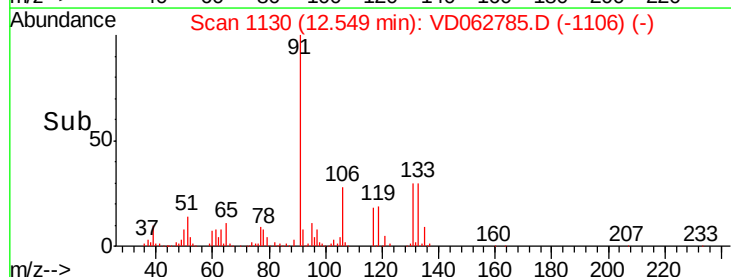
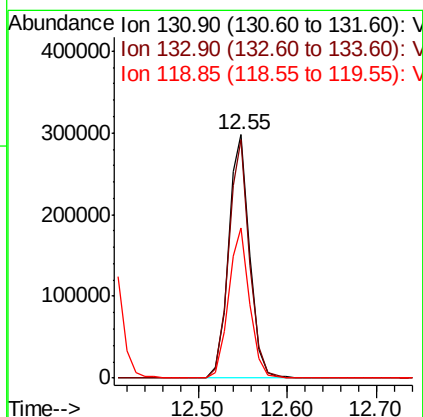
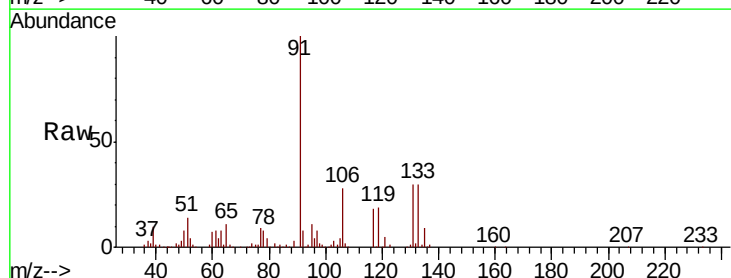
Instrument :
MSVOA_D
ClientSampleId :

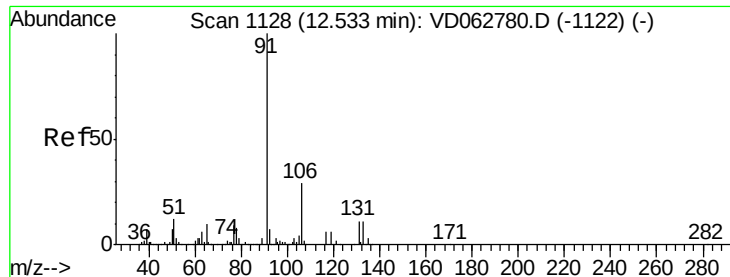
Tot Ion:112 Resp: 993255
Ion Ratio Lower Upper
112 100
114 34.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 52.513 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.04 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion:131 Resp: 498721
Ion Ratio Lower Upper
131 100
133 97.8 44.5 133.3
119 61.6 28.6 85.9

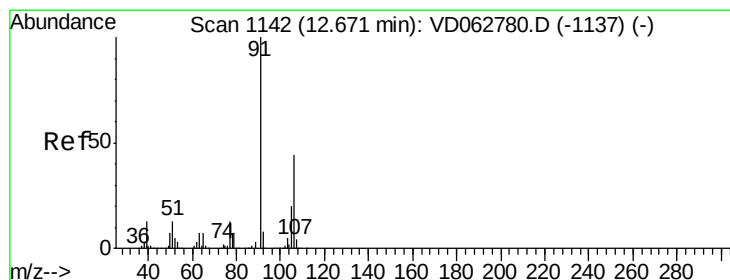
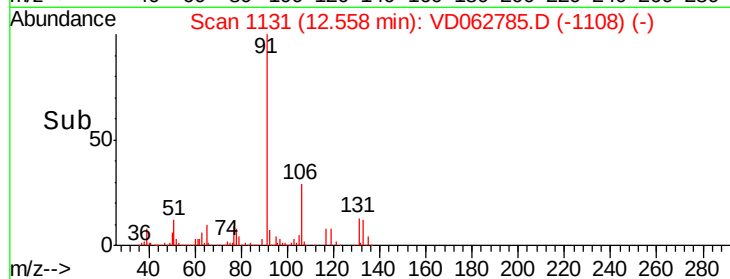
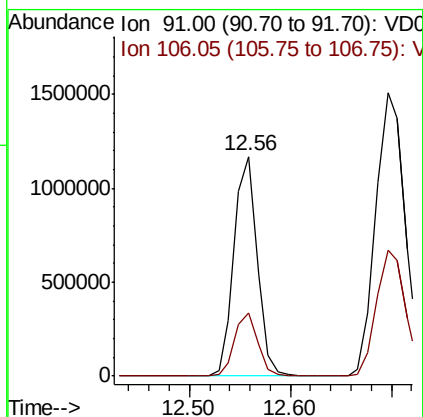
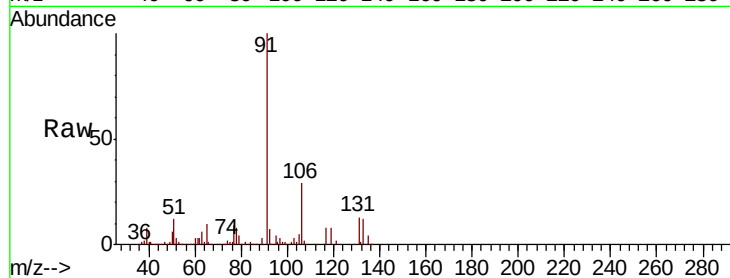




#67
Ethyl Benzene
Concen: 51.451 ug/l
RT: 12.56 min Scan# 1131
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

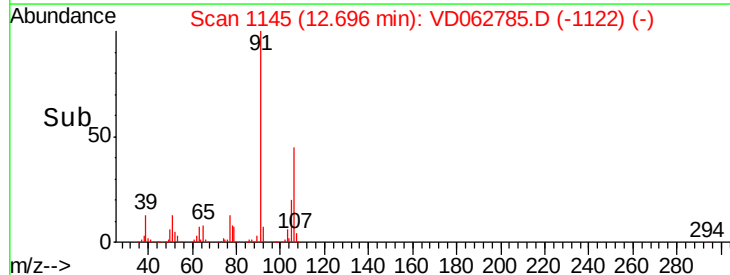
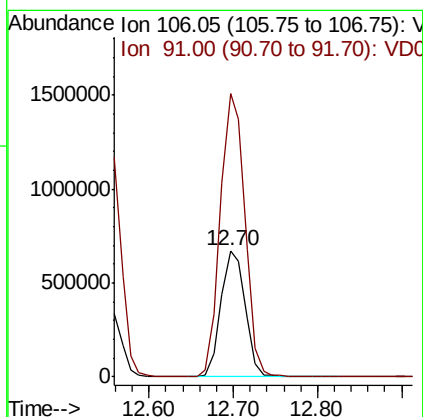
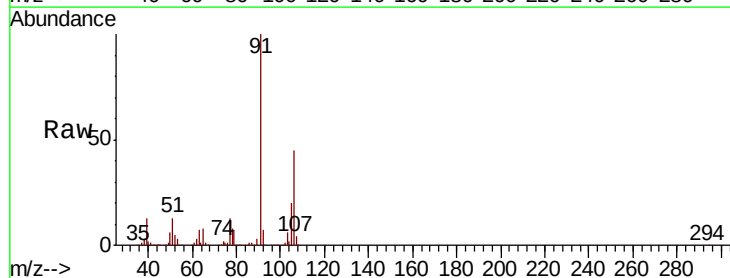
Instrument :
MSVOA_D
ClientSampled :

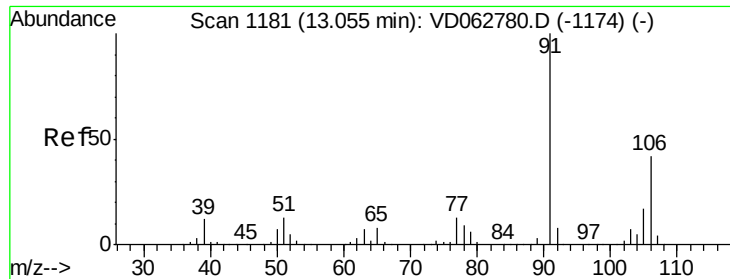
Tot Ion: 91 Resp: 1875922
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7



#68
m/p-Xylenes
Concen: 105.720 ug/l
RT: 12.70 min Scan# 1145
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 106 Resp: 1342530
Ion Ratio Lower Upper
106 100
91 223.7 183.0 274.6

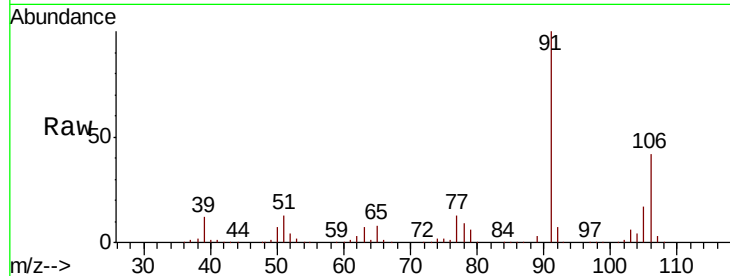




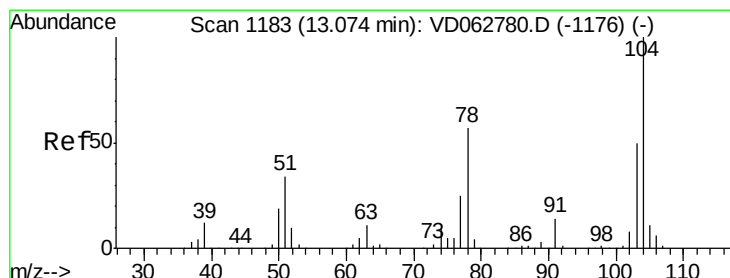
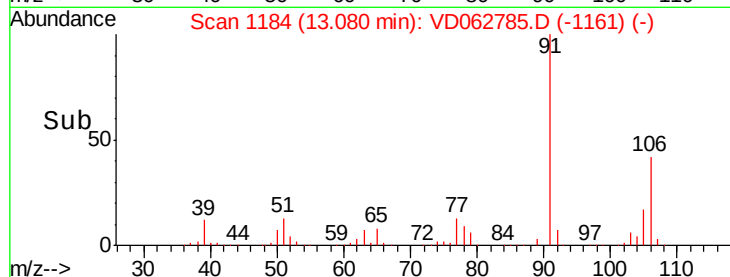
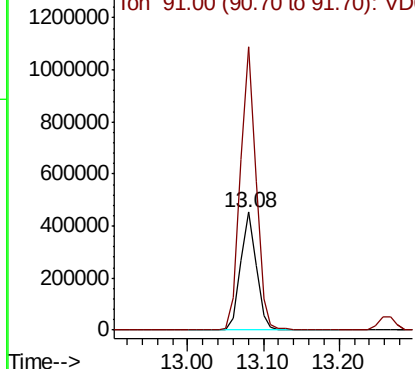
#69
o-Xylene
Concen: 55.738 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 647042
Ion Ratio Lower Upper
106 100
91 239.8 117.9 353.6

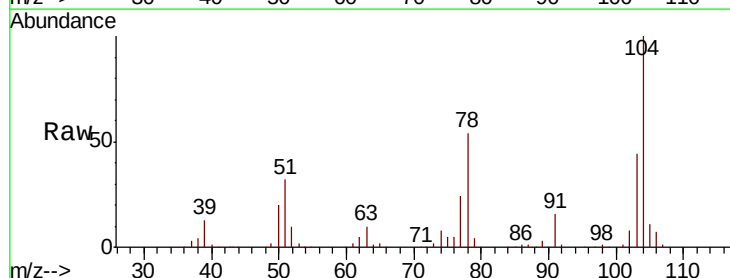


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

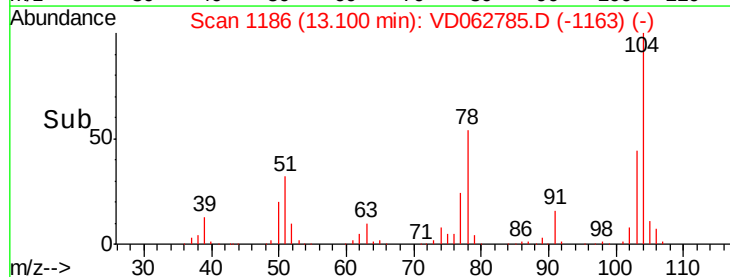
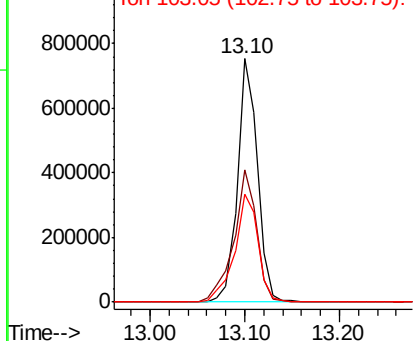


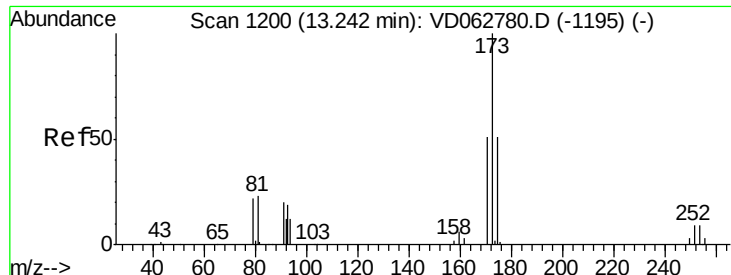
#70
Styrene
Concen: 54.061 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion:104 Resp: 1102323
Ion Ratio Lower Upper
104 100
78 54.3 45.4 68.2
103 44.3 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: 56.511 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

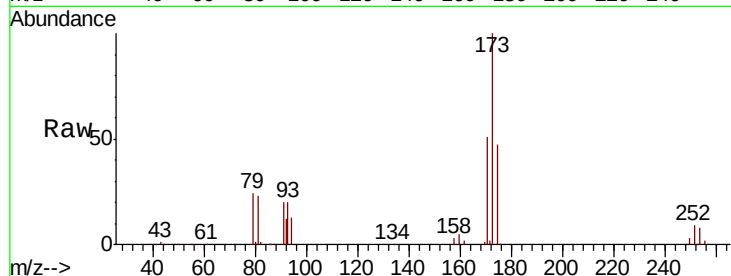
Tot Ion:173 Resp: 367713

Ion Ratio Lower Upper

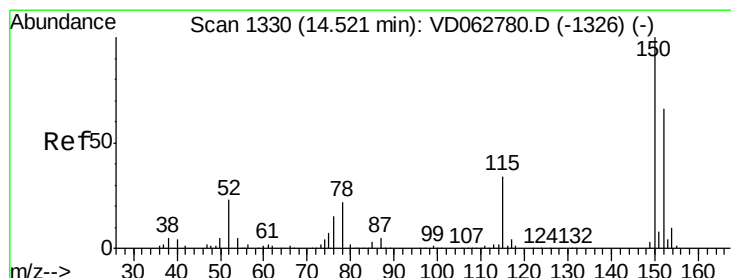
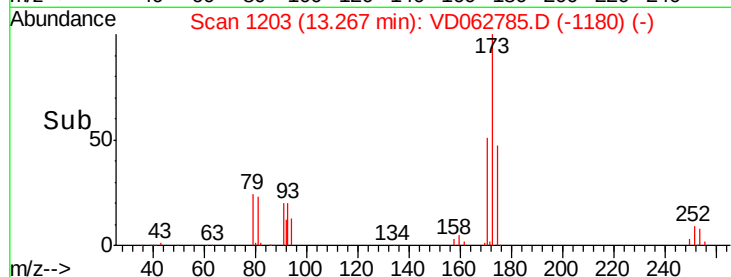
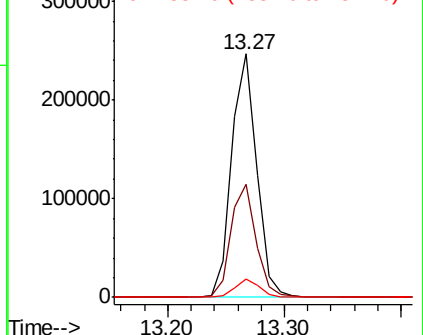
173 100

175 46.6 25.3 75.9

254 7.6 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: 14.55 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

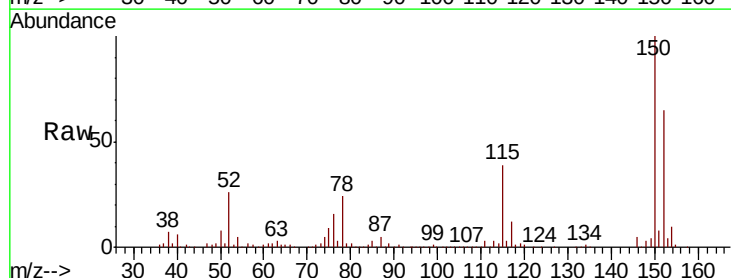
Tgt Ion:152 Resp: 625376

Ion Ratio Lower Upper

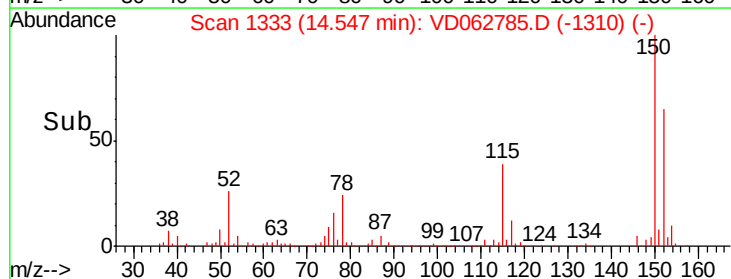
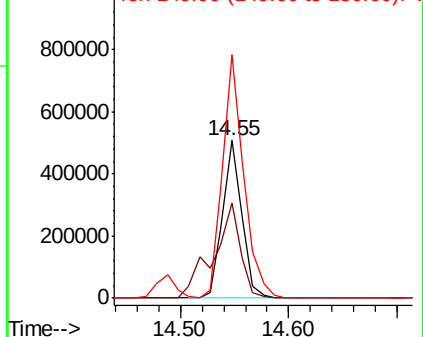
152 100

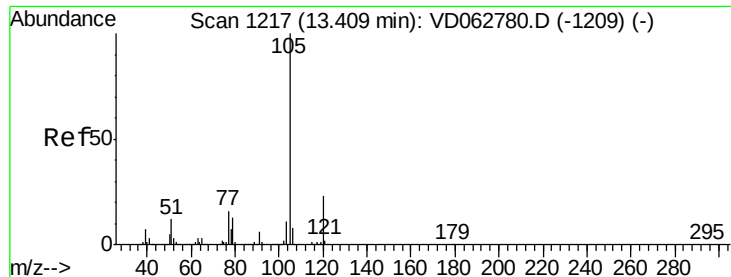
115 60.3 29.2 87.6

150 154.7 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: 46.204 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

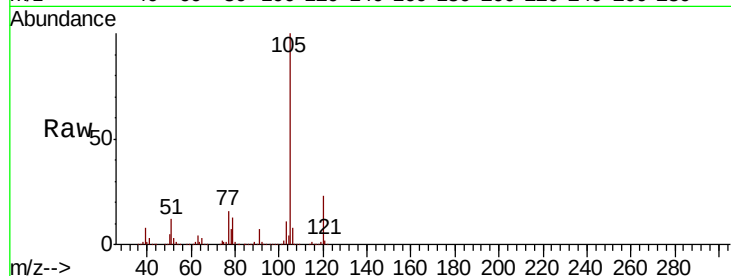
ClientSampleId :

Tot Ion:105 Resp: 1852693

Ion Ratio Lower Upper

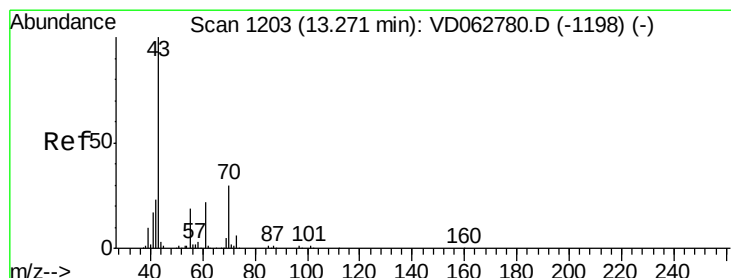
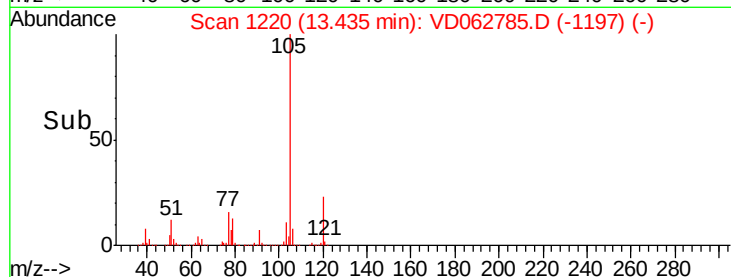
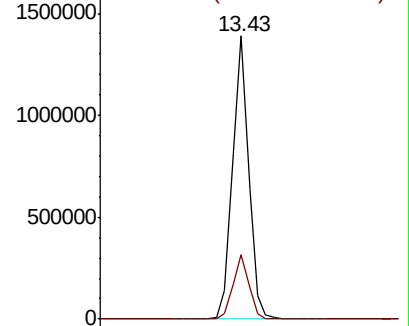
105 100

120 22.8 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 52.305 ug/l

RT: 13.30 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Tgt Ion: 43 Resp: 509331

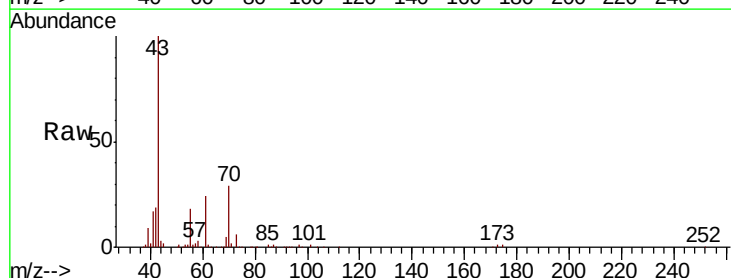
Ion Ratio Lower Upper

43 100

70 28.7 24.4 36.6

55 17.8 15.2 22.8

61 24.2 17.4 26.2

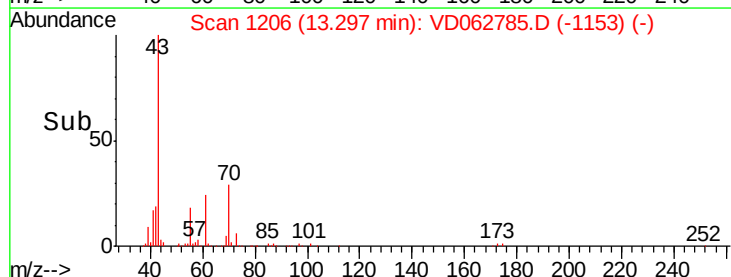
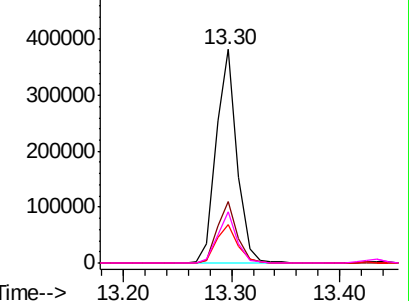


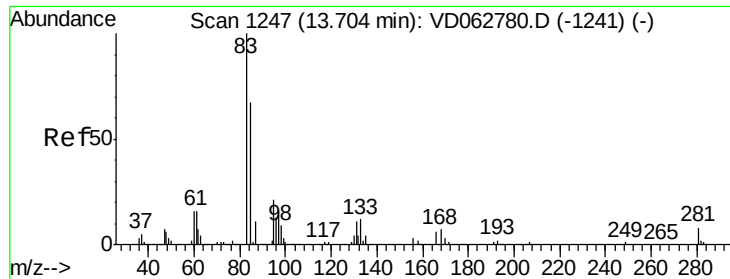
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 49.387 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

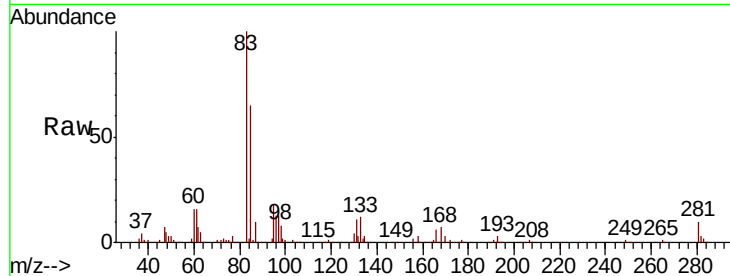
Tot Ion: 83 Resp: 322661

Ion Ratio Lower Upper

83 100

131 11.3 5.3 16.1

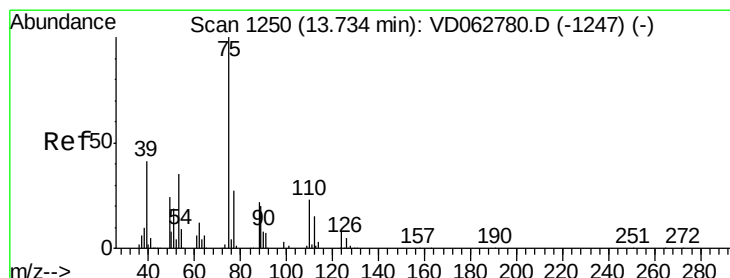
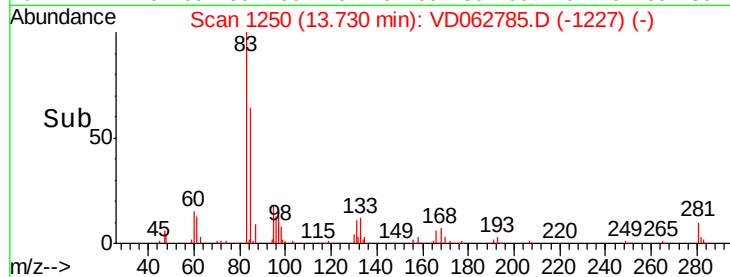
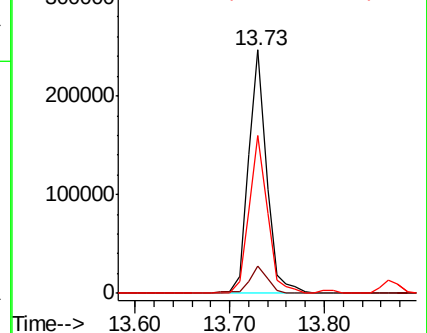
85 64.6 33.7 101.1



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: 50.672 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.03 min

Lab File: VD062785.D

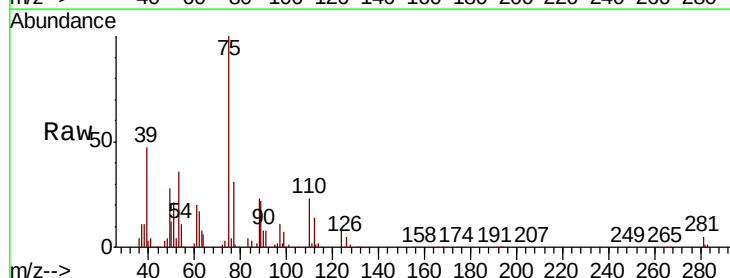
Acq: 20 Jun 2019 10:59

Tgt Ion: 75 Resp: 365829

Ion Ratio Lower Upper

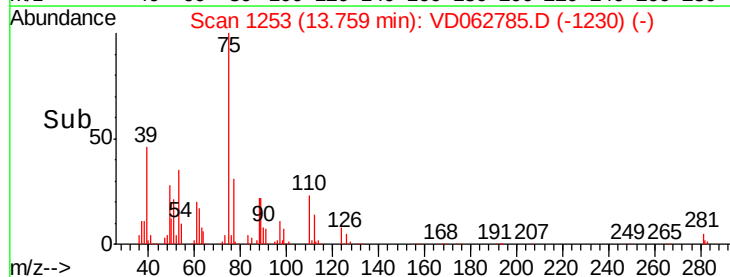
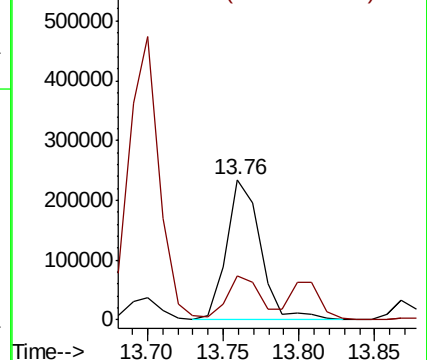
75 100

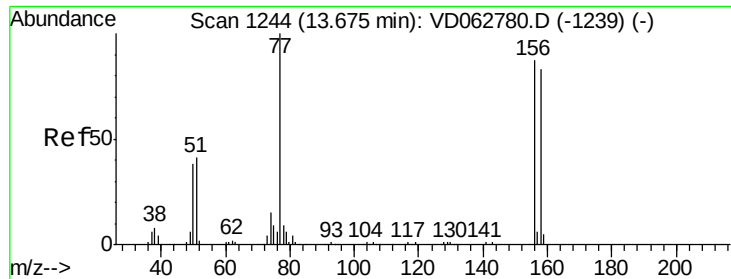
77 31.3 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.652 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampled :

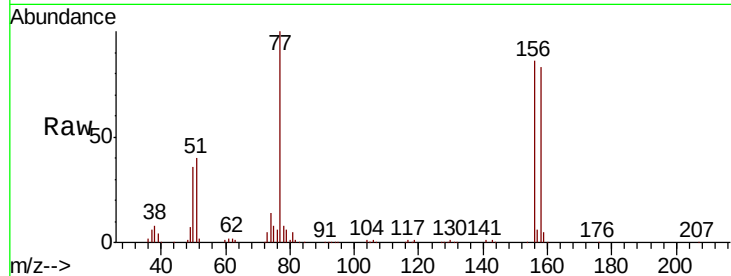
Tot Ion:156 Resp: 524716

Ion Ratio Lower Upper

156 100

77 116.2 57.7 173.1

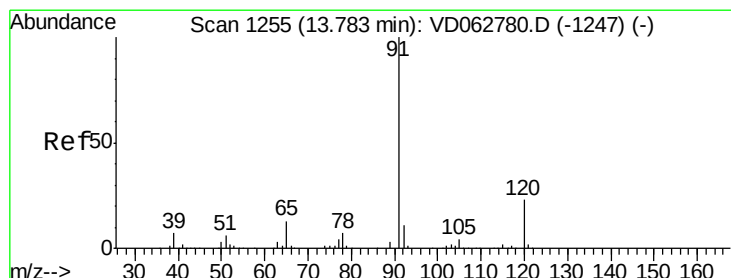
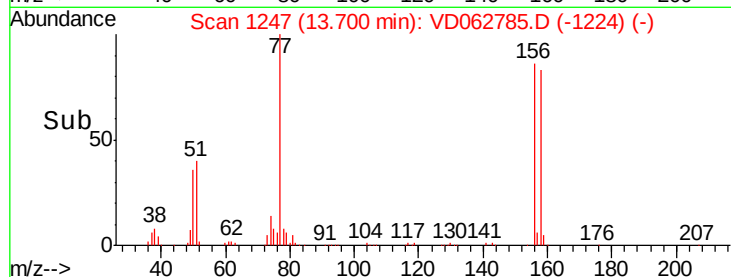
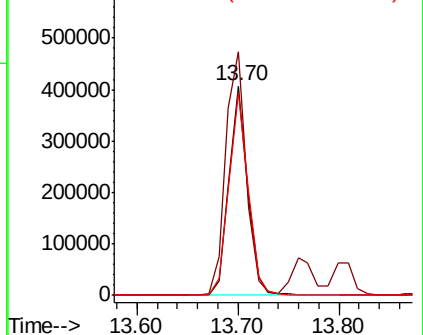
158 96.6 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.328 ug/l

RT: 13.81 min Scan# 1258

Delta R.T. 0.03 min

Lab File: VD062785.D

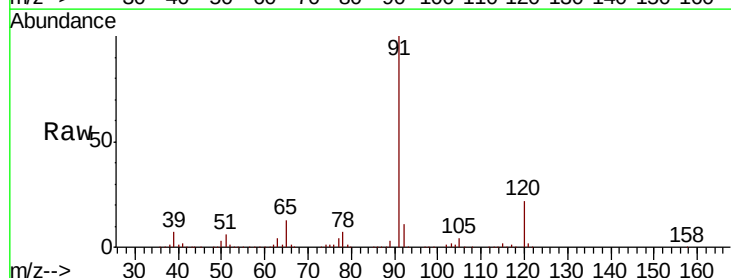
Acq: 20 Jun 2019 10:59

Tgt Ion: 91 Resp: 2208800

Ion Ratio Lower Upper

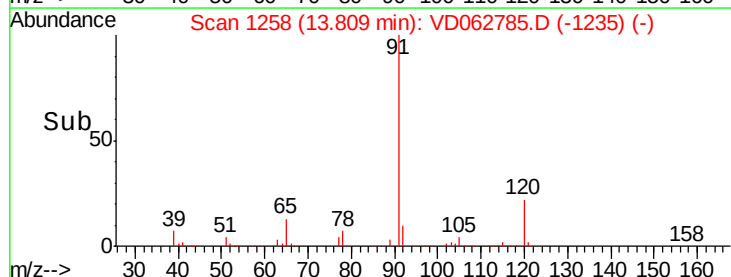
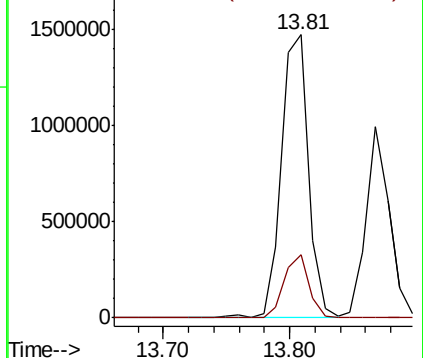
91 100

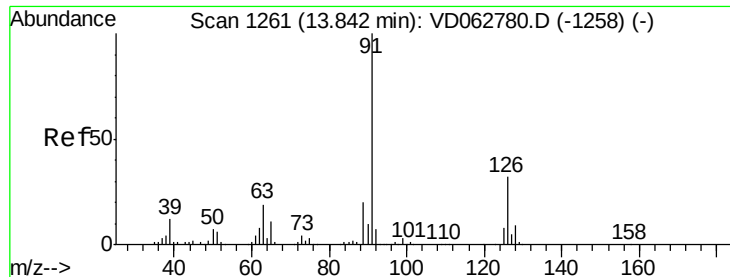
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.062 ug/l

RT: 13.87 min Scan# 1264

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

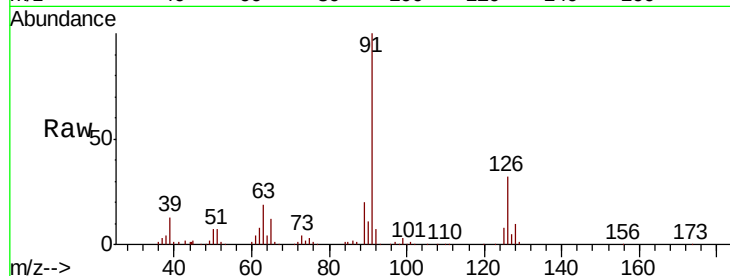
ClientSampleId :

Tot Ion: 91 Resp: 1255188

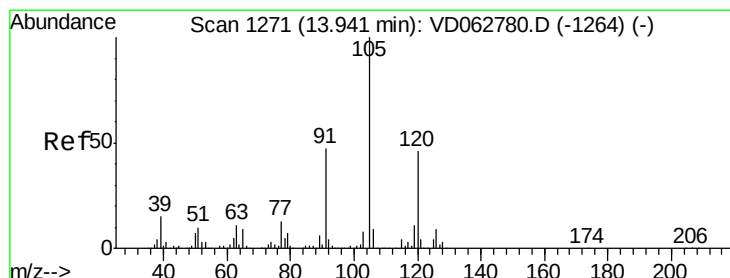
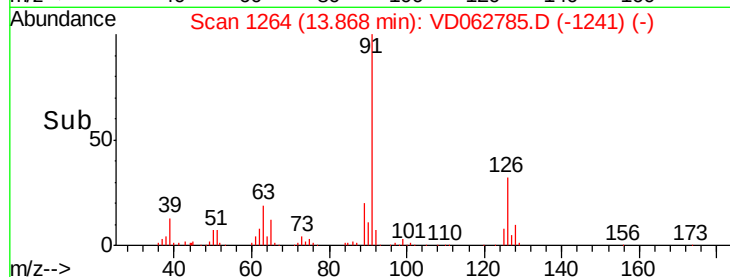
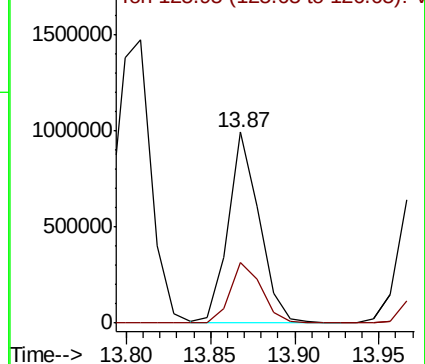
Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.298 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.03 min

Lab File: VD062785.D

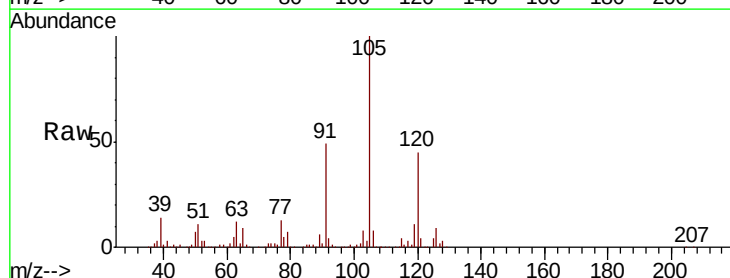
Acq: 20 Jun 2019 10:59

Tgt Ion: 105 Resp: 1727747

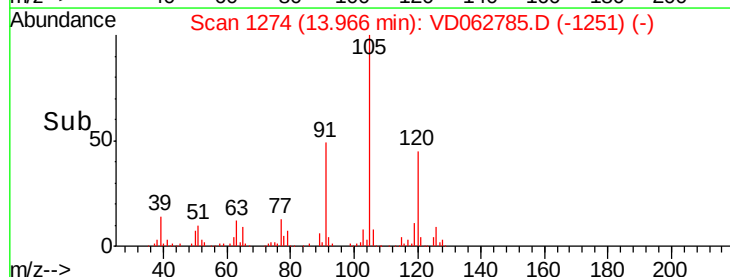
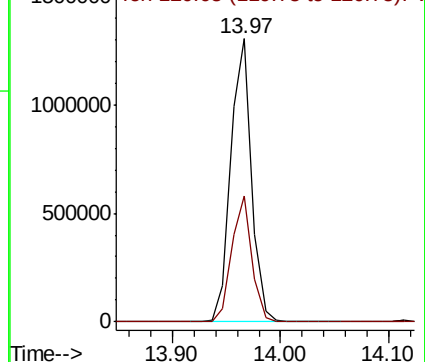
Ion Ratio Lower Upper

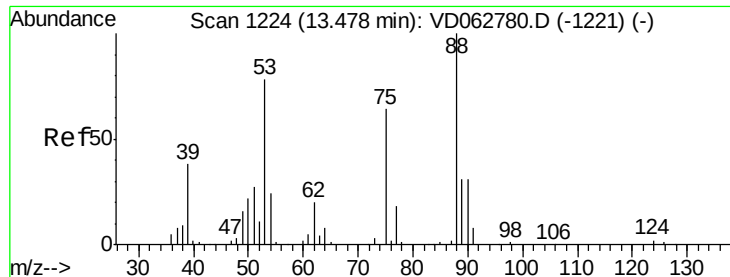
105 100

120 44.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

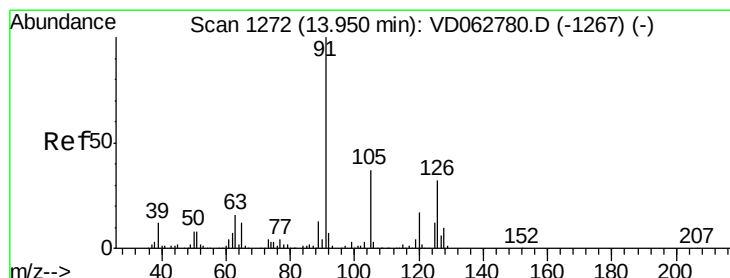
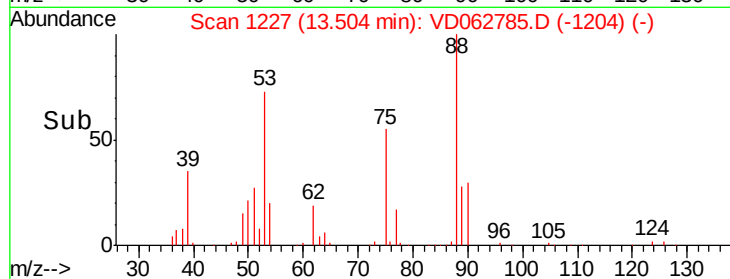
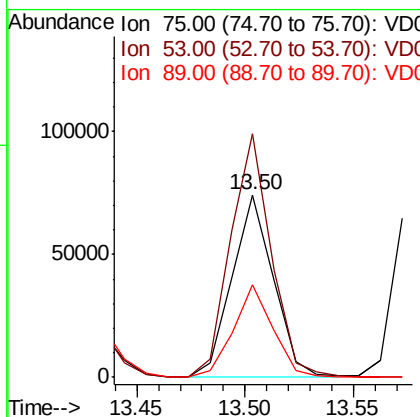
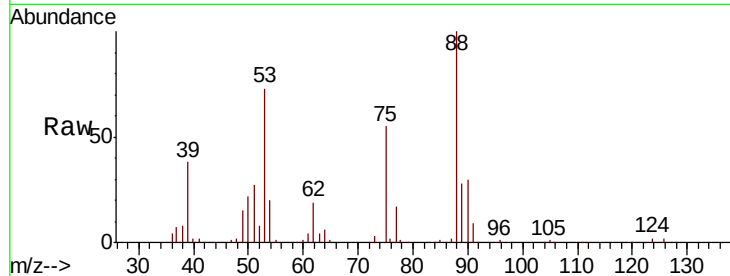




#81
trans-1,4-Dichloro-2-butene
Concen: 52.180 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

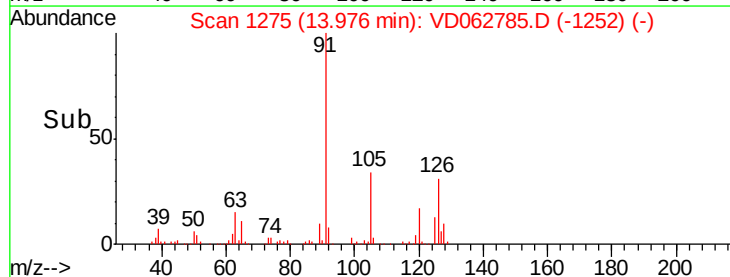
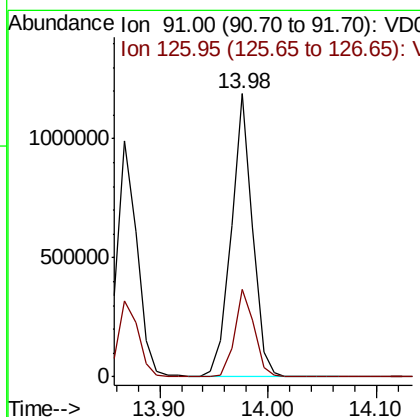
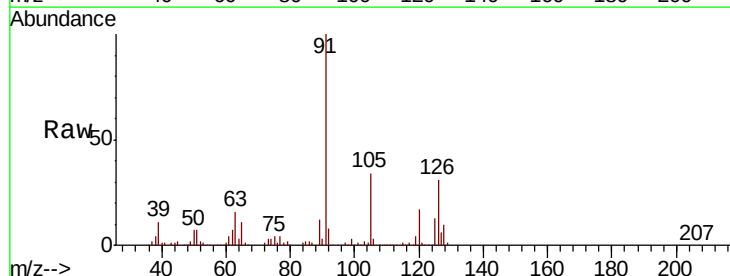
Instrument :
MSVOA_D
ClientSampleId :

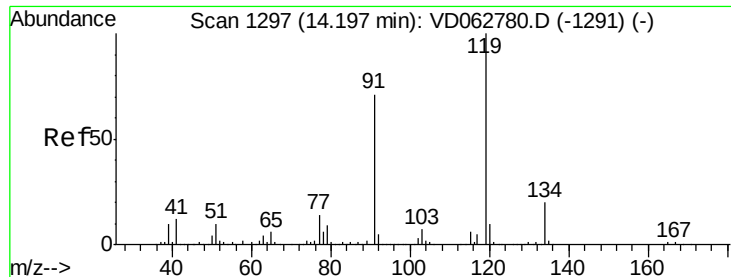
Tot Ion: 75 Resp: 98731
Ion Ratio Lower Upper
75 100
53 133.4 97.8 146.8
89 51.0 39.4 59.2



#82
4-Chlorotoluene
Concen: 50.721 ug/l
RT: 13.98 min Scan# 1275
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion: 91 Resp: 1628647
Ion Ratio Lower Upper
91 100
126 30.8 16.0 47.9

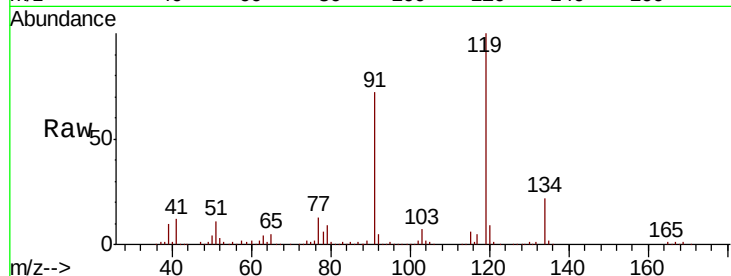




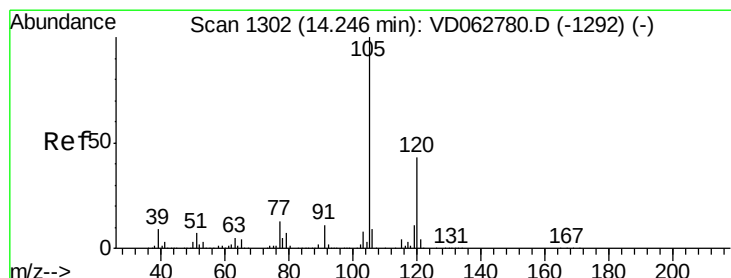
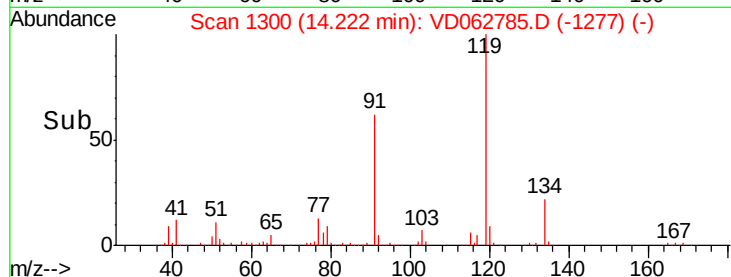
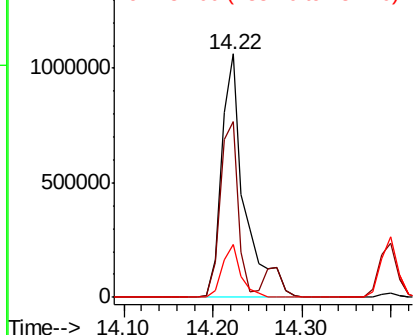
#83
 tert-Butylbenzene
 Concen: 50.987 ug/l
 RT: 14.22 min Scan# 1300
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 1914155
 Ion Ratio Lower Upper
 119 100
 91 72.0 35.5 106.5
 134 21.7 10.2 30.6

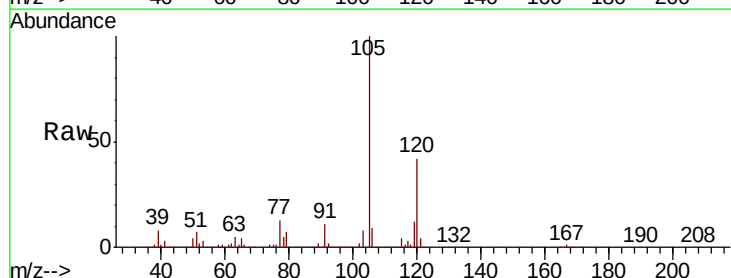


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

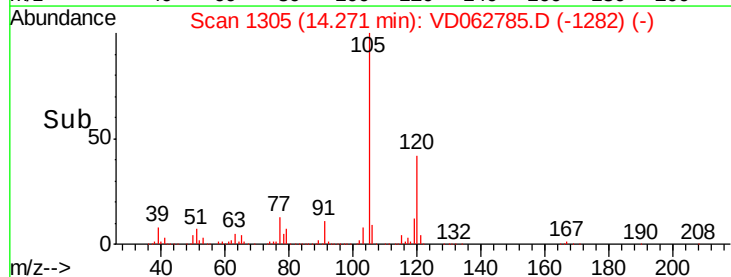
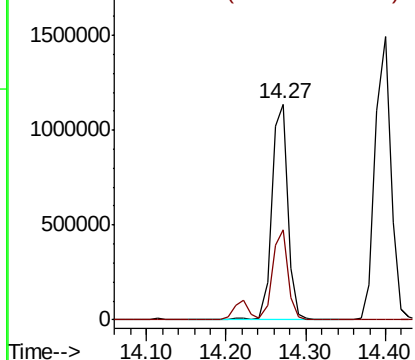


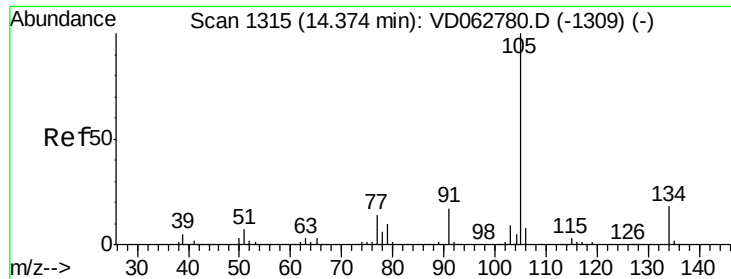
#84
 1,2,4-Trimethylbenzene
 Concen: 46.370 ug/l
 RT: 14.27 min Scan# 1305
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion:105 Resp: 1600752
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.3 63.9



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

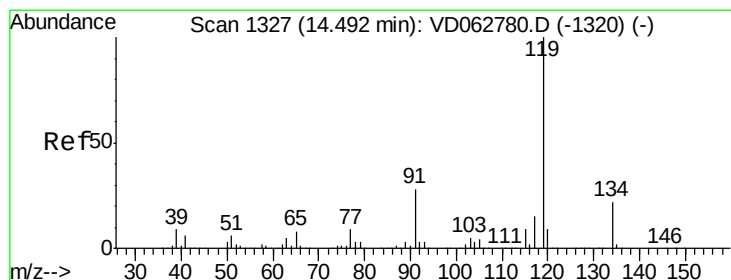
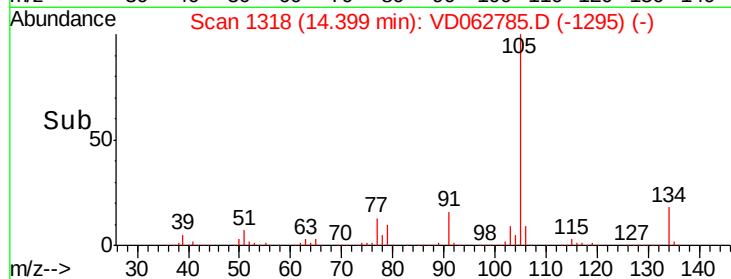
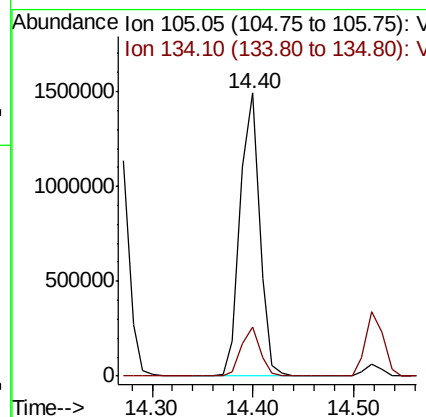
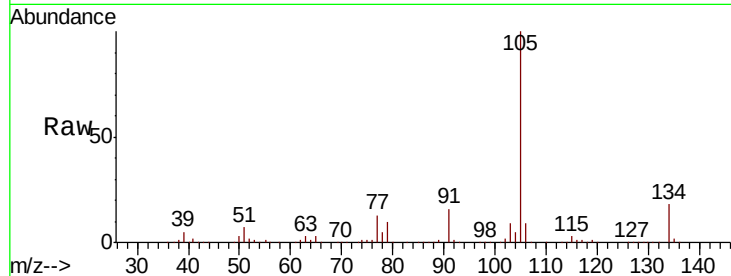




#85
 sec-Butylbenzene
 Concen: 49.040 ug/l
 RT: 14.40 min Scan# 1318
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

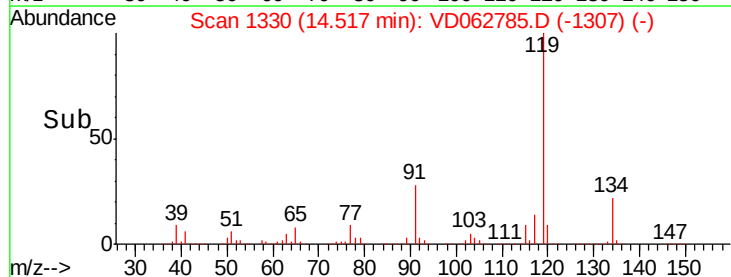
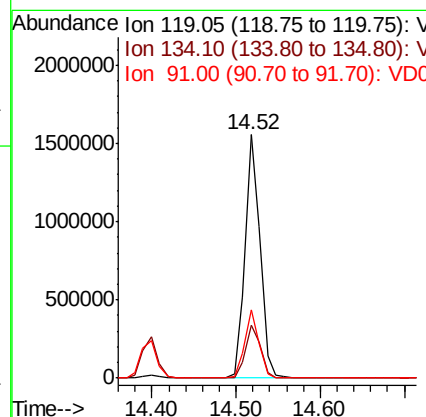
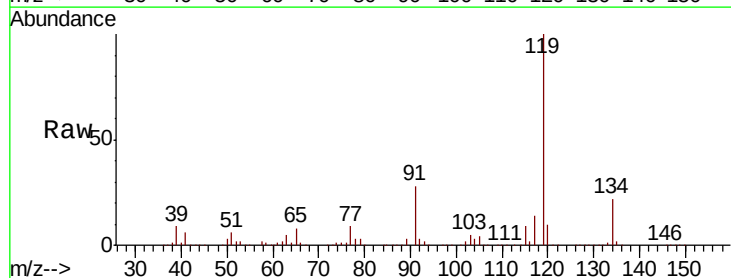
Instrument :
 MSVOA_D
 ClientSampleId :

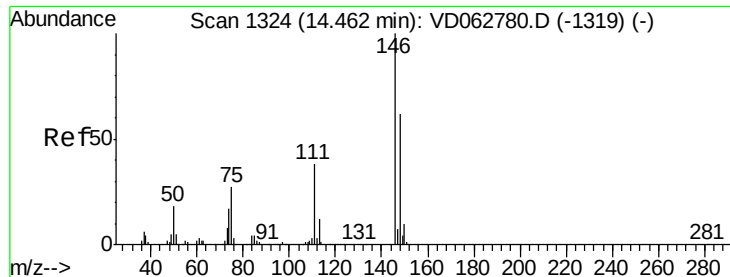
Tot Ion:105 Resp: 2000999
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 51.370 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion:119 Resp: 1917580
 Ion Ratio Lower Upper
 119 100
 134 21.7 11.1 33.1
 91 28.1 14.0 41.9

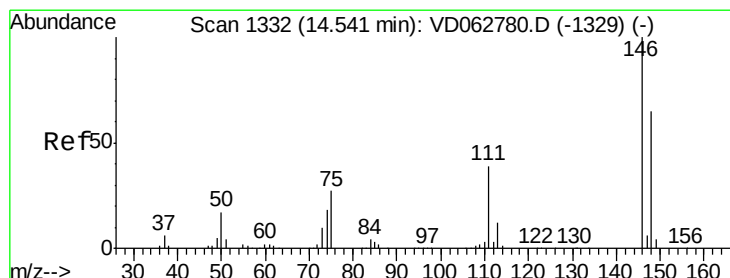
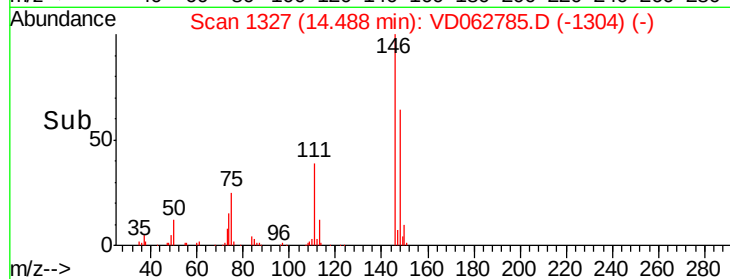
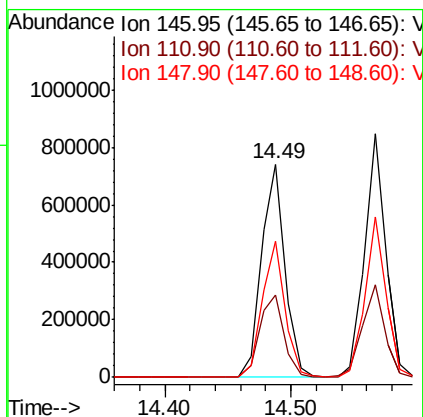
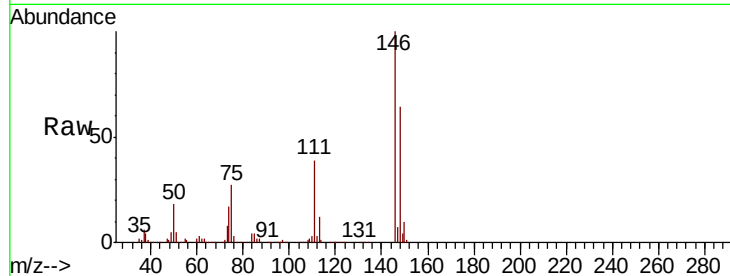




#87
 1,3-Dichlorobenzene
 Concen: 49.582 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

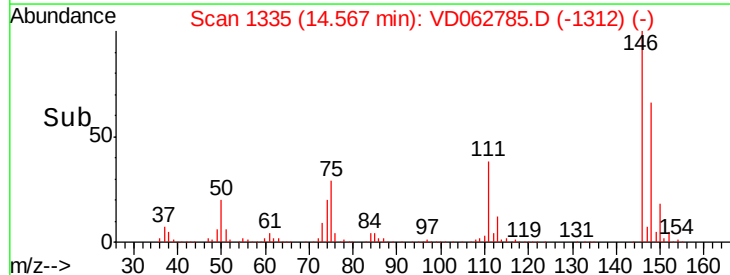
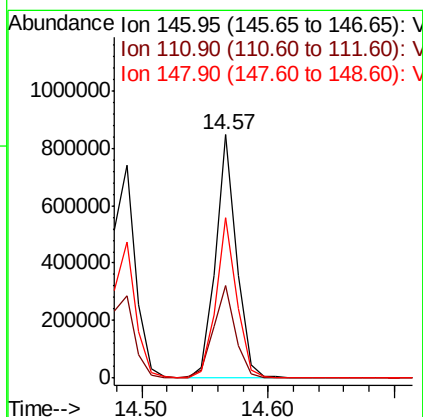
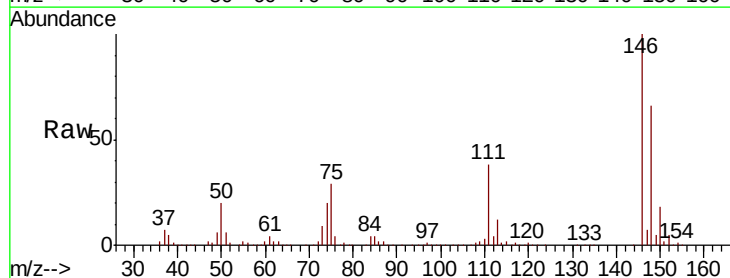
Instrument :
 MSVOA_D
 ClientSampleId :

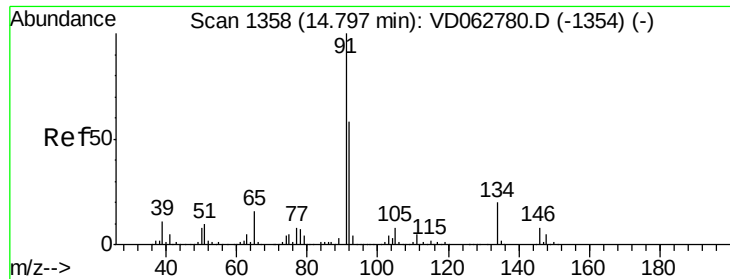
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.0	57.0
148	63.9	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 50.544 ug/l
 RT: 14.57 min Scan# 1335
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.7	59.1
148	65.9	32.8	98.3





#89

n-Butylbenzene

Concen: 50.911 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.03 min

Lab File: VD062785.D

Acq: 20 Jun 2019 10:59

Instrument :

MSVOA_D

ClientSampleId :

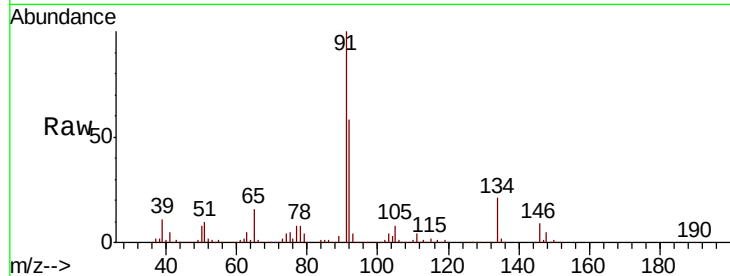
Tot Ion: 91 Resp: 1778744

Ion Ratio Lower Upper

91 100

92 58.2 28.9 86.7

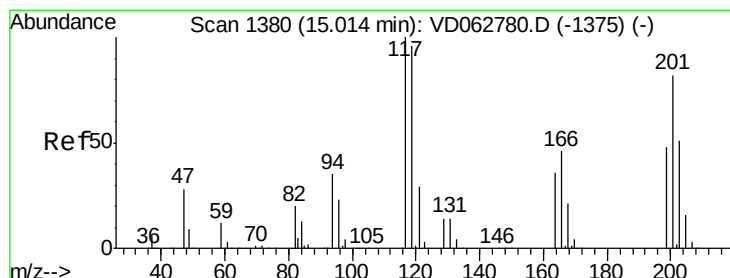
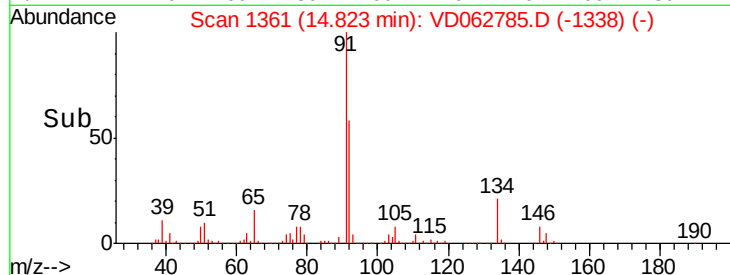
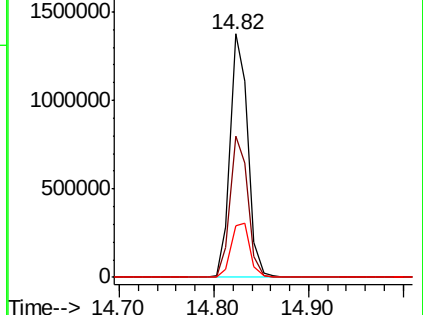
134 21.1 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.141 ug/l

RT: 15.04 min Scan# 1383

Delta R.T. 0.03 min

Lab File: VD062785.D

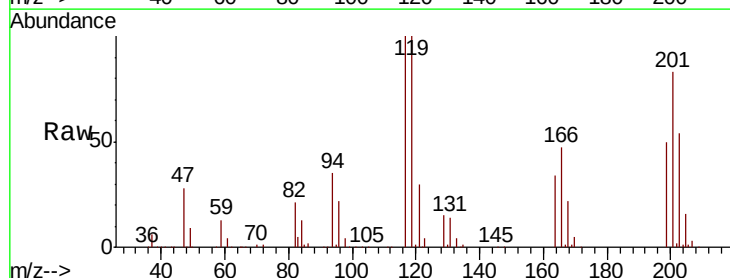
Acq: 20 Jun 2019 10:59

Tgt Ion: 117 Resp: 513279

Ion Ratio Lower Upper

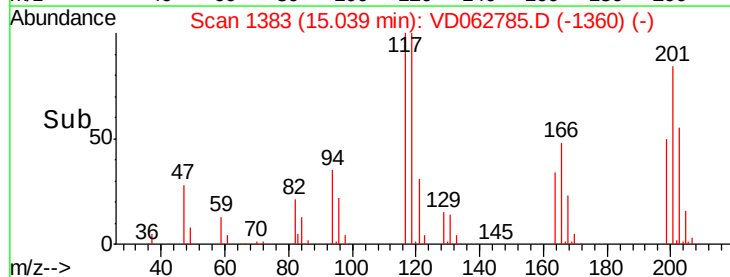
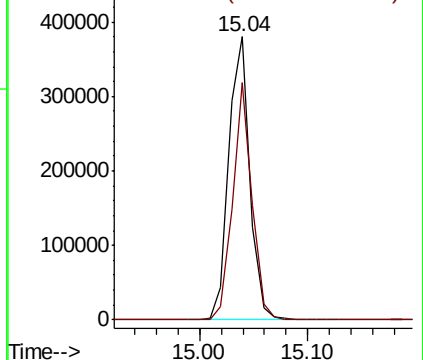
117 100

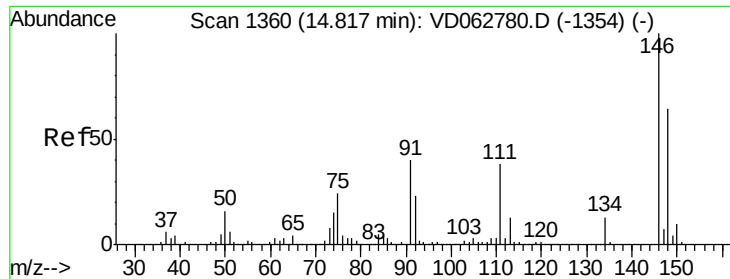
201 83.9 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

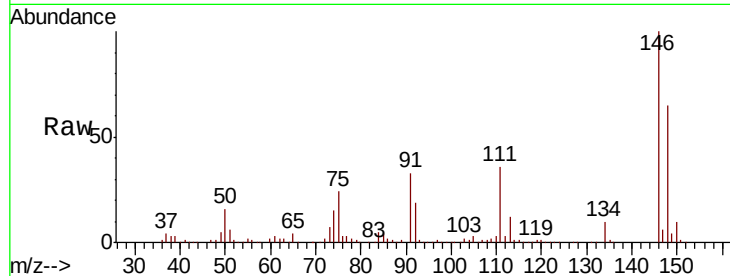




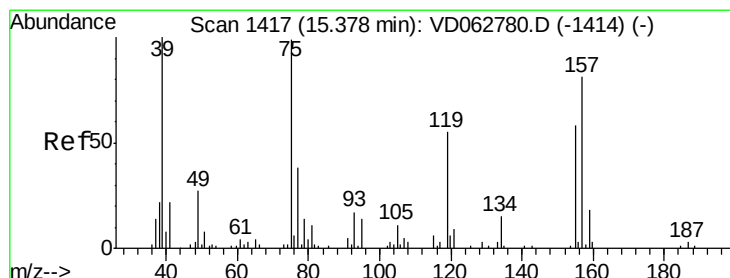
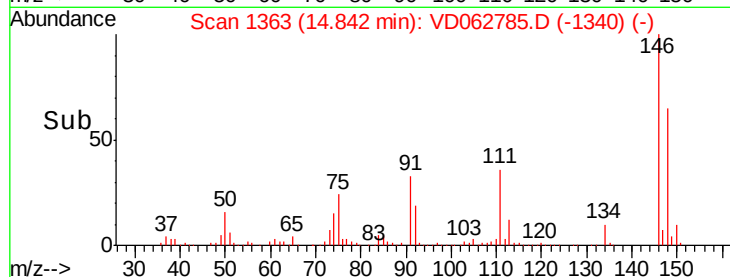
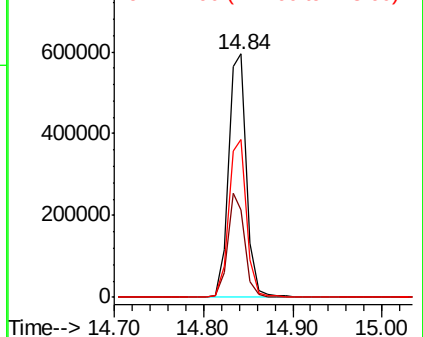
#91
 1,2-Dichlorobenzene
 Concen: 51.507 ug/l
 RT: 14.84 min Scan# 1363
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 851982
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.1 57.1
 148 64.8 32.3 96.8

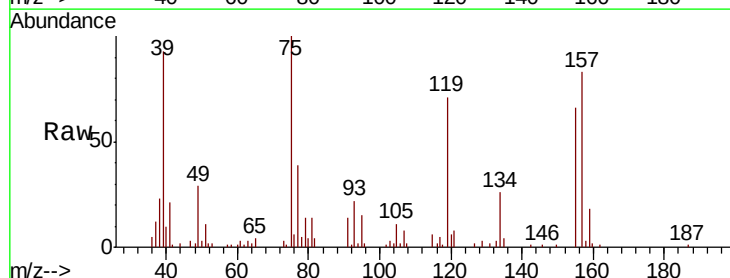


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

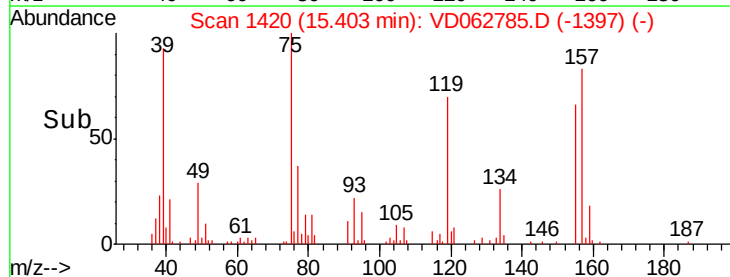
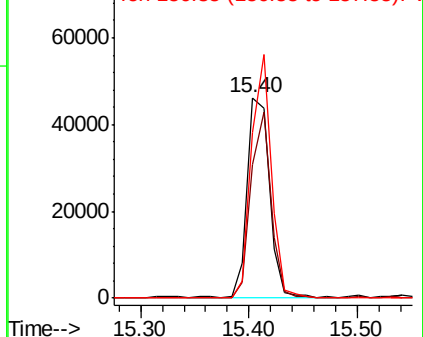


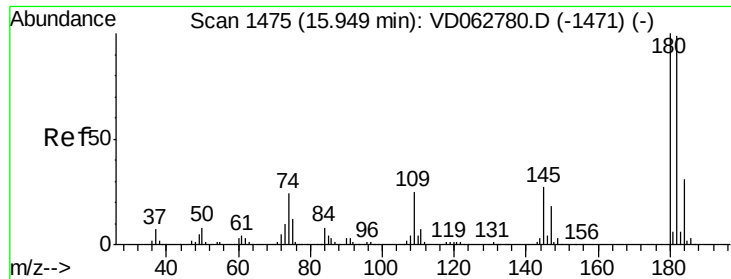
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.671 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion: 75 Resp: 67165
 Ion Ratio Lower Upper
 75 100
 155 66.3 29.3 87.8
 157 82.6 41.3 123.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

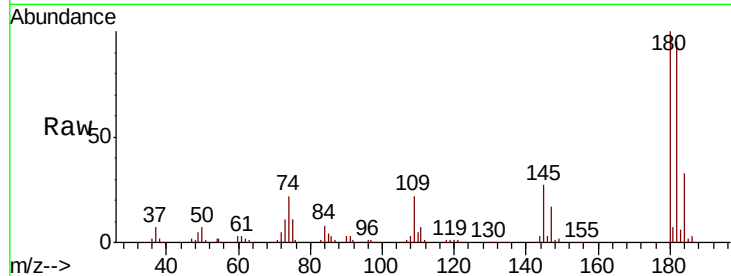




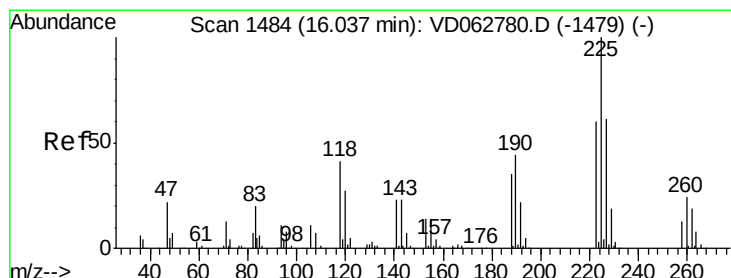
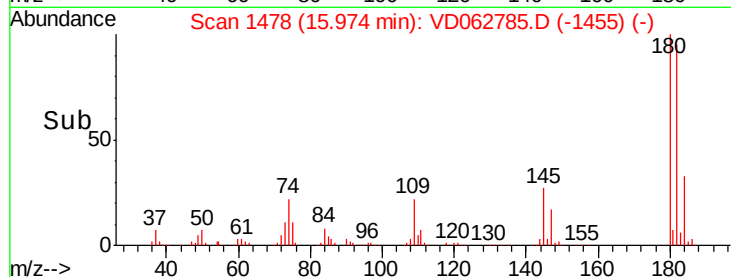
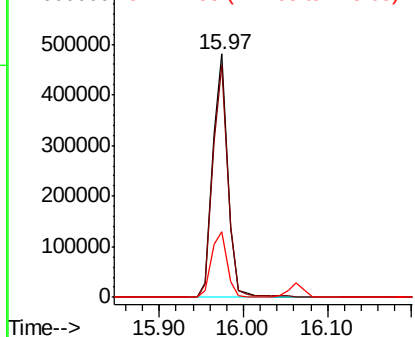
#93
 1,2,4-Trichlorobenzene
 Concen: 46.201 ug/l
 RT: 15.97 min Scan# 1478
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 596981
 Ion Ratio Lower Upper
 180 100
 182 95.2 49.5 148.5
 145 26.9 13.7 41.0

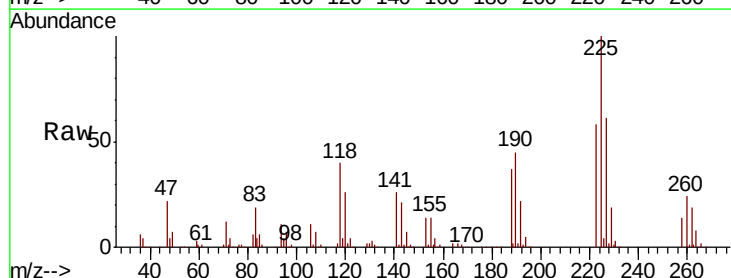


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

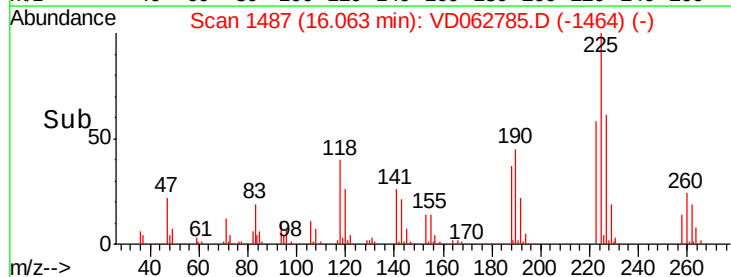
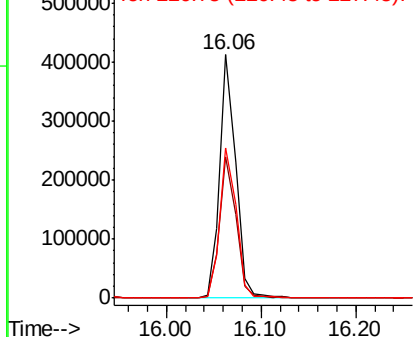


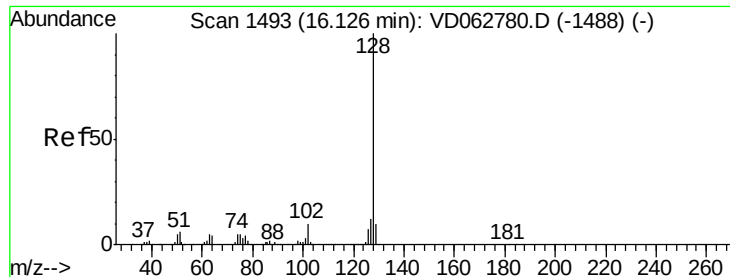
#94
 Hexachlorobutadiene
 Concen: 49.235 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. 0.03 min
 Lab File: VD062785.D
 Acq: 20 Jun 2019 10:59

Tgt Ion:225 Resp: 486014
 Ion Ratio Lower Upper
 225 100
 223 57.8 29.8 89.5
 227 61.4 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

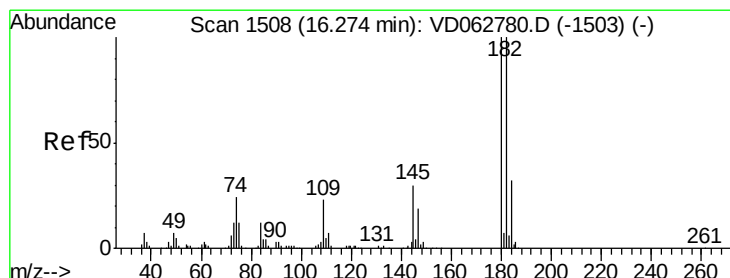
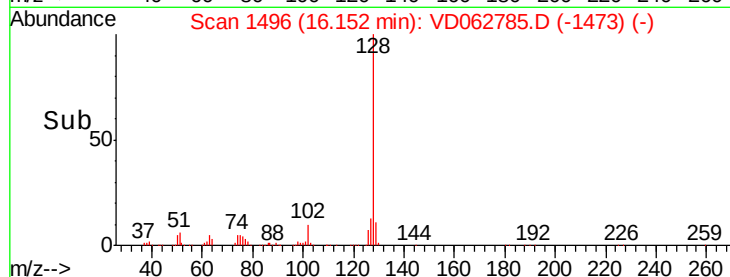
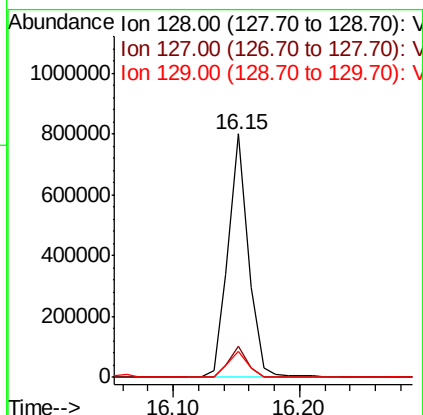
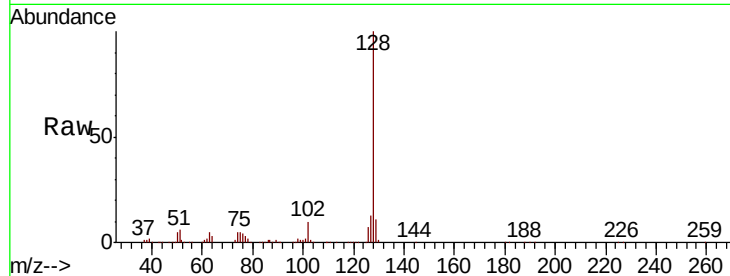




#95
Naphthalene
Concen: 49.447 ug/l
RT: 16.15 min Scan# 1496
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 895509
Ion Ratio Lower Upper
128 100
127 12.6 9.7 14.5
129 10.8 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.933 ug/l
RT: 16.30 min Scan# 1511
Delta R.T. 0.03 min
Lab File: VD062785.D
Acq: 20 Jun 2019 10:59

Tgt Ion:180 Resp: 515588
Ion Ratio Lower Upper
180 100
182 95.6 49.9 149.6
145 28.6 15.2 45.5

