

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062986.D
 Acq On : 1 Jul 2019 13:25
 Operator : VA/AP
 Sample : VD0701SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:34:22 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	7.03	168	846968	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1054726	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	923544	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	545554	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	436901	47.46	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	6.92	113	477112	53.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.30%	
50) Toluene-d8	10.40	98	1018077	52.60	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	13.55	95	440065	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	233462	21.301	ug/l	98
3) Chloromethane	1.74	50	162036	19.658	ug/l	98
4) Vinyl Chloride	1.84	62	159753	19.547	ug/l	97
5) Bromomethane	2.14	94	64136	16.757	ug/l	98
6) Chloroethane	2.25	64	74670	20.181	ug/l	99
7) Trichlorofluoromethane	2.52	101	341124	20.625	ug/l	93
8) Diethyl Ether	2.86	74	47399	22.555	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.14	101	170174	18.992	ug/l	89
10) Methyl Iodide	3.29	142	216573	18.320	ug/l	98
11) Tert butyl alcohol	4.08	59	47404	113.054	ug/l #	81
12) 1,1-Dichloroethene	3.12	96	131303	19.534	ug/l	97
13) Acrolein	3.03	56	30077	70.264	ug/l	83
14) Allyl chloride	3.61	41	198940	20.030	ug/l	90
15) Acrylonitrile	4.19	53	104749	106.317	ug/l	98
16) Acetone	3.23	43	174211	88.801	ug/l #	90
17) Carbon Disulfide	3.36	76	409871	19.079	ug/l	97
18) Methyl Acetate	3.64	43	84267	30.321	ug/l	99
19) Methyl tert-butyl Ether	4.24	73	310844	21.362	ug/l	95
20) Methylene Chloride	3.81	84	148611	21.166	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	145994	20.398	ug/l	79
22) Diisopropyl ether	5.12	45	436767	21.624	ug/l #	90
23) Vinyl Acetate	5.05	43	1307266	103.430	ug/l	99
24) 1,1-Dichloroethane	4.97	63	277446	21.097	ug/l	98
25) 2-Butanone	6.07	43	178542	103.690	ug/l	96
26) 2,2-Dichloropropane	6.01	77	295708	21.214	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	161220	21.301	ug/l	88
28) Bromochloromethane	6.42	49	101981	22.018	ug/l	89
29) Tetrahydrofuran	6.45	42	89423	109.764	ug/l	99
30) Chloroform	6.65	83	336744	21.055	ug/l	100
31) Cyclohexane	6.94	56	179542	20.767	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	355773	21.357	ug/l	91
36) 1,1-Dichloropropene	7.13	75	218752	21.909	ug/l	93
37) Ethyl Acetate	6.18	43	92606	21.451	ug/l #	94
38) Carbon Tetrachloride	7.09	117	343347	22.865	ug/l	97

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 Sample : VD0701SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 02 07:34:22 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	8.86	83	209085	23.790	ug/l	92
40) Benzene	7.44	78	440219	21.965	ug/l	92
41) Methacrylonitrile	6.44	41	121353	23.047	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	253577	23.193	ug/l	100
43) Isopropyl Acetate	9.23	43	118333	22.606	ug/l #	98
44) Trichloroethene	8.53	130	182569	23.236	ug/l	90
45) 1,2-Dichloropropane	8.94	63	112012	22.476	ug/l	99
46) Dibromomethane	9.05	93	95799	22.378	ug/l	93
47) Bromodichloromethane	9.37	83	250241	22.508	ug/l	97
48) Methyl methacrylate	9.11	41	88088	23.681	ug/l	91
49) 1,4-Dioxane	9.07	88	15225	491.962	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	423954	114.235	ug/l	96
52) Toluene	10.50	92	298985	22.193	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	203293	22.340	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	221158	22.360	ug/l #	93
55) 1,1,2-Trichloroethane	11.18	97	104518	22.581	ug/l #	88
56) Ethyl methacrylate	11.03	69	115276	23.305	ug/l	96
57) 1,3-Dichloropropane	11.40	76	162176	22.883	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.85	63	294656	116.032	ug/l	98
59) 2-Hexanone	11.52	43	319433	120.855	ug/l	99
60) Dibromochloromethane	11.68	129	195741	22.704	ug/l	98
61) 1,2-Dibromoethane	11.80	107	130544	23.881	ug/l	88
64) Tetrachloroethene	11.25	164	158349	20.833	ug/l	93
65) Chlorobenzene	12.39	112	368926	21.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	176296	21.994	ug/l	91
67) Ethyl Benzene	12.52	91	698748	22.707	ug/l	97
68) m/p-Xylenes	12.66	106	479020	44.693	ug/l	96
69) o-Xylene	13.04	106	209901	21.423	ug/l	88
70) Styrene	13.07	104	387578	22.521	ug/l	92
71) Bromoform	13.23	173	122659	22.335	ug/l #	88
73) Isopropylbenzene	13.39	105	713843	20.407	ug/l	100
74) N-amyl acetate	13.26	43	174411	20.532	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	109659	19.240	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	131970	20.954	ug/l	100
77) Bromobenzene	13.67	156	193197	20.534	ug/l	91
78) n-propylbenzene	13.77	91	851653	20.918	ug/l	98
79) 2-Chlorotoluene	13.84	91	480143	20.636	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	600815	20.449	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.46	75	32122	19.461	ug/l	83
82) 4-Chlorotoluene	13.95	91	604791	21.591	ug/l	96
83) tert-Butylbenzene	14.18	119	663061	20.246	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	577267	19.169	ug/l	96
85) sec-Butylbenzene	14.36	105	667604	18.755	ug/l	93
86) p-Isopropyltoluene	14.49	119	664262	20.399	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	349250	20.708	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	358808	21.181	ug/l	96
89) n-Butylbenzene	14.79	91	610302	20.024	ug/l	99
90) Hexachloroethane	15.01	117	177118	20.229	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	300894	20.852	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22984	20.661	ug/l	90

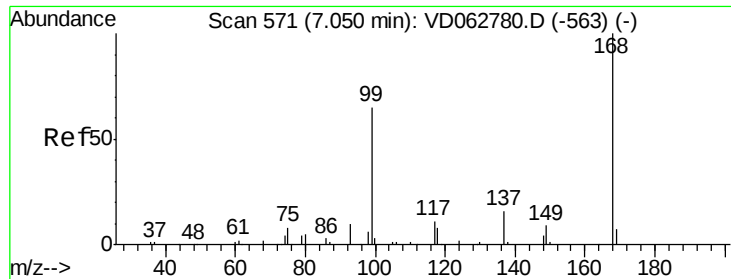
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062986.D
Acq On : 1 Jul 2019 13:25
Operator : VA/AP
Sample : VD0701SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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ClientSampleId :

Quant Time: Jul 02 07:34:22 2019
Quant Method : Z:\V0ASRV\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	15.94	180	227326	20.167	ug/l	99
94) Hexachlorobutadiene	16.03	225	164348	19.085	ug/l	90
95) Naphthalene	16.12	128	338333	21.415	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	195512	22.575	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

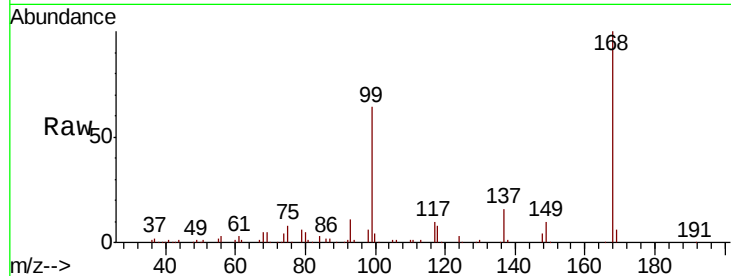
ClientSampleId :

Tot Ion:168 Resp: 846968

Ion Ratio Lower Upper

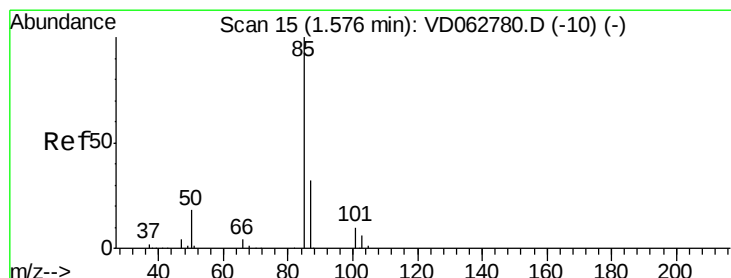
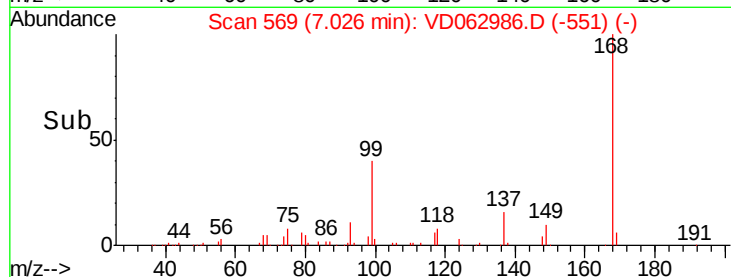
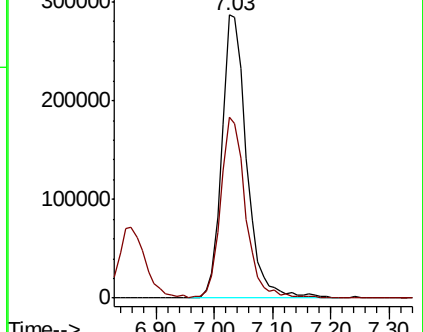
168 100

99 64.0 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: 21.301 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062986.D

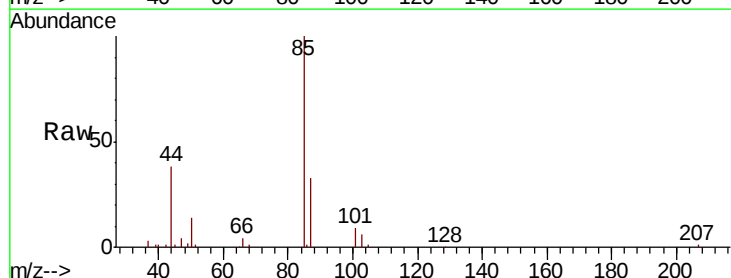
Acq: 1 Jul 2019 13:25

Tgt Ion: 85 Resp: 233462

Ion Ratio Lower Upper

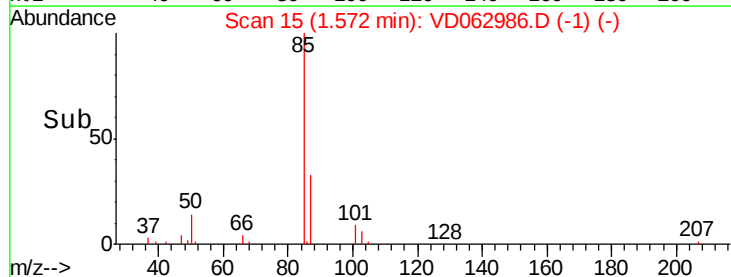
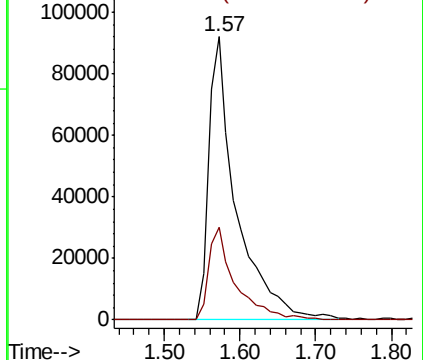
85 100

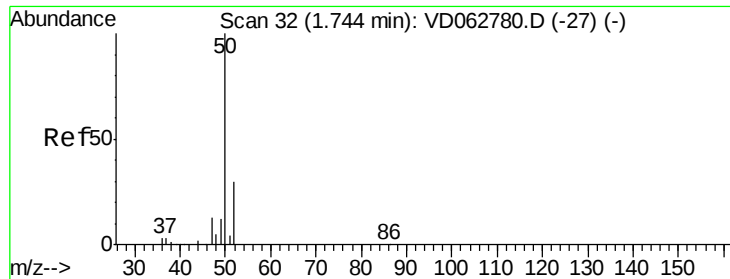
87 32.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.658 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

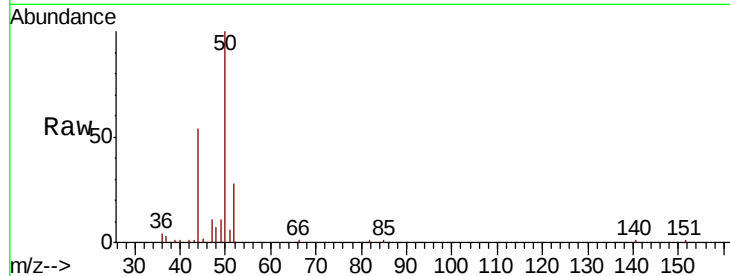
ClientSampleId :

Tot Ion: 50 Resp: 162036

Ion Ratio Lower Upper

50 100

52 28.5 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

50000

40000

30000

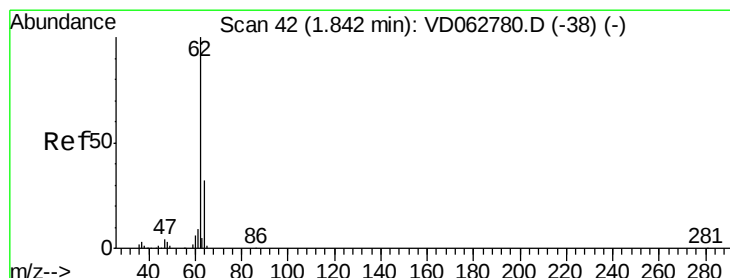
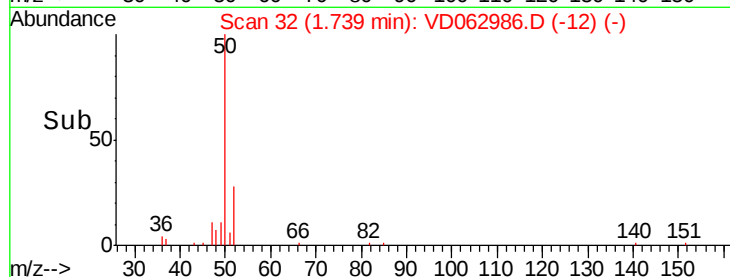
20000

10000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 19.547 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062986.D

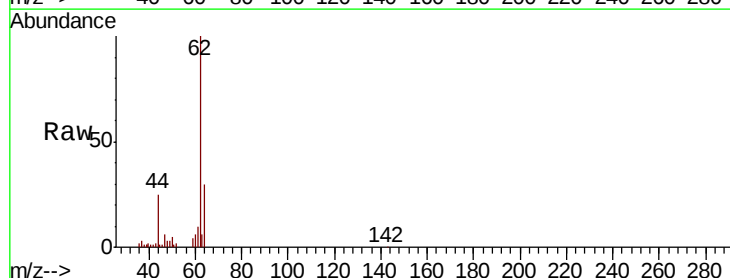
Acq: 1 Jul 2019 13:25

Tgt Ion: 62 Resp: 159753

Ion Ratio Lower Upper

62 100

64 30.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

80000

60000

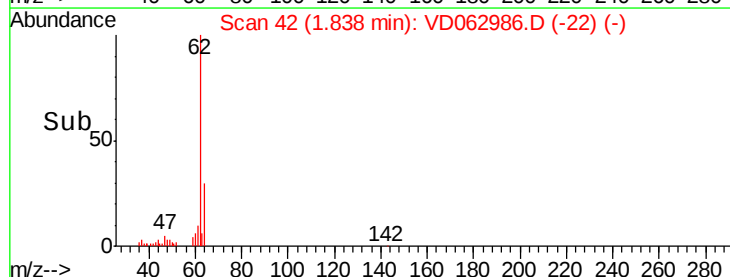
40000

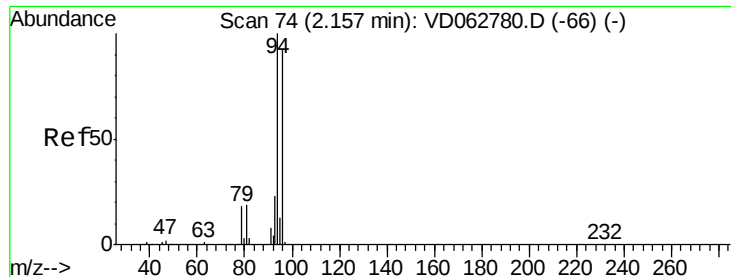
20000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 16.757 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

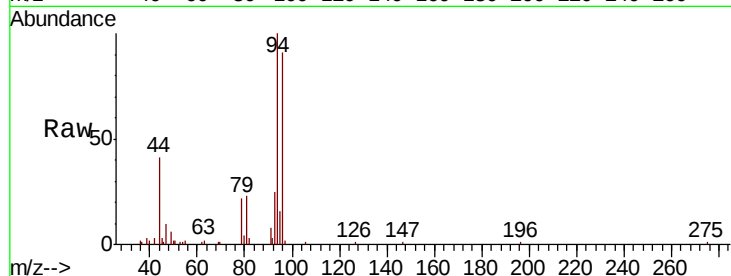
Tot Ion: 94 Resp: 64136

Ion Ratio Lower Upper

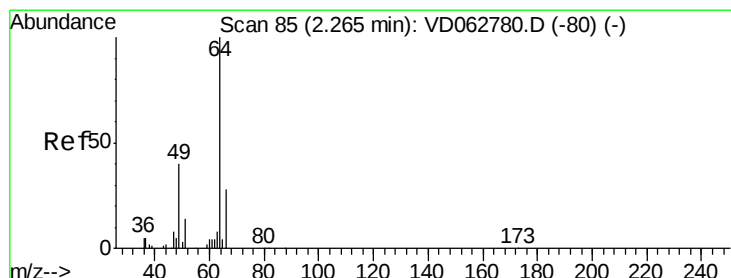
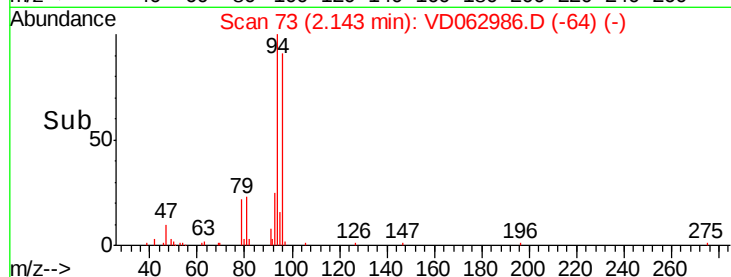
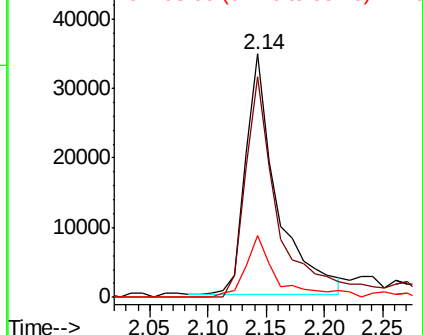
94 100

96 90.5 73.4 110.2

93 25.2 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: 20.181 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062986.D

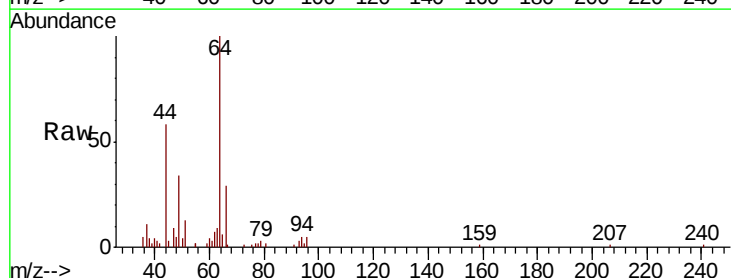
Acq: 1 Jul 2019 13:25

Tgt Ion: 64 Resp: 74670

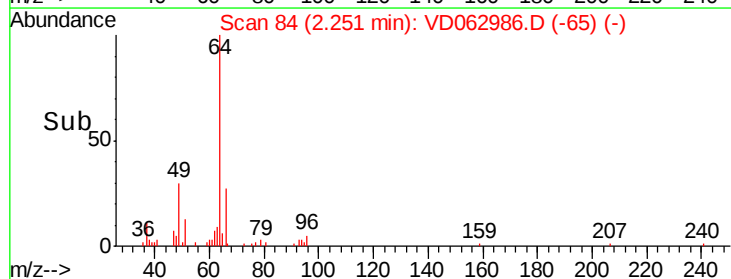
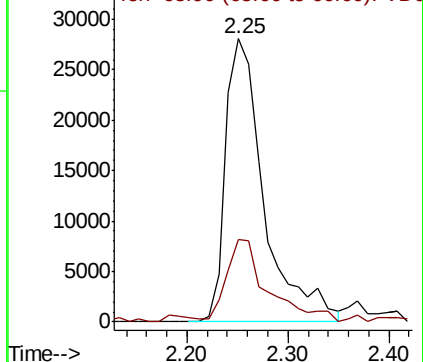
Ion Ratio Lower Upper

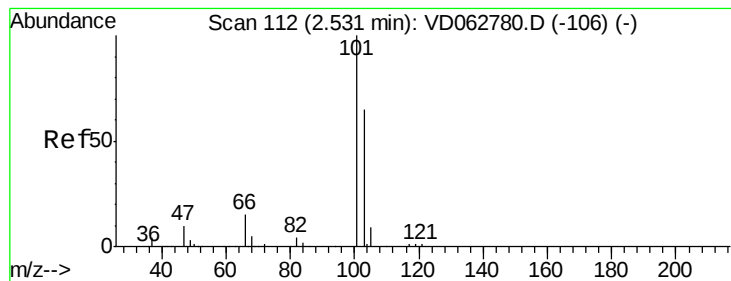
64 100

66 29.0 23.0 34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



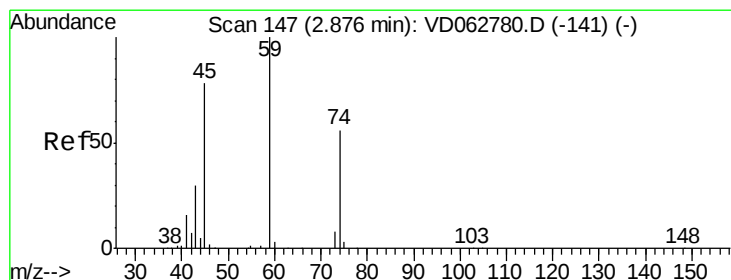
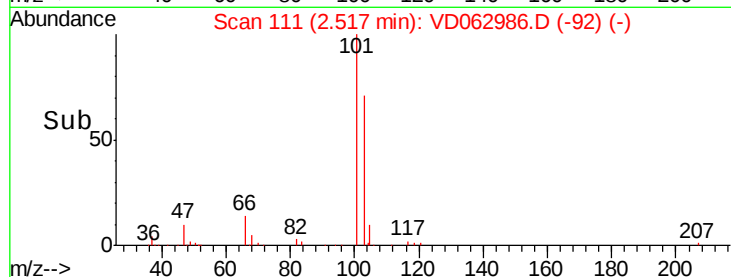
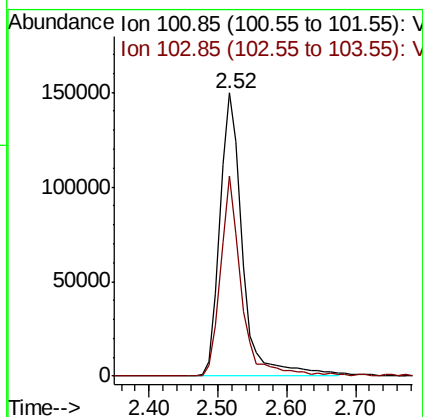
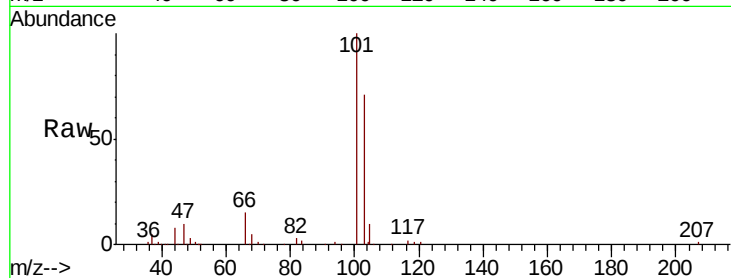


#7

Trichlorofluoromethane
Concen: 20.625 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

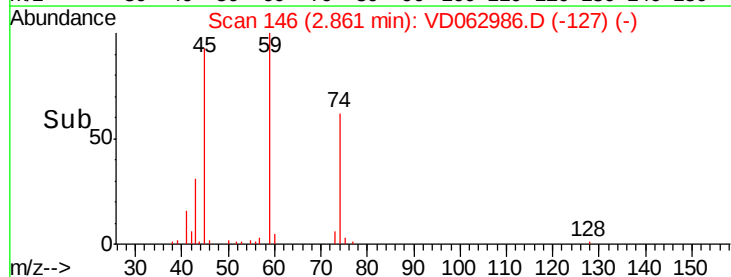
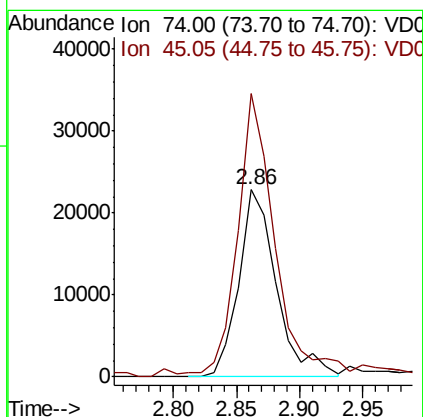
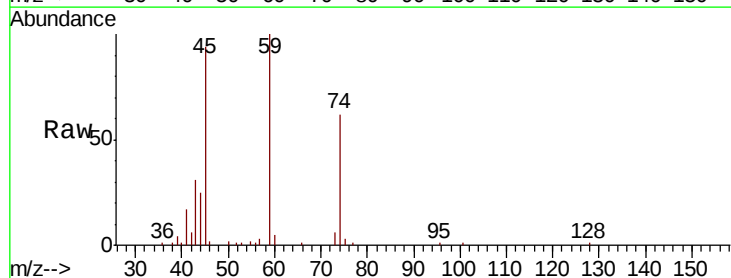
Tot Ion:101 Resp: 341124
Ion Ratio Lower Upper
101 100
103 70.7 51.8 77.8

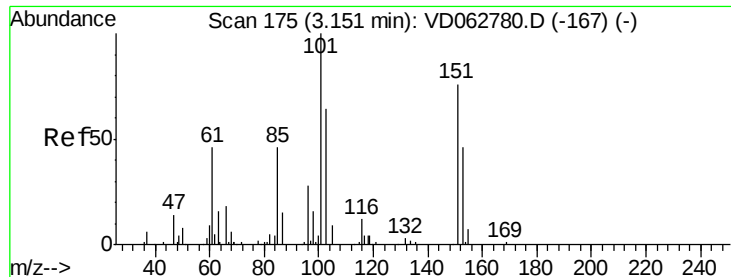


#8

Diethyl Ether
Concen: 22.555 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 74 Resp: 47399
Ion Ratio Lower Upper
74 100
45 151.5 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.992 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

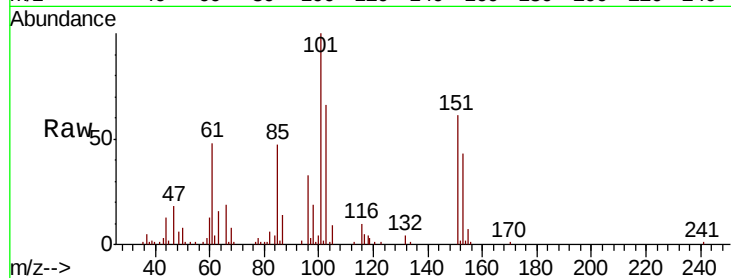
Tot Ion:101 Resp: 170174

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.4

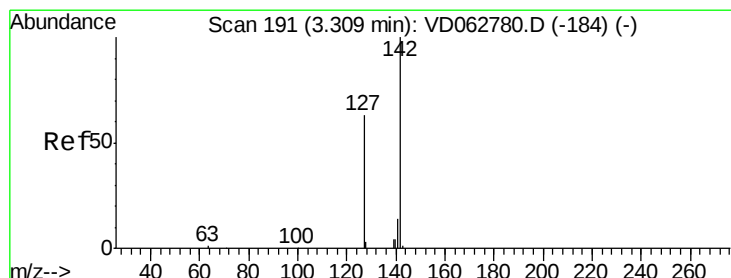
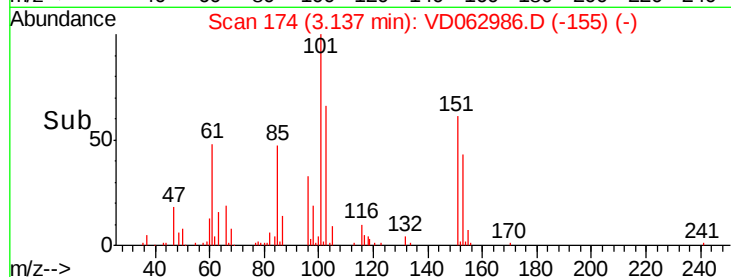
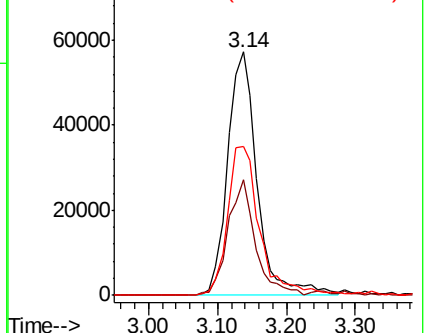
151 61.1 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.320 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

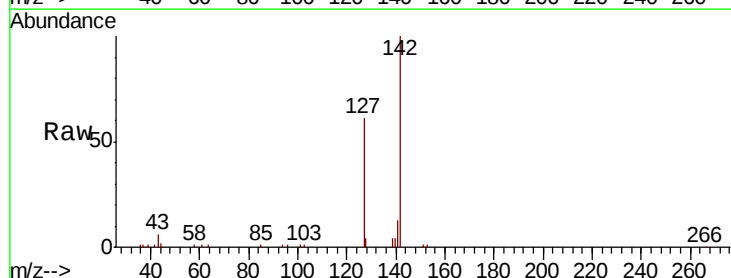
Tgt Ion:142 Resp: 216573

Ion Ratio Lower Upper

142 100

127 60.9 50.1 75.1

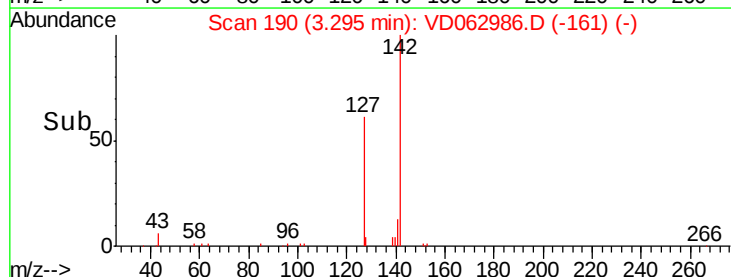
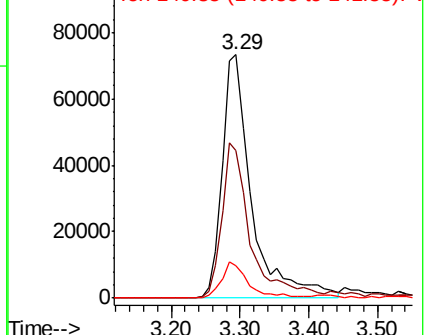
141 13.4 11.0 16.4

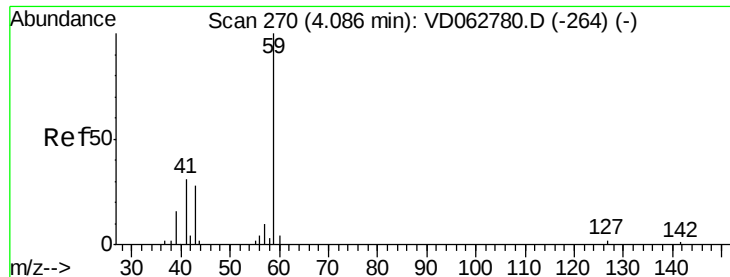


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



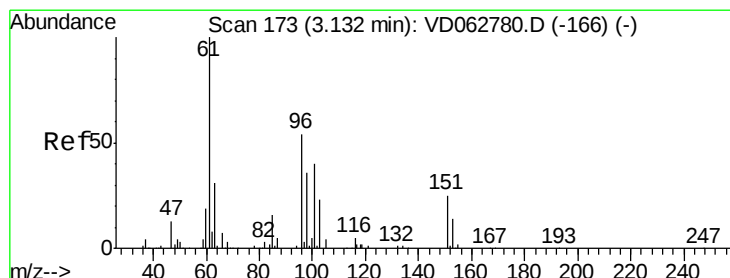
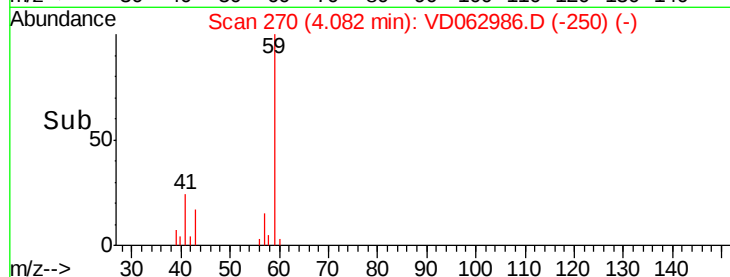
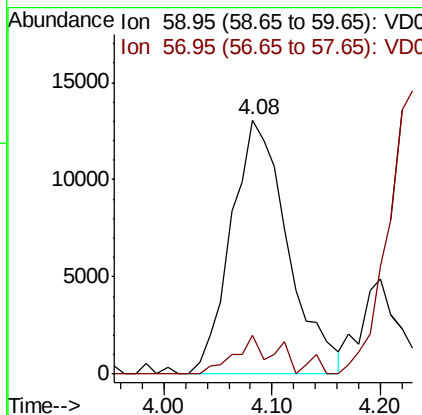
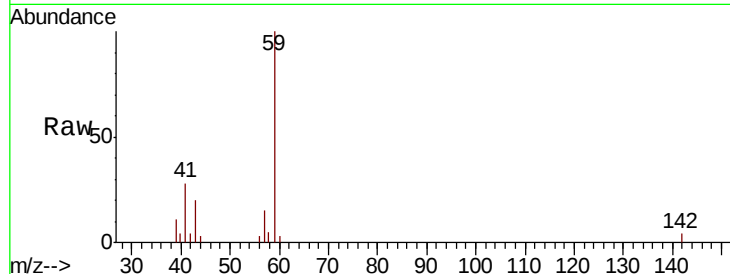


#11

Tert butyl alcohol
 Concen: 113.054 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :

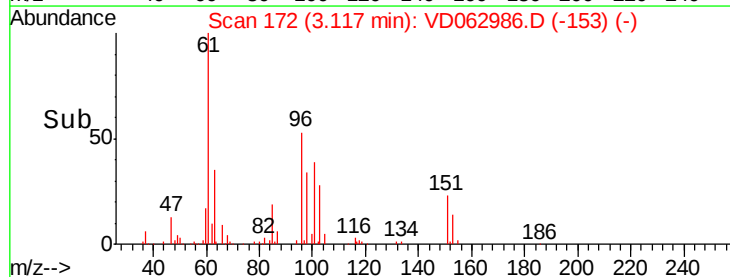
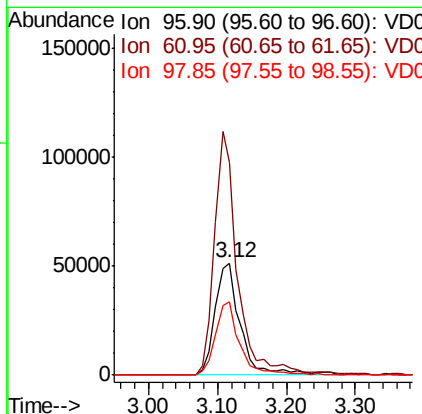
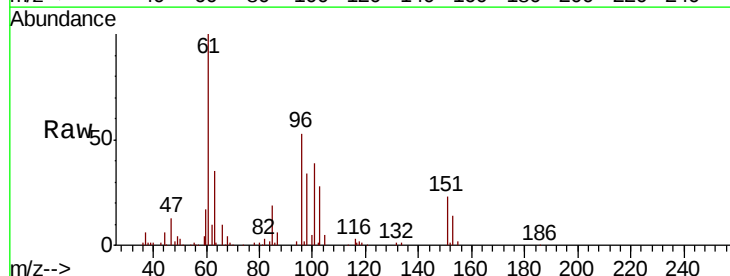
Tot Ion: 59 Resp: 47404
 Ion Ratio Lower Upper
 59 100
 57 15.1 6.6 10.0#

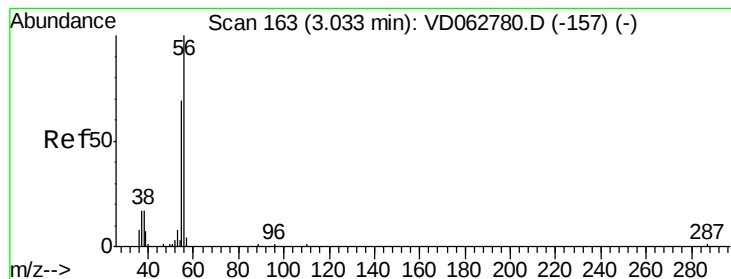


#12

1,1-Dichloroethene
 Concen: 19.534 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion: 96 Resp: 131303
 Ion Ratio Lower Upper
 96 100
 61 189.6 147.1 220.7
 98 65.0 52.6 79.0





#13

Acrolein

Concen: 70.264 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

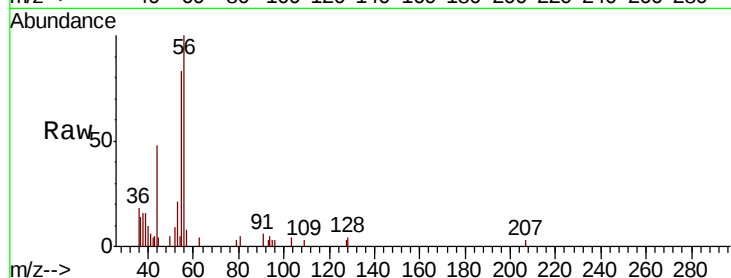
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 30077

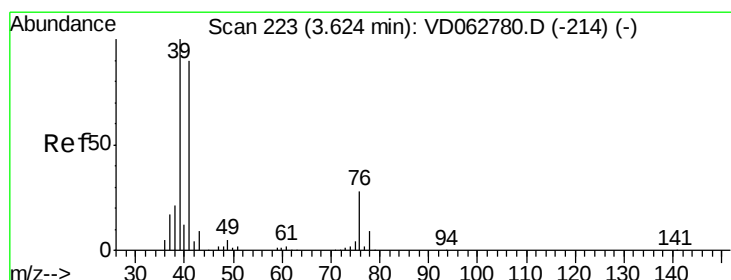
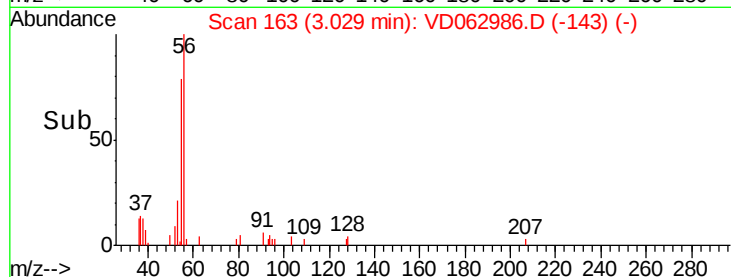
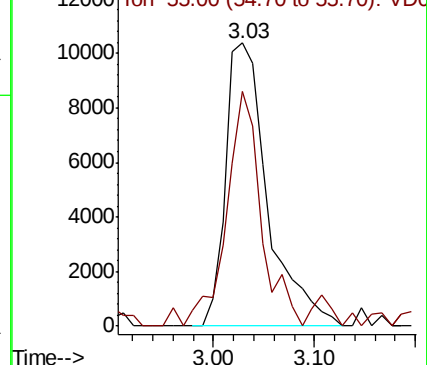
Ion Ratio Lower Upper

56 100

55 83.0 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.030 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

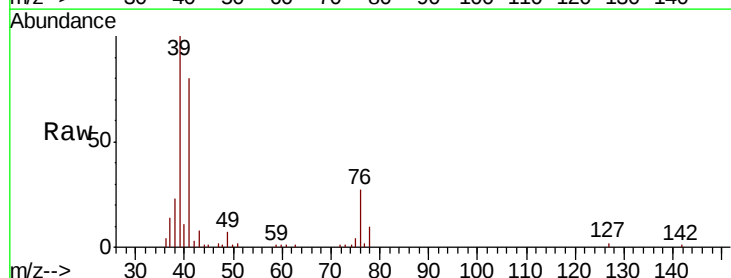
Tgt Ion: 41 Resp: 198940

Ion Ratio Lower Upper

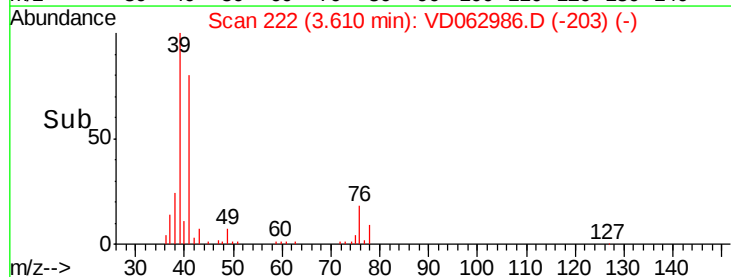
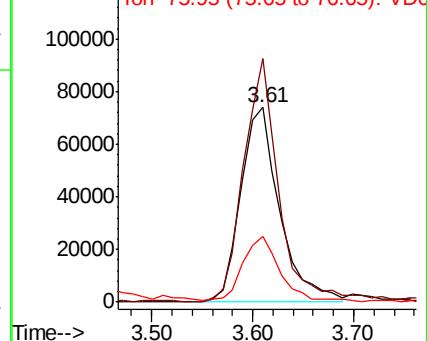
41 100

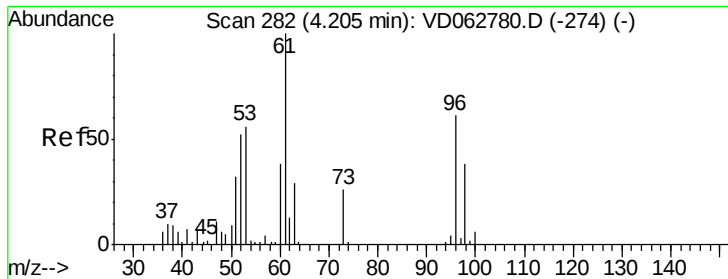
39 125.0 88.8 133.2

76 33.8 26.7 40.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.317 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

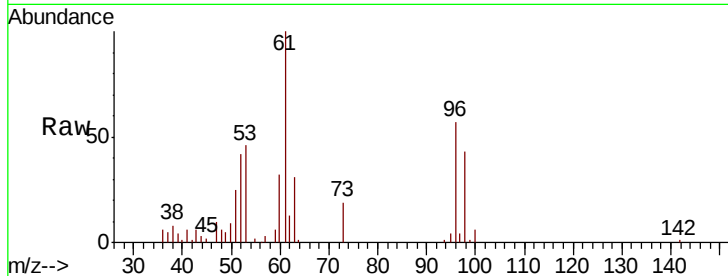
Tot Ion: 53 Resp: 104749

Ion Ratio Lower Upper

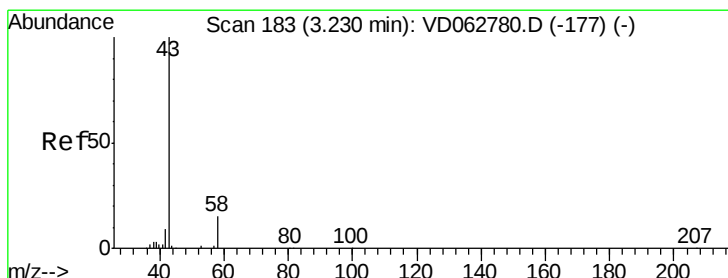
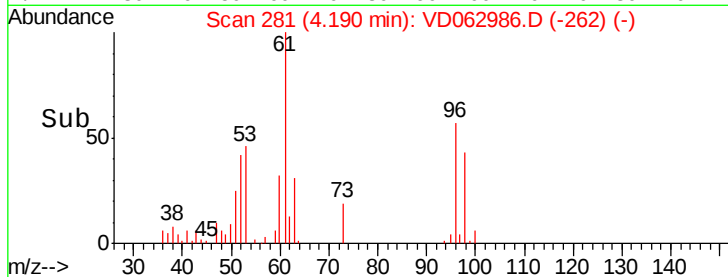
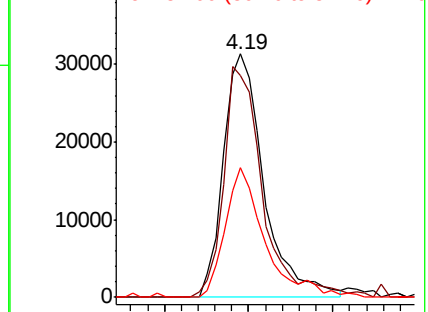
53 100

52 90.9 73.3 109.9

51 53.2 44.8 67.2



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



#16

Acetone

Concen: 88.801 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062986.D

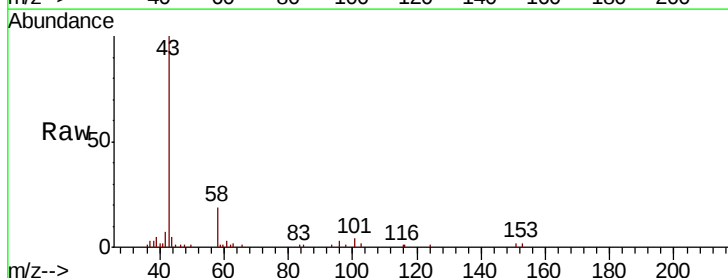
Acq: 1 Jul 2019 13:25

Tgt Ion: 43 Resp: 174211

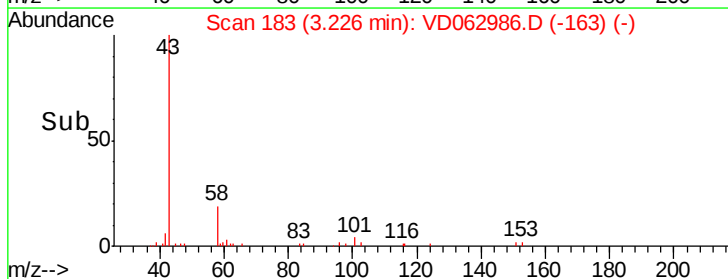
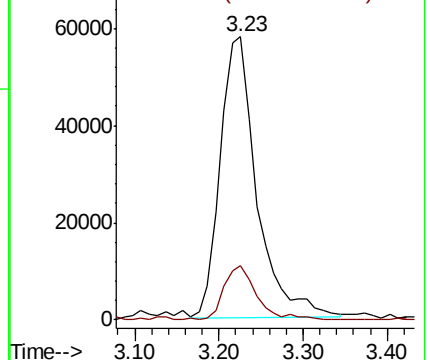
Ion Ratio Lower Upper

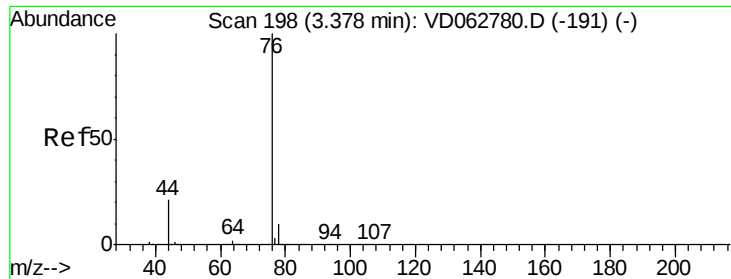
43 100

58 19.1 11.9 17.9#



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

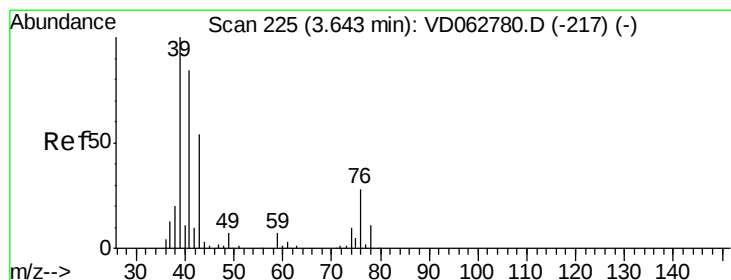
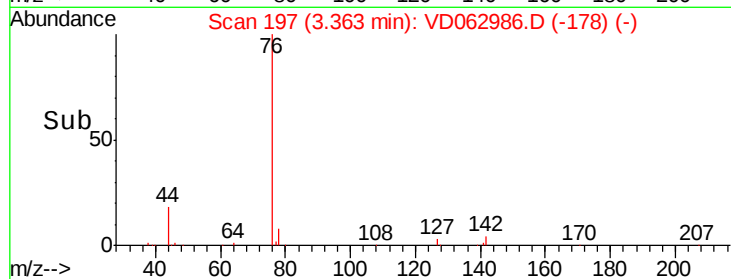
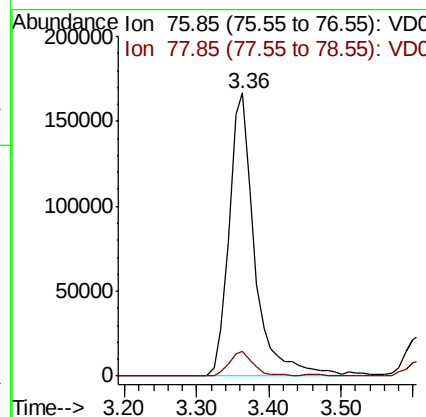
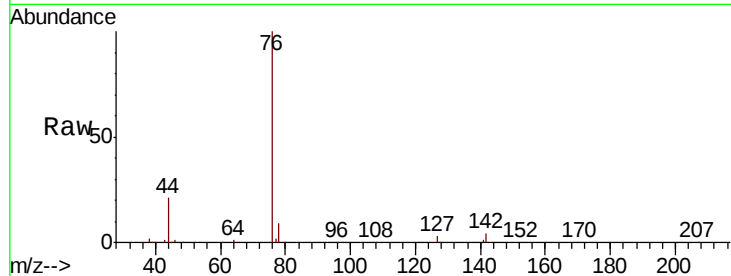




#17
Carbon Disulfide
Concen: 19.079 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

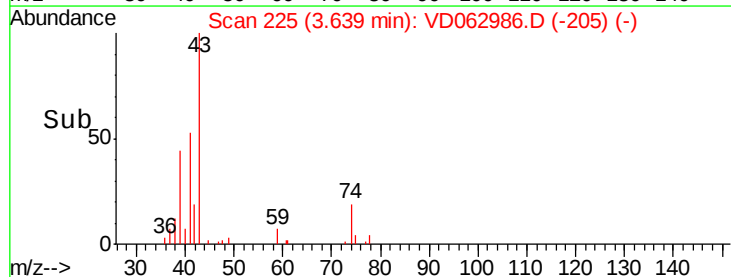
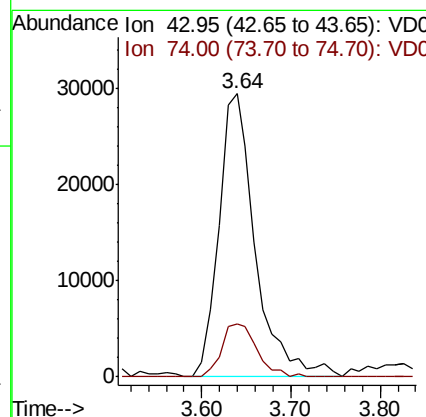
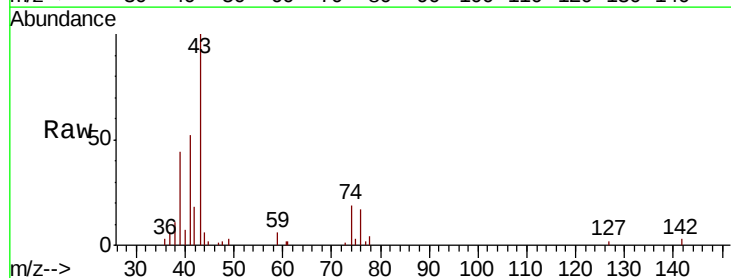
Instrument :
MSVOA_D
ClientSampleId :

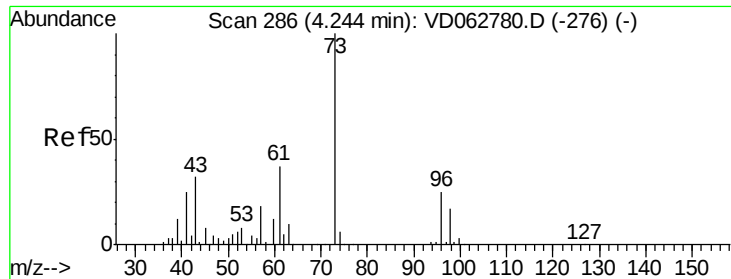
Tot Ion: 76 Resp: 409871
Ion Ratio Lower Upper
76 100
78 8.8 8.0 12.0



#18
Methyl Acetate
Concen: 30.321 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 43 Resp: 84267
Ion Ratio Lower Upper
43 100
74 18.5 15.2 22.8

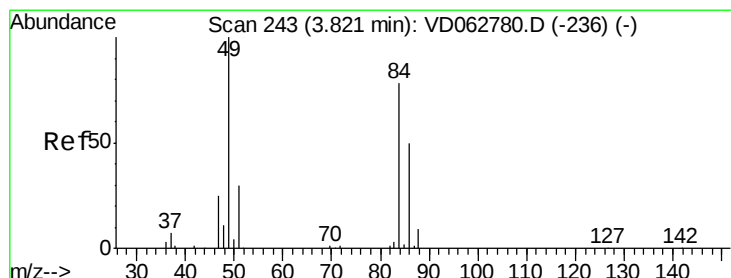
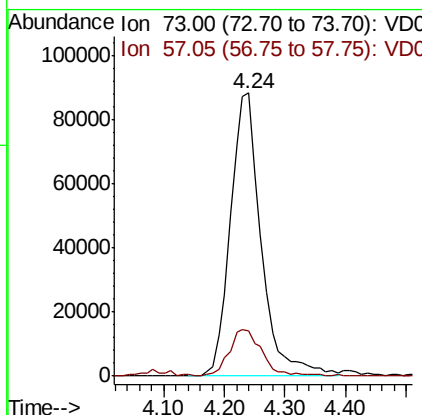
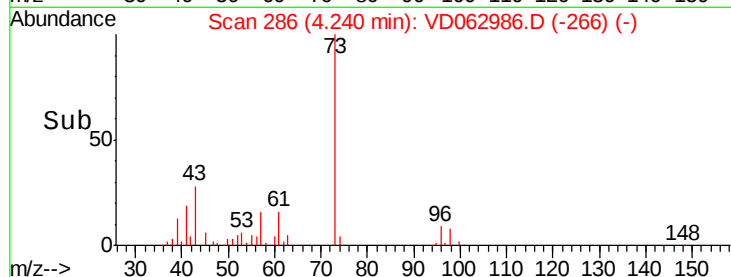
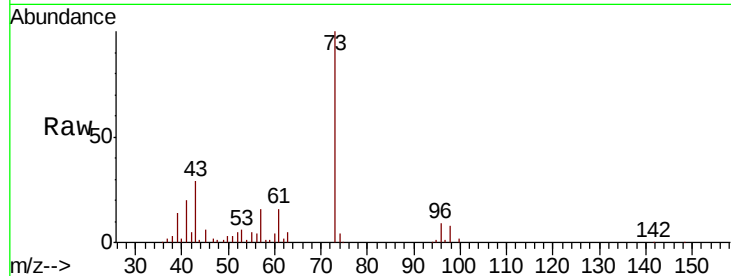




#19
Methyl tert-butyl Ether
Concen: 21.362 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

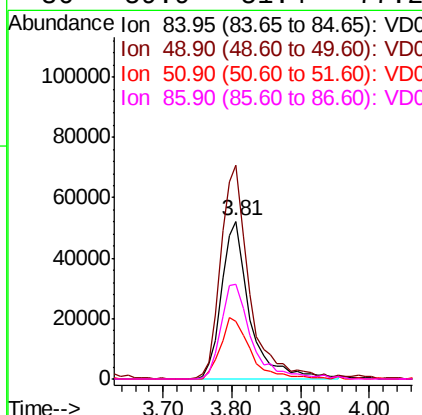
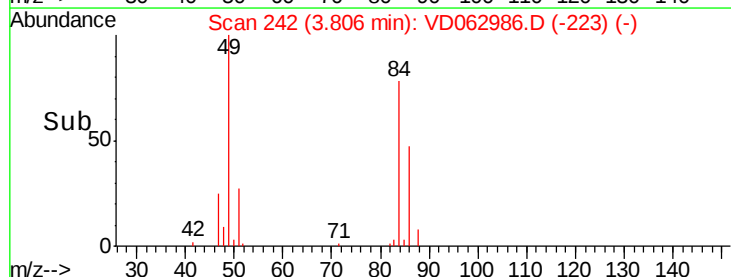
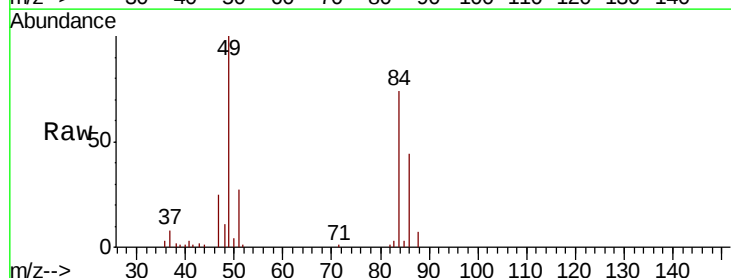
Instrument :
MSVOA_D
ClientSampleId :

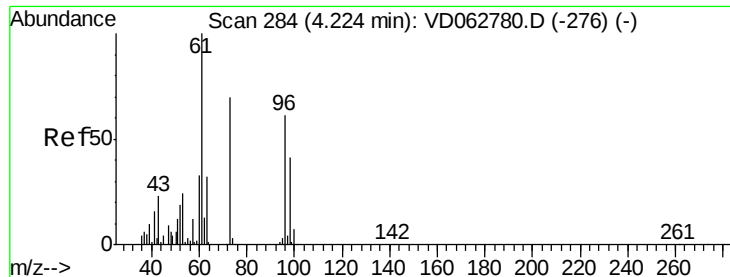
Tot Ion: 73 Resp: 310844
Ion Ratio Lower Upper
73 100
57 15.9 14.3 21.5



#20
Methylene Chloride
Concen: 21.166 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 84 Resp: 148611
Ion Ratio Lower Upper
84 100
49 135.4 102.9 154.3
51 36.4 31.2 46.8
86 59.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.398 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

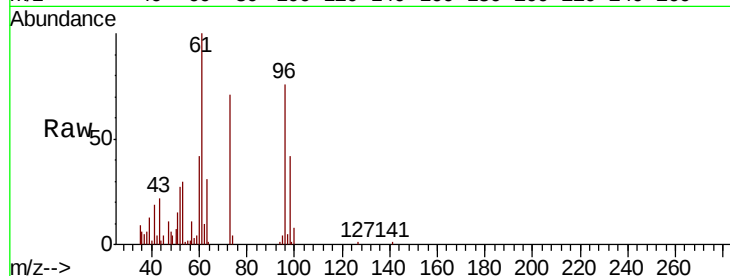
Tot Ion: 96 Resp: 145994

Ion Ratio Lower Upper

96 100

61 131.1 131.0 196.4

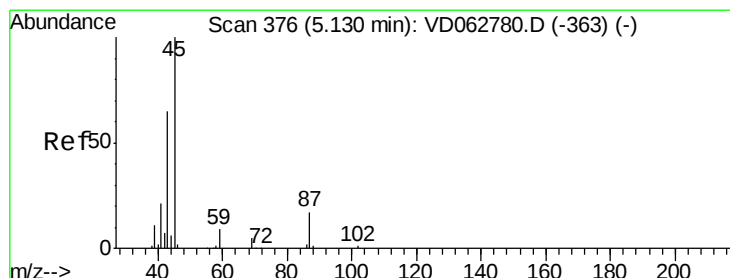
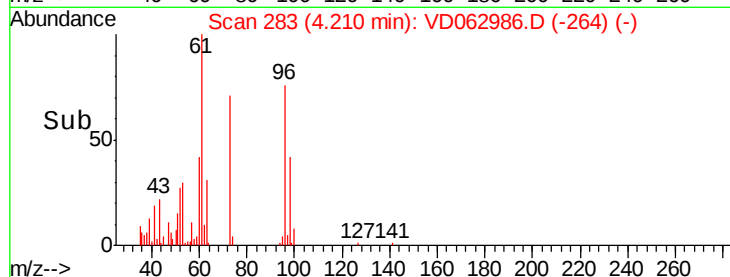
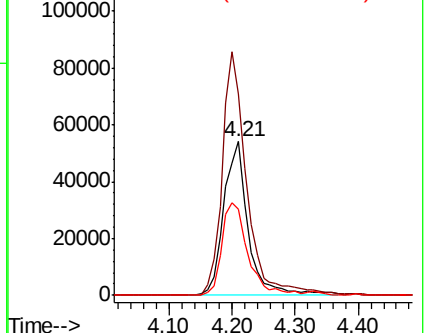
98 55.7 53.2 79.8



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: 21.624 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Tgt Ion: 45 Resp: 436767

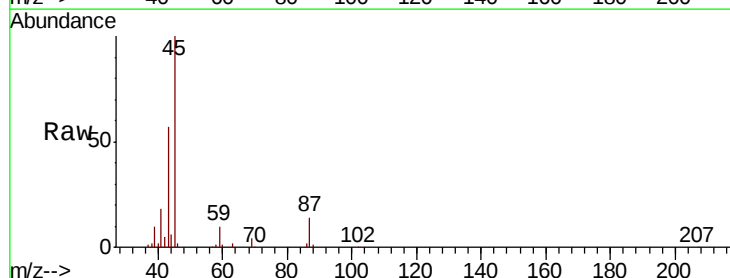
Ion Ratio Lower Upper

45 100

43 57.5 53.4 80.0

87 14.5 14.6 22.0#

59 10.2 7.8 11.8

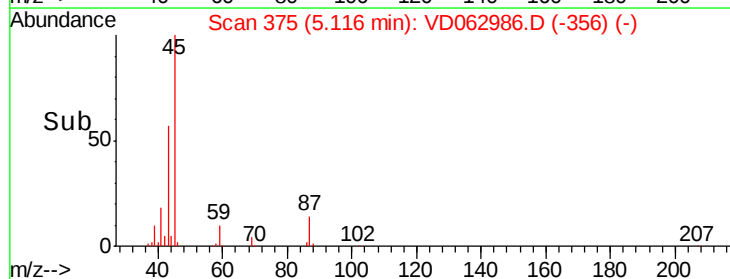
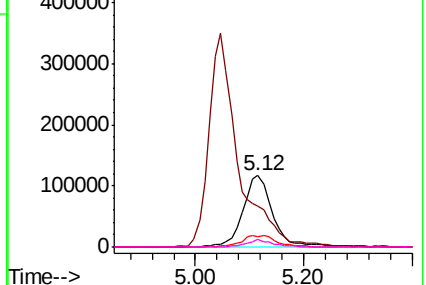


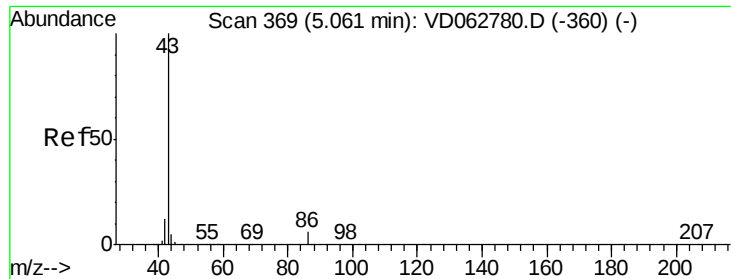
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.430 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

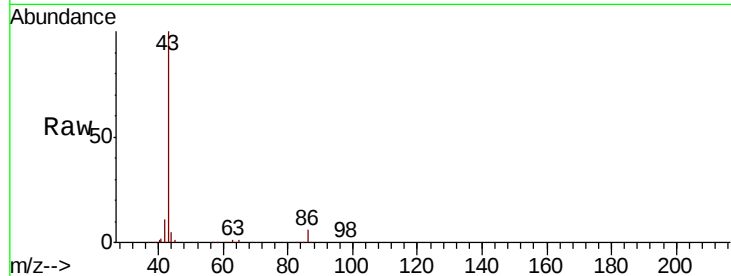
ClientSampleId :

Tot Ion: 43 Resp: 1307266

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

400000

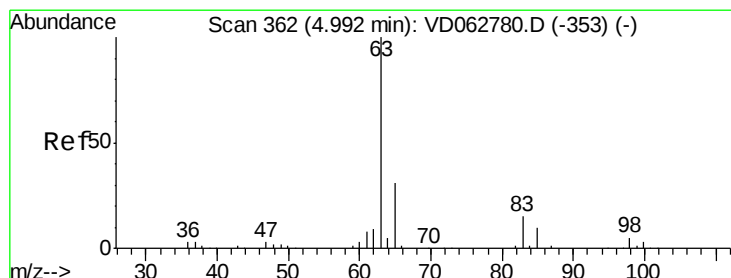
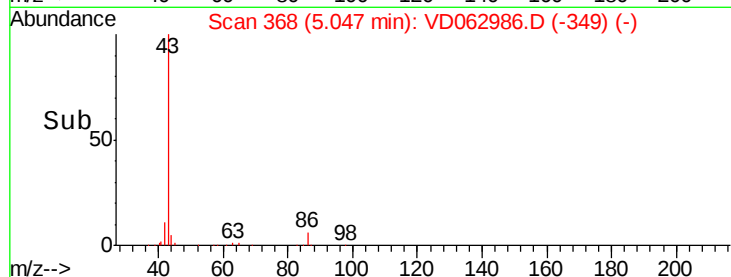
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.097 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.02 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

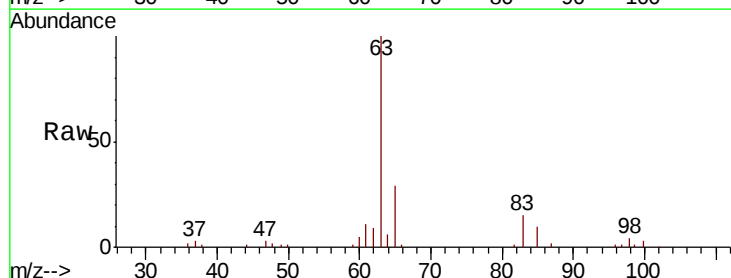
Tgt Ion: 63 Resp: 277446

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

100 2.6 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.97

100000

80000

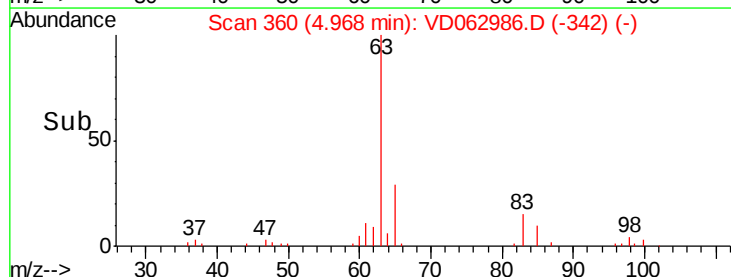
60000

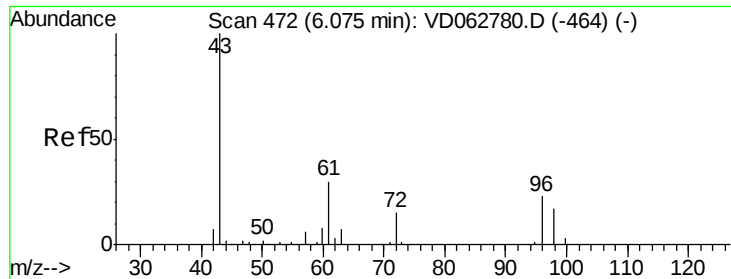
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.690 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

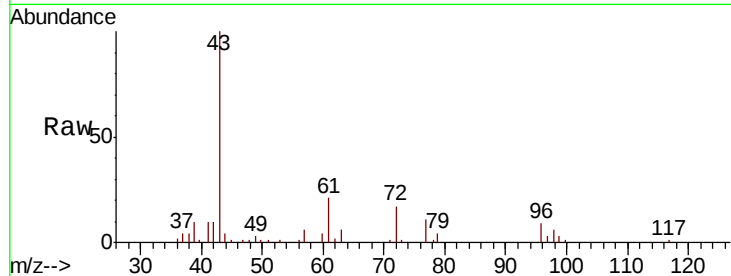
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 178542

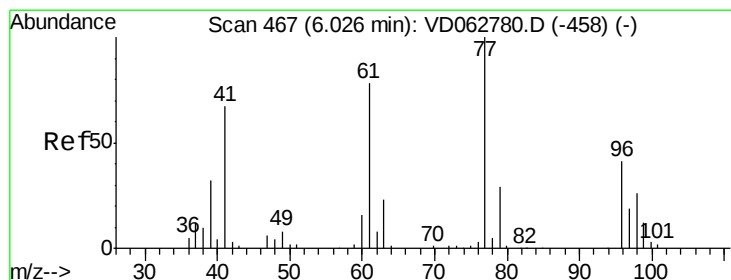
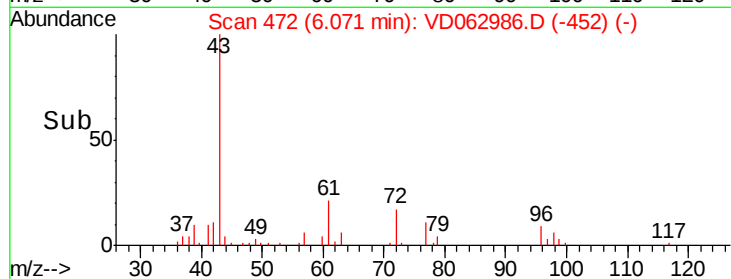
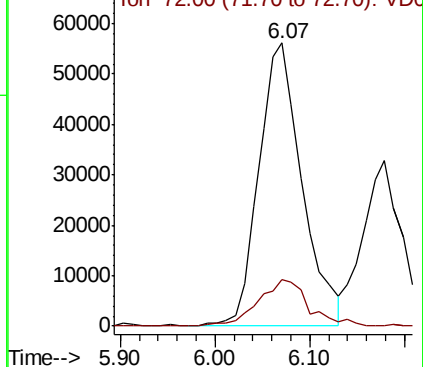
Ion Ratio Lower Upper

43 100

72 16.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.214 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD062986.D

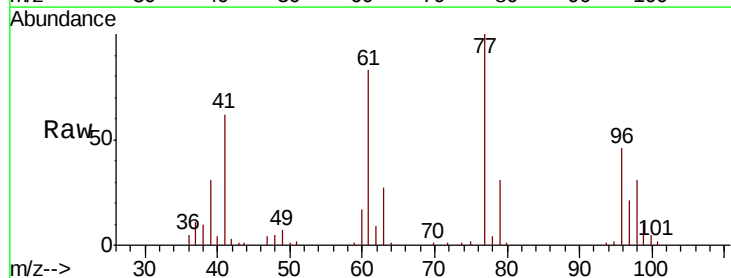
Acq: 1 Jul 2019 13:25

Tgt Ion: 77 Resp: 295708

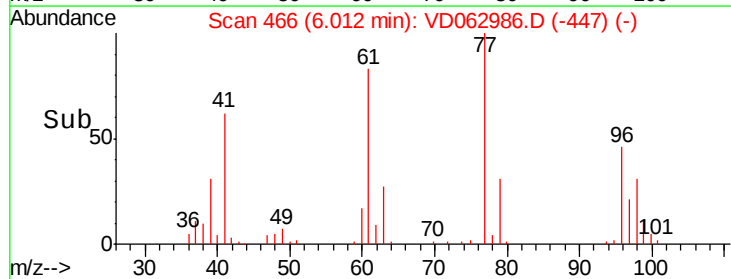
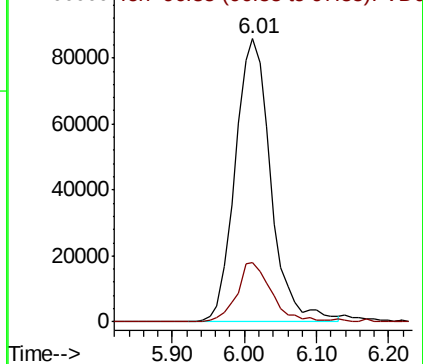
Ion Ratio Lower Upper

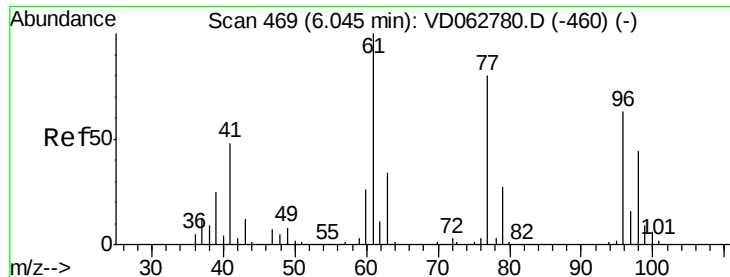
77 100

97 20.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



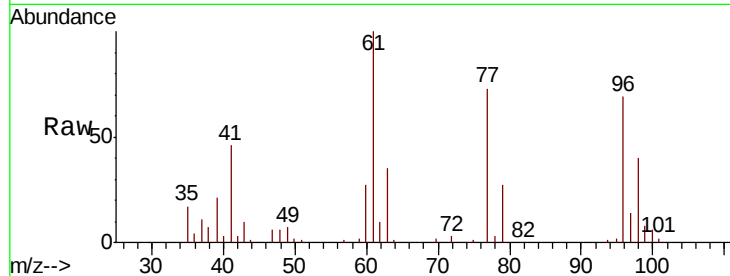


#27

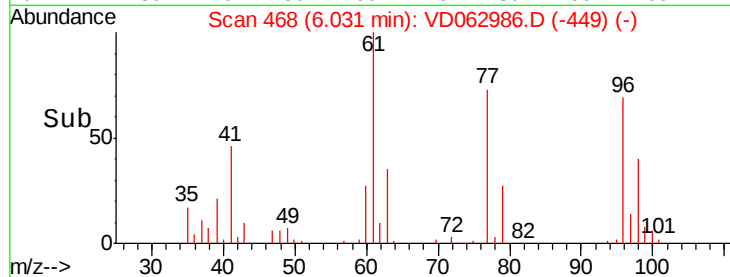
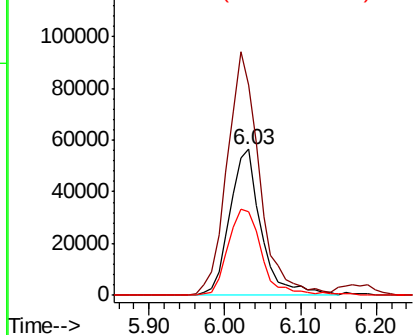
cis-1,2-Dichloroethene
Concen: 21.301 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 161220
Ion Ratio Lower Upper
96 100
61 143.9 0.0 316.0
98 57.1 0.0 138.4



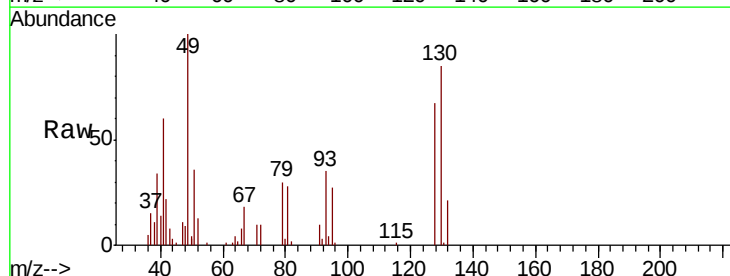
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



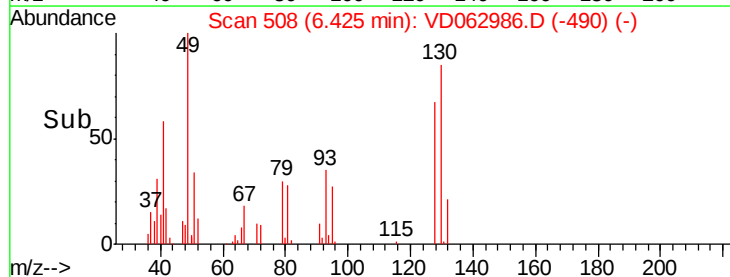
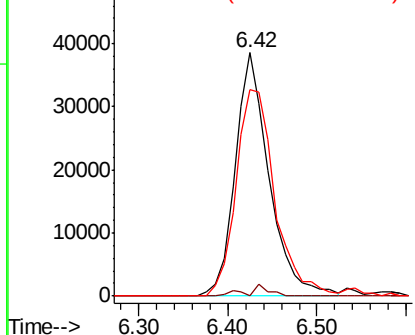
#28

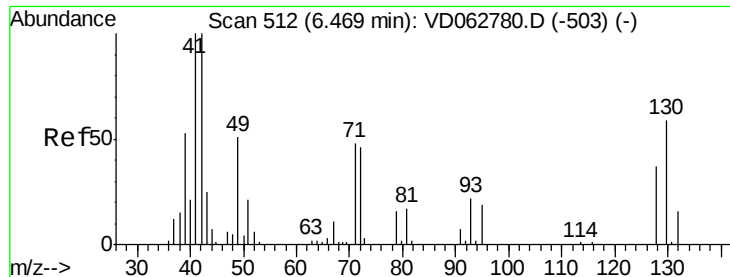
Bromochloromethane
Concen: 22.018 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 49 Resp: 101981
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 84.9 76.6 114.8



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

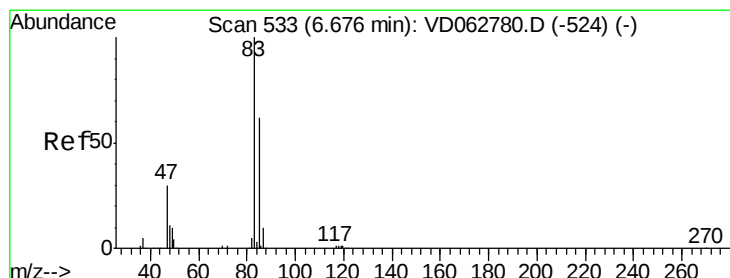
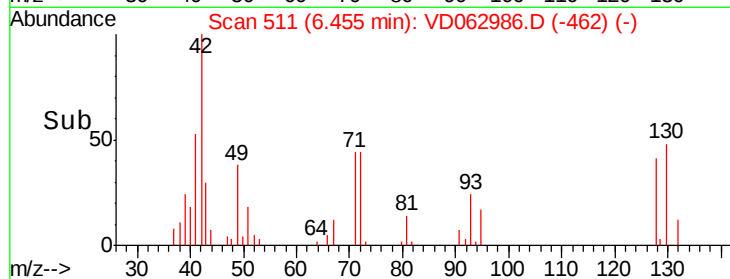
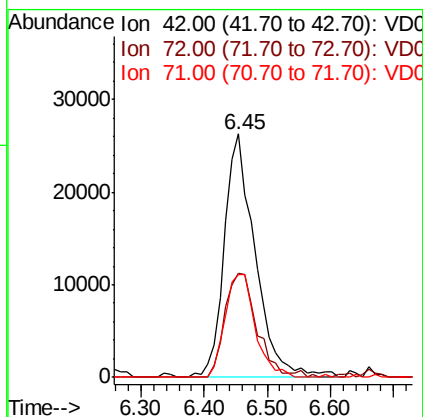
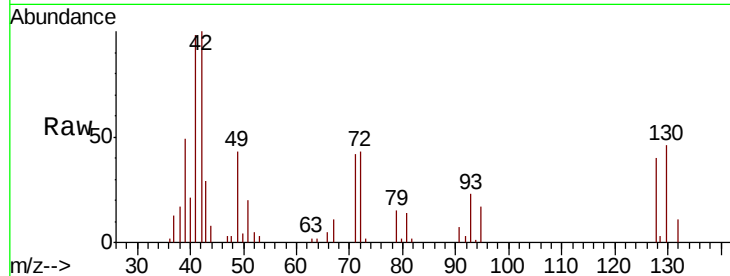




#29
Tetrahydrofuran
Concen: 109.764 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

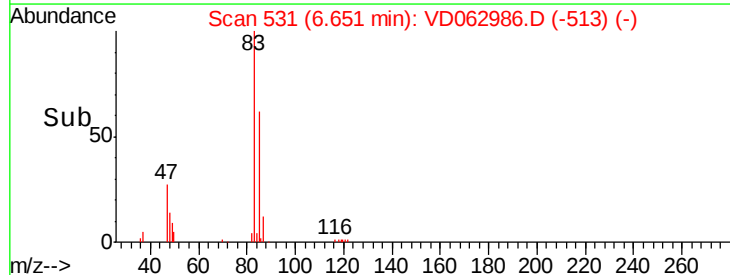
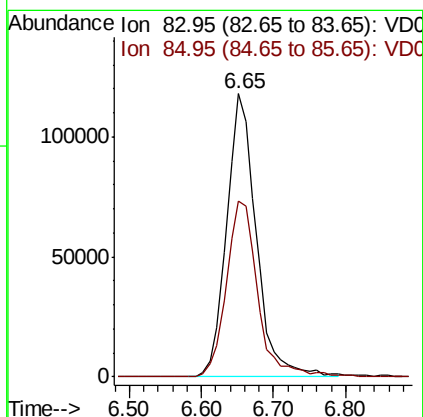
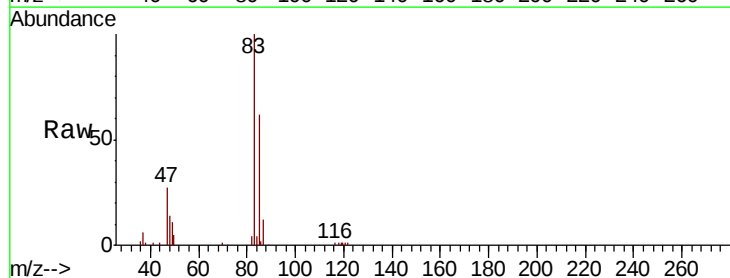
Instrument :
MSVOA_D
ClientSampleId :

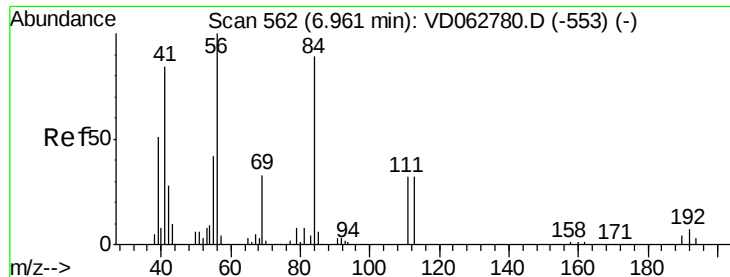
Tot Ion: 42 Resp: 89423
Ion Ratio Lower Upper
42 100
72 43.5 35.0 52.6
71 41.1 33.3 49.9



#30
Chloroform
Concen: 21.055 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 83 Resp: 336744
Ion Ratio Lower Upper
83 100
85 62.0 49.8 74.6

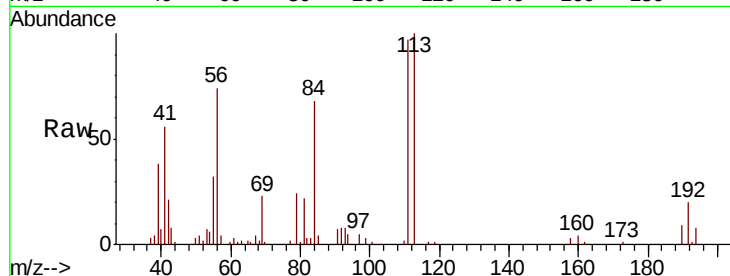




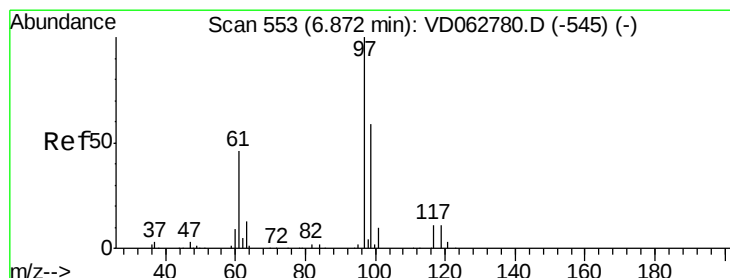
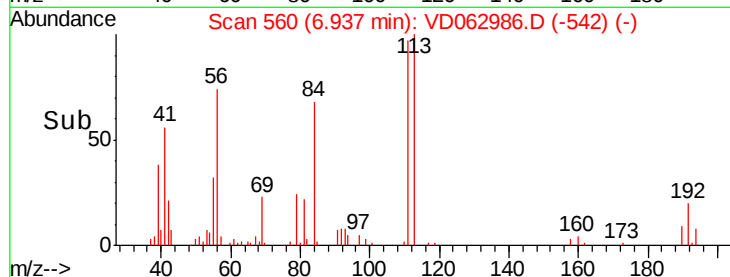
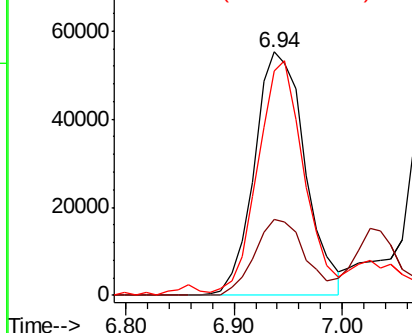
#31
Cyclohexane
Concen: 20.767 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 179542
Ion Ratio Lower Upper
56 100
69 31.3 26.6 39.8
84 92.2 75.5 113.3

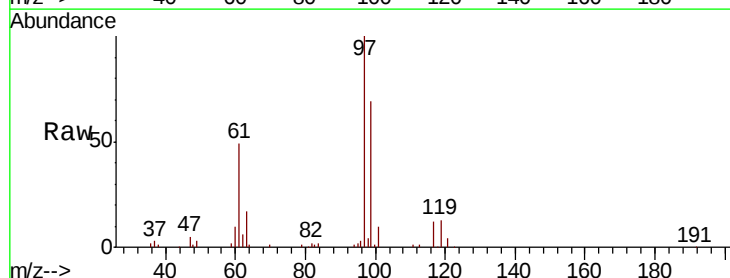


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

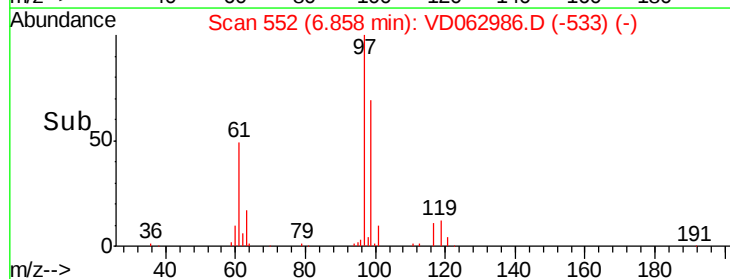
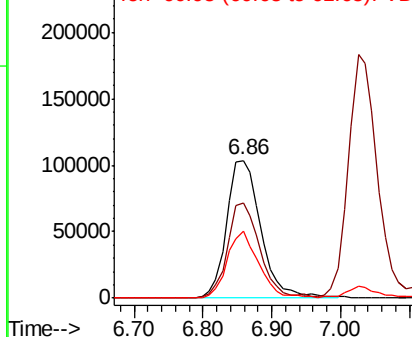


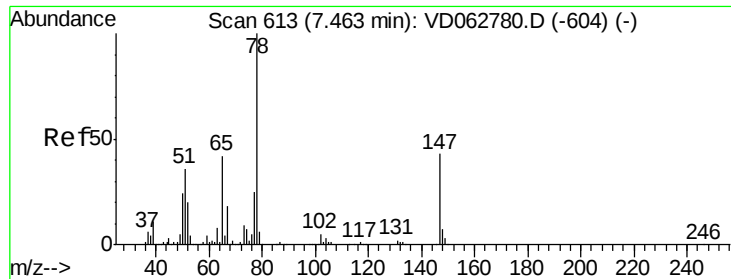
#32
1,1,1-Trichloroethane
Concen: 21.357 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 97 Resp: 355773
Ion Ratio Lower Upper
97 100
99 69.2 47.4 71.2
61 48.8 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: 47.456 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

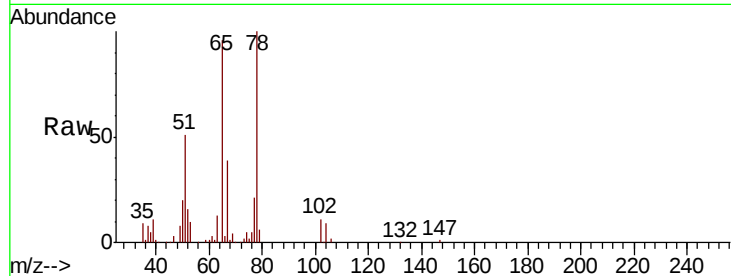
ClientSampleId :

Tot Ion: 65 Resp: 436901

Ion Ratio Lower Upper

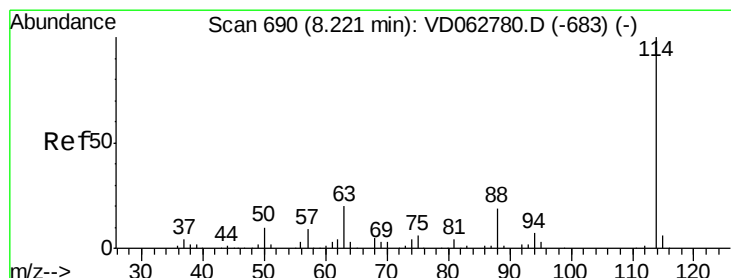
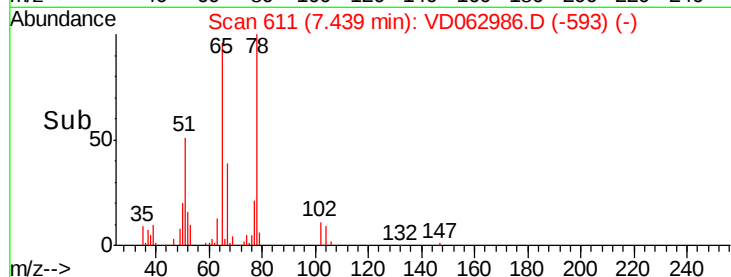
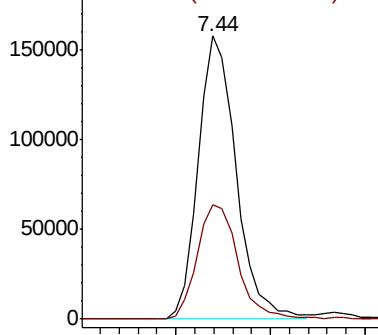
65 100

67 40.5 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

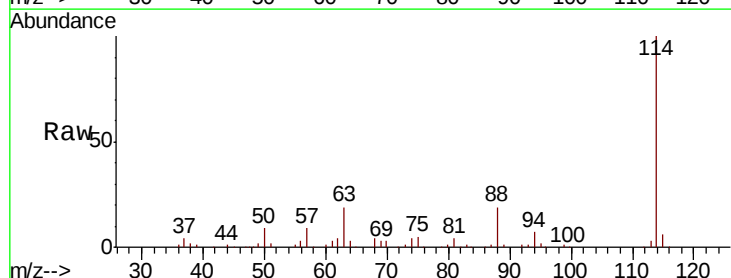
Tgt Ion: 114 Resp: 1054726

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

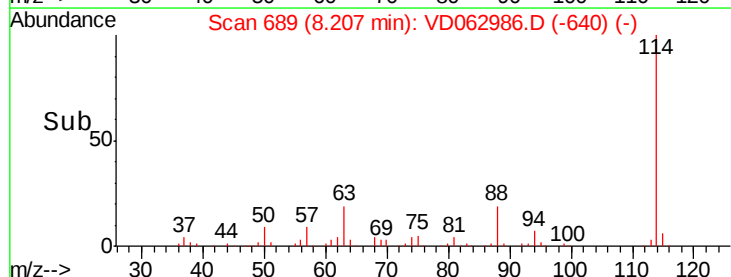
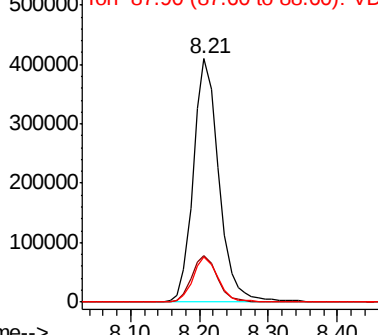
88 18.5 0.0 38.8

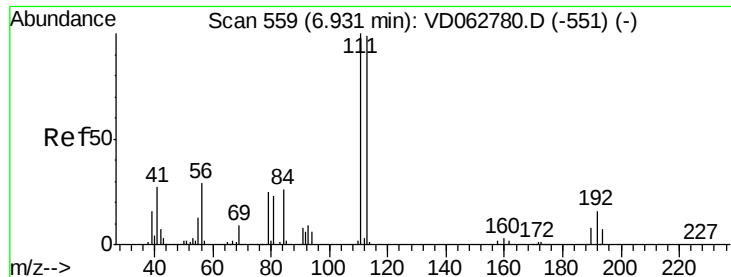


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

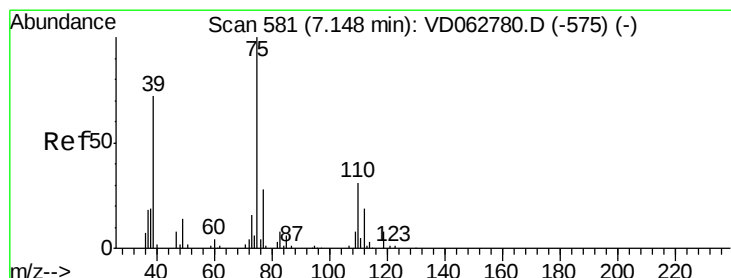
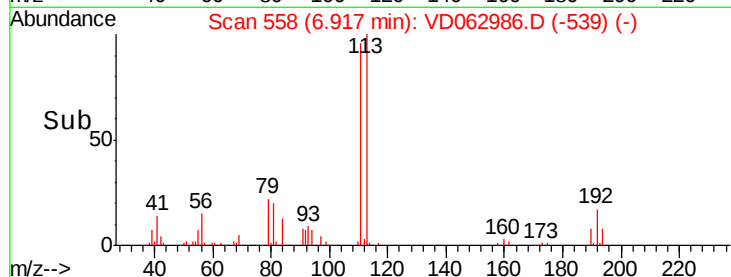
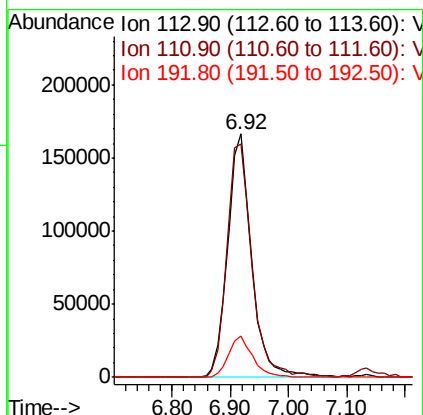
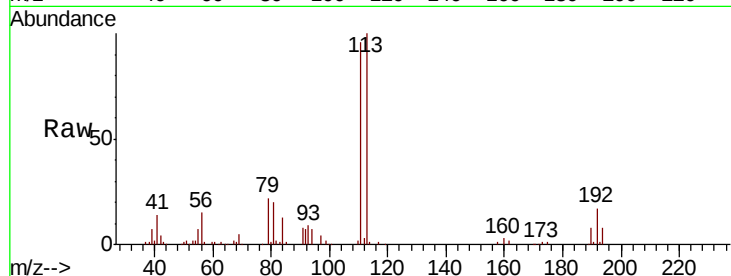




#35
 Dibromofluoromethane
 Concen: 53.648 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

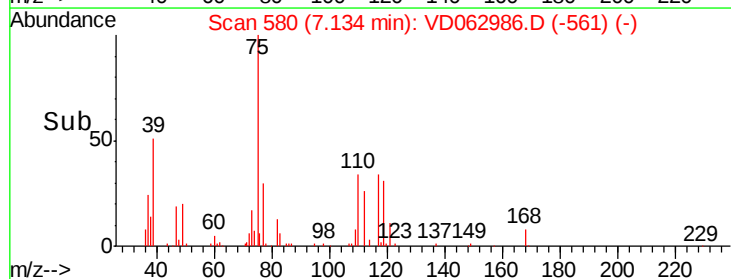
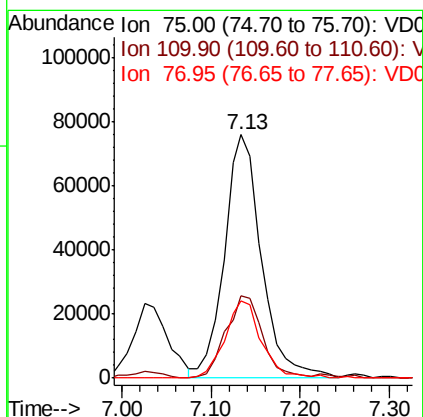
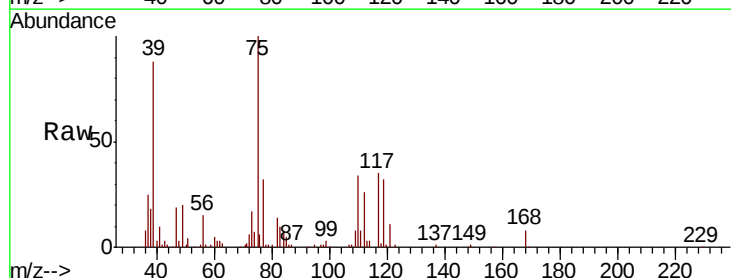
Instrument :
 MSVOA_D
 ClientSampleId :

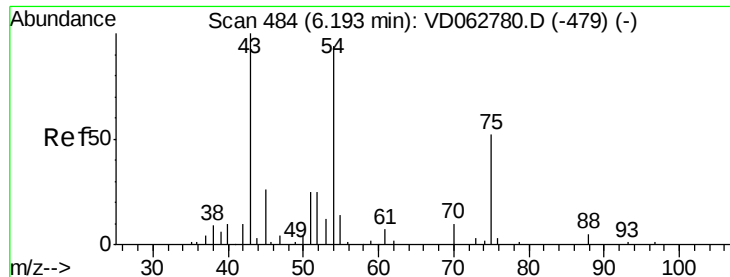
Tot Ion:113 Resp: 477112
 Ion Ratio Lower Upper
 113 100
 111 95.6 81.2 121.8
 192 16.7 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 21.909 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion: 75 Resp: 218752
 Ion Ratio Lower Upper
 75 100
 110 33.6 15.0 45.1
 77 31.6 22.2 33.2

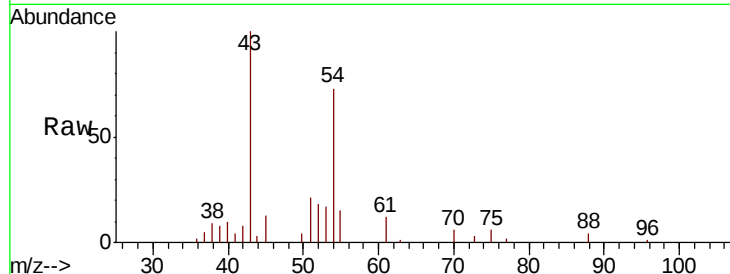




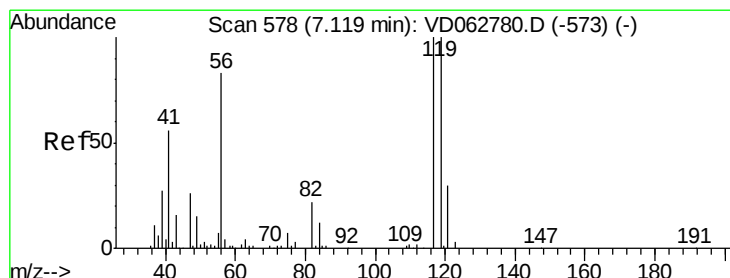
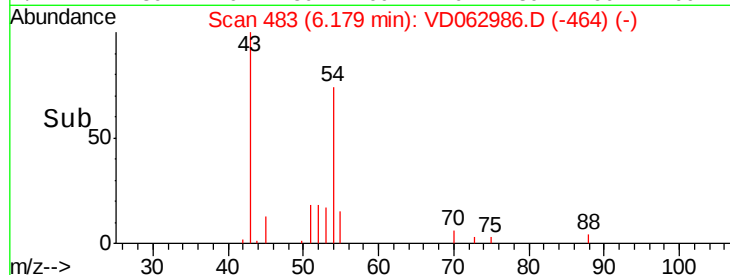
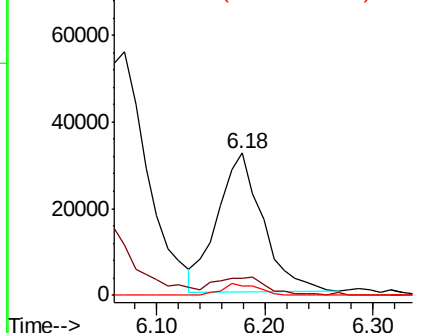
#37
Ethyl Acetate
Concen: 21.451 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 92606
Ion Ratio Lower Upper
43 100
61 11.6 11.6 17.4
70 6.2 6.4 9.6#

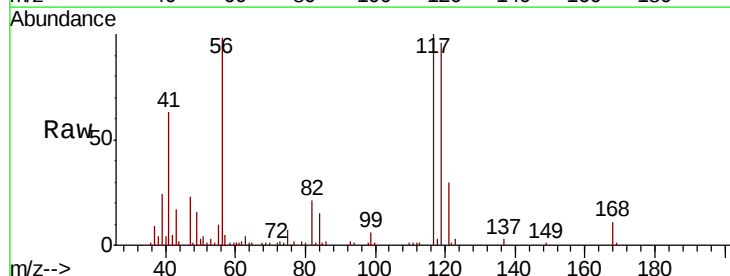


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

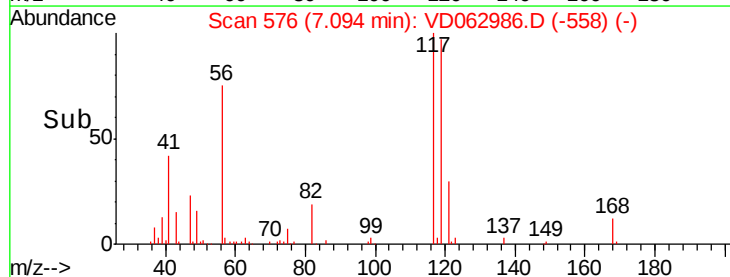
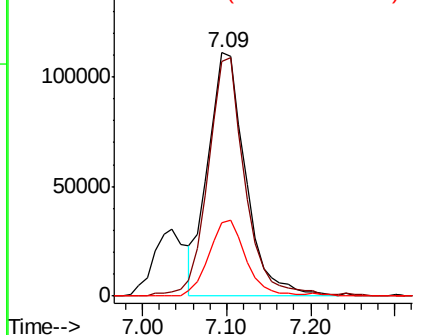


#38
Carbon Tetrachloride
Concen: 22.865 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 117 Resp: 343347
Ion Ratio Lower Upper
117 100
119 96.3 75.4 113.2
121 30.0 22.3 33.5



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





#39

Methvlcvclohexane

Concen: 23.790 ug/l

RT: 8.86 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

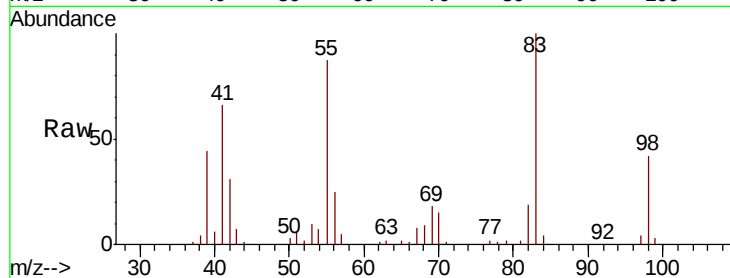
Tot Ion: 83 Resp: 209085

Ion Ratio Lower Upper

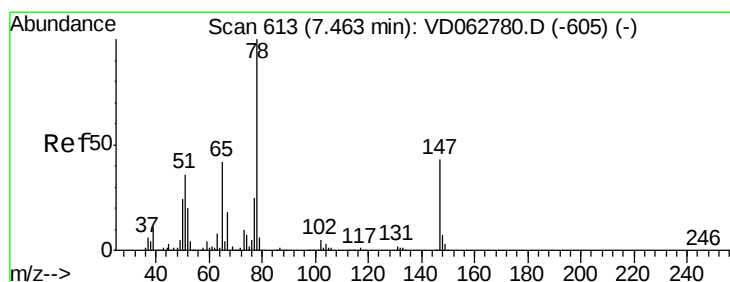
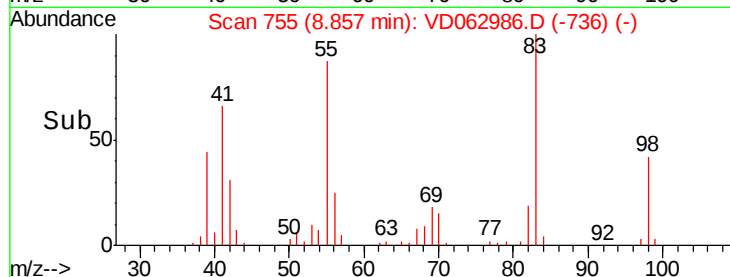
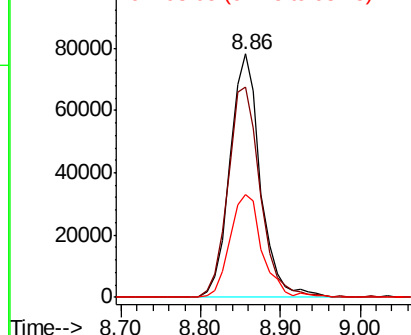
83 100

55 86.5 76.6 115.0

98 42.0 35.7 53.5



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



#40

Benzene

Concen: 21.965 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062986.D

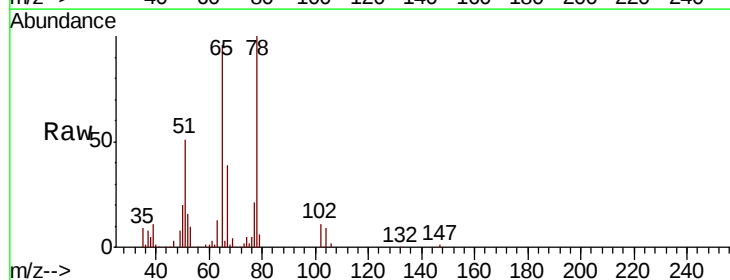
Acq: 1 Jul 2019 13:25

Tgt Ion: 78 Resp: 440219

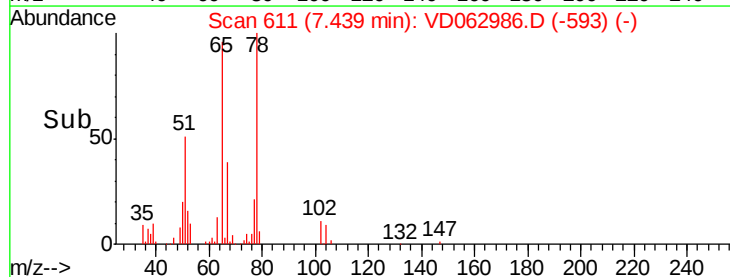
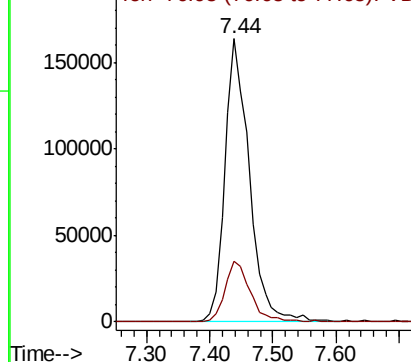
Ion Ratio Lower Upper

78 100

77 21.3 20.2 30.2



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





#41

Methacrylonitrile

Concen: 23.047 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

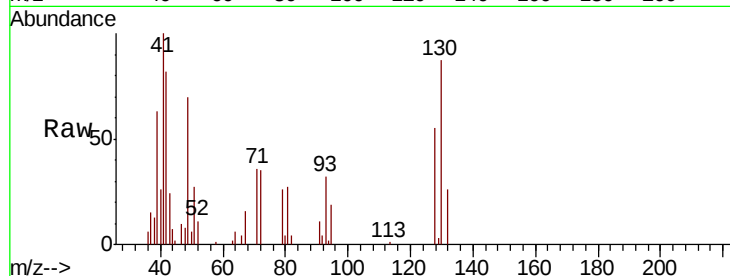
Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

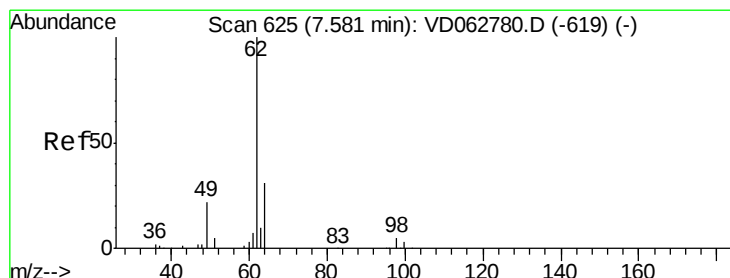
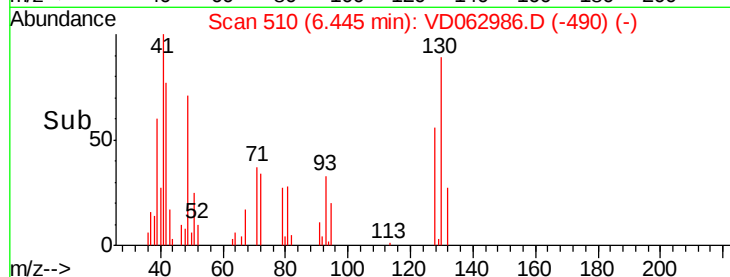
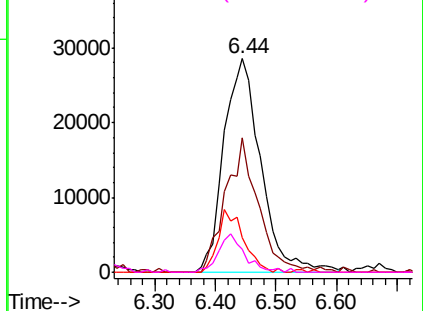
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 121353

Ion	Ratio	Lower	Upper
41	100		
39	62.7	43.2	64.8
67	16.4	19.9	29.9#
52	11.0	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: 23.193 ug/l

RT: 7.57 min Scan# 624

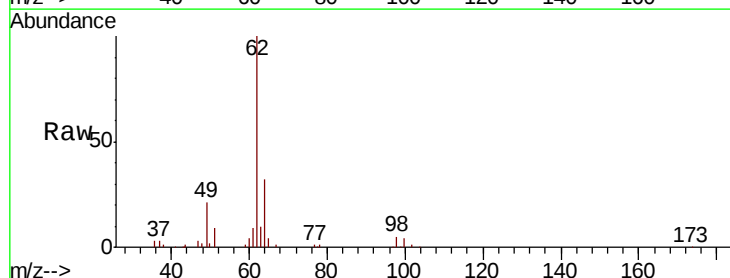
Delta R.T. -0.01 min

Lab File: VD062986.D

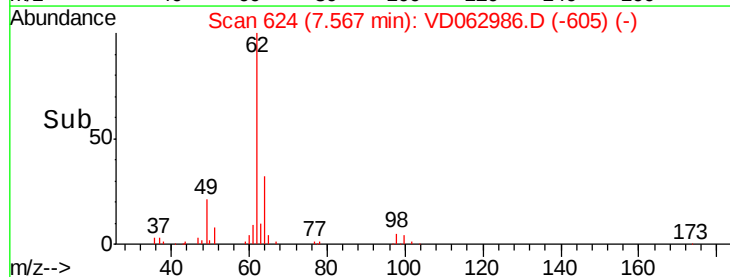
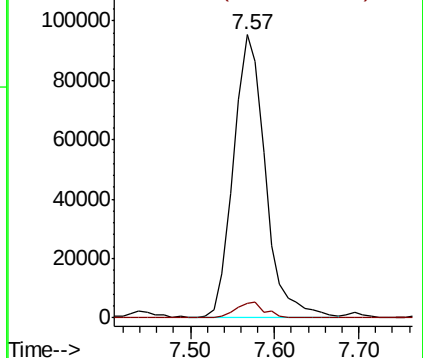
Acq: 1 Jul 2019 13:25

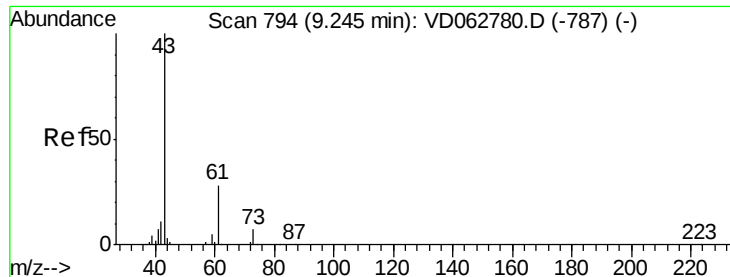
Tgt Ion: 62 Resp: 253577

Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.0



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



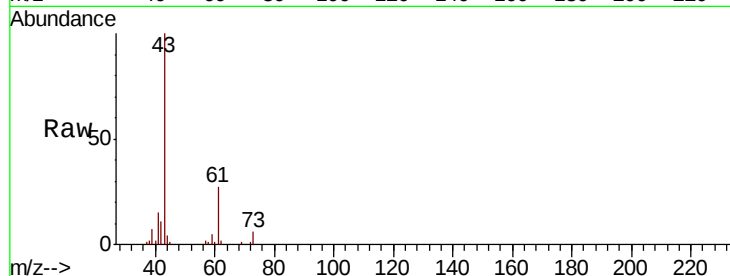


#43

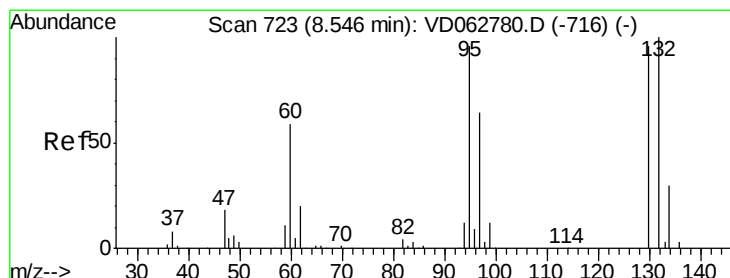
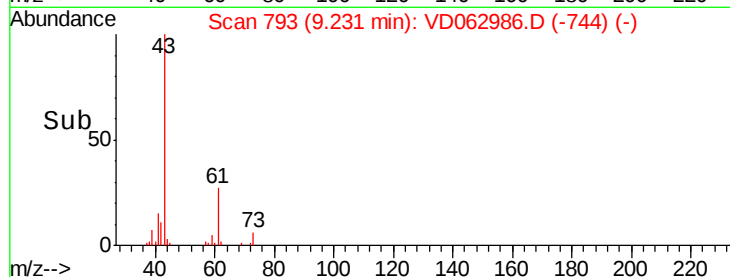
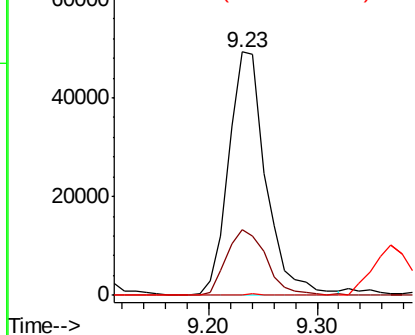
Isopropyl Acetate
 Concen: 22.606 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 118333
 Ion Ratio Lower Upper
 43 100
 61 27.1 22.4 33.6
 87 0.0 0.3 0.5#



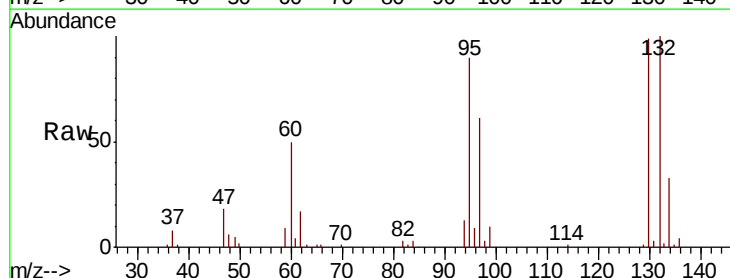
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



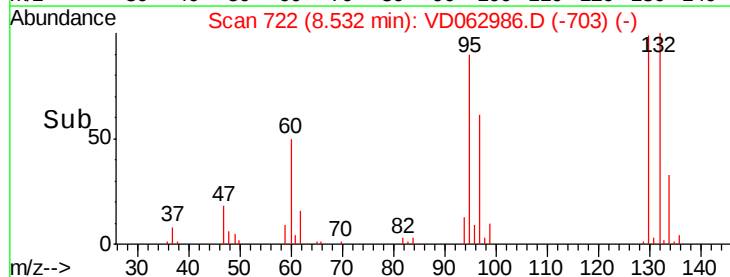
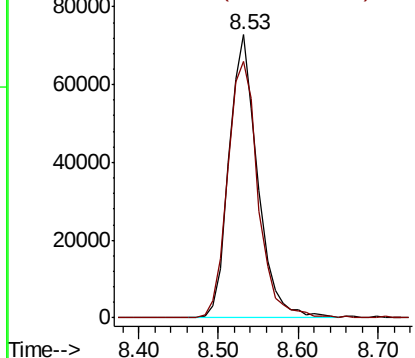
#44

Trichloroethene
 Concen: 23.236 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion:130 Resp: 182569
 Ion Ratio Lower Upper
 130 100
 95 90.5 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: 22.476 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

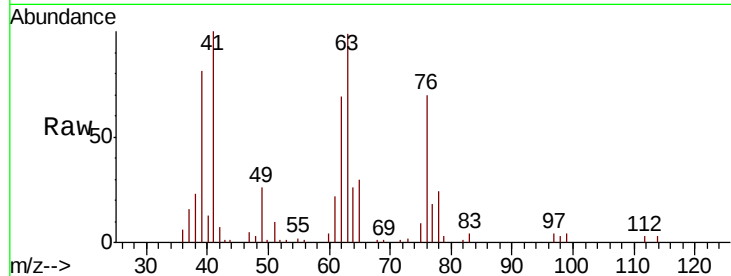
ClientSampleId :

Tot Ion: 63 Resp: 112012

Ion Ratio Lower Upper

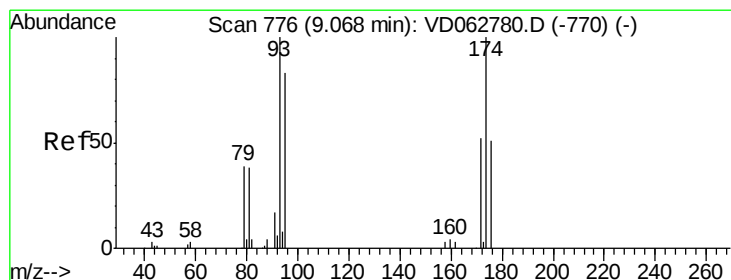
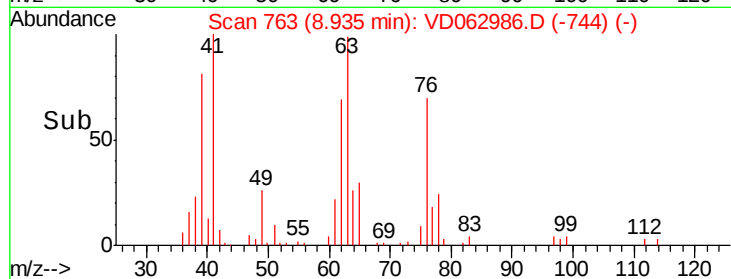
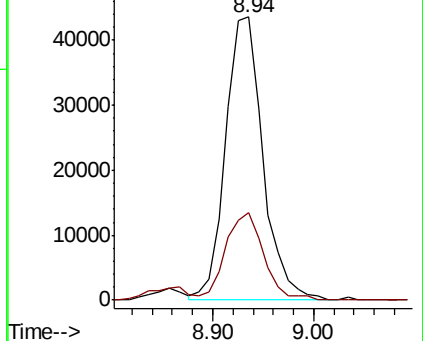
63 100

65 30.7 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.378 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

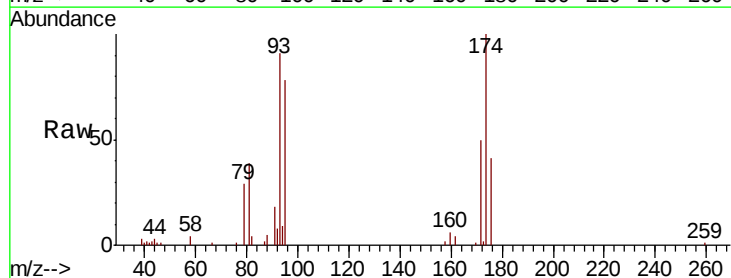
Tgt Ion: 93 Resp: 95799

Ion Ratio Lower Upper

93 100

95 85.7 66.6 100.0

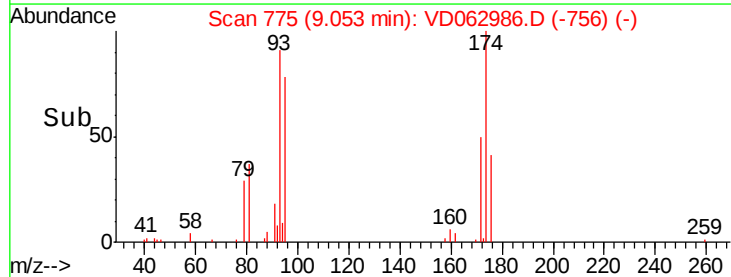
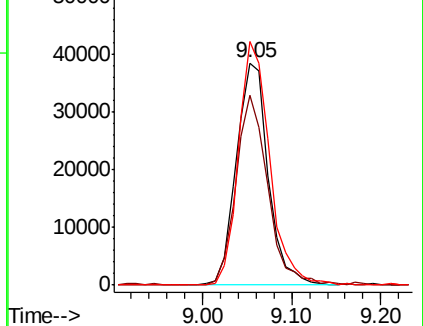
174 109.6 79.7 119.5

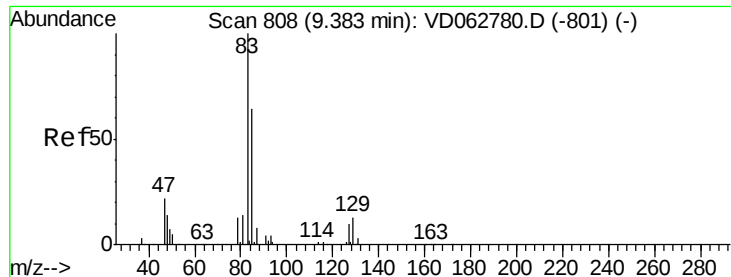


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.508 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampled :

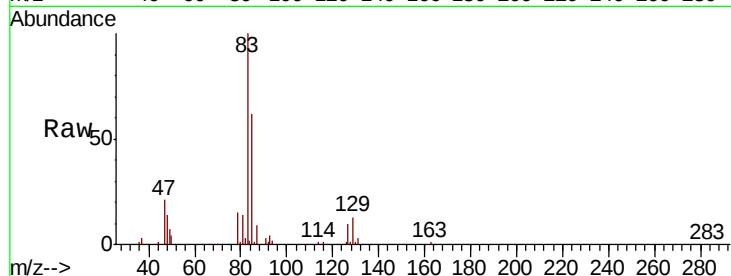
Tot Ion: 83 Resp: 250241

Ion Ratio Lower Upper

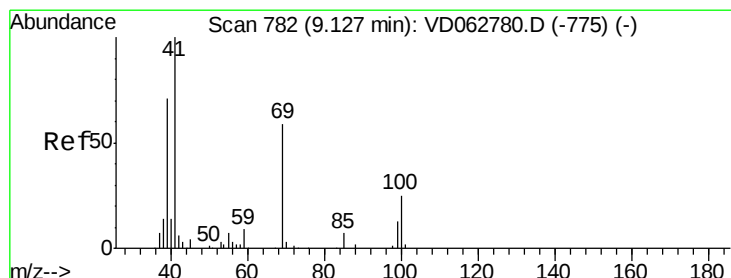
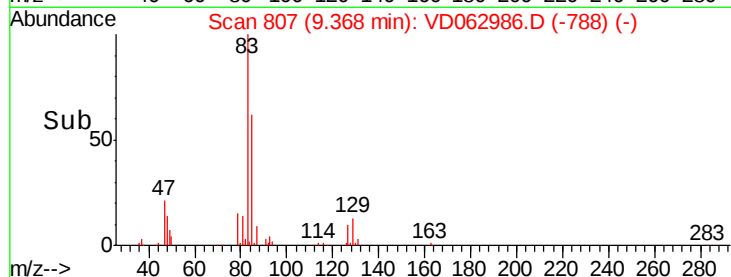
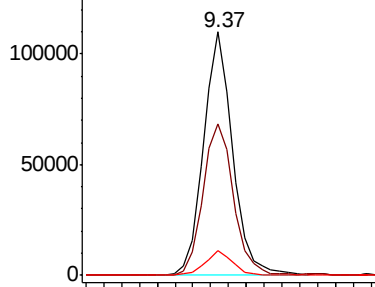
83 100

85 62.2 51.6 77.4

127 10.2 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: 23.681 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

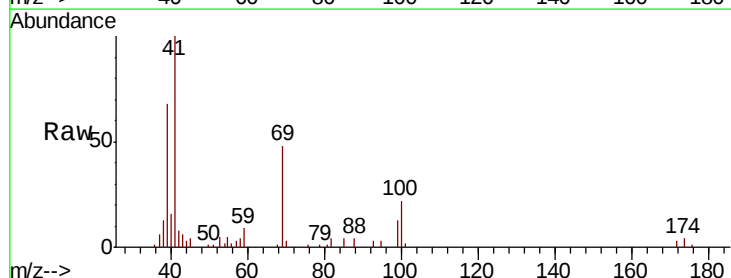
Tgt Ion: 41 Resp: 88088

Ion Ratio Lower Upper

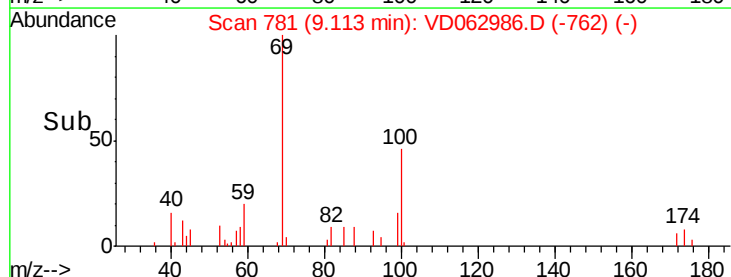
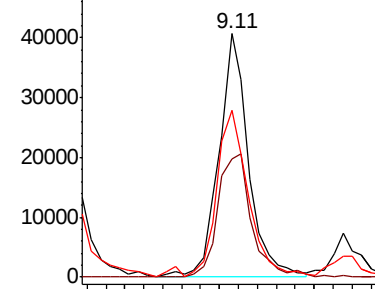
41 100

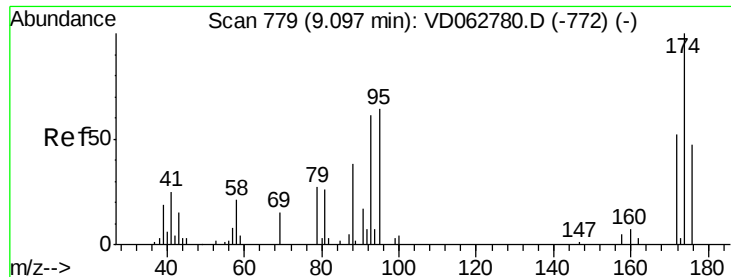
69 48.4 47.2 70.8

39 68.3 57.4 86.2



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

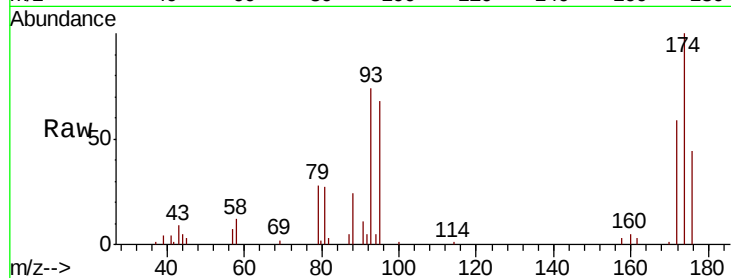




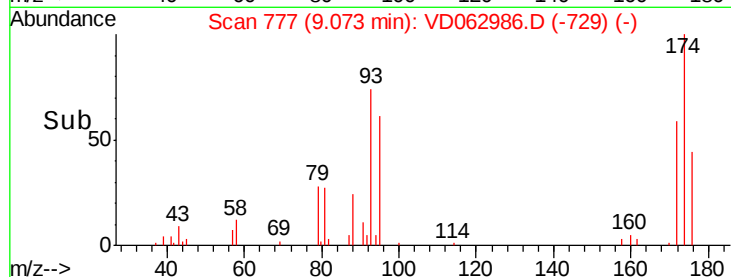
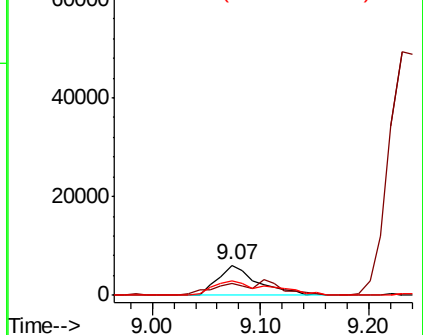
#49
1,4-Dioxane
Concen: 491.962 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 15225
Ion Ratio Lower Upper
88 100
43 38.5 32.1 48.1
58 50.5 44.1 66.1

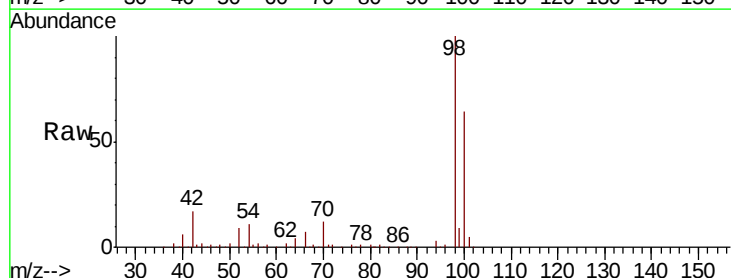


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

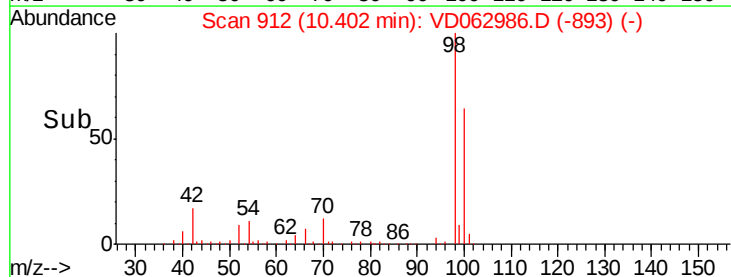
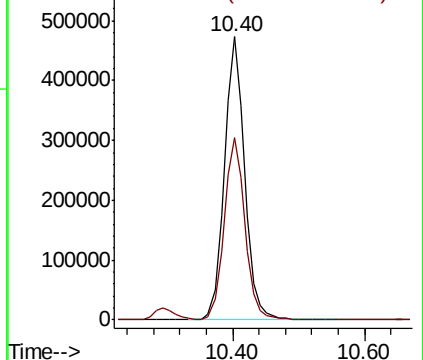


#50
Toluene-d8
Concen: 52.597 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 98 Resp: 1018077
Ion Ratio Lower Upper
98 100
100 64.5 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: 114.235 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

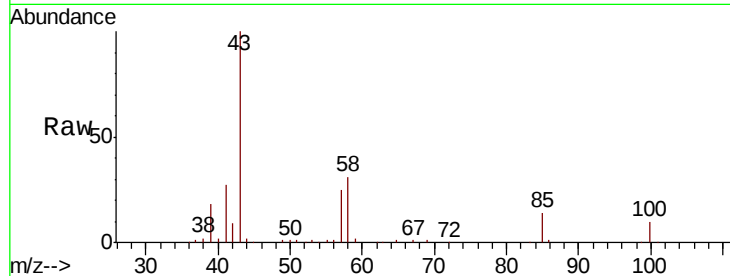
ClientSampleId :

Tot Ion: 43 Resp: 423954

Ion Ratio Lower Upper

43 100

58 31.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

200000

150000

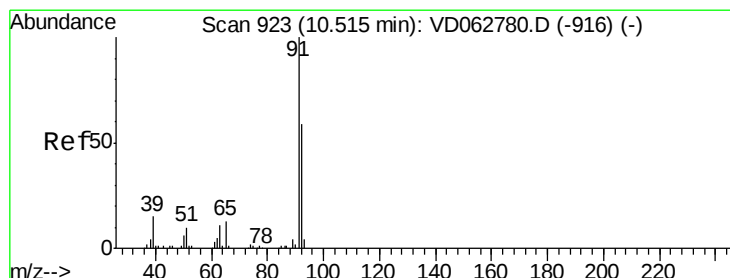
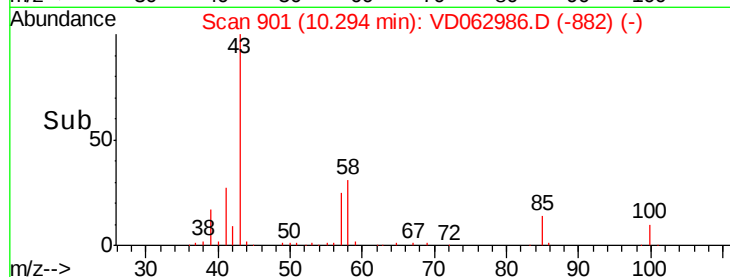
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 22.193 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062986.D

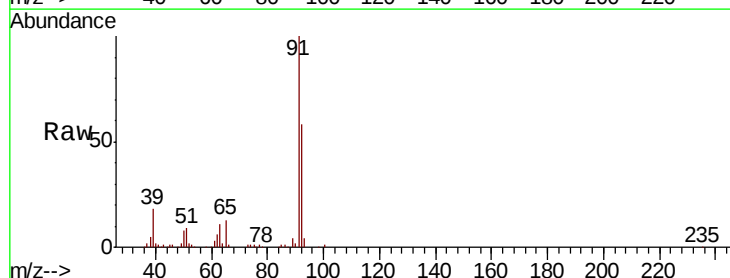
Acq: 1 Jul 2019 13:25

Tgt Ion: 92 Resp: 298985

Ion Ratio Lower Upper

92 100

91 172.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

250000

200000

150000

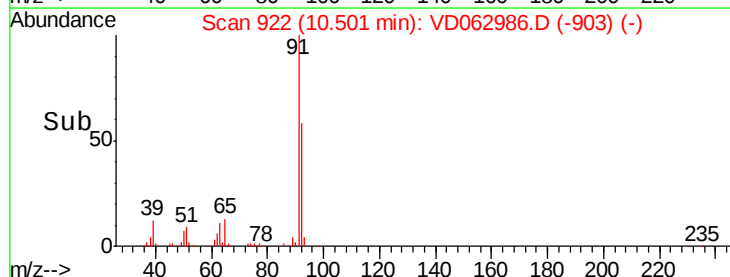
100000

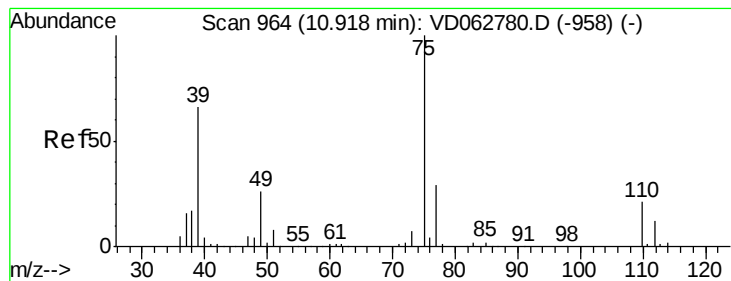
50000

0

Time-->

10.40 10.50 10.60 10.70





#53

t-1,3-Dichloropropene

Concen: 22.340 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

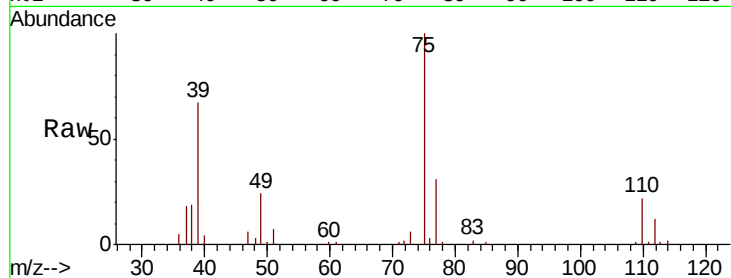
ClientSampleId :

Tot Ion: 75 Resp: 203293

Ion Ratio Lower Upper

75 100

77 31.2 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

120000

100000

80000

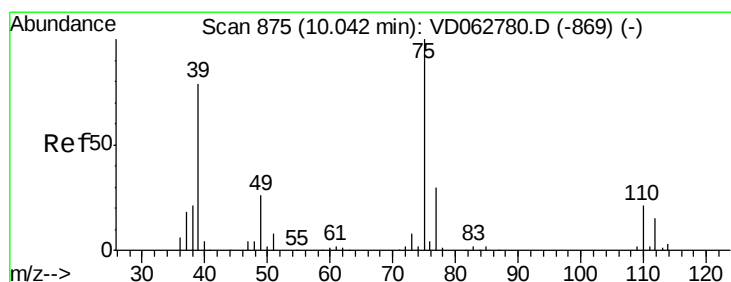
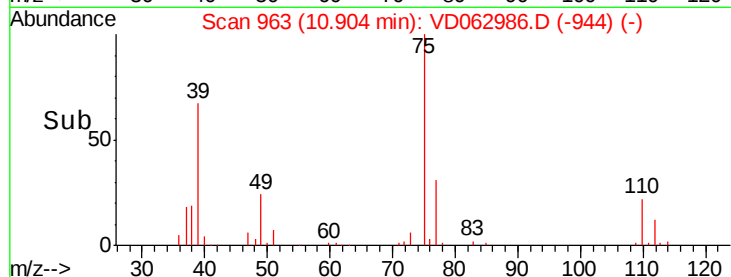
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.360 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

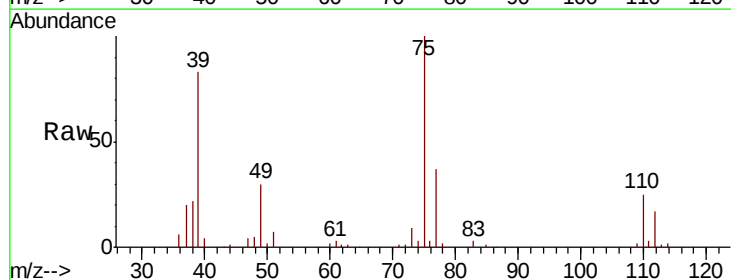
Tgt Ion: 75 Resp: 221158

Ion Ratio Lower Upper

75 100

77 36.9 24.2 36.2#

39 83.4 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

10.03

120000

100000

80000

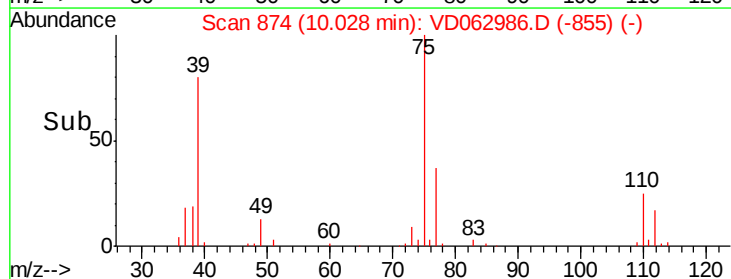
60000

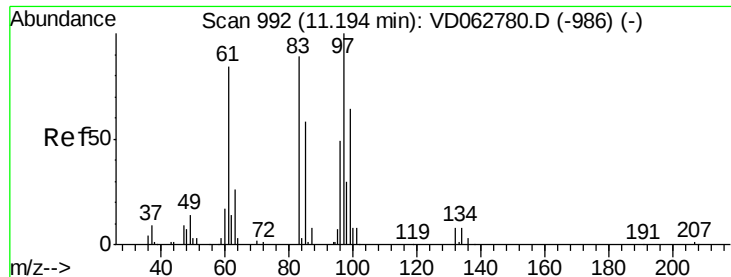
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.581 ug/l

RT: 11.18 min Scan# 991

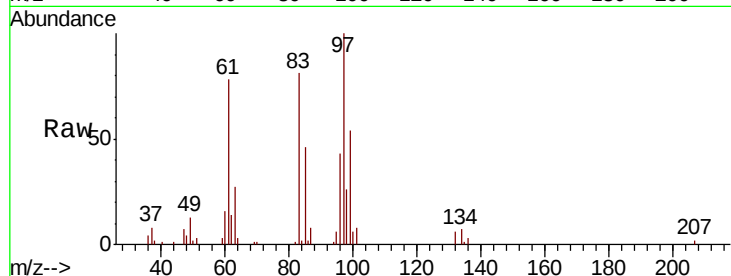
Delta R.T. -0.01 min

Lab File: VD062986.D

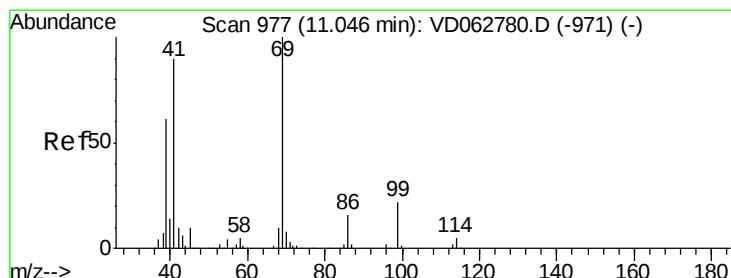
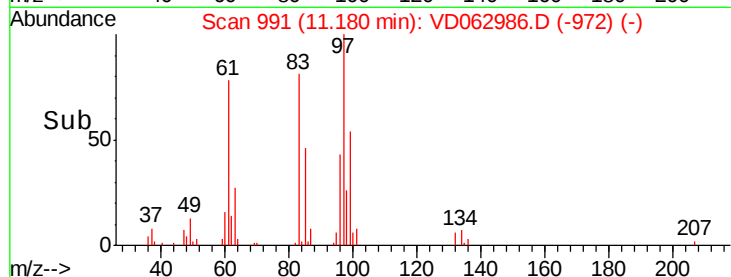
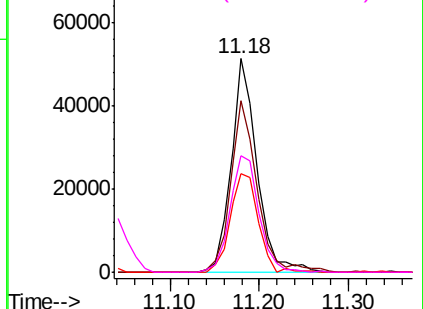
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	104518
Ion	Ratio	Lower	Upper
97	100		
83	80.6	71.0	106.4
85	45.9	46.6	69.8#
99	54.5	51.4	77.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 23.305 ug/l

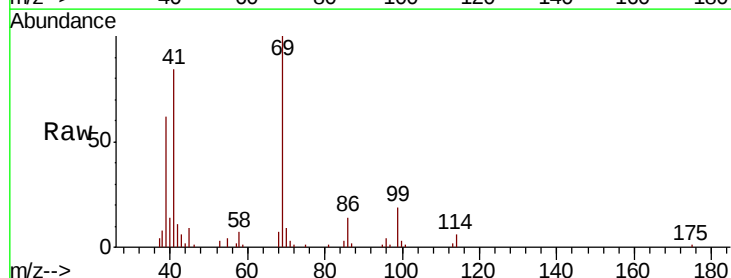
RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

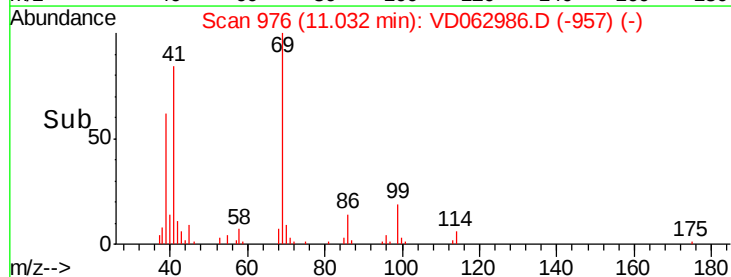
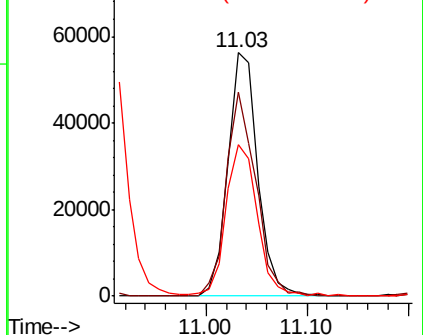
Lab File: VD062986.D

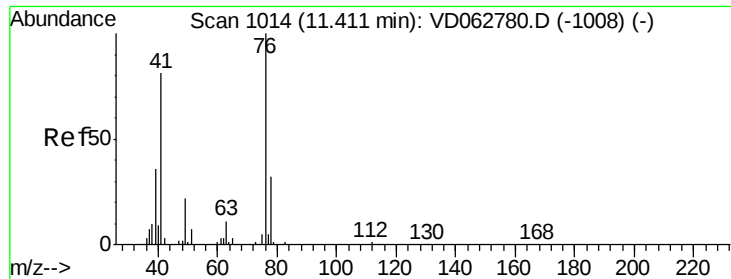
Acq: 1 Jul 2019 13:25

Tgt Ion:	69	Resp:	115276
Ion	Ratio	Lower	Upper
69	100		
41	83.7	72.0	108.0
39	62.2	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

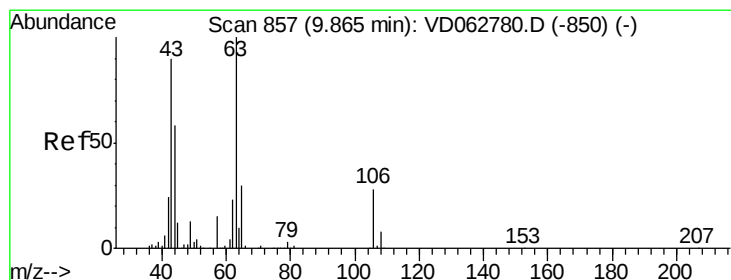
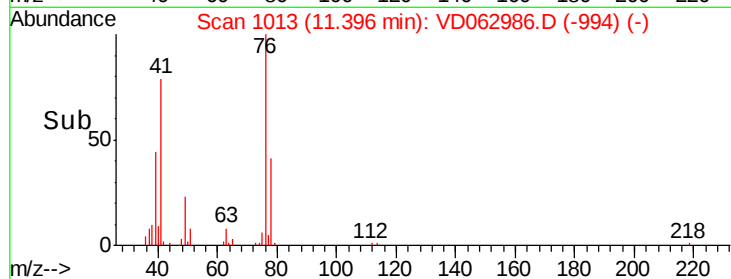
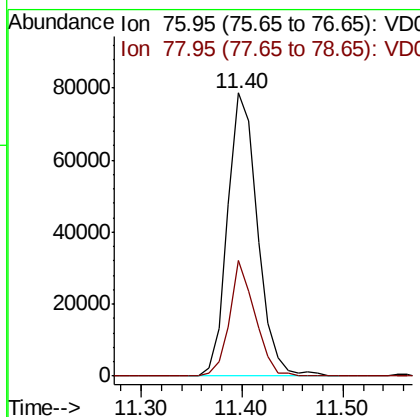
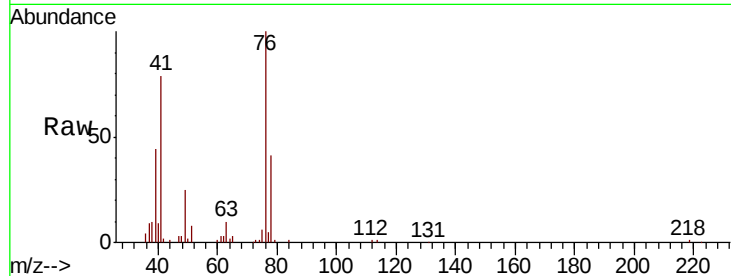




#57
 1,3-Dichloropropane
 Concen: 22.883 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

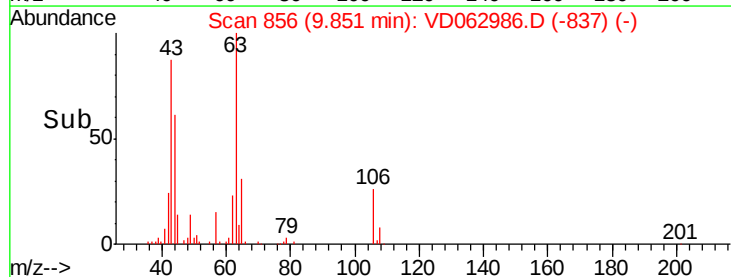
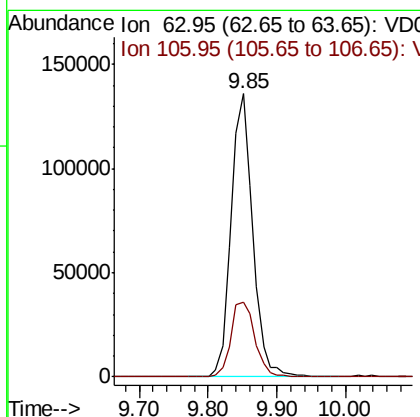
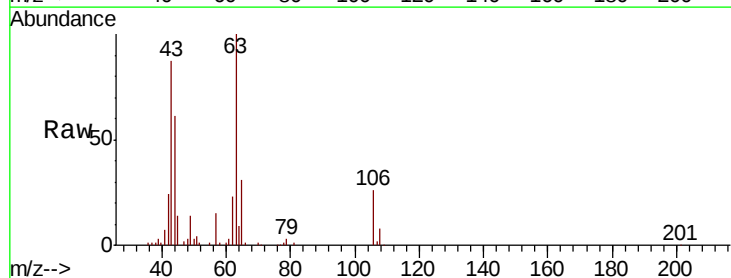
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 162176
 Ion Ratio Lower Upper
 76 100
 78 40.7 25.4 38.0#



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.032 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion: 63 Resp: 294656
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.1 33.1

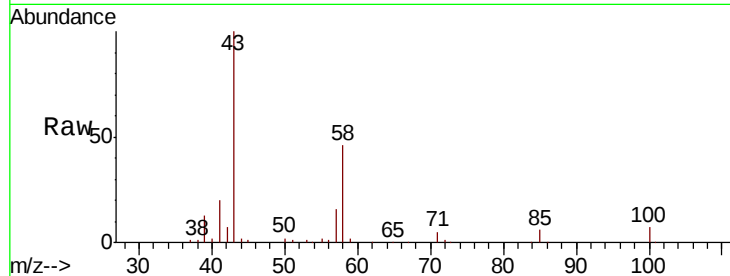




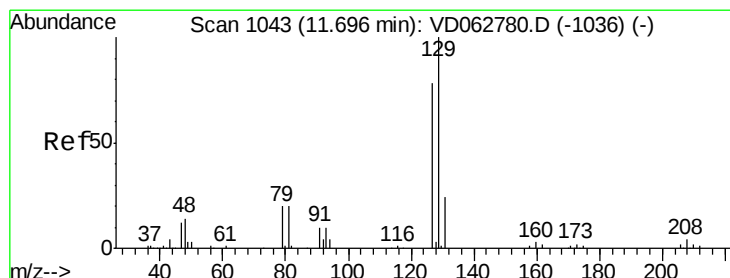
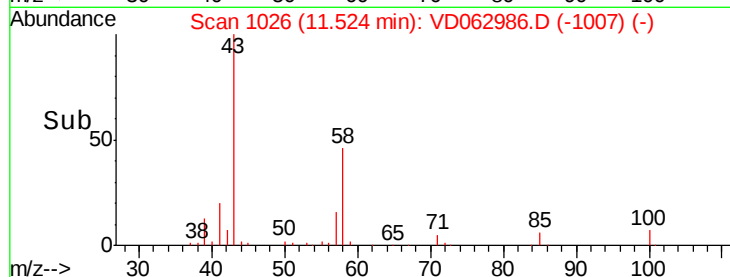
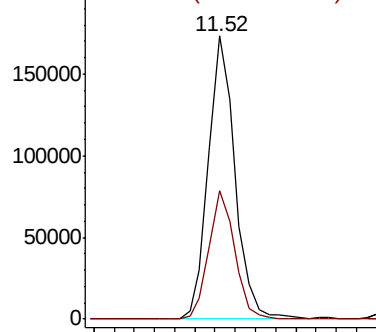
#59
2-Hexanone
Concen: 120.855 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 319433
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2

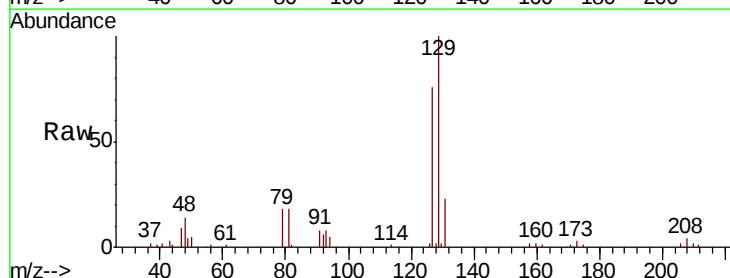


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

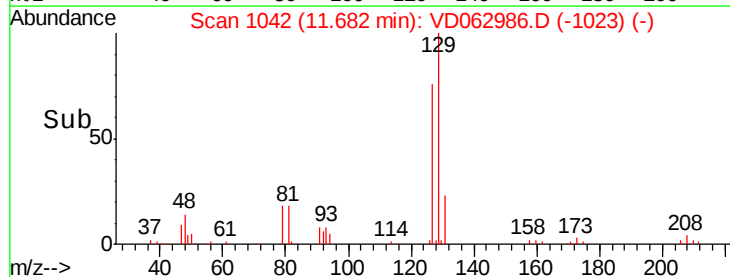
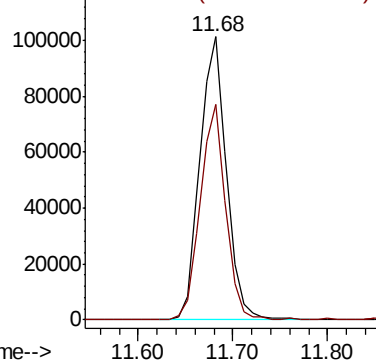


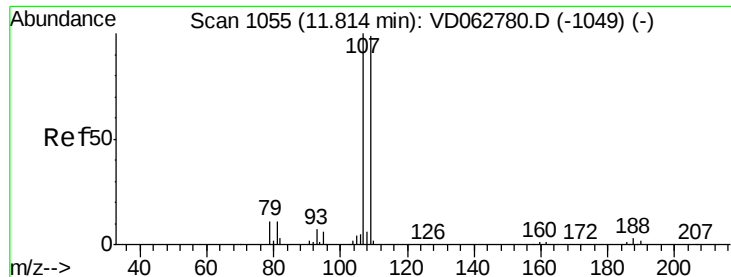
#60
Dibromochloromethane
Concen: 22.704 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion:129 Resp: 195741
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.6



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

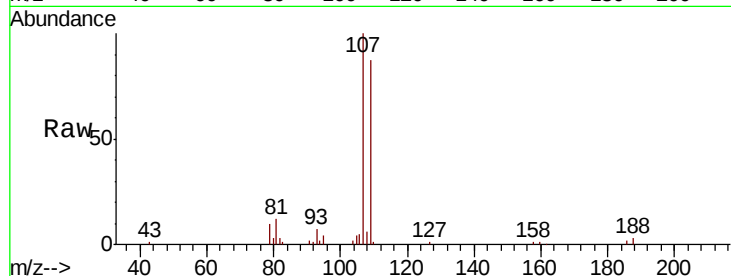




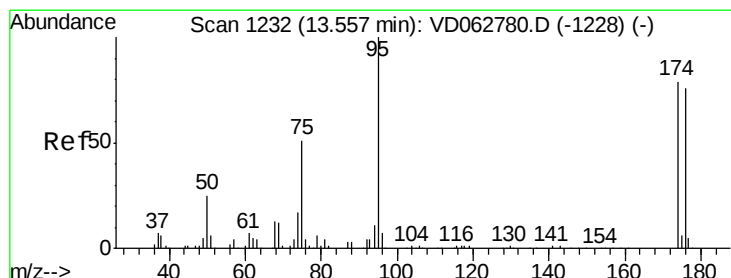
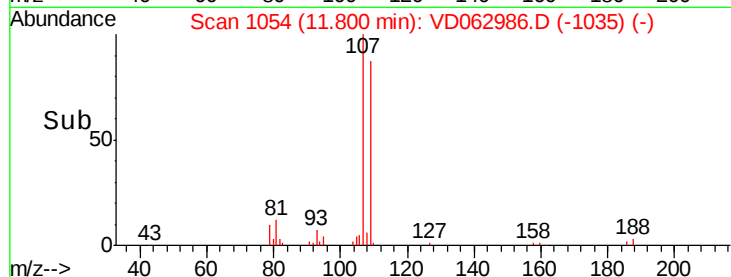
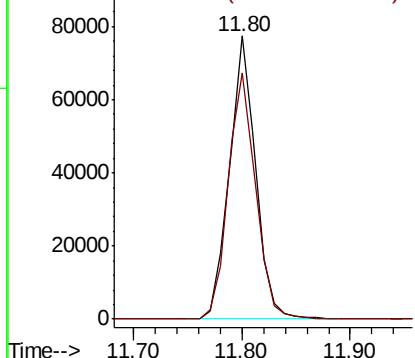
#61
1,2-Dibromoethane
Concen: 23.881 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:107 Resp: 130544
Ion Ratio Lower Upper
107 100
109 87.0 79.3 118.9

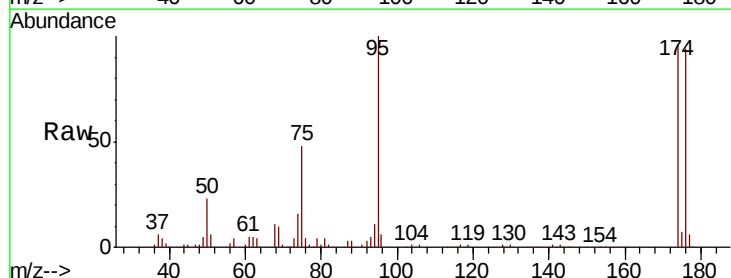


Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.90 (108.60 to 109.60): V

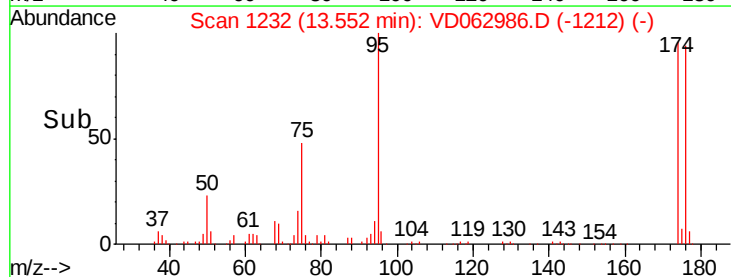
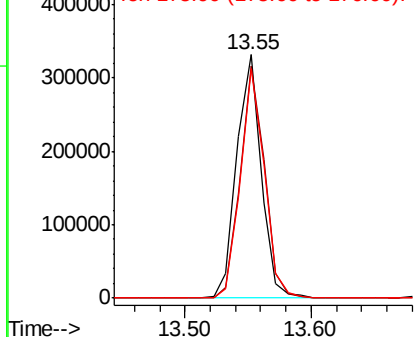


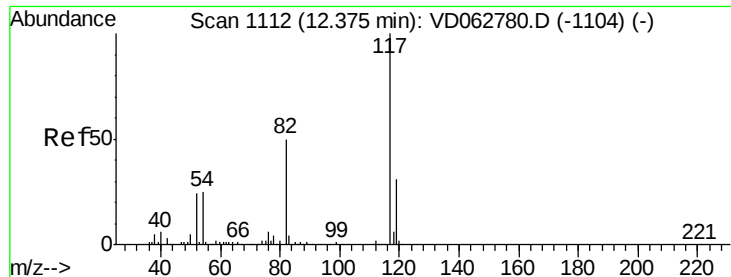
#62
4-Bromofluorobenzene
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 95 Resp: 440065
Ion Ratio Lower Upper
95 100
174 95.5 0.0 158.0
176 94.3 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

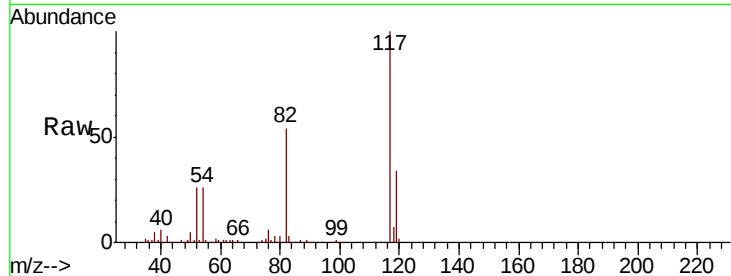




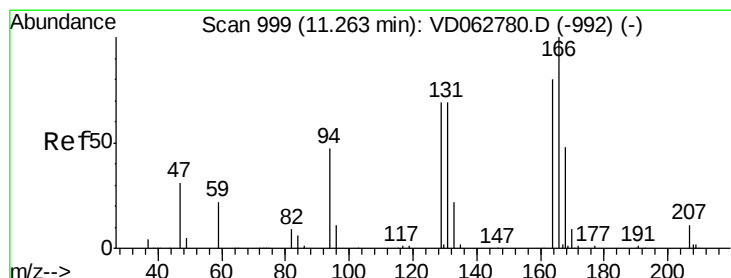
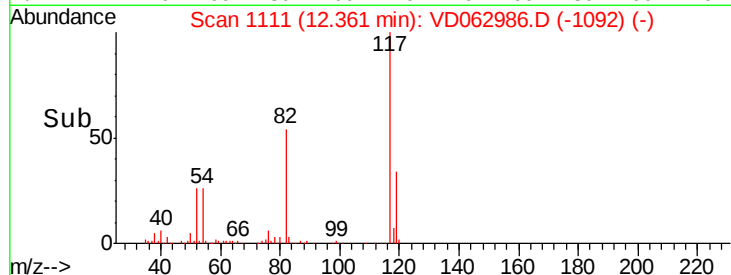
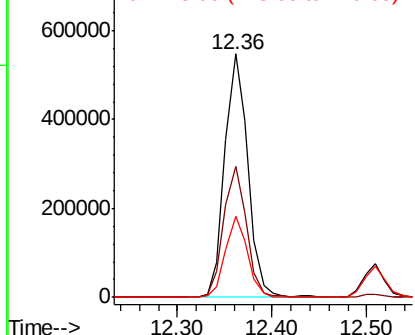
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 923544
Ion Ratio Lower Upper
117 100
82 53.9 40.4 60.6
119 33.5 25.2 37.8

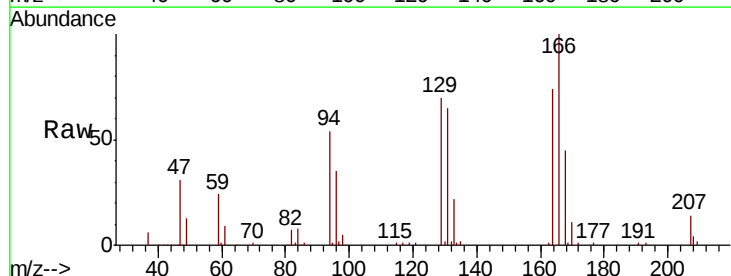


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

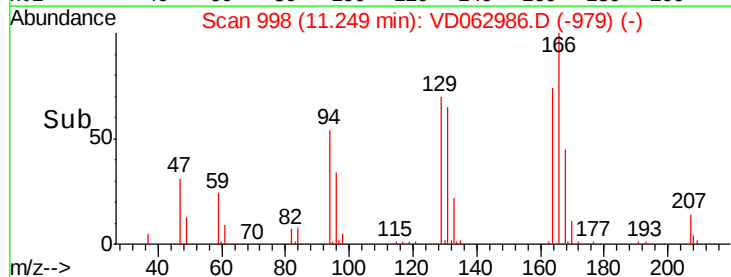
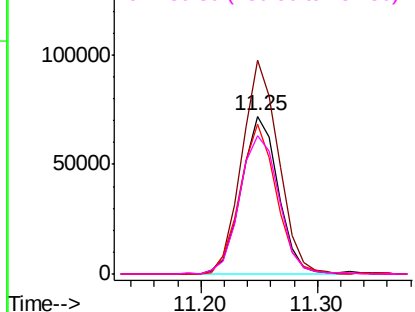


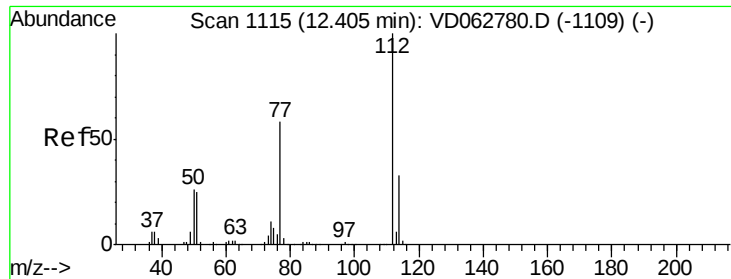
#64
Tetrachloroethene
Concen: 20.833 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion:164 Resp: 158349
Ion Ratio Lower Upper
164 100
166 135.5 100.6 150.8
129 94.8 69.4 104.0
131 87.8 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: 21.524 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

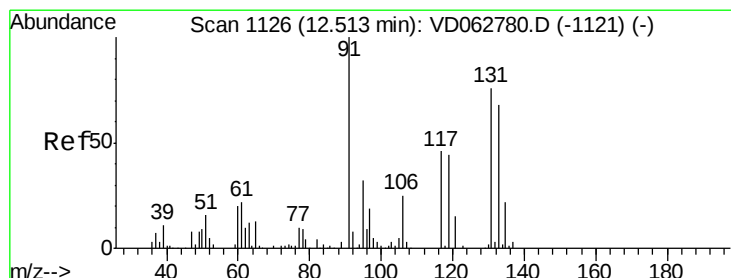
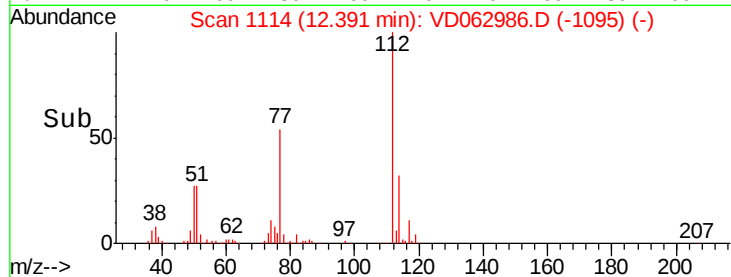
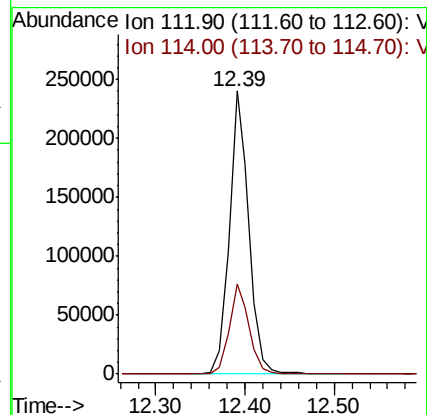
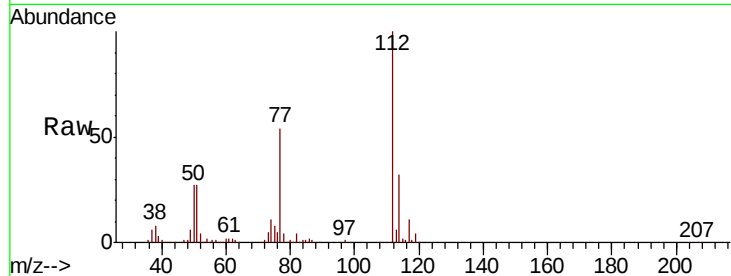
ClientSampled :

Tot Ion:112 Resp: 368926

Ion Ratio Lower Upper

112 100

114 31.6 26.3 39.5



#66

1,1,1,2-Tetrachloroethane

Concen: 21.994 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

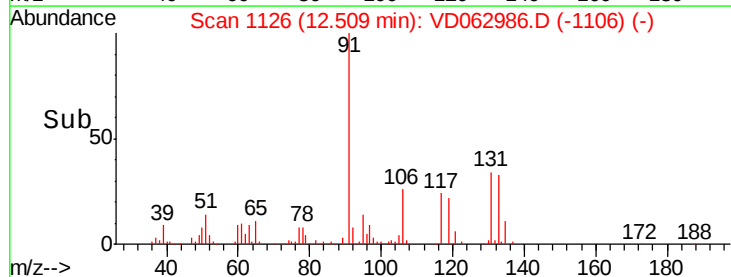
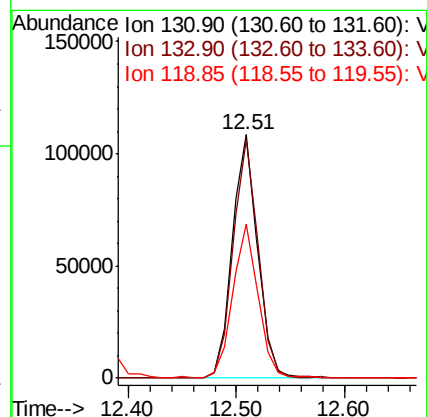
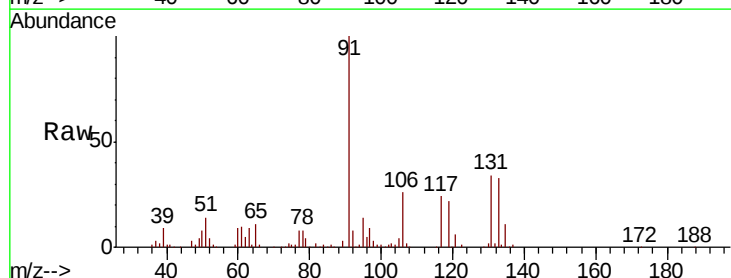
Tgt Ion:131 Resp: 176296

Ion Ratio Lower Upper

131 100

133 97.8 44.5 133.3

119 63.3 28.6 85.9

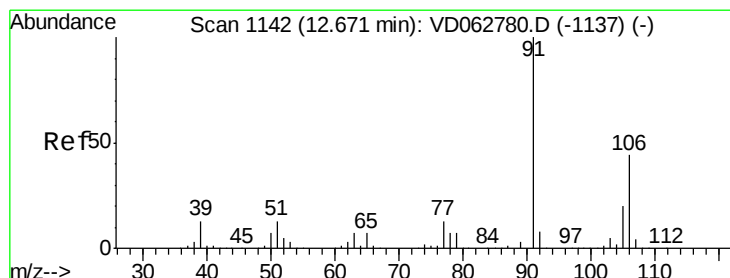
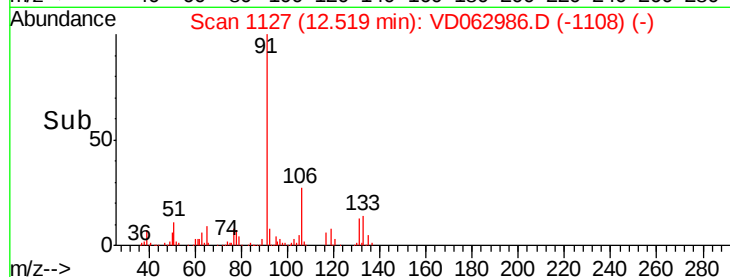
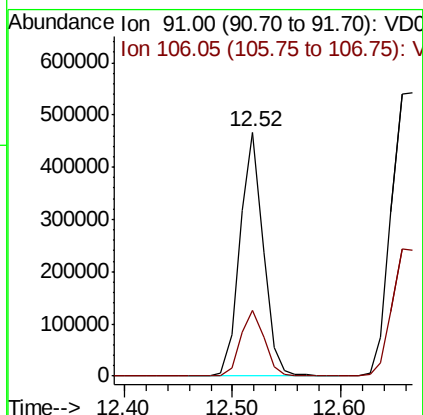
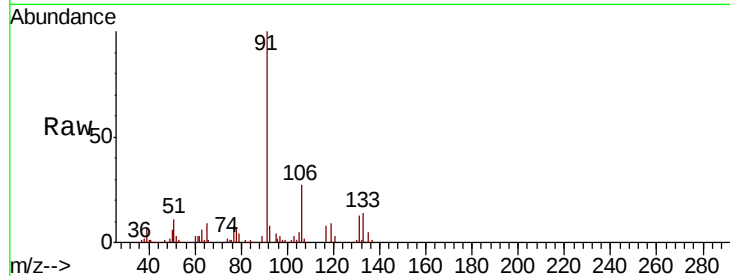




#67
Ethyl Benzene
Concen: 22.707 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

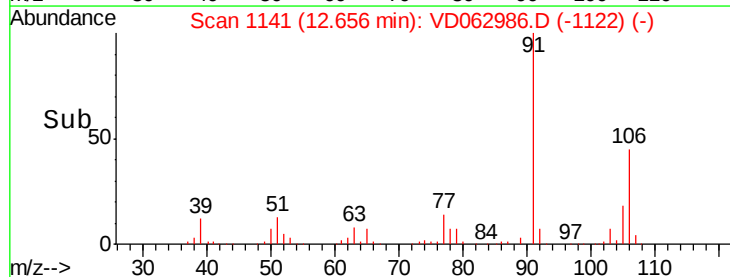
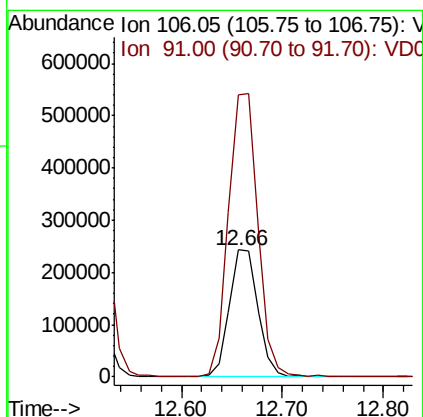
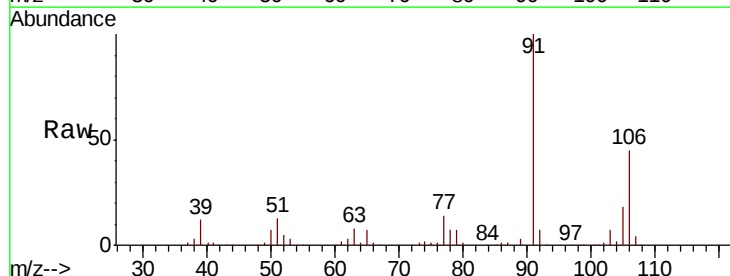
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 698748
Ion Ratio Lower Upper
91 100
106 27.1 23.1 34.7



#68
m/p-Xylenes
Concen: 44.693 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion: 106 Resp: 479020
Ion Ratio Lower Upper
106 100
91 222.7 183.0 274.6

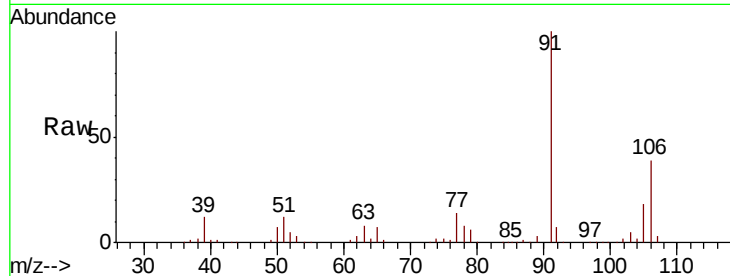




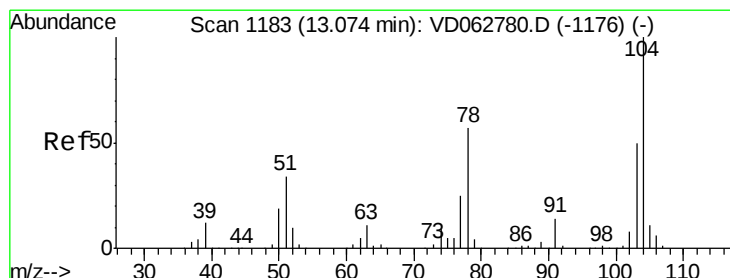
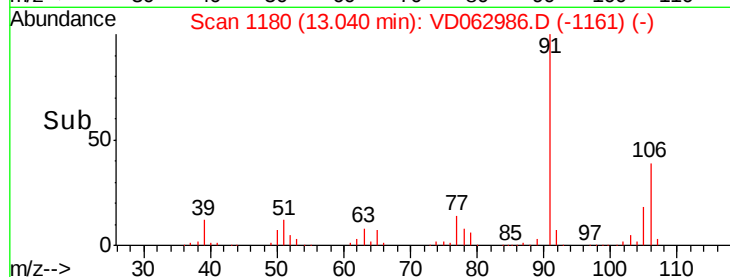
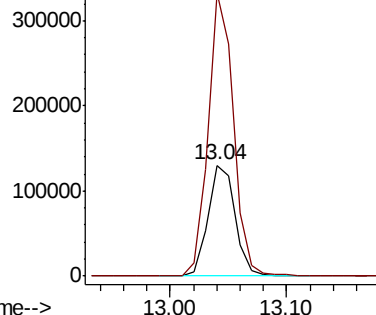
#69
o-Xylene
Concen: 21.423 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 209901
Ion Ratio Lower Upper
106 100
91 255.5 117.9 353.6

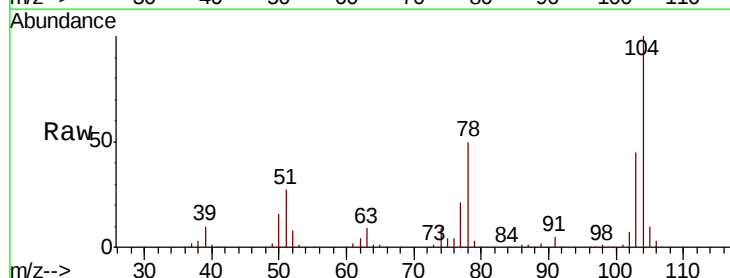


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

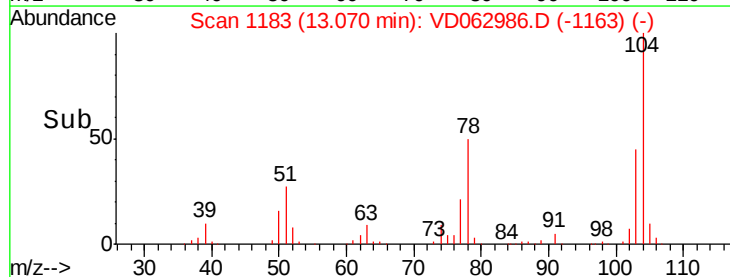
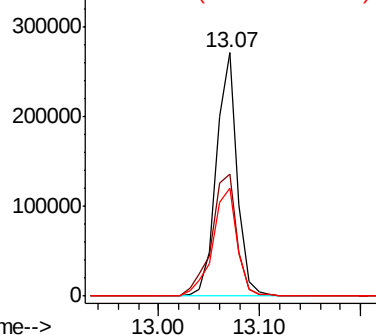


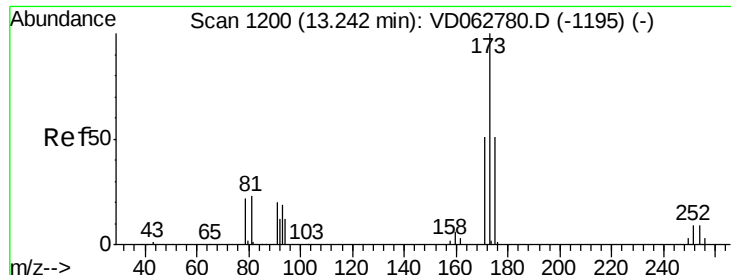
#70
Styrene
Concen: 22.521 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion:104 Resp: 387578
Ion Ratio Lower Upper
104 100
78 50.0 45.4 68.2
103 44.6 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: 22.335 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

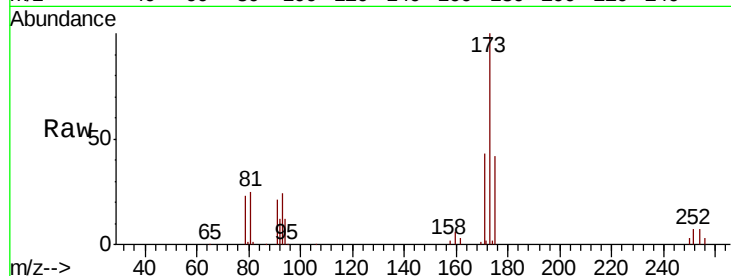
Tot Ion:173 Resp: 122659

Ion Ratio Lower Upper

173 100

175 41.7 25.3 75.9

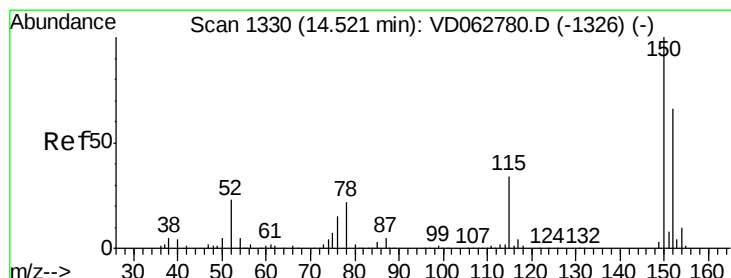
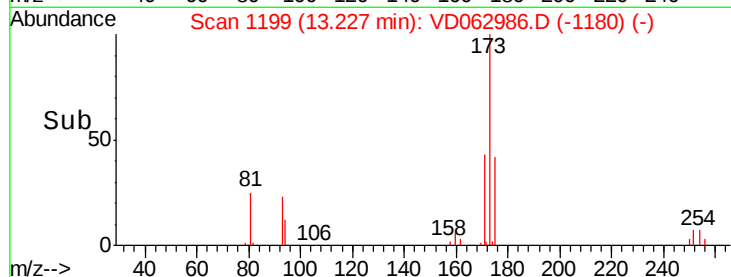
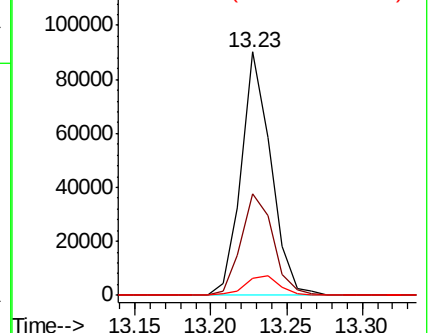
254 6.7 7.1 10.7#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

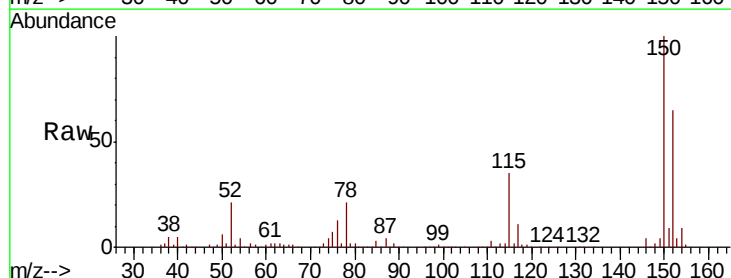
Tgt Ion:152 Resp: 545554

Ion Ratio Lower Upper

152 100

115 53.1 29.2 87.6

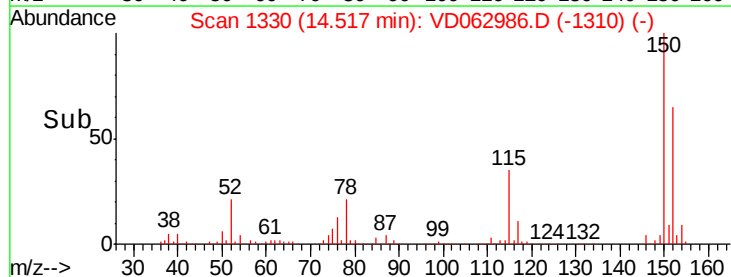
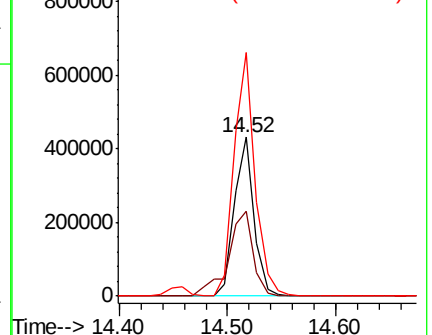
150 153.3 0.0 305.8



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: 20.407 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

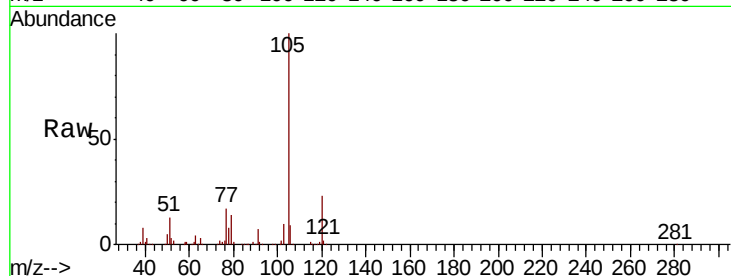
ClientSampleId :

Tot Ion:105 Resp: 713843

Ion Ratio Lower Upper

105 100

120 23.2 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

500000

400000

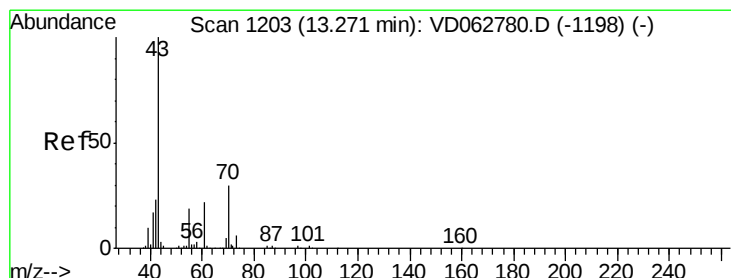
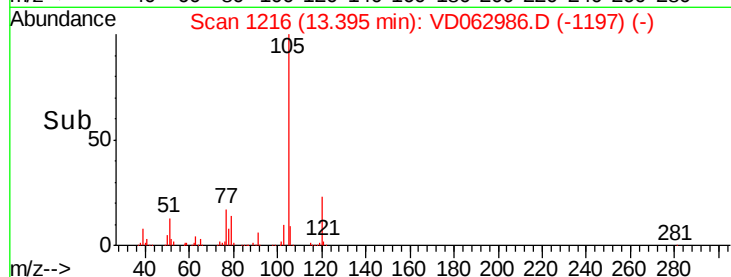
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.532 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Tgt Ion: 43 Resp: 174411

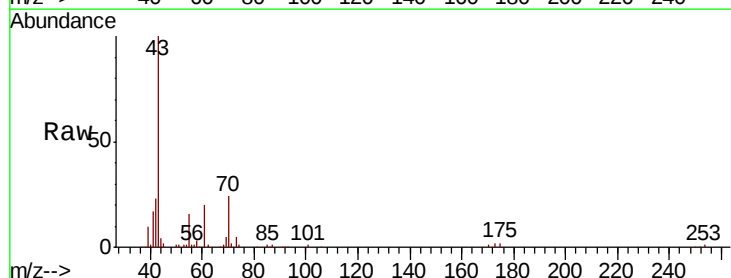
Ion Ratio Lower Upper

43 100

70 24.4 24.4 36.6#

55 15.6 15.2 22.8

61 20.4 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

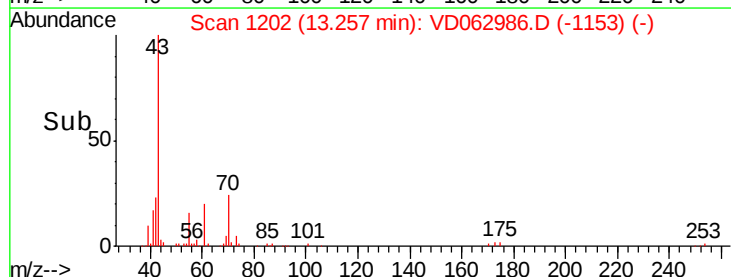
150000

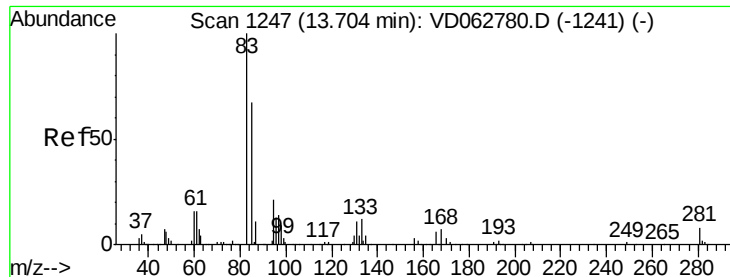
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.240 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

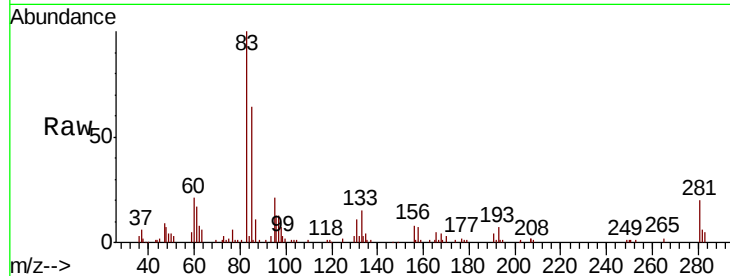
Tot Ion: 83 Resp: 109659

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

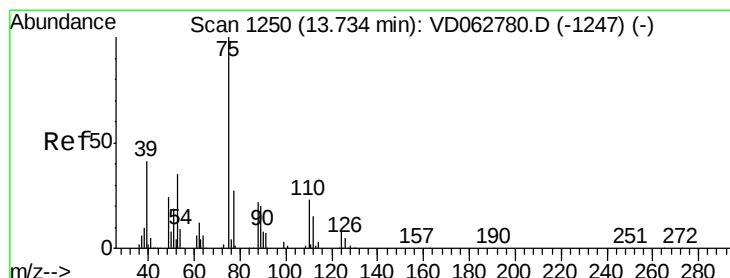
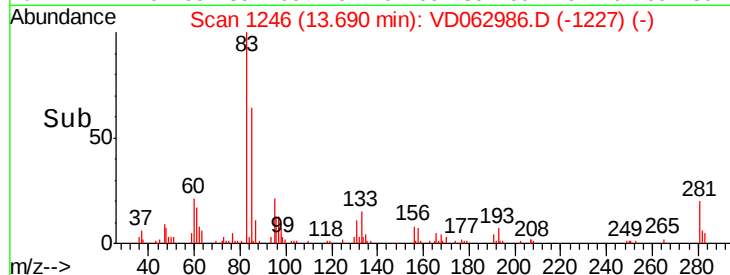
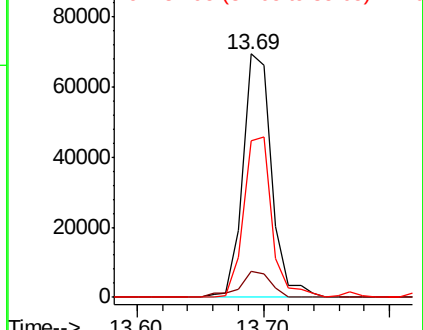
85 64.1 33.7 101.1



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: 20.954 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062986.D

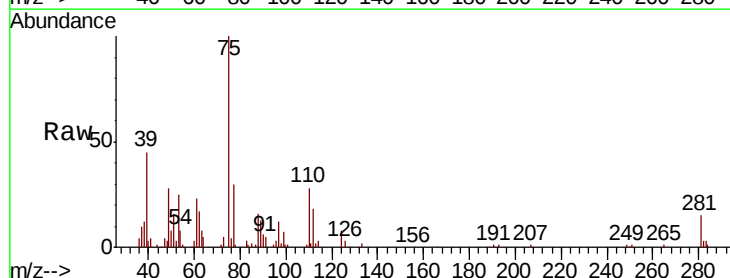
Acq: 1 Jul 2019 13:25

Tgt Ion: 75 Resp: 131970

Ion Ratio Lower Upper

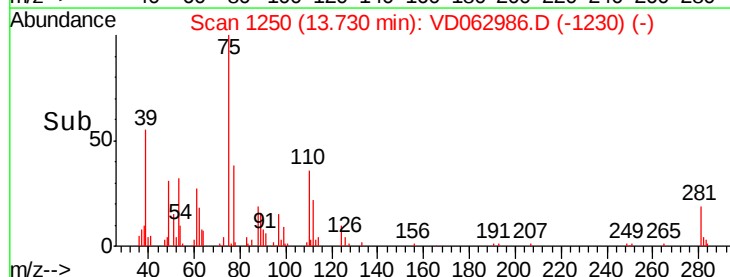
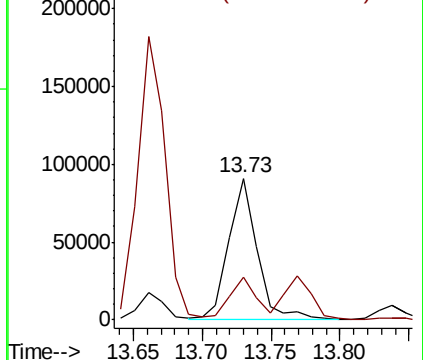
75 100

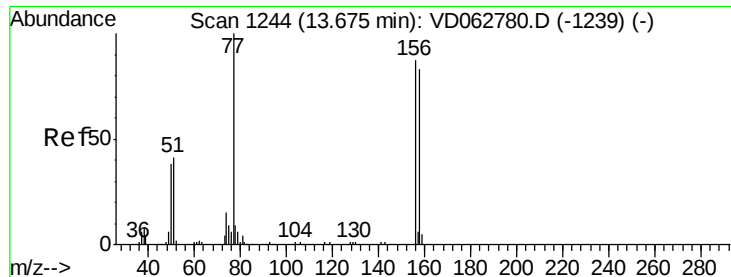
77 30.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.534 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

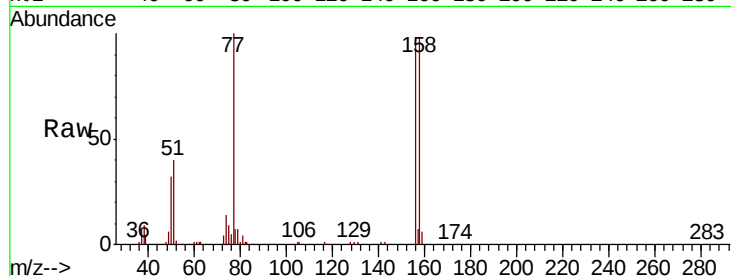
Tot Ion:156 Resp: 193197

Ion Ratio Lower Upper

156 100

77 105.5 57.7 173.1

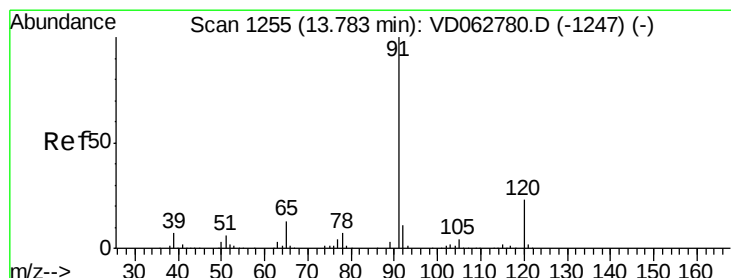
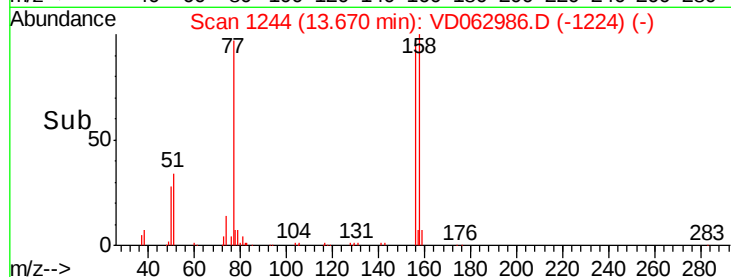
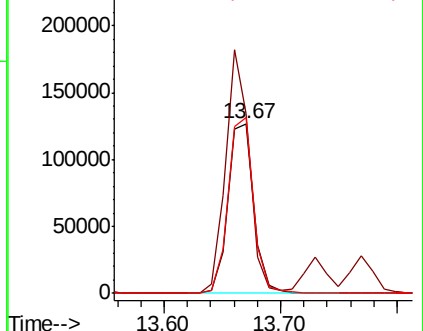
158 103.7 47.7 143.1



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: 20.918 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062986.D

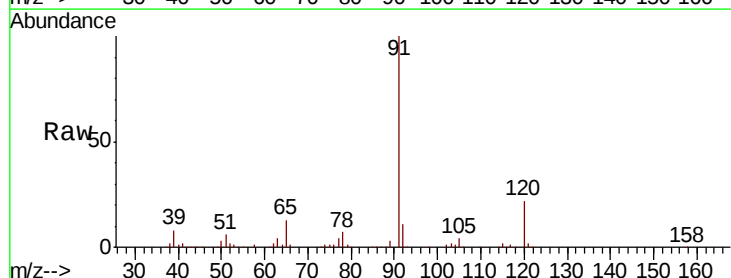
Acq: 1 Jul 2019 13:25

Tgt Ion: 91 Resp: 851653

Ion Ratio Lower Upper

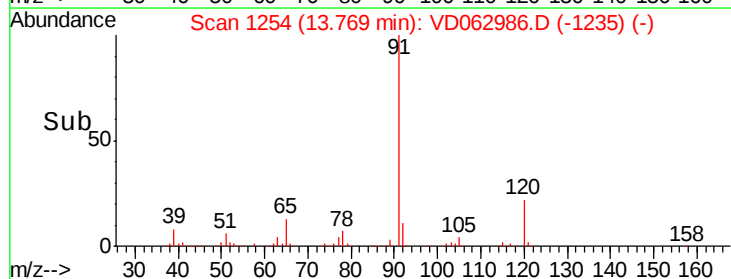
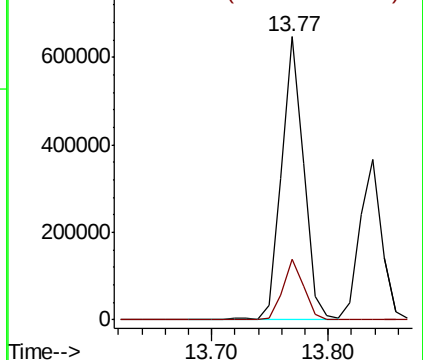
91 100

120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

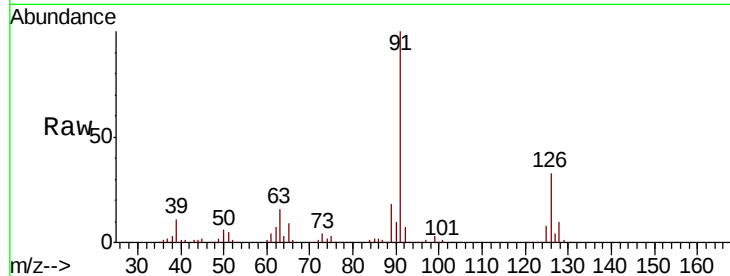




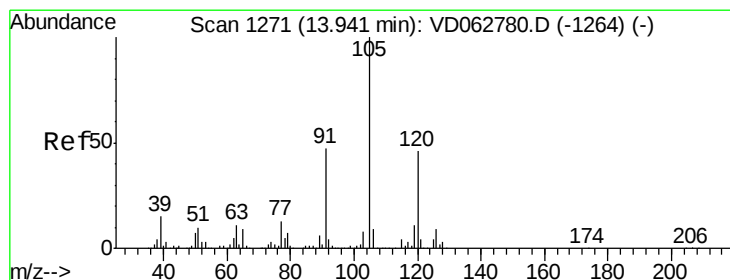
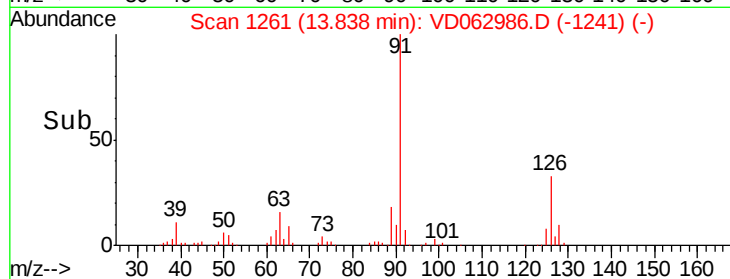
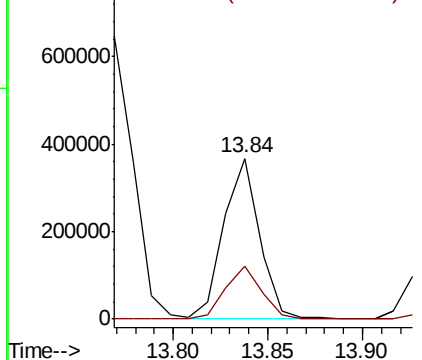
#79
 2-Chlorotoluene
 Concen: 20.636 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 480143
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.7 47.1

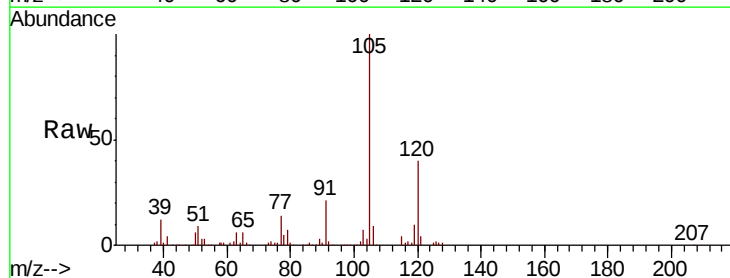


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

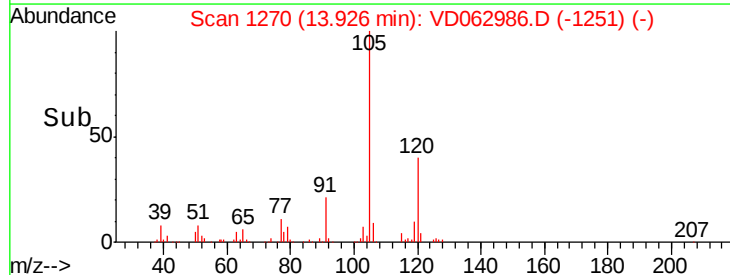
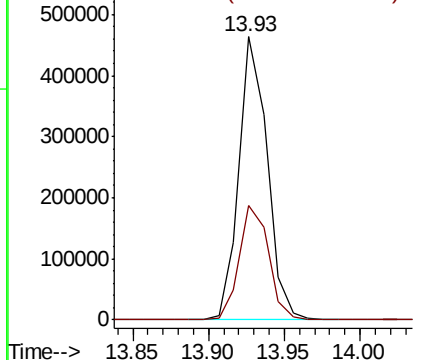


#80
 1,3,5-Trimethylbenzene
 Concen: 20.449 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion: 105 Resp: 600815
 Ion Ratio Lower Upper
 105 100
 120 40.4 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.461 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

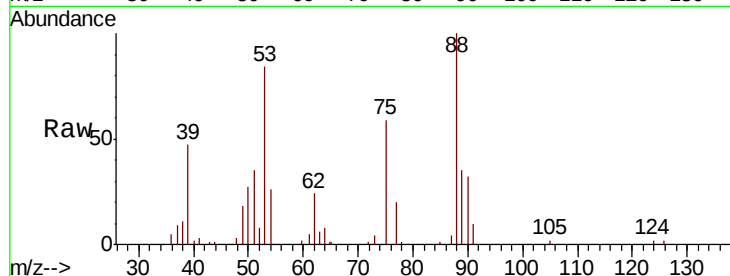
Tot Ion: 75 Resp: 32122

Ion Ratio Lower Upper

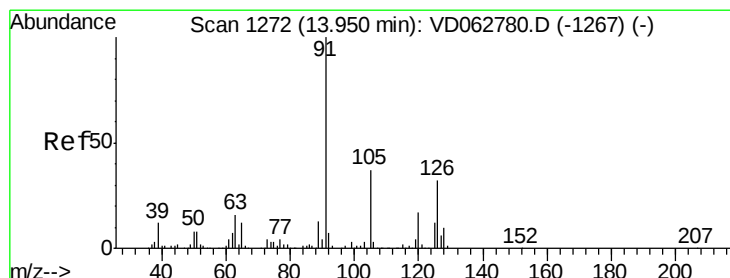
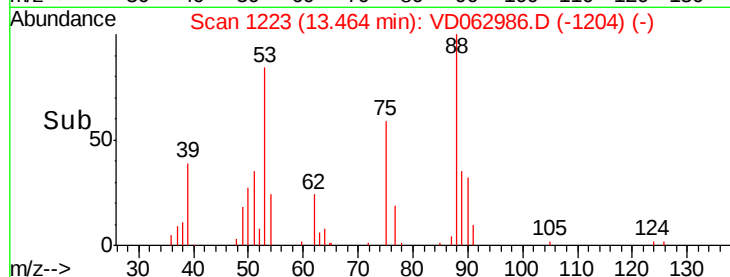
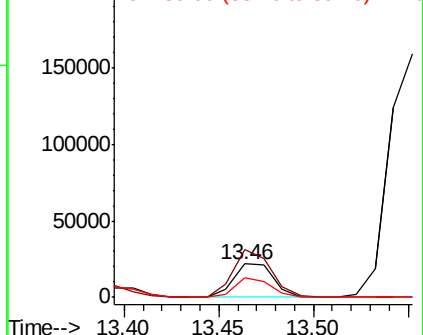
75 100

53 142.6 97.8 146.8

89 58.9 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.591 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062986.D

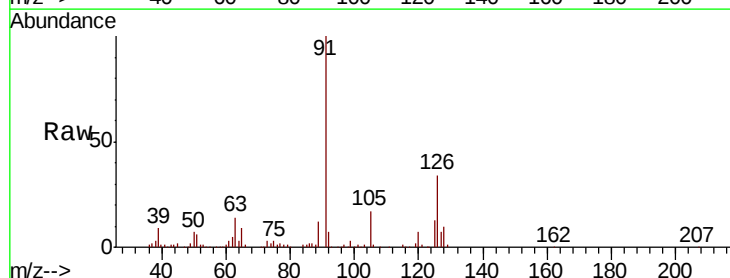
Acq: 1 Jul 2019 13:25

Tgt Ion: 91 Resp: 604791

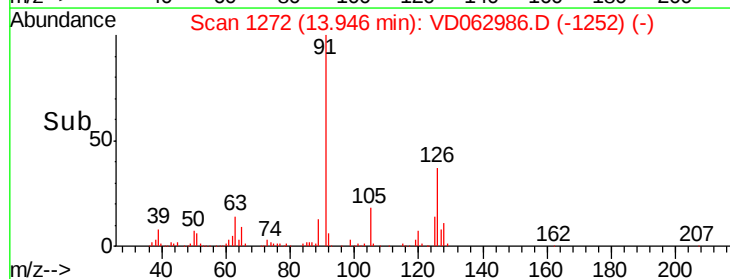
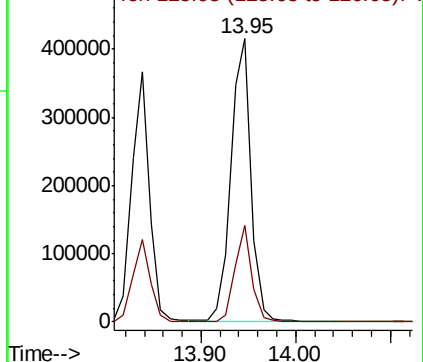
Ion Ratio Lower Upper

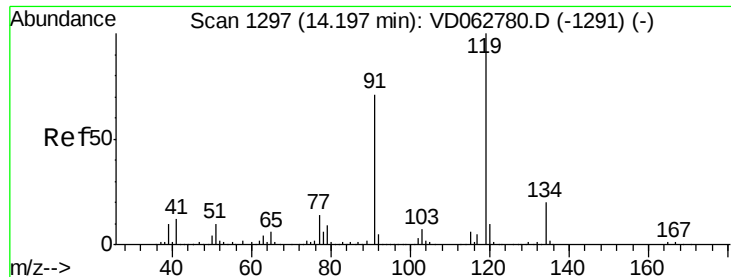
91 100

126 33.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

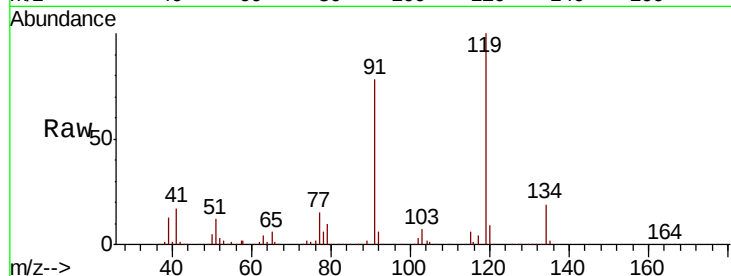




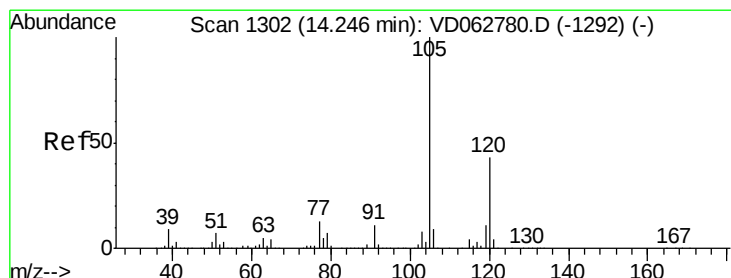
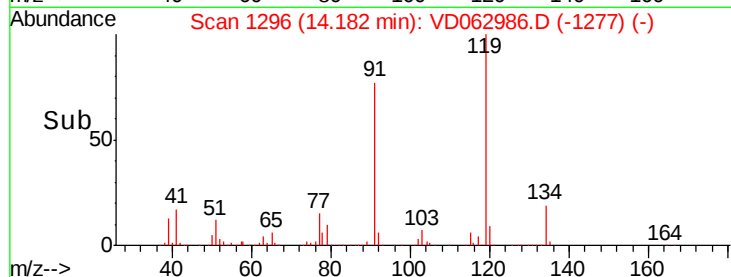
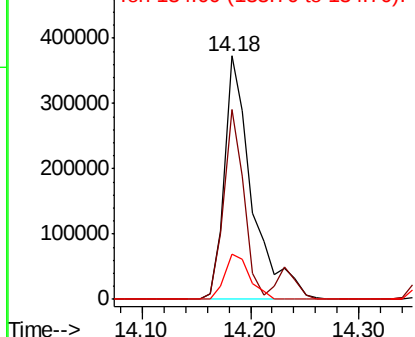
#83
tert-Butylbenzene
Concen: 20.246 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 663061
Ion Ratio Lower Upper
119 100
91 78.0 35.5 106.5
134 18.8 10.2 30.6

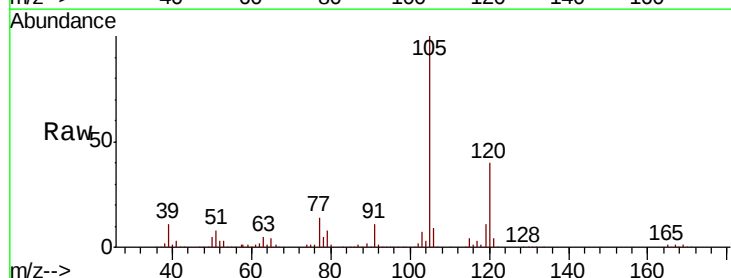


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

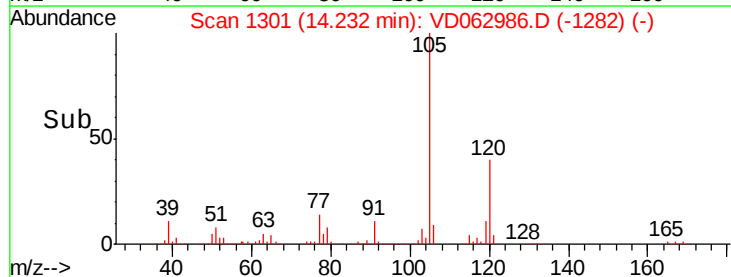
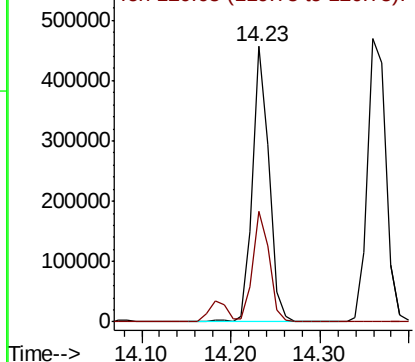


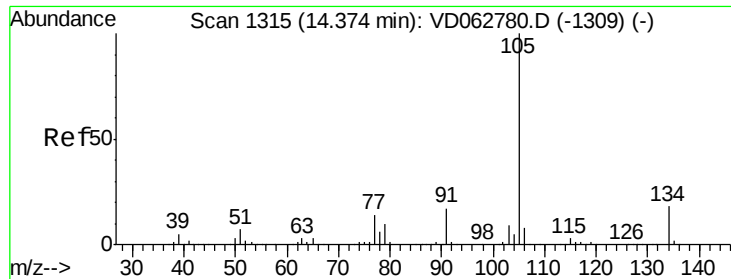
#84
1,2,4-Trimethylbenzene
Concen: 19.169 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion:105 Resp: 577267
Ion Ratio Lower Upper
105 100
120 40.3 21.3 63.9



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

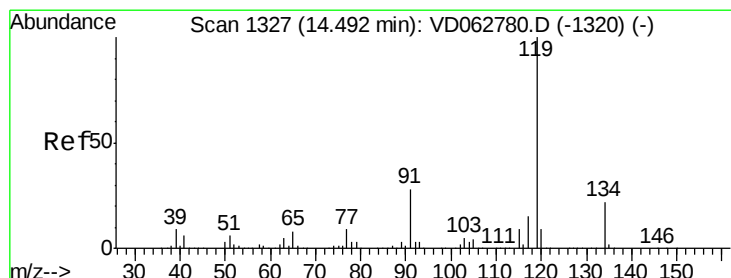
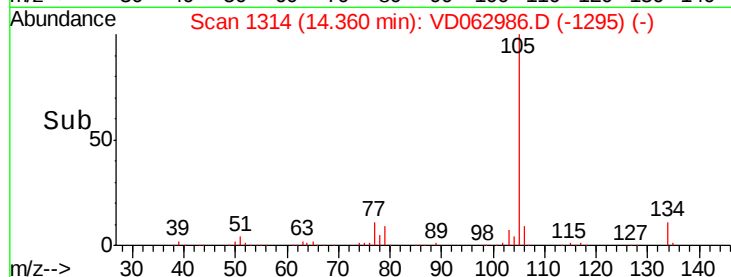
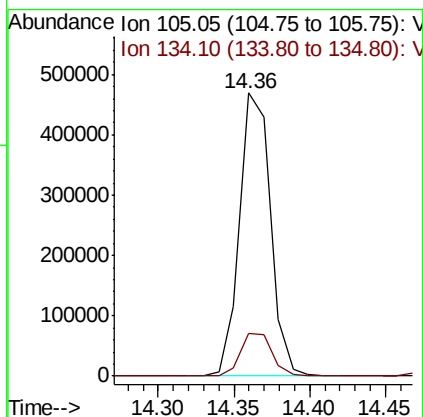
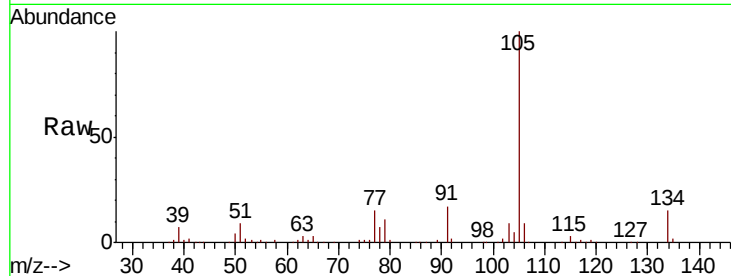




#85
 sec-Butylbenzene
 Concen: 18.755 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

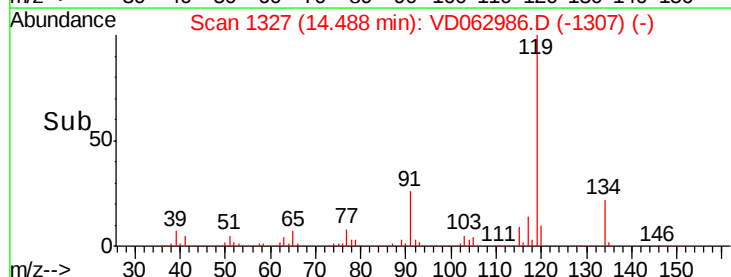
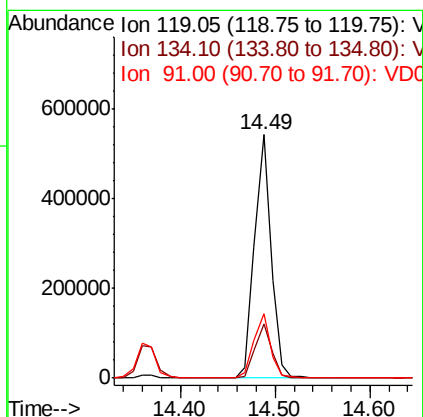
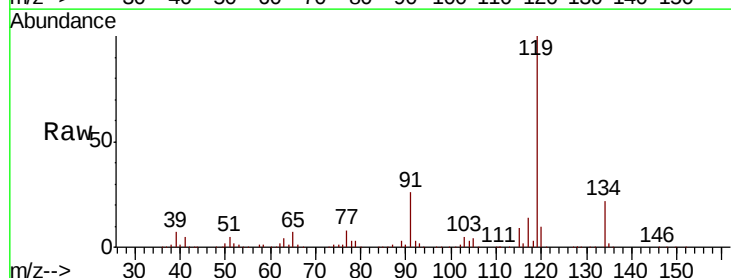
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 667604
 Ion Ratio Lower Upper
 105 100
 134 15.2 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 20.399 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion:119 Resp: 664262
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.1 33.1
 91 26.3 14.0 41.9

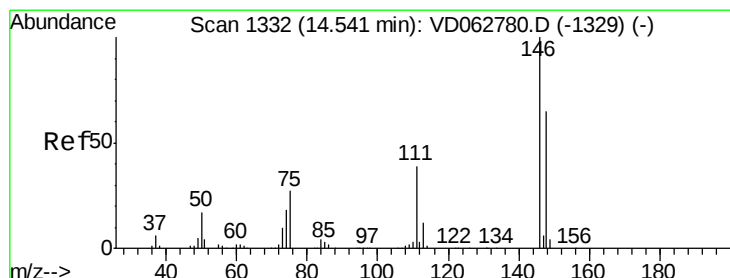
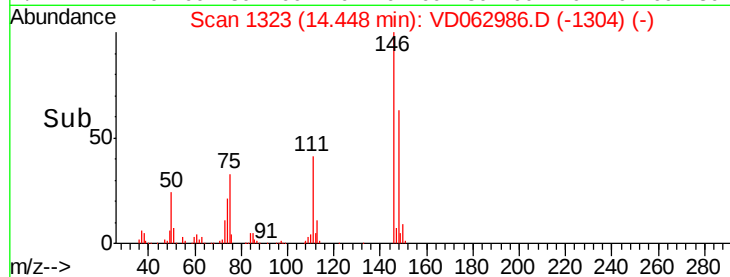
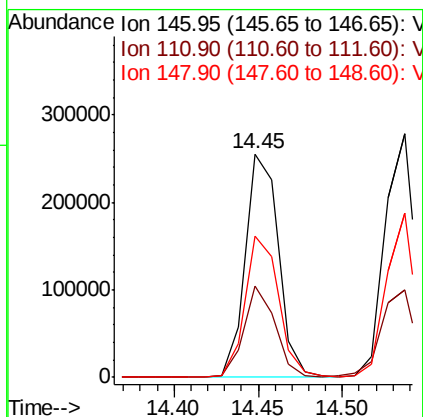
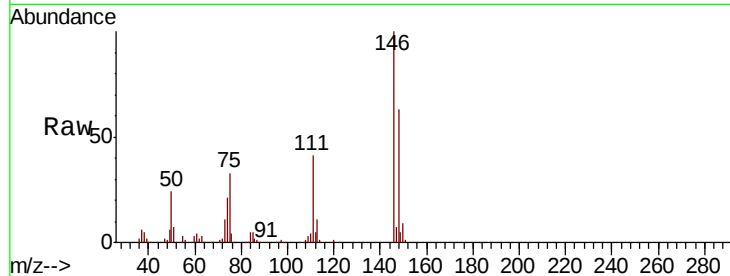




#87
 1,3-Dichlorobenzene
 Concen: 20.708 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

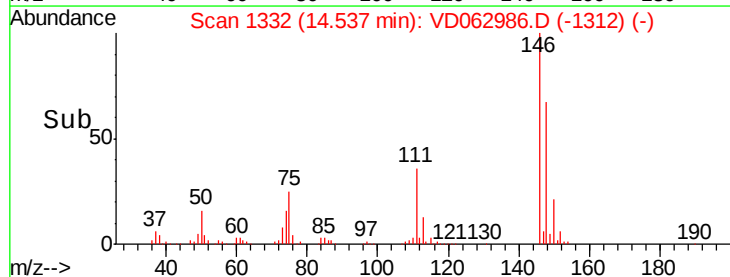
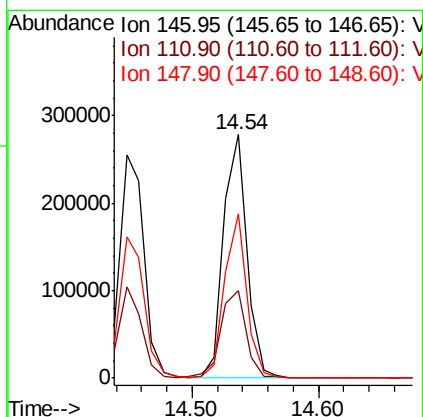
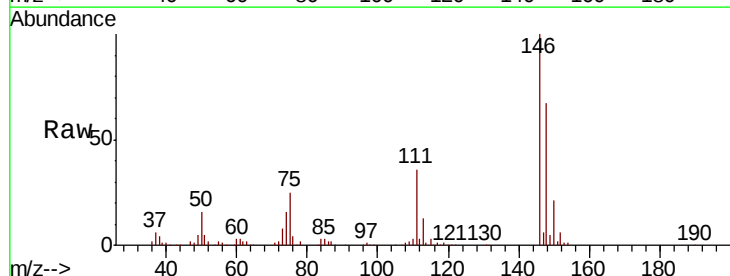
Instrument :
 MSVOA_D
 ClientSampleId :

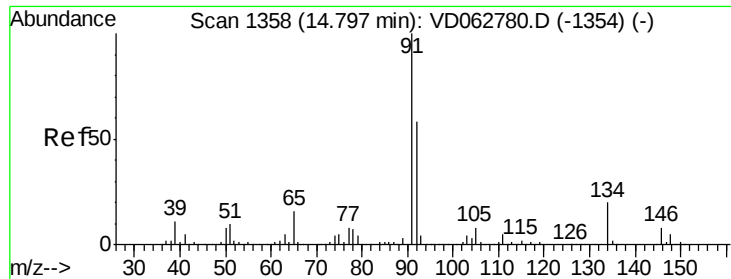
Tot Ion:146 Resp: 349250
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.0 57.0
 148 63.2 30.8 92.3



#88
 1,4-Dichlorobenzene
 Concen: 21.181 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion:146 Resp: 358808
 Ion Ratio Lower Upper
 146 100
 111 35.9 19.7 59.1
 148 67.4 32.8 98.3





#89

n-Butylbenzene

Concen: 20.024 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

Instrument :

MSVOA_D

ClientSampleId :

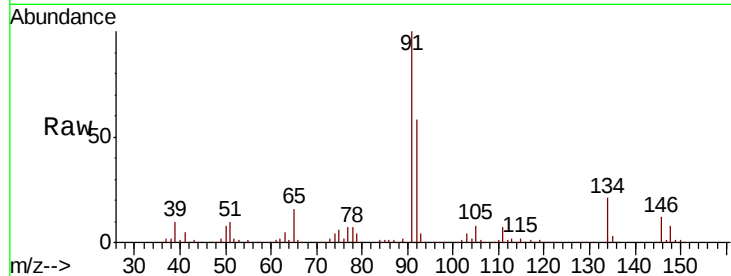
Tot Ion: 91 Resp: 610302

Ion Ratio Lower Upper

91 100

92 58.0 28.9 86.7

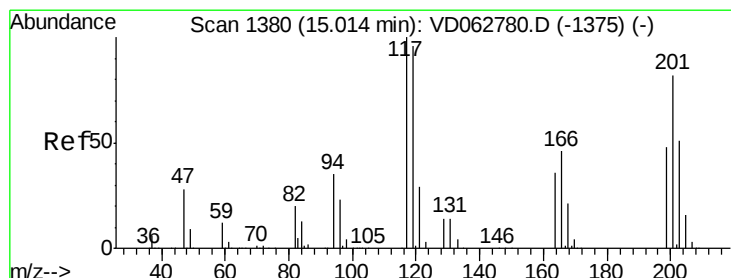
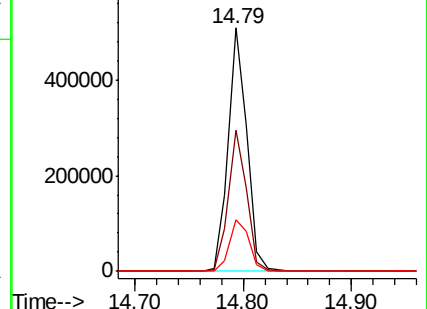
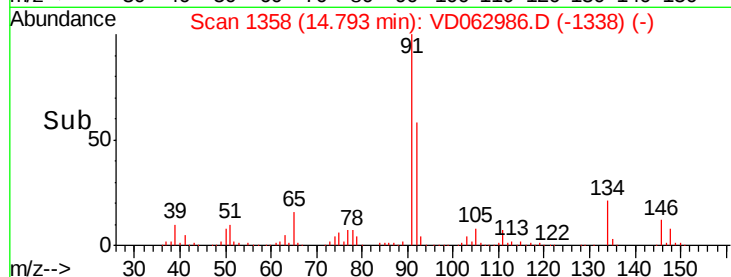
134 21.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.229 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062986.D

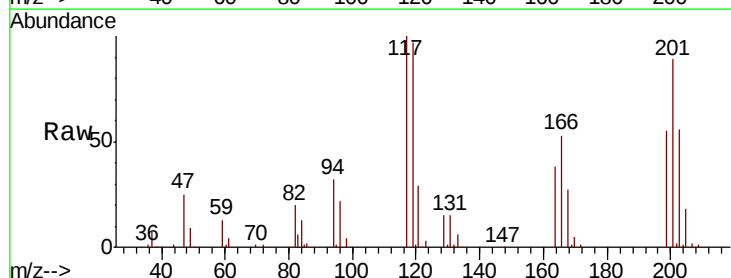
Acq: 1 Jul 2019 13:25

Tgt Ion: 117 Resp: 177118

Ion Ratio Lower Upper

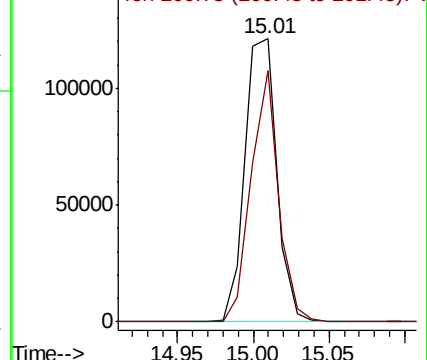
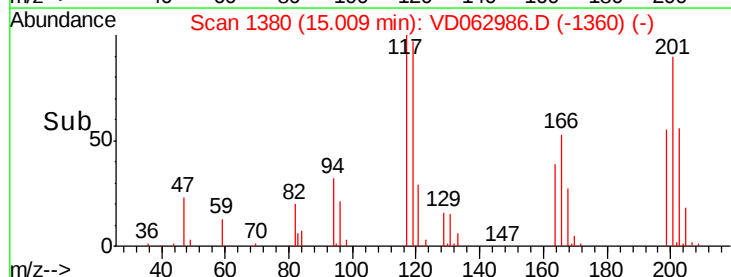
117 100

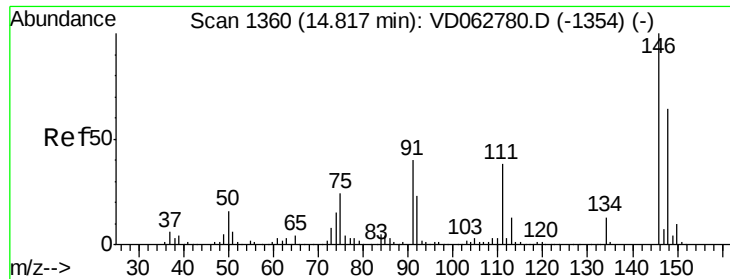
201 88.9 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

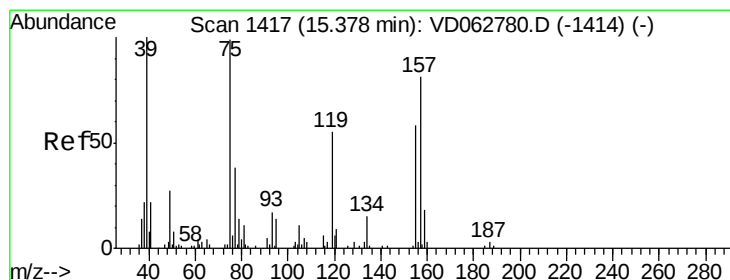
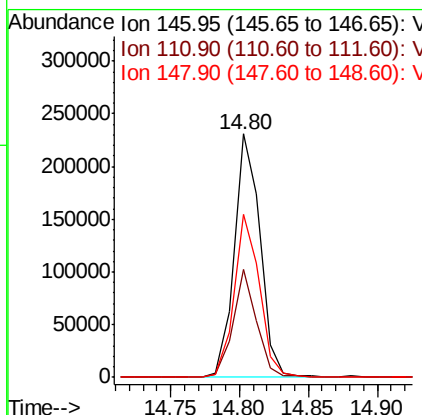
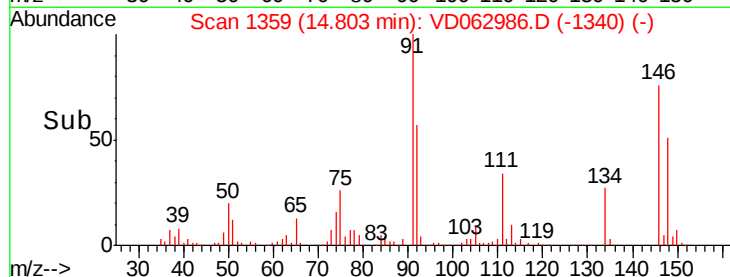
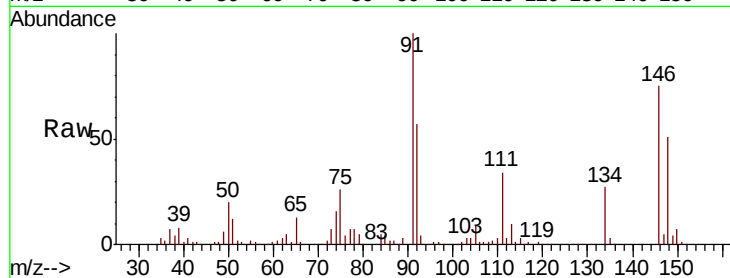




#91
 1,2-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

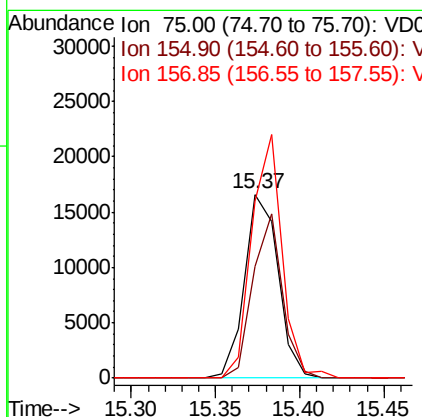
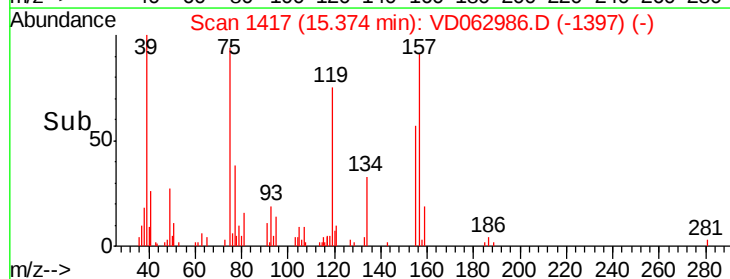
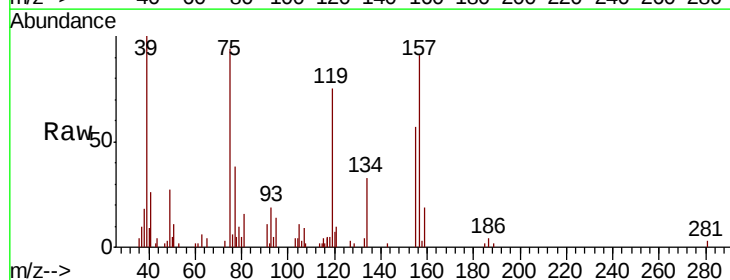
Instrument :
 MSVOA_D
 ClientSampleId :

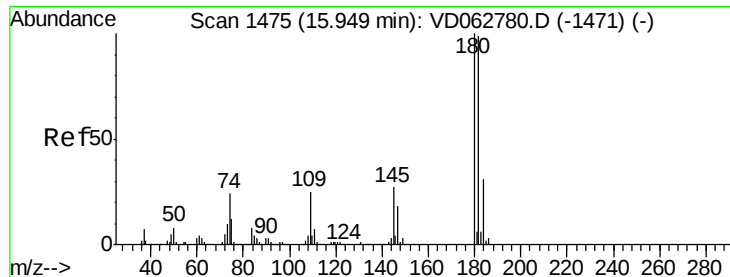
Tot Ion:146 Resp: 300894
 Ion Ratio Lower Upper
 146 100
 111 44.5 19.1 57.1
 148 67.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.661 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion: 75 Resp: 22984
 Ion Ratio Lower Upper
 75 100
 155 60.9 29.3 87.8
 157 96.5 41.3 123.7

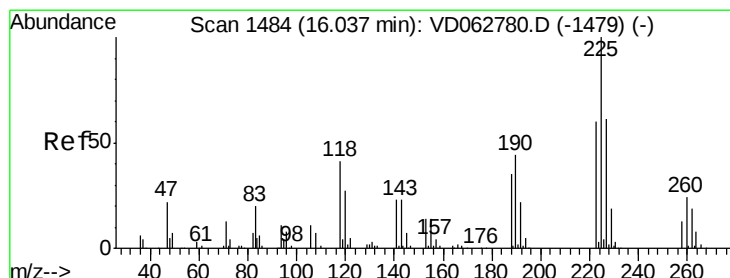
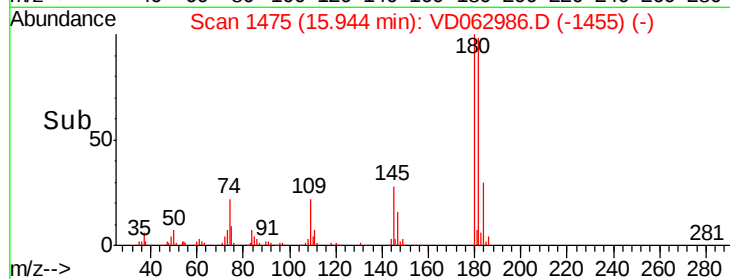
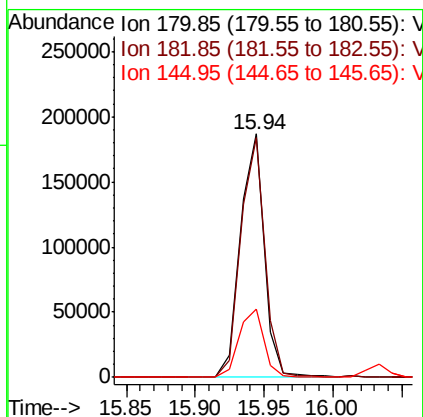
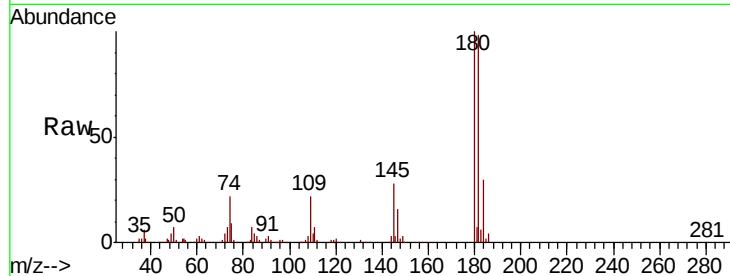




#93
 1,2,4-Trichlorobenzene
 Concen: 20.167 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

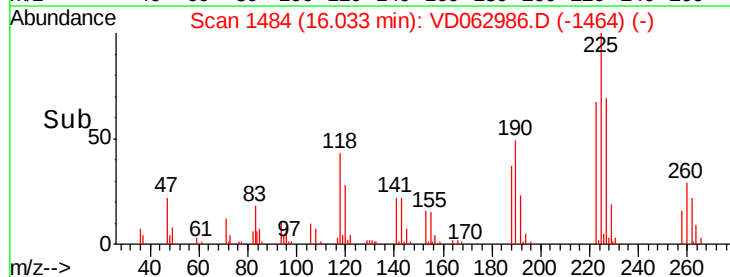
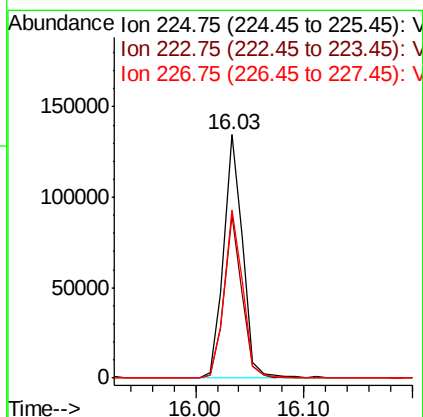
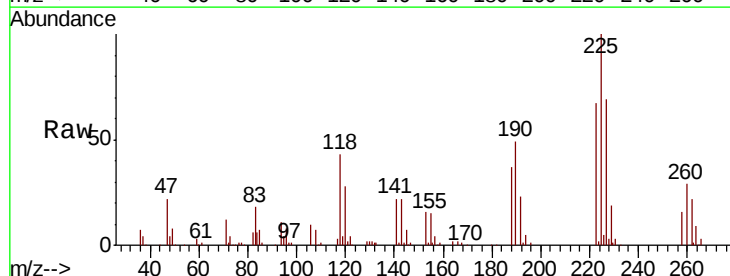
Instrument :
 MSVOA_D
 ClientSampled :

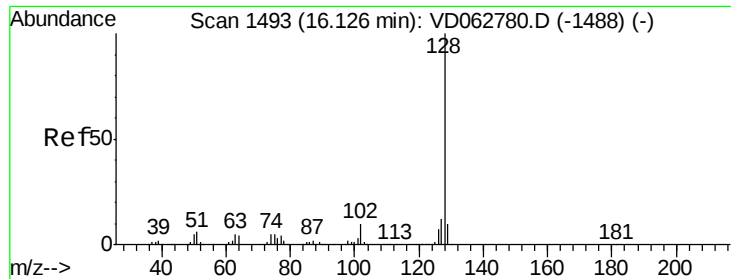
Tot Ion:180 Resp: 227326
 Ion Ratio Lower Upper
 180 100
 182 98.4 49.5 148.5
 145 27.8 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 19.085 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Tgt Ion:225 Resp: 164348
 Ion Ratio Lower Upper
 225 100
 223 67.0 29.8 89.5
 227 68.9 30.6 91.6

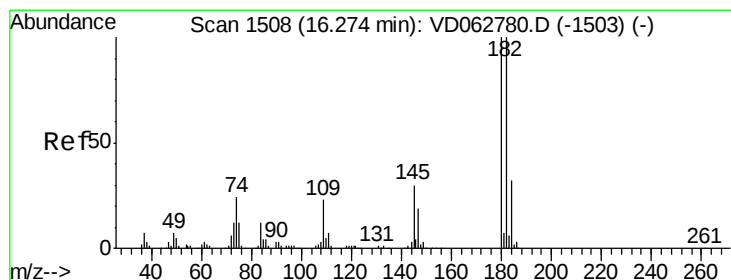
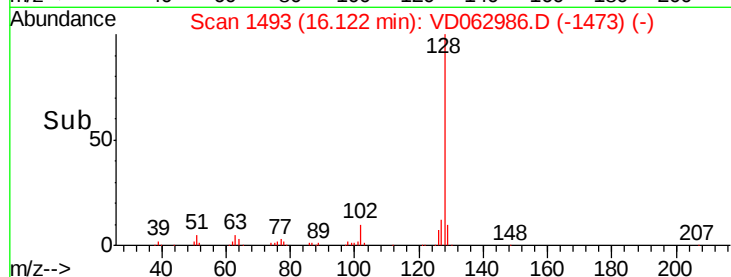
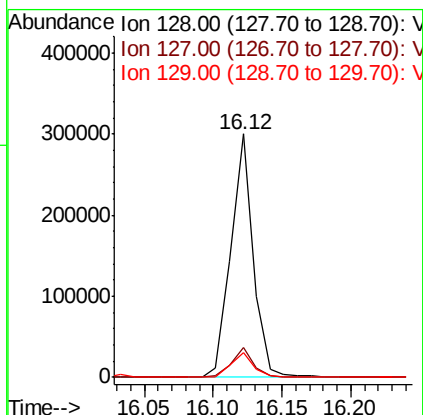
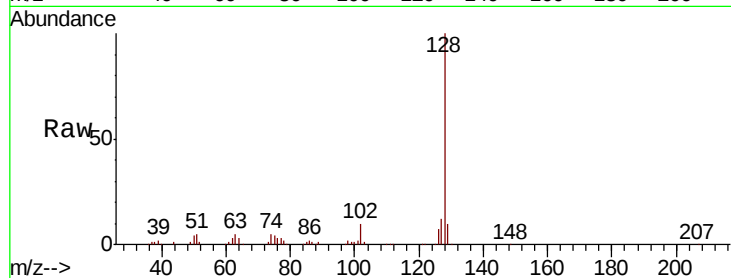




#95
Naphthalene
Concen: 21.415 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 338333
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.575 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Tgt Ion:180 Resp: 195512
Ion Ratio Lower Upper
180 100
182 100.0 49.9 149.6
145 29.5 15.2 45.5

