

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062986.D
 Acq On : 1 Jul 2019 13:25
 Operator : VA/AP
 Sample : VD0701SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS02

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						
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						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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 Misc : 5.00g/5ml/MSVOA D/SOIL
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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

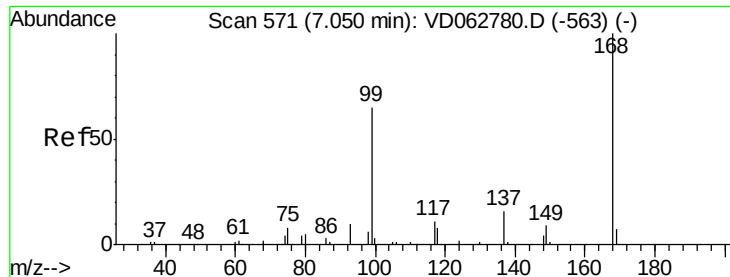
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062986.D
Acq On : 1 Jul 2019 13:25
Operator : VA/AP
Sample : VD0701SBSD02
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QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration

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 :

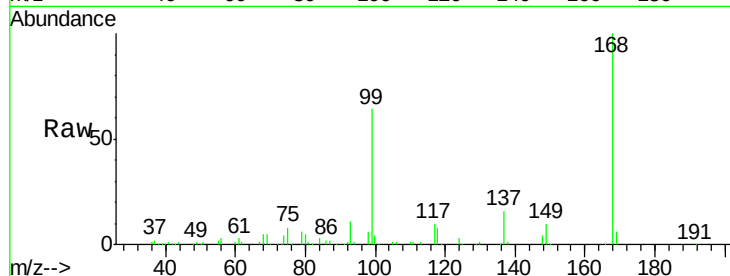
VD0701SBSD02

Tot Ion:168 Resp: 846968

Ion Ratio Lower Upper

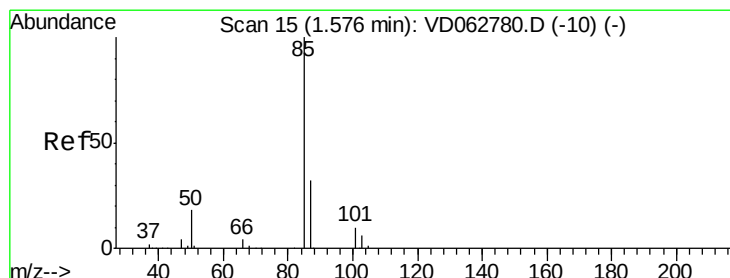
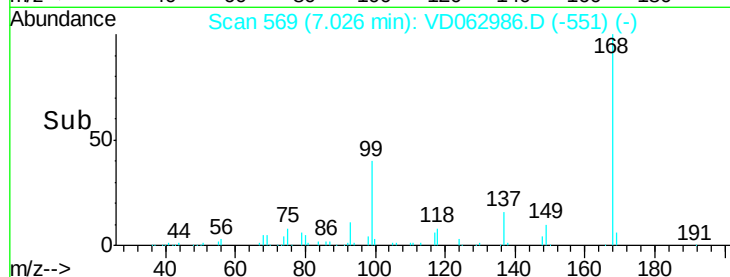
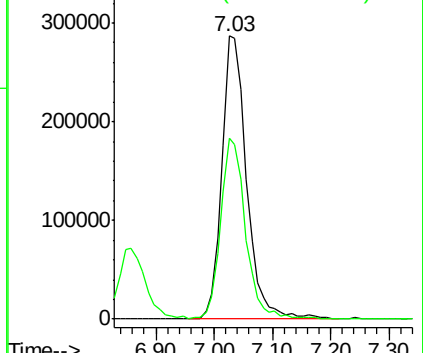
168 100

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

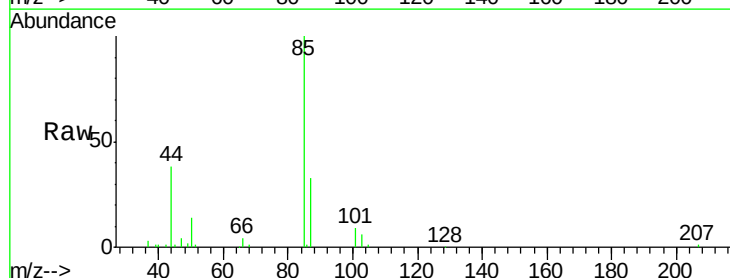
Acq: 1 Jul 2019 13:25

Tgt Ion: 85 Resp: 233462

Ion Ratio Lower Upper

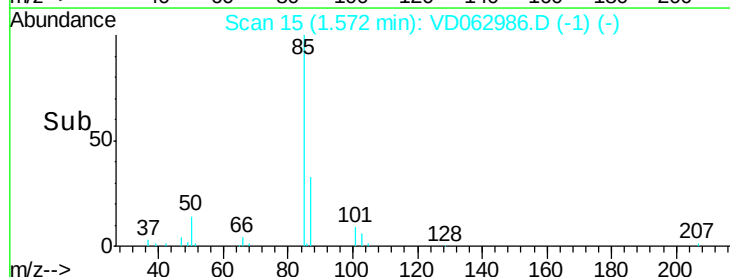
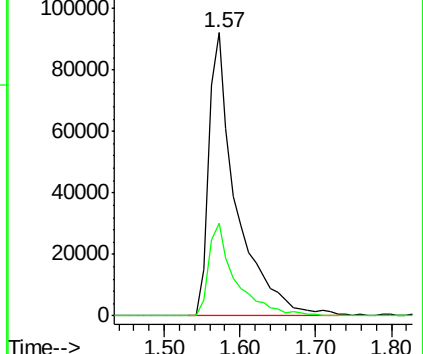
85 100

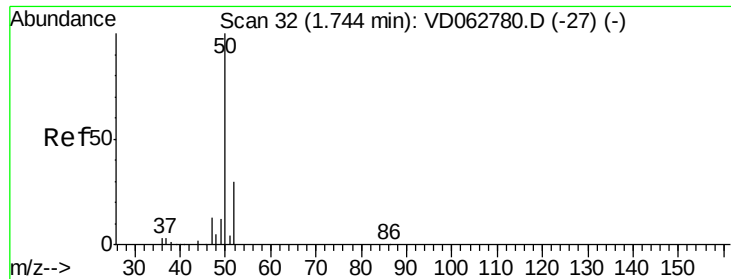
87 32.6 15.9 47.6



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 :

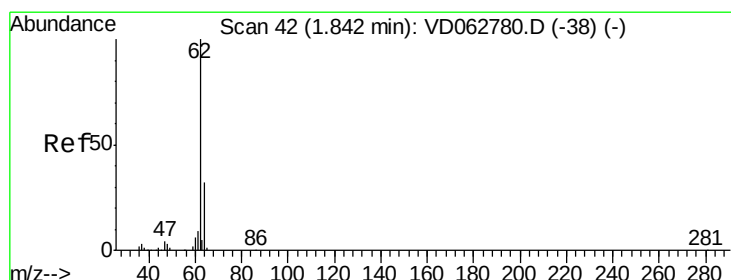
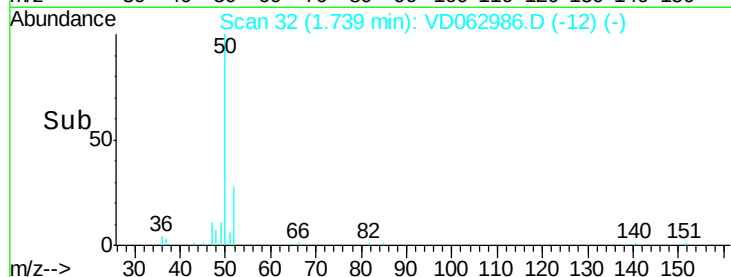
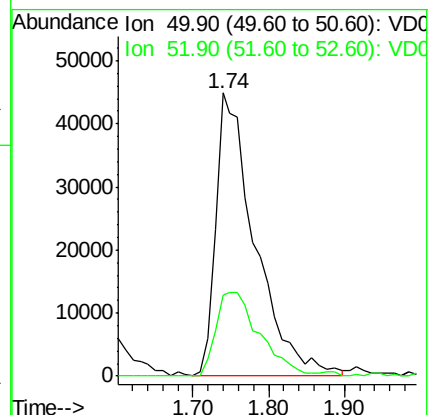
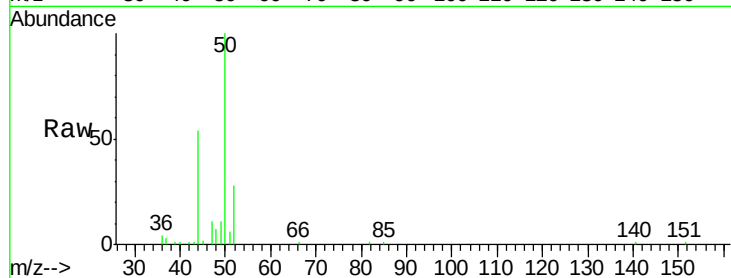
VD0701SBS02

Tot Ion: 50 Resp: 162036

Ion Ratio Lower Upper

50 100

52 28.5 23.6 35.4



#4

Vinyl Chloride

Concen: 19.547 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062986.D

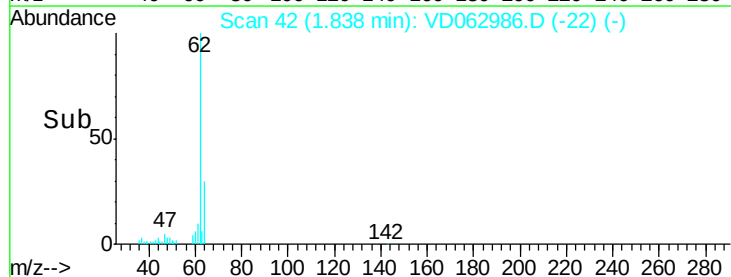
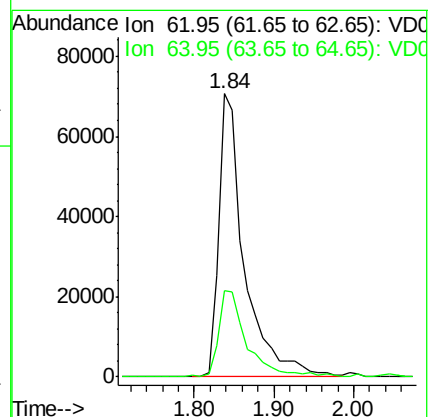
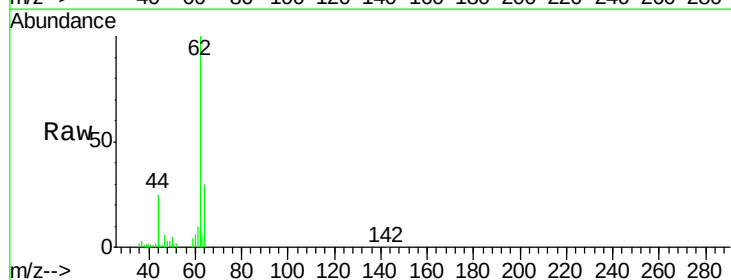
Acq: 1 Jul 2019 13:25

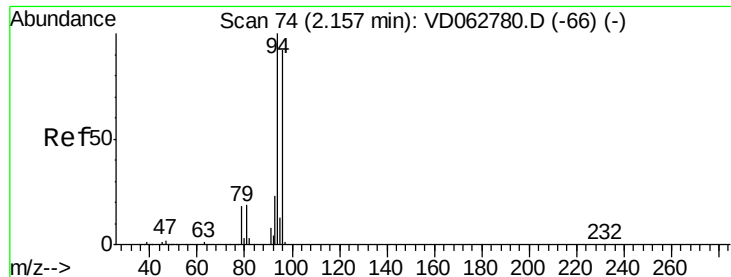
Tgt Ion: 62 Resp: 159753

Ion Ratio Lower Upper

62 100

64 30.4 25.6 38.4





#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 :

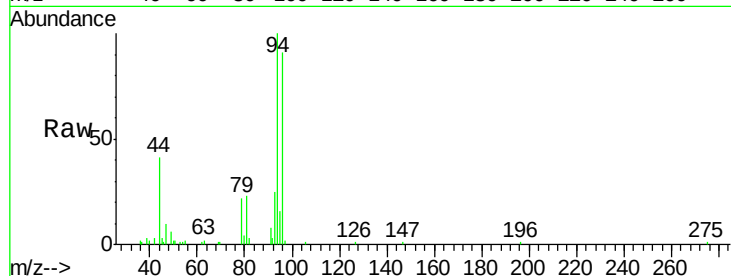
MSVOA_D

ClientSampleId :

VD0701SBSD02

Tot Ion: 94 Resp: 64136

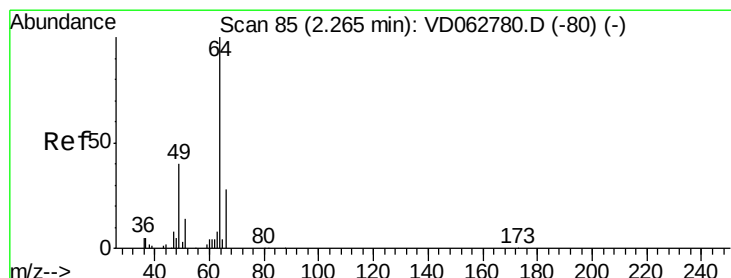
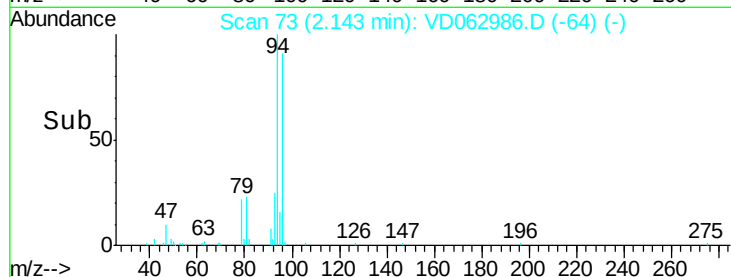
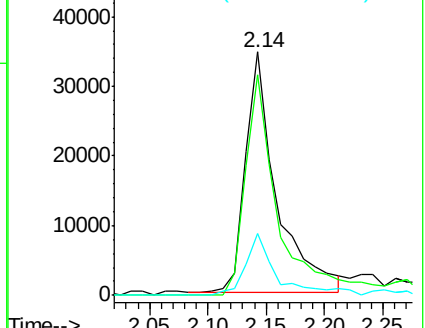
Ion	Ratio	Lower	Upper
94	100		
96	90.5	73.4	110.2
93	25.2	18.2	27.4



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

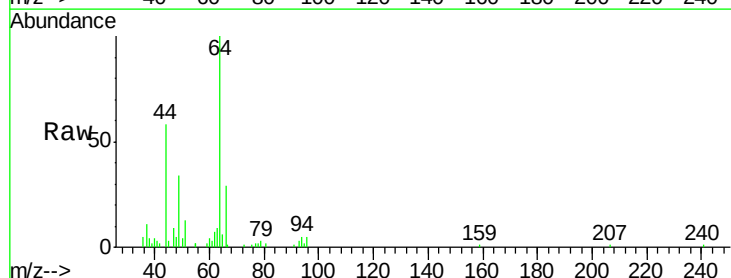
Delta R.T. -0.01 min

Lab File: VD062986.D

Acq: 1 Jul 2019 13:25

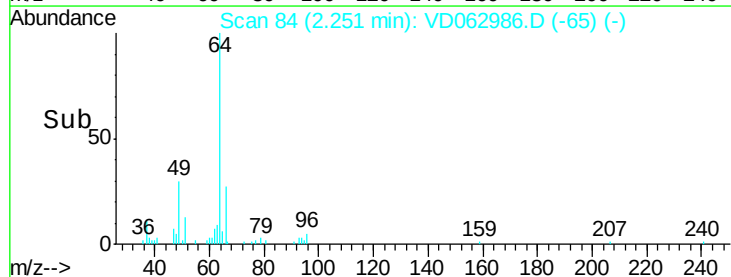
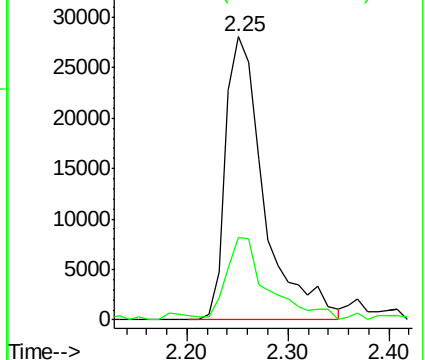
Tgt Ion: 64 Resp: 74670

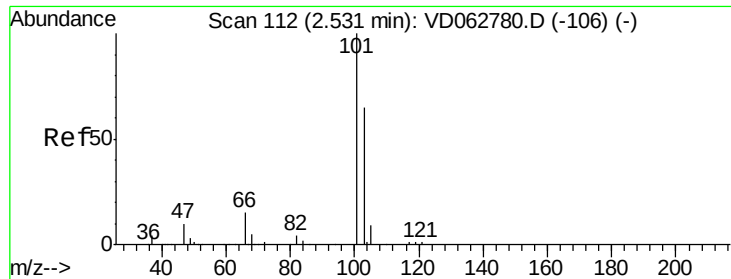
Ion	Ratio	Lower	Upper
64	100		
66	29.0	23.0	34.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



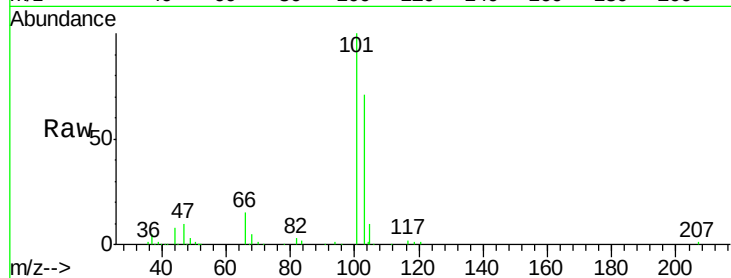


#7

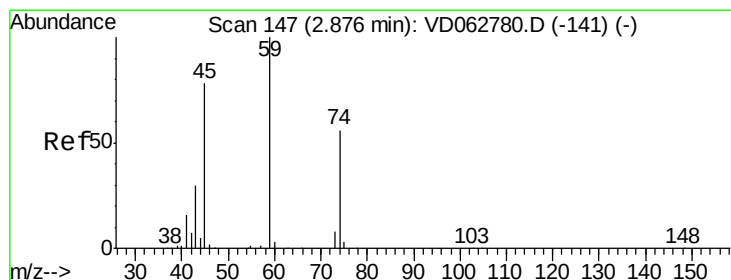
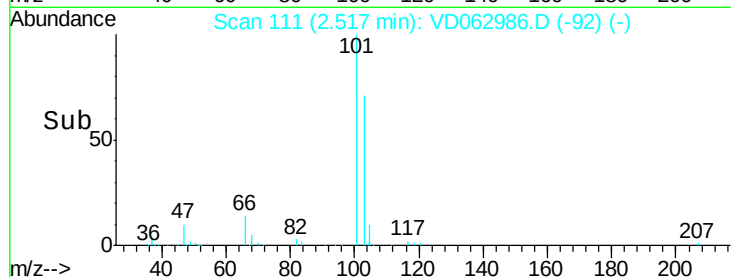
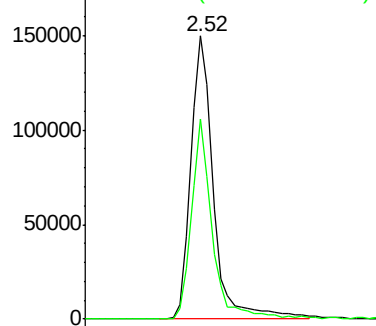
Trichlorofluoromethane
Concen: 20.625 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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



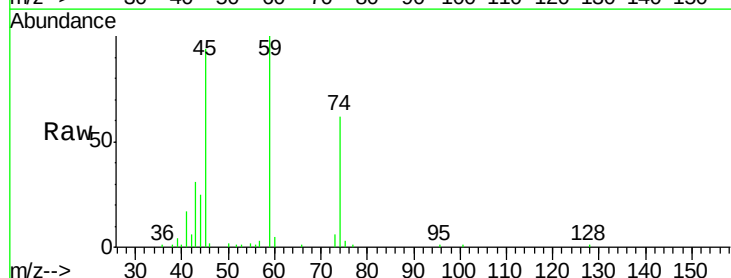
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



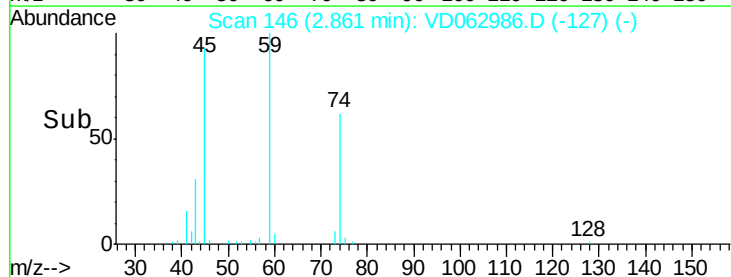
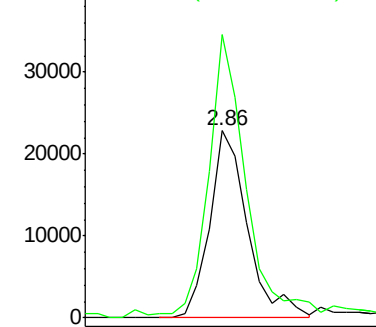
#8

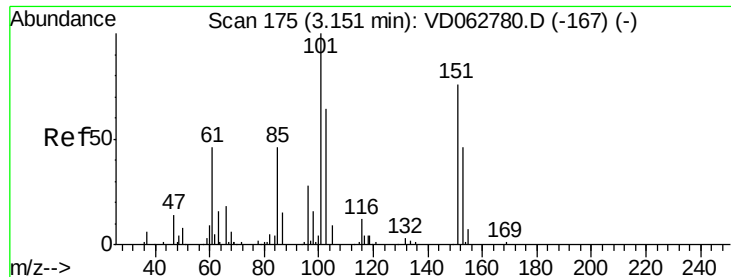
Diethyl Ether
Concen: 22.555 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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 :

VD0701SBSD02

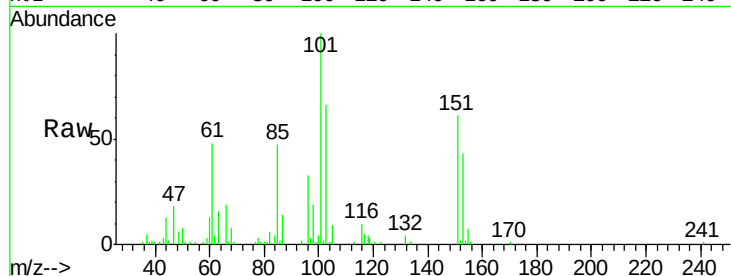
Tot Ion:101 Resp: 170174

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.4

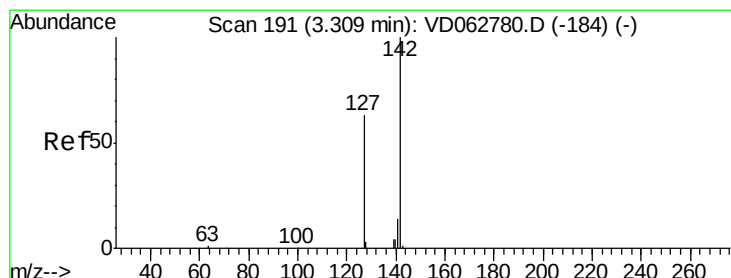
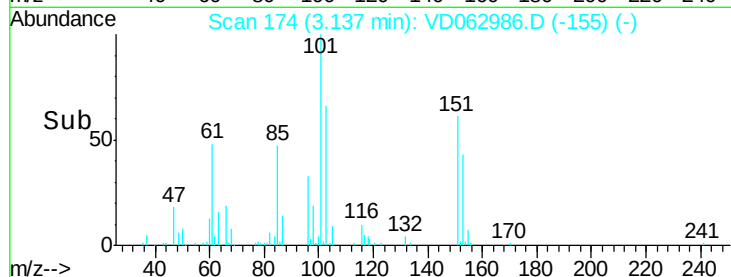
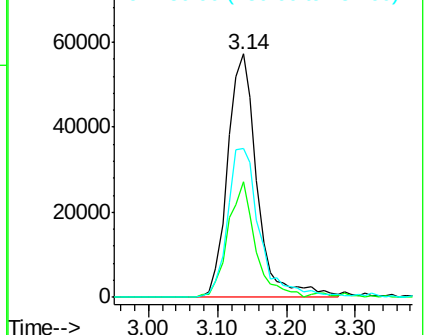
151 61.1 60.5 90.7



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

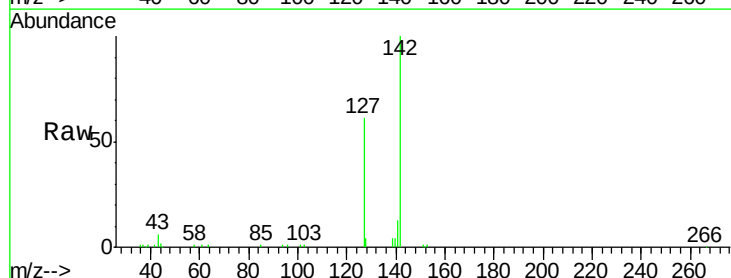
Tgt Ion:142 Resp: 216573

Ion Ratio Lower Upper

142 100

127 60.9 50.1 75.1

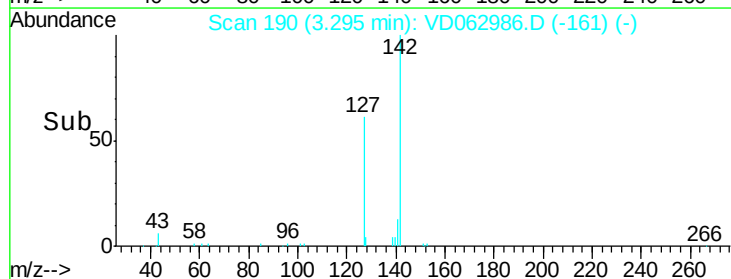
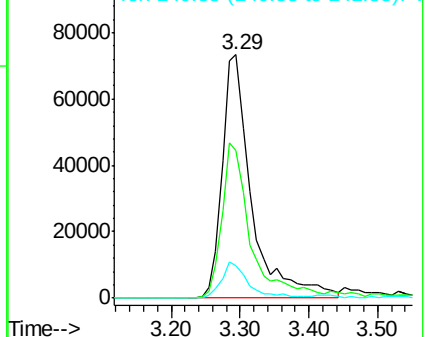
141 13.4 11.0 16.4

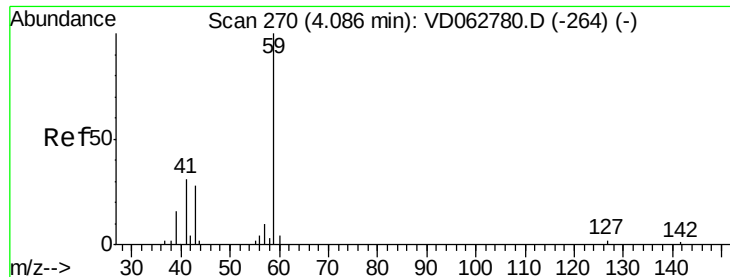


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



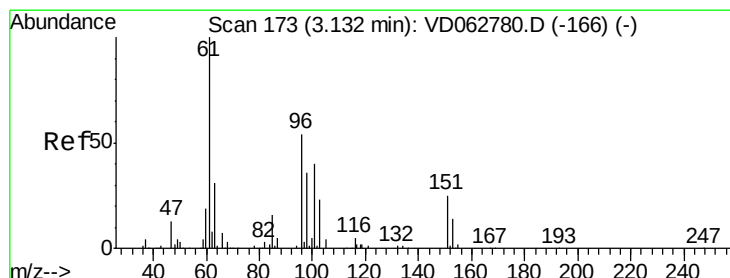
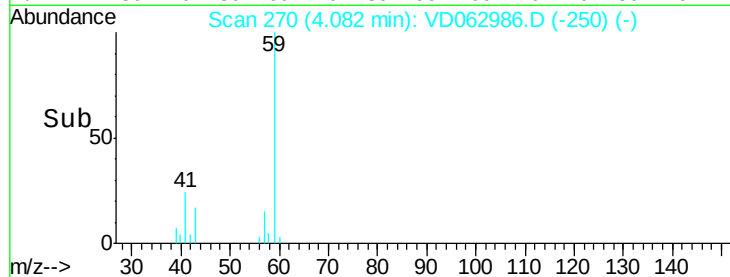
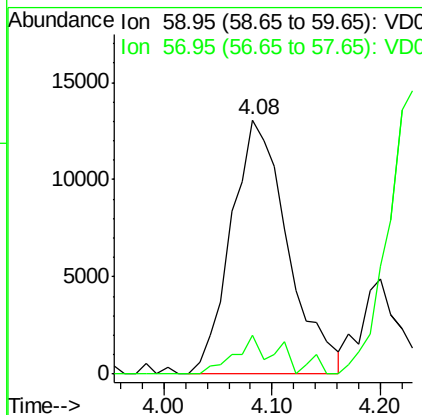
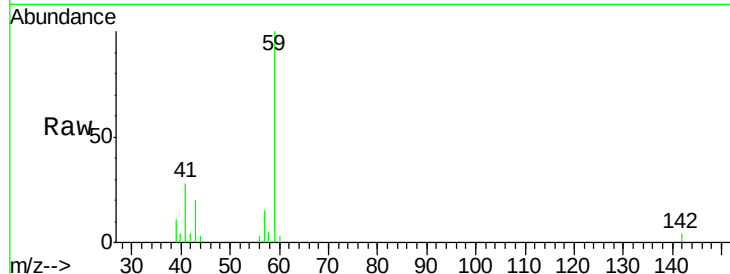


#11

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 :
 VD0701SBSD02

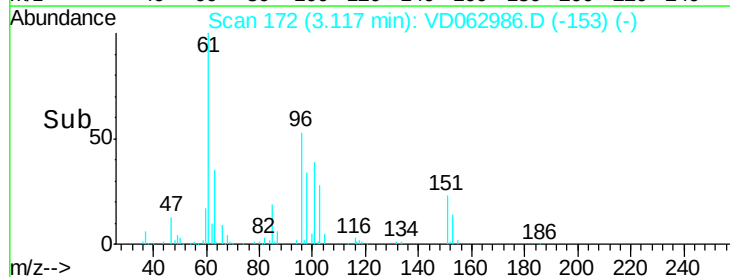
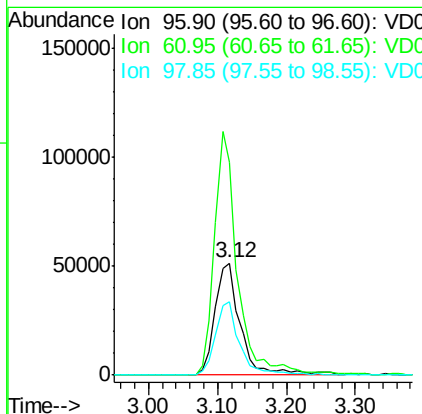
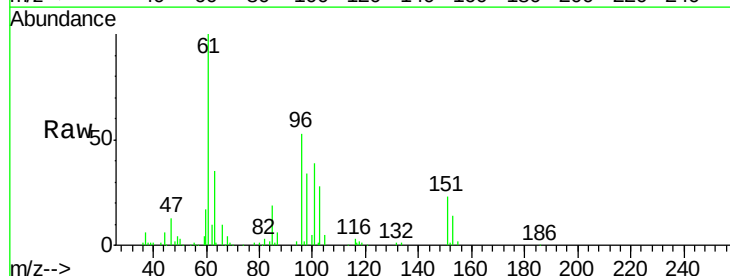
Tot Ion: 59 Resp: 47404
 Ion Ratio Lower Upper
 59 100
 57 15.1 6.6 10.0#

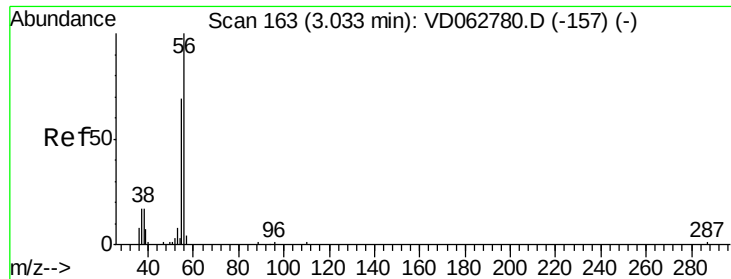


#12

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 :

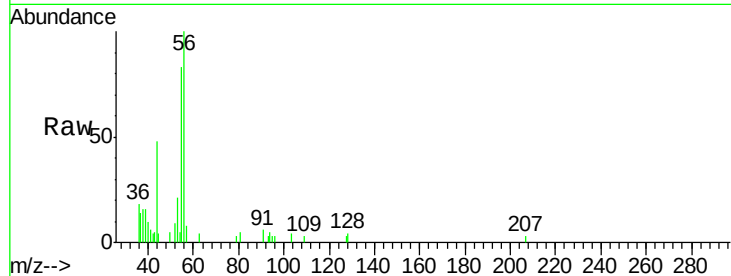
VD0701SBS02

Tot Ion: 56 Resp: 30077

Ion Ratio Lower Upper

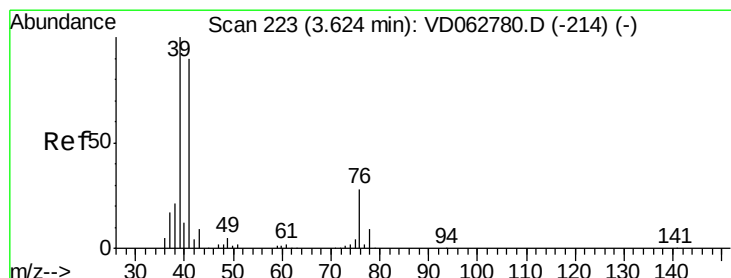
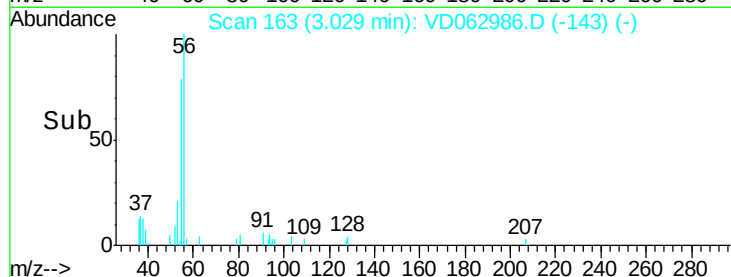
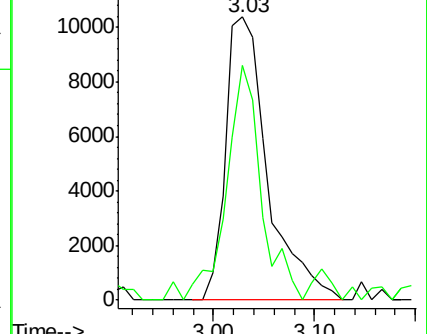
56 100

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

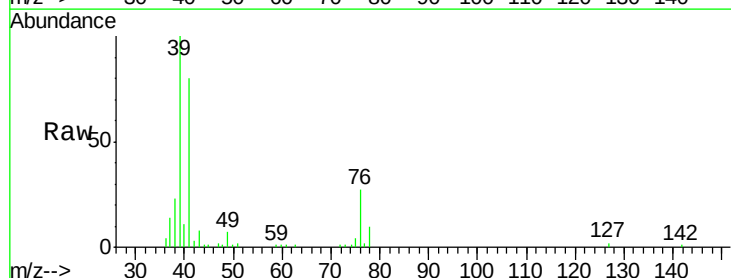
Tgt Ion: 41 Resp: 198940

Ion Ratio Lower Upper

41 100

39 125.0 88.8 133.2

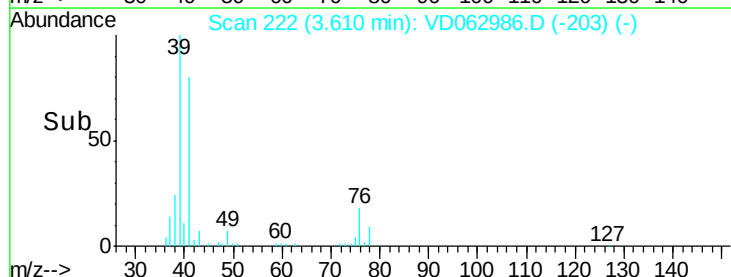
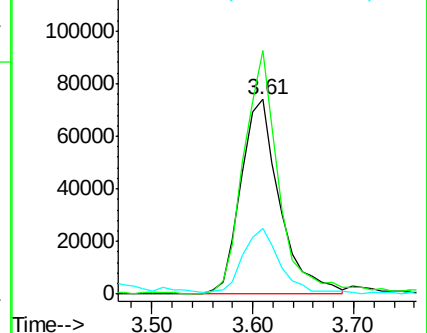
76 33.8 26.7 40.1

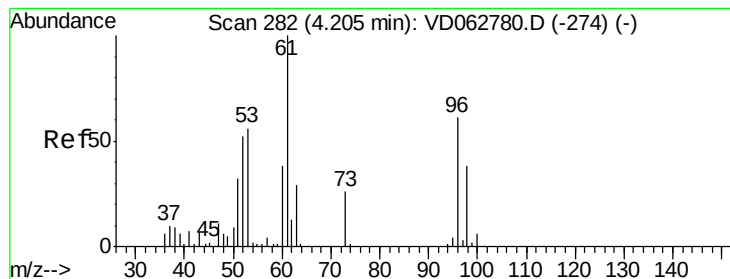


Abundance Ion 41.05 (40.75 to 41.75): VDC

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 :

VD0701SBS02

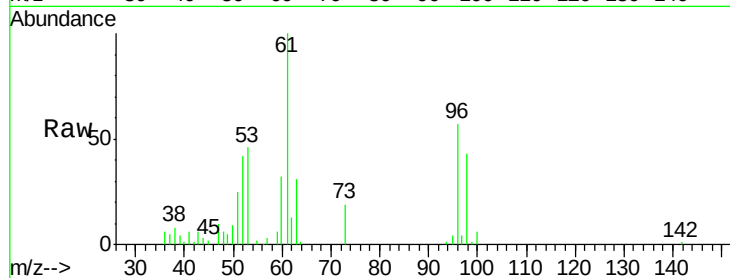
Tot Ion: 53 Resp: 104749

Ion Ratio Lower Upper

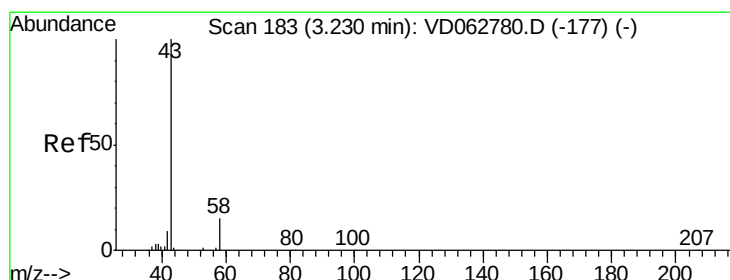
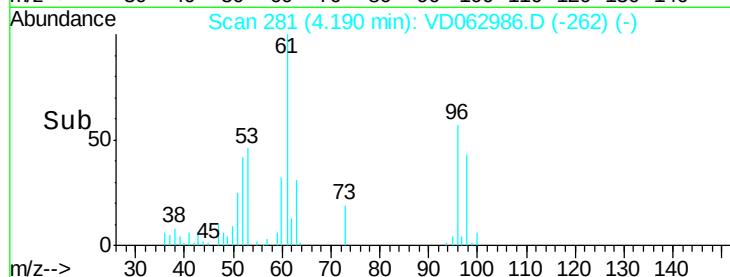
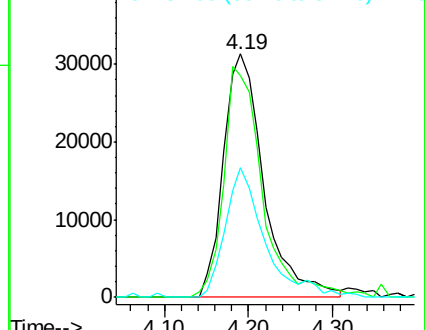
53 100

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

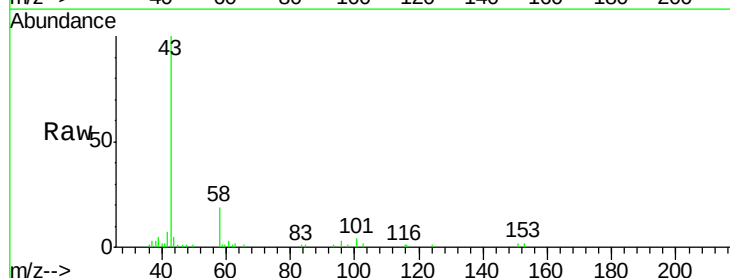
Acq: 1 Jul 2019 13:25

Tgt Ion: 43 Resp: 174211

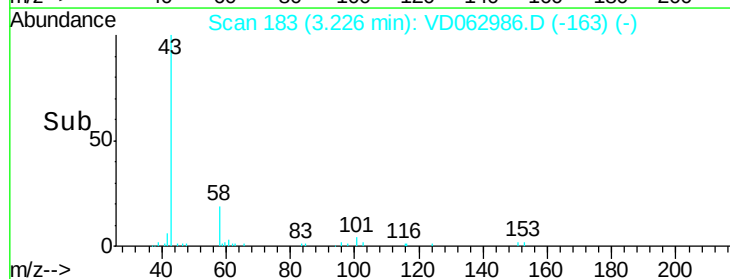
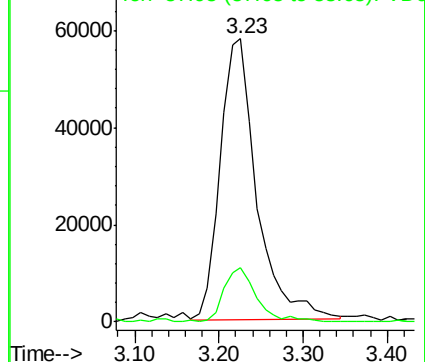
Ion Ratio Lower Upper

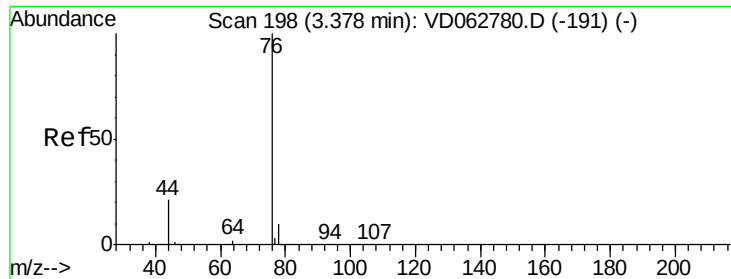
43 100

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

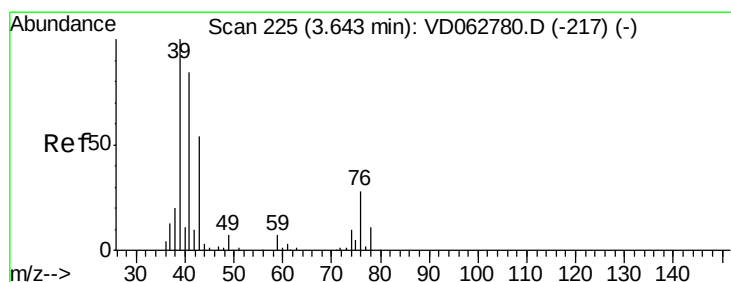
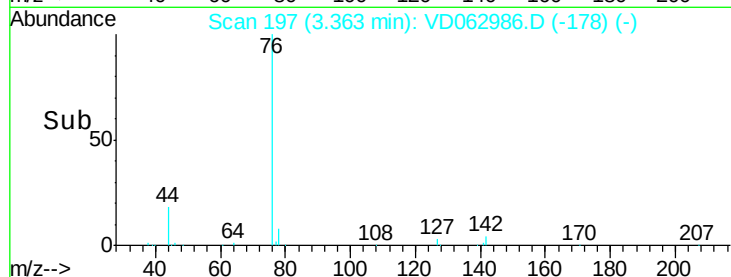
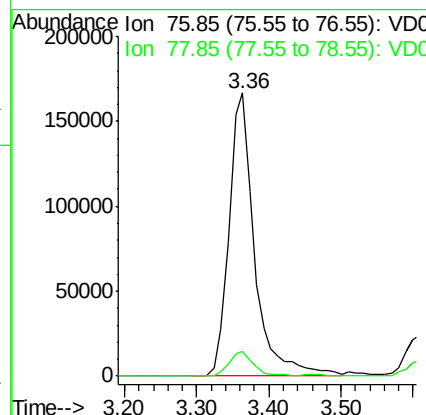
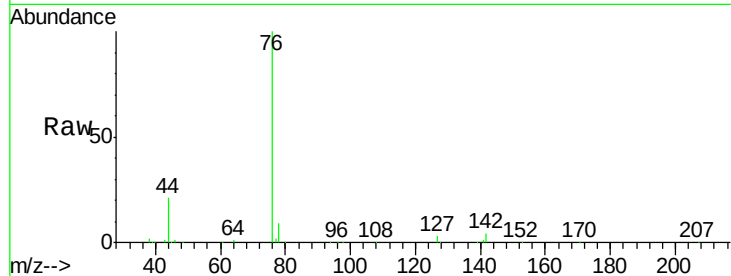




#17
Carbon Disulfide
Concen: 19.079 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

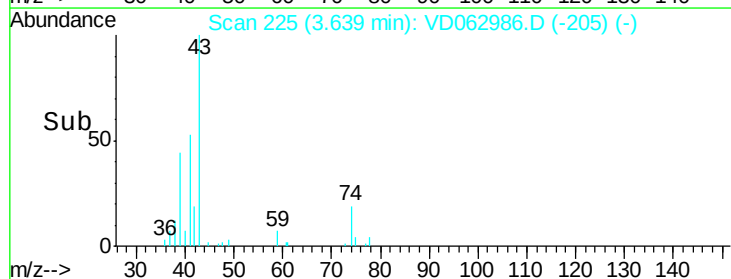
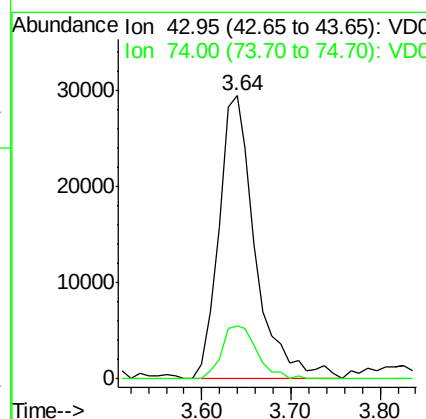
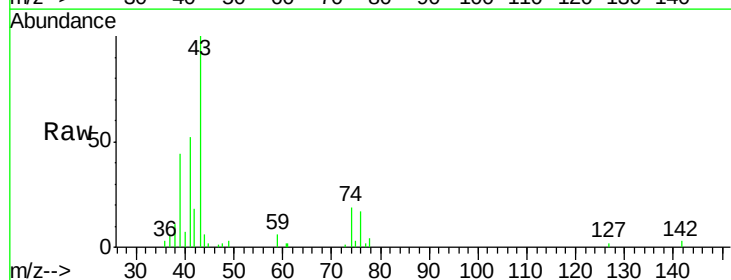
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

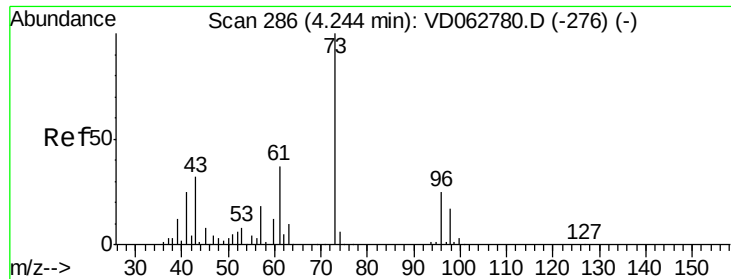
Tot Ion: 76 Resp: 409871
Ion Ratio Lower Upper
76 100
78 8.8 8.0 12.0



#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

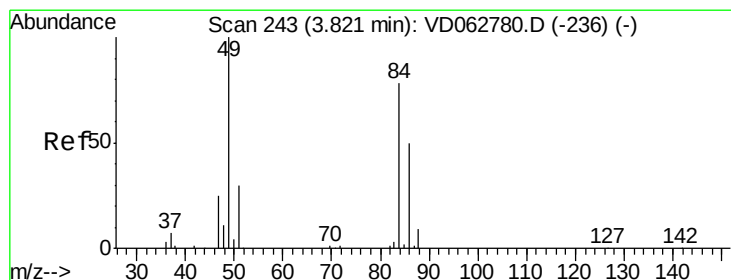
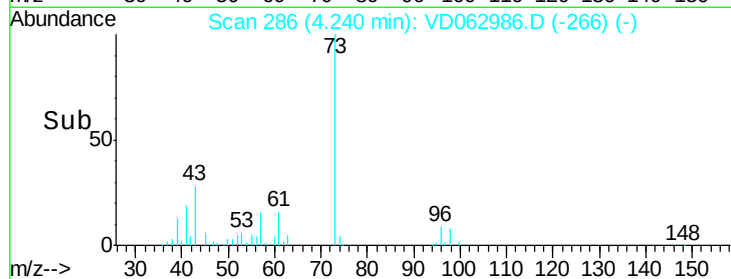
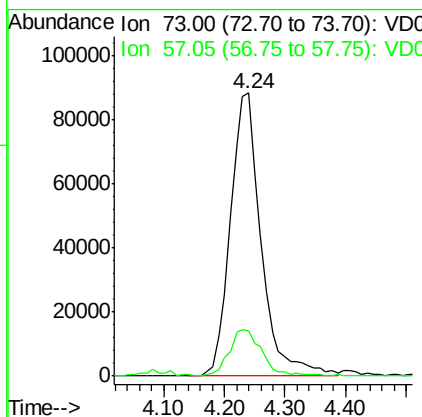
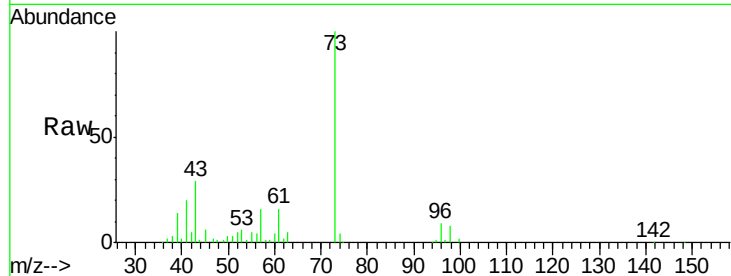




#19
Methvl tert-butyl Ether
Concen: 21.362 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

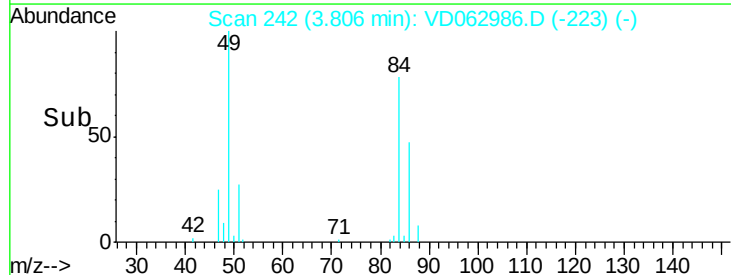
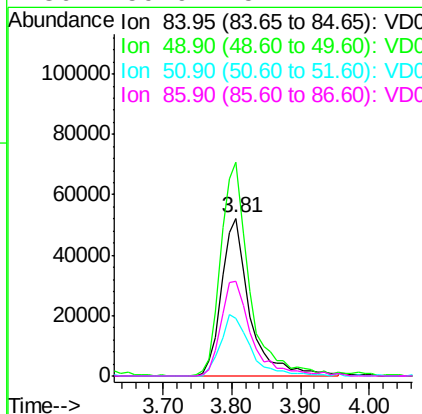
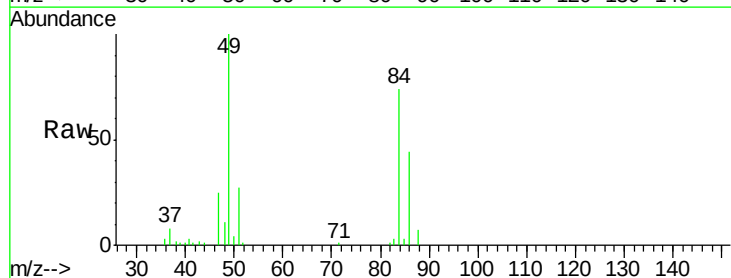
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

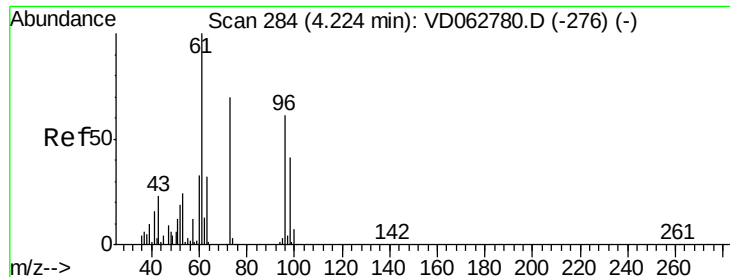
Tot Ion: 73 Resp: 310844
Ion Ratio Lower Upper
73 100
57 15.9 14.3 21.5



#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 :

VD0701SBSD02

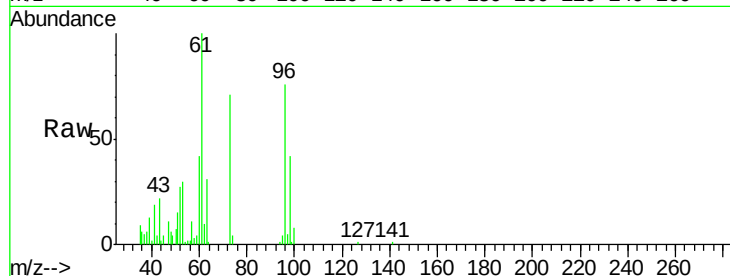
Tot Ion: 96 Resp: 145994

Ion Ratio Lower Upper

96 100

61 131.1 131.0 196.4

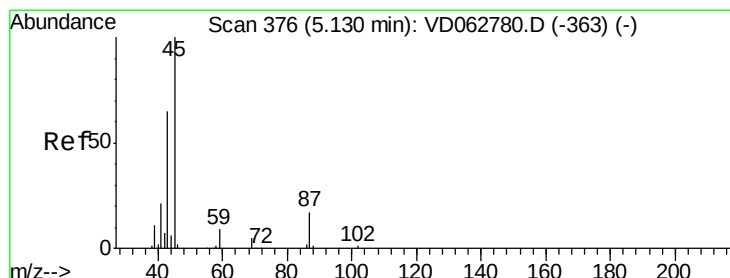
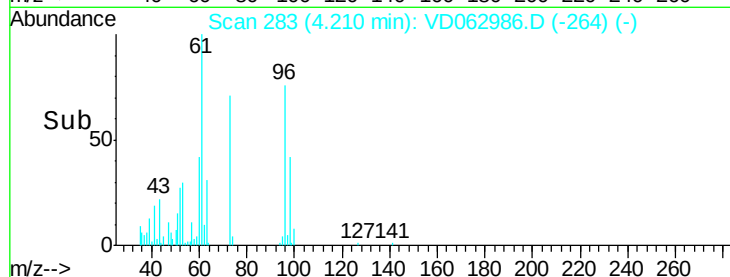
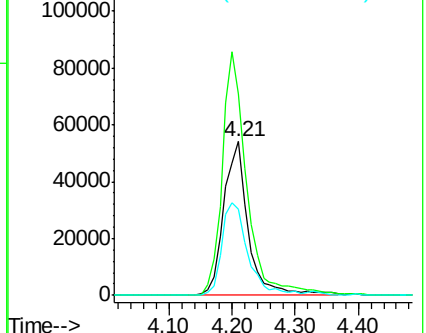
98 55.7 53.2 79.8



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

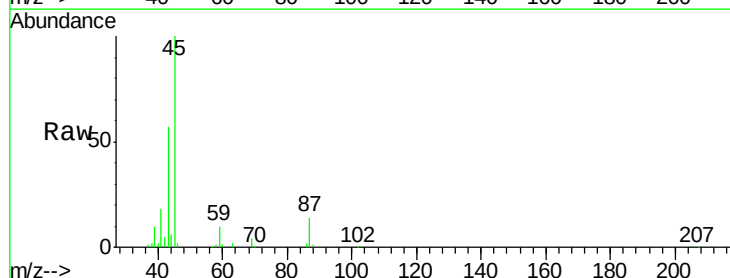
Ion Ratio Lower Upper

45 100

43 57.5 53.4 80.0

87 14.5 14.6 22.0#

59 10.2 7.8 11.8

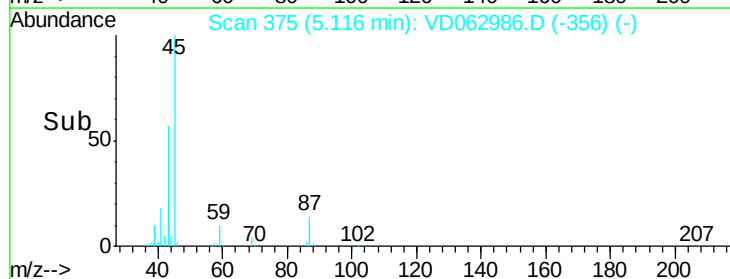
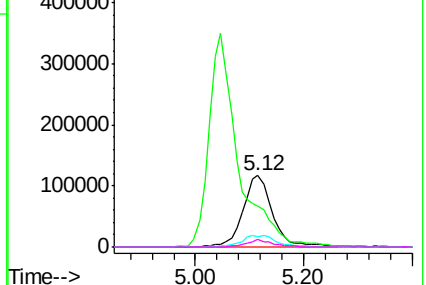


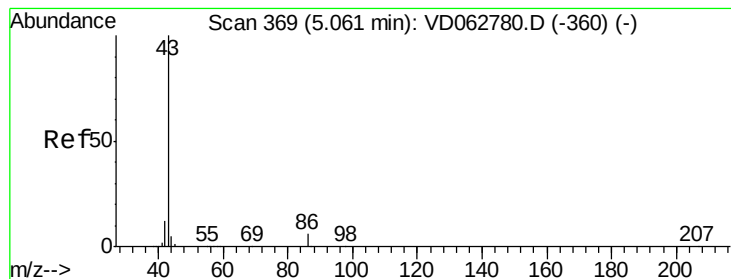
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

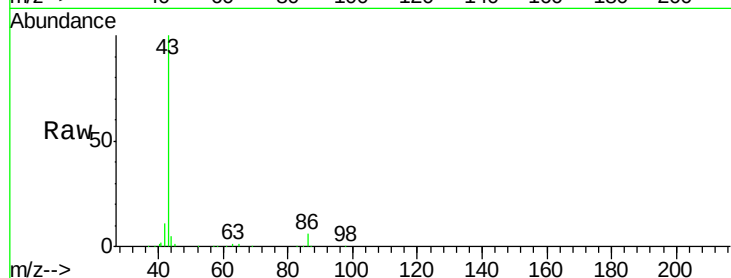
VD0701SBSD02

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

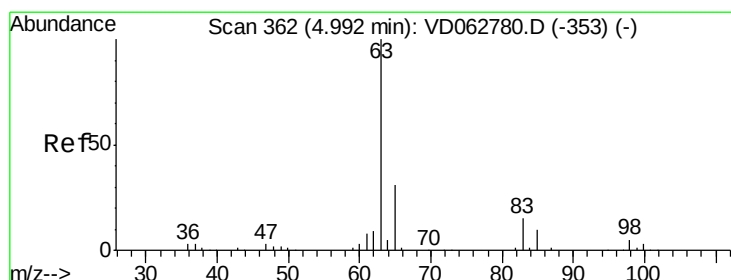
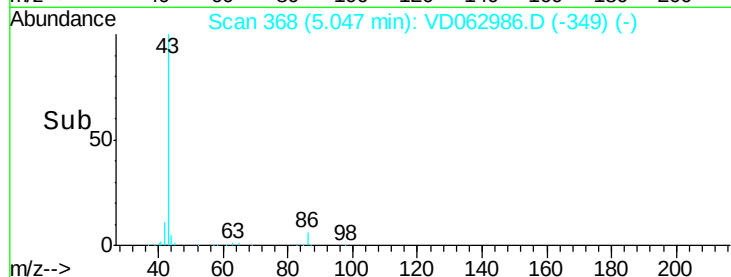
300000

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

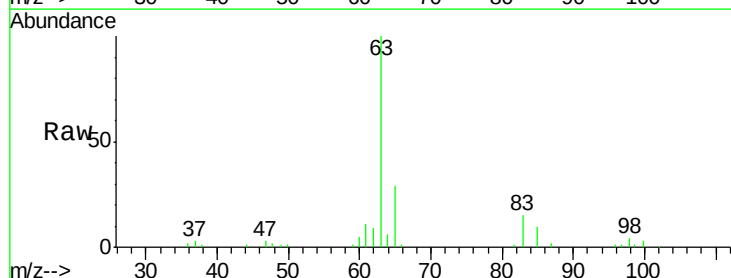
Tgt Ion: 63 Resp: 277446

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

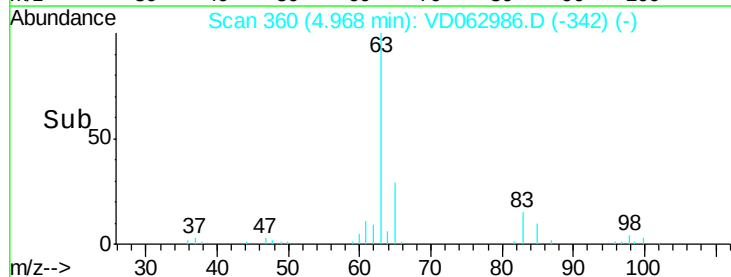
60000

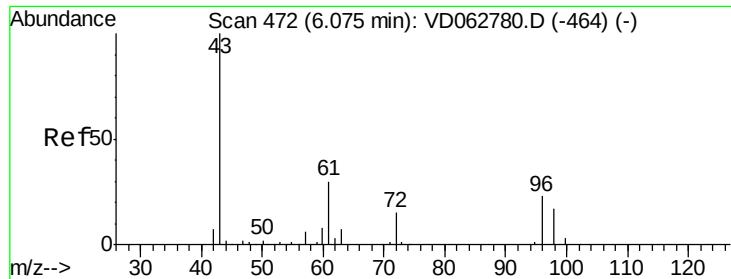
40000

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 :

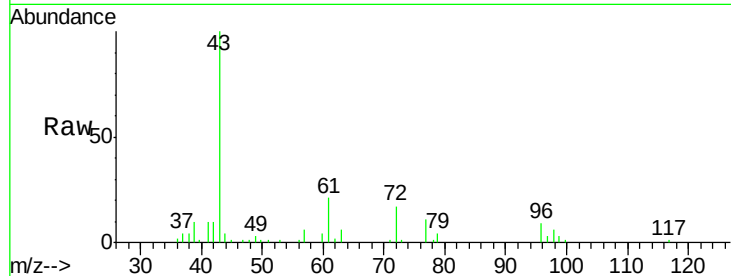
VD0701SBSD02

Tot Ion: 43 Resp: 178542

Ion Ratio Lower Upper

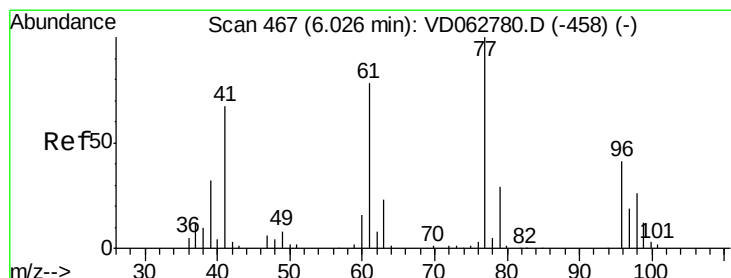
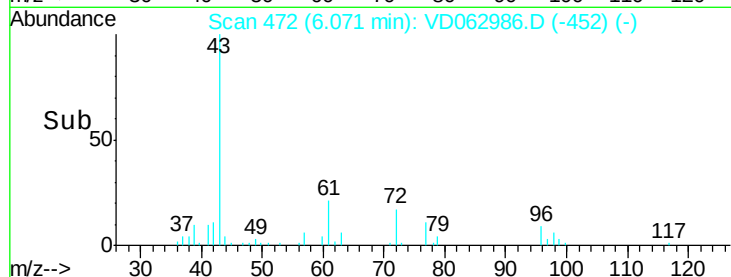
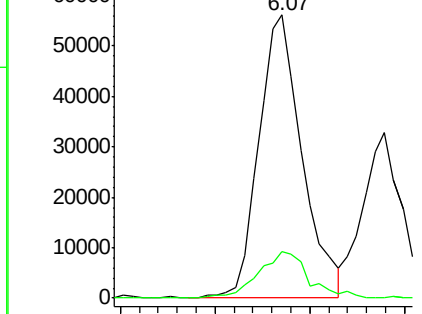
43 100

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

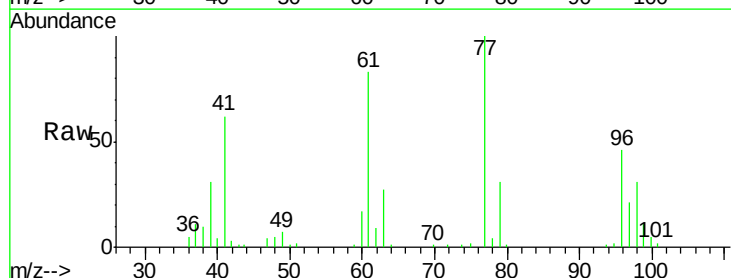
Acq: 1 Jul 2019 13:25

Tgt Ion: 77 Resp: 295708

Ion Ratio Lower Upper

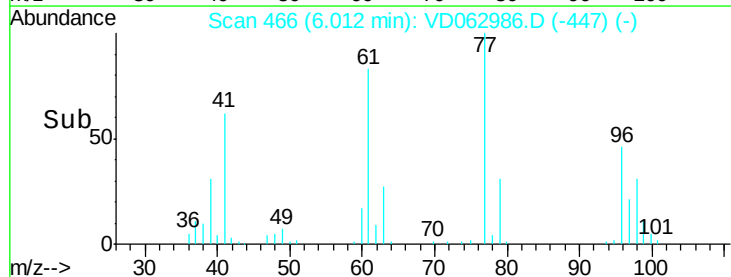
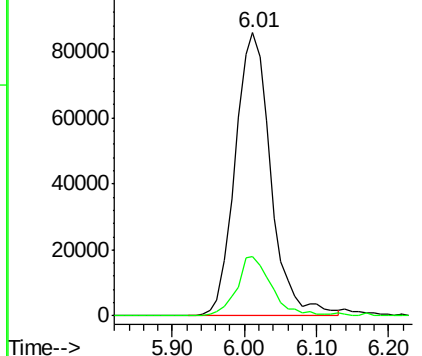
77 100

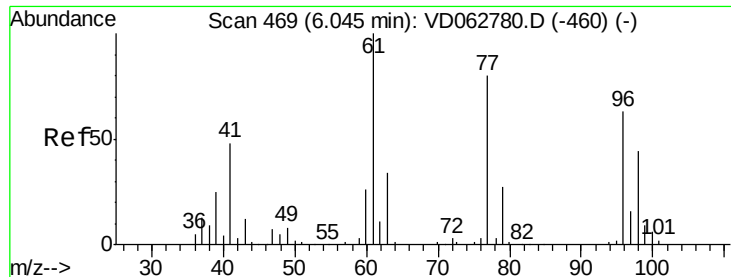
97 20.9 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



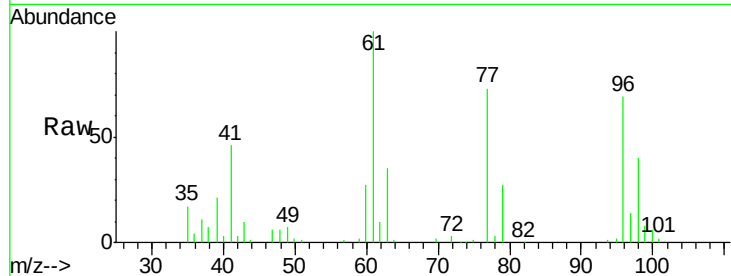


#27

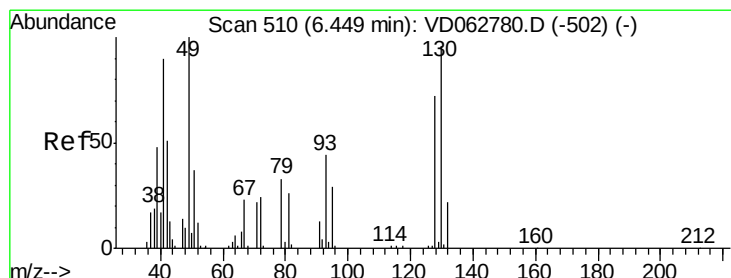
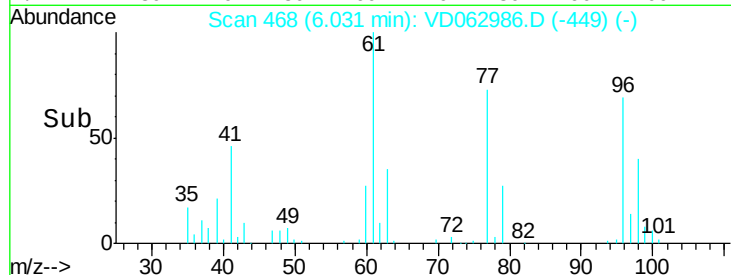
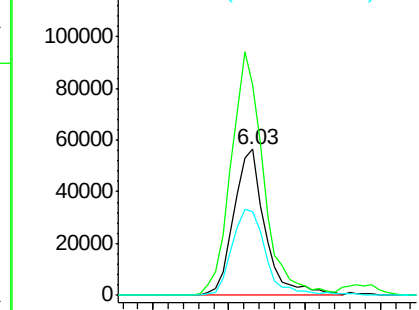
cis-1,2-Dichloroethene
 Concen: 21.301 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

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



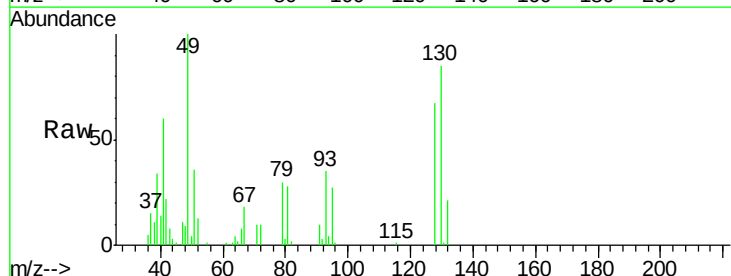
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



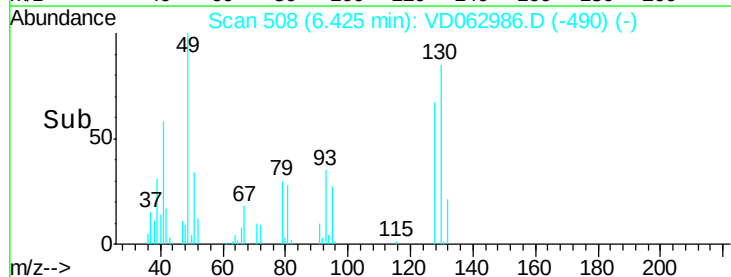
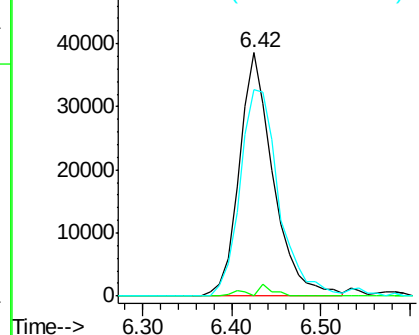
#28

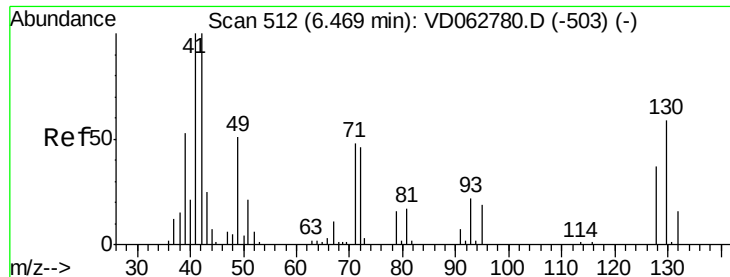
Bromochloromethane
 Concen: 22.018 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

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): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#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 :

VD0701SBSD02

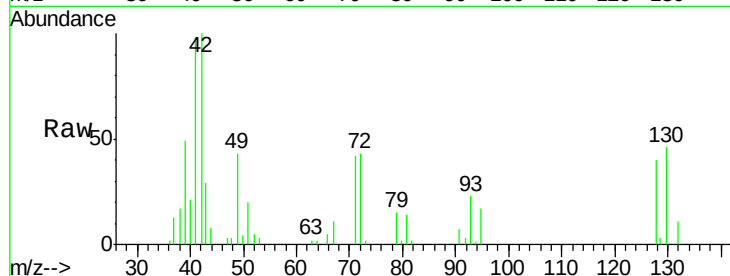
Tot Ion: 42 Resp: 89423

Ion Ratio Lower Upper

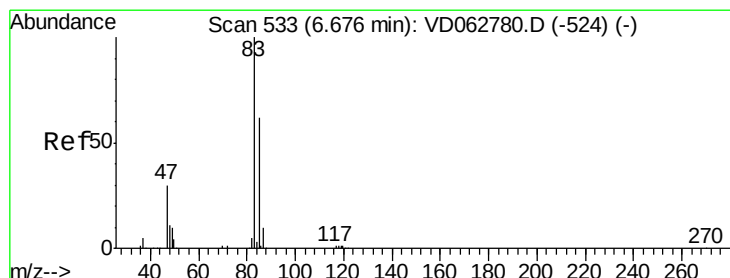
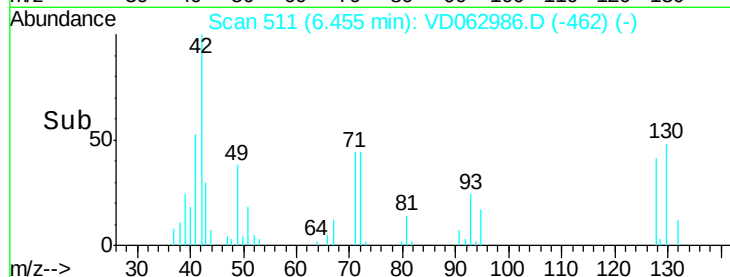
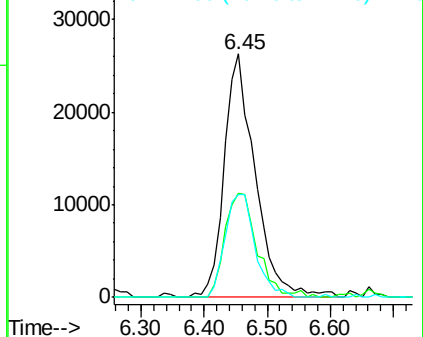
42 100

72 43.5 35.0 52.6

71 41.1 33.3 49.9



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



#30

Chloroform

Concen: 21.055 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD062986.D

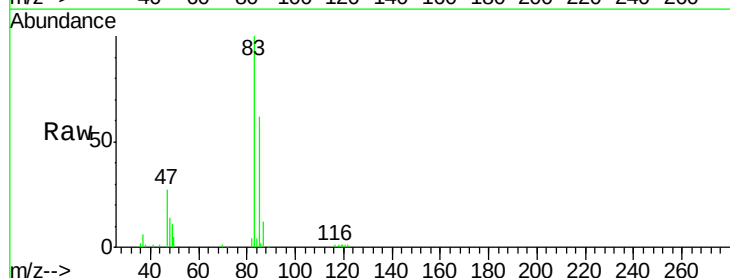
Acq: 1 Jul 2019 13:25

Tgt Ion: 83 Resp: 336744

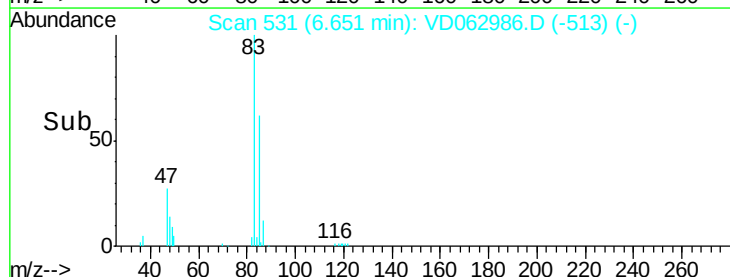
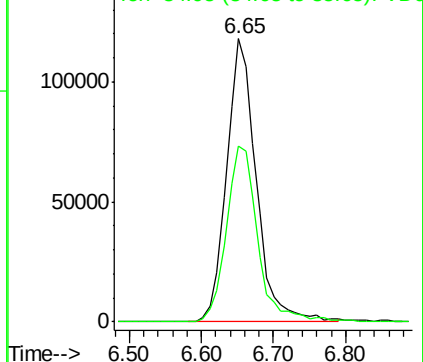
Ion Ratio Lower Upper

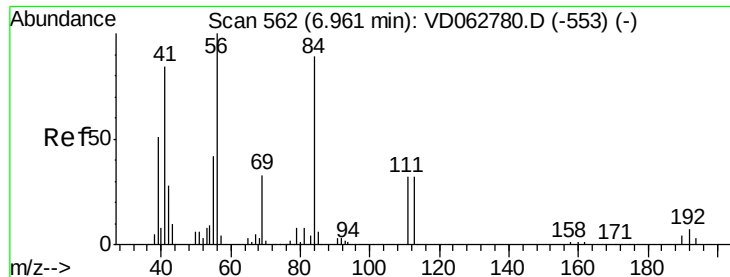
83 100

85 62.0 49.8 74.6



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

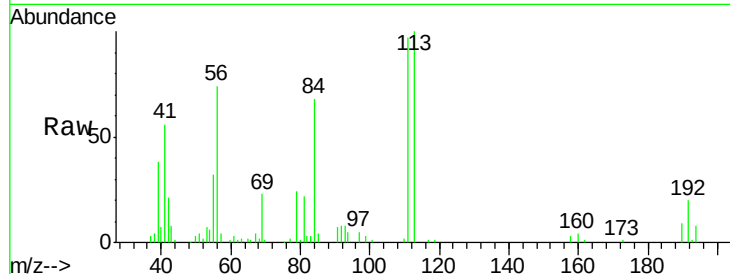




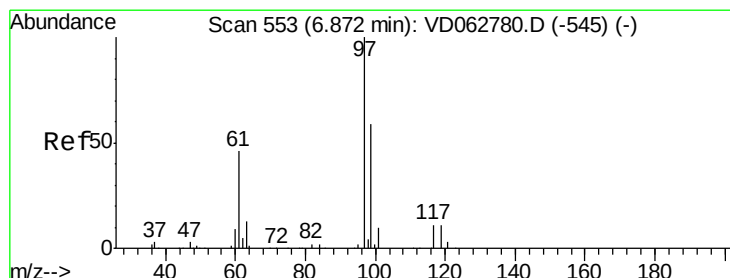
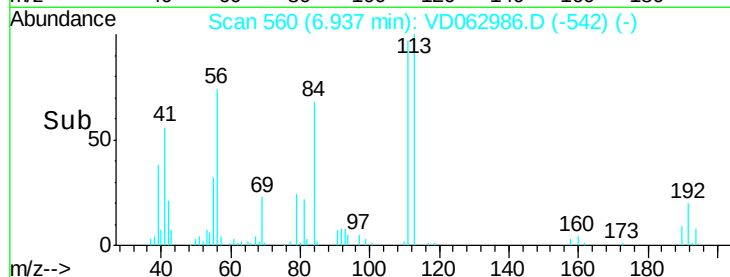
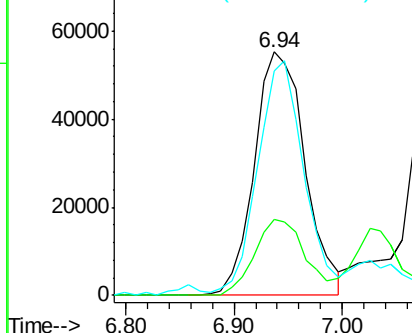
#31
Cyclohexane
Concen: 20.767 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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

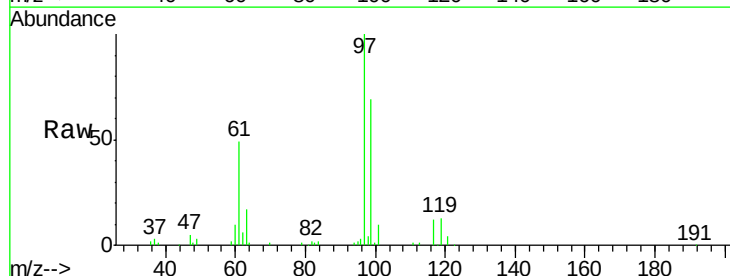


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

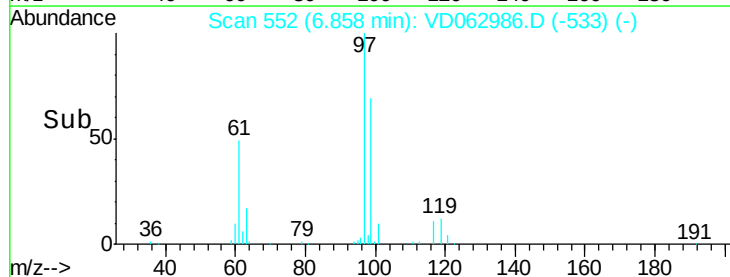
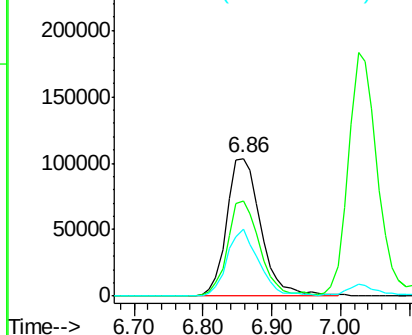


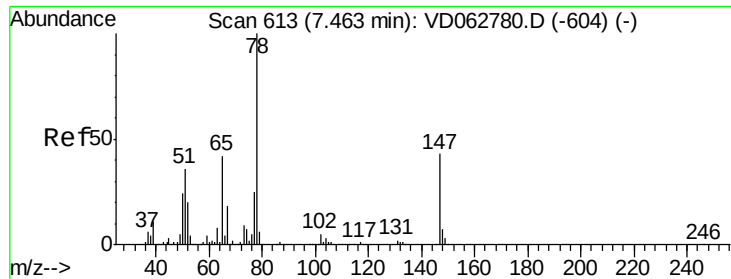
#32
1,1,1-Trichloroethane
Concen: 21.357 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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 :

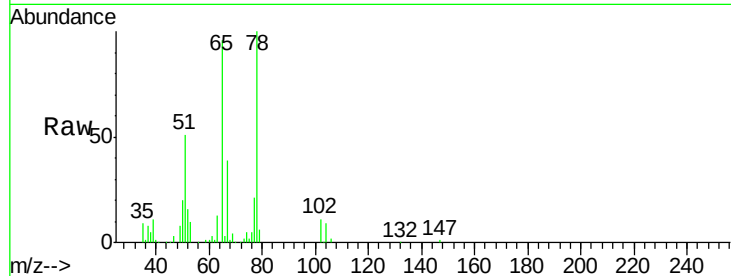
VD0701SBSD02

Tot Ion: 65 Resp: 436901

Ion Ratio Lower Upper

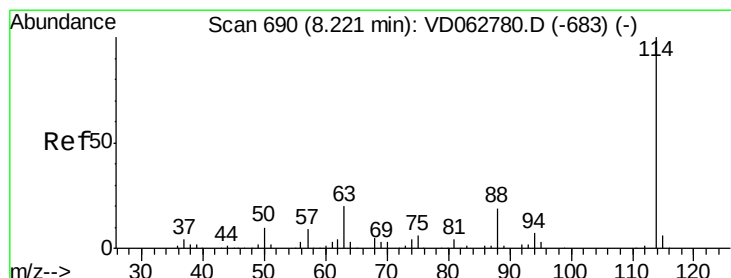
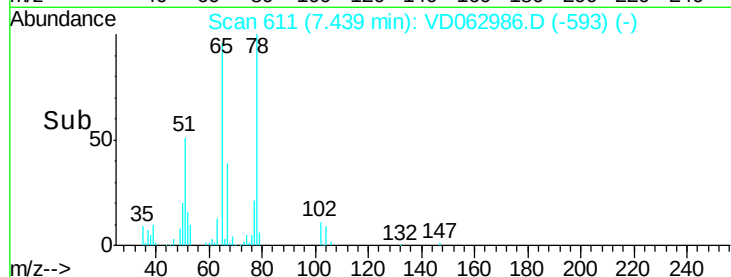
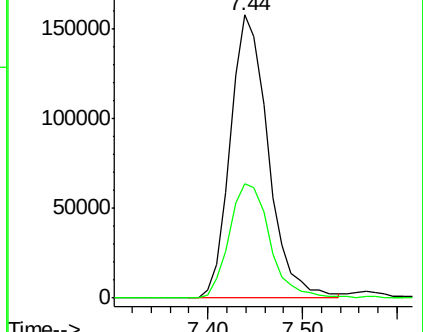
65 100

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

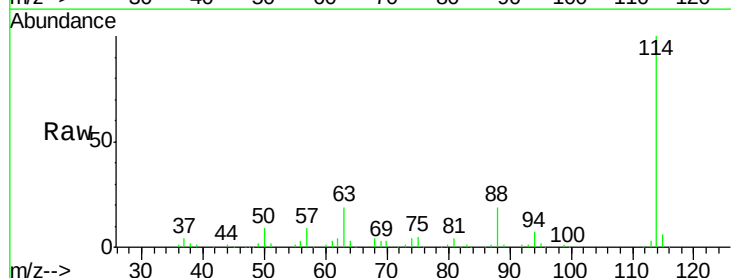
Tgt Ion: 114 Resp: 1054726

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

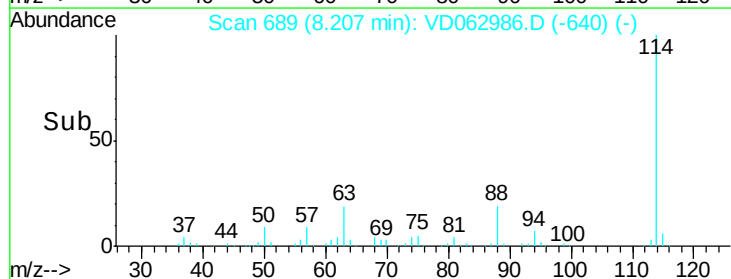
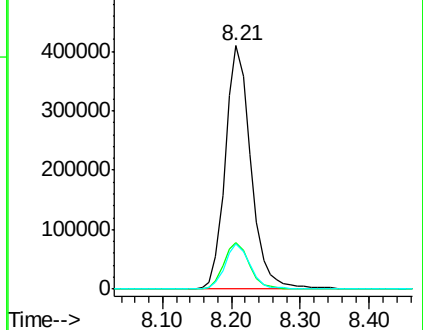
88 18.5 0.0 38.8

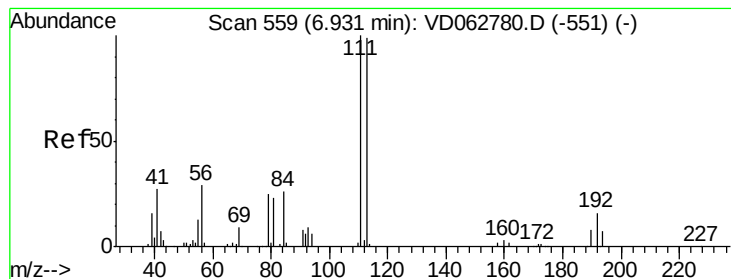


Abundance Ion 114.00 (113.70 to 114.70): V

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 :

VD0701SBSD02

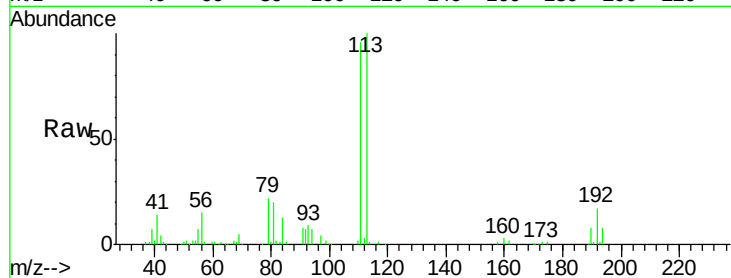
Tot Ion:113 Resp: 477112

Ion Ratio Lower Upper

113 100

111 95.6 81.2 121.8

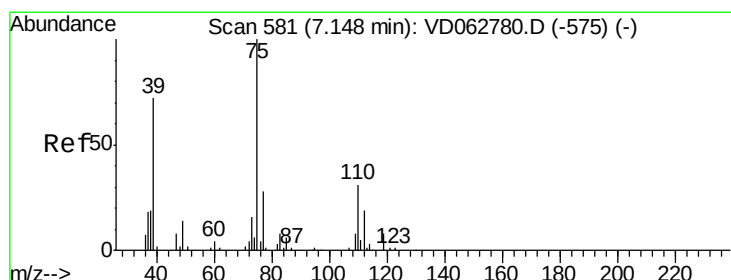
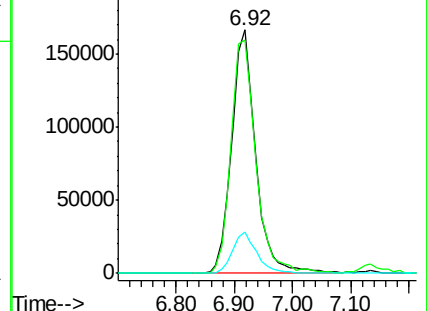
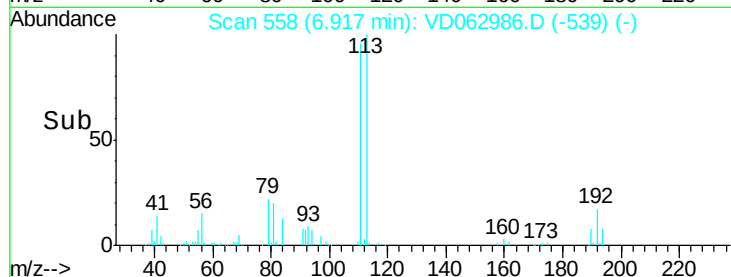
192 16.7 12.9 19.3



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 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

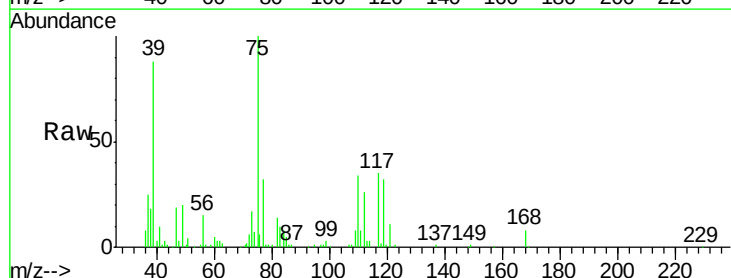
Tgt Ion: 75 Resp: 218752

Ion Ratio Lower Upper

75 100

110 33.6 15.0 45.1

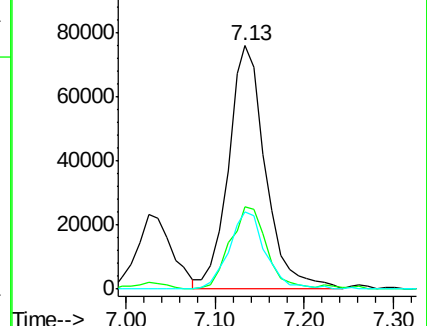
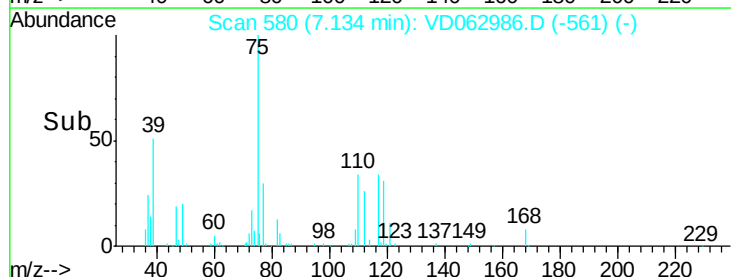
77 31.6 22.2 33.2

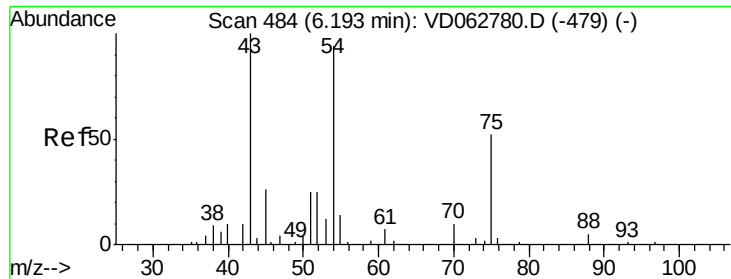


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

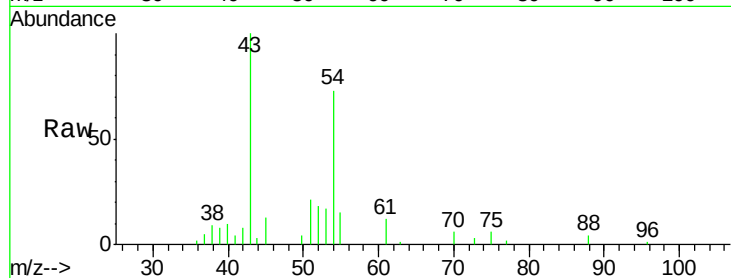




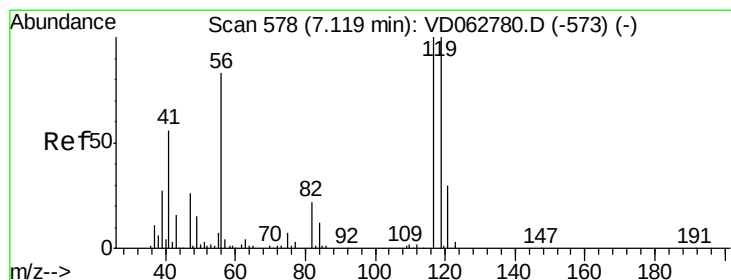
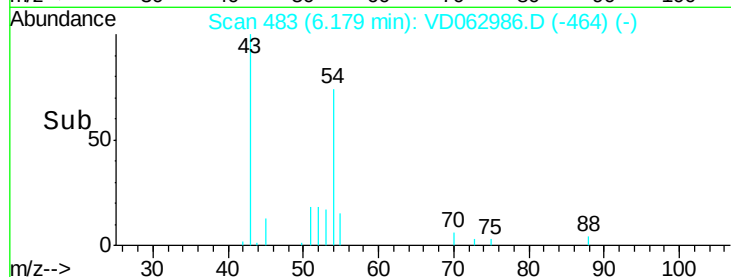
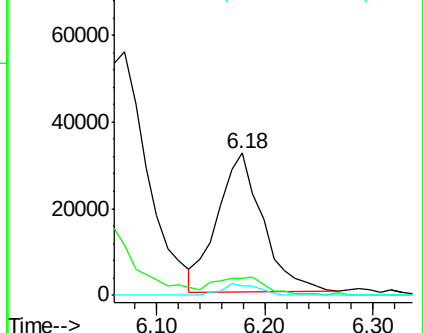
#37
Ethyl Acetate
Concen: 21.451 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleID :
VD0701SBS02

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#

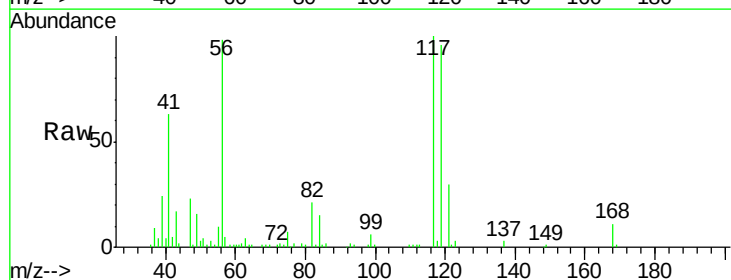


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

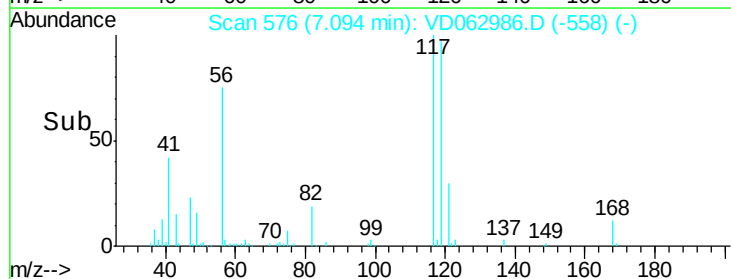
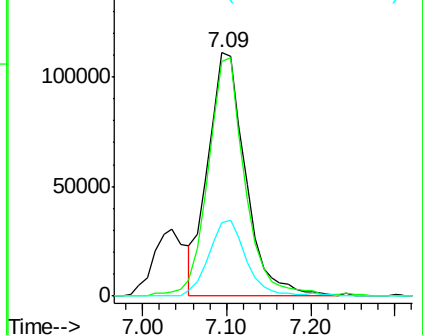


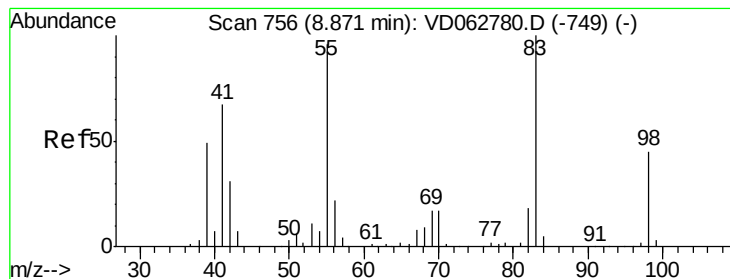
#38
Carbon Tetrachloride
Concen: 22.865 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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

Methylvlcyclohexane

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 :

VD0701SBS02

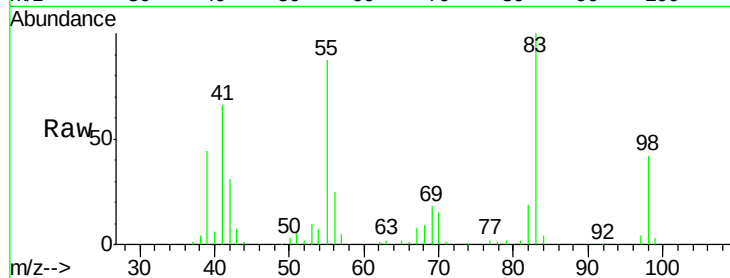
Tot Ion: 83 Resp: 209085

Ion Ratio Lower Upper

83 100

55 86.5 76.6 115.0

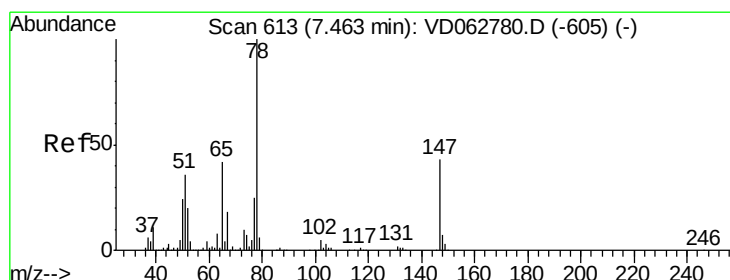
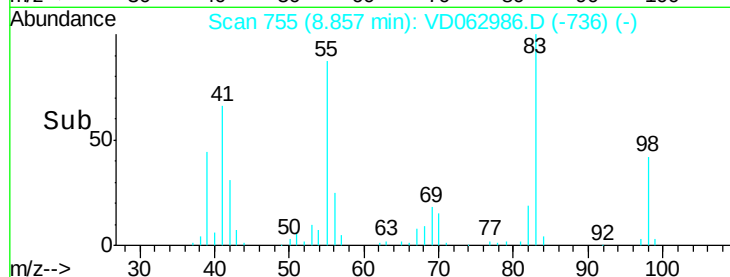
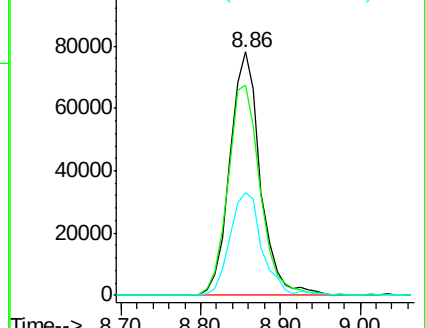
98 42.0 35.7 53.5



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

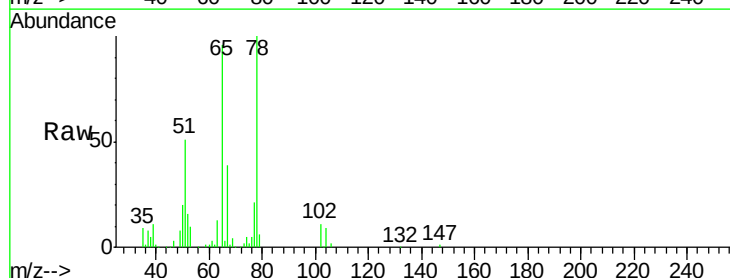
Acq: 1 Jul 2019 13:25

Tgt Ion: 78 Resp: 440219

Ion Ratio Lower Upper

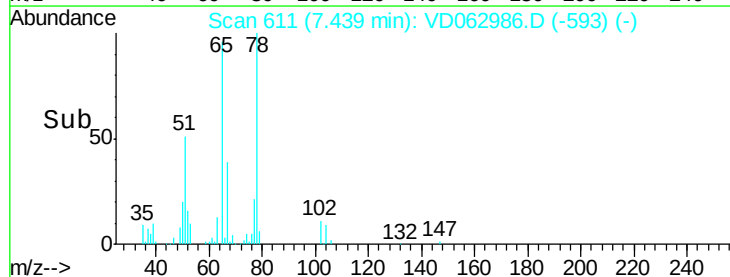
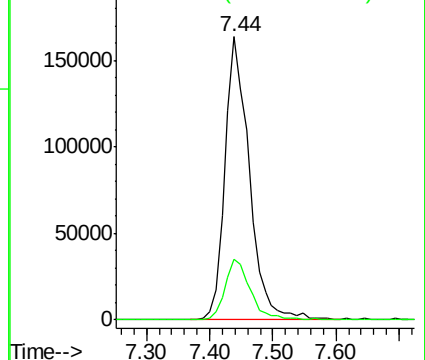
78 100

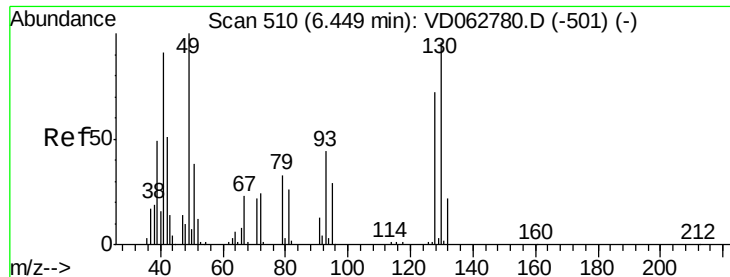
77 21.3 20.2 30.2



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

ClientSampleId :

VD0701SBS02

Tot Ion: 41 Resp: 121353

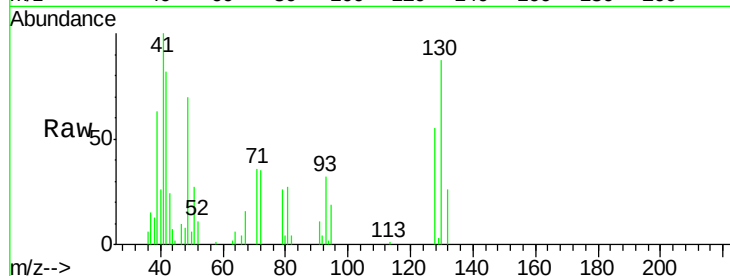
Ion Ratio Lower Upper

41 100

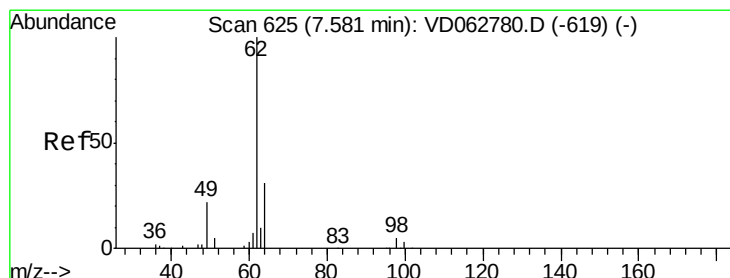
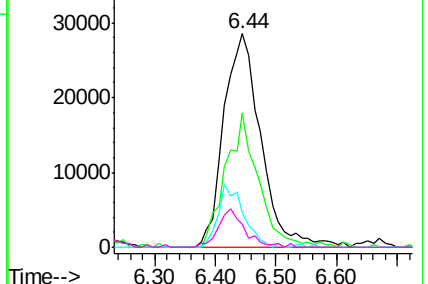
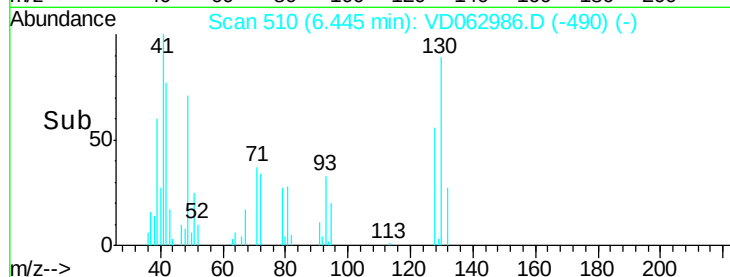
39 62.7 43.2 64.8

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

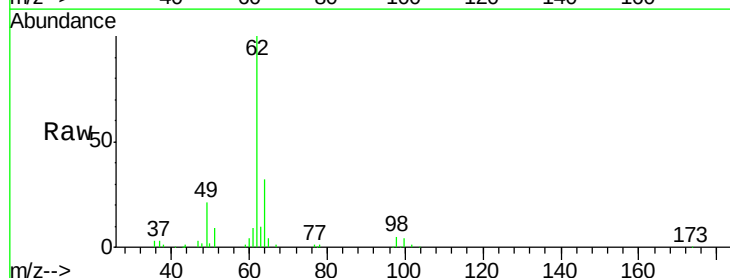
Acq: 1 Jul 2019 13:25

Tgt Ion: 62 Resp: 253577

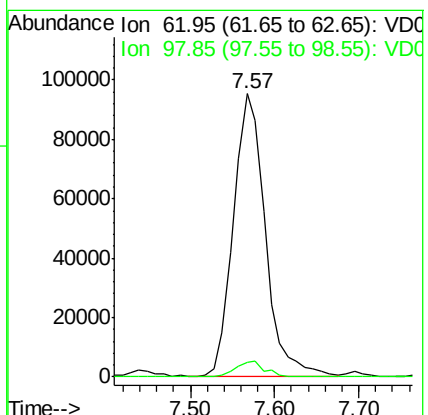
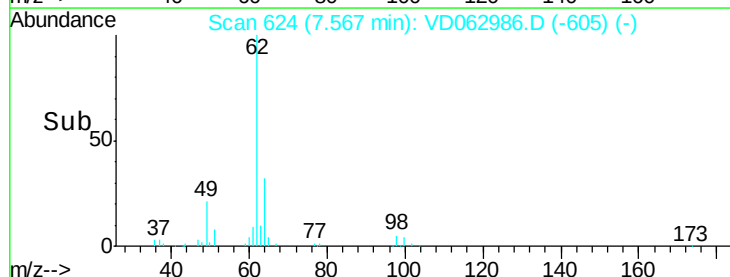
Ion Ratio Lower Upper

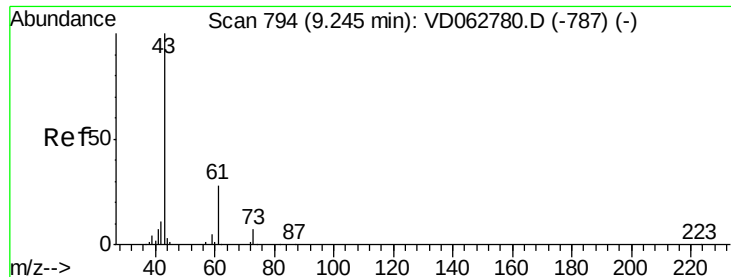
62 100

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

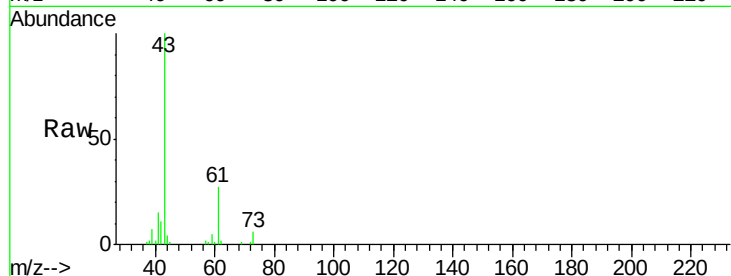




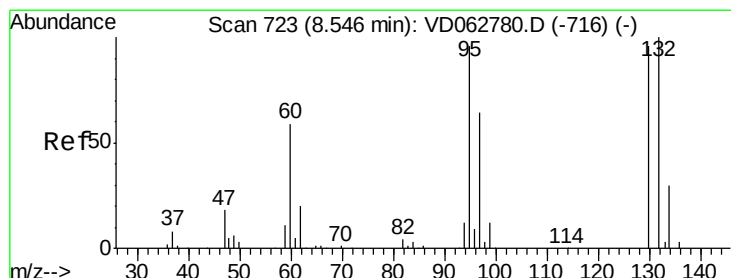
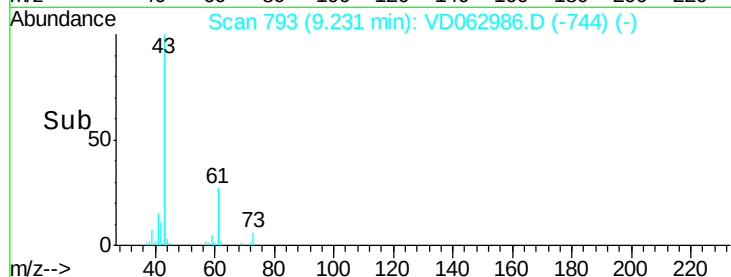
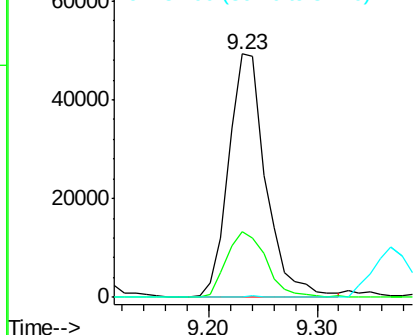
#43
Isopropyl Acetate
Concen: 22.606 ug/l
RT: 9.23 min Scan# 793
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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#

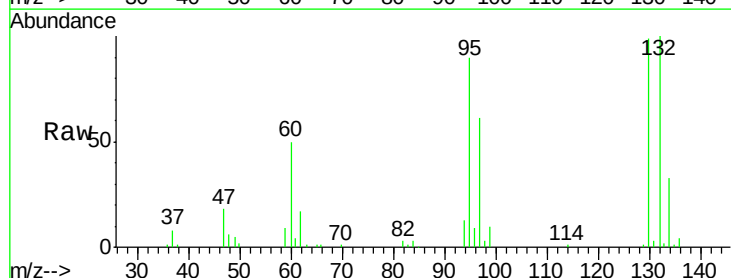


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

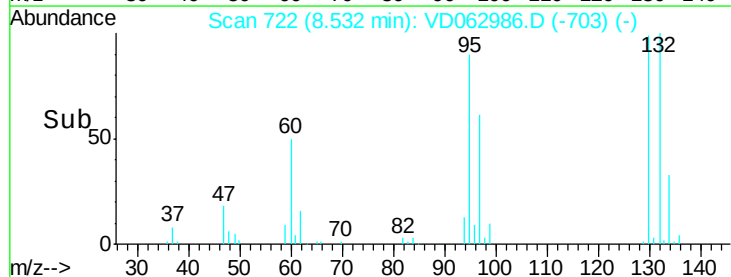
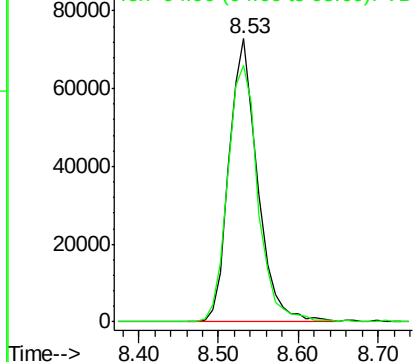


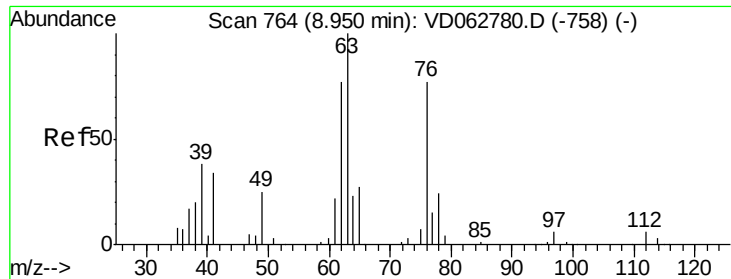
#44
Trichloroethene
Concen: 23.236 ug/l
RT: 8.53 min Scan# 722
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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

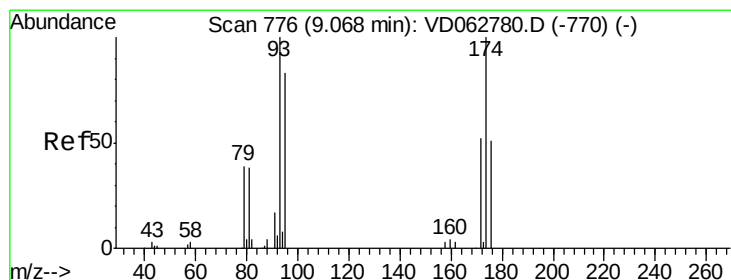
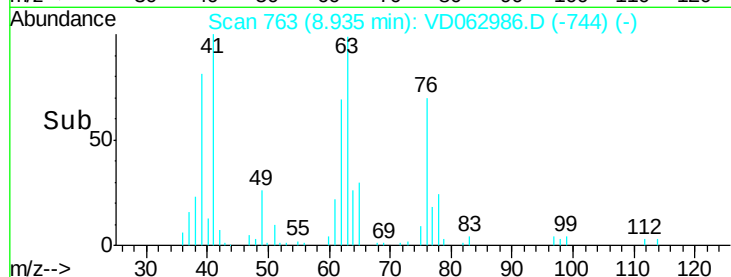
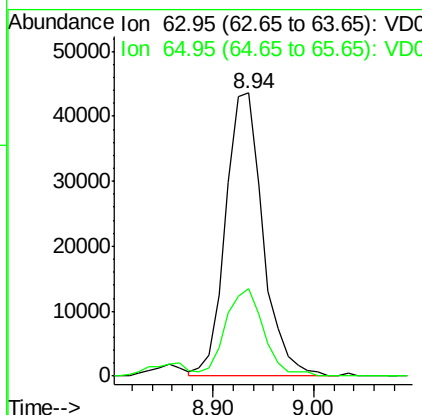
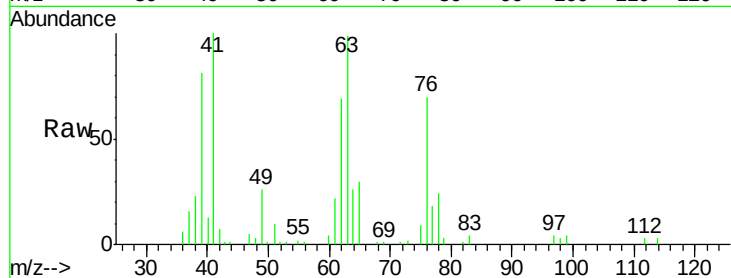




#45
 1,2-Dichloropropane
 Concen: 22.476 ug/l
 RT: 8.94 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

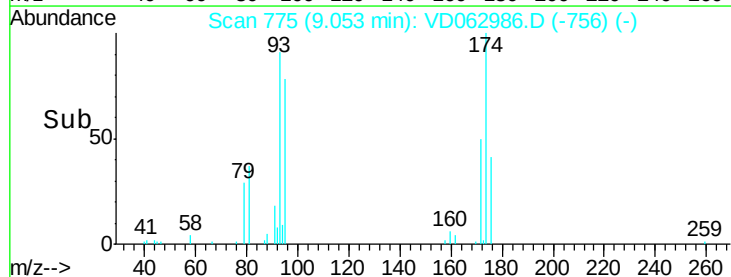
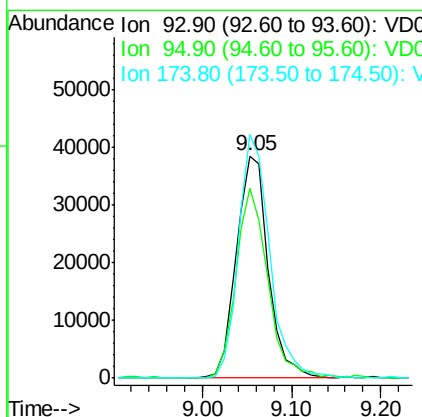
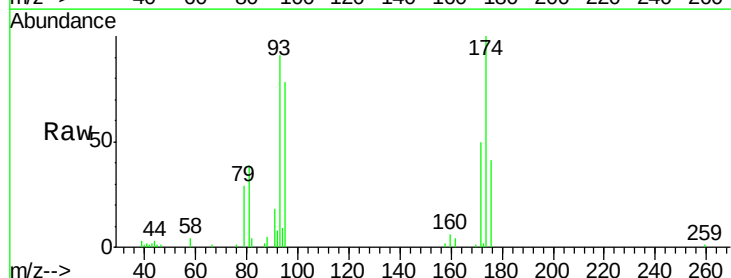
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

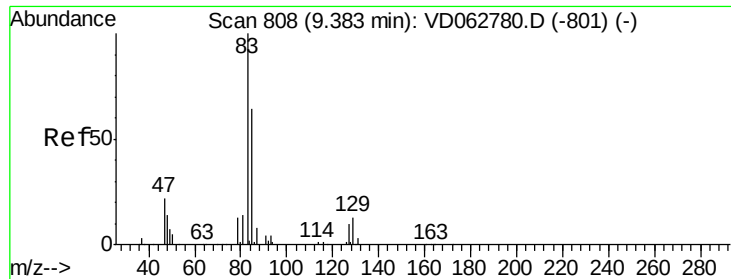
Tot Ion: 63 Resp: 112012
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.2 36.2



#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





#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

ClientSampleId :

VD0701SBS02

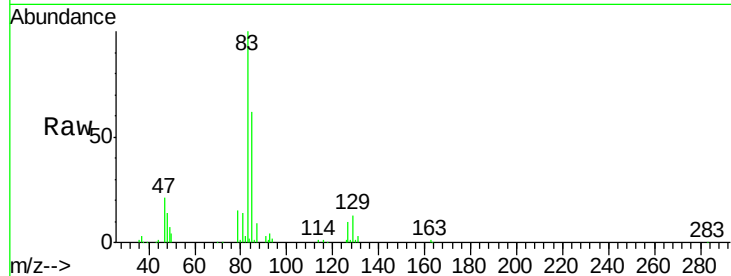
Tot Ion: 83 Resp: 250241

Ion Ratio Lower Upper

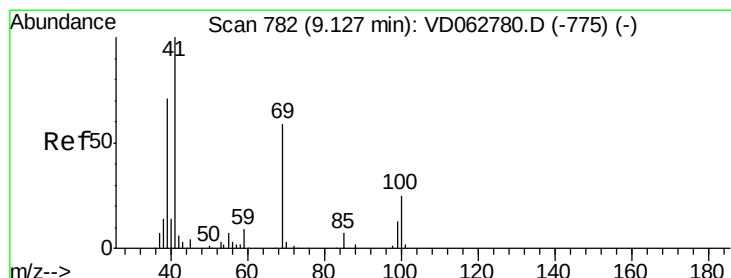
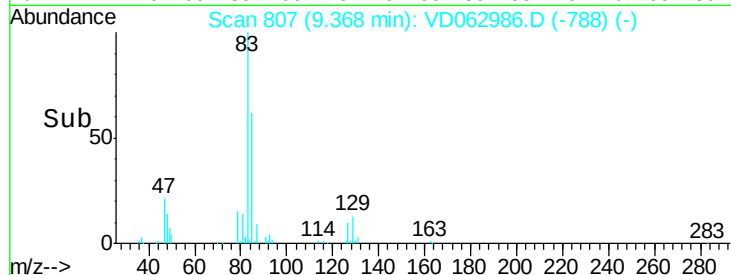
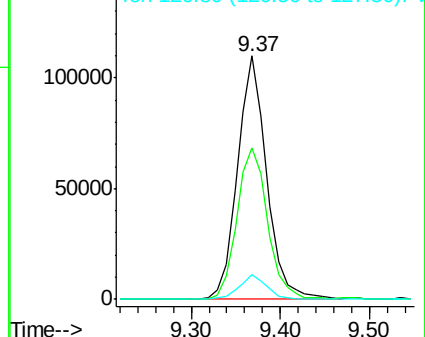
83 100

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

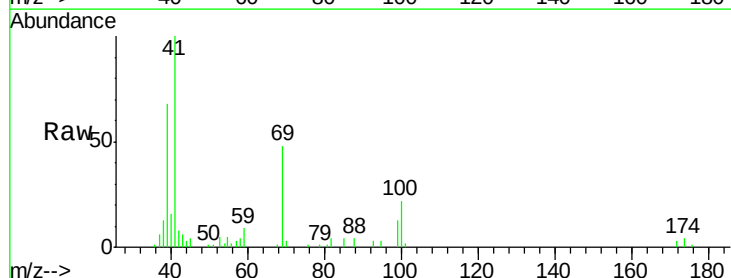
Tgt Ion: 41 Resp: 88088

Ion Ratio Lower Upper

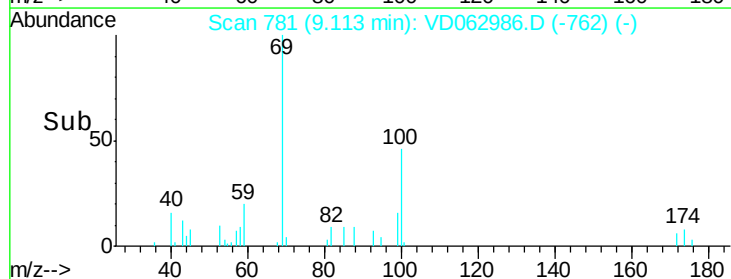
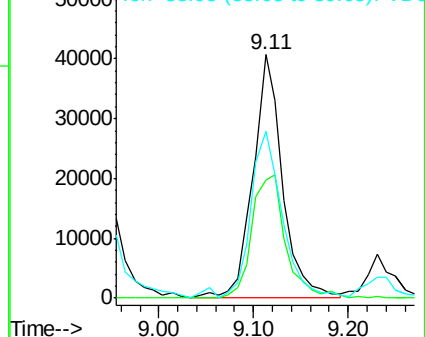
41 100

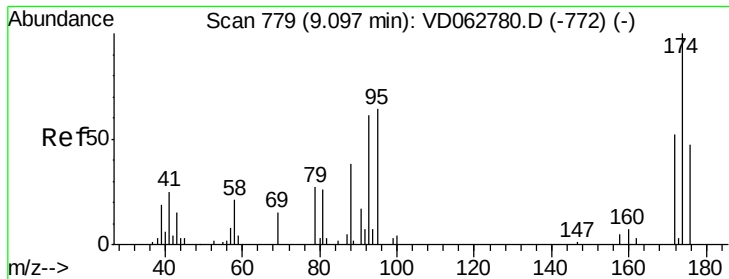
69 48.4 47.2 70.8

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

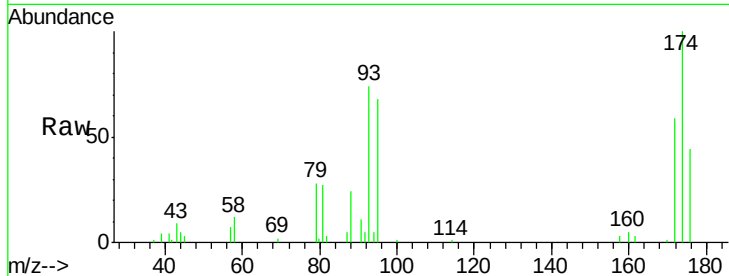




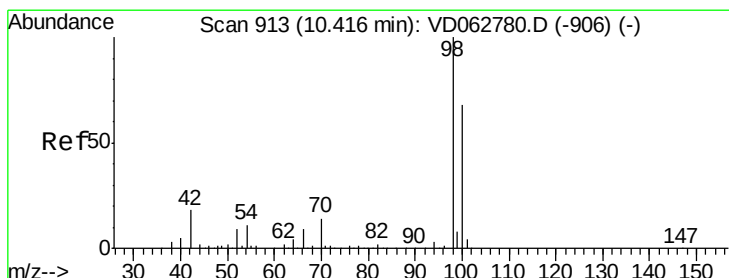
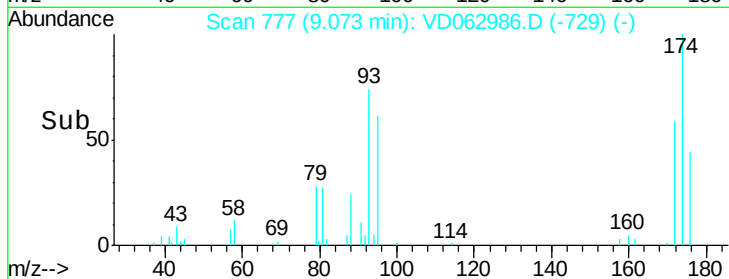
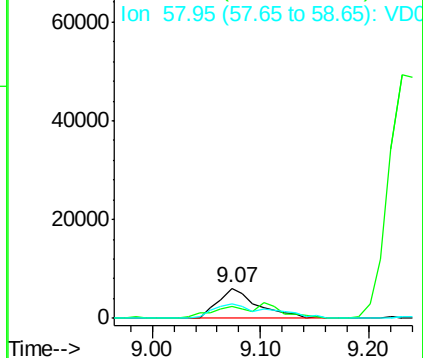
#49
1,4-Dioxane
Concen: 491.962 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.02 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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

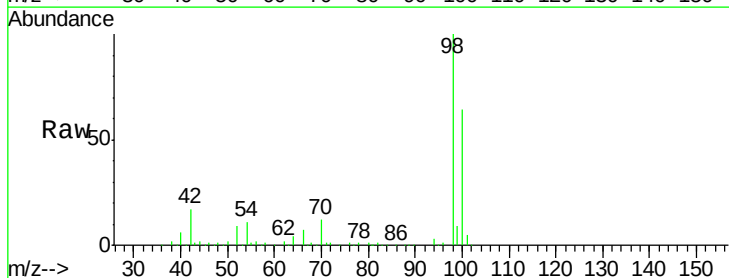


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

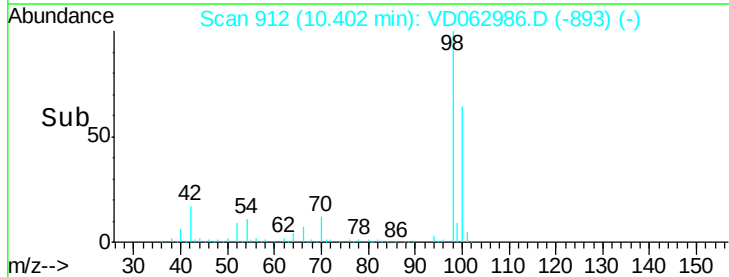
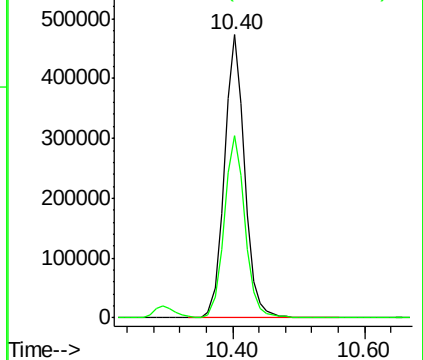


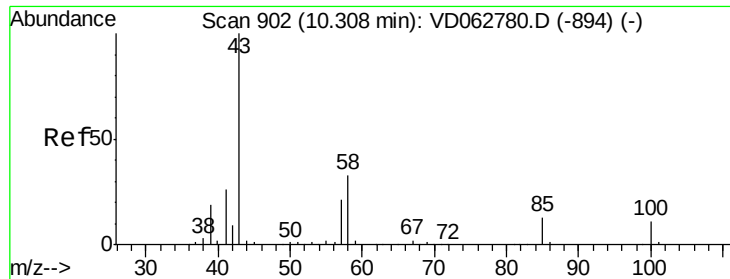
#50
Toluene-d8
Concen: 52.597 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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 :

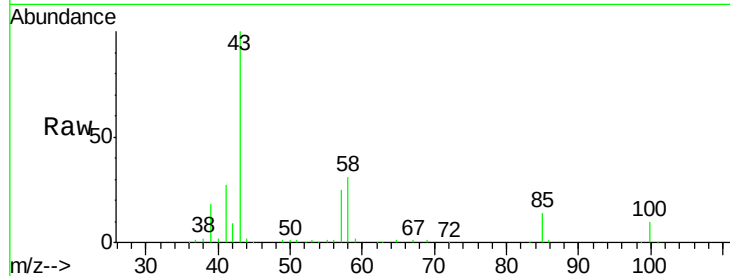
VD0701SBS02

Tot Ion: 43 Resp: 423954

Ion Ratio Lower Upper

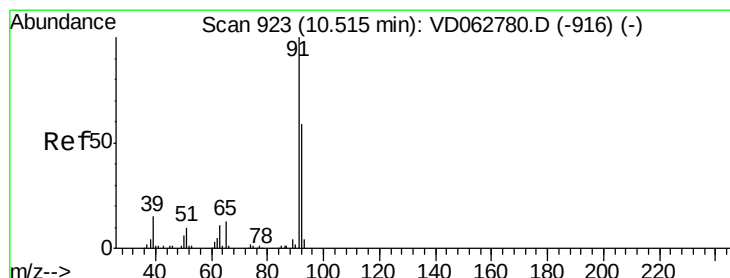
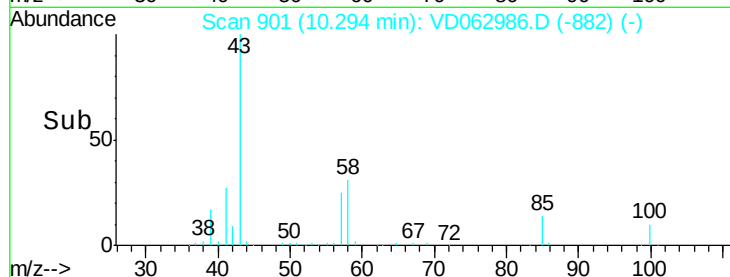
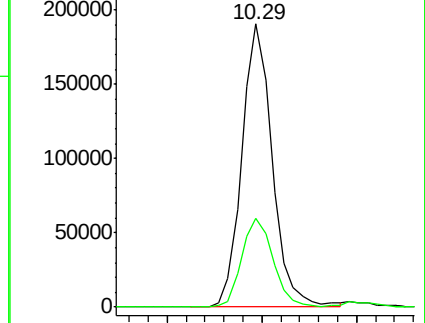
43 100

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



#52

Toluene

Concen: 22.193 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD062986.D

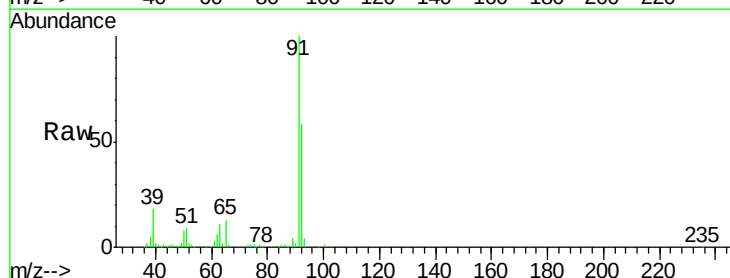
Acq: 1 Jul 2019 13:25

Tgt Ion: 92 Resp: 298985

Ion Ratio Lower Upper

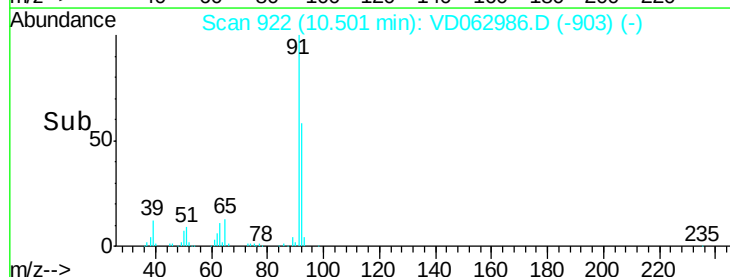
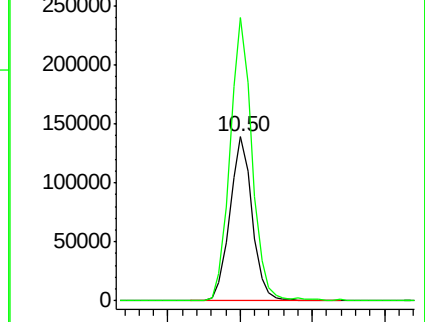
92 100

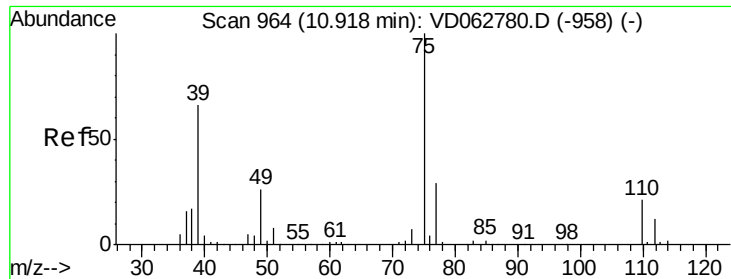
91 172.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

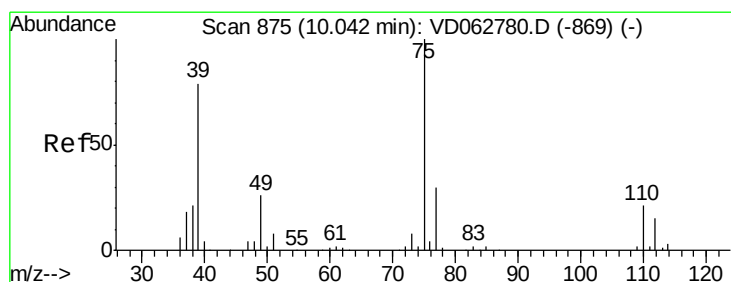
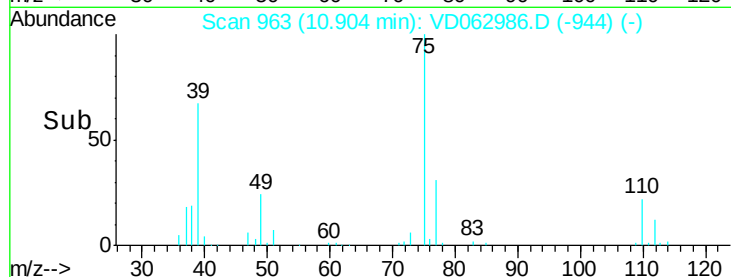
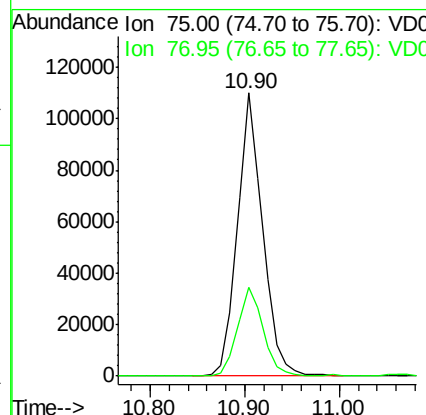
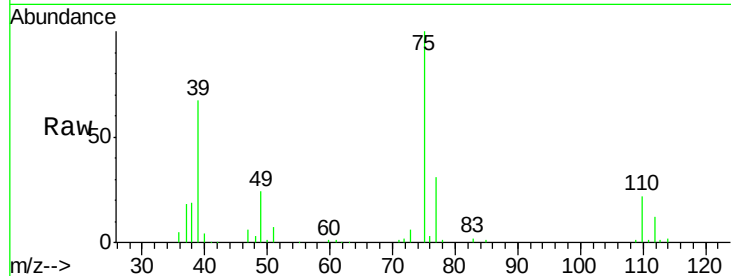




#53
 t-1,3-Dichloropropene
 Concen: 22.340 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

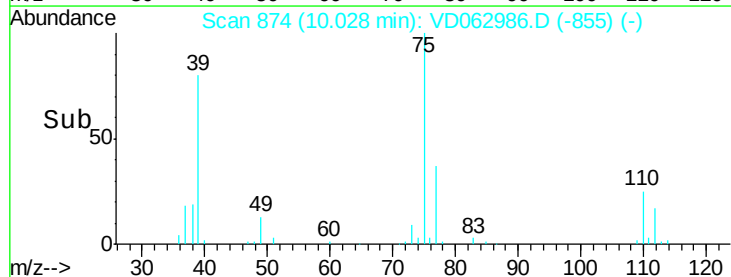
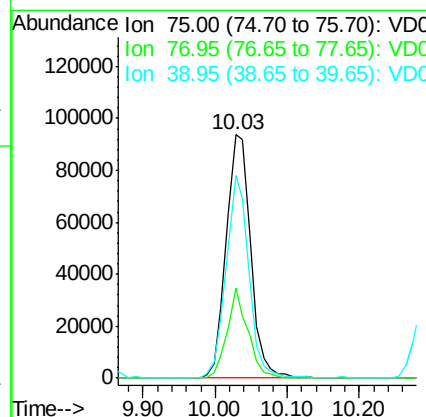
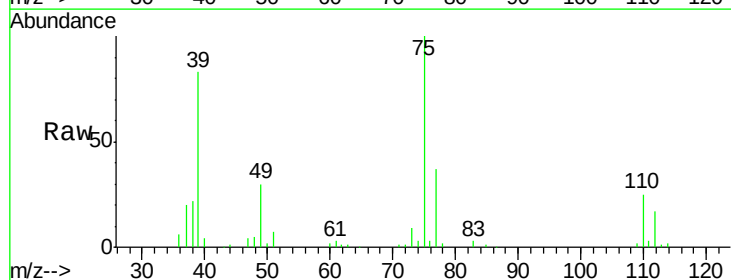
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

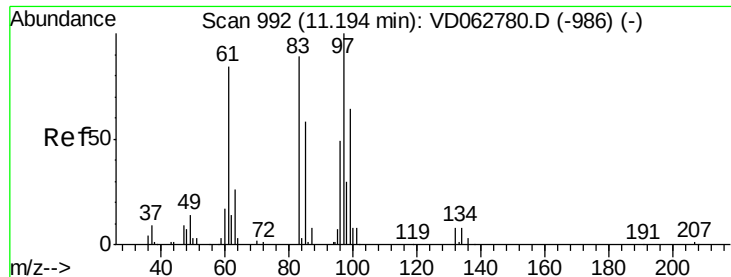
Tot Ion: 75 Resp: 203293
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 34.8



#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

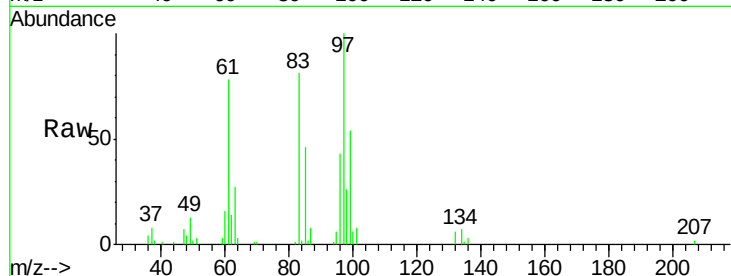




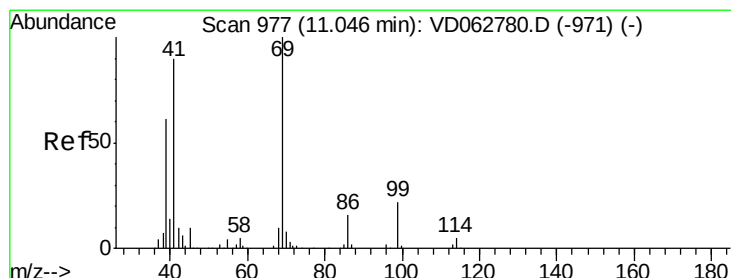
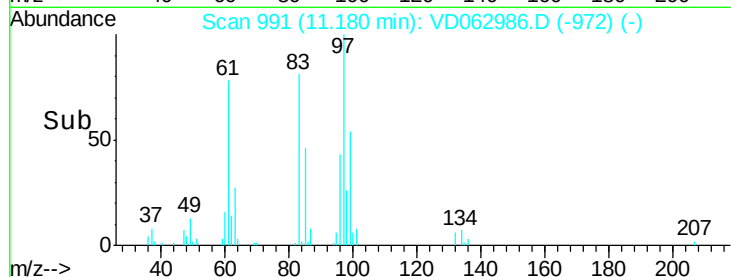
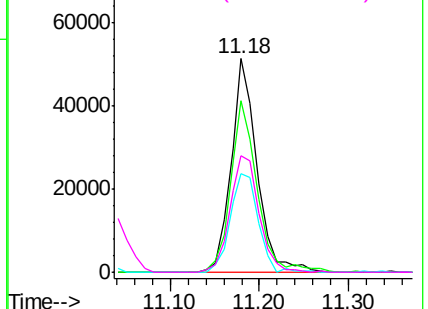
#55
 1,1,2-Trichloroethane
 Concen: 22.581 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

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

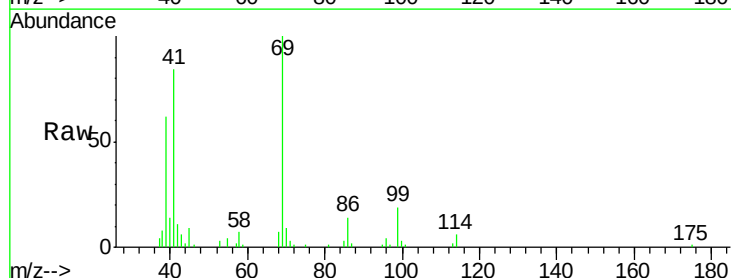


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

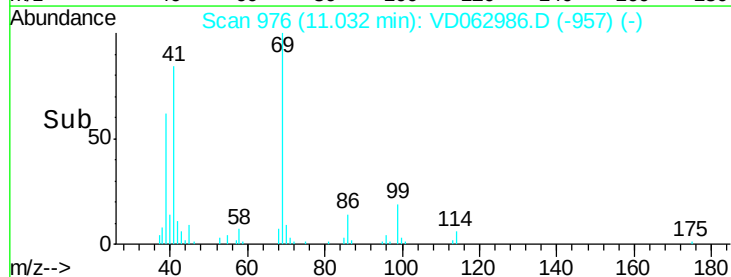
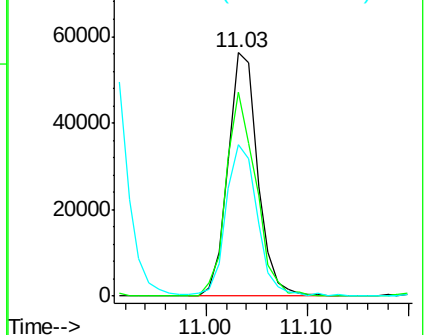


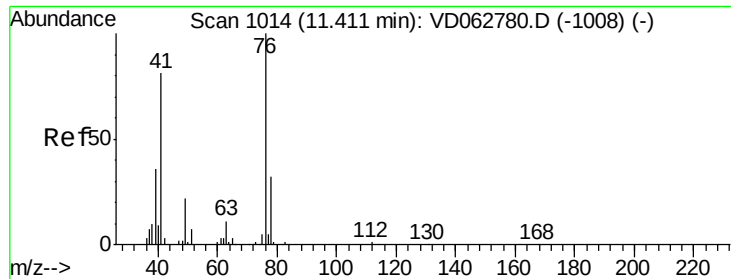
#56
 Ethyl methacrylate
 Concen: 23.305 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

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

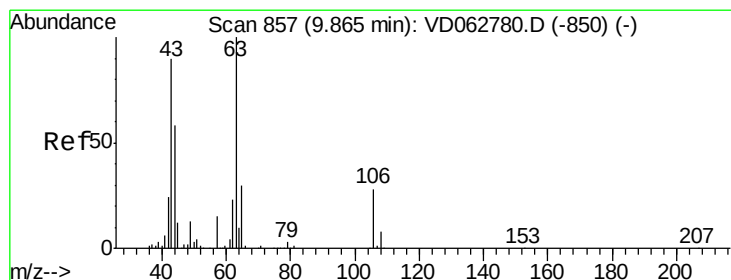
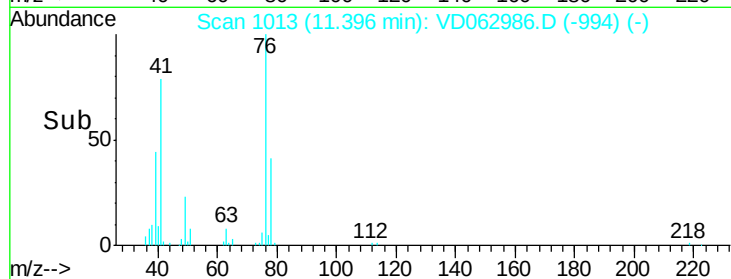
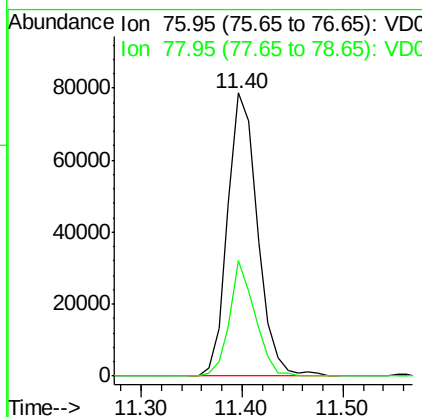
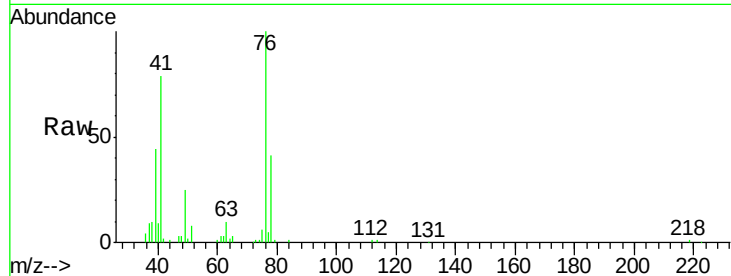




#57
 1,3-Dichloropropane
 Concen: 22.883 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

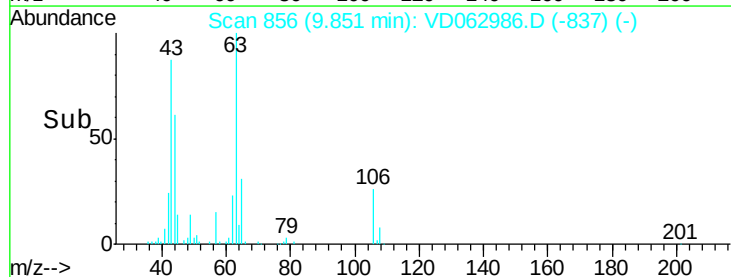
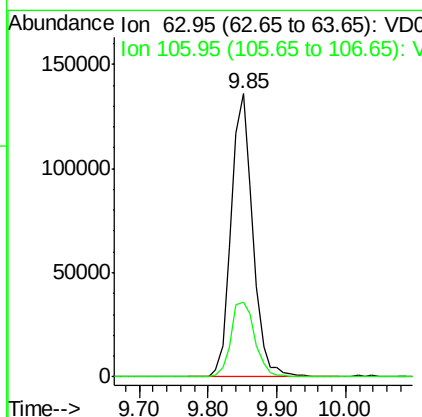
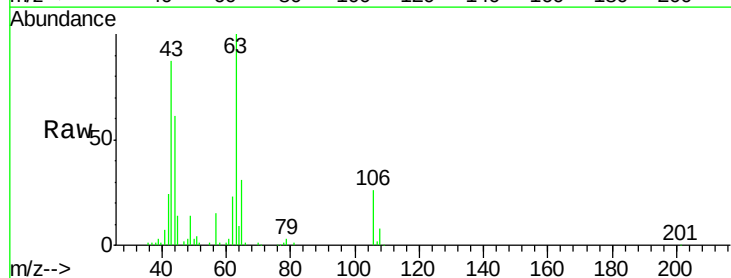
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

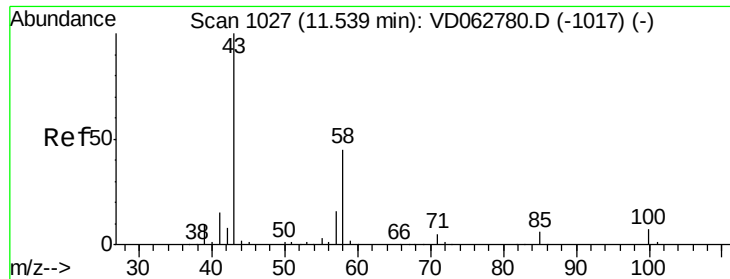
Tot Ion: 76 Resp: 162176
 Ion Ratio Lower Upper
 76 100
 78 40.7 25.4 38.0#



#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

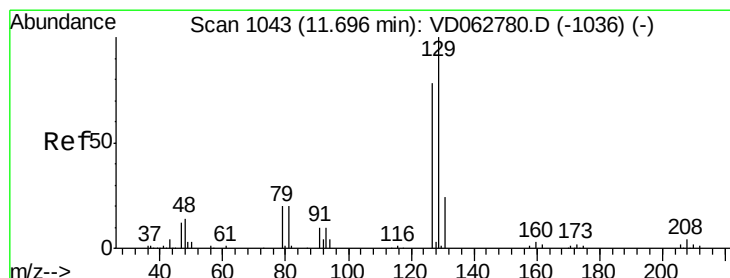
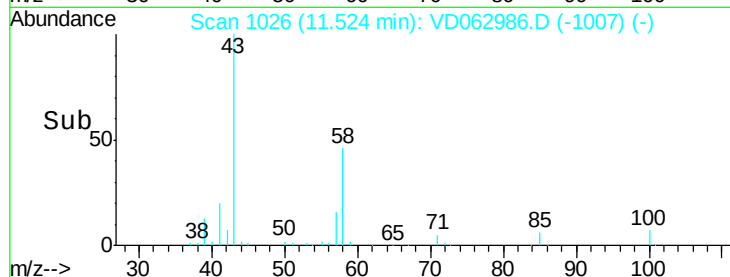
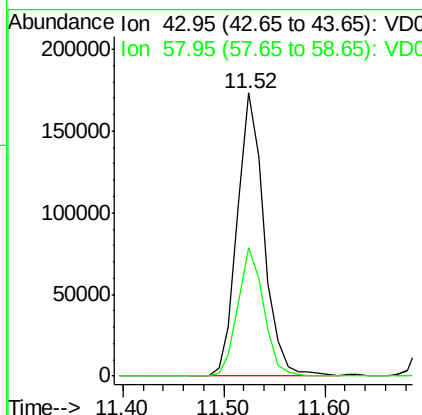
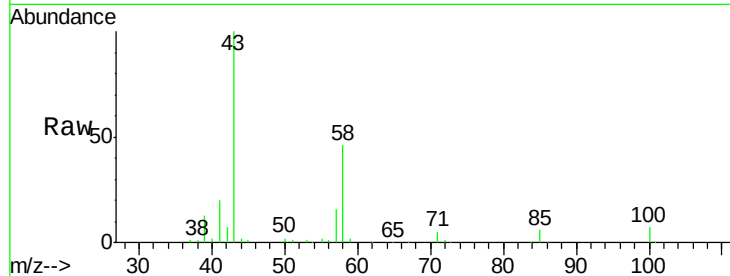




#59
2-Hexanone
Concen: 120.855 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

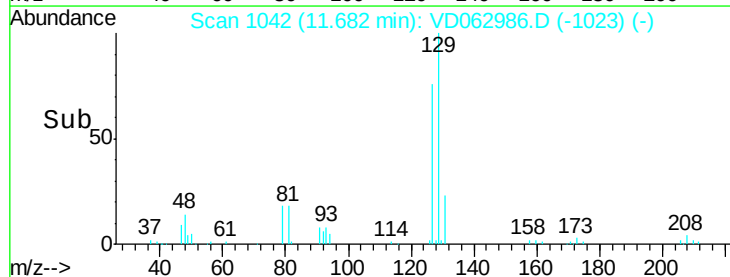
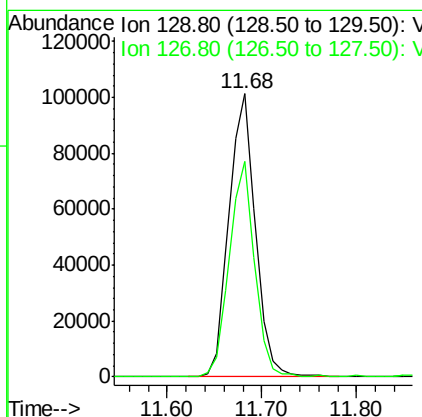
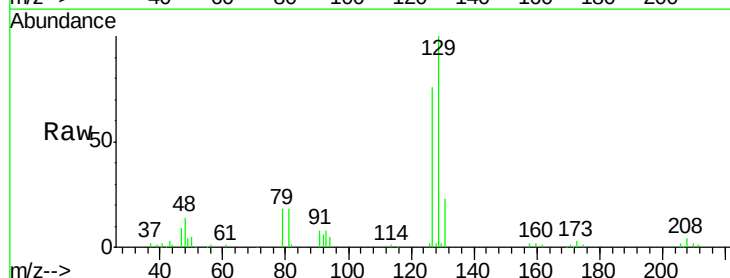
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

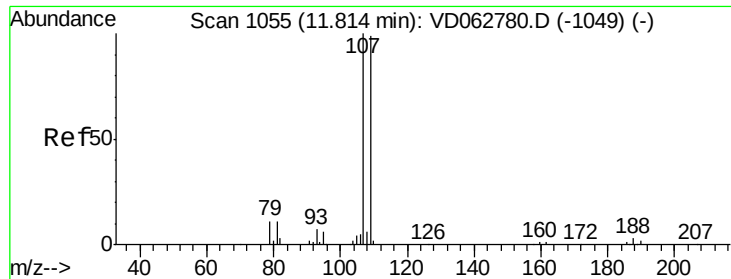
Tot Ion: 43 Resp: 319433
Ion Ratio Lower Upper
43 100
58 45.6 22.4 67.2



#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

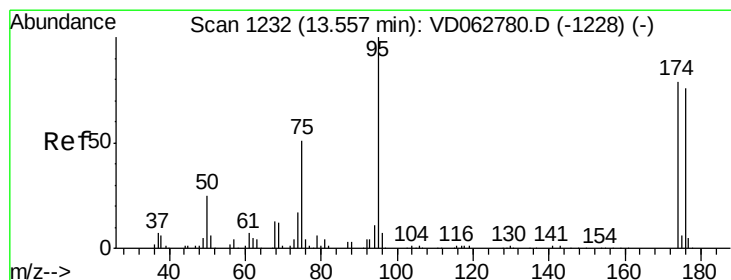
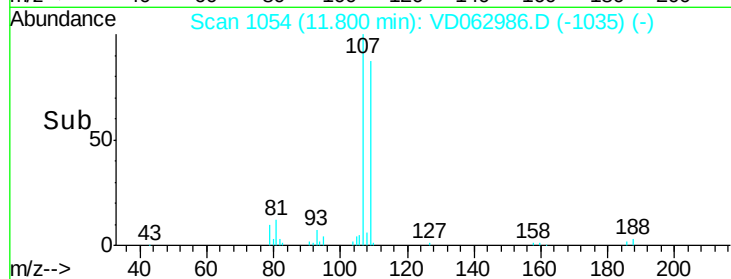
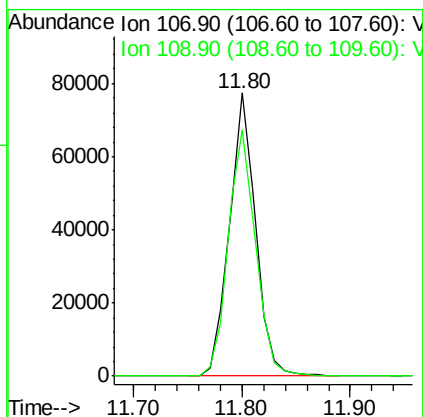
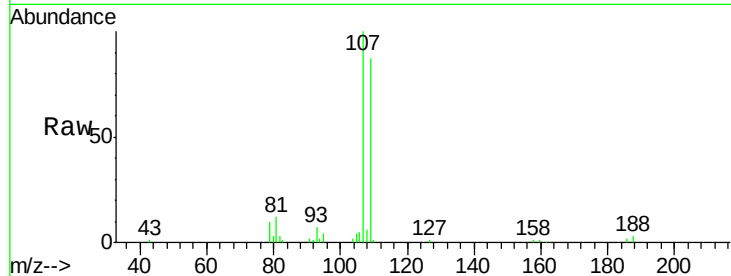




#61
 1,2-Dibromoethane
 Concen: 23.881 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

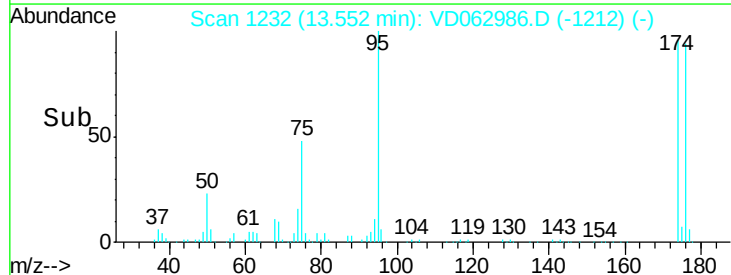
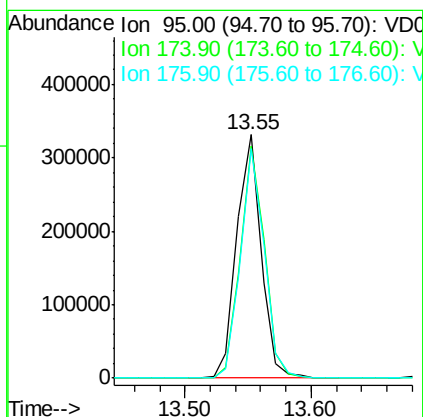
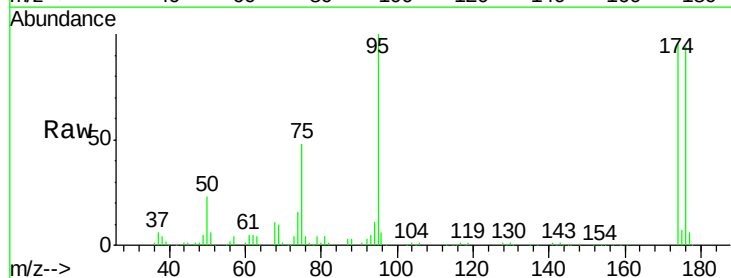
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

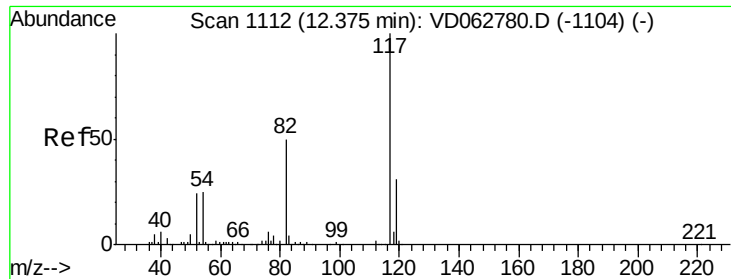
Tot Ion:107 Resp: 130544
 Ion Ratio Lower Upper
 107 100
 109 87.0 79.3 118.9



#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

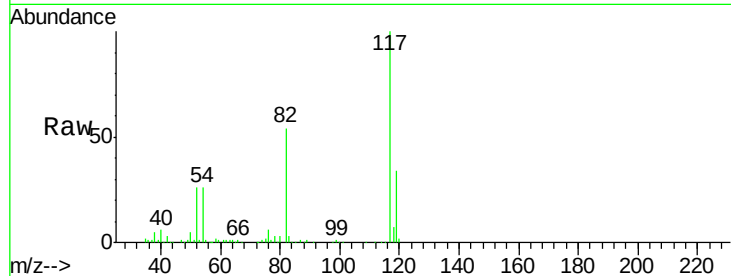




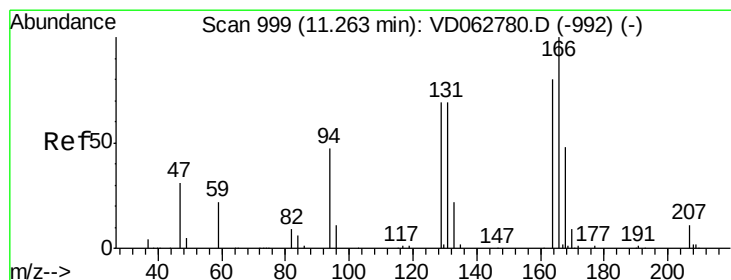
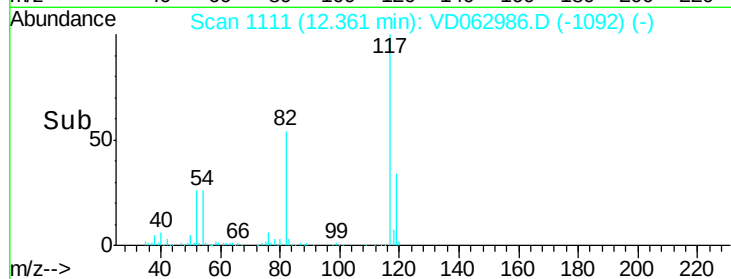
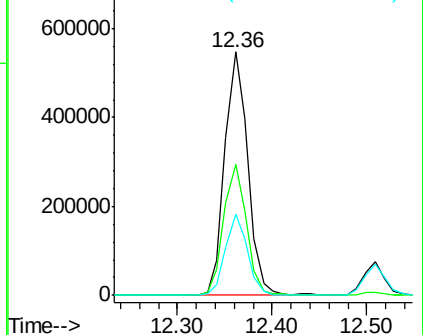
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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

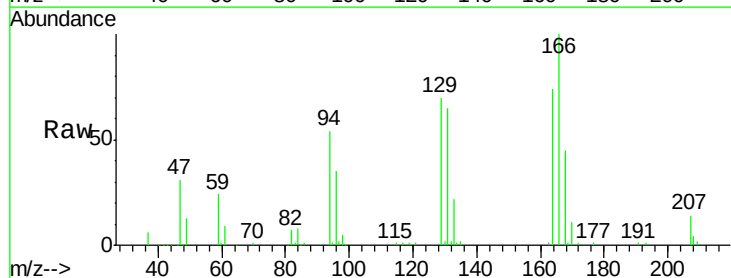


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

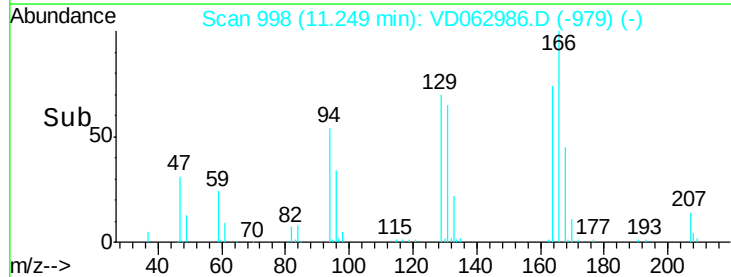
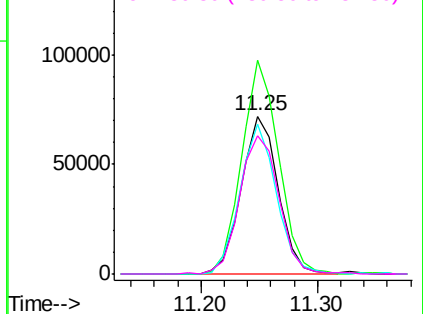


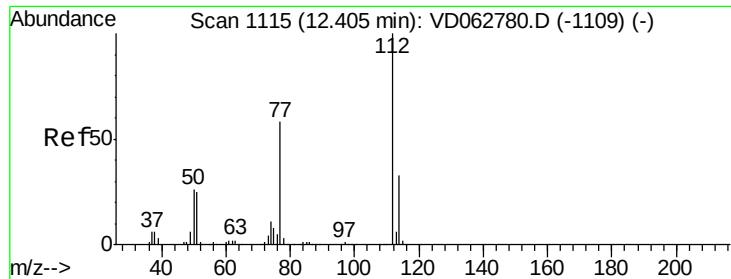
#64
Tetrachloroethene
Concen: 20.833 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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

ClientSampleId :

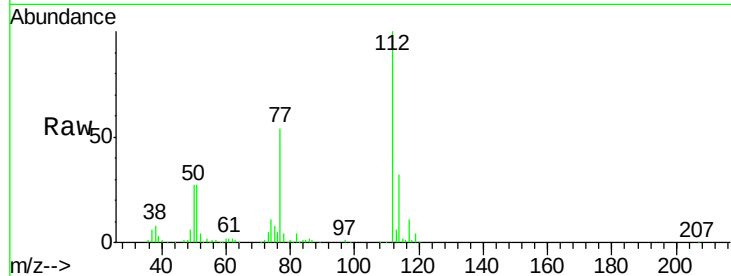
VD0701SBSD02

Tot Ion:112 Resp: 368926

Ion Ratio Lower Upper

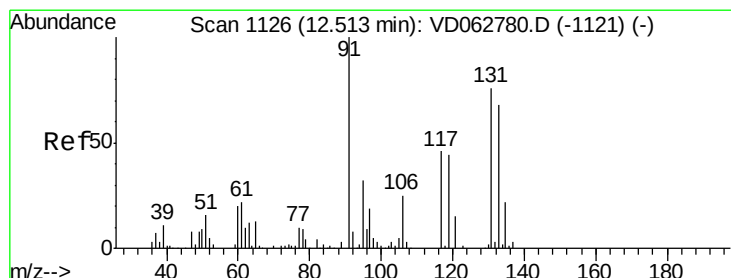
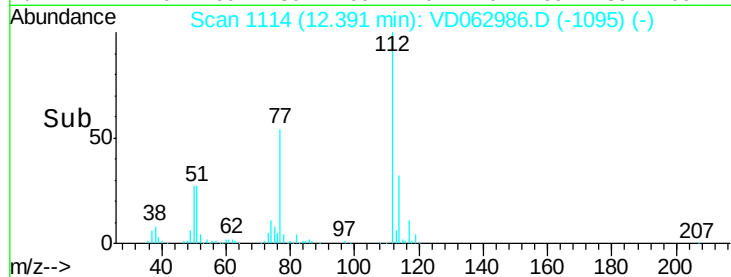
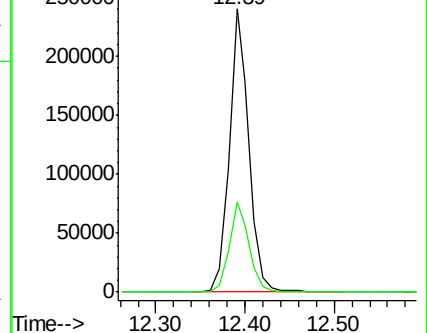
112 100

114 31.6 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#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

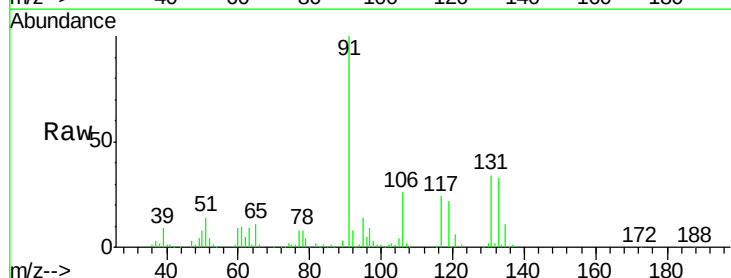
Tgt Ion:131 Resp: 176296

Ion Ratio Lower Upper

131 100

133 97.8 44.5 133.3

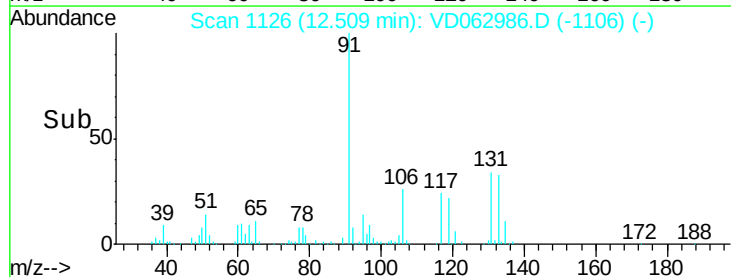
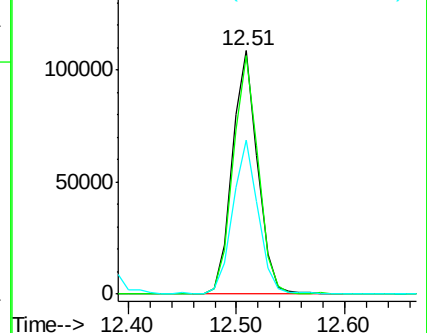
119 63.3 28.6 85.9

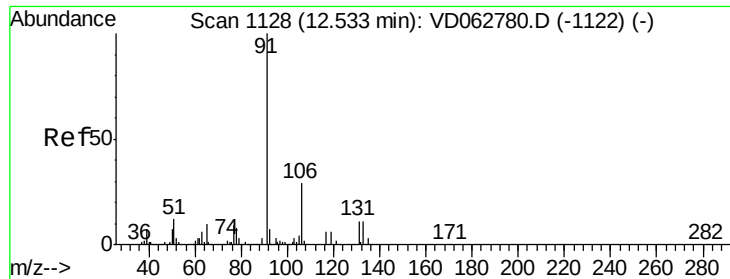


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

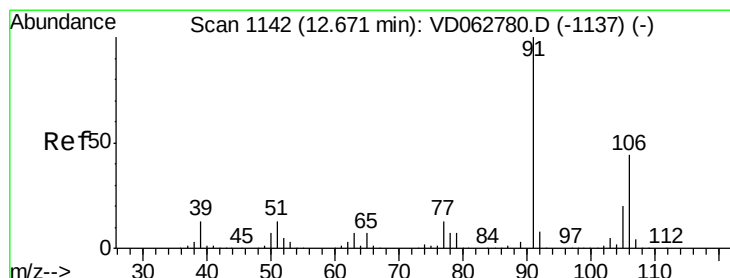
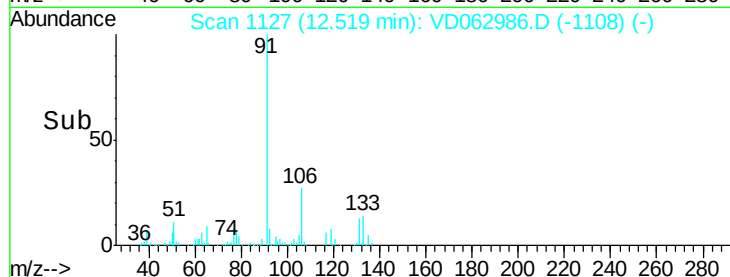
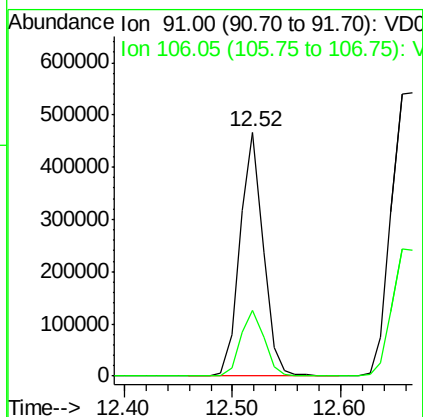
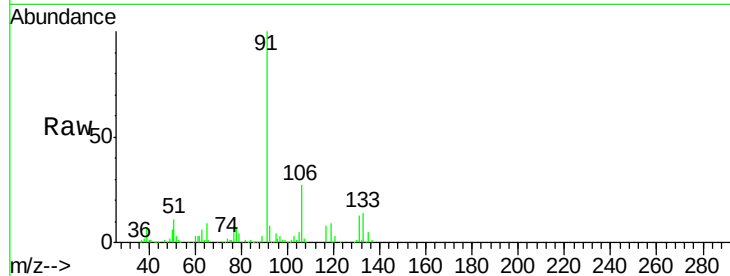




#67
Ethyl Benzene
Concen: 22.707 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

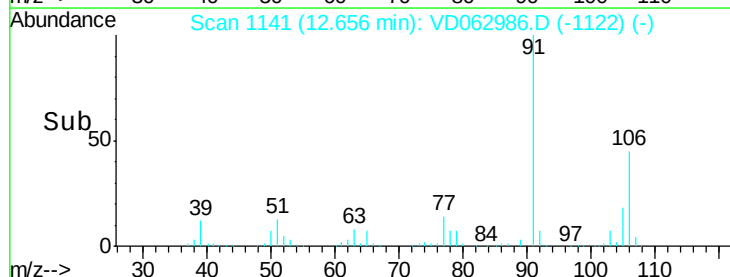
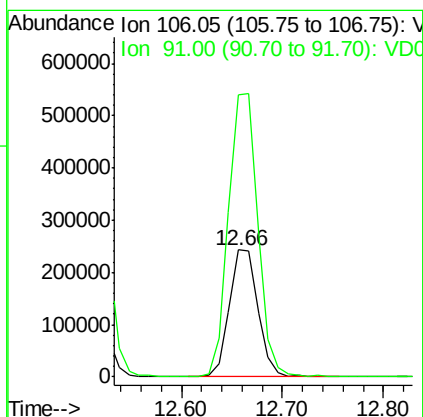
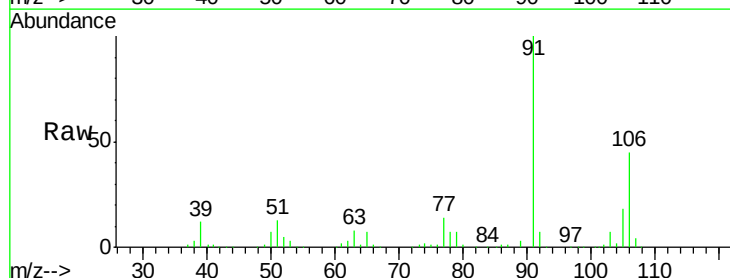
Instrument :
MSVOA_D
ClientSampleId :
VD0701SBS02

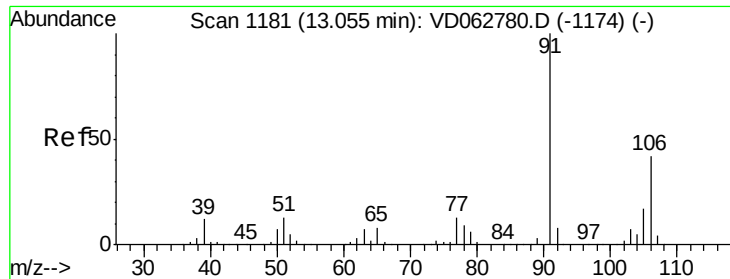
Tot Ion: 91 Resp: 698748
Ion Ratio Lower Upper
91 100
106 27.1 23.1 34.7



#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

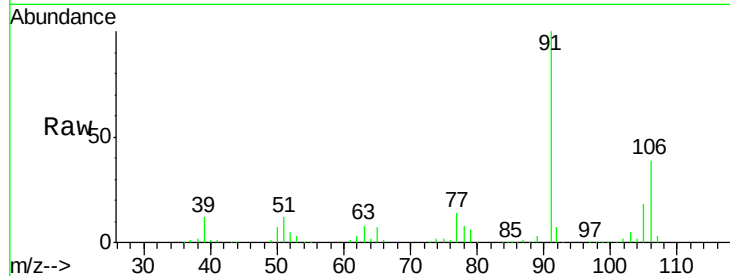




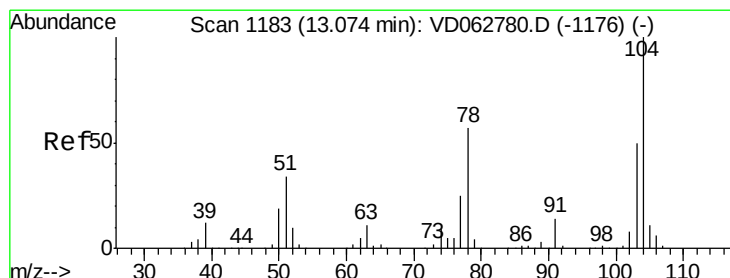
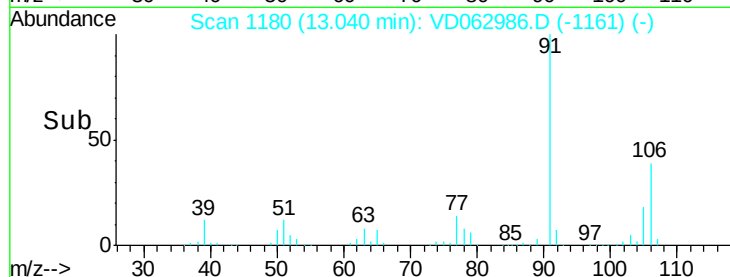
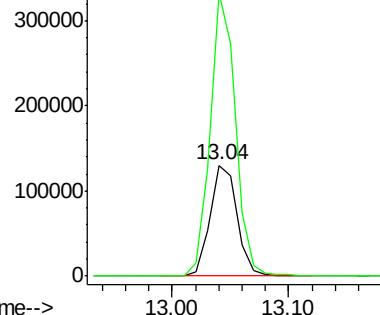
#69
o-Xylene
Concen: 21.423 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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

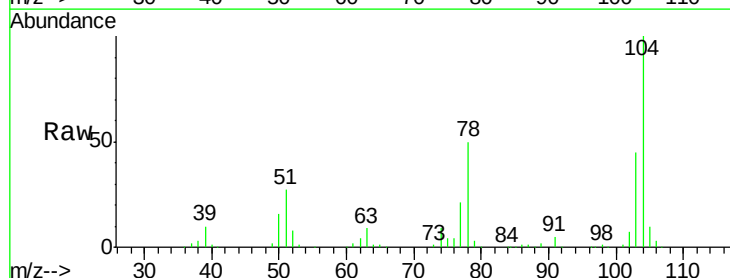


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

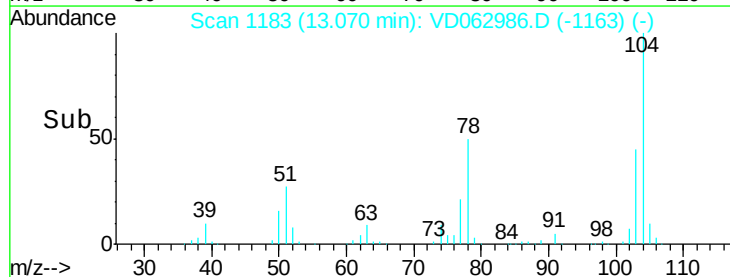
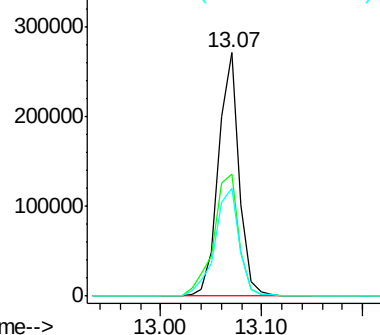


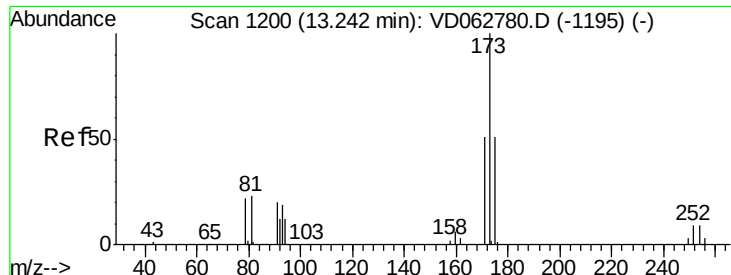
#70
Styrene
Concen: 22.521 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

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): VDC
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 :

VD0701SBSD02

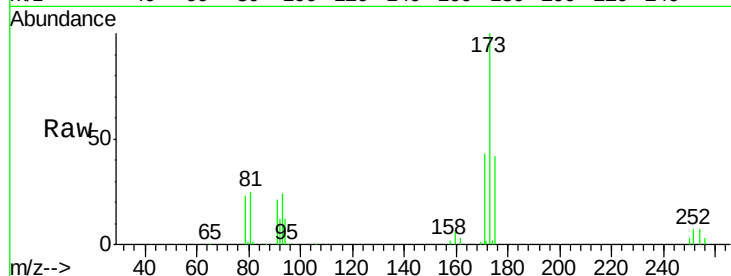
Tot Ion:173 Resp: 122659

Ion Ratio Lower Upper

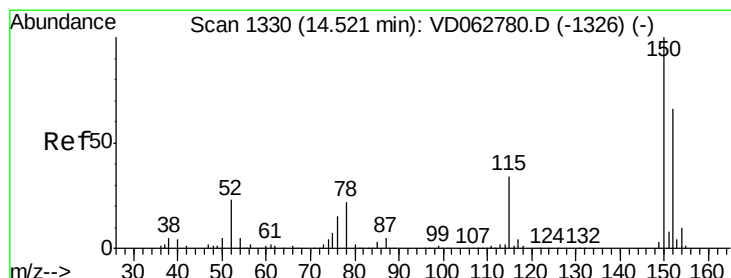
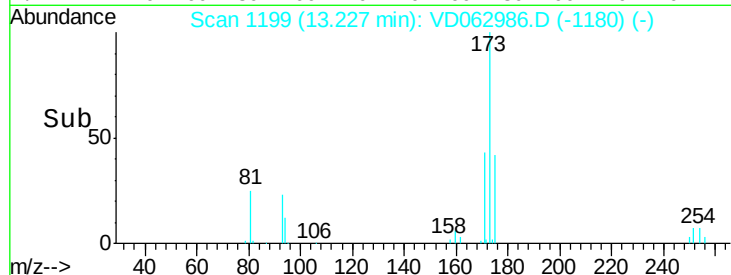
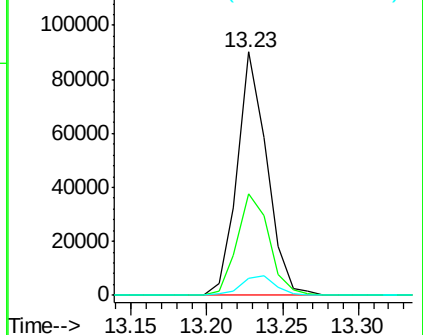
173 100

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

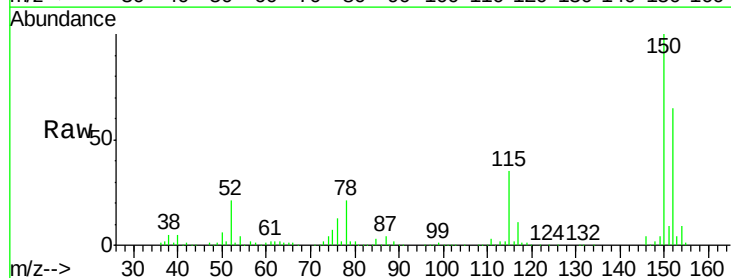
Tgt Ion:152 Resp: 545554

Ion Ratio Lower Upper

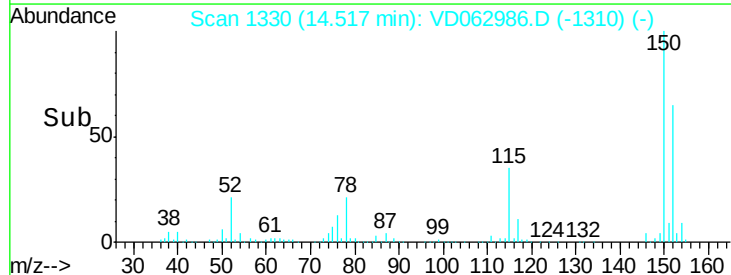
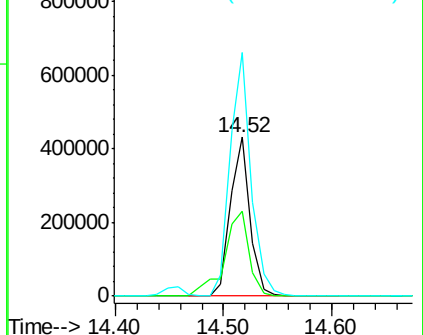
152 100

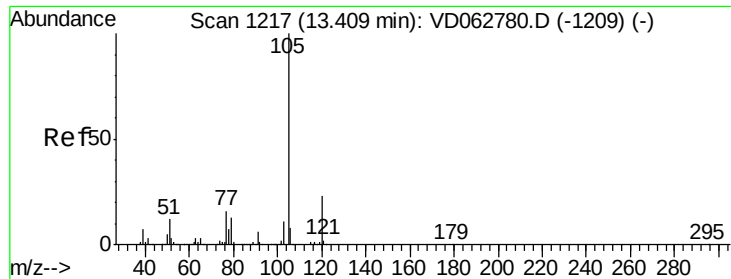
115 53.1 29.2 87.6

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 :

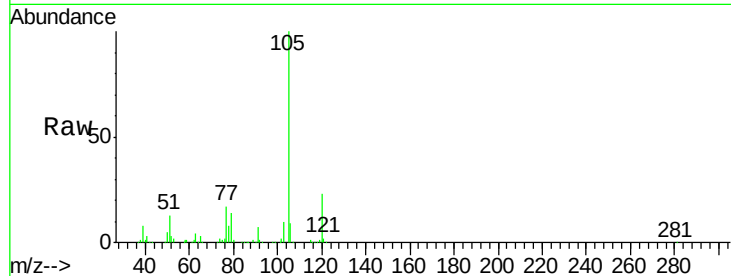
VD0701SBS02

Tot Ion:105 Resp: 713843

Ion Ratio Lower Upper

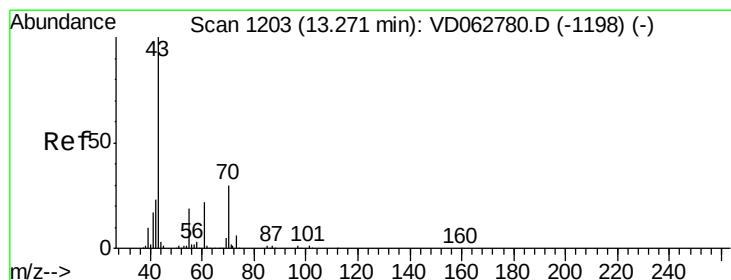
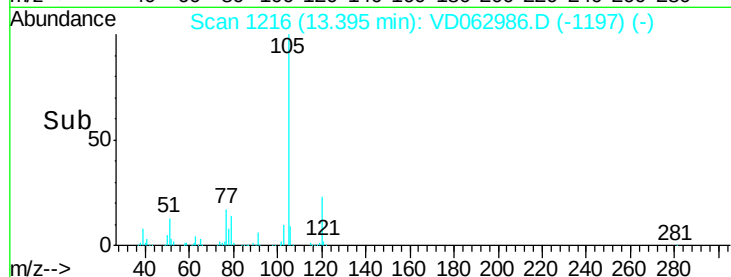
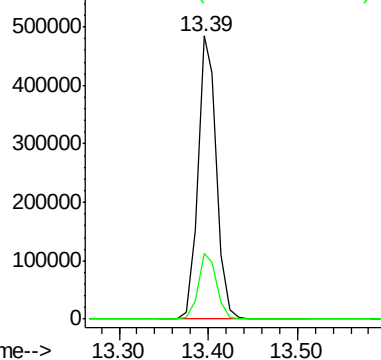
105 100

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



#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

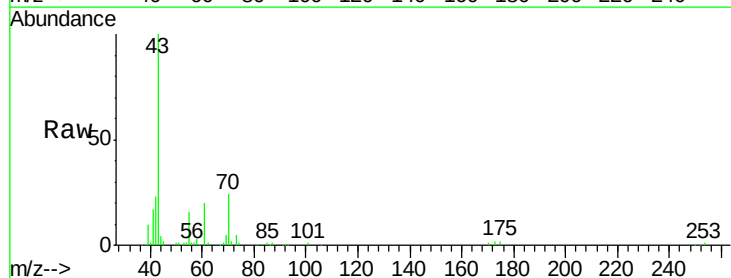
Ion Ratio Lower Upper

43 100

70 24.4 24.4 36.6#

55 15.6 15.2 22.8

61 20.4 17.4 26.2

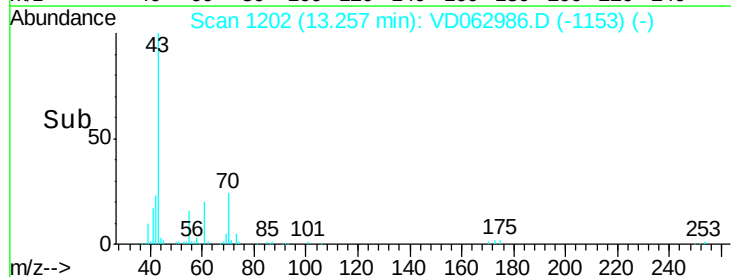
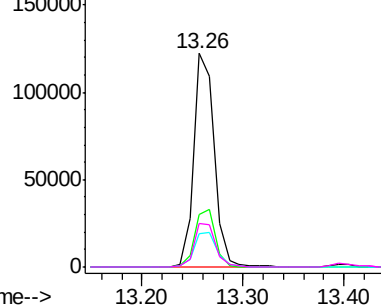


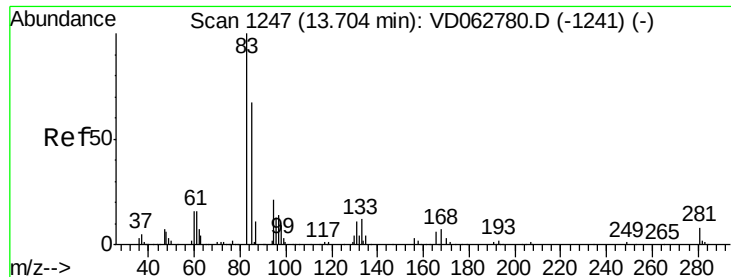
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#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 :

VD0701SBS02

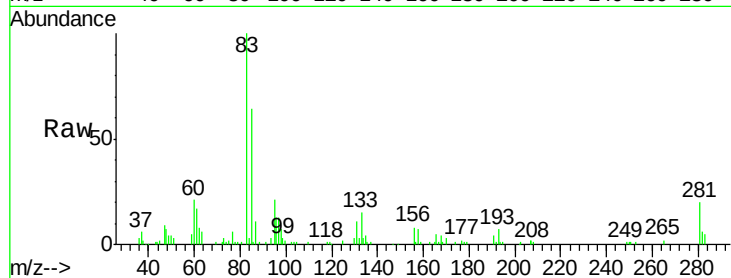
Tot Ion: 83 Resp: 109659

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	16.1
85	64.1	33.7	101.1

83 100

131 10.9 5.3 16.1

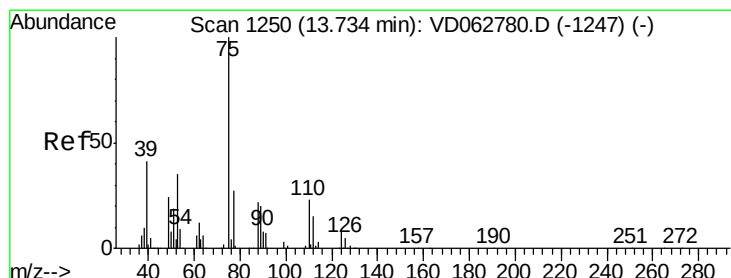
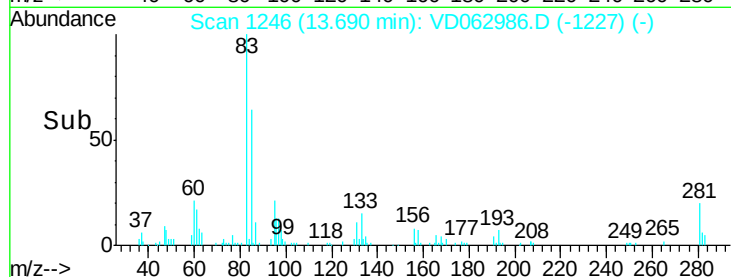
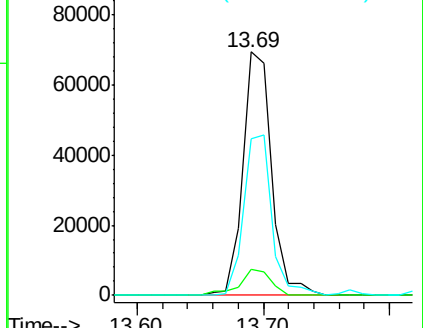
85 64.1 33.7 101.1



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

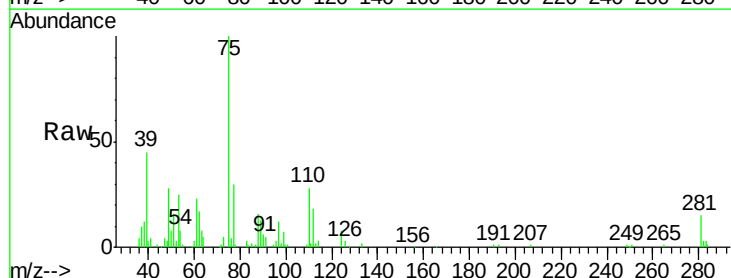
Acq: 1 Jul 2019 13:25

Tgt Ion: 75 Resp: 131970

Ion	Ratio	Lower	Upper
75	100		
77	30.0	15.0	45.1

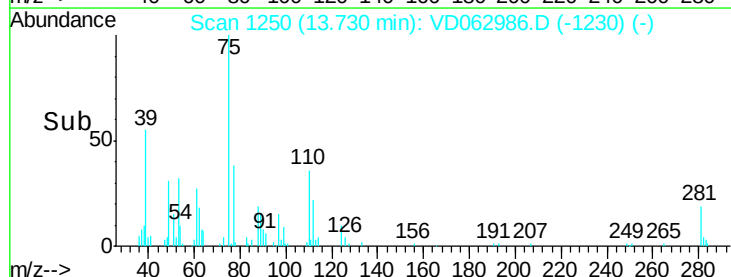
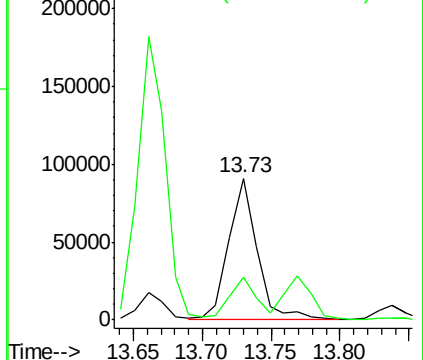
75 100

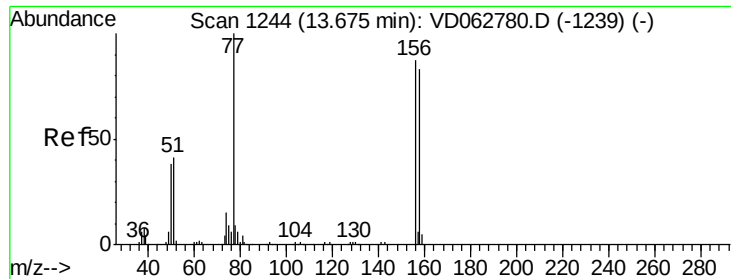
77 30.0 15.0 45.1



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 :

VD0701SBSD02

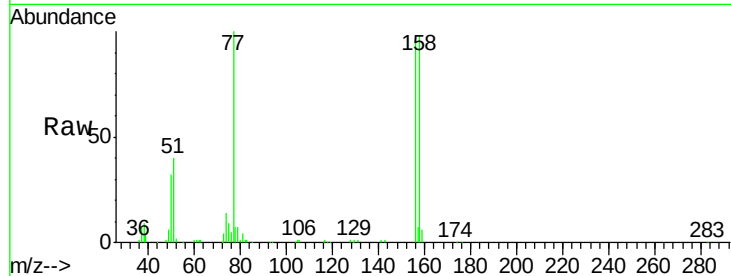
Tot Ion:156 Resp: 193197

Ion Ratio Lower Upper

156 100

77 105.5 57.7 173.1

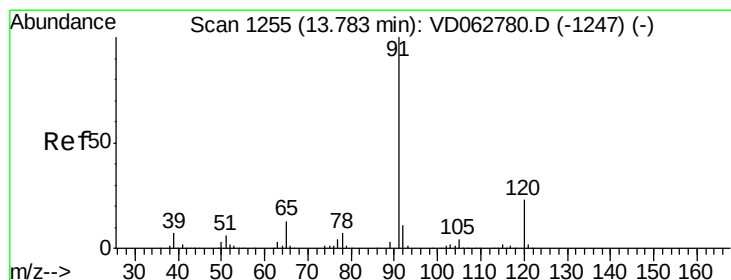
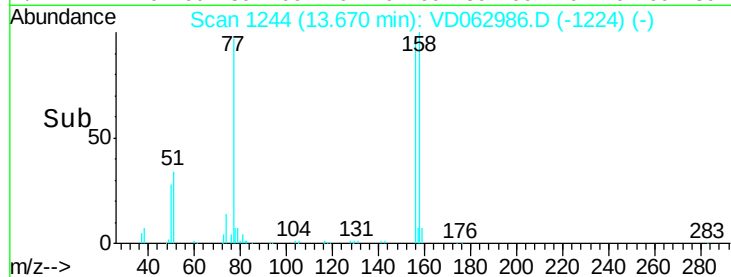
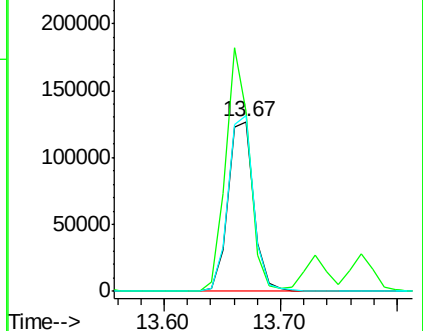
158 103.7 47.7 143.1



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

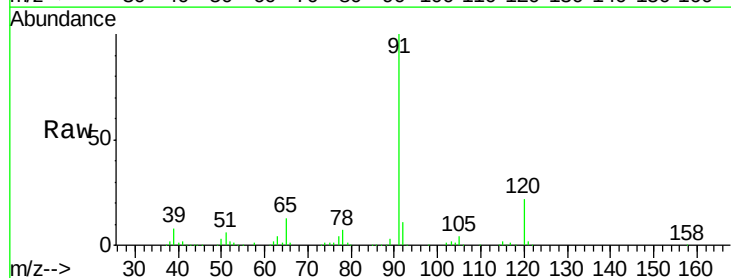
Acq: 1 Jul 2019 13:25

Tgt Ion: 91 Resp: 851653

Ion Ratio Lower Upper

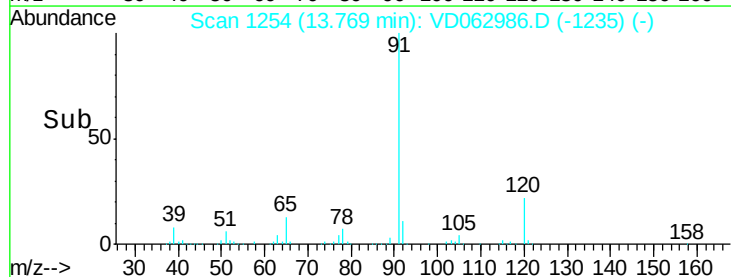
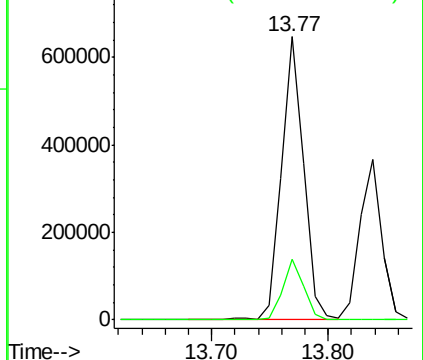
91 100

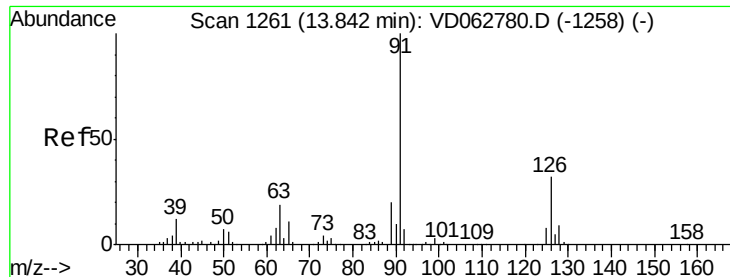
120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

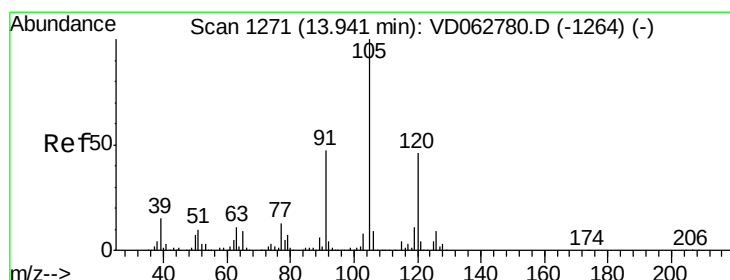
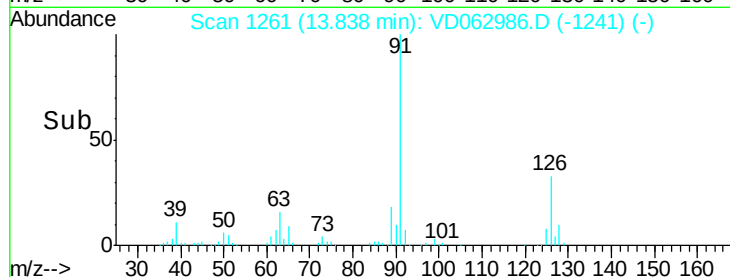
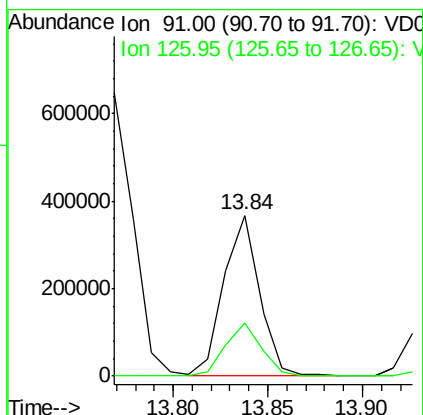
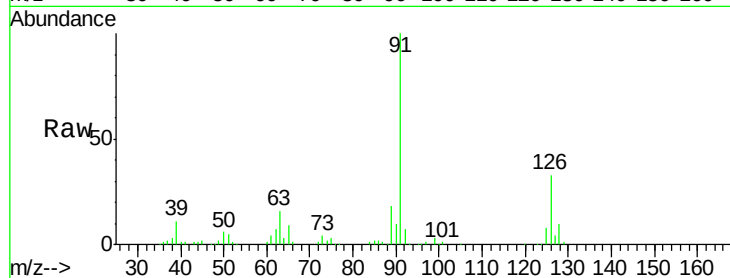




#79
 2-Chlorotoluene
 Concen: 20.636 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

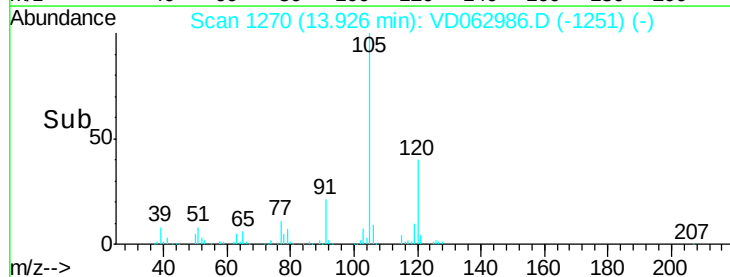
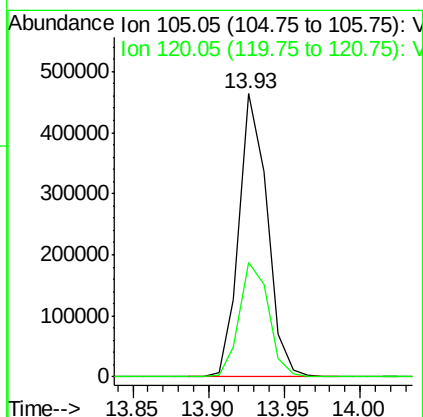
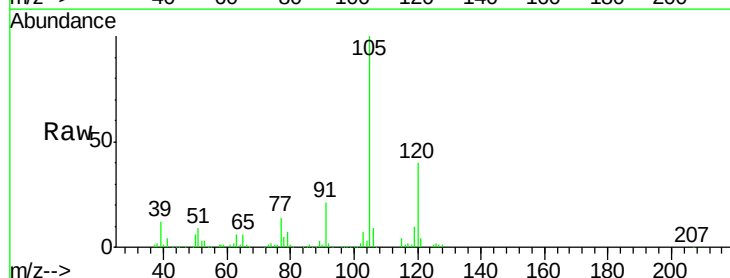
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

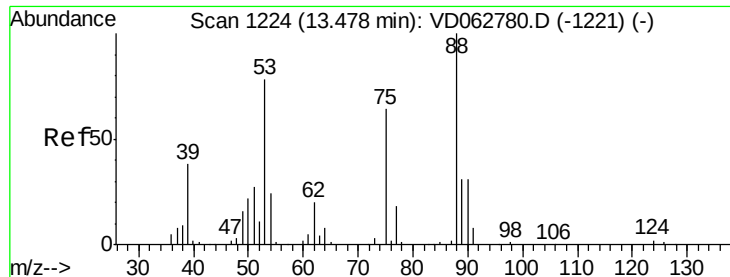
Tot Ion: 91 Resp: 480143
 Ion Ratio Lower Upper
 91 100
 126 33.1 15.7 47.1



#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





#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 :

VD0701SBSD02

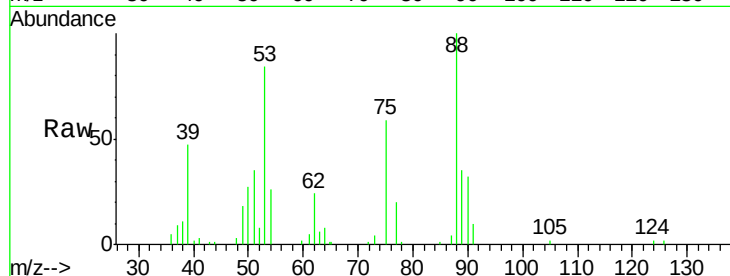
Tot Ion: 75 Resp: 32122

Ion Ratio Lower Upper

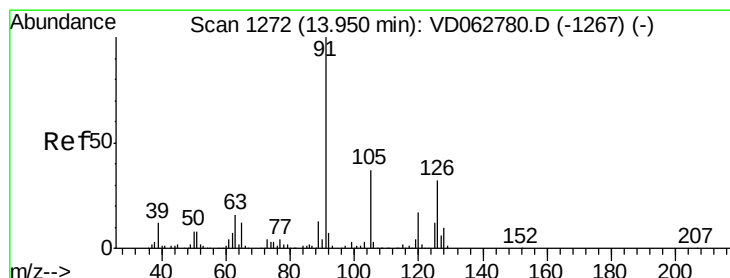
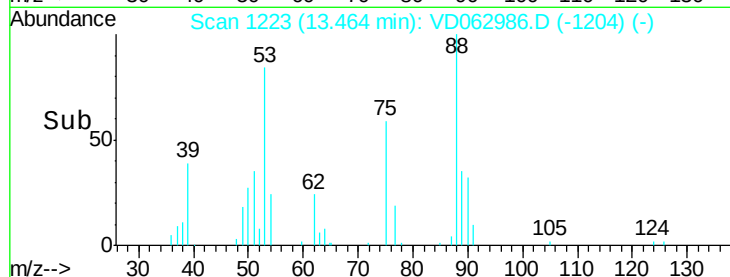
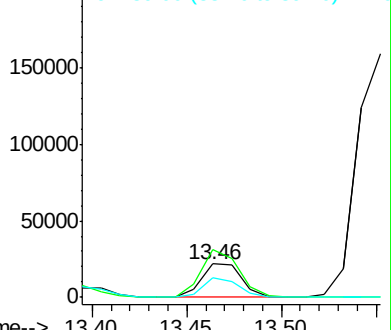
75 100

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

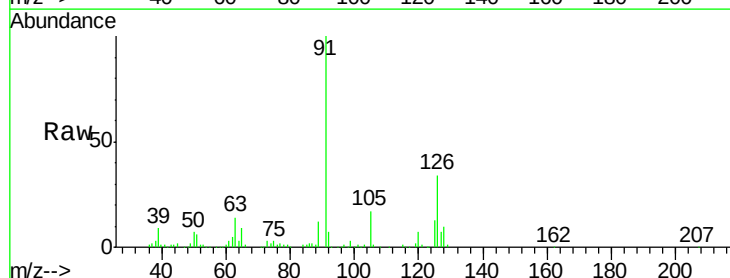
Acq: 1 Jul 2019 13:25

Tgt Ion: 91 Resp: 604791

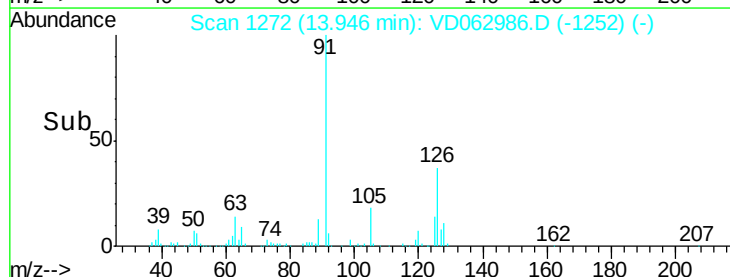
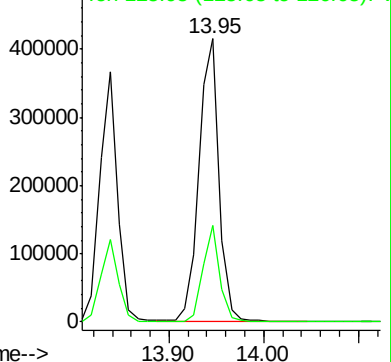
Ion Ratio Lower Upper

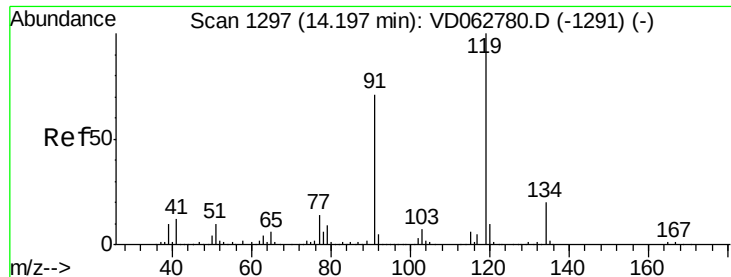
91 100

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

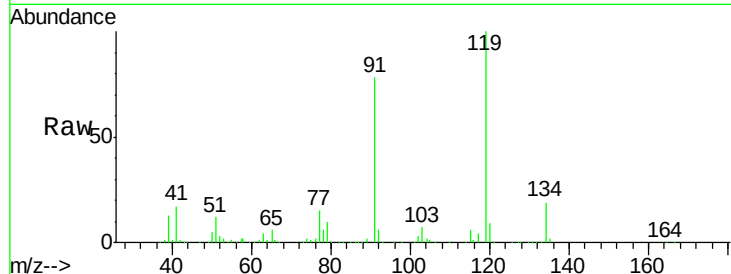




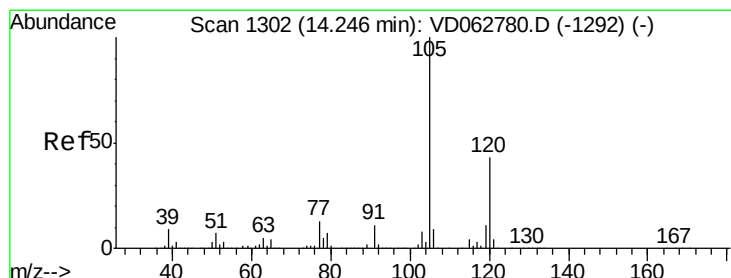
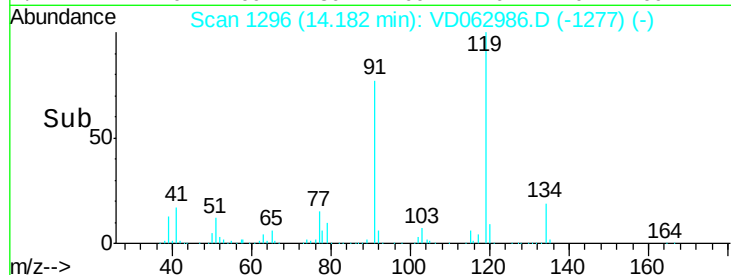
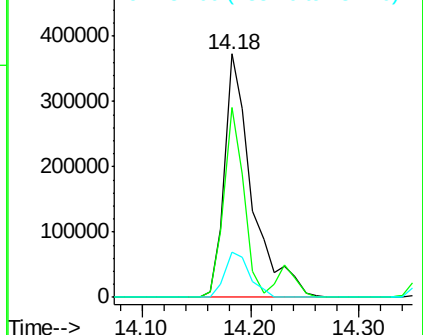
#83
 tert-Butylbenzene
 Concen: 20.246 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

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

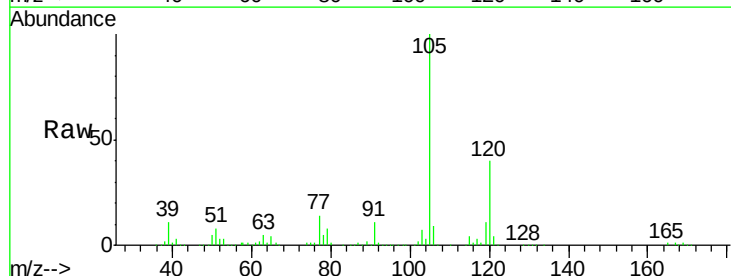


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

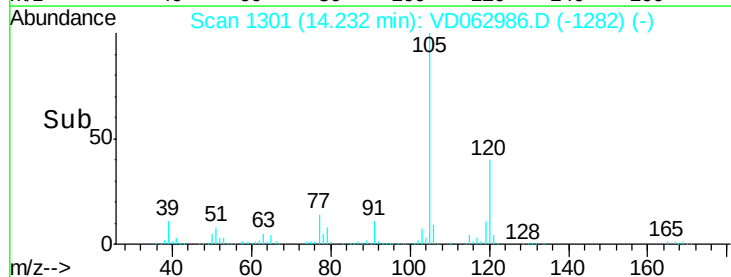
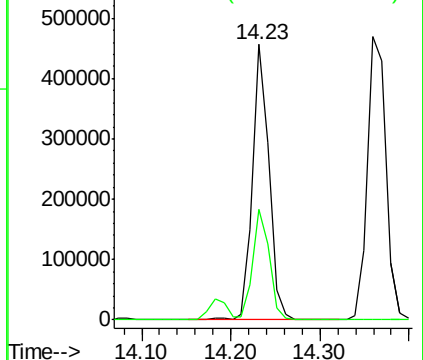


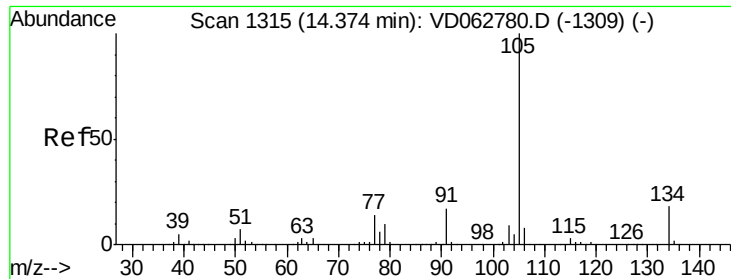
#84
 1,2,4-Trimethylbenzene
 Concen: 19.169 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

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

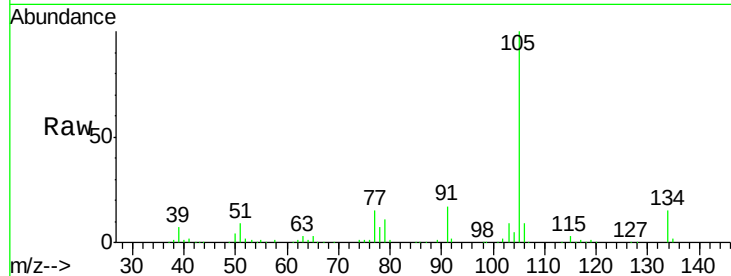




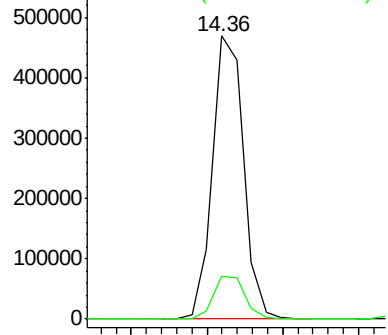
#85
 sec-Butylbenzene
 Concen: 18.755 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0701SBSD02

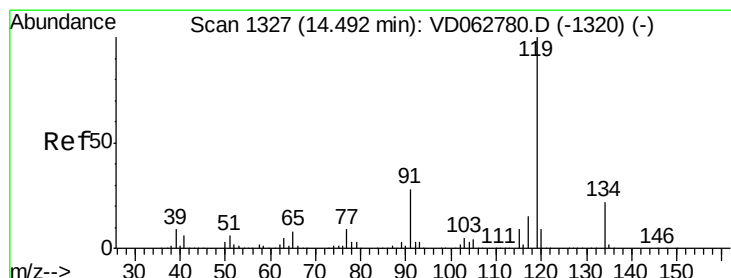
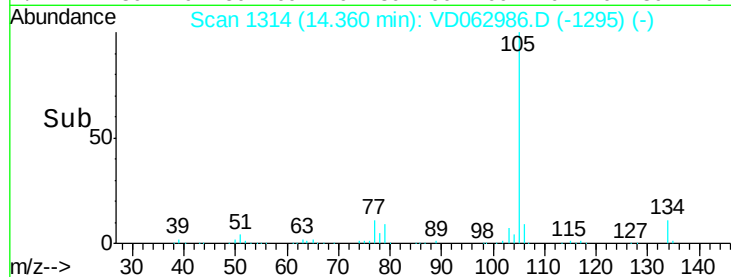
Tot Ion:105 Resp: 667604
 Ion Ratio Lower Upper
 105 100
 134 15.2 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

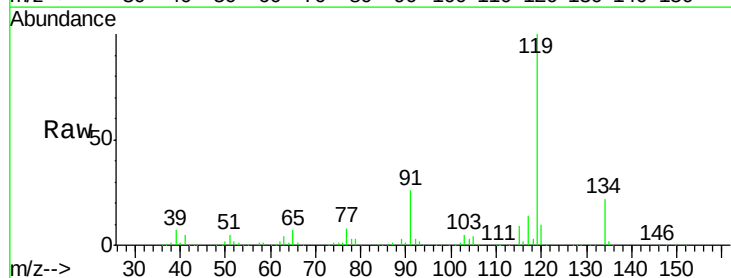


Time-->

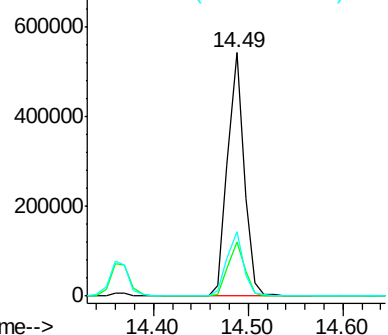


#86
 p-Isopropyltoluene
 Concen: 20.399 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

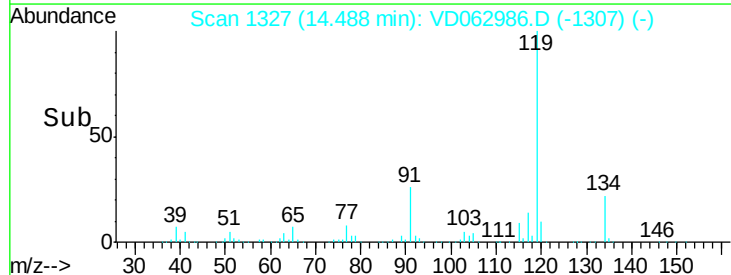
Tgt Ion:119 Resp: 664262
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.1 33.1
 91 26.3 14.0 41.9

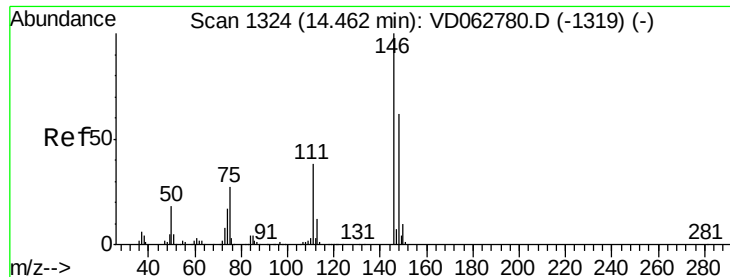


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V



Time-->

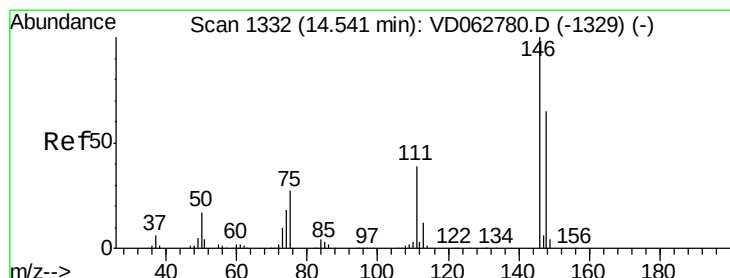
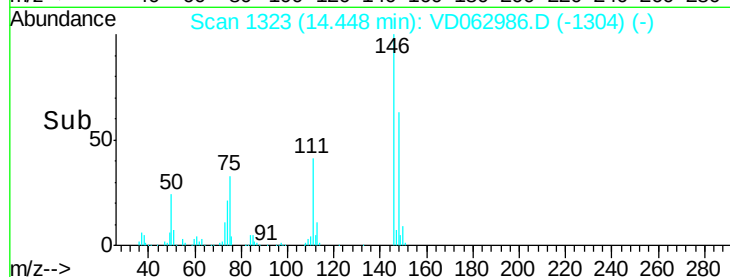
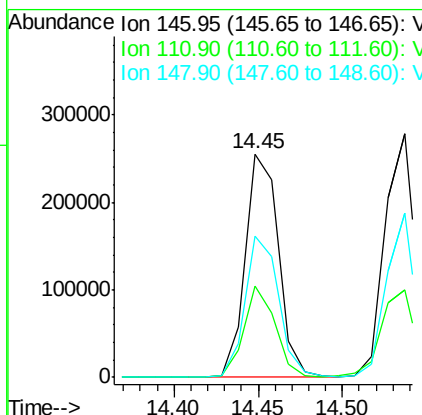
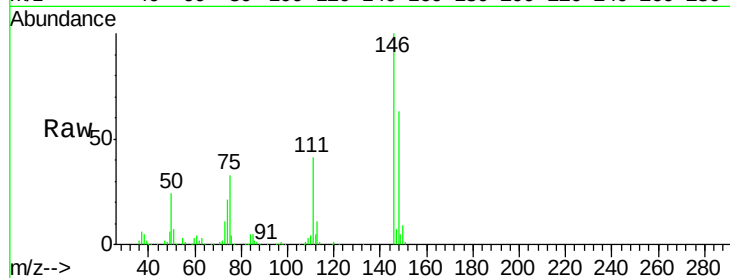




#87
 1,3-Dichlorobenzene
 Concen: 20.708 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

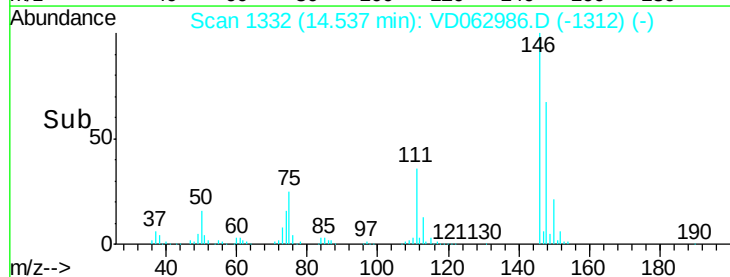
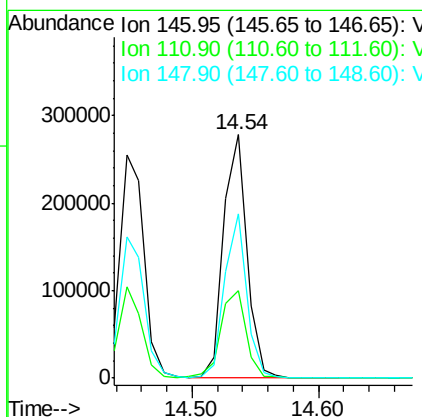
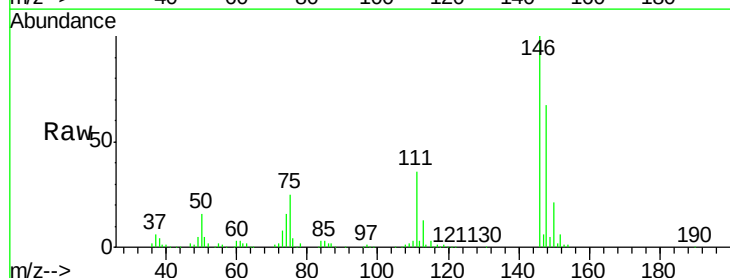
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

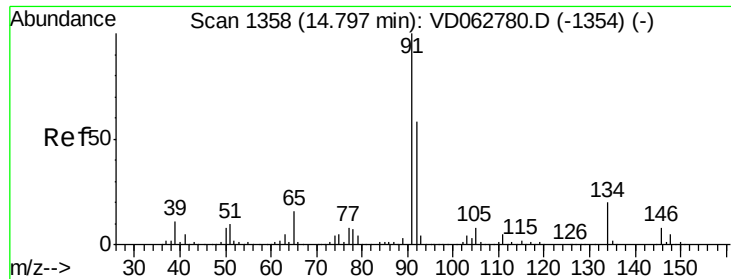
Tot Ion:146 Resp: 349250
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.0 57.0
 148 63.2 30.8 92.3



#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 :

VD0701SBSD02

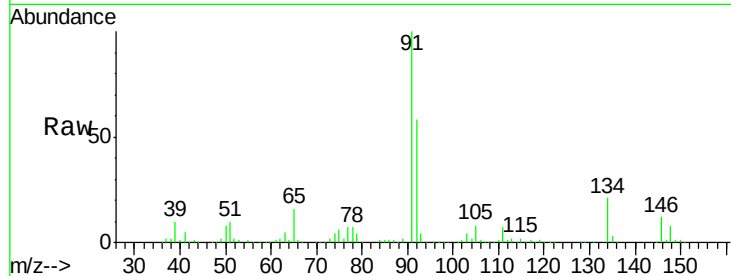
Tot Ion: 91 Resp: 610302

Ion Ratio Lower Upper

91 100

92 58.0 28.9 86.7

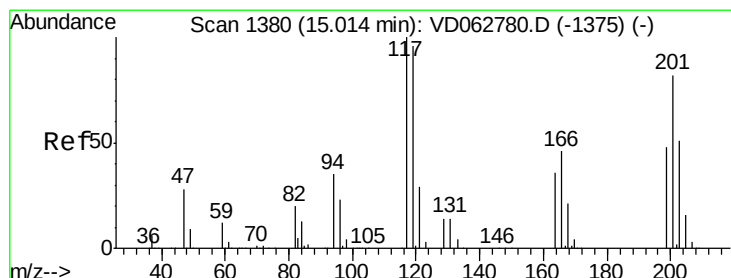
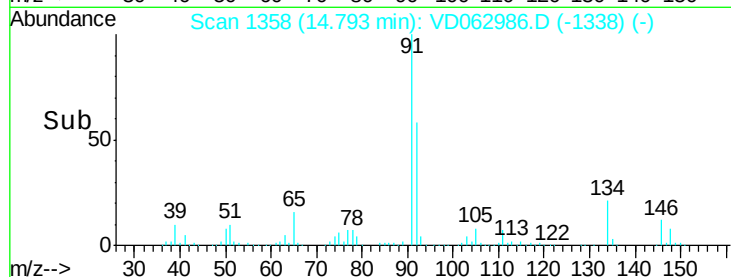
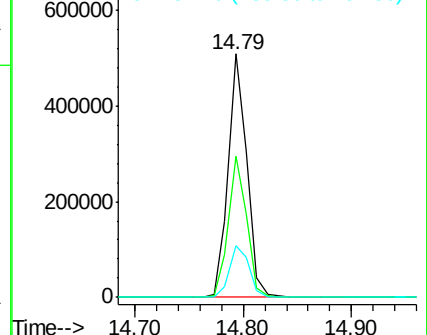
134 21.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.229 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062986.D

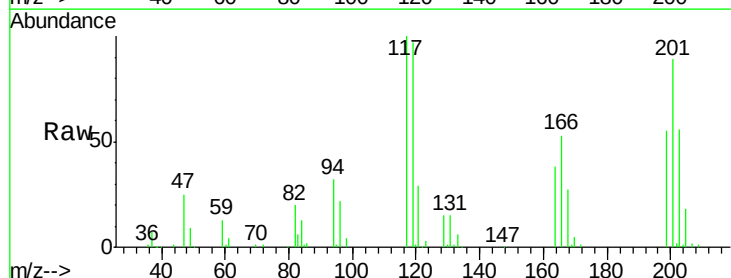
Acq: 1 Jul 2019 13:25

Tgt Ion: 117 Resp: 177118

Ion Ratio Lower Upper

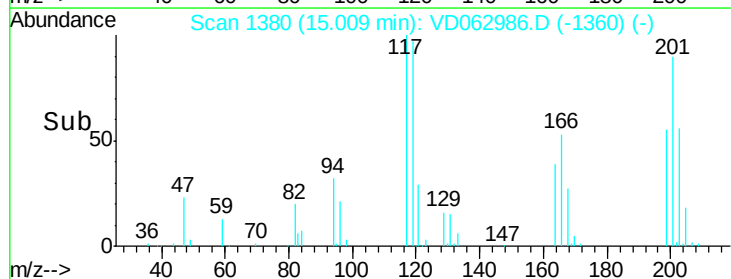
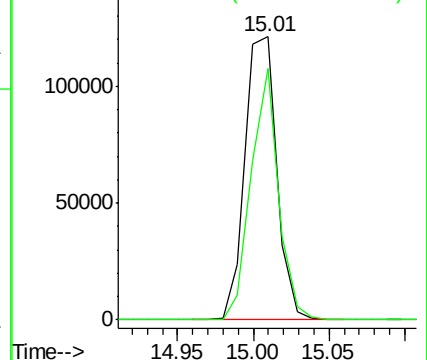
117 100

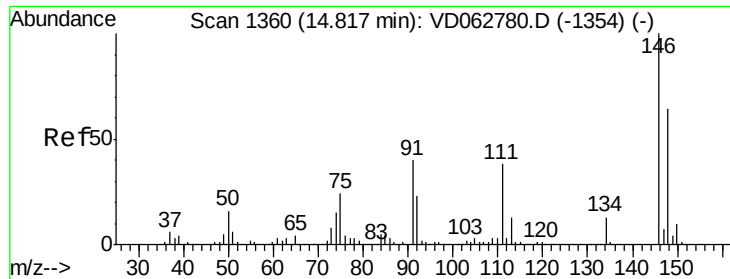
201 88.9 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#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 :

VD0701SBSD02

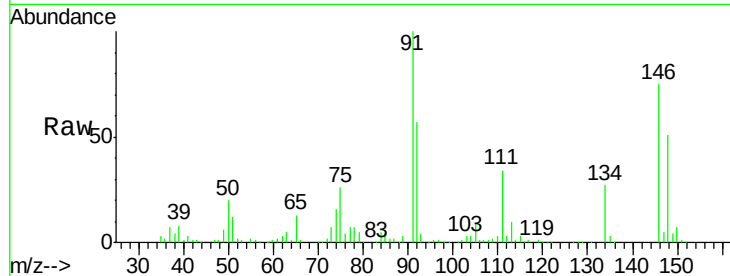
Tot Ion:146 Resp: 300894

Ion Ratio Lower Upper

146 100

111 44.5 19.1 57.1

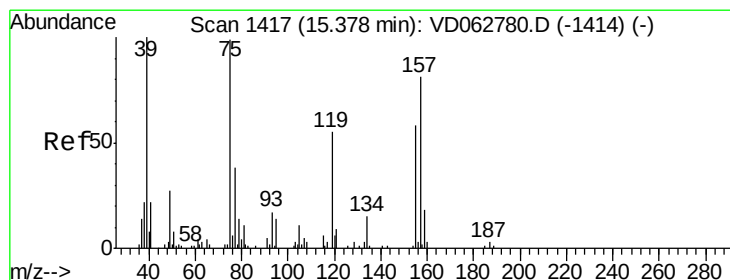
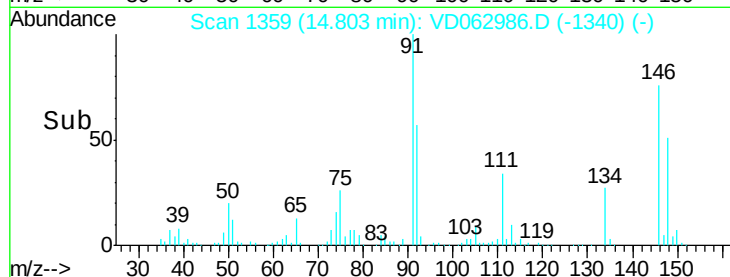
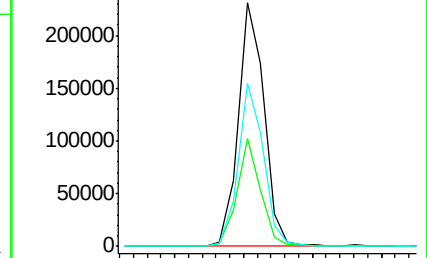
148 67.0 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

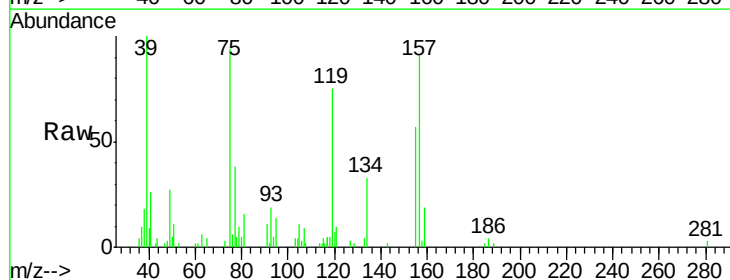
Tgt Ion: 75 Resp: 22984

Ion Ratio Lower Upper

75 100

155 60.9 29.3 87.8

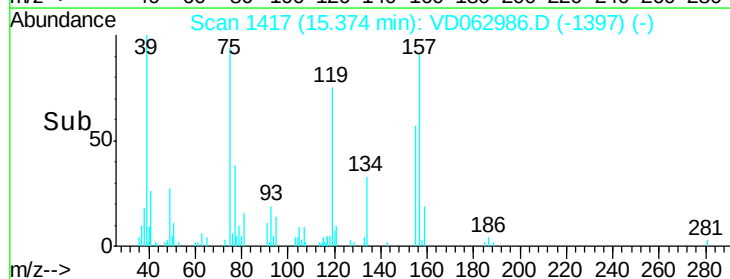
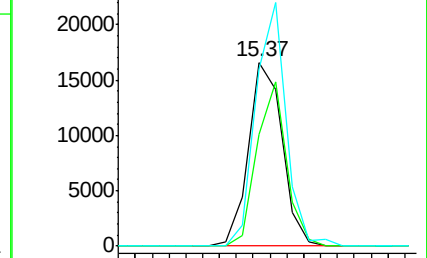
157 96.5 41.3 123.7

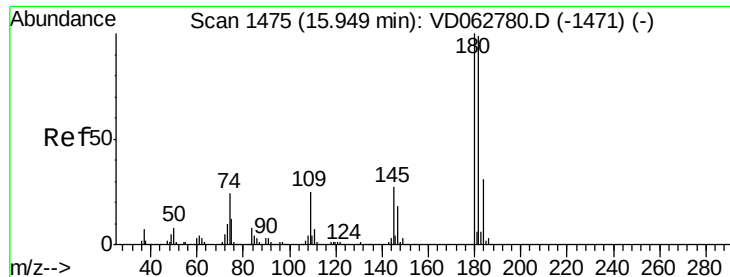


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

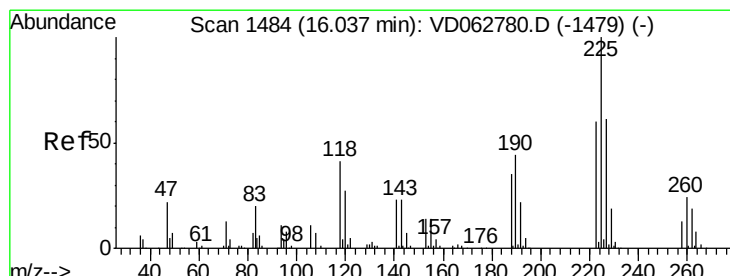
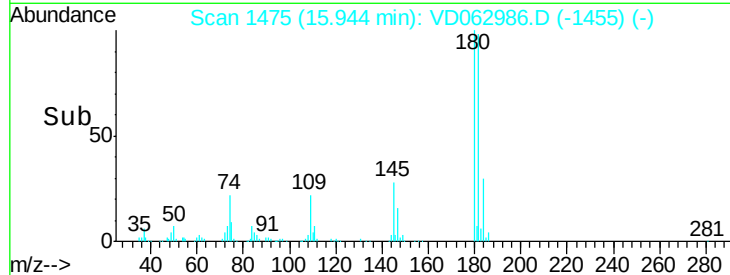
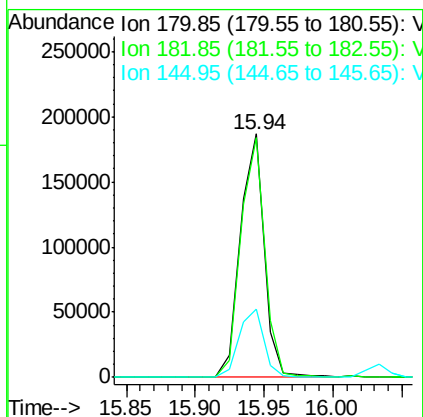
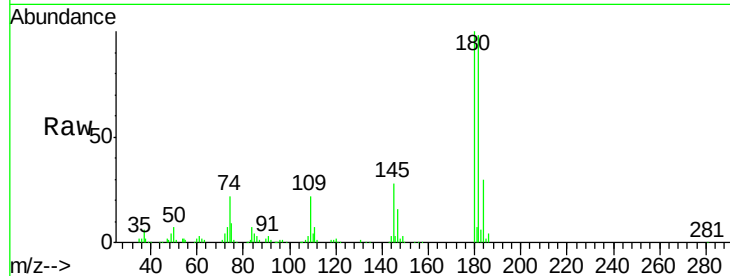




#93
 1,2,4-Trichlorobenzene
 Concen: 20.167 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062986.D
 Acq: 1 Jul 2019 13:25

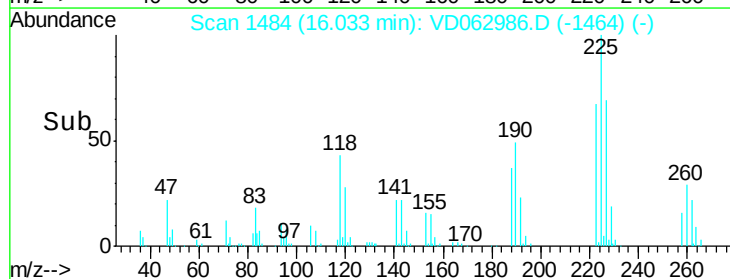
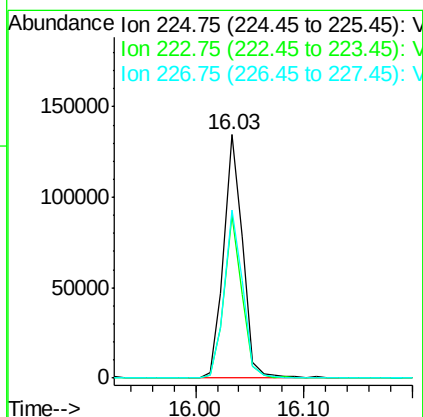
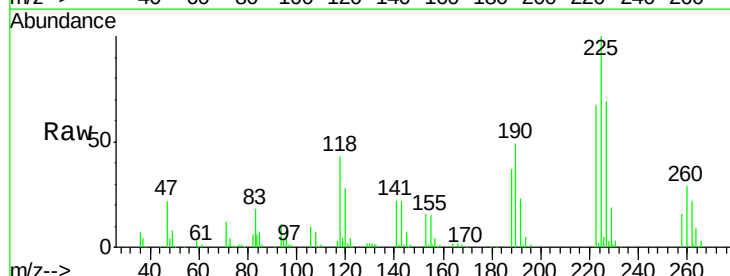
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBSD02

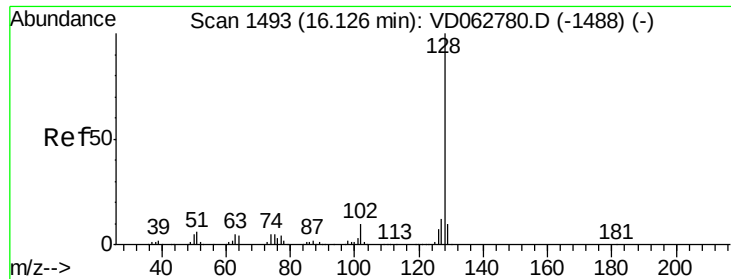
Tot Ion:180 Resp: 227326
 Ion Ratio Lower Upper
 180 100
 182 98.4 49.5 148.5
 145 27.8 13.7 41.0



#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

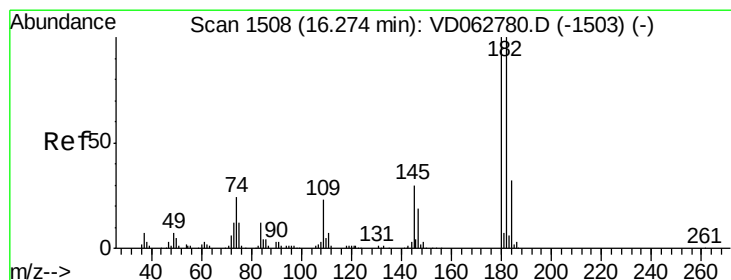
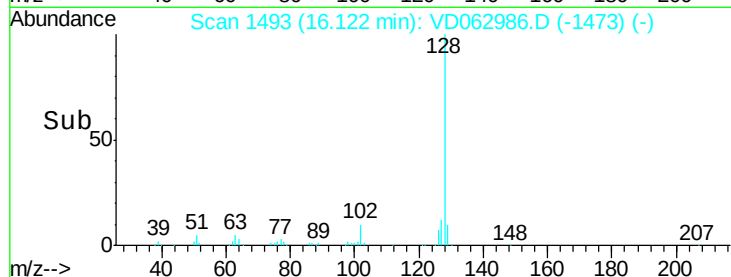
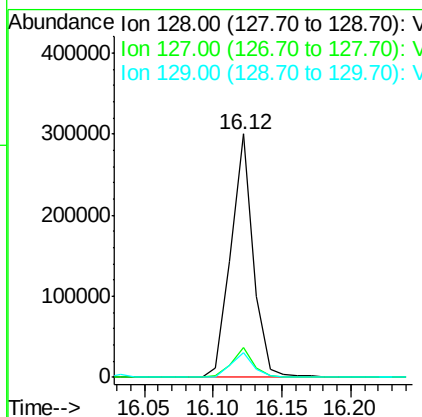
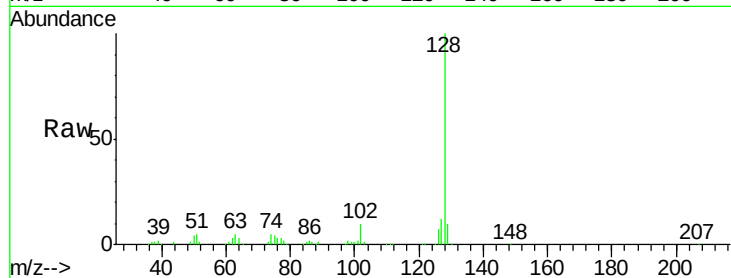




#95
Naphthalene
Concen: 21.415 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062986.D
Acq: 1 Jul 2019 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0701SBSD02

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

