

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062744.D
 Acq On : 18 Jun 2019 12:48
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	625849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	863304	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	714640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	411316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	500298	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
35) Dibromofluoromethane	6.92	113	511326	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
50) Toluene-d8	10.41	98	1056051	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
62) 4-Bromofluorobenzene	13.56	95	491908	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	156303	19.931	ug/l	97
3) Chloromethane	1.75	50	120235	19.416	ug/l	96
4) Vinyl Chloride	1.84	62	121966	19.100	ug/l	92
5) Bromomethane	2.15	94	47324	14.682	ug/l #	93
6) Chloroethane	2.26	64	58600	18.587	ug/l	97
7) Trichlorofluoromethane	2.52	101	278278	19.470	ug/l	96
8) Diethyl Ether	2.87	74	38556	19.834	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	140133	18.180	ug/l	89
10) Methyl Iodide	3.30	142	159977	17.160	ug/l	96
11) Tert butyl alcohol	4.07	59	39116	105.372	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	108907	19.688	ug/l	96
13) Acrolein	3.04	56	10092	84.516	ug/l	95
14) Allyl chloride	3.62	41	170451	20.040	ug/l	85
15) Acrylonitrile	4.20	53	80645	95.601	ug/l	95
16) Acetone	3.22	43	155594	94.088	ug/l	100
17) Carbon Disulfide	3.37	76	292636	17.952	ug/l	97
18) Methyl Acetate	3.64	43	59258	21.804	ug/l #	88
19) Methyl tert-butyl Ether	4.24	73	252115	18.687	ug/l	98
20) Methylene Chloride	3.80	84	133707	21.145	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	112050	18.467	ug/l	93
22) Diisopropyl ether	5.12	45	343743	19.464	ug/l	89
23) Vinyl Acetate	5.05	43	1068080	97.485	ug/l	97
24) 1,1-Dichloroethane	4.98	63	219152	19.289	ug/l	97
25) 2-Butanone	6.08	43	155617	96.457	ug/l	95
26) 2,2-Dichloropropane	6.02	77	247972	18.938	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	126199	19.185	ug/l	99
28) Bromochloromethane	6.44	49	87023	20.037	ug/l	93
29) Tetrahydrofuran	6.46	42	68961	94.918	ug/l	95
30) Chloroform	6.66	83	273566	18.767	ug/l	89
31) Cyclohexane	6.95	56	136159	19.105	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	286267	19.736	ug/l	98
36) 1,1-Dichloropropene	7.14	75	180722	18.291	ug/l	98
37) Ethyl Acetate	6.19	43	80592	19.871	ug/l #	91
38) Carbon Tetrachloride	7.11	117	284530	18.219	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	152675	19.122	ug/l	97
40) Benzene	7.46	78	356954	18.499	ug/l	95
41) Methacrylonitrile	6.45	41	101112	19.549	ug/l	88
42) 1,2-Dichloroethane	7.57	62	203685	17.710	ug/l	91
43) Isopropyl Acetate	9.24	43	94547	18.135	ug/l #	92
44) Trichloroethene	8.54	130	146833	18.744	ug/l	99
45) 1,2-Dichloropropane	8.94	63	92055	19.862	ug/l	97
46) Dibromomethane	9.06	93	77688	18.884	ug/l	94
47) Bromodichloromethane	9.38	83	211428	18.892	ug/l	99
48) Methyl methacrylate	9.12	41	70468	18.710	ug/l	89
49) 1,4-Dioxane	9.08	88	11180	363.522	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	340106	93.233	ug/l	99
52) Toluene	10.51	92	244812	18.875	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	163848	17.857	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	179194	18.896	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	84357	18.965	ug/l	99
56) Ethyl methacrylate	11.05	69	86353	18.782	ug/l	94
57) 1,3-Dichloropropane	11.40	76	129679	18.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	261766	110.108	ug/l	96
59) 2-Hexanone	11.53	43	260985	96.179	ug/l	94
60) Dibromochloromethane	11.69	129	161110	18.349	ug/l	97
61) 1,2-Dibromoethane	11.81	107	102006	19.161	ug/l	94
64) Tetrachloroethene	11.26	164	126433	18.899	ug/l	95
65) Chlorobenzene	12.40	112	289225	18.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	132044	17.514	ug/l	95
67) Ethyl Benzene	12.53	91	519602	18.539	ug/l	98
68) m/p-Xylenes	12.67	106	377130	38.275	ug/l	100
69) o-Xylene	13.05	106	185398	20.488	ug/l	97
70) Styrene	13.08	104	328577	20.350	ug/l	92
71) Bromoform	13.23	173	97705	18.768	ug/l	92
73) Isopropylbenzene	13.40	105	585909	20.210	ug/l	99
74) N-amyl acetate	13.26	43	146130	18.650	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	95133	19.177	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	106195	19.041	ug/l	99
77) Bromobenzene	13.67	156	149514	18.043	ug/l	88
78) n-propylbenzene	13.78	91	651657	18.363	ug/l	95
79) 2-Chlorotoluene	13.83	91	379686	18.273	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	509165	19.872	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	26135	18.466	ug/l	92
82) 4-Chlorotoluene	13.94	91	496898	19.997	ug/l	93
83) tert-Butylbenzene	14.19	119	539208	19.080	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	478927	18.878	ug/l	100
85) sec-Butylbenzene	14.37	105	591465	19.959	ug/l	96
86) p-Isopropyltoluene	14.49	119	535452	18.558	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	275118	18.327	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	275954	19.452	ug/l	95
89) n-Butylbenzene	14.80	91	510901	19.683	ug/l	97
90) Hexachloroethane	15.01	117	142107	18.657	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	244053	19.558	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19982	18.858	ug/l	76

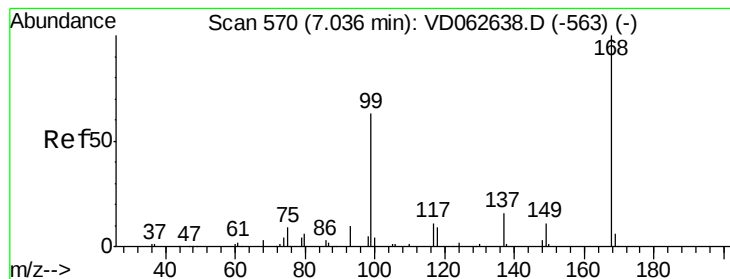
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	180771	19.427	ug/l	94
94) Hexachlorobutadiene	16.04	225	139556	18.942	ug/l	98
95) Naphthalene	16.12	128	262027	19.795	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	129969	18.083	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

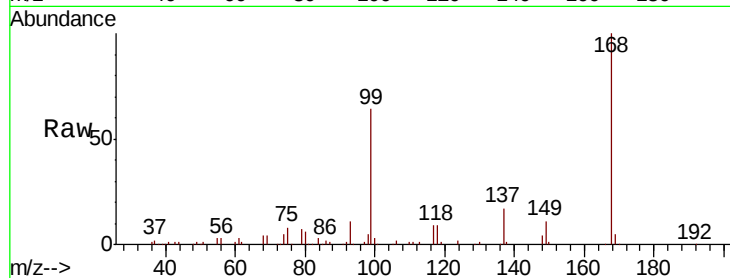
ClientSampleId :

Tot Ion:168 Resp: 625849

Ion Ratio Lower Upper

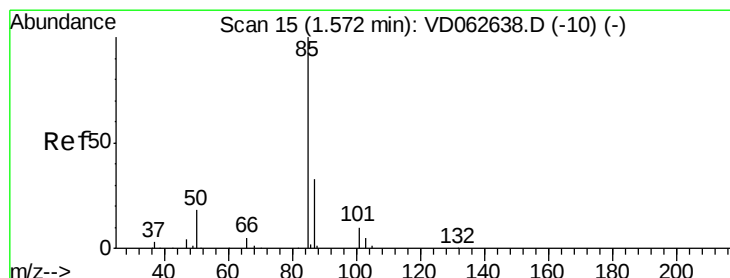
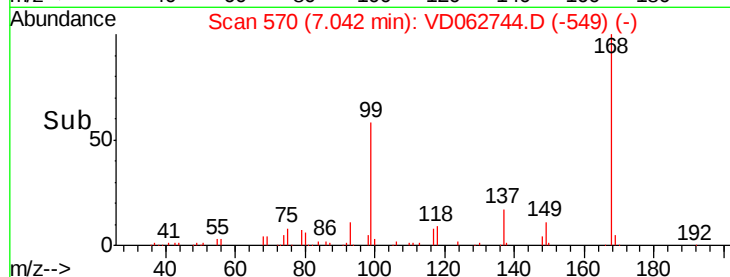
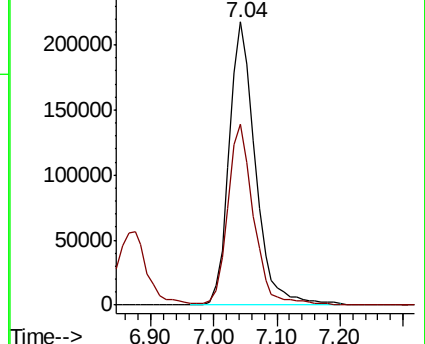
168 100

99 63.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.931 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062744.D

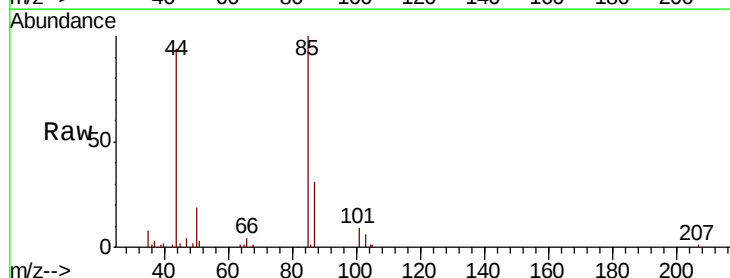
Acq: 18 Jun 2019 12:48

Tgt Ion: 85 Resp: 156303

Ion Ratio Lower Upper

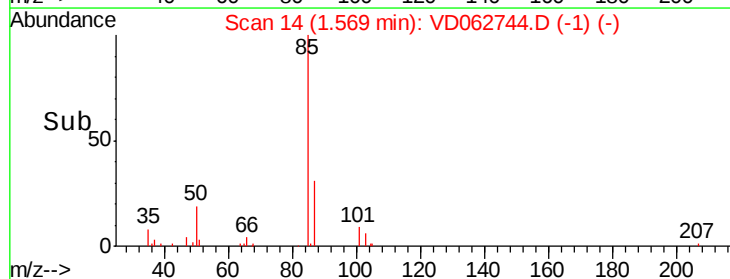
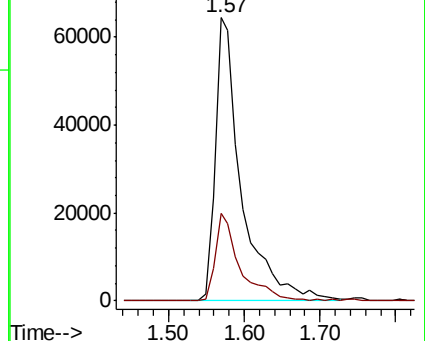
85 100

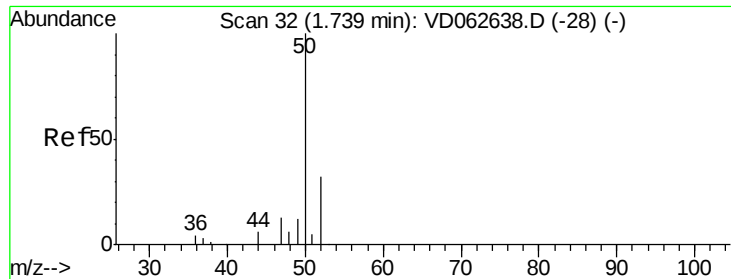
87 31.1 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.416 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

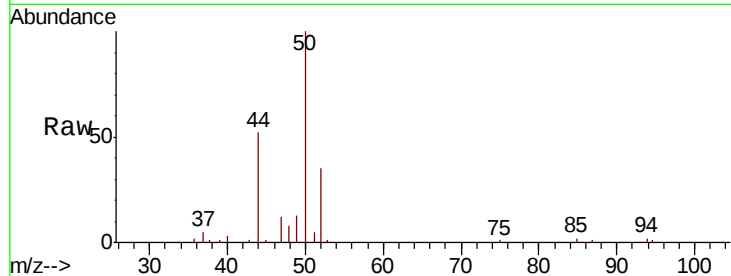
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 50 Resp: 120235

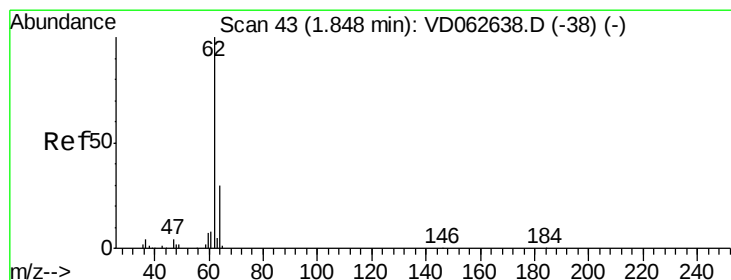
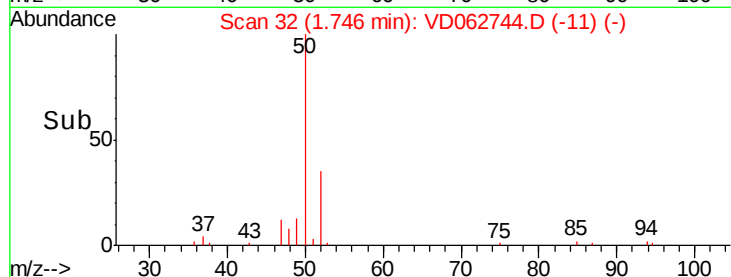
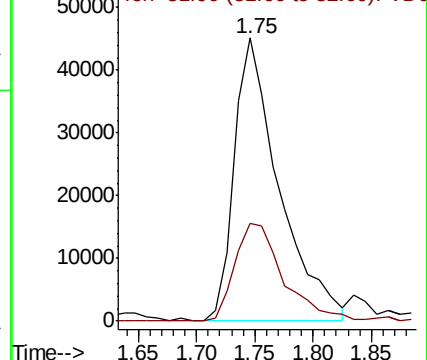
Ion Ratio Lower Upper

50 100

52 34.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.100 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062744.D

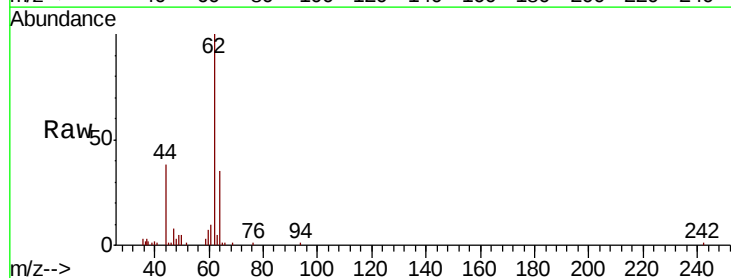
Acq: 18 Jun 2019 12:48

Tgt Ion: 62 Resp: 121966

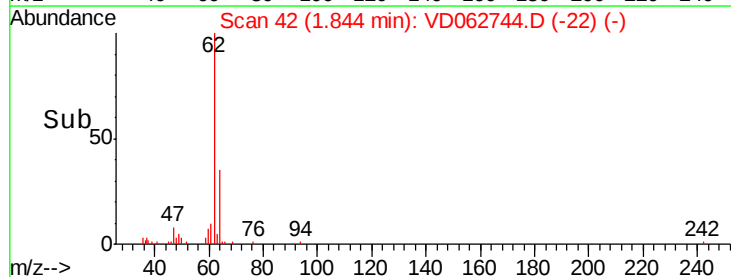
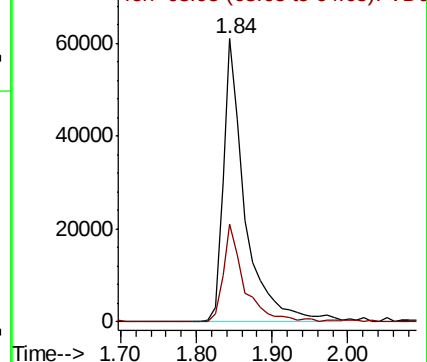
Ion Ratio Lower Upper

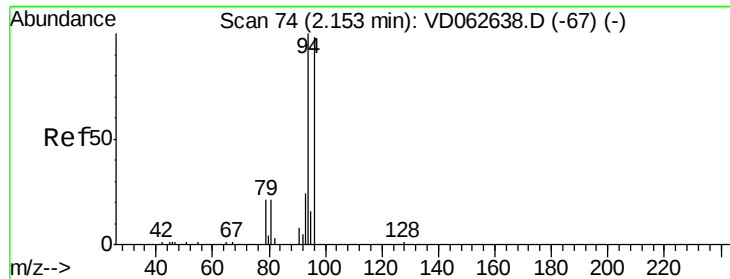
62 100

64 34.5 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.682 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

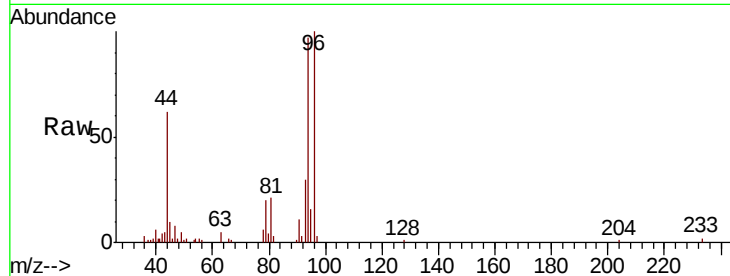
Tot Ion: 94 Resp: 47324

Ion Ratio Lower Upper

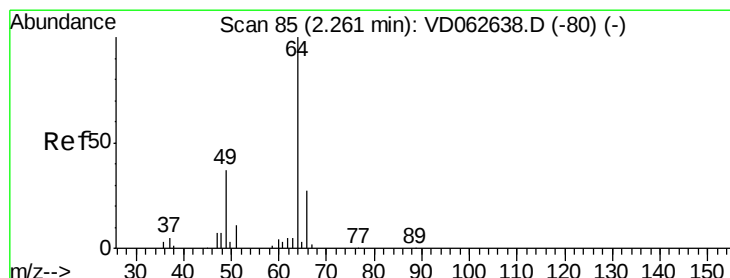
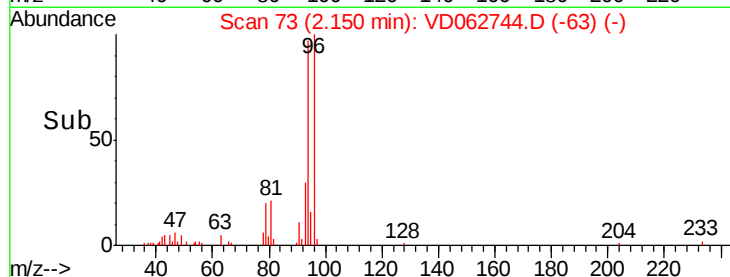
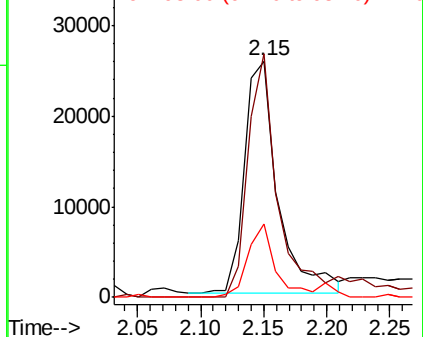
94 100

96 103.0 78.1 117.1

93 30.8 19.6 29.4#



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: 18.587 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062744.D

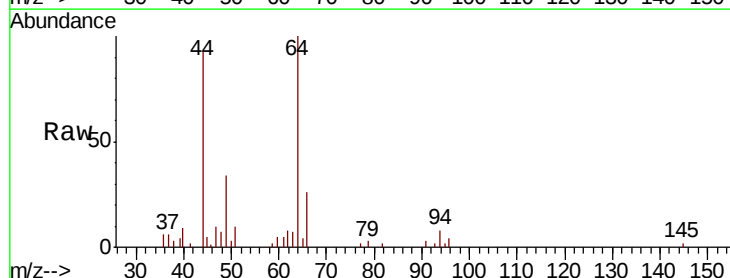
Acq: 18 Jun 2019 12:48

Tgt Ion: 64 Resp: 58600

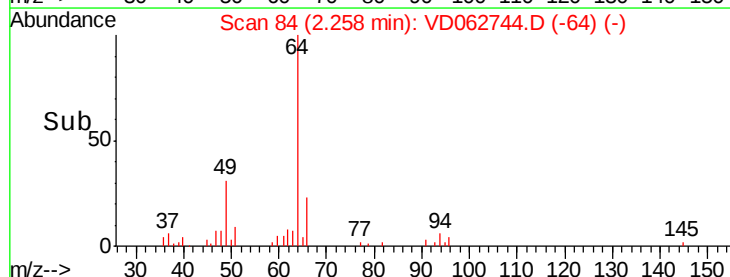
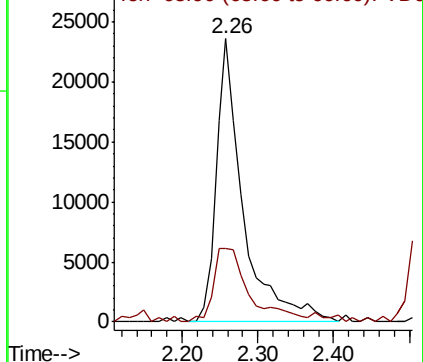
Ion Ratio Lower Upper

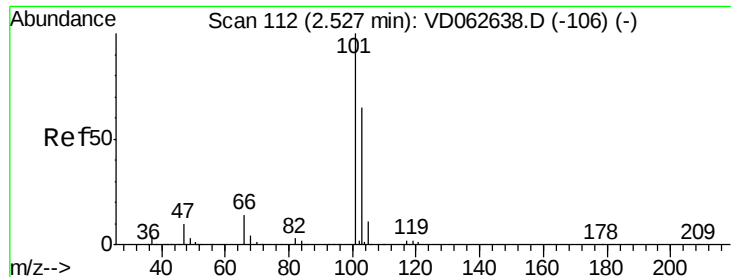
64 100

66 25.8 21.9 32.9



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



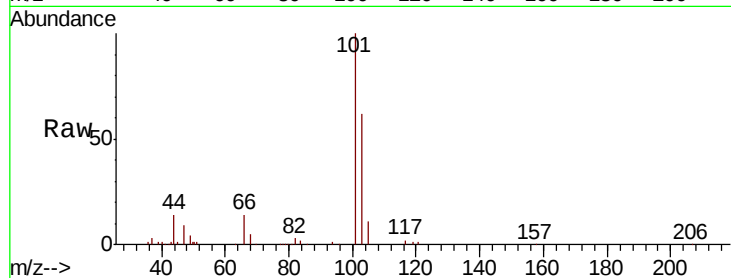


#7

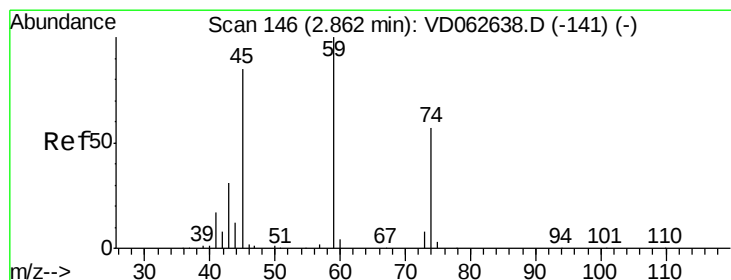
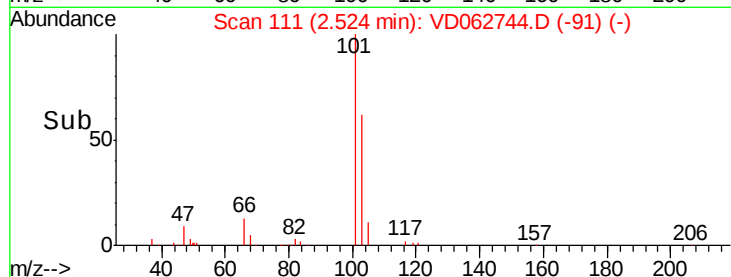
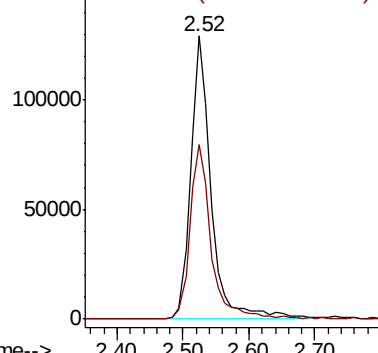
Trichlorofluoromethane
Concen: 19.470 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 278278
Ion Ratio Lower Upper
101 100
103 61.8 52.2 78.2



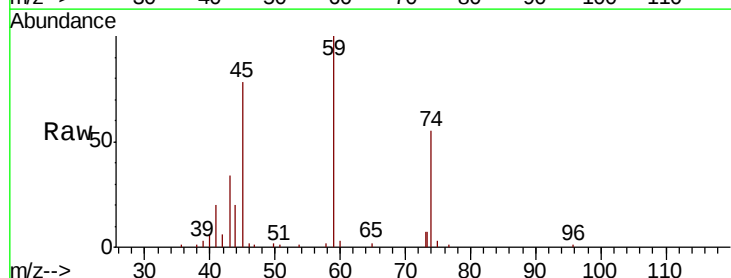
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



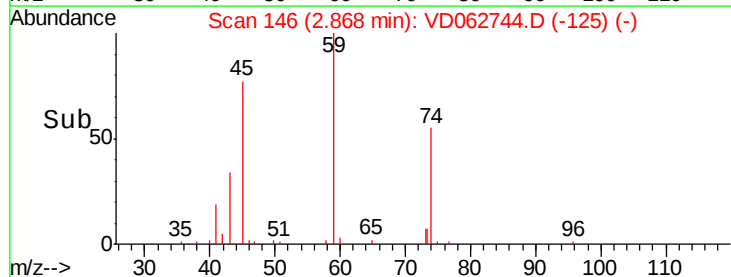
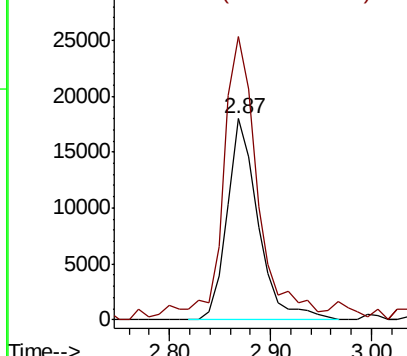
#8

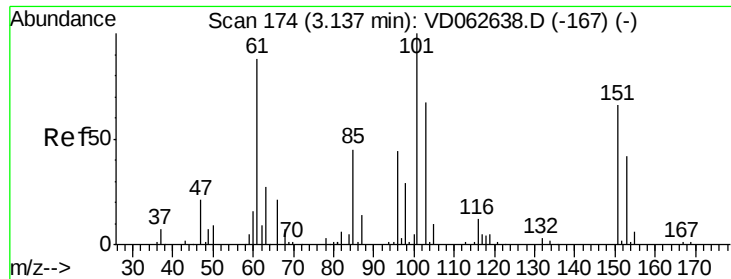
Diethyl Ether
Concen: 19.834 ug/l
RT: 2.87 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 74 Resp: 38556
Ion Ratio Lower Upper
74 100
45 140.8 74.9 224.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.180 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

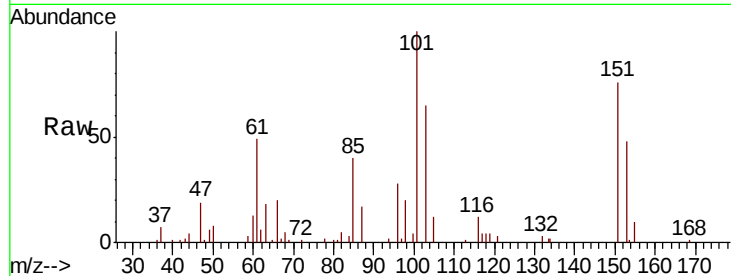
Tot Ion:101 Resp: 140133

Ion Ratio Lower Upper

101 100

85 40.0 36.0 54.0

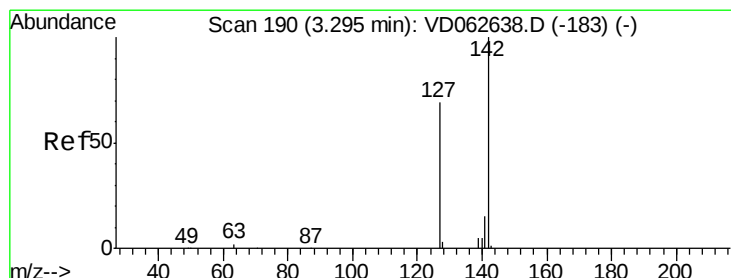
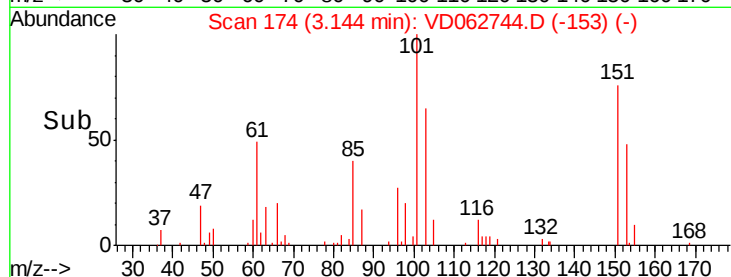
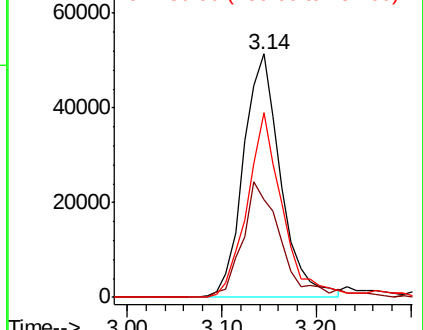
151 75.8 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.160 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

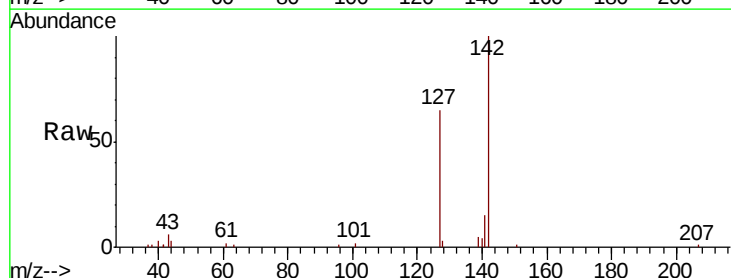
Tgt Ion:142 Resp: 159977

Ion Ratio Lower Upper

142 100

127 64.9 55.2 82.8

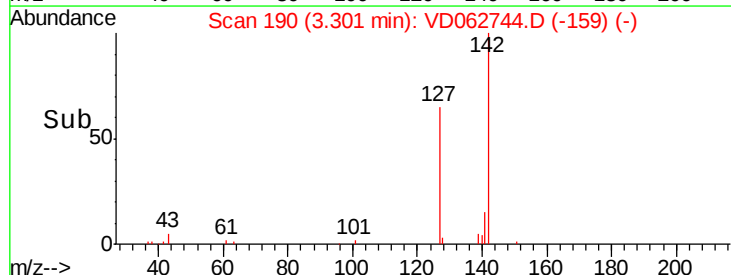
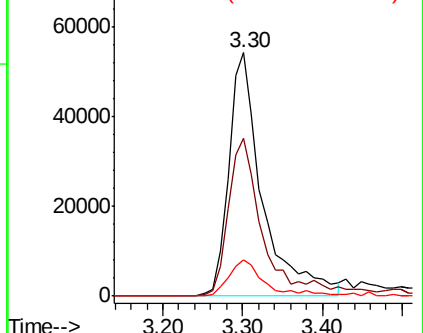
141 15.0 12.1 18.1

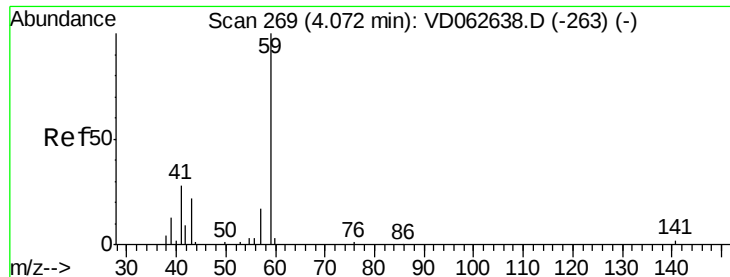


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



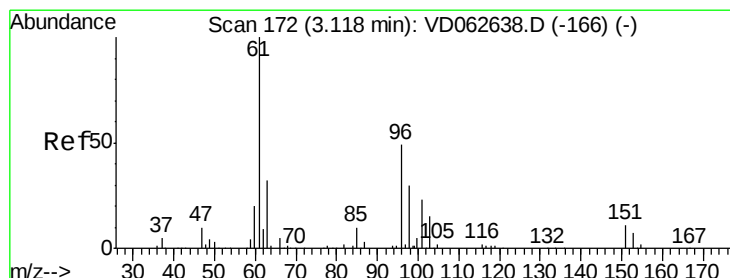
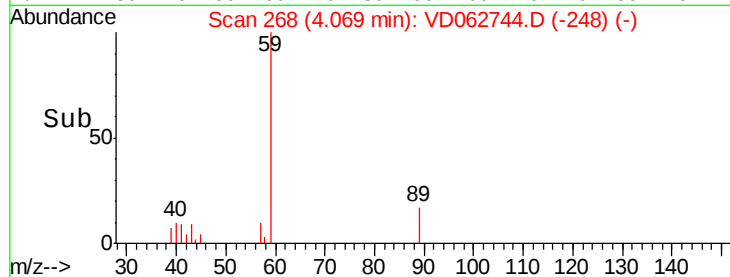
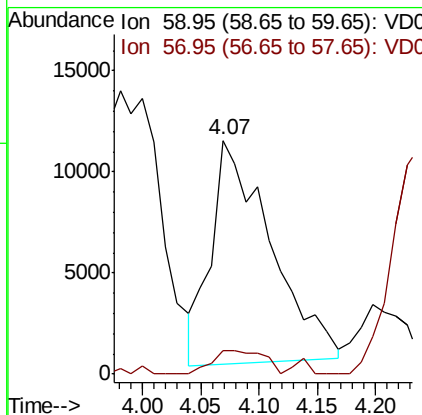
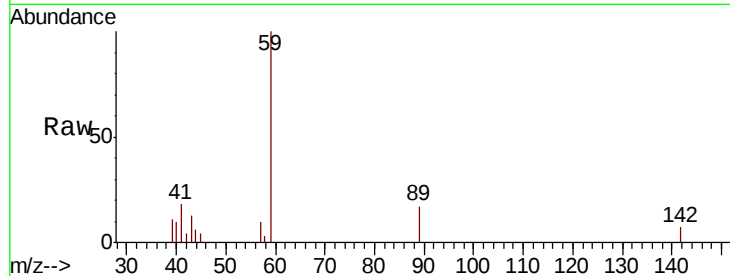


#11

Tert butyl alcohol
 Concen: 105.372 ug/l
 RT: 4.07 min Scan# 268
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Instrument :
 MSVOA_D
 ClientSampled :

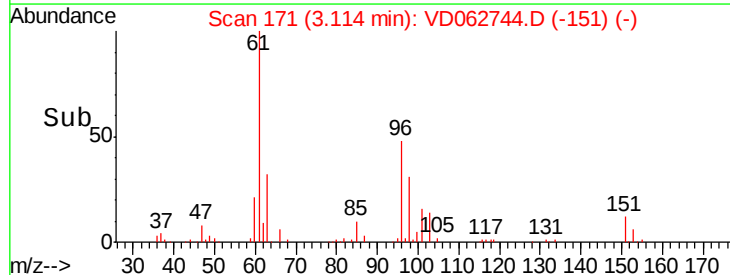
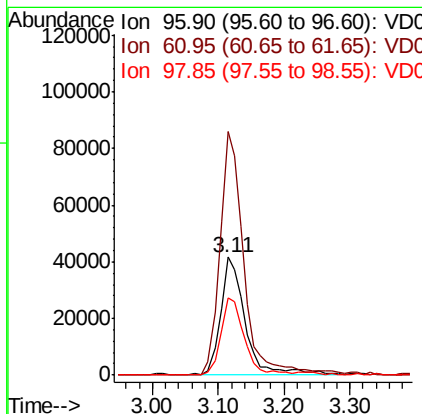
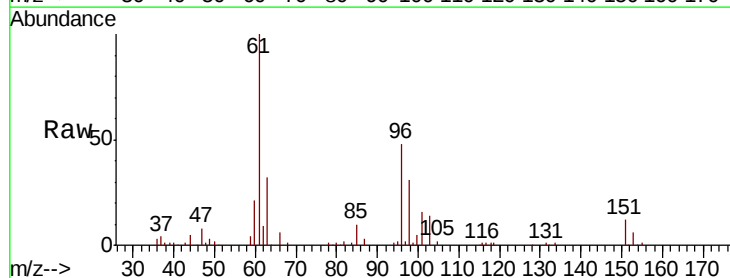
Tot Ion: 59 Resp: 39116
 Ion Ratio Lower Upper
 59 100
 57 10.2 13.7 20.5#

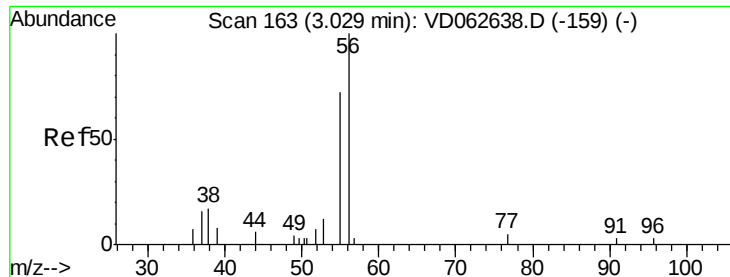


#12

1,1-Dichloroethene
 Concen: 19.688 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Tgt Ion: 96 Resp: 108907
 Ion Ratio Lower Upper
 96 100
 61 206.8 161.8 242.8
 98 65.1 48.2 72.4





#13

Acrolein

Concen: 84.516 ug/l

RT: 3.04 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

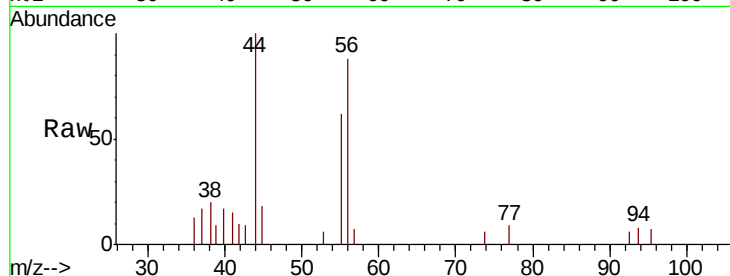
ClientSampleId :

Tot Ion: 56 Resp: 10092

Ion Ratio Lower Upper

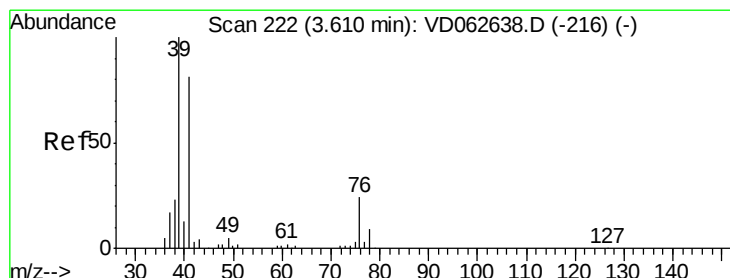
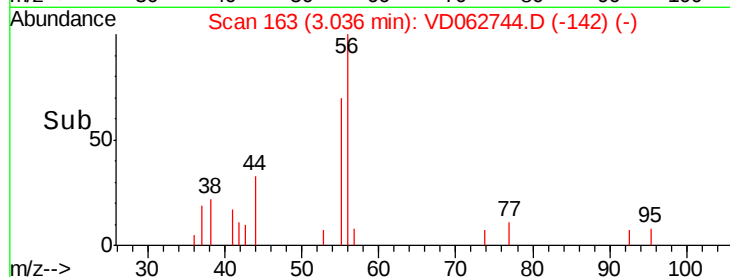
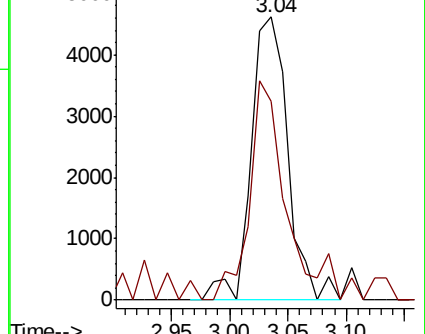
56 100

55 70.1 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.040 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

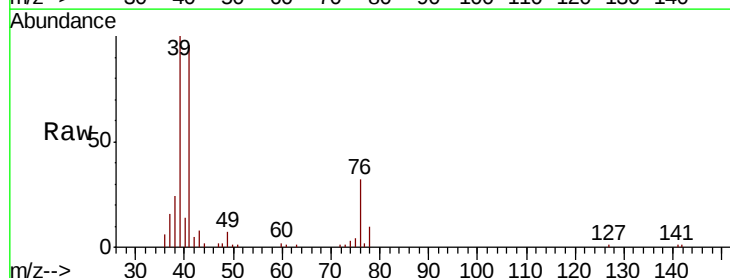
Tgt Ion: 41 Resp: 170451

Ion Ratio Lower Upper

41 100

39 103.8 99.1 148.7

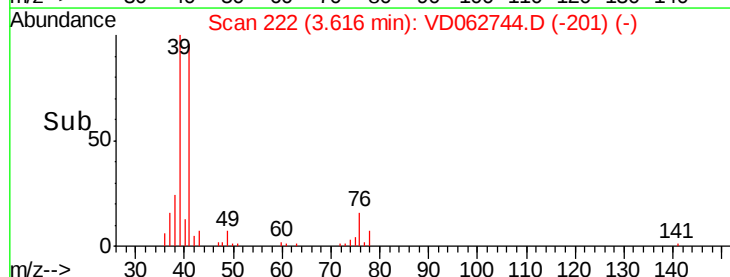
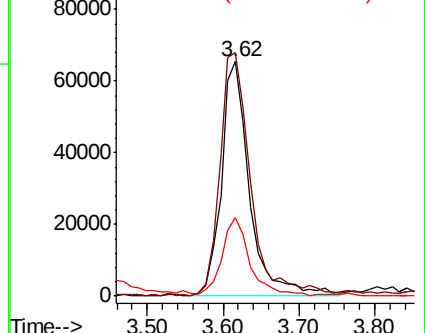
76 33.4 25.0 37.6

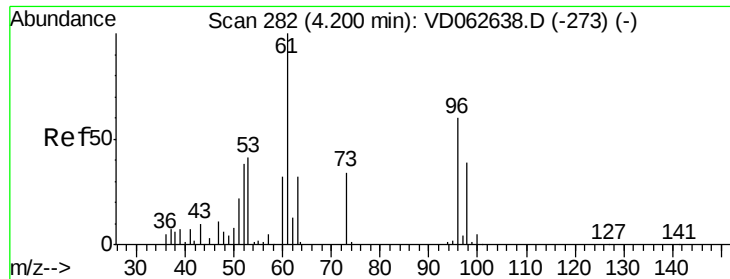


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.601 ug/l

RT: 4.20 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :

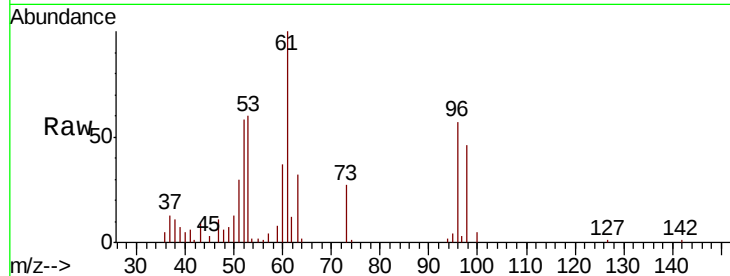
Tot Ion: 53 Resp: 80645

Ion Ratio Lower Upper

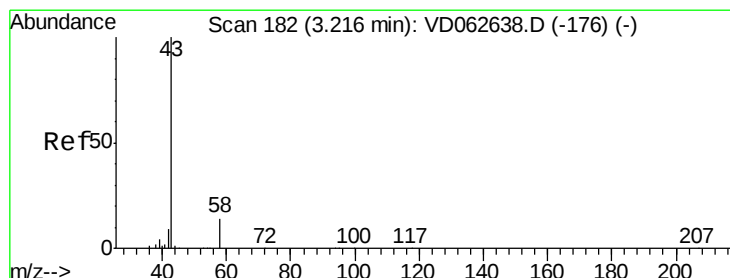
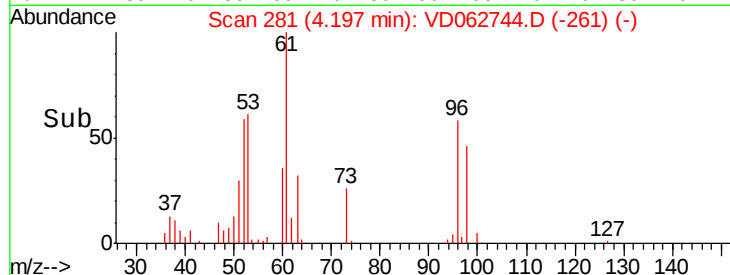
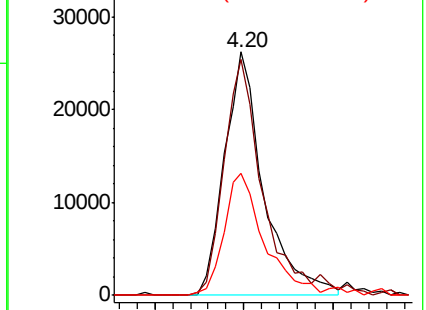
53 100

52 97.1 73.6 110.4

51 50.0 42.0 63.0



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: 94.088 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062744.D

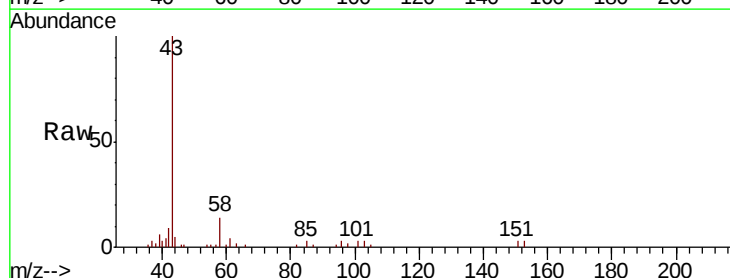
Acq: 18 Jun 2019 12:48

Tgt Ion: 43 Resp: 155594

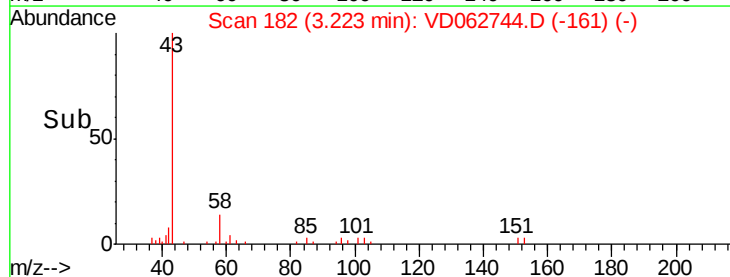
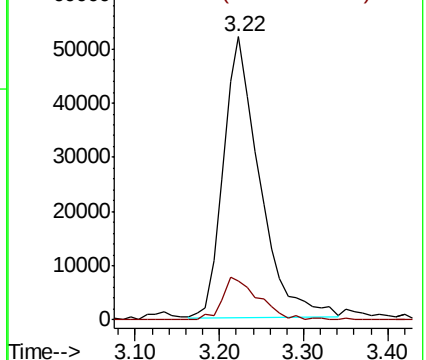
Ion Ratio Lower Upper

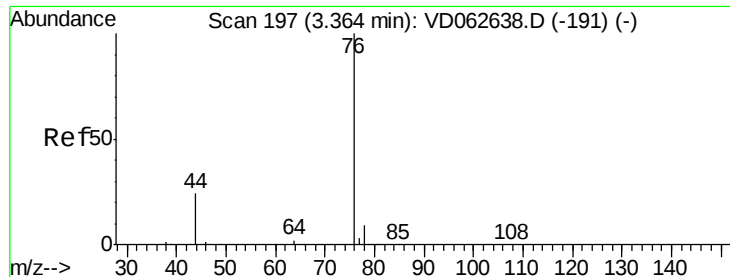
43 100

58 13.5 10.8 16.2



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

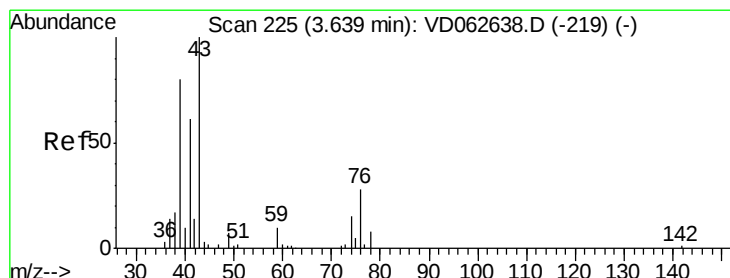
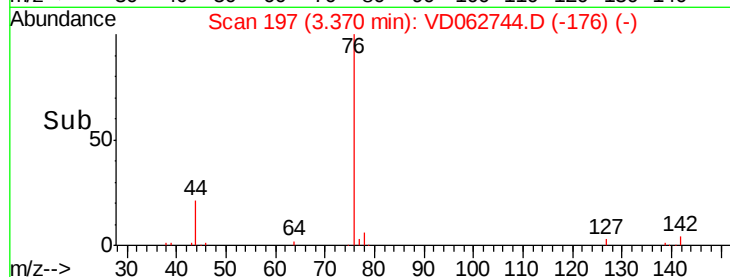
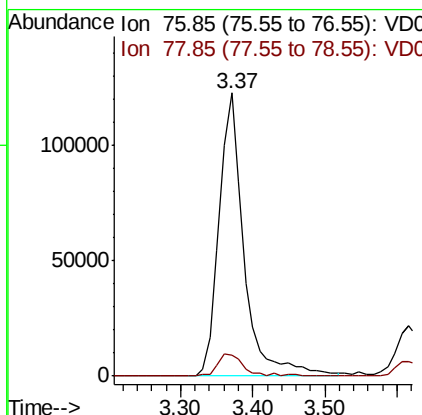
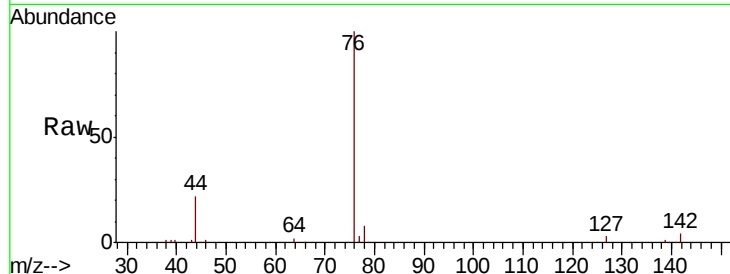




#17
Carbon Disulfide
Concen: 17.952 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

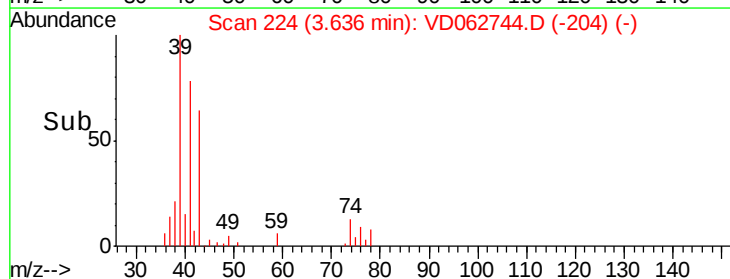
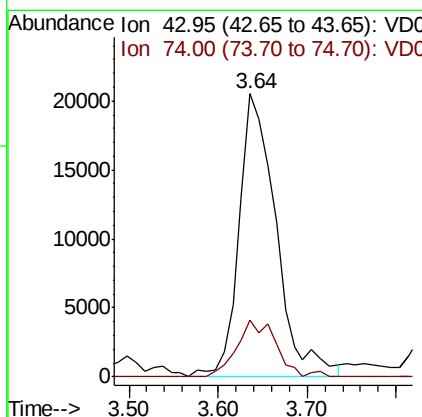
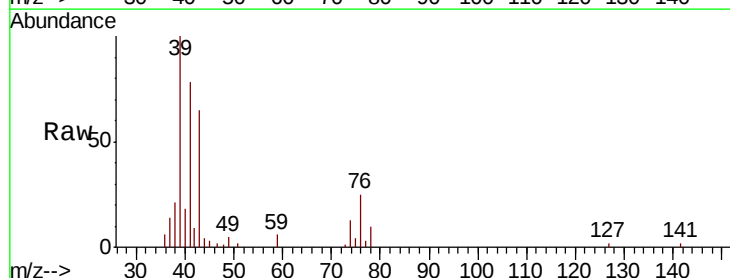
Instrument :
MSVOA_D
ClientSampleId :

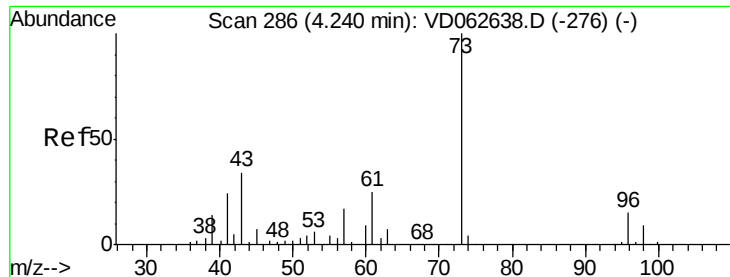
Tot Ion: 76 Resp: 292636
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4



#18
Methyl Acetate
Concen: 21.804 ug/l
RT: 3.64 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 43 Resp: 59258
Ion Ratio Lower Upper
43 100
74 20.3 12.1 18.1#

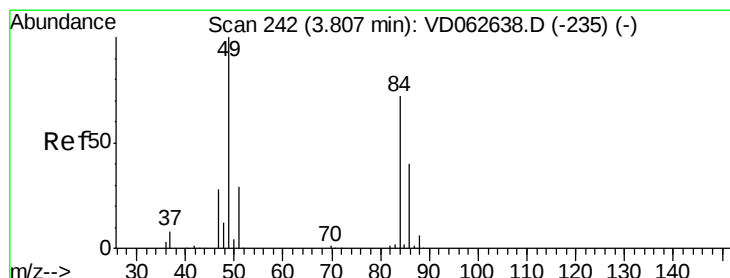
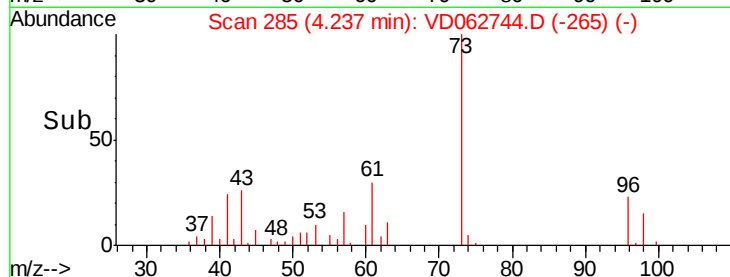
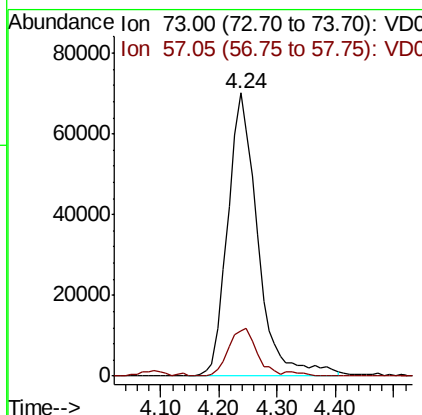
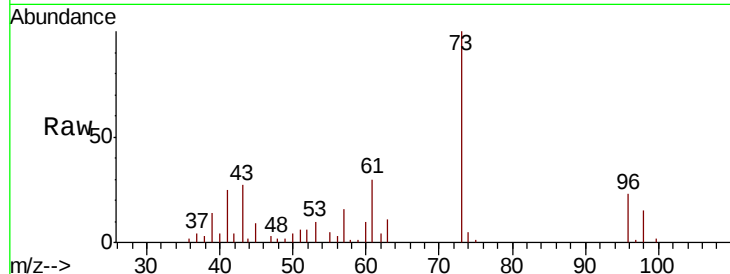




#19
Methyl tert-butyl Ether
Concen: 18.687 ug/l
RT: 4.24 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

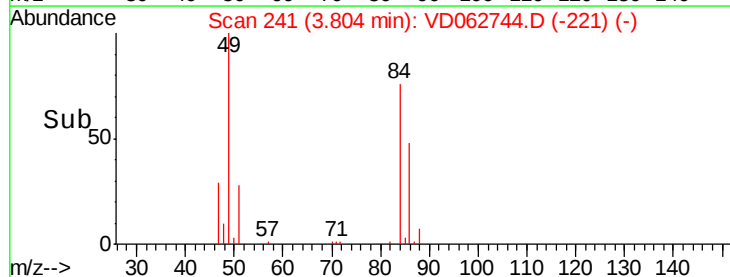
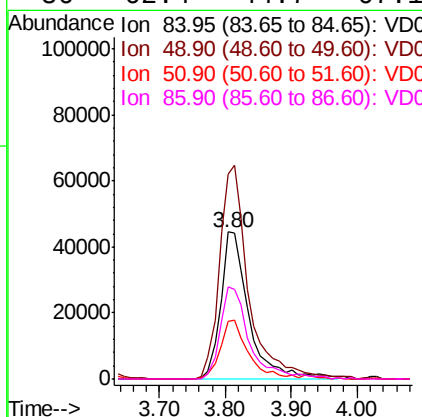
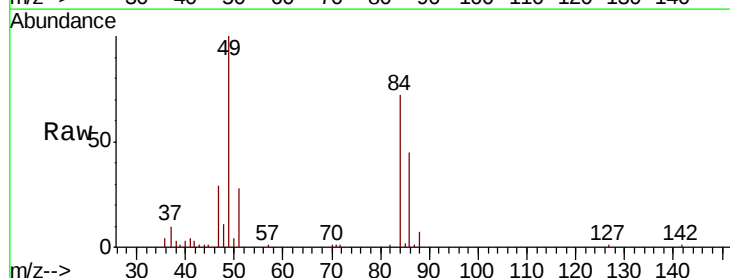
Instrument :
MSVOA_D
ClientSampleId :

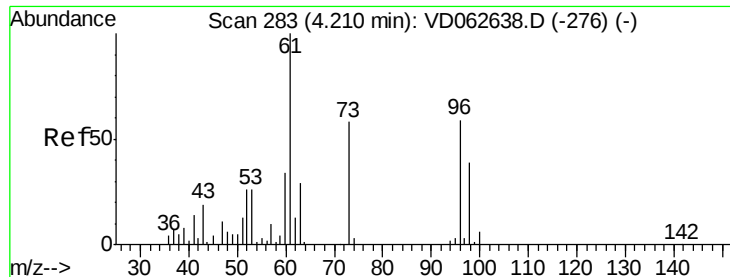
Tot Ion: 73 Resp: 252115
Ion Ratio Lower Upper
73 100
57 15.8 13.5 20.3



#20
Methylene Chloride
Concen: 21.145 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 84 Resp: 133707
Ion Ratio Lower Upper
84 100
49 139.0 111.2 166.8
51 39.1 31.9 47.9
86 62.4 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 18.467 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

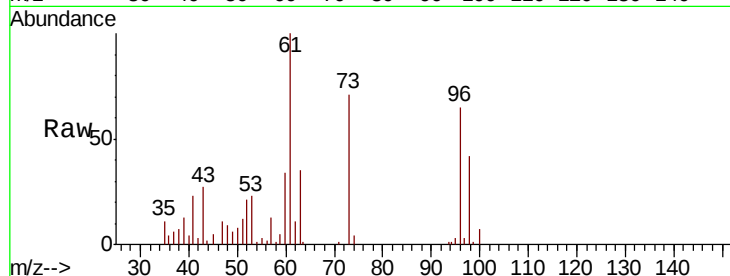
Tot Ion: 96 Resp: 112050

Ion Ratio Lower Upper

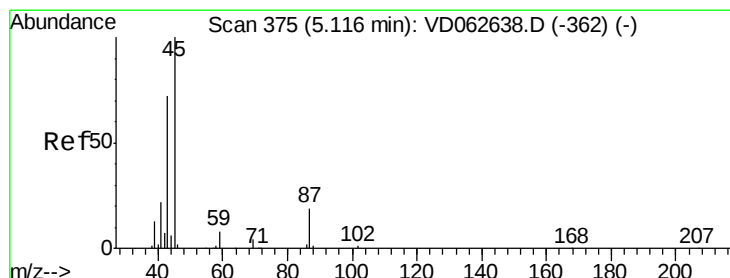
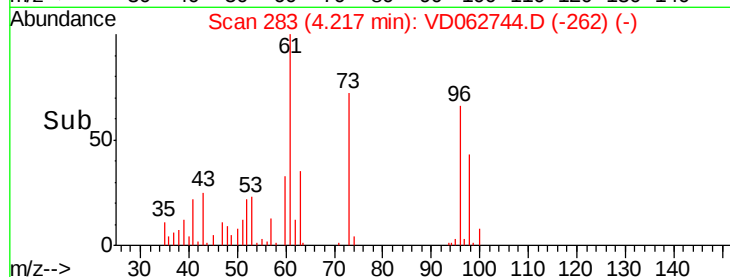
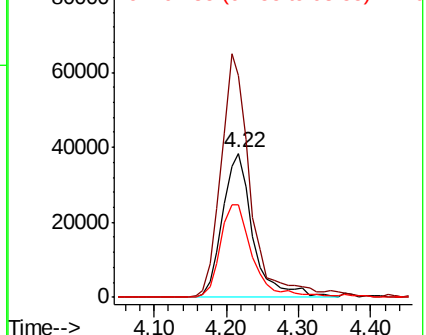
96 100

61 154.2 134.6 201.8

98 64.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.464 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Tgt Ion: 45 Resp: 343743

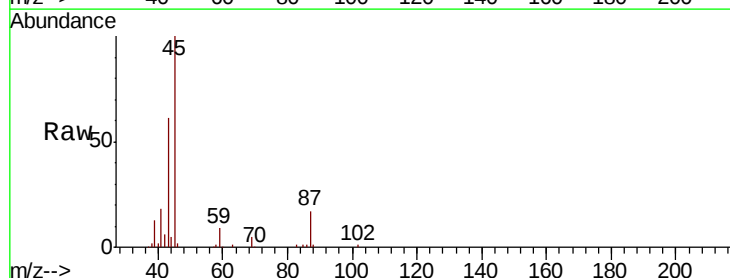
Ion Ratio Lower Upper

45 100

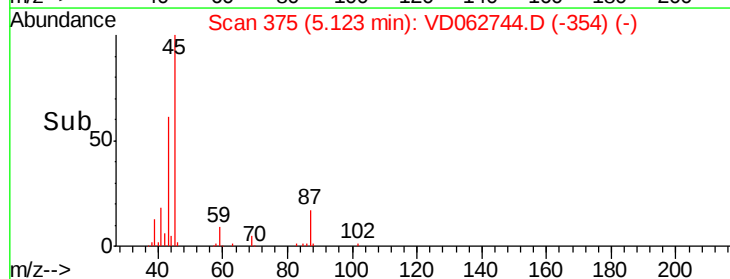
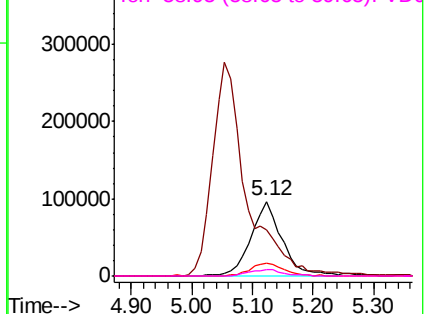
43 61.4 58.8 88.2

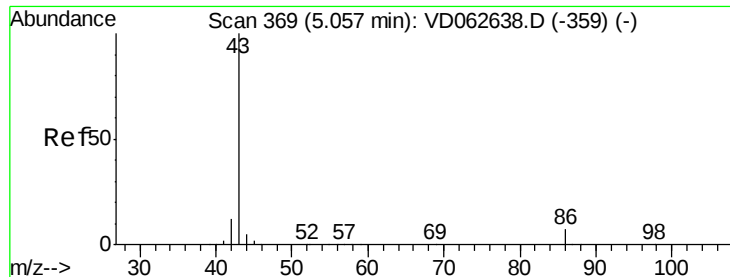
87 17.3 15.7 23.5

59 8.5 6.6 9.8



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: 97.485 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

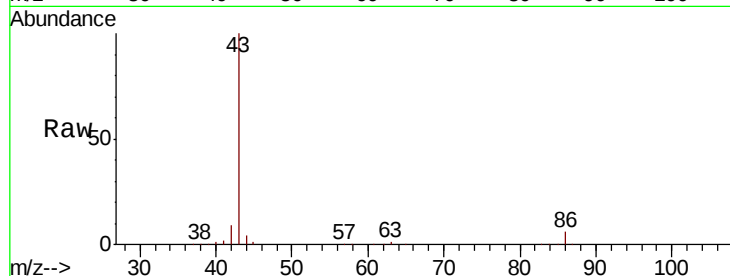
ClientSampled :

Tot Ion: 43 Resp: 1068080

Ion Ratio Lower Upper

43 100

86 5.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

300000

250000

200000

150000

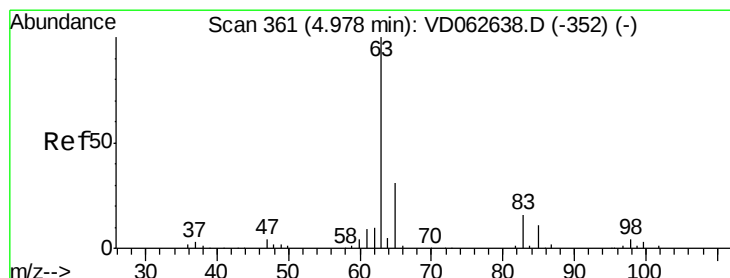
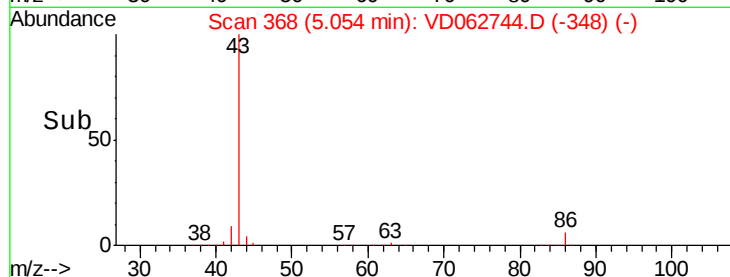
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 19.289 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

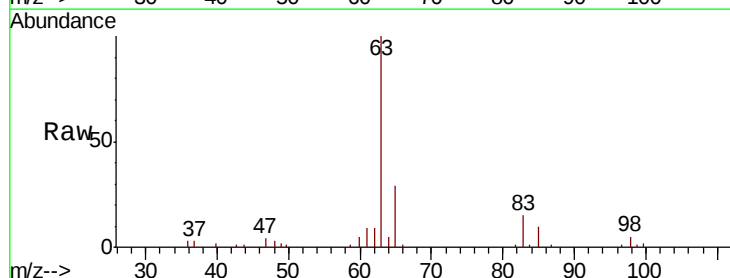
Tgt Ion: 63 Resp: 219152

Ion Ratio Lower Upper

63 100

98 4.8 1.8 5.4

100 2.4 1.5 4.4



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

4.98

80000

60000

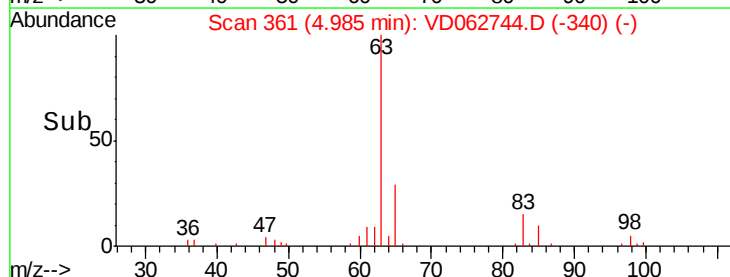
40000

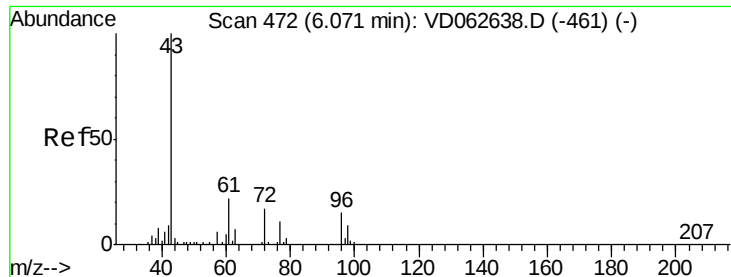
20000

0

Time-->

4.80 4.90 5.00 5.10

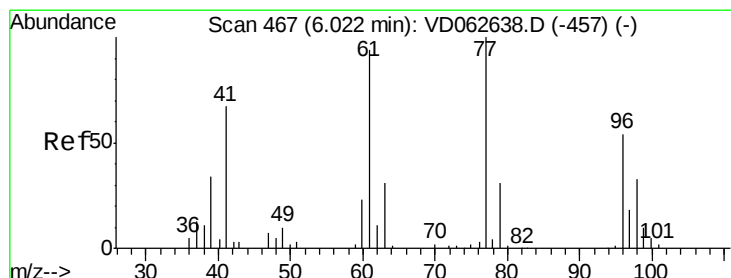
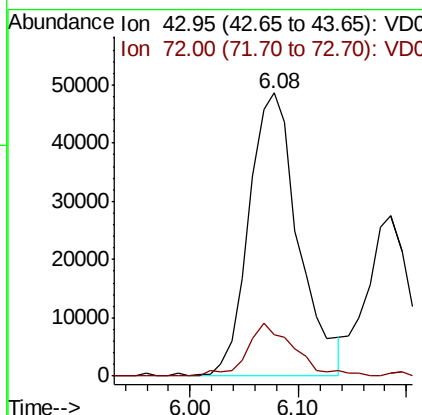
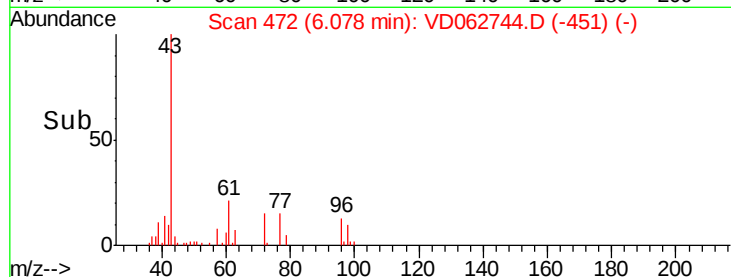
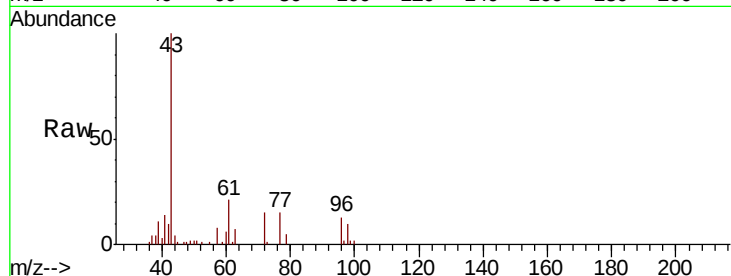




#25
2-Butanone
Concen: 96.457 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

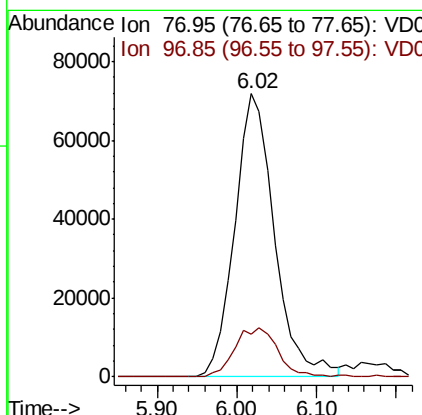
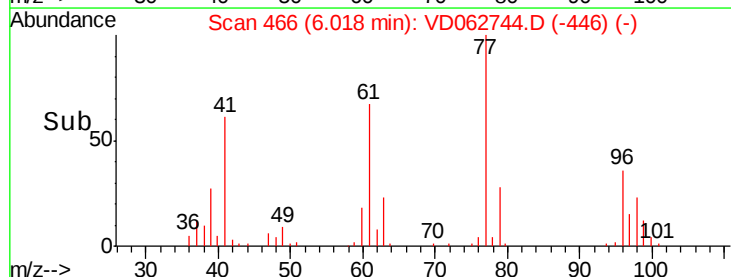
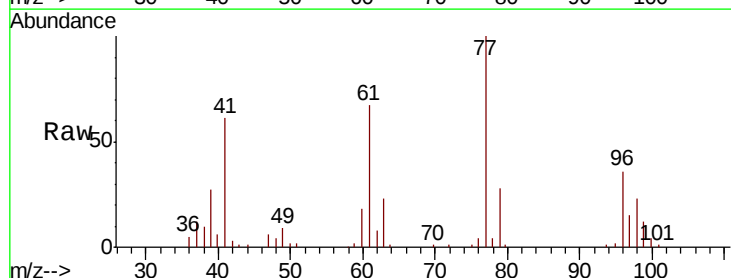
Instrument :
MSVOA_D
ClientSampleId :

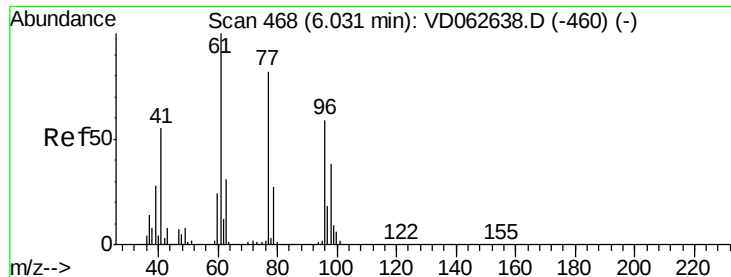
Tot Ion: 43 Resp: 155617
Ion Ratio Lower Upper
43 100
72 14.6 13.5 20.3



#26
2,2-Dichloropropane
Concen: 18.938 ug/l
RT: 6.02 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 77 Resp: 247972
Ion Ratio Lower Upper
77 100
97 15.0 8.8 26.5



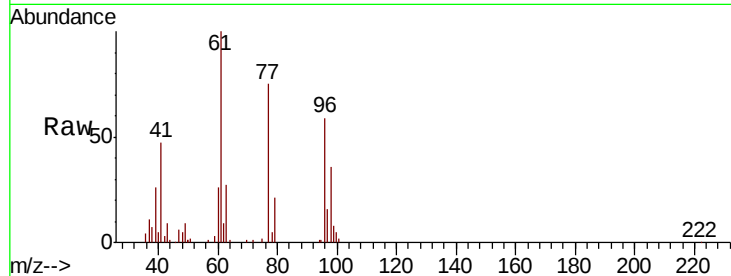


#27

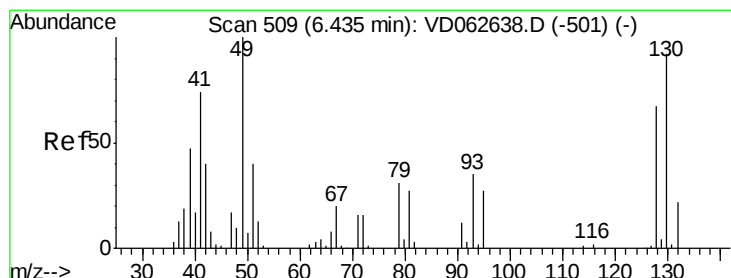
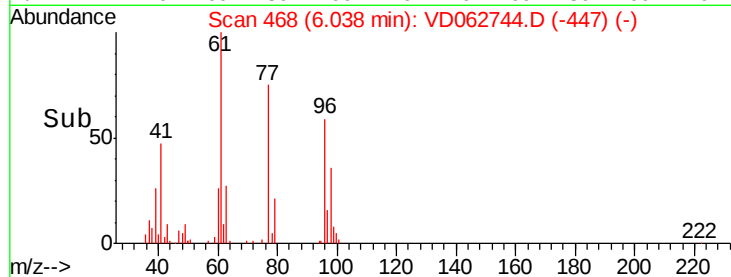
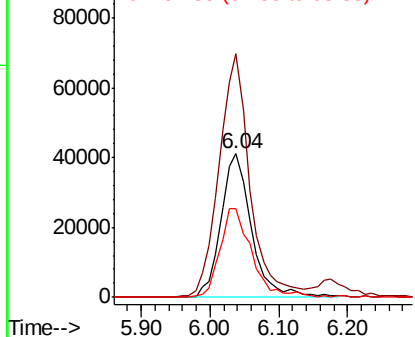
cis-1,2-Dichloroethene
Concen: 19.185 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 126199
Ion Ratio Lower Upper
96 100
61 169.8 0.0 340.0
98 61.9 0.0 127.6



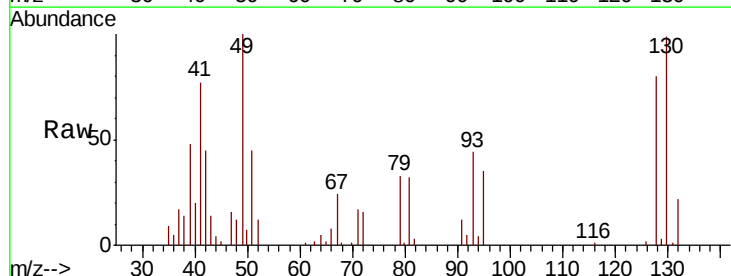
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



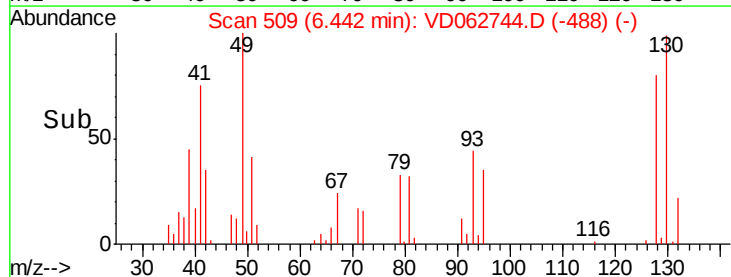
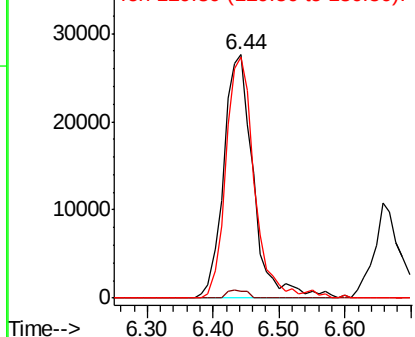
#28

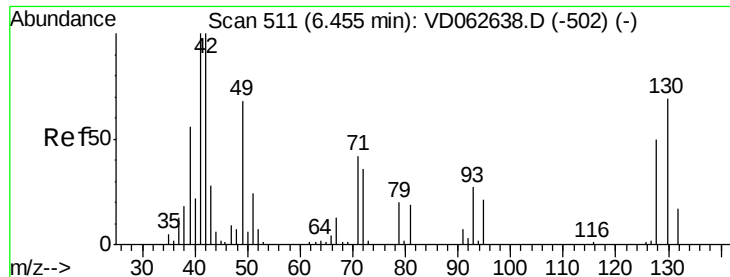
Bromochloromethane
Concen: 20.037 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 49 Resp: 87023
Ion Ratio Lower Upper
49 100
129 2.6 0.0 8.2
130 98.9 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 94.918 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

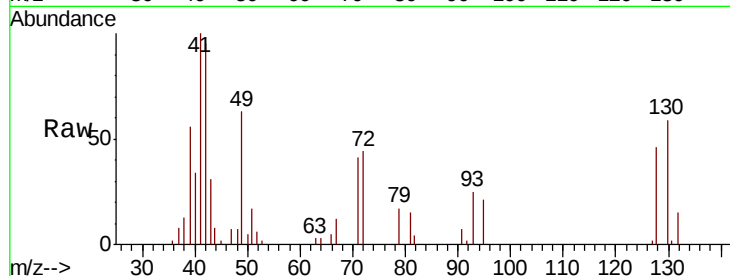
Tot Ion: 42 Resp: 68961

Ion Ratio Lower Upper

42 100

72 44.5 33.8 50.6

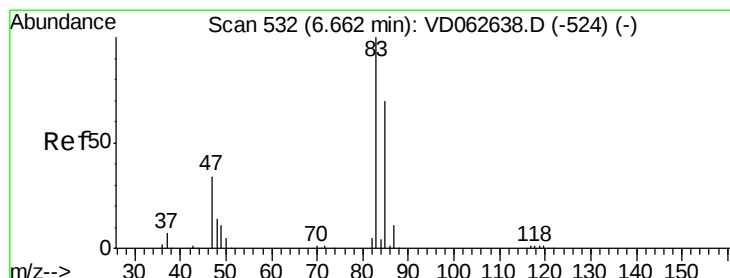
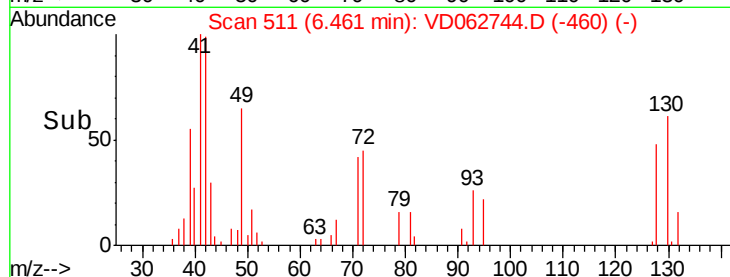
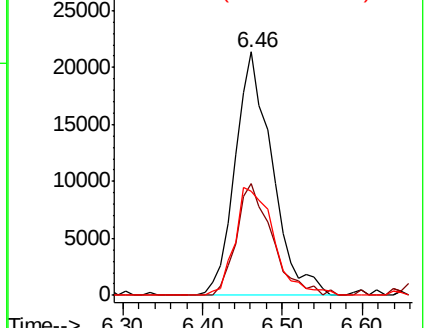
71 46.6 34.2 51.4



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: 18.767 ug/l

RT: 6.66 min Scan# 531

Delta R.T. -0.00 min

Lab File: VD062744.D

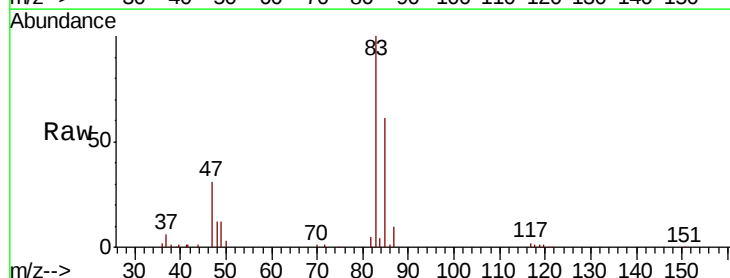
Acq: 18 Jun 2019 12:48

Tgt Ion: 83 Resp: 273566

Ion Ratio Lower Upper

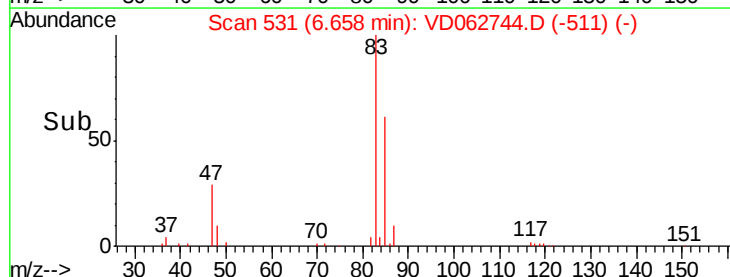
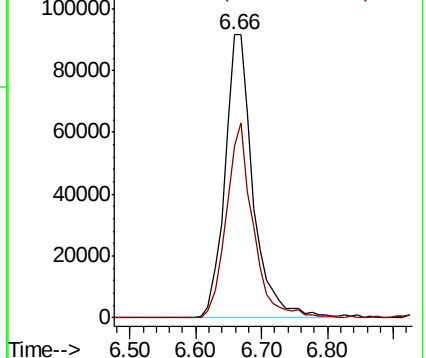
83 100

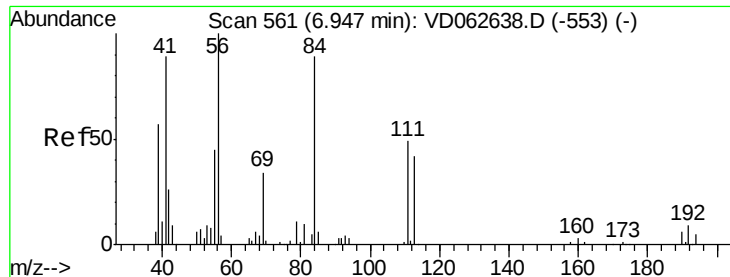
85 60.9 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

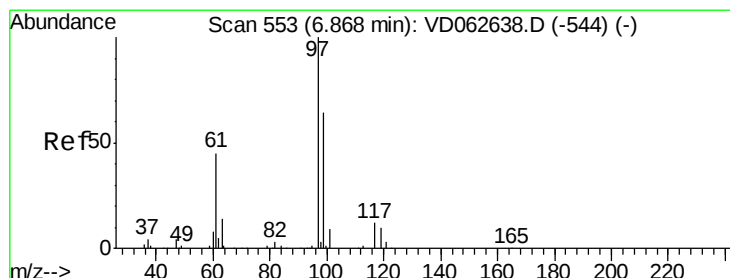
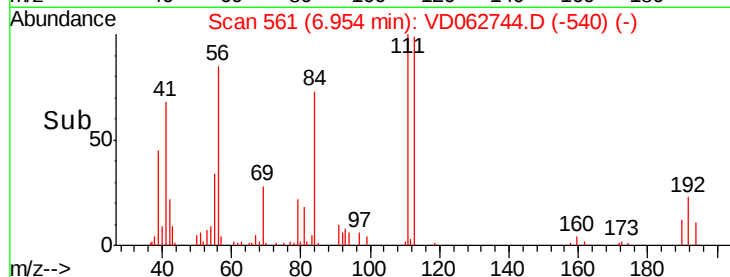
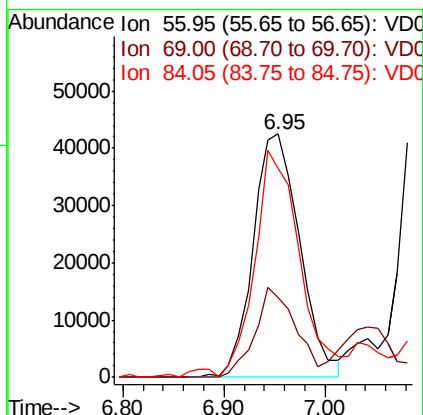
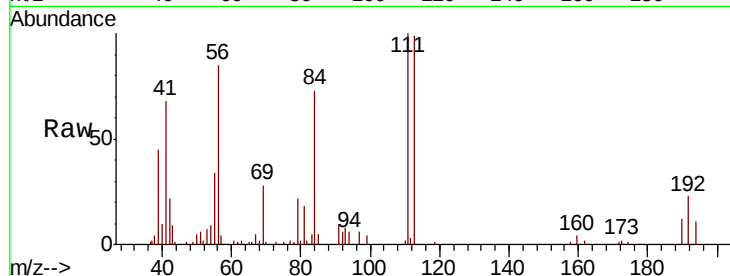




#31
Cyclohexane
Concen: 19.105 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

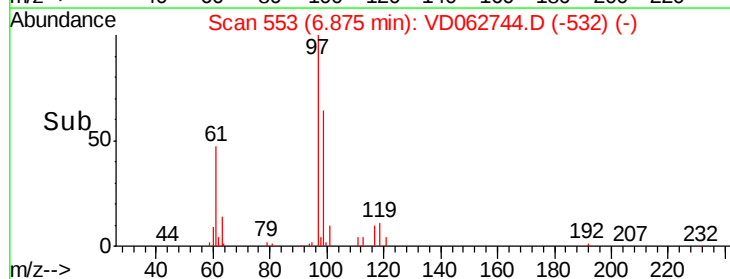
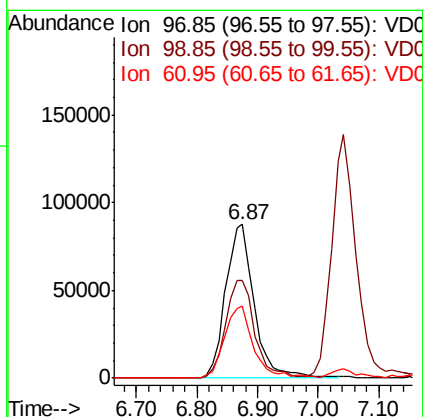
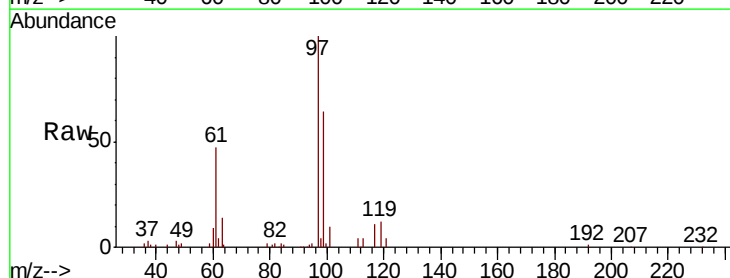
Instrument :
MSVOA_D
ClientSampleId :

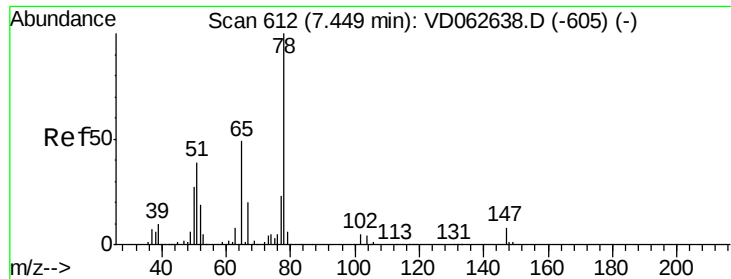
Tot Ion: 56 Resp: 136159
Ion Ratio Lower Upper
56 100
69 33.0 26.8 40.2
84 85.9 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 19.736 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 97 Resp: 286267
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 47.2 35.6 53.4

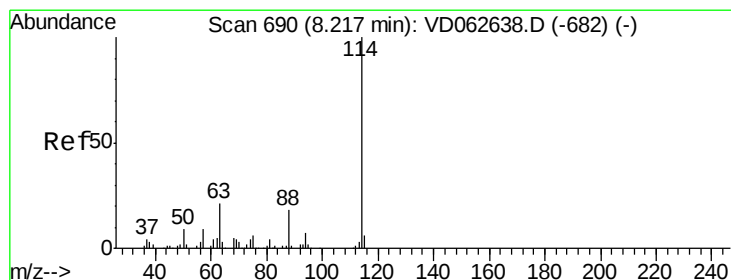
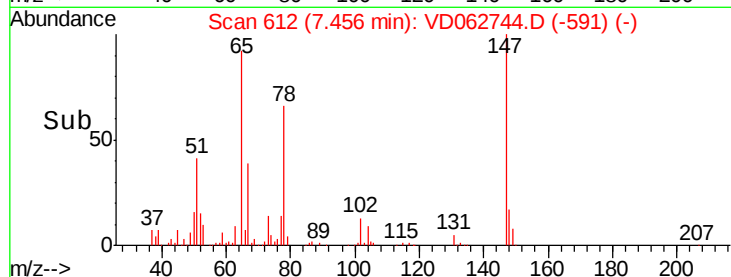
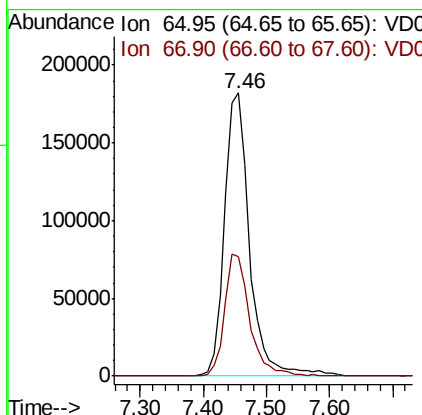
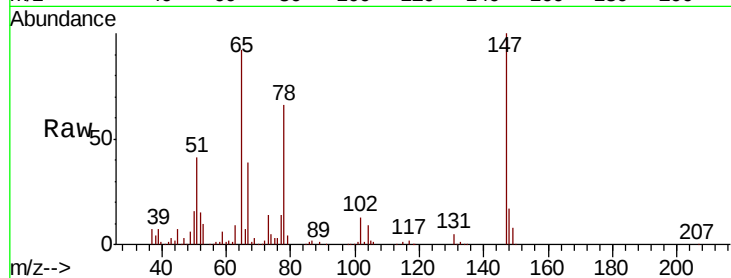




#33
 1,2-Dichloroethane-d4
 Concen: 55.398 ug/l
 RT: 7.46 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

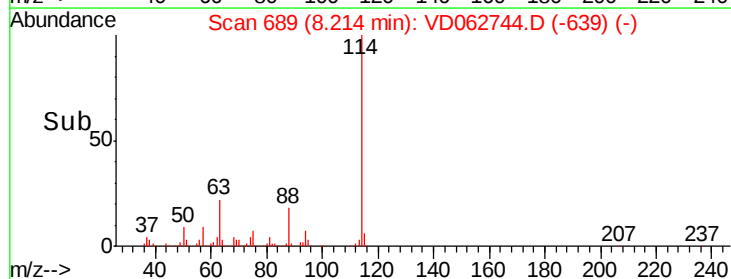
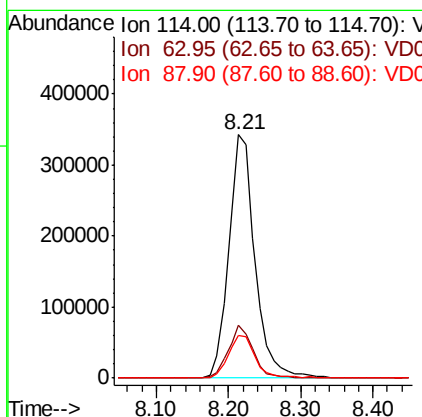
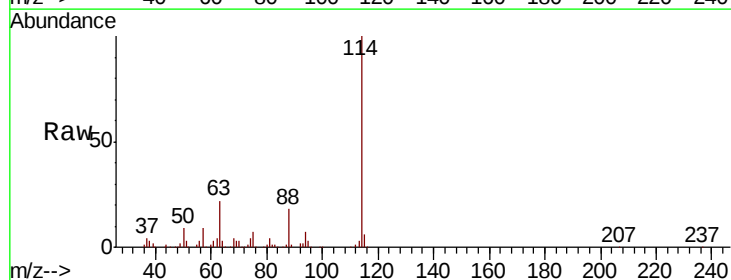
Instrument :
 MSVOA_D
 ClientSampled :

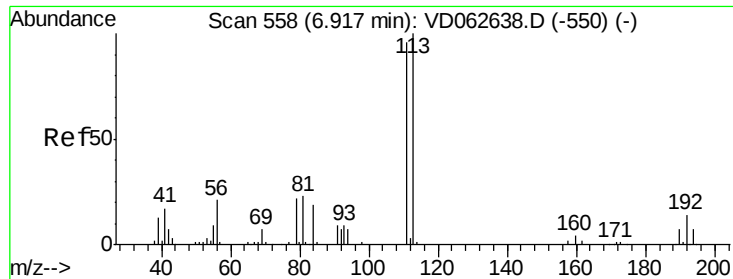
Tot Ion: 65 Resp: 500298
 Ion Ratio Lower Upper
 65 100
 67 42.5 0.0 81.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Tgt Ion: 114 Resp: 863304
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.4
 88 17.7 0.0 36.8

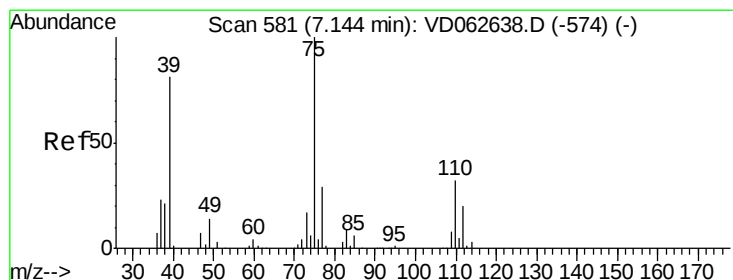
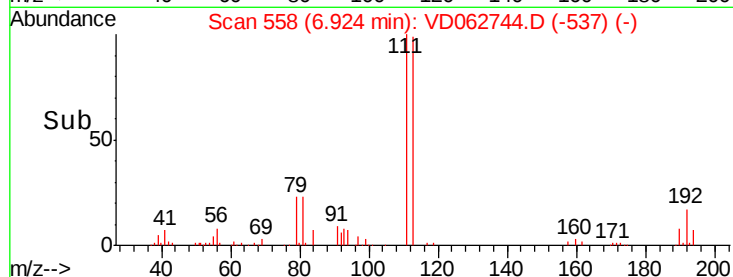
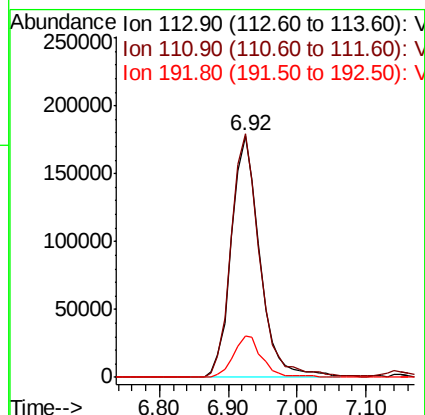
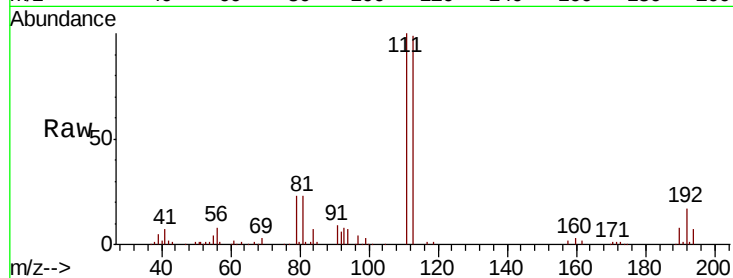




#35
 Dibromofluoromethane
 Concen: 56.161 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

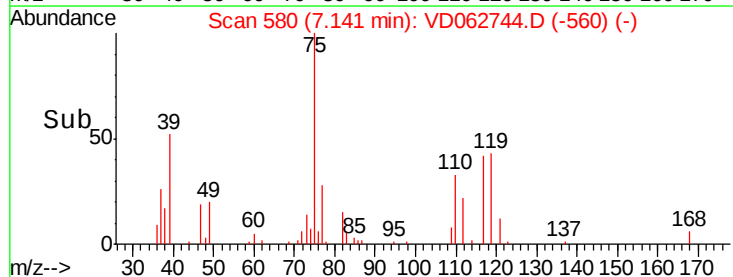
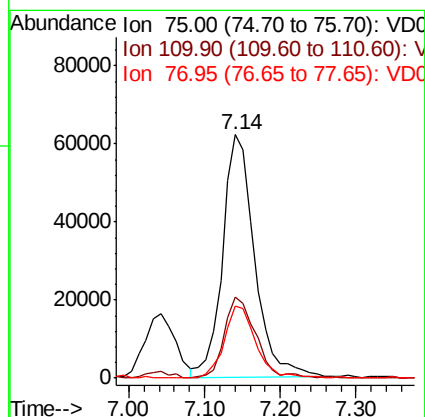
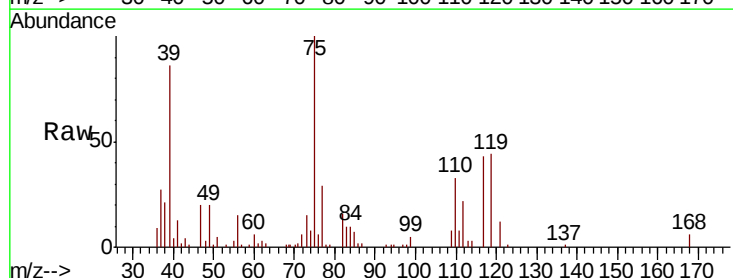
Instrument :
 MSVOA_D
 ClientSampleId :

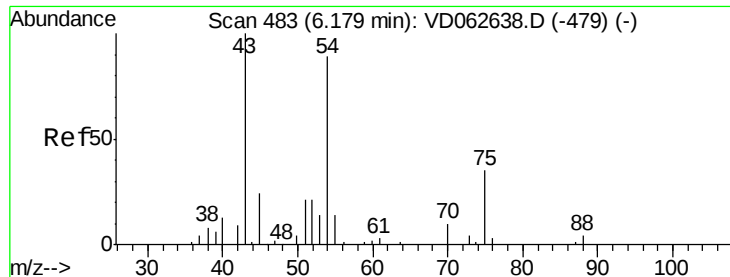
Tot Ion:113 Resp: 511326
 Ion Ratio Lower Upper
 113 100
 111 100.8 76.4 114.6
 192 17.0 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 18.291 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Tgt Ion: 75 Resp: 180722
 Ion Ratio Lower Upper
 75 100
 110 33.1 15.9 47.7
 77 29.5 23.3 34.9

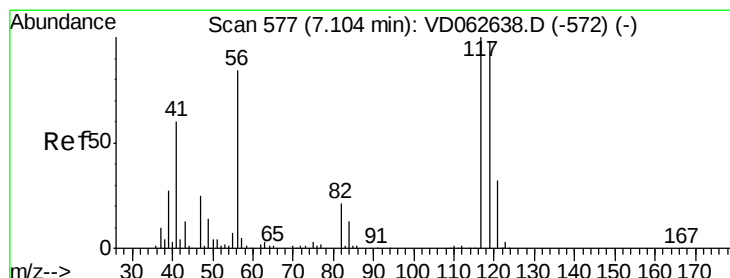
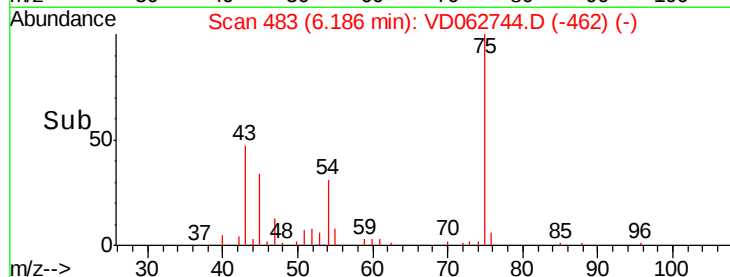
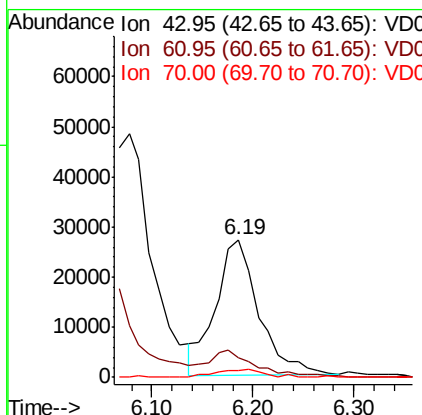
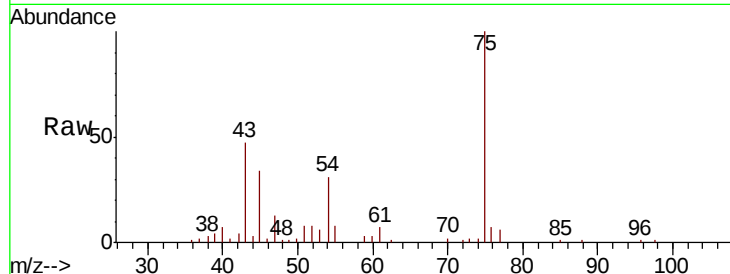




#37
Ethyl Acetate
Concen: 19.871 ug/l
RT: 6.19 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

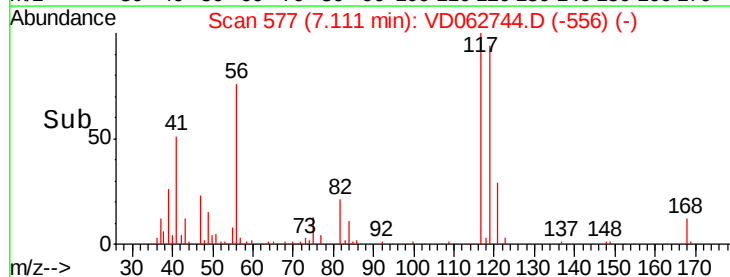
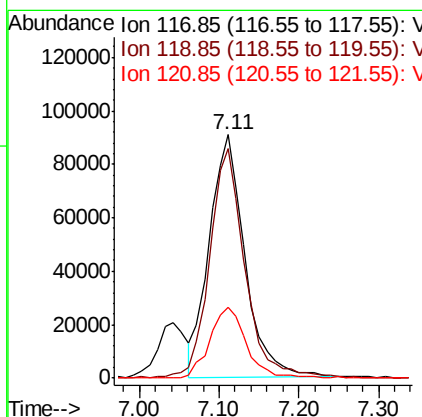
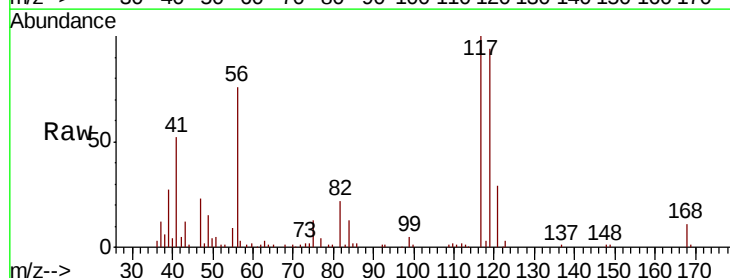
Instrument :
MSVOA_D
ClientSampled :

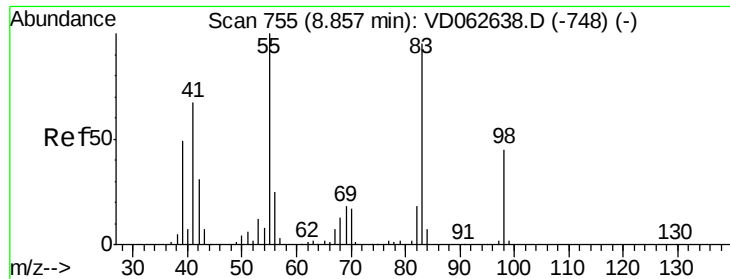
Tot Ion: 43 Resp: 80592
Ion Ratio Lower Upper
43 100
61 14.3 8.7 13.1#
70 4.9 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 18.219 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 117 Resp: 284530
Ion Ratio Lower Upper
117 100
119 94.1 73.5 110.3
121 29.3 24.2 36.4

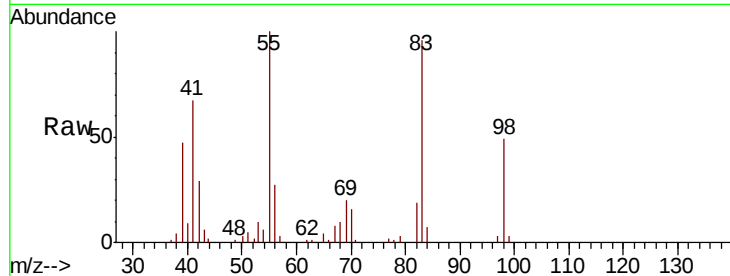




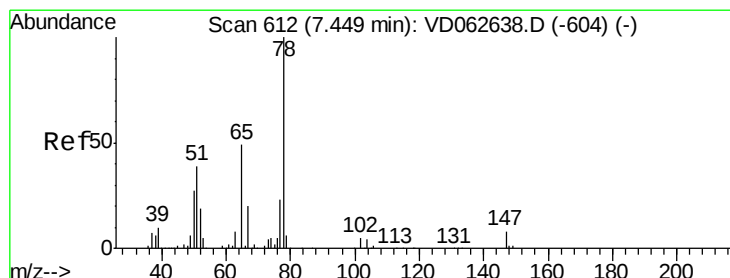
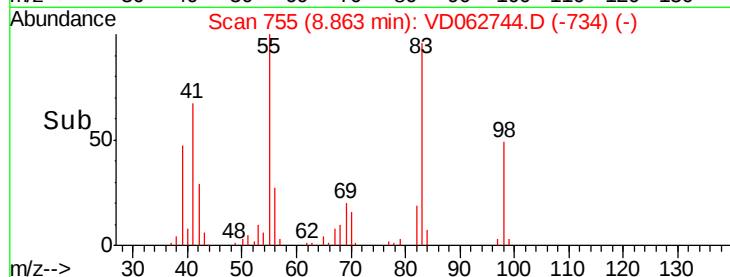
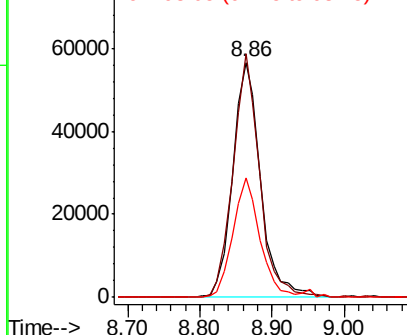
#39
Methvlcvclohexane
Concen: 19.122 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 152675
Ion Ratio Lower Upper
83 100
55 103.6 84.6 127.0
98 50.9 38.2 57.4

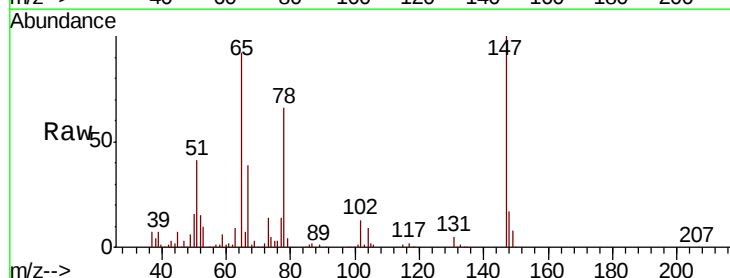


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

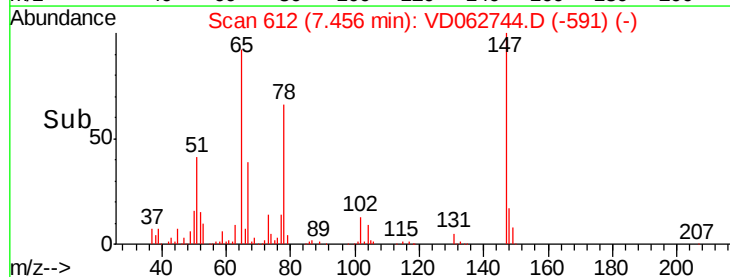
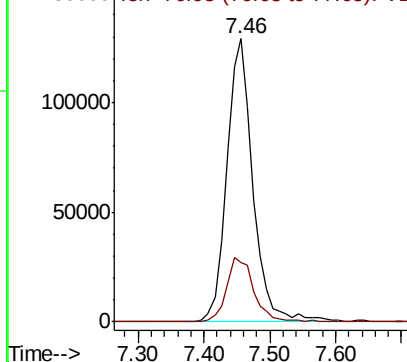


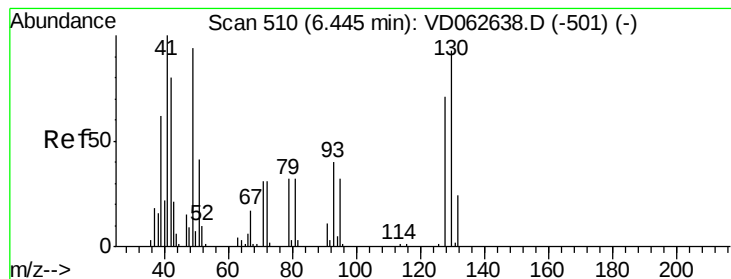
#40
Benzene
Concen: 18.499 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 78 Resp: 356954
Ion Ratio Lower Upper
78 100
77 20.9 18.6 28.0



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





#41

Methacrylonitrile

Concen: 19.549 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 101112

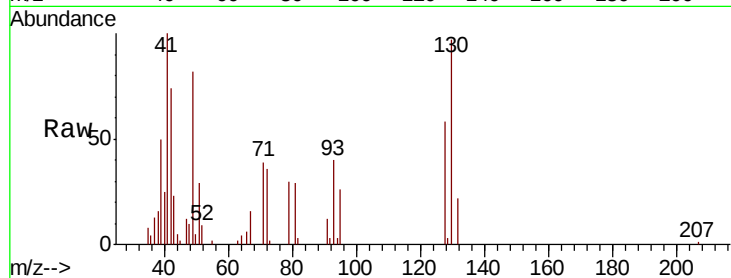
Ion Ratio Lower Upper

41 100

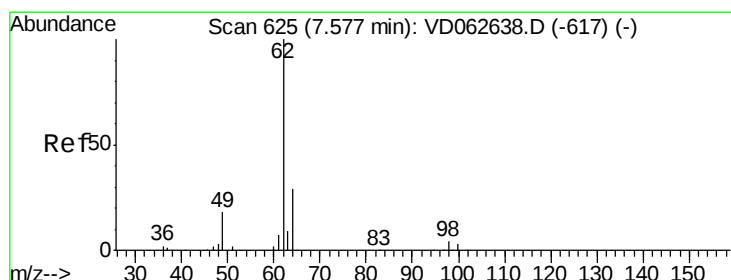
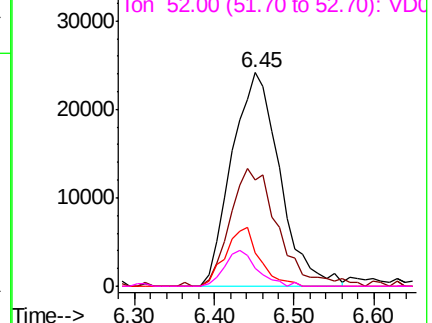
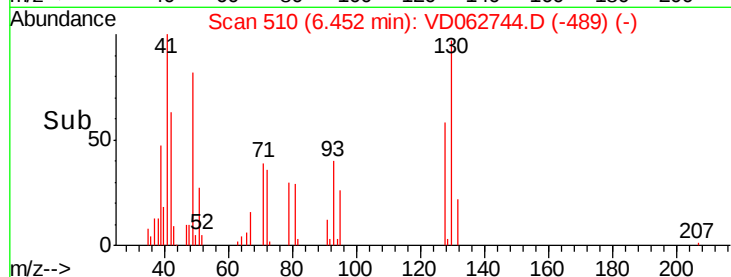
39 50.0 49.2 73.8

67 15.7 13.9 20.9

52 8.6 7.6 11.4



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: 17.710 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD062744.D

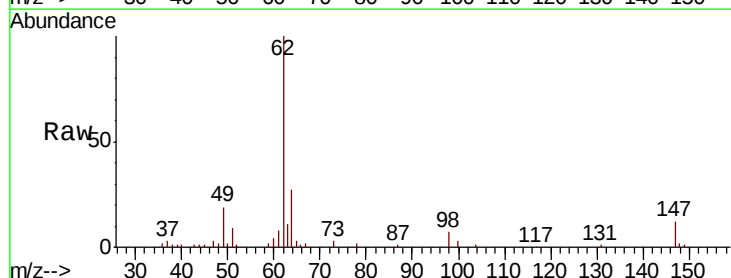
Acq: 18 Jun 2019 12:48

Tgt Ion: 62 Resp: 203685

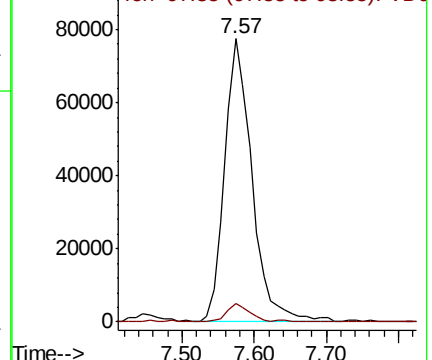
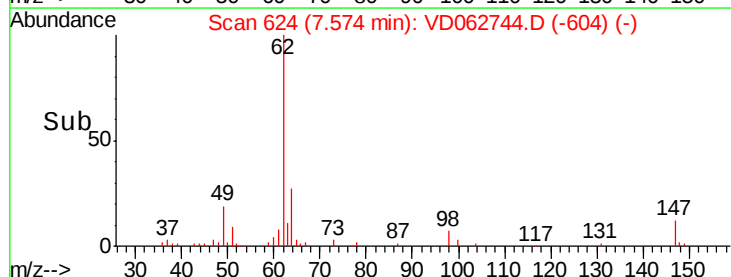
Ion Ratio Lower Upper

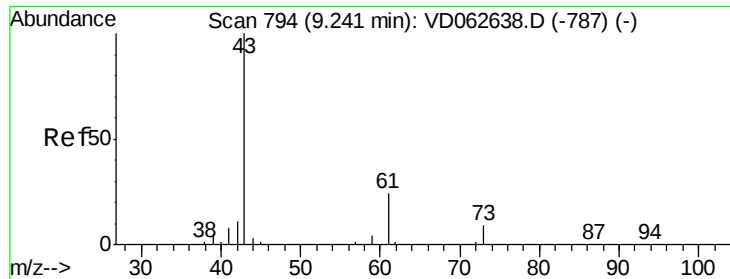
62 100

98 6.7 0.0 7.4



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





#43

Isopropyl Acetate

Concen: 18.135 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

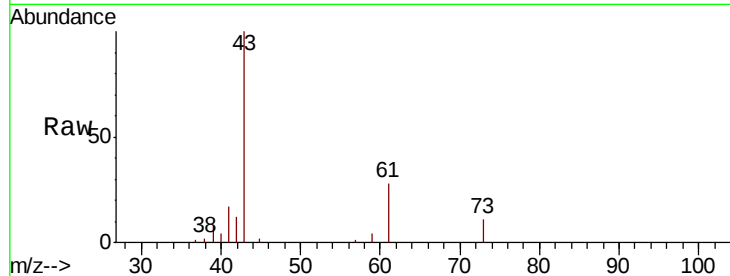
Tot Ion: 43 Resp: 94547

Ion Ratio Lower Upper

43 100

61 27.8 19.0 28.6

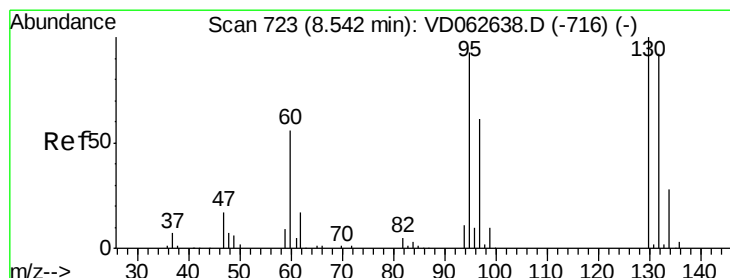
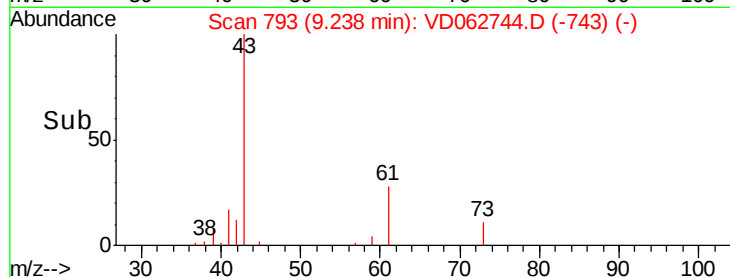
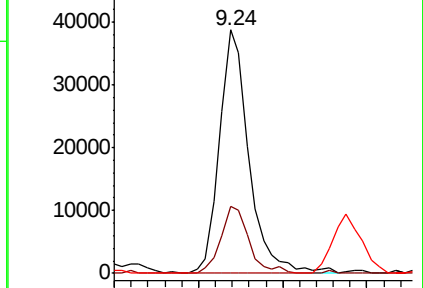
87 0.0 0.3 0.5#



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: 18.744 ug/l

RT: 8.54 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD062744.D

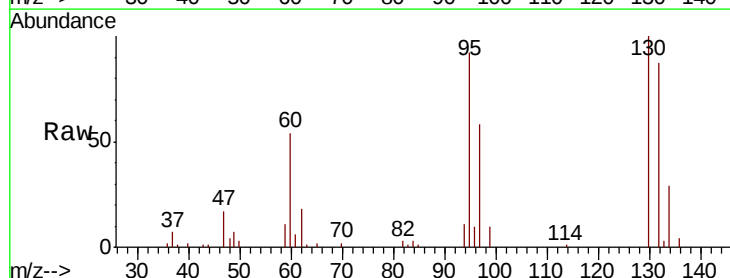
Acq: 18 Jun 2019 12:48

Tgt Ion:130 Resp: 146833

Ion Ratio Lower Upper

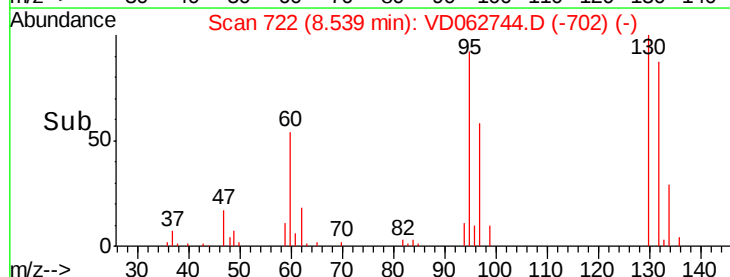
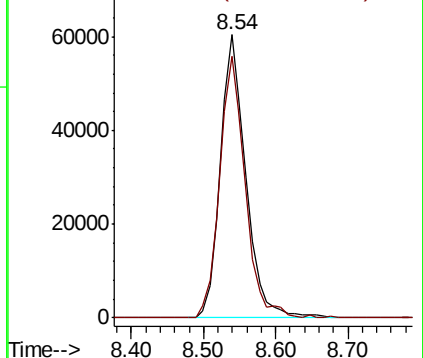
130 100

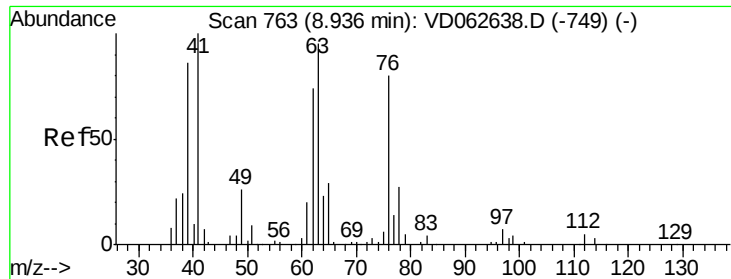
95 92.3 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.862 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

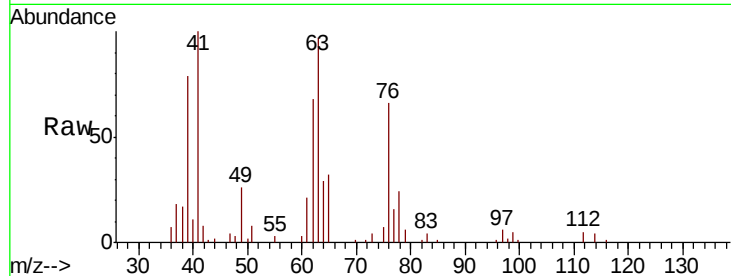
ClientSampleId :

Tot Ion: 63 Resp: 92055

Ion Ratio Lower Upper

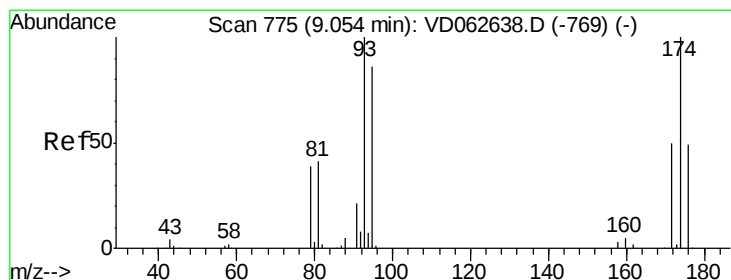
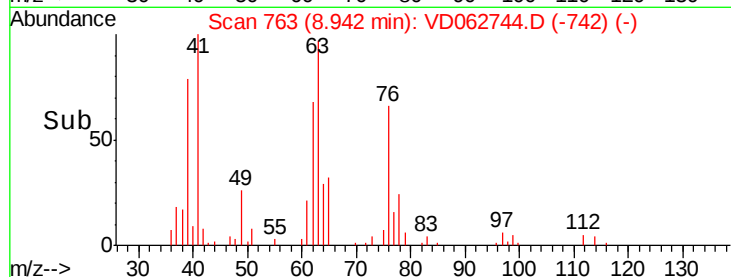
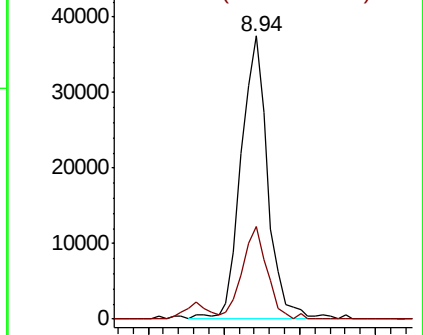
63 100

65 32.5 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.884 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

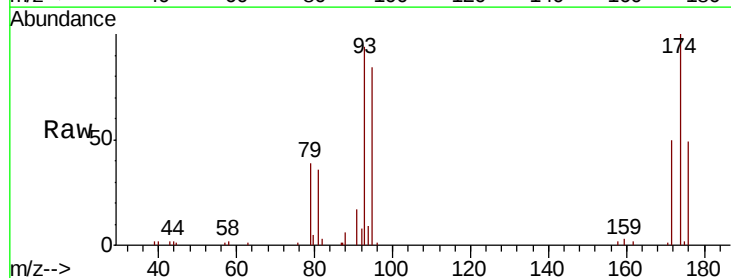
Tgt Ion: 93 Resp: 77688

Ion Ratio Lower Upper

93 100

95 89.6 68.7 103.1

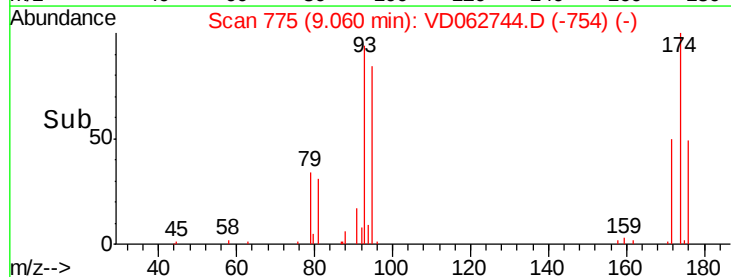
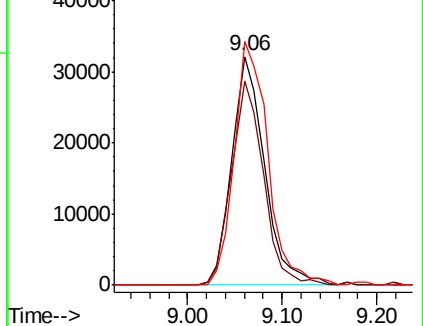
174 106.6 79.8 119.8

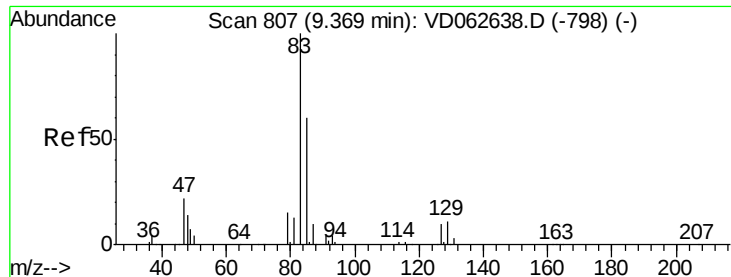


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.892 ug/l

RT: 9.38 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampled :

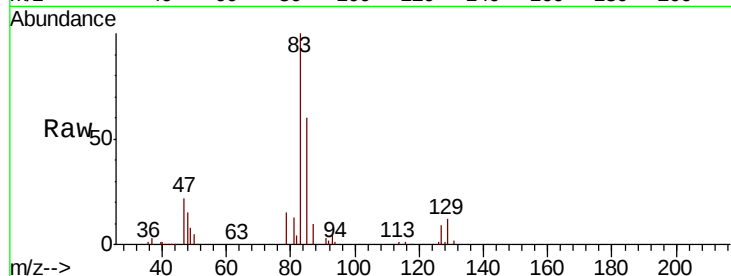
Tot Ion: 83 Resp: 211428

Ion Ratio Lower Upper

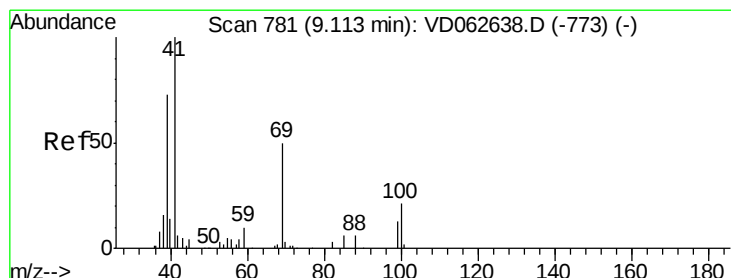
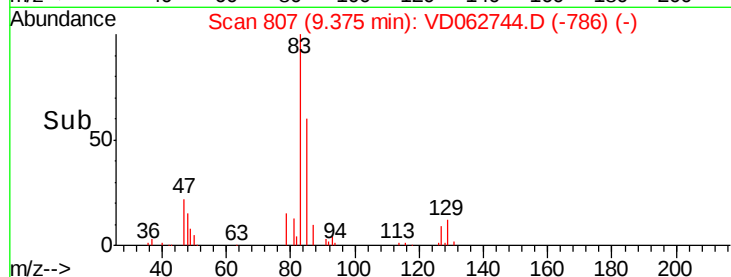
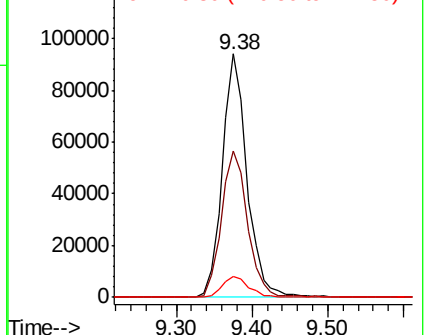
83 100

85 60.0 47.9 71.9

127 8.7 8.2 12.4



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: 18.710 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

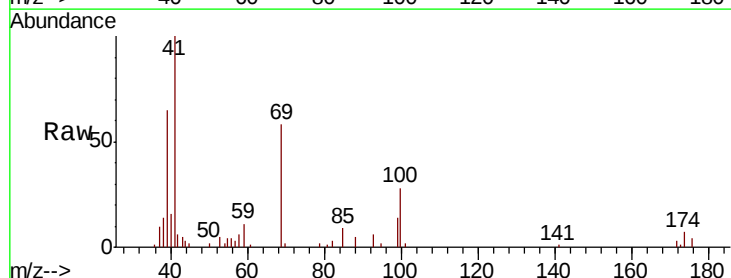
Tgt Ion: 41 Resp: 70468

Ion Ratio Lower Upper

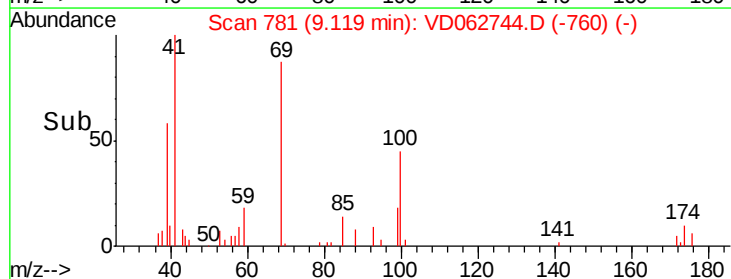
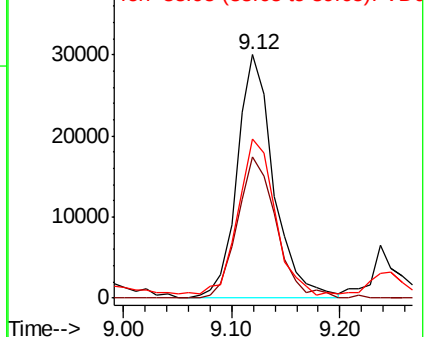
41 100

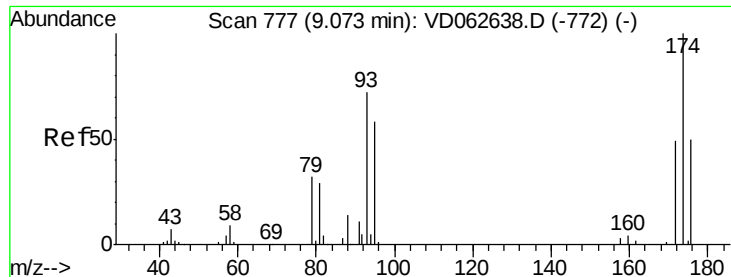
69 57.9 39.8 59.6

39 65.4 59.1 88.7



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

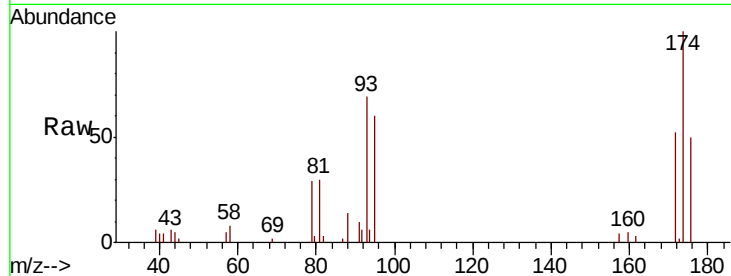




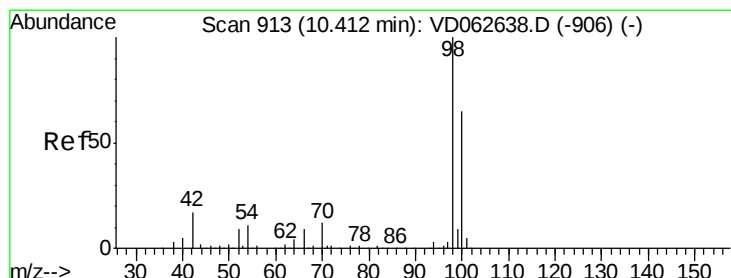
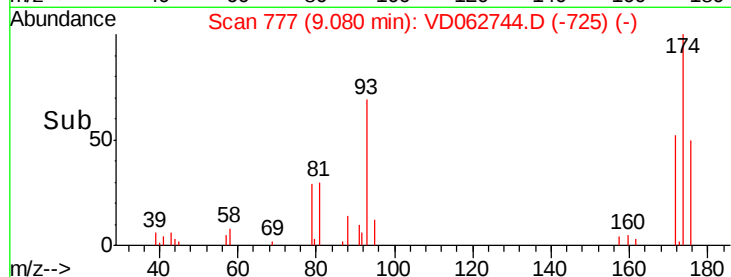
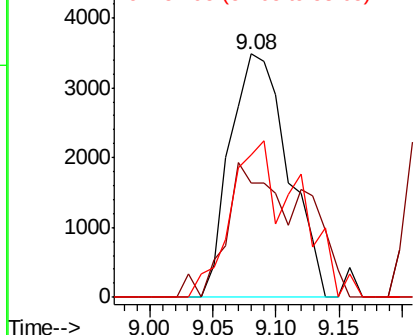
#49
1,4-Dioxane
Concen: 363.522 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11180
Ion Ratio Lower Upper
88 100
43 46.8 40.7 61.1
58 58.3 54.2 81.4

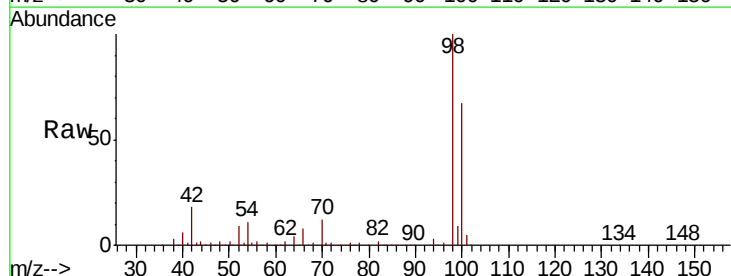


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

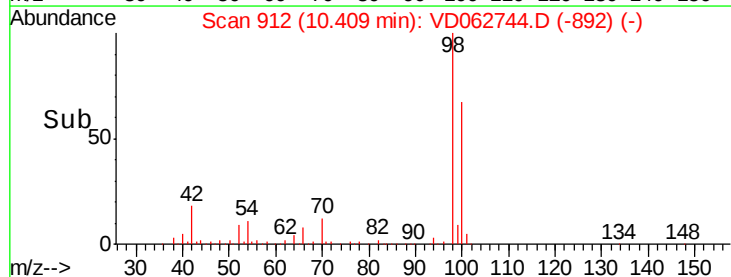
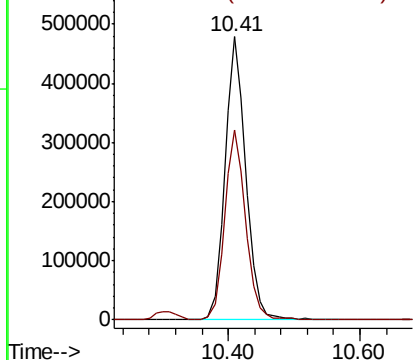


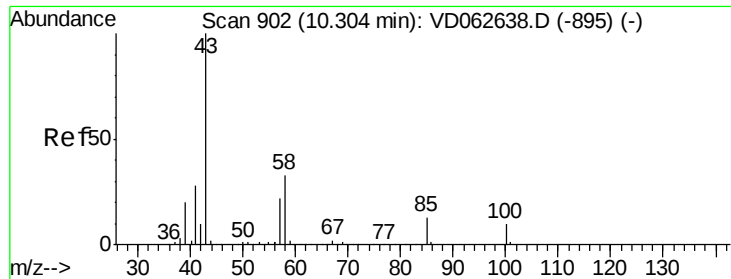
#50
Toluene-d8
Concen: 55.137 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 98 Resp: 1056051
Ion Ratio Lower Upper
98 100
100 66.9 52.1 78.1



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: 93.233 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

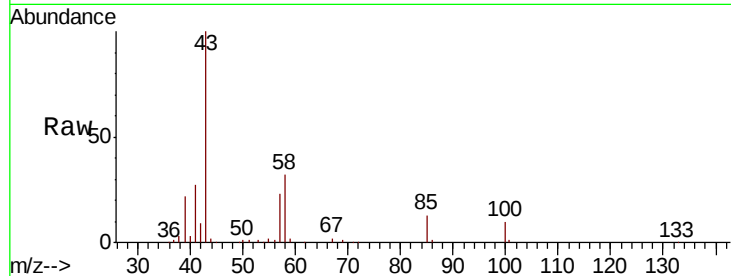
ClientSampled :

Tot Ion: 43 Resp: 340106

Ion Ratio Lower Upper

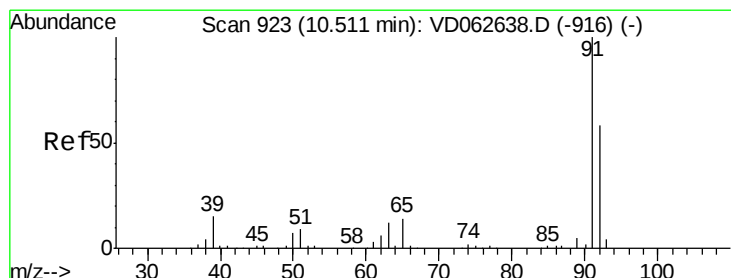
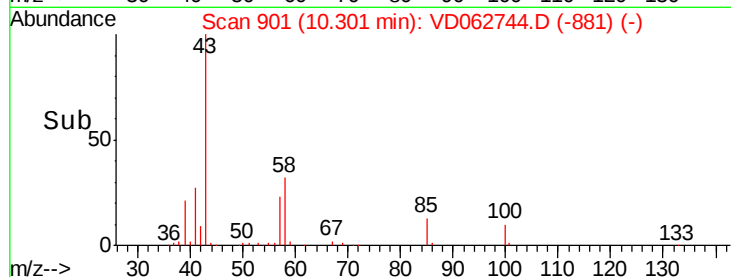
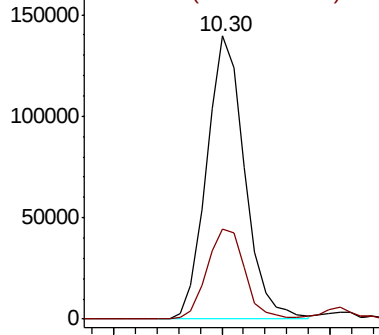
43 100

58 32.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.875 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062744.D

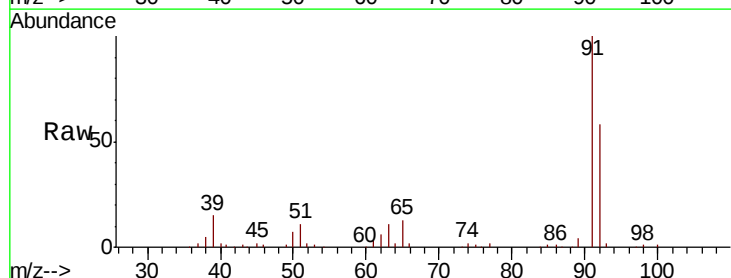
Acq: 18 Jun 2019 12:48

Tgt Ion: 92 Resp: 244812

Ion Ratio Lower Upper

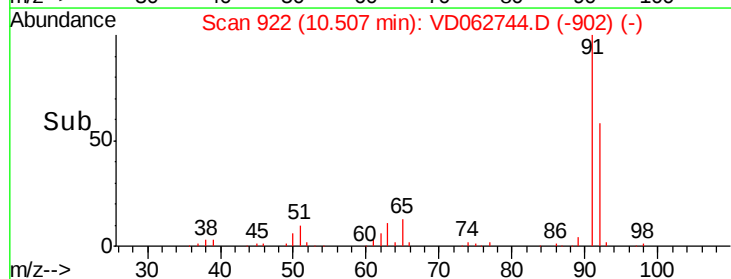
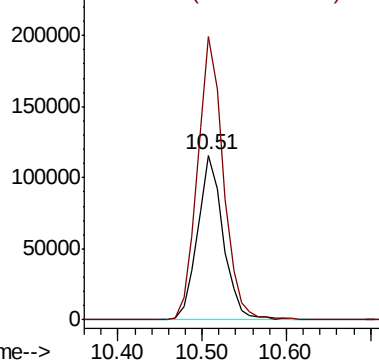
92 100

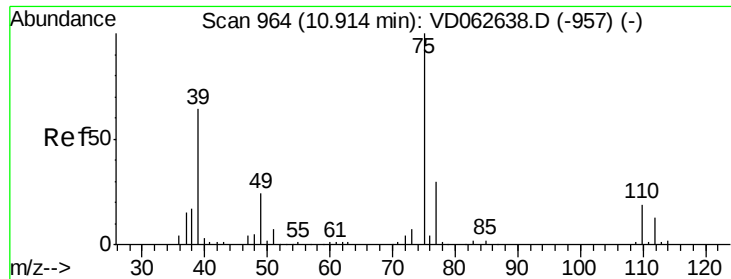
91 172.3 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

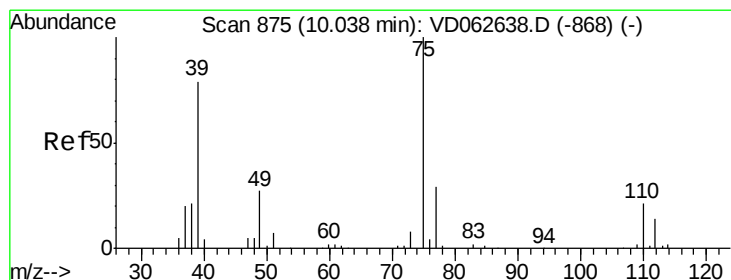
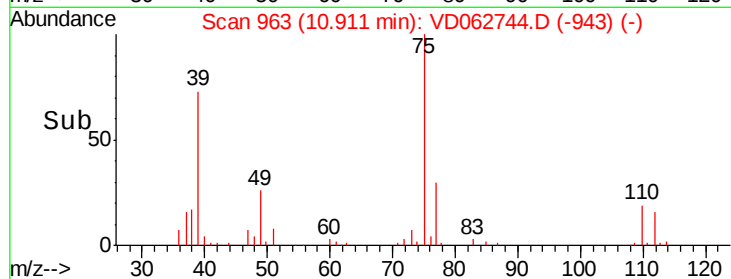
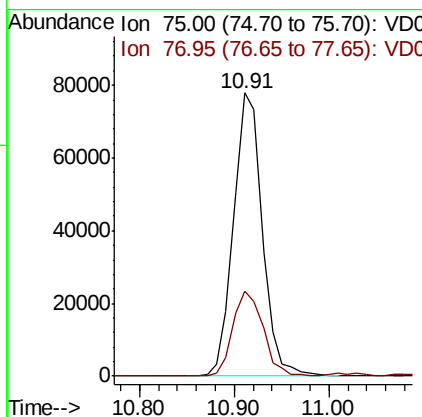
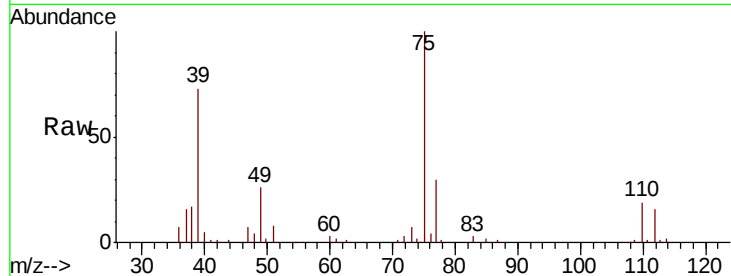




#53
 t-1,3-Dichloropropene
 Concen: 17.857 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

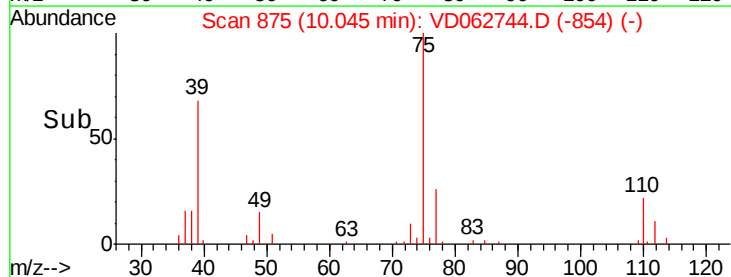
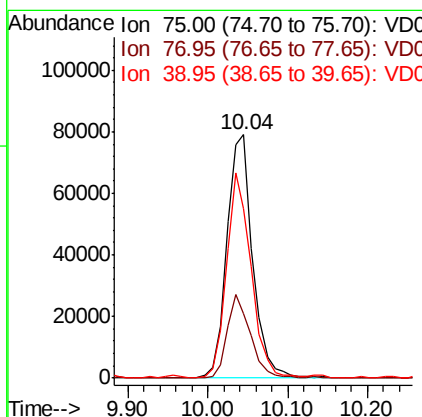
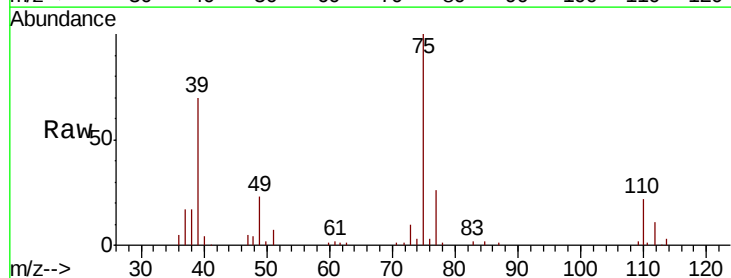
Instrument :
 MSVOA_D
 ClientSampleId :

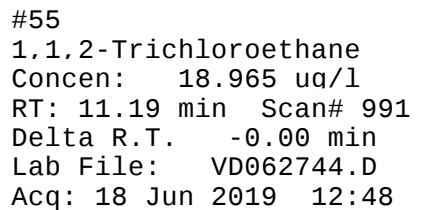
Tot Ion: 75 Resp: 163848
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 18.896 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

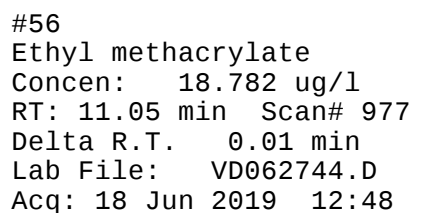
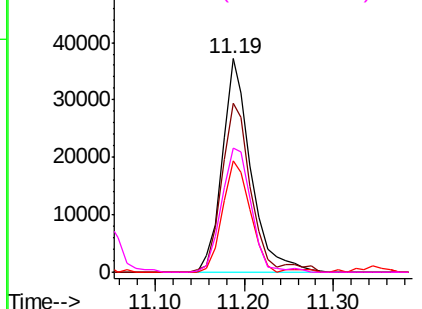
Tgt Ion: 75 Resp: 179194
 Ion Ratio Lower Upper
 75 100
 77 26.4 23.1 34.7
 39 69.7 63.4 95.2



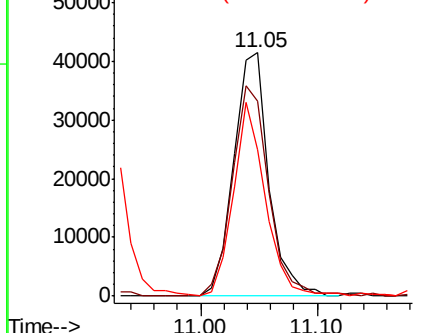


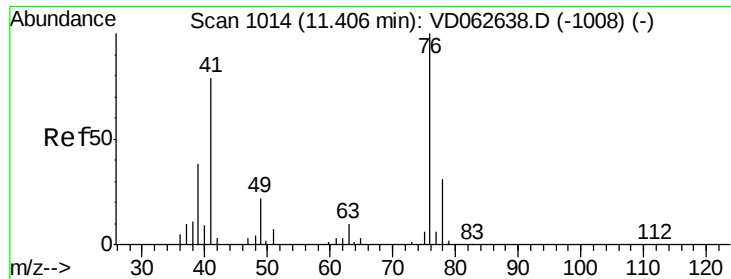
Instrument :
MSVOA_D
ClientSampleId :

Tat	Ion: 97	Resp:	84357
Ion	Ratio	Lower	Upper
97	100		
83	79.4	63.8	95.8
85	51.9	42.3	63.5
99	58.3	48.0	72.0



Tgt	Ion: 69	Resp:	86353
Ion	Ratio	Lower	Upper
69	100		
41	80.2	66.2	99.4
39	60.1	53.8	80.8





#57

1,3-Dichloropropane

Concen: 18.810 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

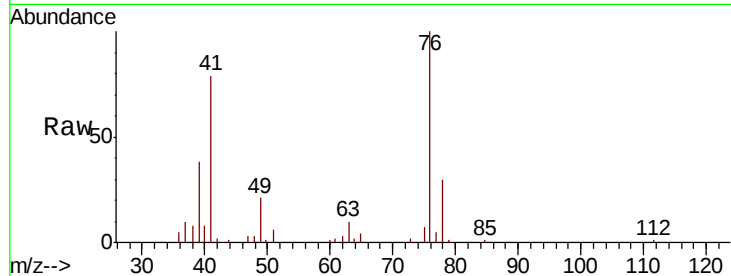
ClientSampled :

Tot Ion: 76 Resp: 129679

Ion Ratio Lower Upper

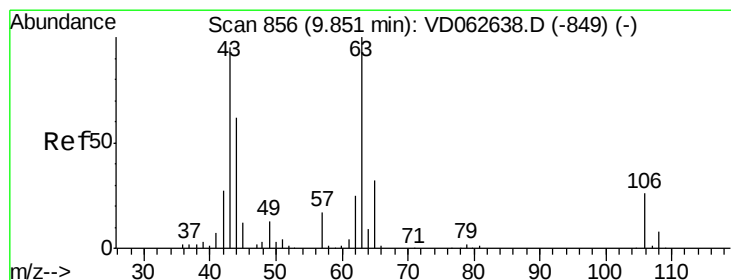
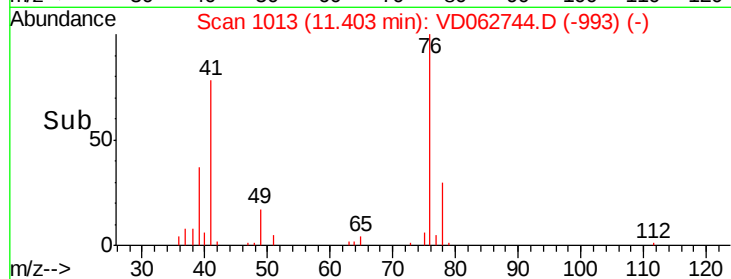
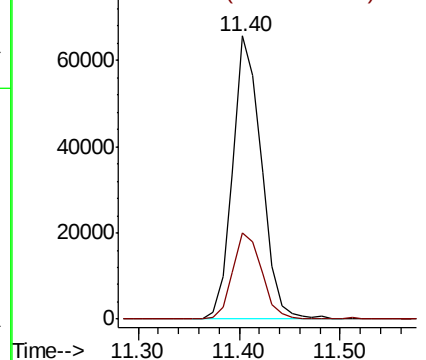
76 100

78 30.3 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.108 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD062744.D

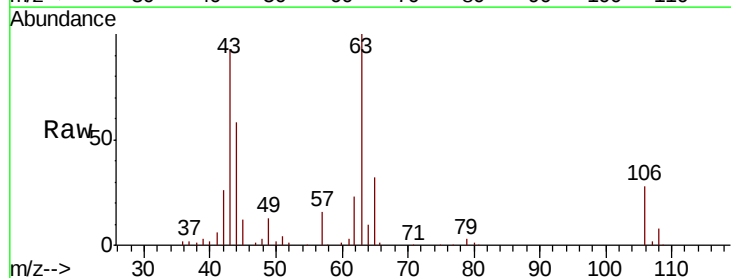
Acq: 18 Jun 2019 12:48

Tgt Ion: 63 Resp: 261766

Ion Ratio Lower Upper

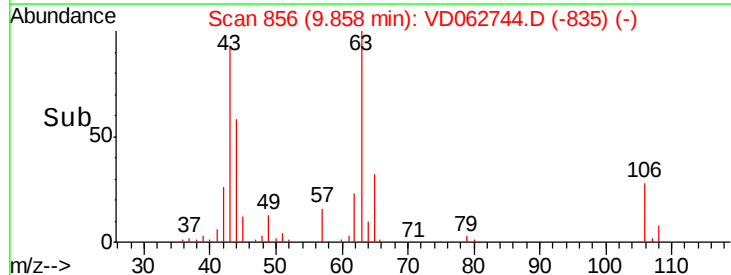
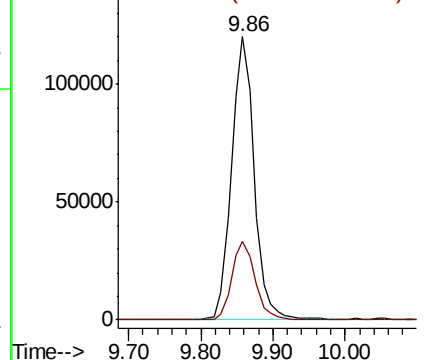
63 100

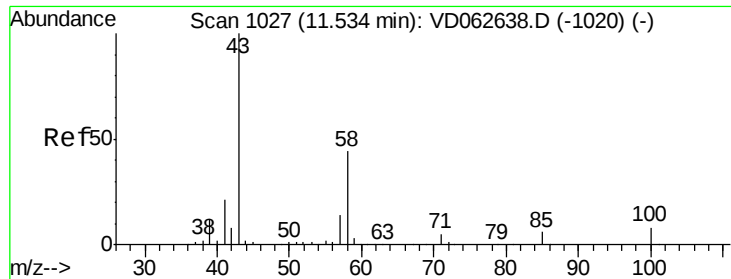
106 27.8 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

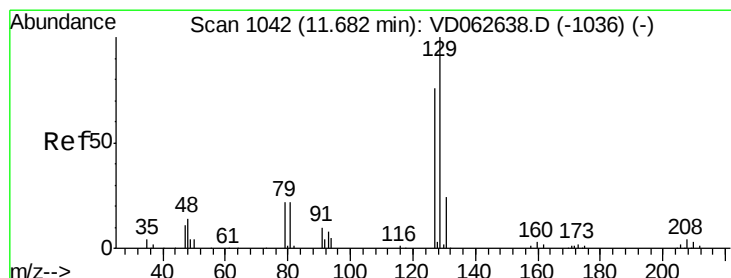
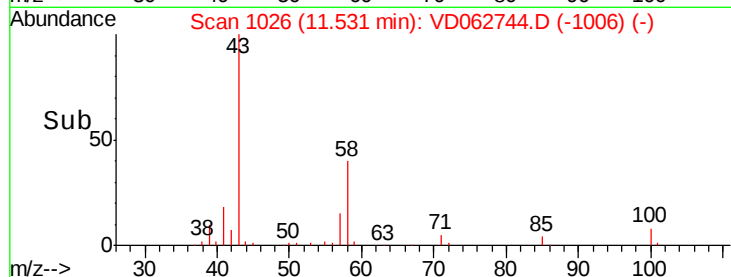
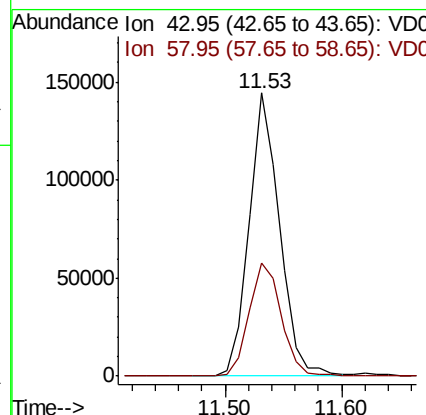
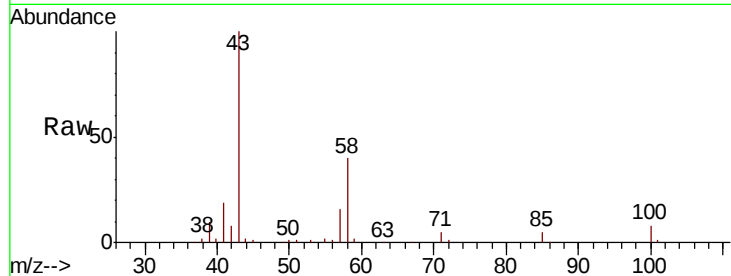




#59
2-Hexanone
Concen: 96.179 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

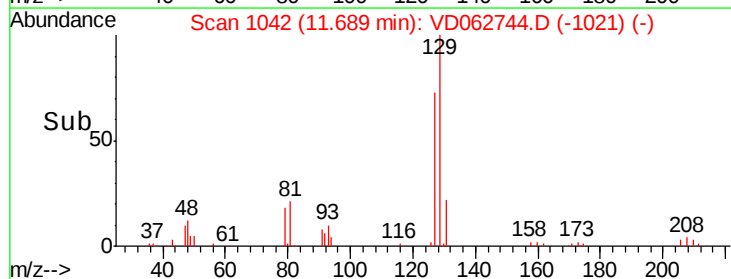
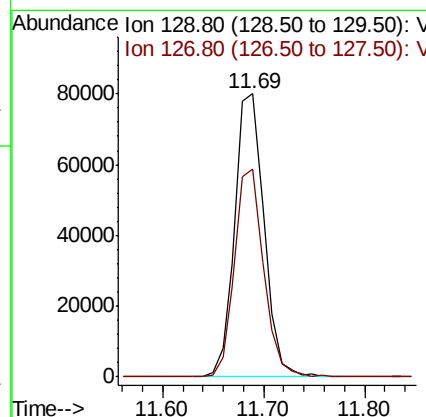
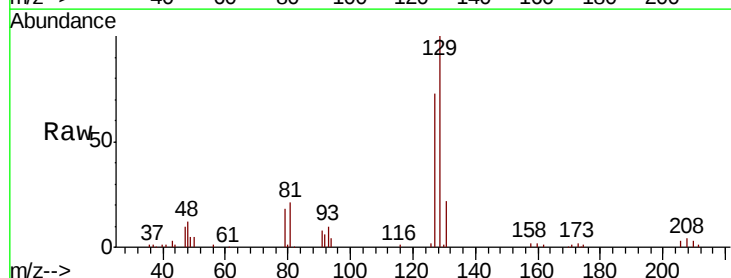
Instrument :
MSVOA_D
ClientSampleId :

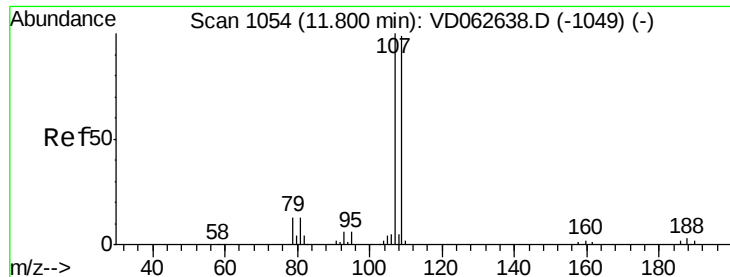
Tot Ion: 43 Resp: 260985
Ion Ratio Lower Upper
43 100
58 39.9 21.8 65.4



#60
Dibromochloromethane
Concen: 18.349 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:129 Resp: 161110
Ion Ratio Lower Upper
129 100
127 73.3 38.0 114.1

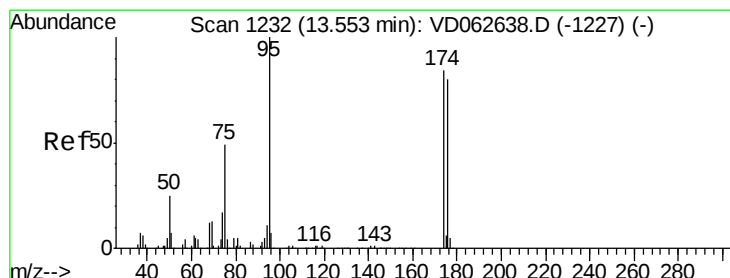
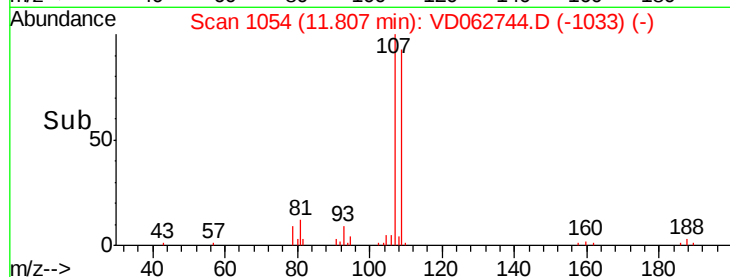
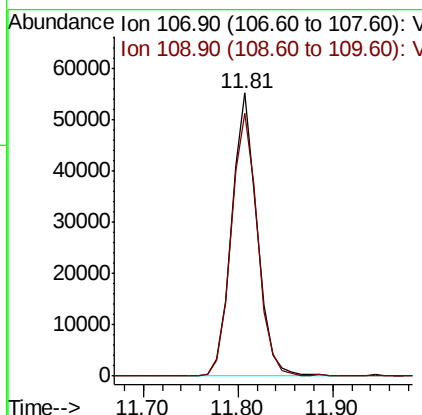
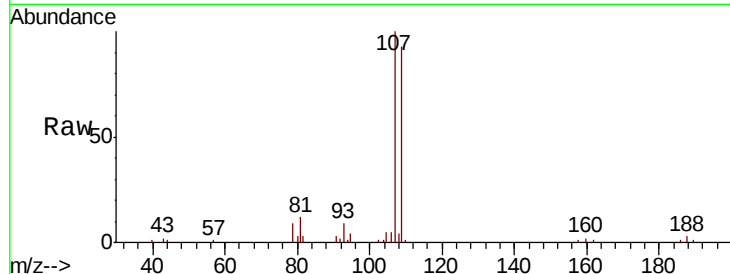




#61
1,2-Dibromoethane
Concen: 19.161 ug/l
RT: 11.81 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

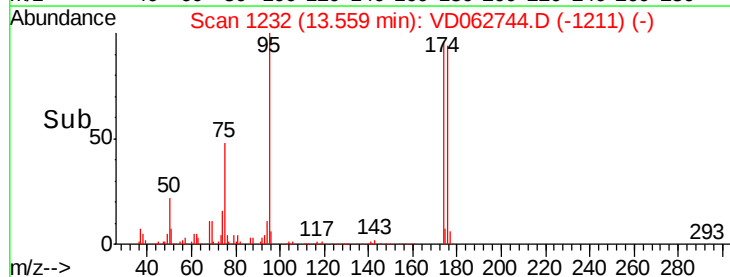
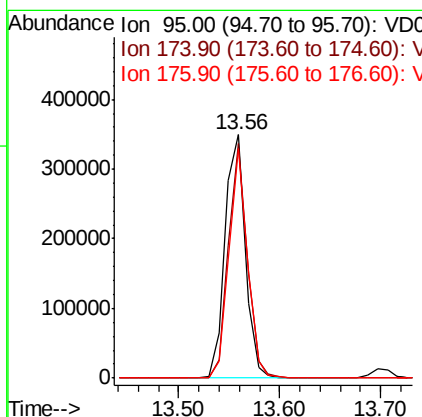
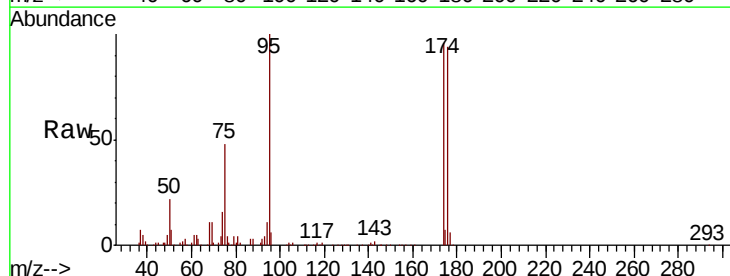
Instrument :
MSVOA_D
ClientSampleId :

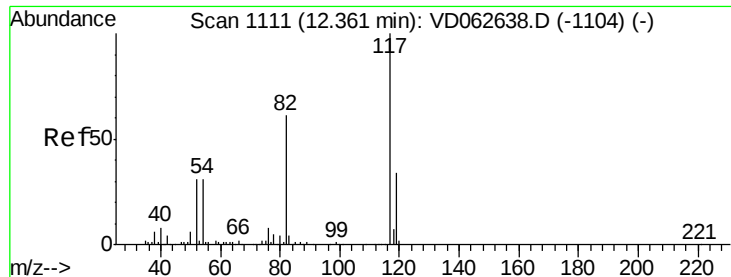
Tot Ion:107 Resp: 102006
Ion Ratio Lower Upper
107 100
109 92.7 79.2 118.8



#62
4-Bromofluorobenzene
Concen: 55.051 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 95 Resp: 491908
Ion Ratio Lower Upper
95 100
174 96.4 0.0 167.0
176 94.4 0.0 159.2

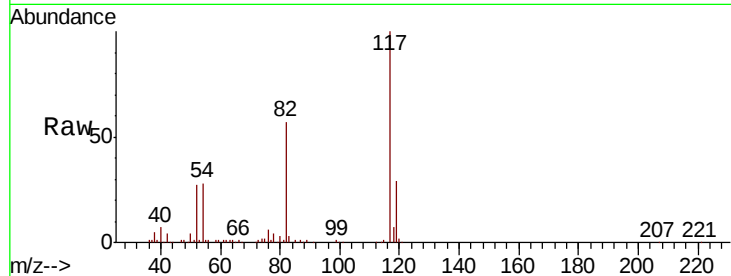




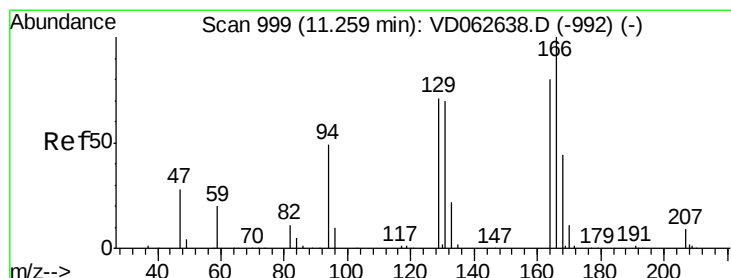
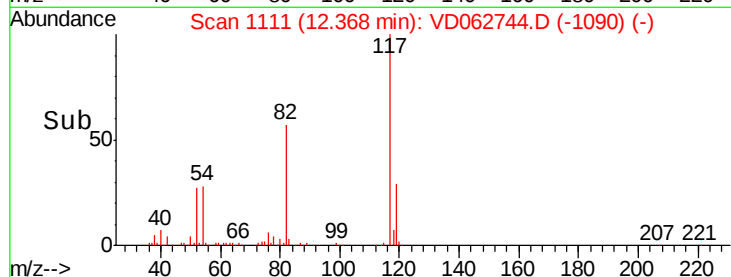
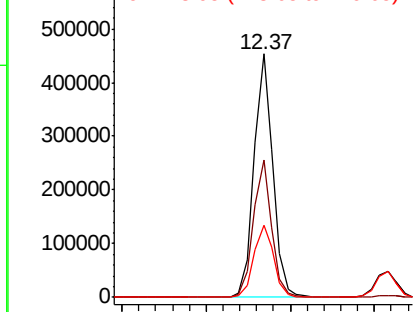
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 714640
Ion Ratio Lower Upper
117 100
82 56.5 48.7 73.1
119 29.5 27.0 40.6

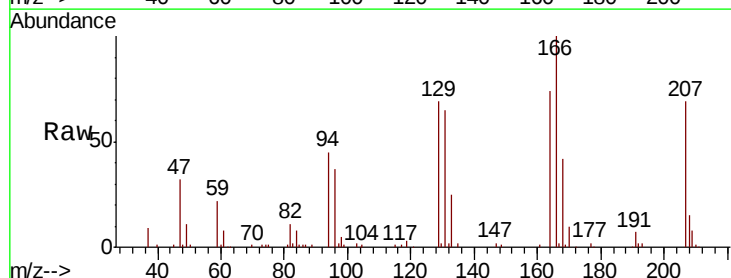


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

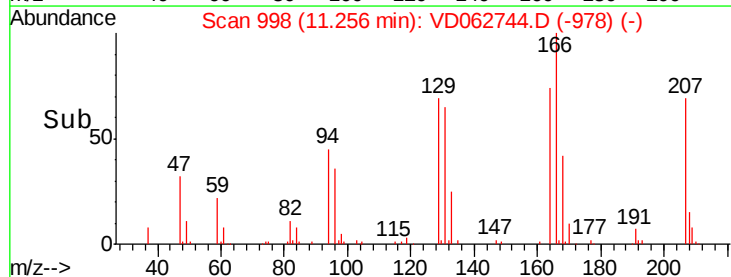
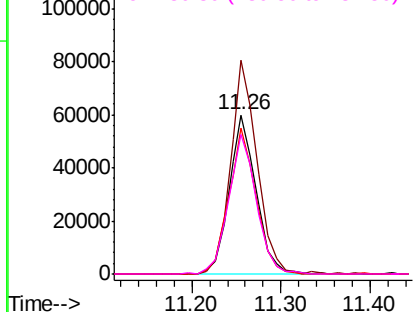


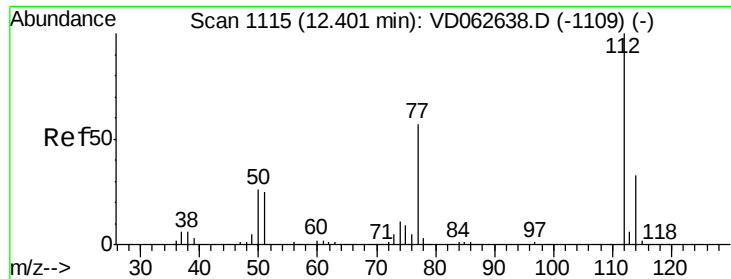
#64
Tetrachloroethene
Concen: 18.899 ug/l
RT: 11.26 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:164 Resp: 126433
Ion Ratio Lower Upper
164 100
166 134.5 99.4 149.2
129 92.2 70.2 105.4
131 87.6 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

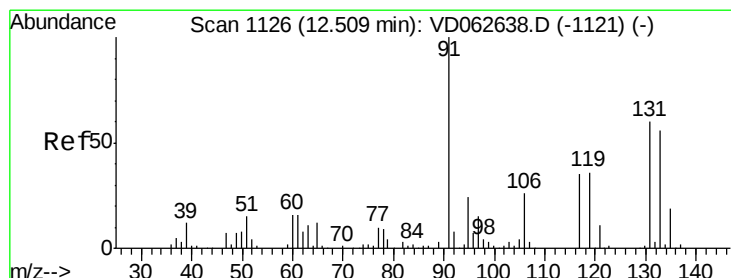
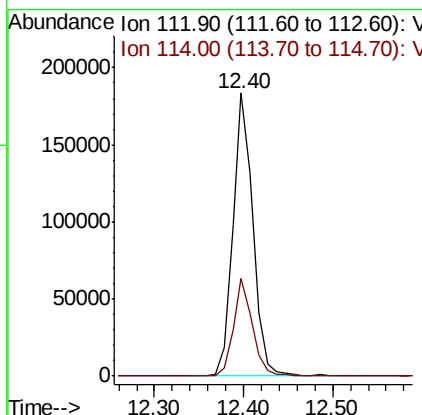
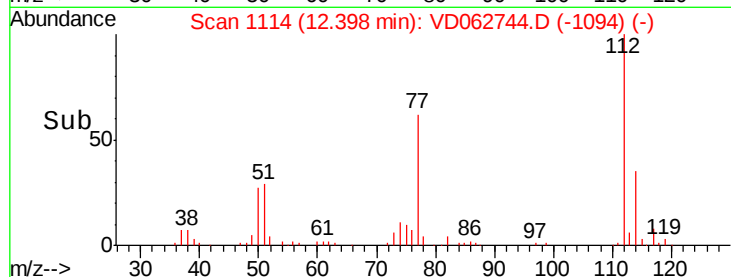
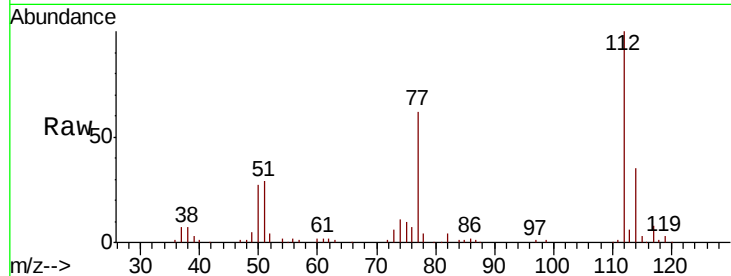




#65
Chlorobenzene
Concen: 18.297 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

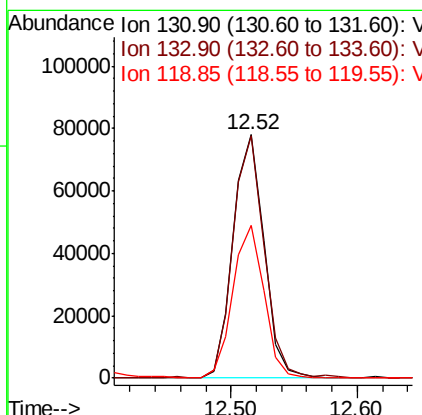
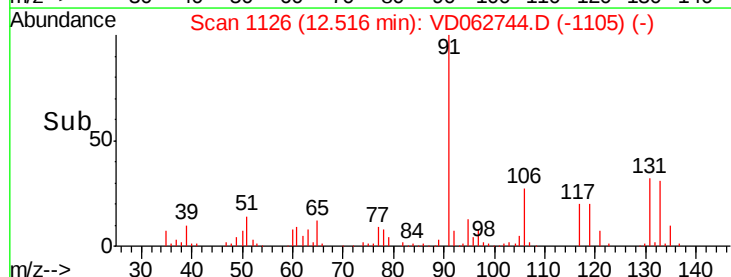
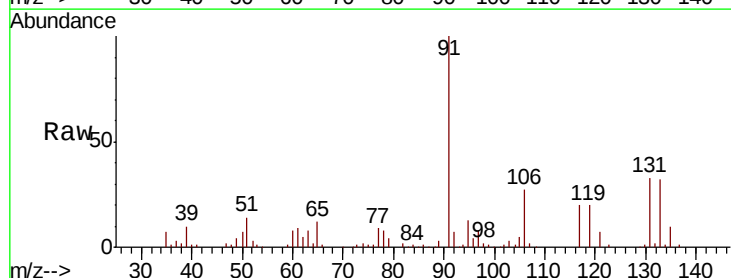
Instrument :
MSVOA_D
ClientSampled :

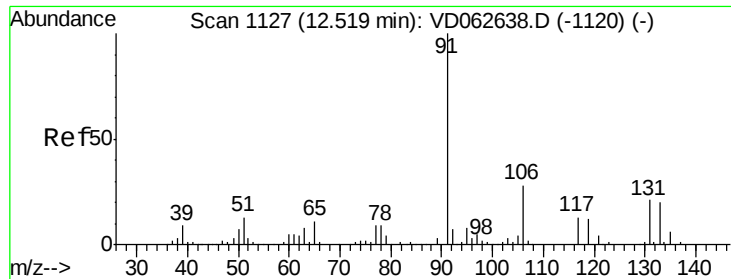
Tot Ion:112 Resp: 289225
Ion Ratio Lower Upper
112 100
114 34.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 17.514 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:131 Resp: 132044
Ion Ratio Lower Upper
131 100
133 99.8 46.8 140.3
119 62.5 29.9 89.8

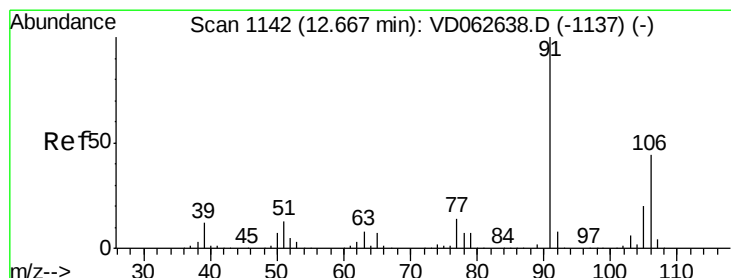
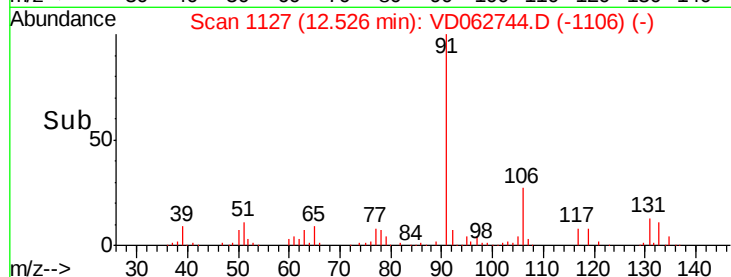
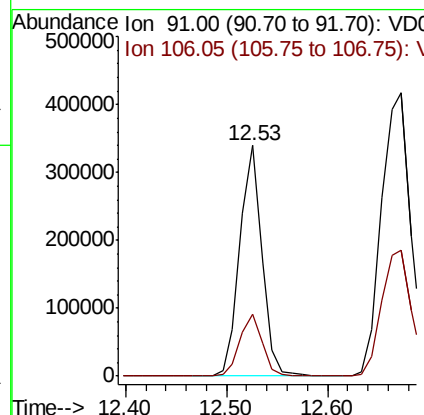
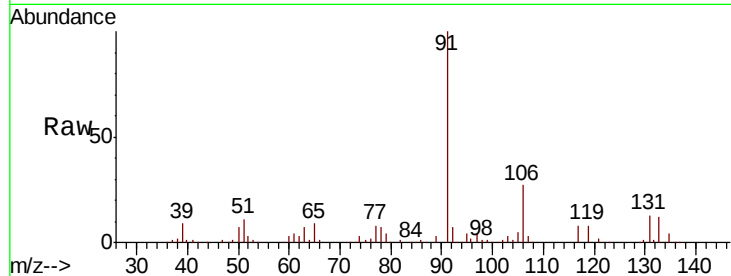




#67
Ethyl Benzene
Concen: 18.539 ug/l
RT: 12.53 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

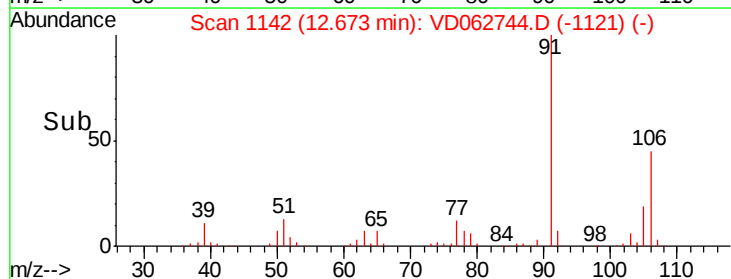
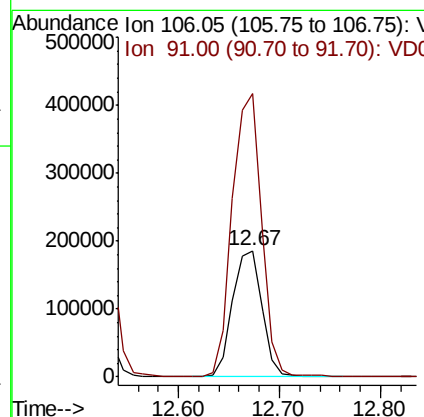
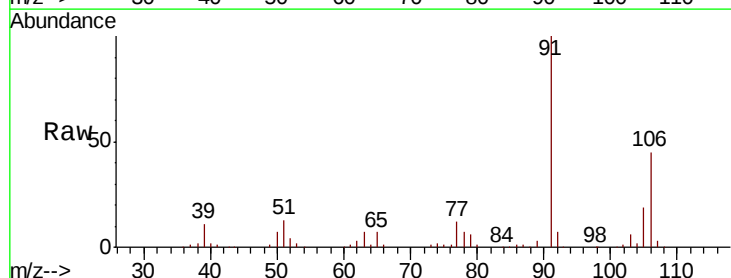
Instrument :
MSVOA_D
ClientSampleID :

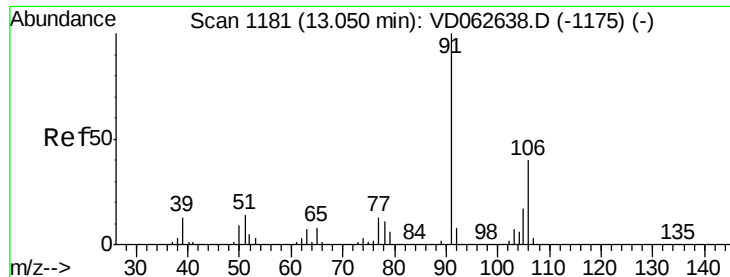
Tot Ion: 91 Resp: 519602
Ion Ratio Lower Upper
91 100
106 26.7 22.1 33.1



#68
m/p-Xylenes
Concen: 38.275 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 106 Resp: 377130
Ion Ratio Lower Upper
106 100
91 224.7 180.2 270.4

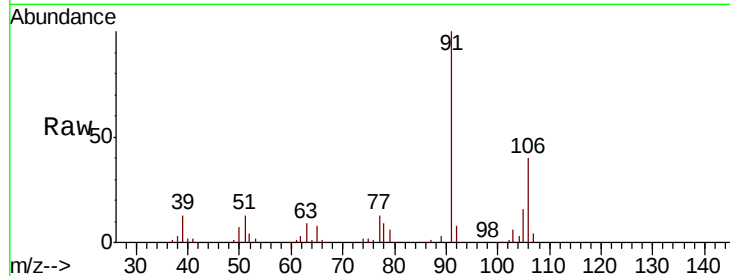




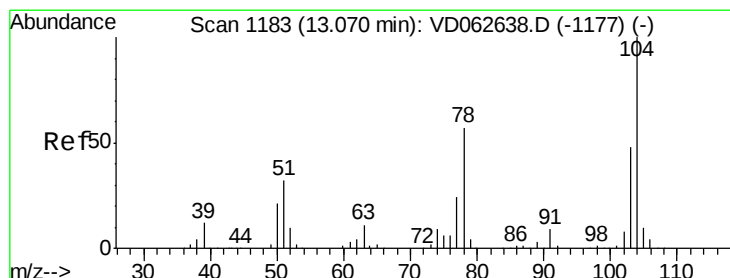
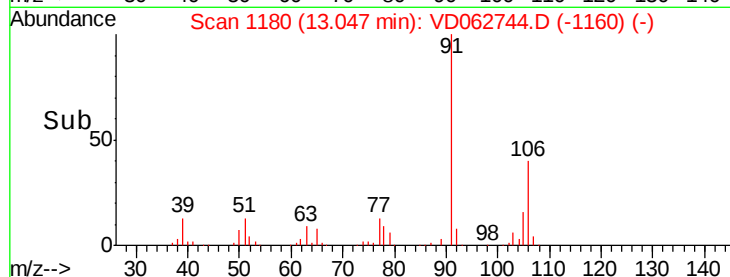
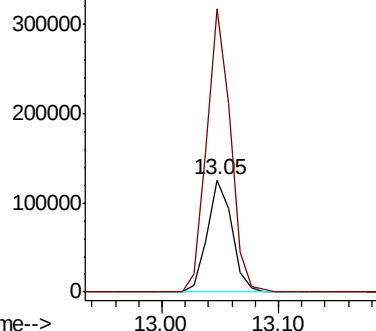
#69
o-Xylene
Concen: 20.488 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 185398
Ion Ratio Lower Upper
106 100
91 252.7 124.1 372.1

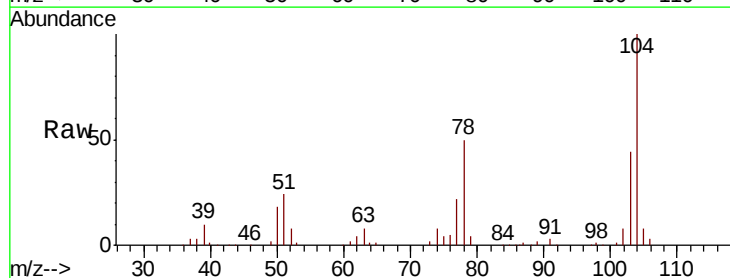


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

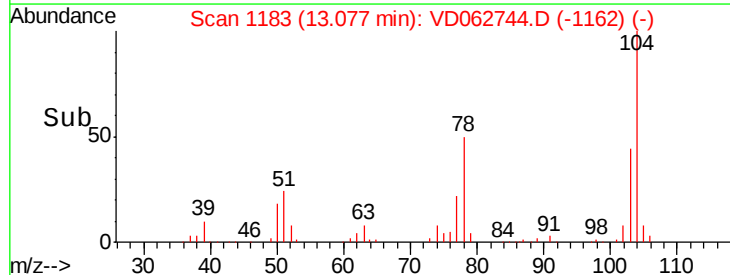
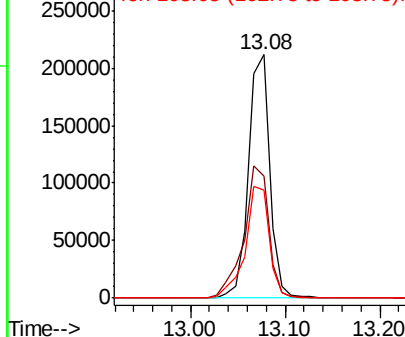


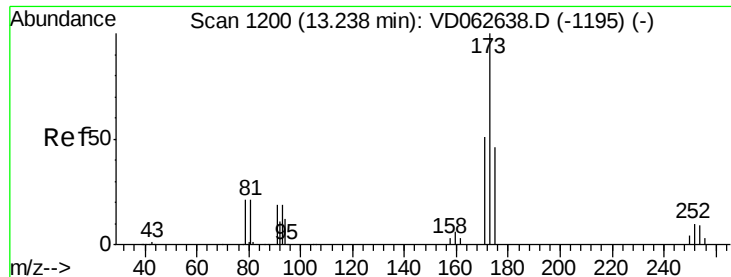
#70
Styrene
Concen: 20.350 ug/l
RT: 13.08 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:104 Resp: 328577
Ion Ratio Lower Upper
104 100
78 50.0 45.9 68.9
103 44.4 38.4 57.6



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

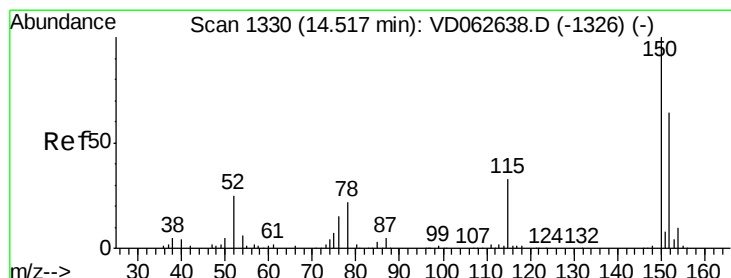
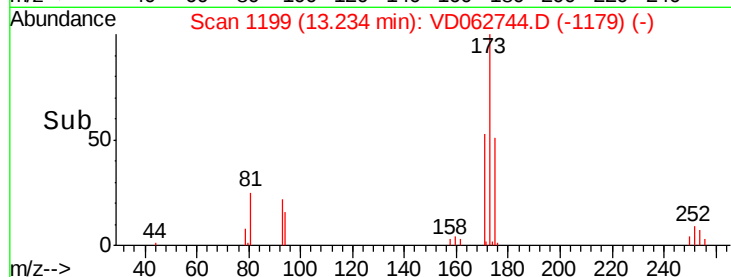
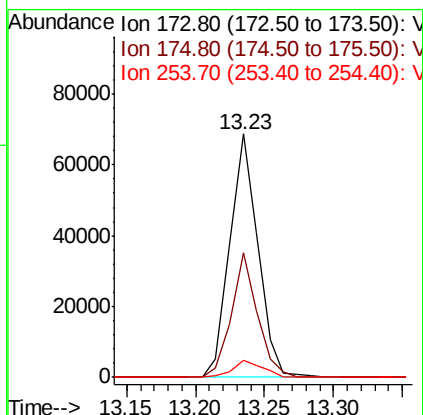
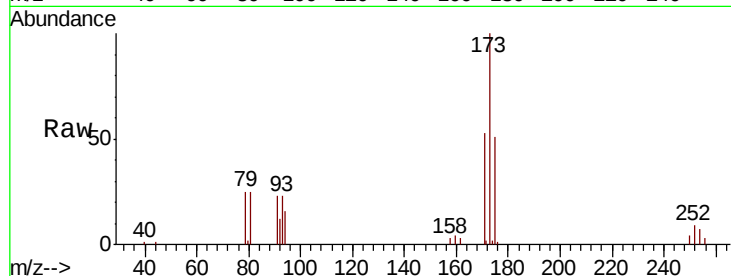




#71
Bromoform
Concen: 18.768 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

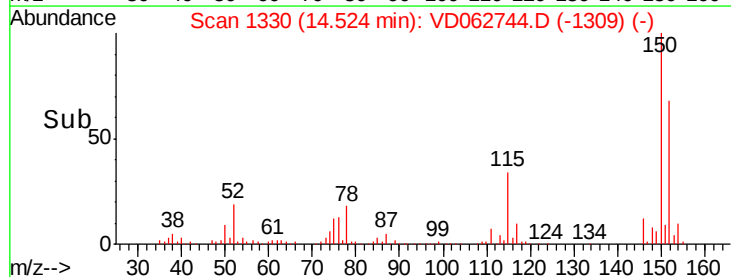
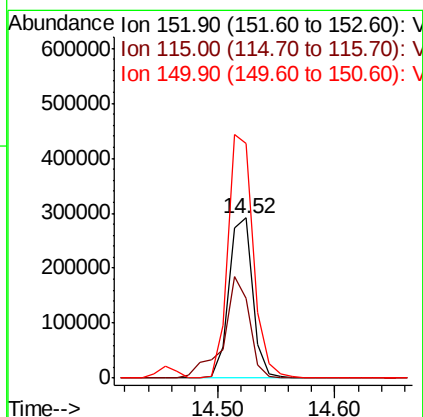
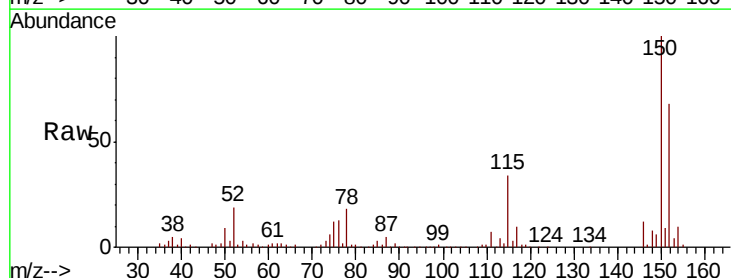
Instrument :
MSVOA_D
ClientSampleId :

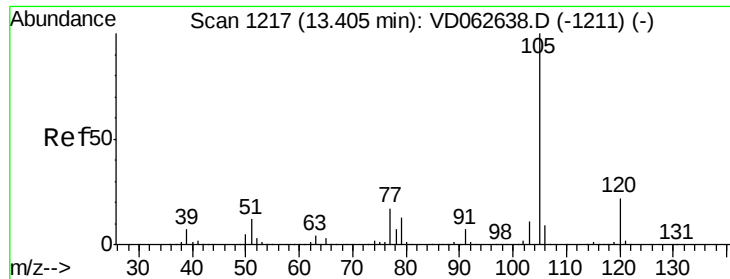
Tot Ion:173 Resp: 97705
Ion Ratio Lower Upper
173 100
175 51.3 22.9 68.7
254 7.2 7.0 10.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:152 Resp: 411316
Ion Ratio Lower Upper
152 100
115 49.7 30.1 90.5
150 146.8 0.0 314.0

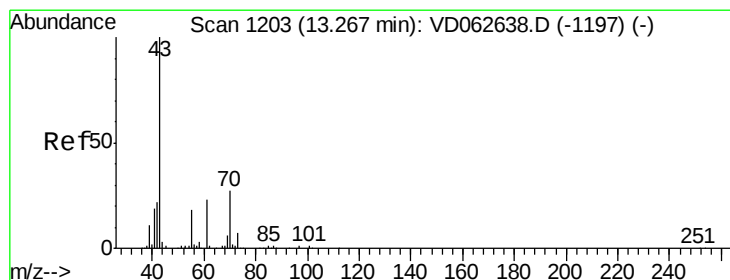
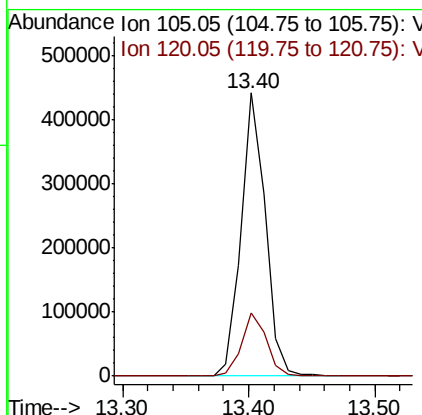
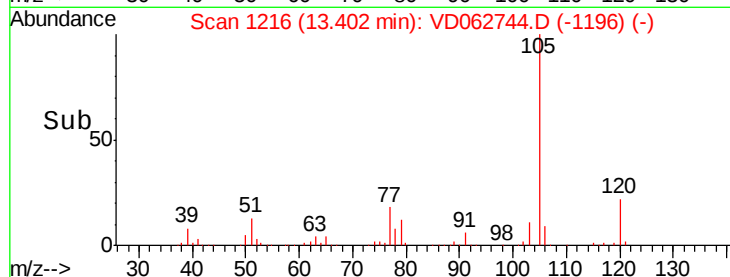
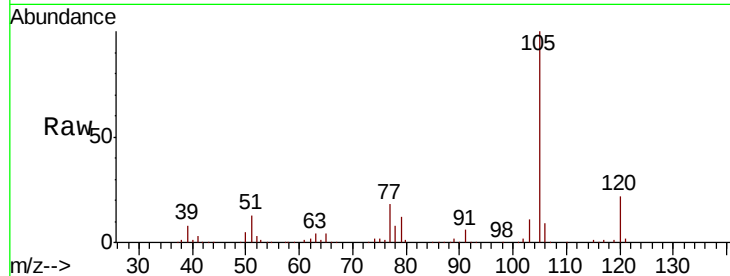




#73
Isopropylbenzene
Concen: 20.210 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

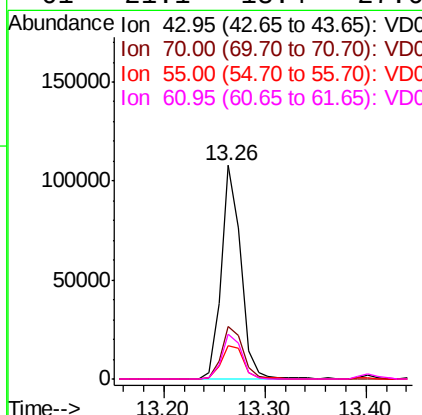
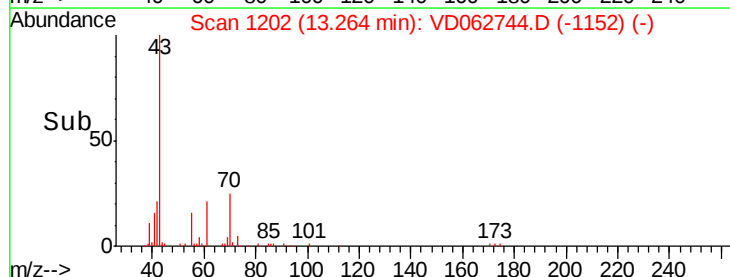
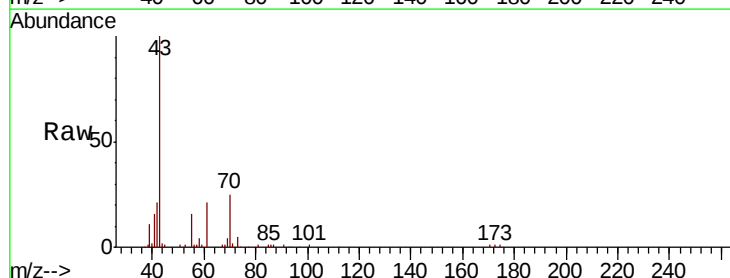
Instrument :
MSVOA_D
ClientSampleId :

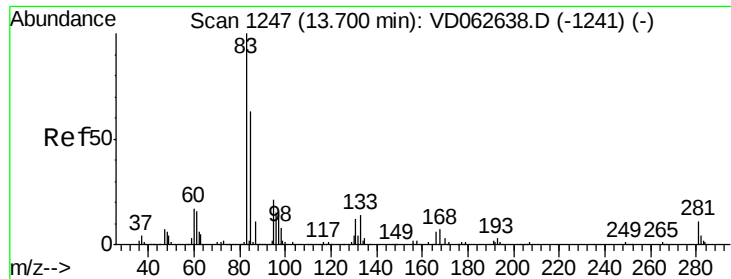
Tot Ion:105 Resp: 585909
Ion Ratio Lower Upper
105 100
120 22.2 10.9 32.7



#74
N-ethyl acetate
Concen: 18.650 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 43 Resp: 146130
Ion Ratio Lower Upper
43 100
70 24.7 21.8 32.8
55 15.8 14.6 21.8
61 21.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.177 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

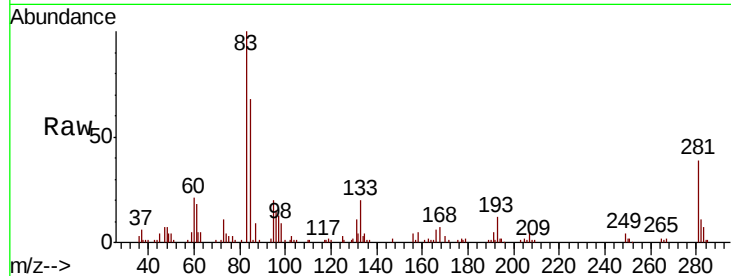
Tot Ion: 83 Resp: 95133

Ion Ratio Lower Upper

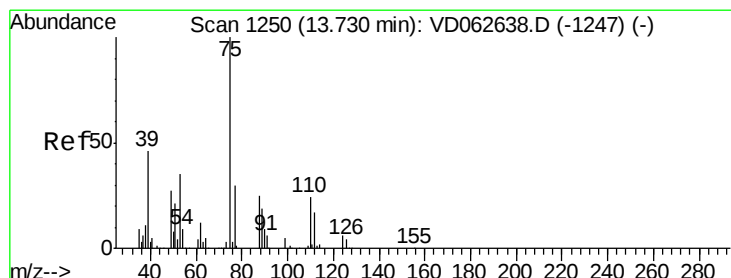
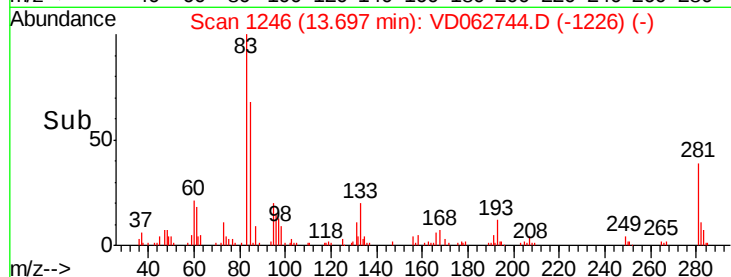
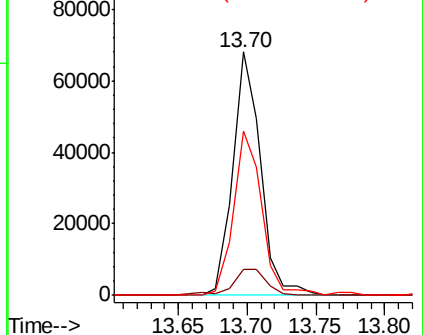
83 100

131 10.8 5.9 17.7

85 67.5 31.3 93.9



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: 19.041 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062744.D

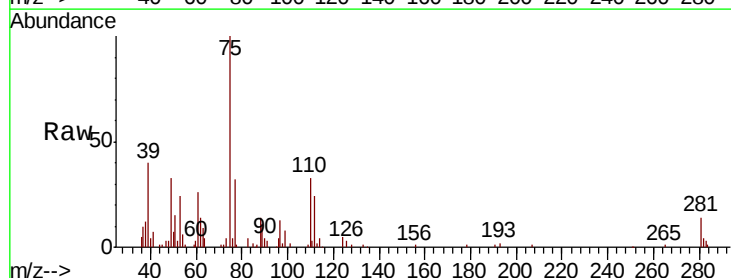
Acq: 18 Jun 2019 12:48

Tgt Ion: 75 Resp: 106195

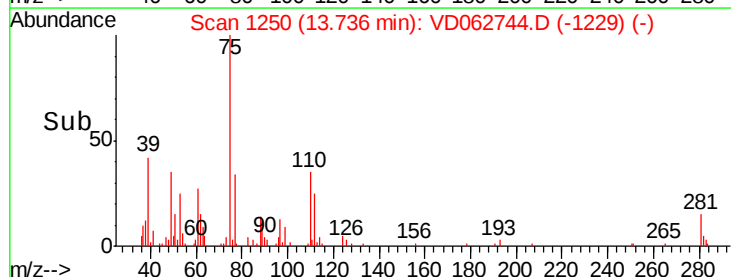
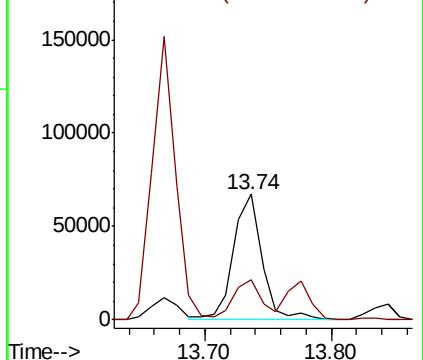
Ion Ratio Lower Upper

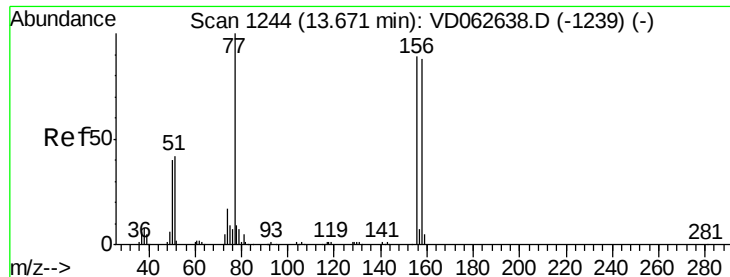
75 100

77 31.7 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.043 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

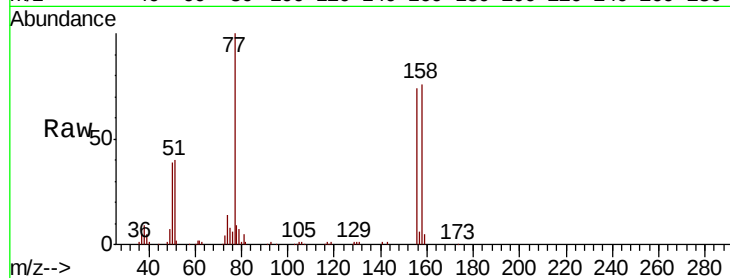
Tot Ion:156 Resp: 149514

Ion Ratio Lower Upper

156 100

77 134.8 56.3 168.8

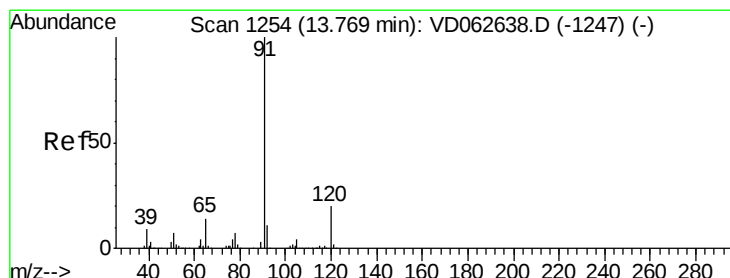
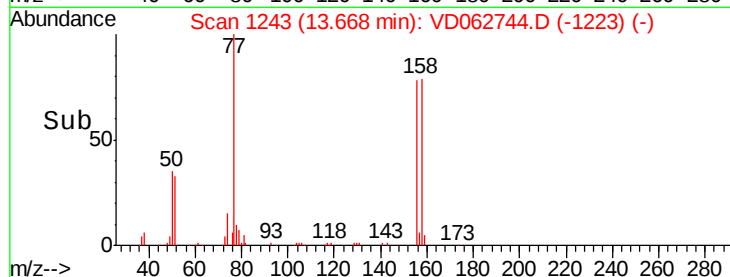
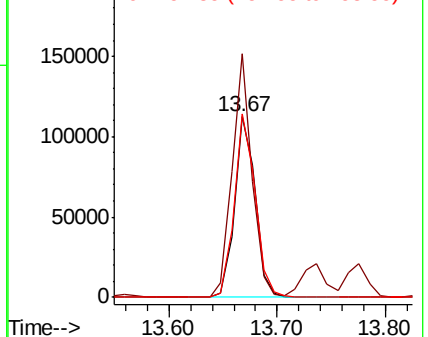
158 101.9 49.6 148.8



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: 18.363 ug/l

RT: 13.78 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062744.D

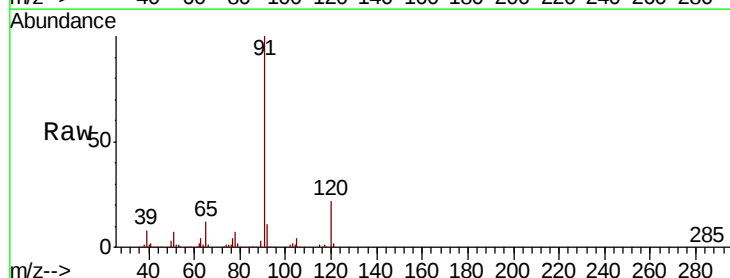
Acq: 18 Jun 2019 12:48

Tgt Ion: 91 Resp: 651657

Ion Ratio Lower Upper

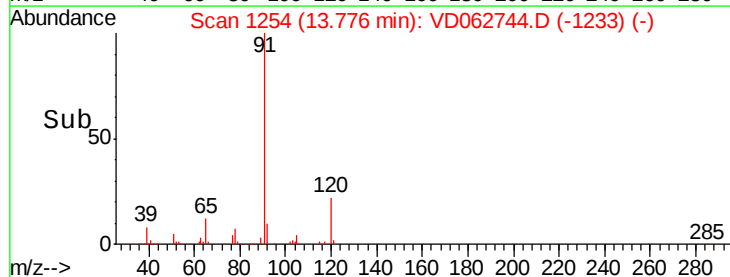
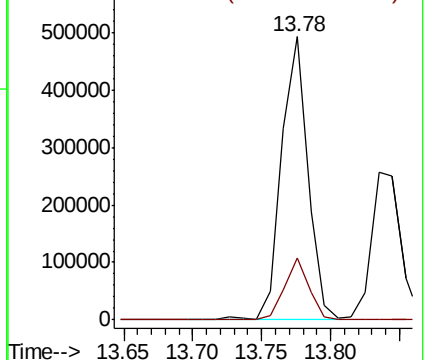
91 100

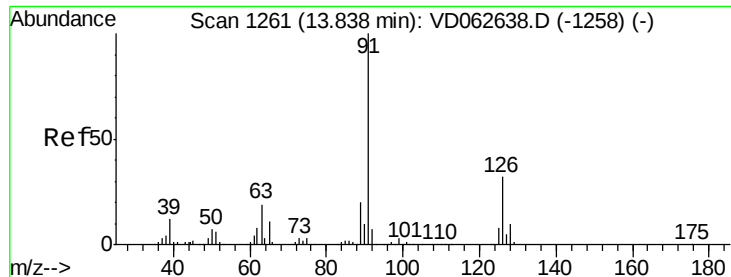
120 22.1 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.273 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

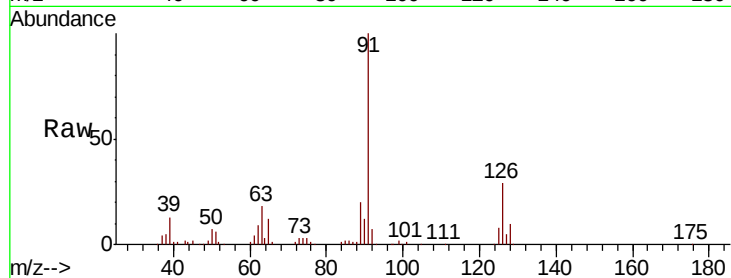
ClientSampleId :

Tot Ion: 91 Resp: 379686

Ion Ratio Lower Upper

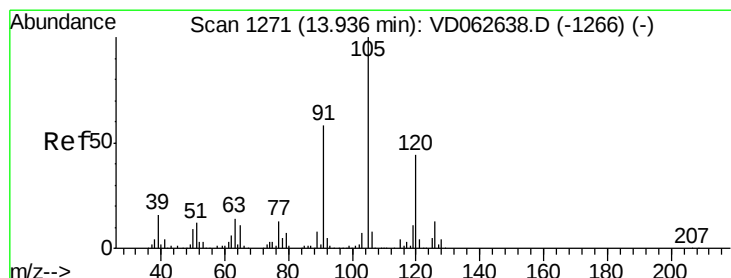
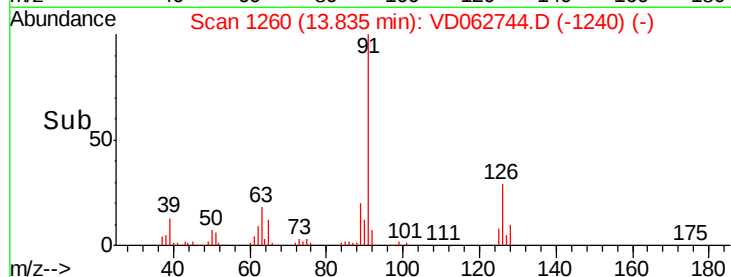
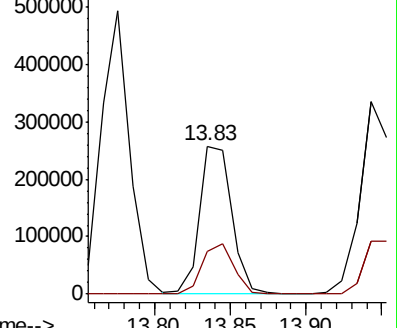
91 100

126 29.1 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062638.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062638.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.872 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062744.D

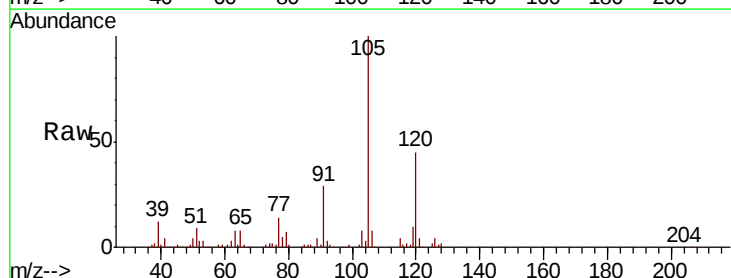
Acq: 18 Jun 2019 12:48

Tgt Ion:105 Resp: 509165

Ion Ratio Lower Upper

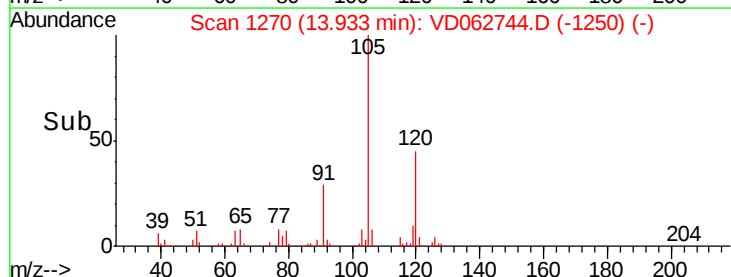
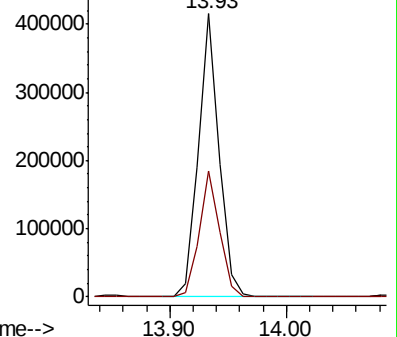
105 100

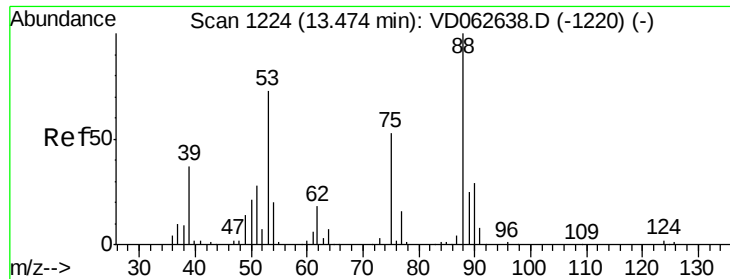
120 44.5 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062638.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD062638.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.466 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

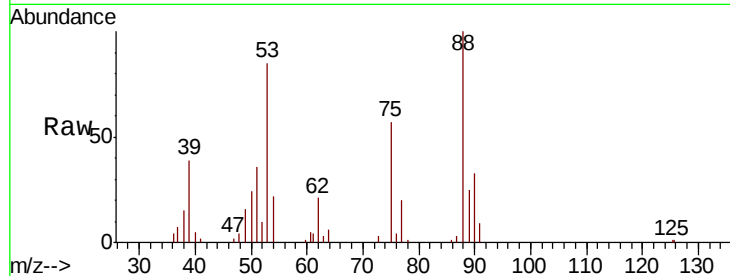
Tot Ion: 75 Resp: 26135

Ion Ratio Lower Upper

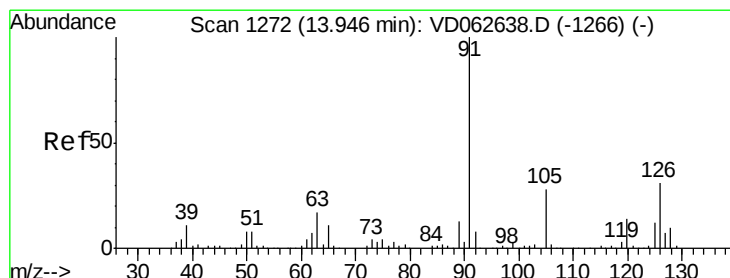
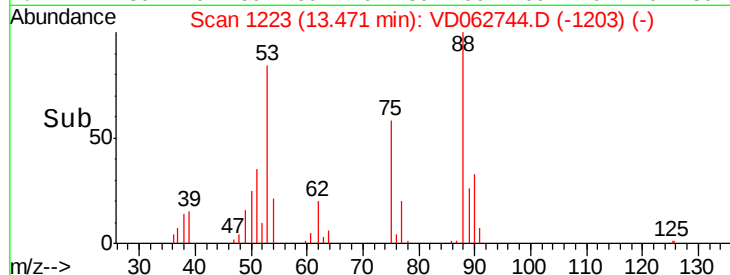
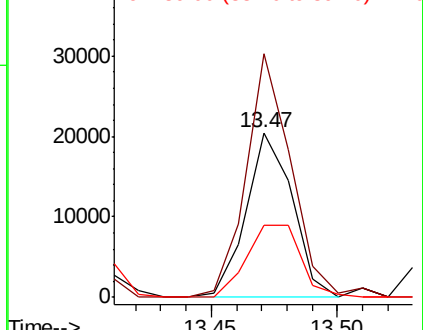
75 100

53 148.2 109.4 164.2

89 44.2 37.0 55.6



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: 19.997 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062744.D

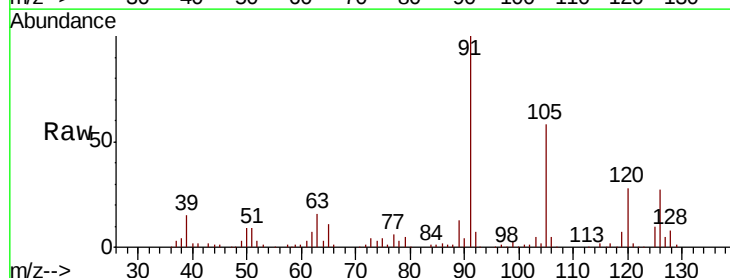
Acq: 18 Jun 2019 12:48

Tgt Ion: 91 Resp: 496898

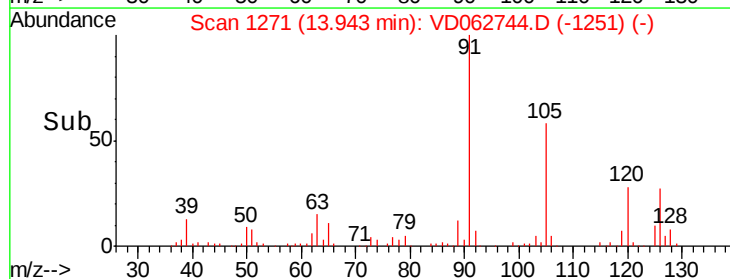
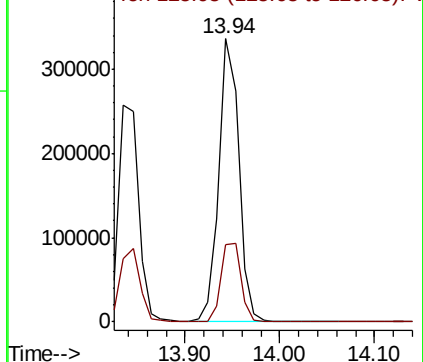
Ion Ratio Lower Upper

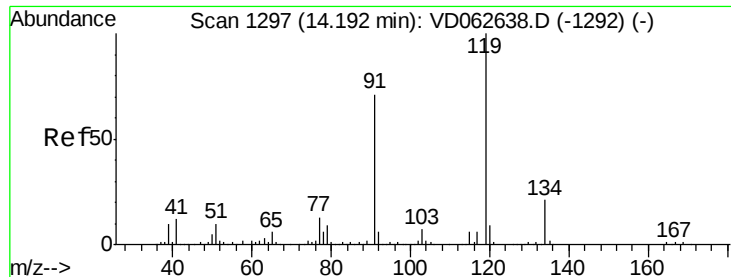
91 100

126 27.4 15.6 46.8



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





#83

tert-Butylbenzene

Concen: 19.080 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

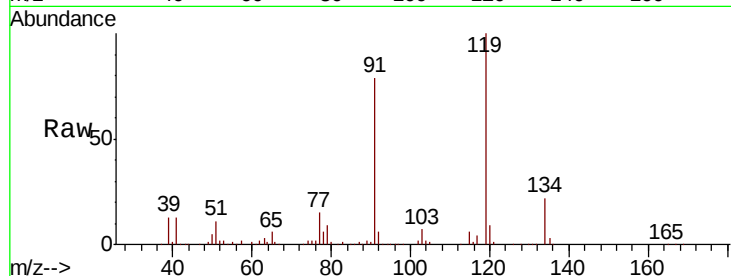
Tot Ion:119 Resp: 539208

Ion Ratio Lower Upper

119 100

91 79.2 35.4 106.1

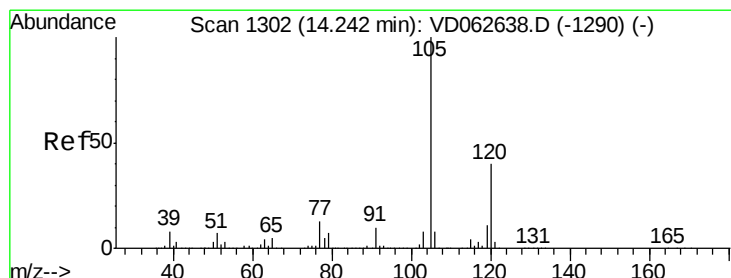
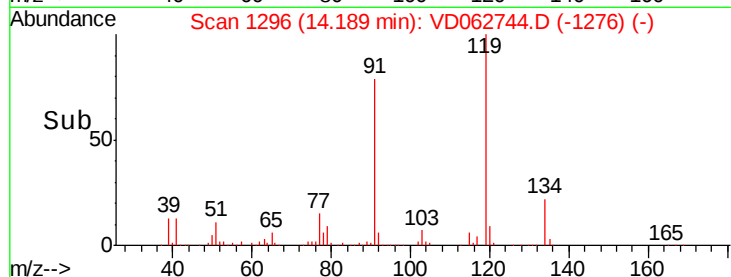
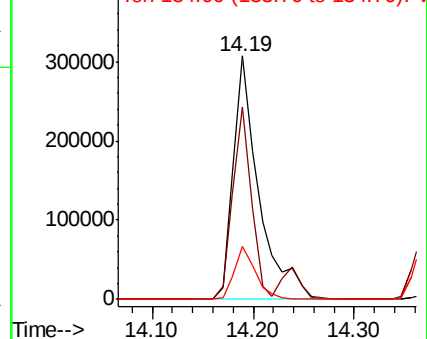
134 21.7 10.8 32.3



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: 18.878 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD062744.D

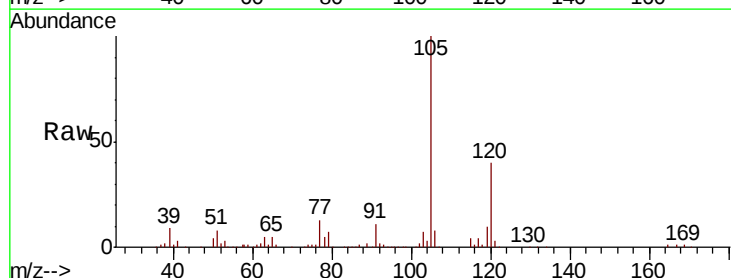
Acq: 18 Jun 2019 12:48

Tgt Ion:105 Resp: 478927

Ion Ratio Lower Upper

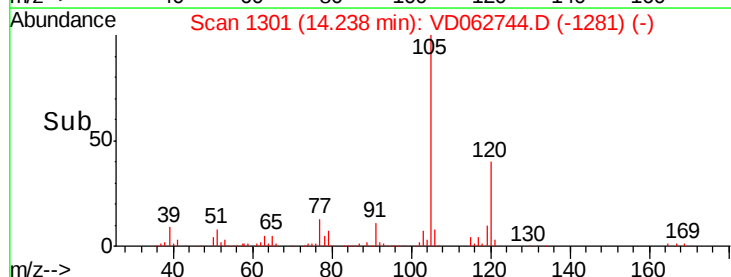
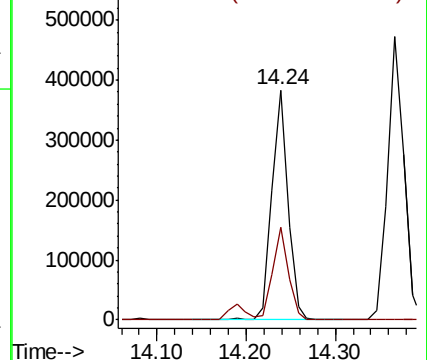
105 100

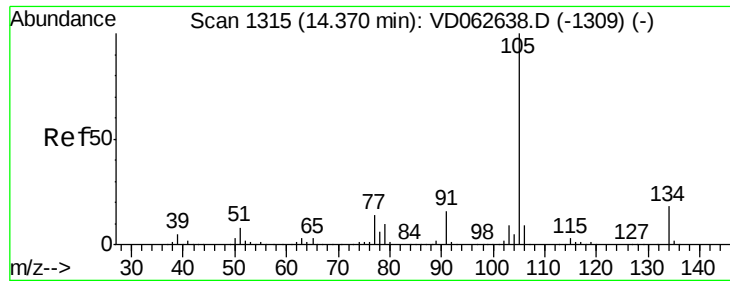
120 40.2 20.3 60.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

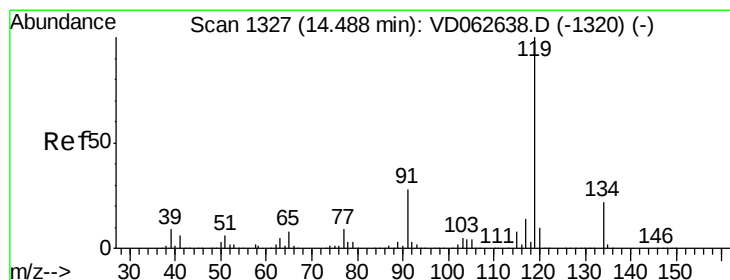
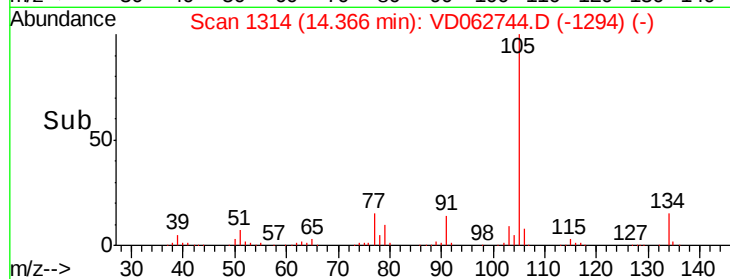
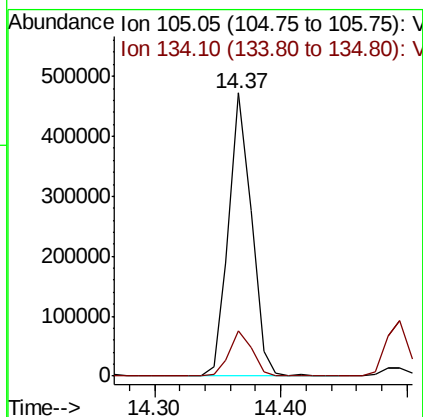
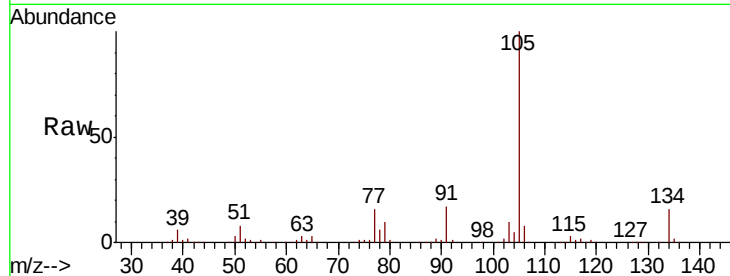




#85
 sec-Butylbenzene
 Concen: 19.959 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

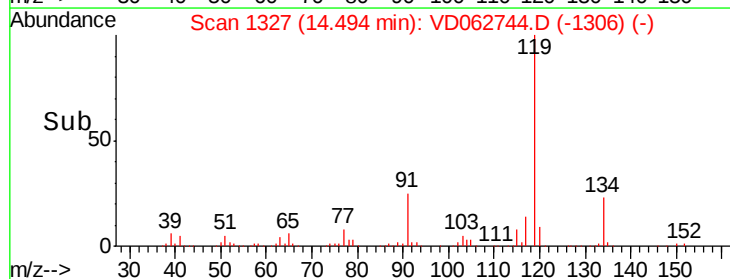
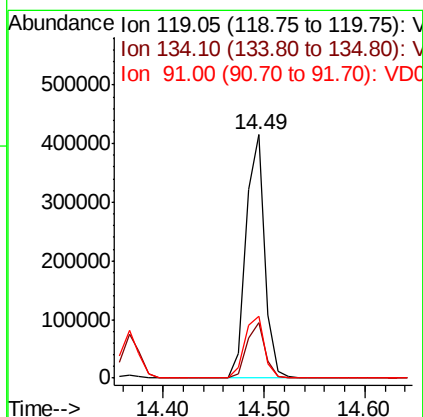
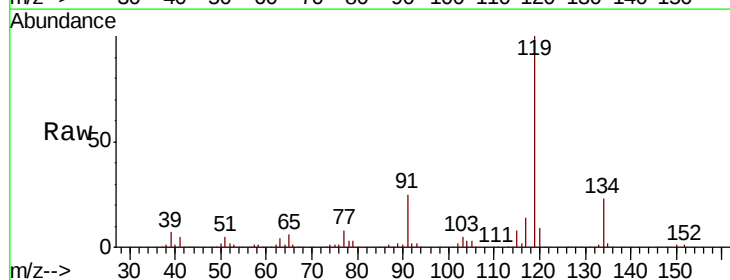
Instrument :
 MSVOA_D
 ClientSampled :

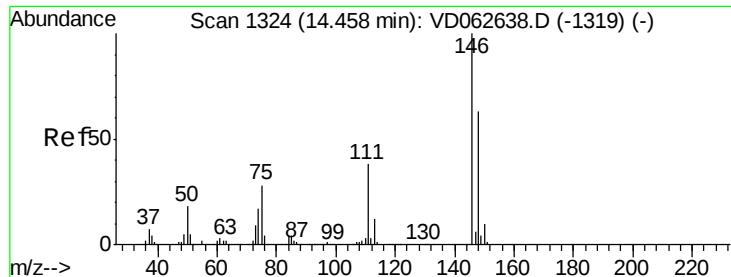
Tot Ion:105 Resp: 591465
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 18.558 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Tgt Ion:119 Resp: 535452
 Ion Ratio Lower Upper
 119 100
 134 22.5 10.9 32.6
 91 25.5 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 18.327 ug/l

RT: 14.46 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

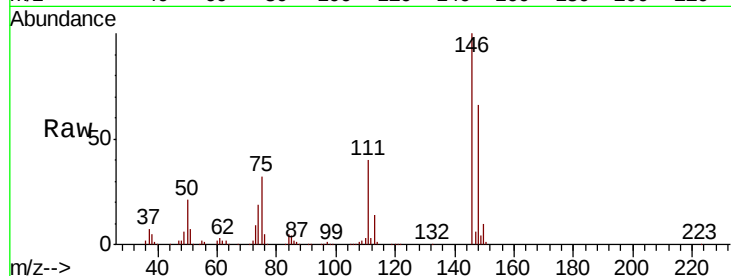
Tot Ion:146 Resp: 275118

Ion Ratio Lower Upper

146 100

111 39.9 19.2 57.6

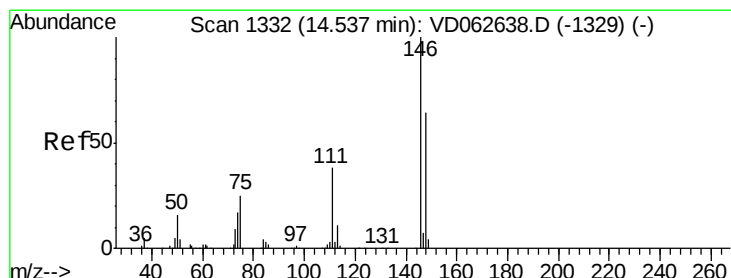
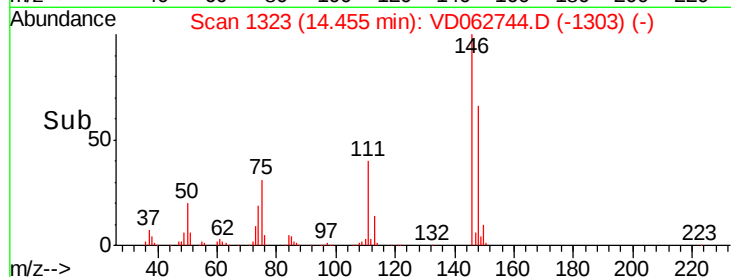
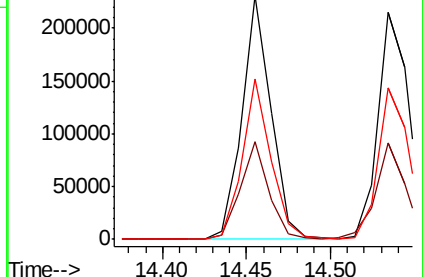
148 66.0 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 19.452 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

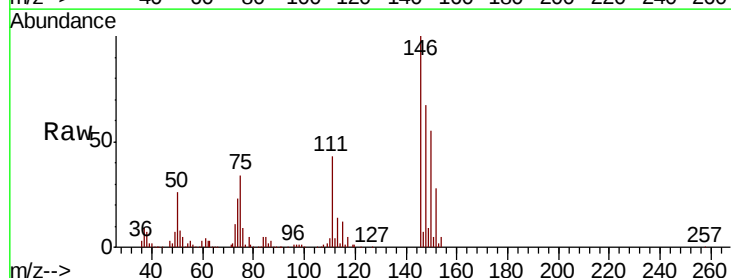
Tgt Ion:146 Resp: 275954

Ion Ratio Lower Upper

146 100

111 42.5 18.9 56.7

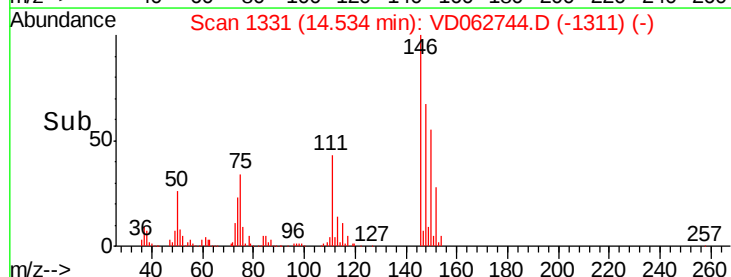
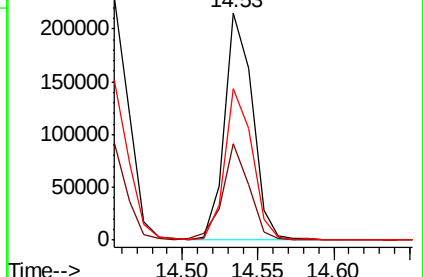
148 66.7 32.3 96.8

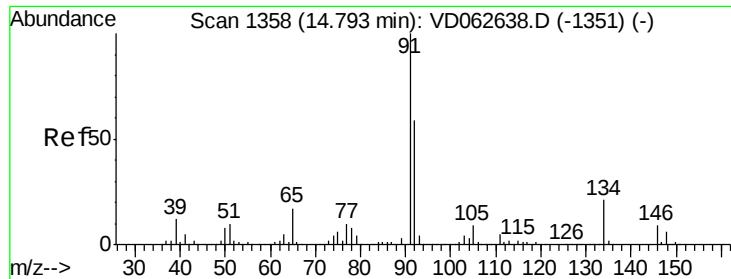


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

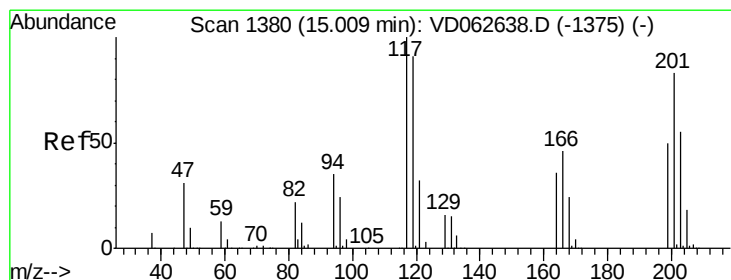
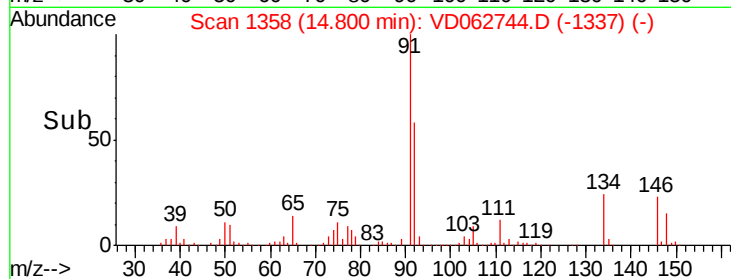
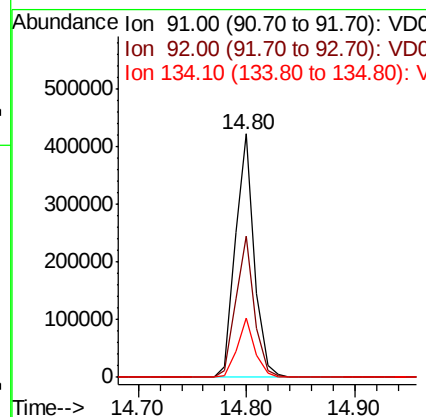
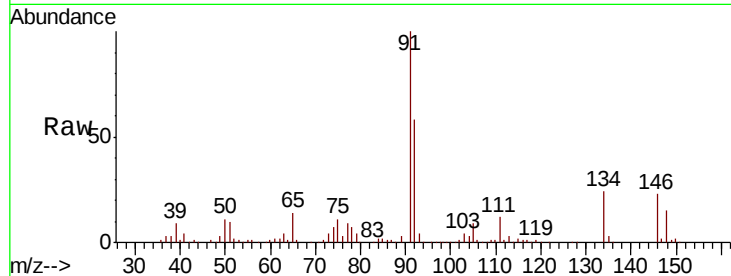




#89
n-Butylbenzene
Concen: 19.683 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

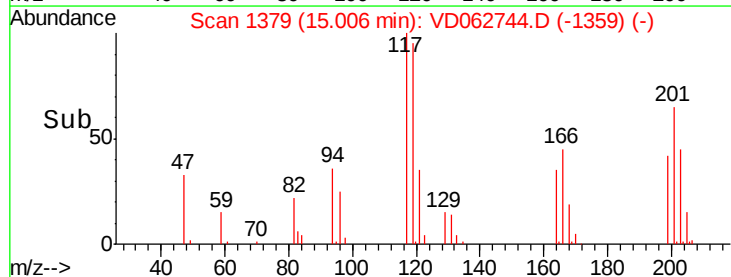
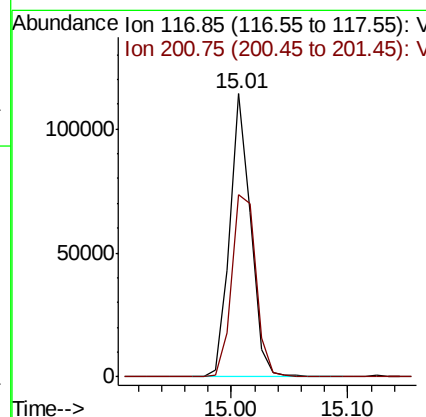
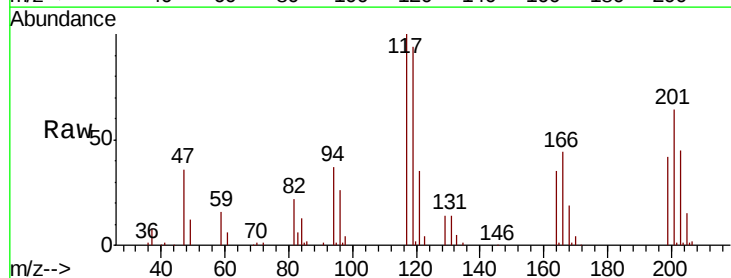
Instrument :
MSVOA_D
ClientSampled :

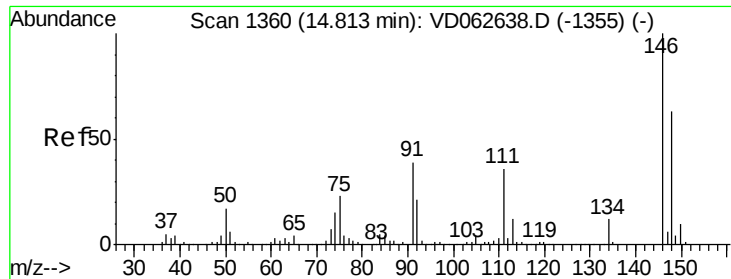
Tot Ion: 91 Resp: 510901
Ion Ratio Lower Upper
91 100
92 57.9 29.4 88.3
134 24.2 10.4 31.2



#90
Hexachloroethane
Concen: 18.657 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion: 117 Resp: 142107
Ion Ratio Lower Upper
117 100
201 64.4 41.5 124.6





#91

1,2-Dichlorobenzene

Concen: 19.558 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

Instrument :

MSVOA_D

ClientSampleId :

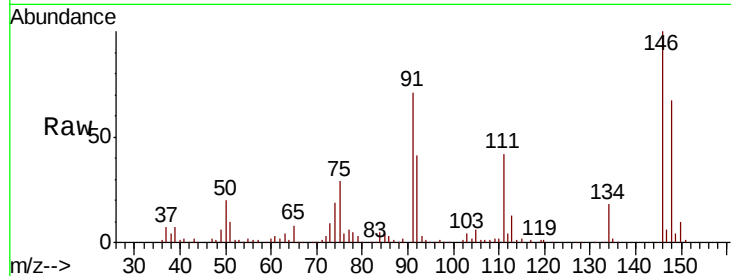
Tot Ion:146 Resp: 244053

Ion Ratio Lower Upper

146 100

111 42.0 18.1 54.3

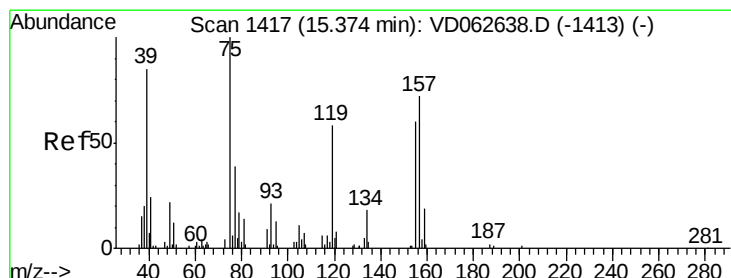
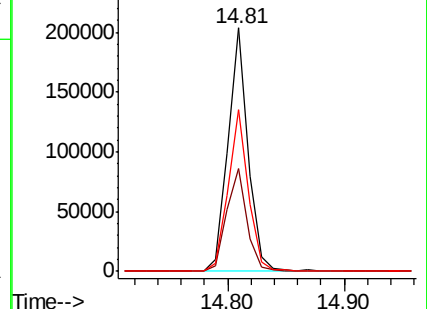
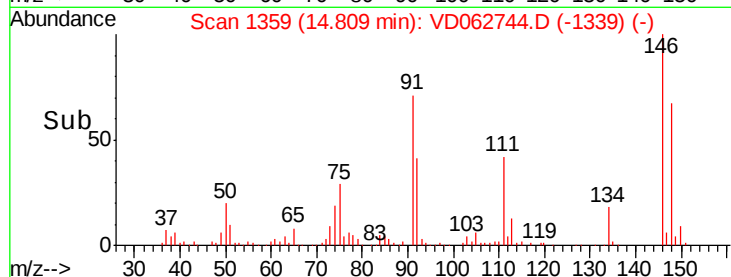
148 66.6 31.4 94.0



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: 18.858 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD062744.D

Acq: 18 Jun 2019 12:48

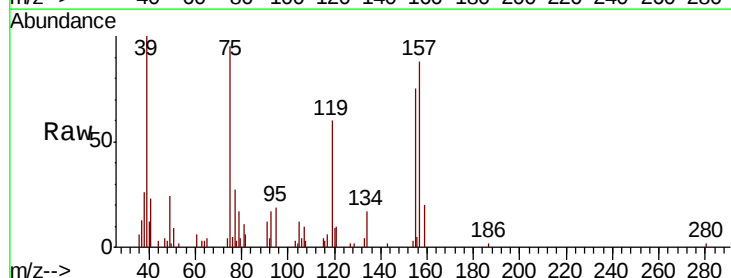
Tgt Ion: 75 Resp: 19982

Ion Ratio Lower Upper

75 100

155 78.5 30.1 90.5

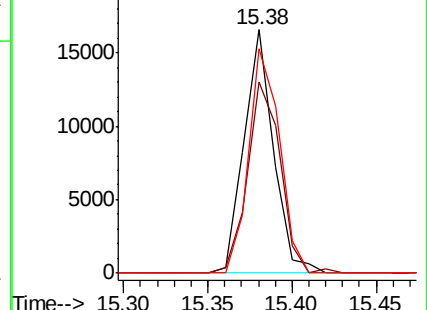
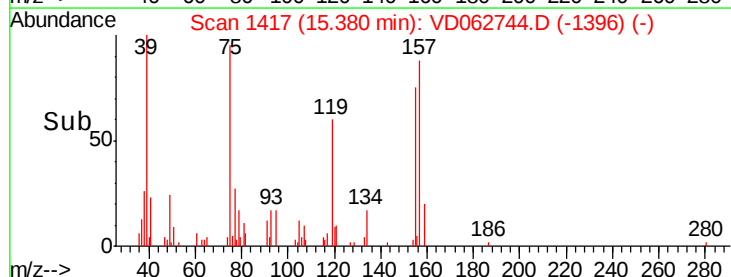
157 92.3 35.9 107.8

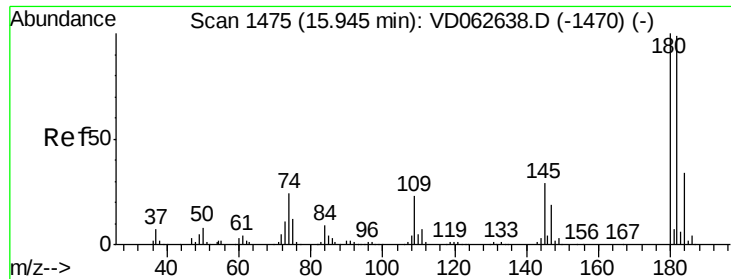


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

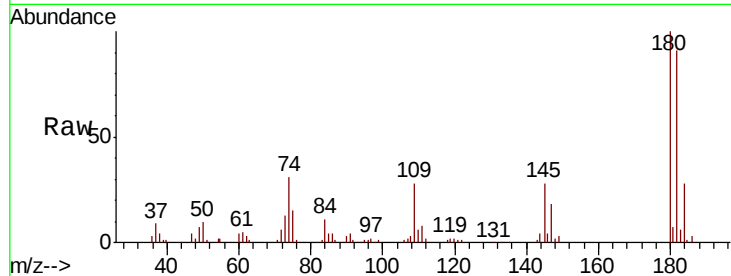




#93
 1,2,4-Trichlorobenzene
 Concen: 19.427 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	49.4	148.2
145	28.3	14.5	43.6

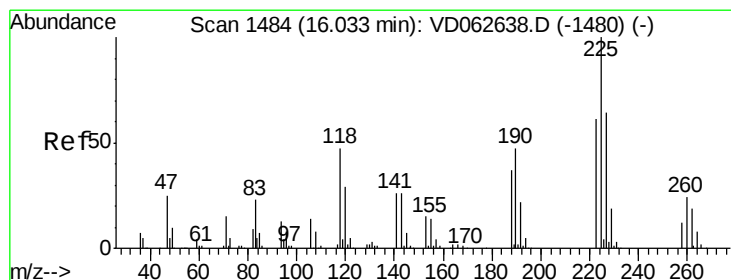
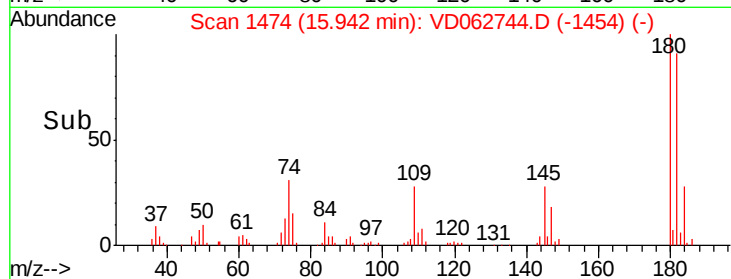
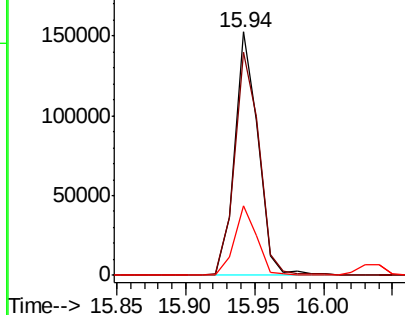


Abundance

Ion 179.85 (179.55 to 180.55): V

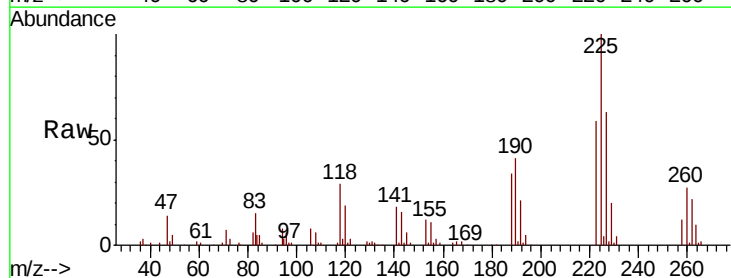
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 18.942 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062744.D
 Acq: 18 Jun 2019 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.7	30.3	91.0
227	62.7	31.8	95.4

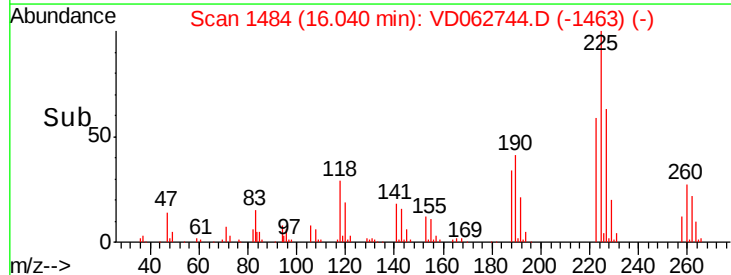
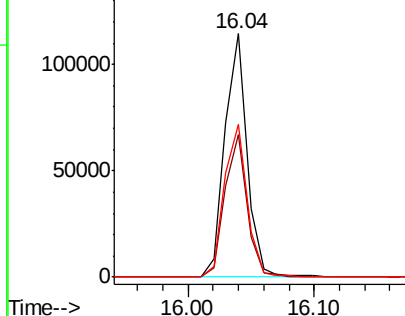


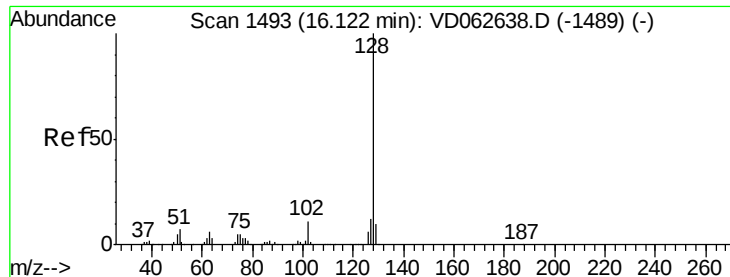
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

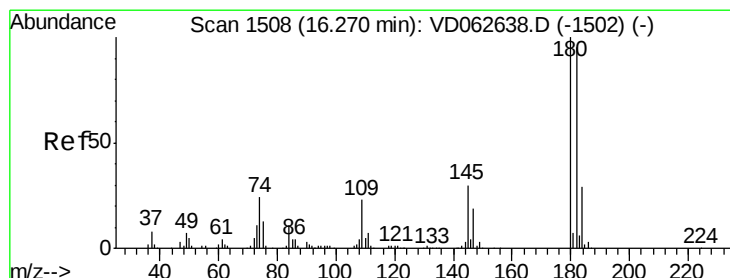
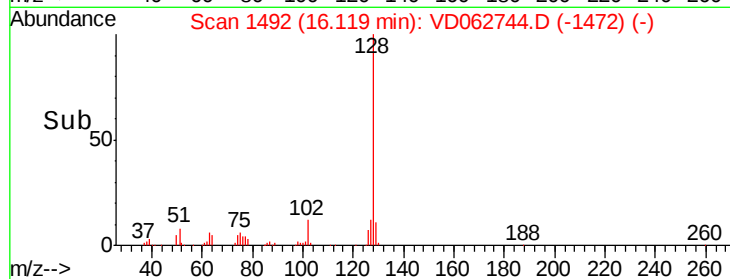
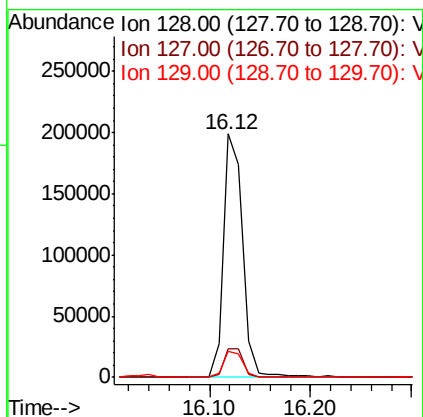
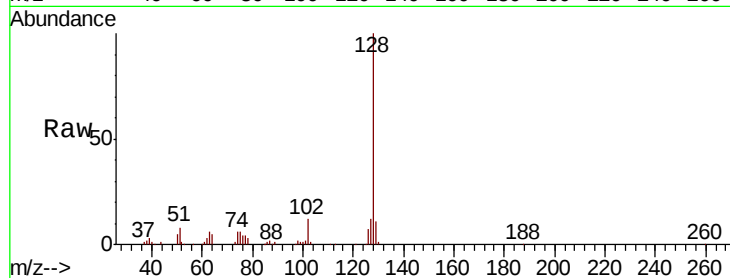




#95
Naphthalene
Concen: 19.795 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 262027
Ion Ratio Lower Upper
128 100
127 11.6 9.7 14.5
129 10.7 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 18.083 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062744.D
Acq: 18 Jun 2019 12:48

Tgt Ion:180 Resp: 129969
Ion Ratio Lower Upper
180 100
182 91.2 47.7 143.1
145 33.3 15.0 45.0

