

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062746.D
 Acq On : 18 Jun 2019 13:42
 Operator : VA/AP
 Sample : K3406-01RE
 Misc : 5.80g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:24:29 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	7.05	168	936800	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1213270	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1024440	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	455512	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	458935	33.95	ug/l	0.00
Spiked Amount			Recovery	=	67.90%	
35) Dibromofluoromethane	6.93	113	469320	36.68	ug/l	0.01
Spiked Amount			Recovery	=	73.36%	
50) Toluene-d8	10.41	98	995367	36.98	ug/l	0.00
Spiked Amount			Recovery	=	73.96%	
62) 4-Bromofluorobenzene	13.55	95	438869	34.95	ug/l	0.00
Spiked Amount			Recovery	=	69.90%	

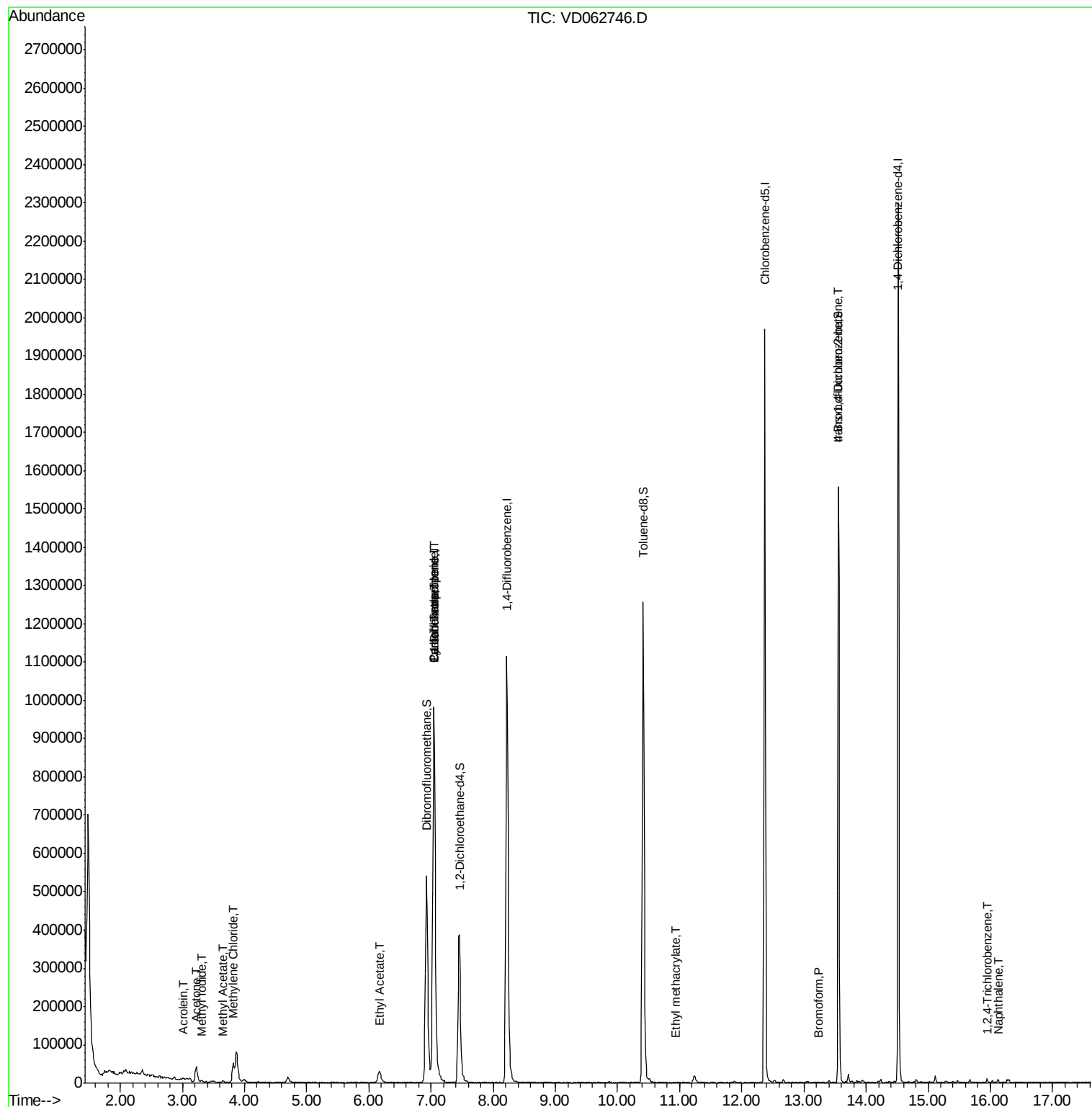
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	406	Below Cal	#	42
10) Methyl Iodide	3.31	142	1860	4.111	ug/l #	25
13) Acrolein	3.03	56	215	1.203	ug/l	84
16) Acetone	3.23	43	79500	32.117	ug/l #	85
18) Methyl Acetate	3.65	43	6368	1.565	ug/l #	56
20) Methylene Chloride	3.82	84	29410	2.727	ug/l #	93
31) Cyclohexane	7.05	56	19772	1.853	ug/l #	13
36) 1,1-Dichloropropene	7.05	75	75527	5.439	ug/l #	51
37) Ethyl Acetate	6.16	43	3661	1.804	ug/l #	74
38) Carbon Tetrachloride	7.05	117	100187	4.565	ug/l #	17
56) Ethyl methacrylate	10.93	69	230	3.967	ug/l #	12
71) Bromoform	13.24	173	233	2.858	ug/l #	38
81) trans-1,4-Dichloro-2-buten	13.55	75	213727	111.493	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	2605	3.774	ug/l	84
95) Naphthalene	16.12	128	7777	3.888	ug/l #	86

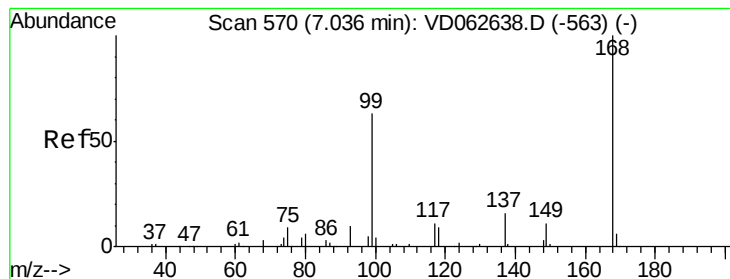
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
Data File : VD062746.D
Acq On : 18 Jun 2019 13:42
Operator : VA/AP
Sample : K3406-01RE
Misc : 5.80µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 19 05:24:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

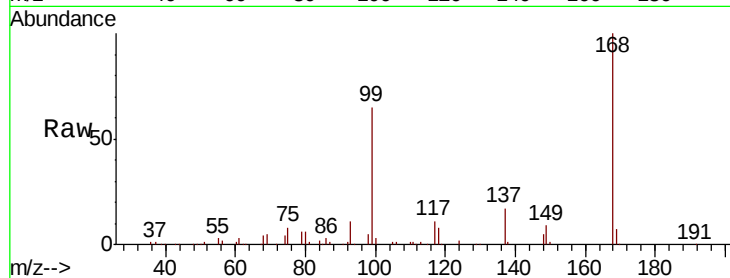
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 936800

Ion Ratio Lower Upper

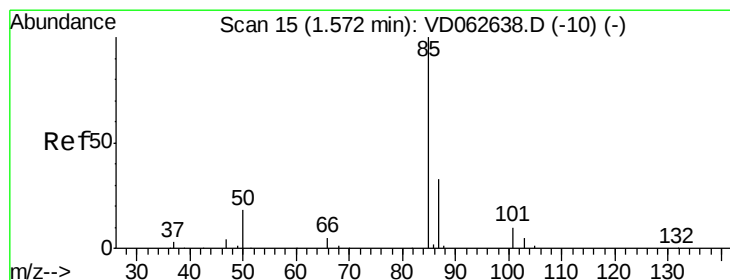
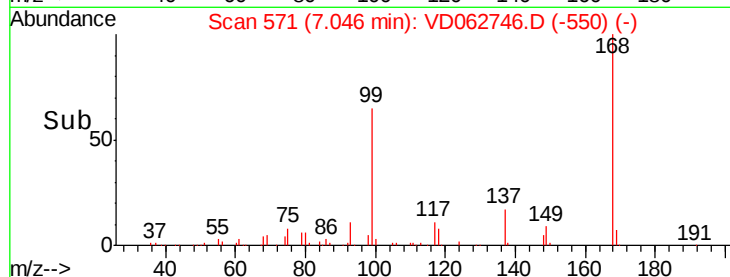
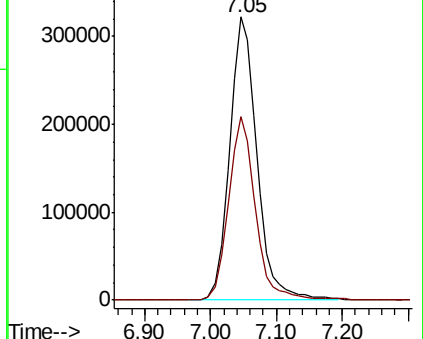
168 100

99 64.9 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: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062746.D

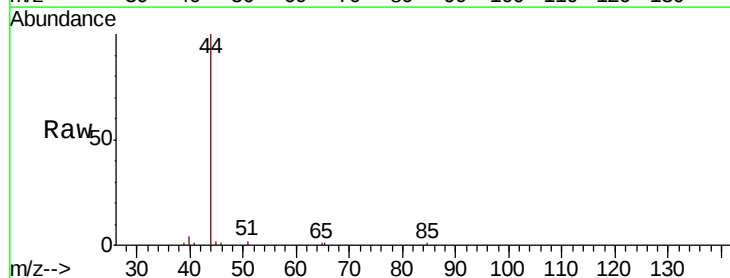
Acq: 18 Jun 2019 13:42

Tgt Ion: 85 Resp: 406

Ion Ratio Lower Upper

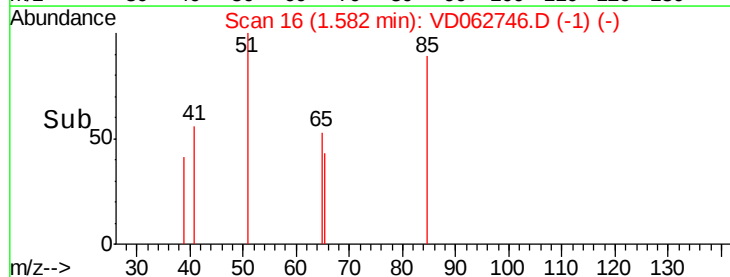
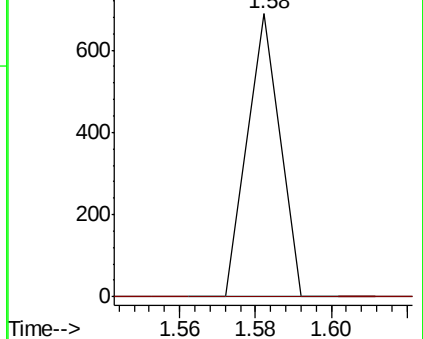
85 100

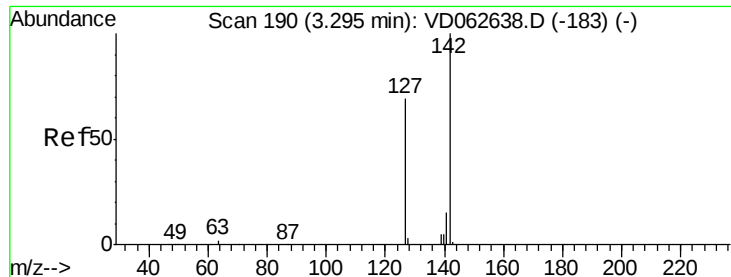
87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

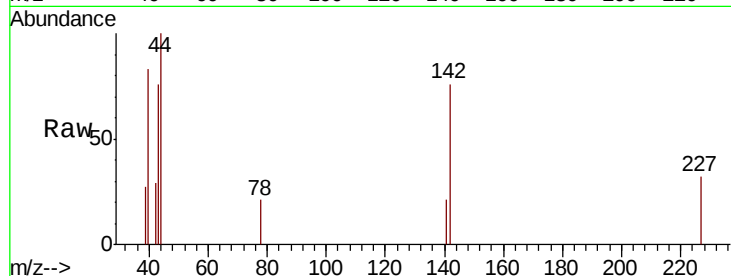




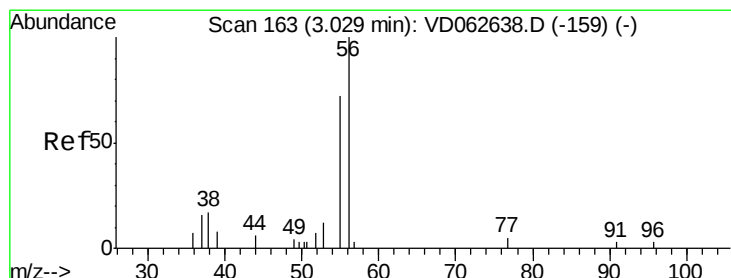
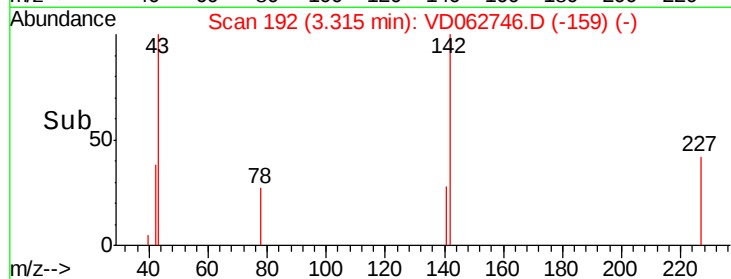
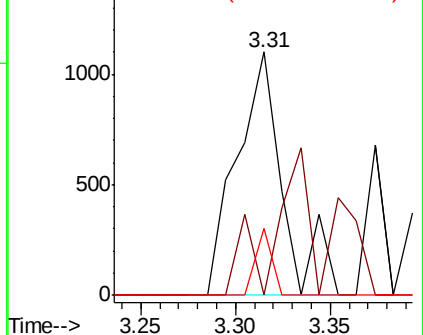
#10
Methyl Iodide
Concen: 4.111 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 1860
Ion Ratio Lower Upper
142 100
127 0.0 55.2 82.8#
141 27.7 12.1 18.1#

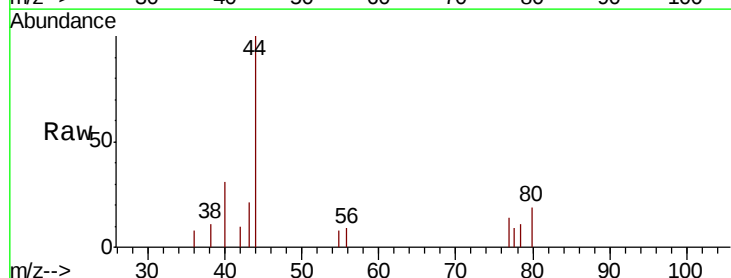


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

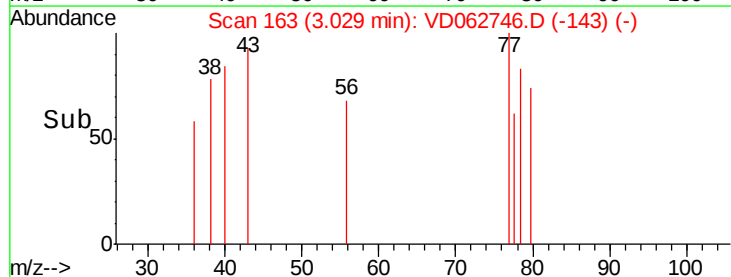
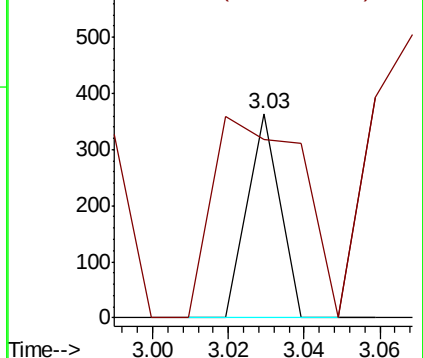


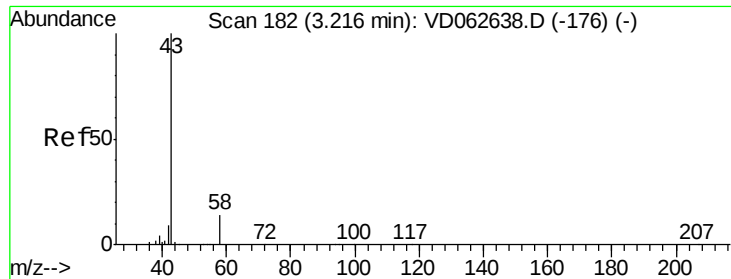
#13
Acrolein
Concen: 1.203 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 87.6 59.4 89.0



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





#16

Acetone

Concen: 32.117 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

Instrument :

MSVOA_D

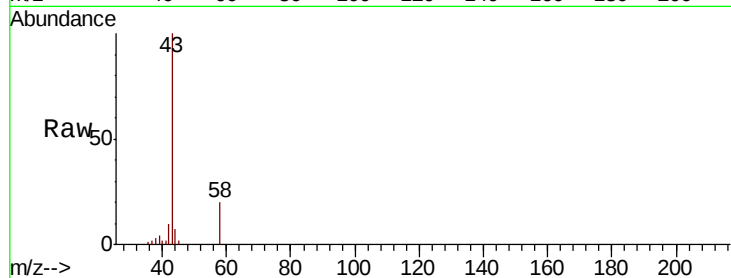
ClientSampleId :

Tot Ion: 43 Resp: 79500

Ion Ratio Lower Upper

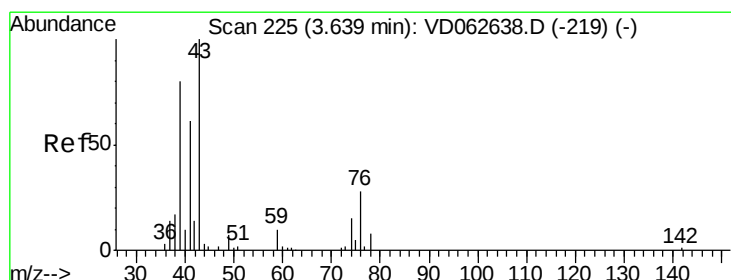
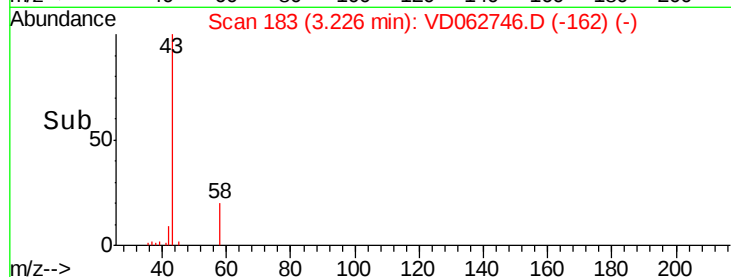
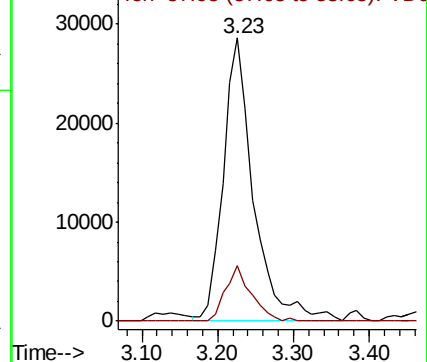
43 100

58 19.7 10.8 16.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.565 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062746.D

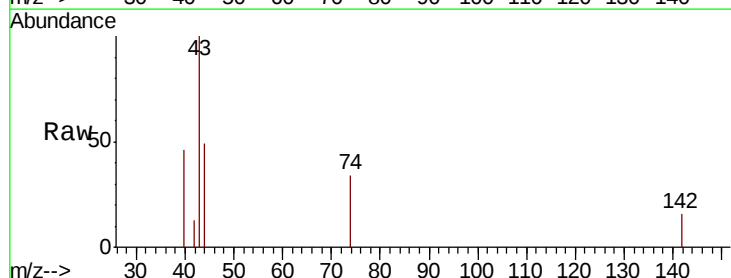
Acq: 18 Jun 2019 13:42

Tgt Ion: 43 Resp: 6368

Ion Ratio Lower Upper

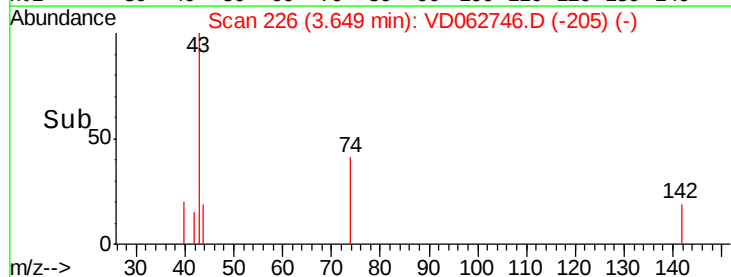
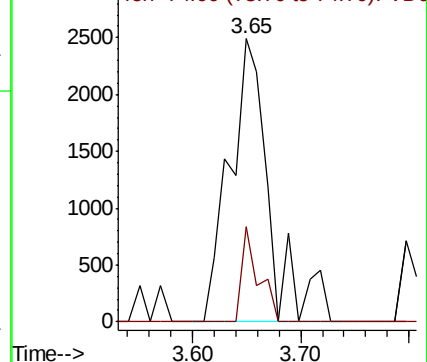
43 100

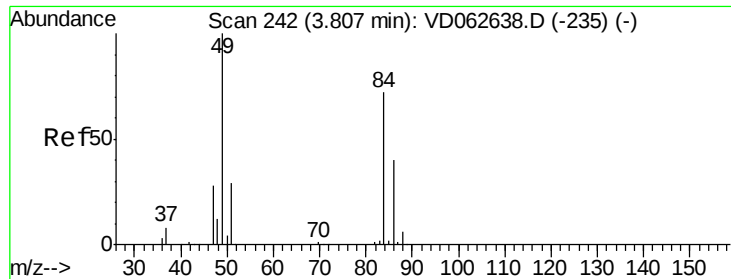
74 33.6 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

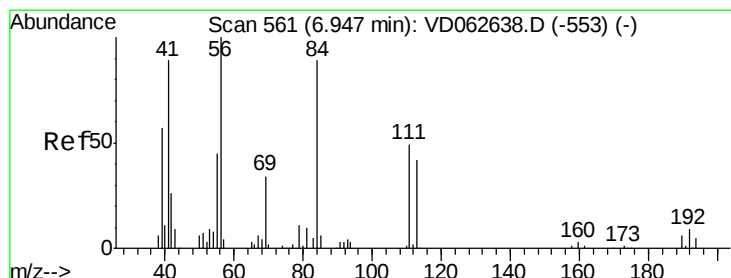
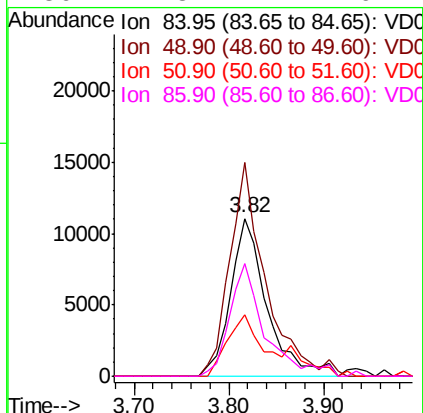
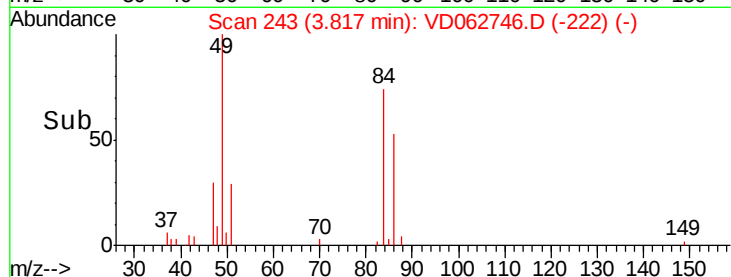
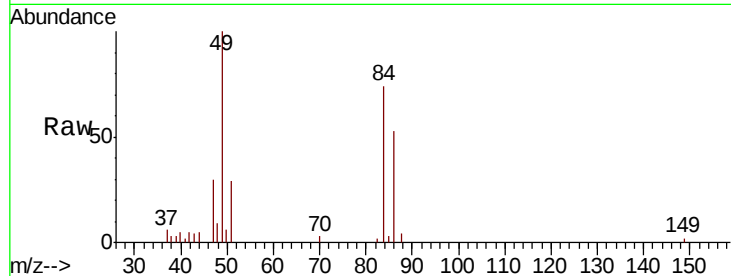




#20
Methvlene Chloride
Concen: 2.727 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

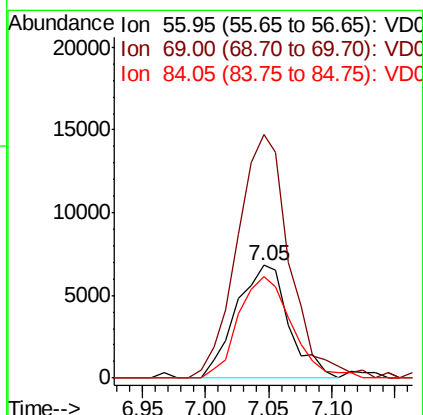
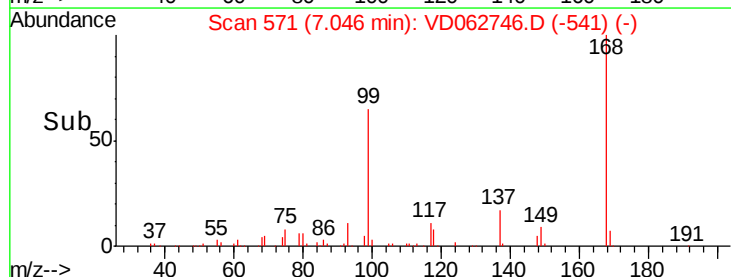
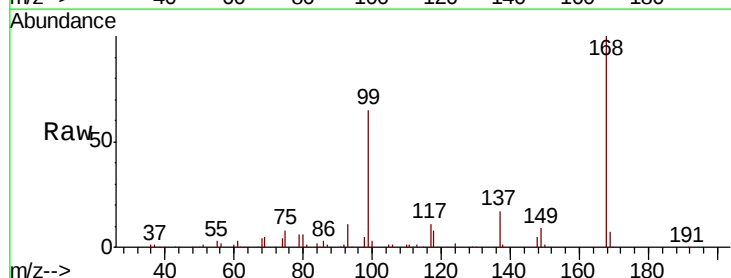
Instrument :
MSVOA_D
ClientSampleId :

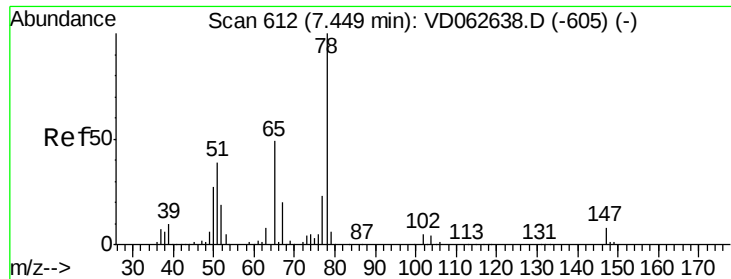
Tot Ion: 84 Resp: 29410
Ion Ratio Lower Upper
84 100
49 135.4 111.2 166.8
51 39.1 31.9 47.9
86 71.8 44.7 67.1#



#31
Cyclohexane
Concen: 1.853 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.10 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Tgt Ion: 56 Resp: 19772
Ion Ratio Lower Upper
56 100
69 216.2 26.8 40.2#
84 90.6 73.9 110.9





#33

1,2-Dichloroethane-d4

Concen: 33.950 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

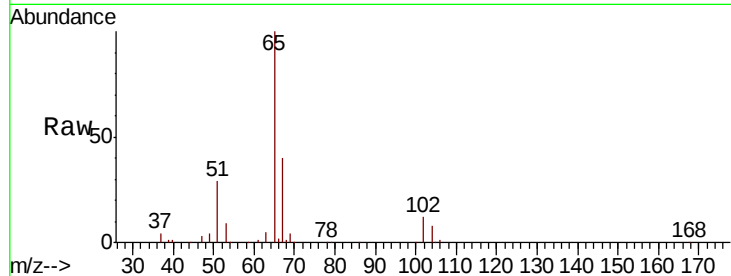
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 458935

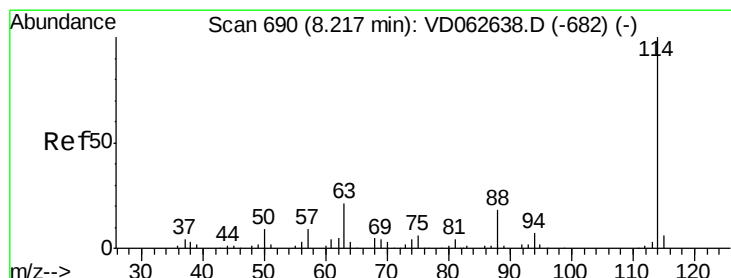
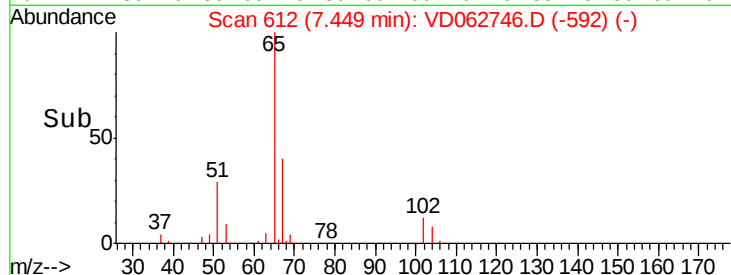
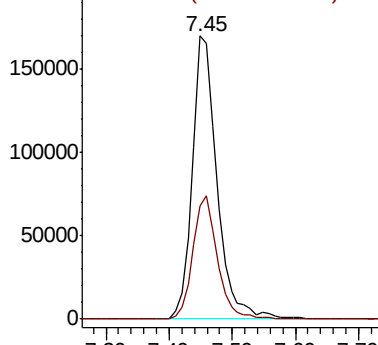
Ion Ratio Lower Upper

65 100

67 39.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

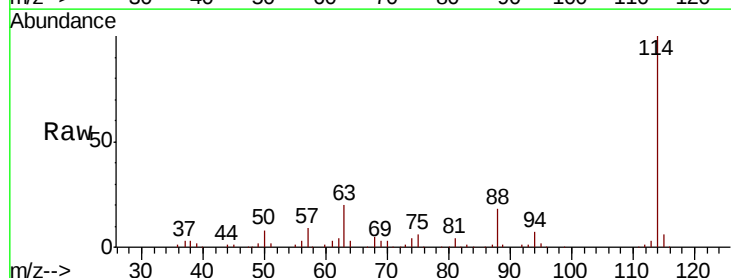
Tgt Ion: 114 Resp: 1213270

Ion Ratio Lower Upper

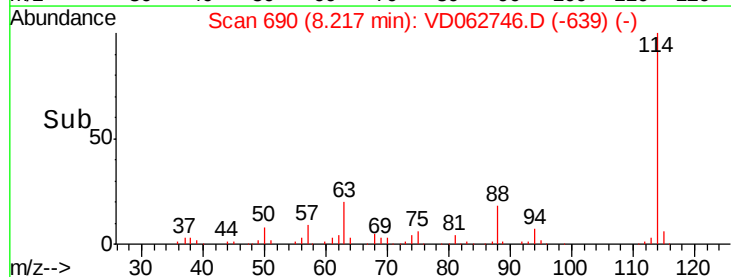
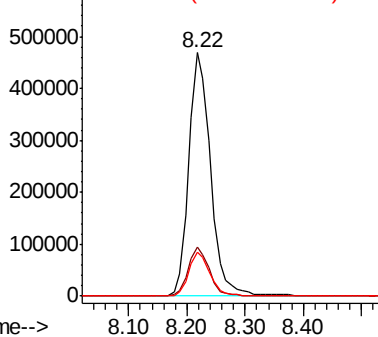
114 100

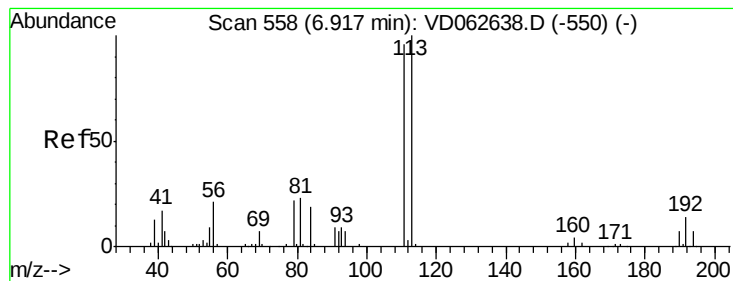
63 20.4 0.0 42.4

88 18.2 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 36.678 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

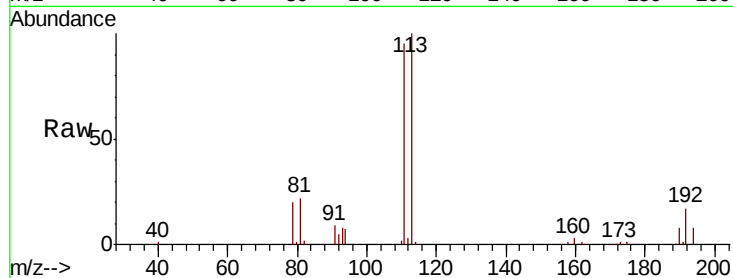
Tot Ion:113 Resp: 469320

Ion Ratio Lower Upper

113 100

111 95.0 76.4 114.6

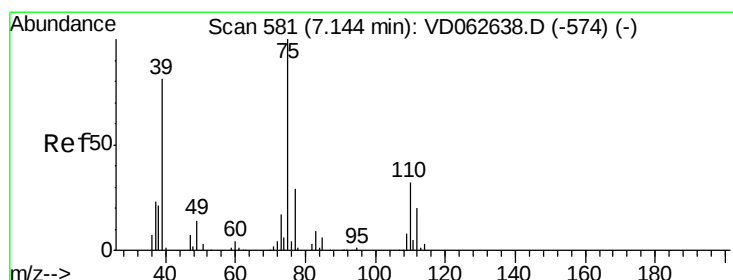
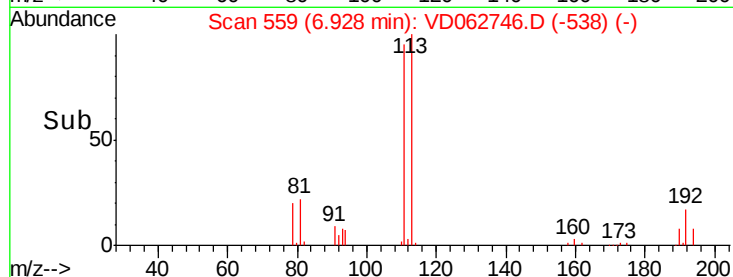
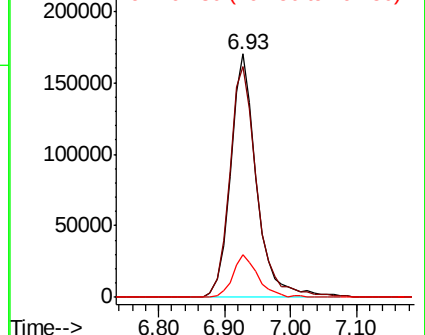
192 17.5 11.4 17.0#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.439 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

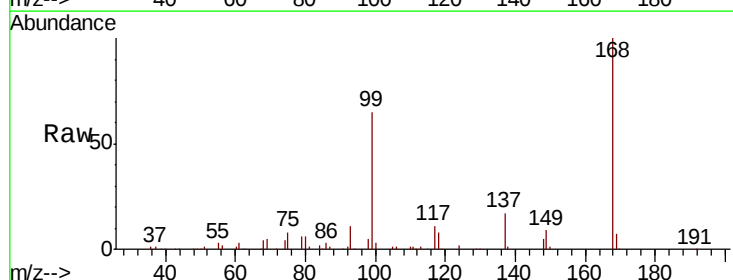
Tgt Ion: 75 Resp: 75527

Ion Ratio Lower Upper

75 100

110 7.7 15.9 47.7#

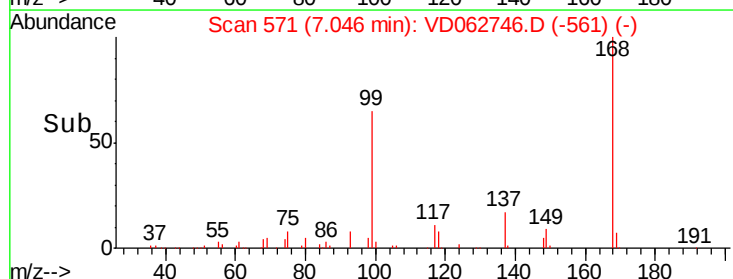
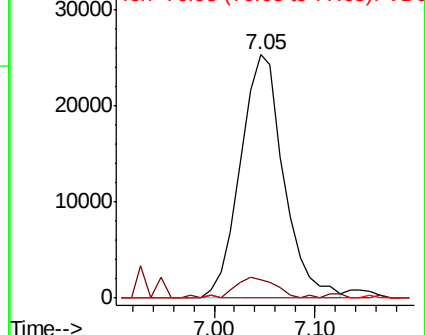
77 0.0 23.3 34.9#

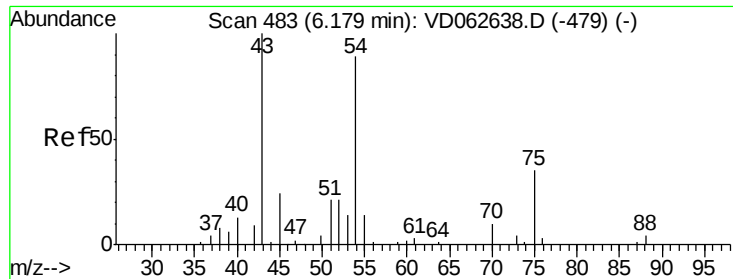


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

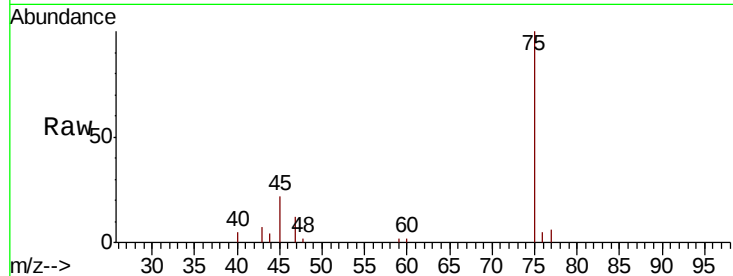




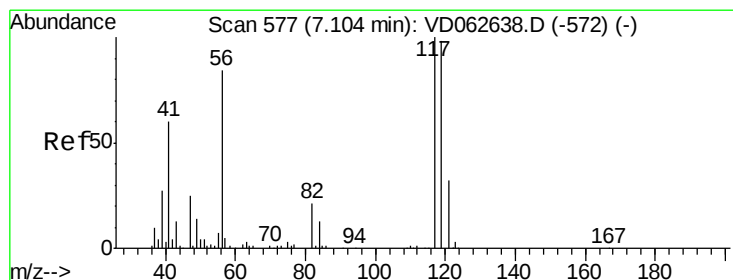
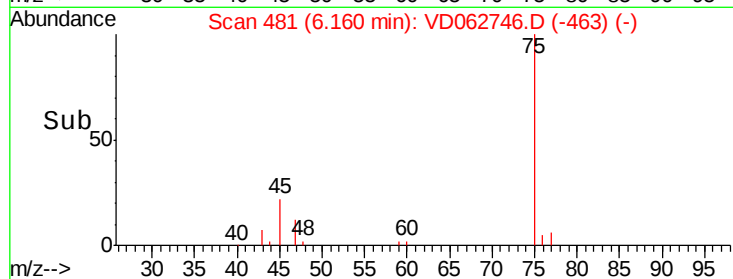
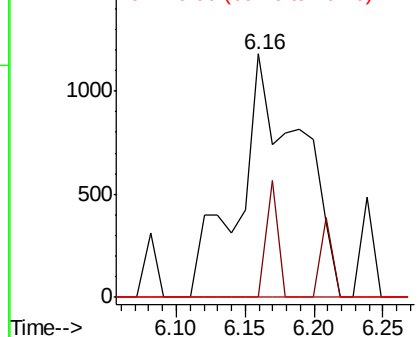
#37
Ethyl Acetate
Concen: 1.804 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.02 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

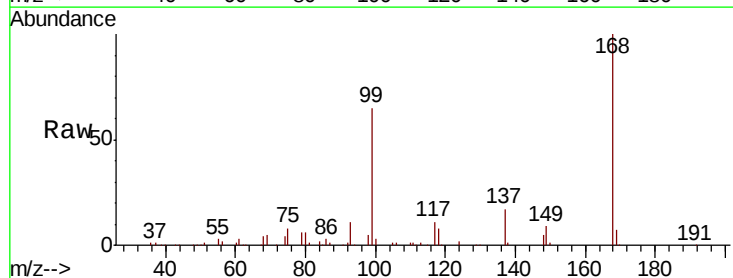


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

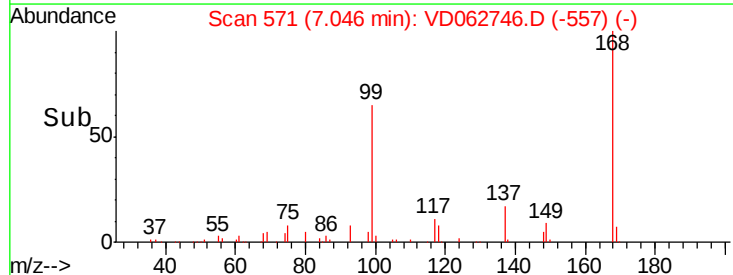
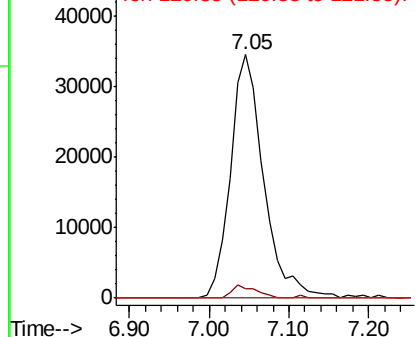


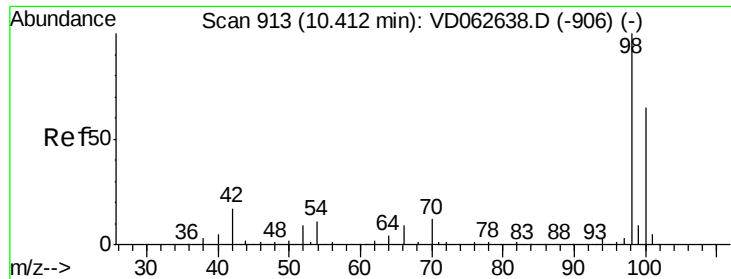
#38
Carbon Tetrachloride
Concen: 4.565 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Tgt Ion: 117 Resp: 100187
Ion Ratio Lower Upper
117 100
119 3.9 73.5 110.3#
121 0.0 24.2 36.4#



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

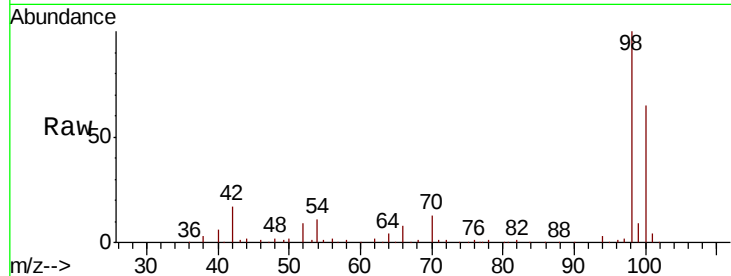




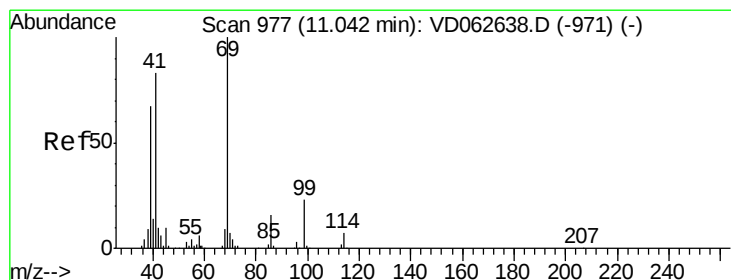
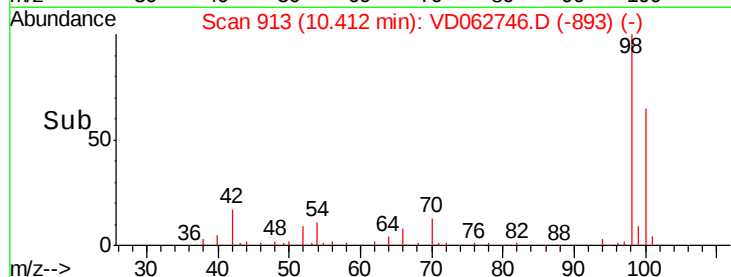
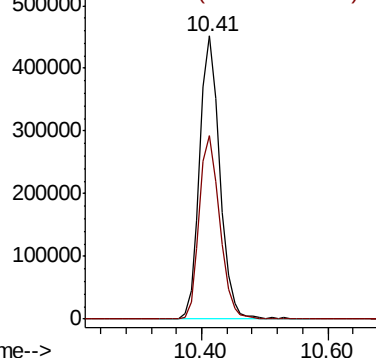
#50
Toluene-d8
Concen: 36.979 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 995367
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1

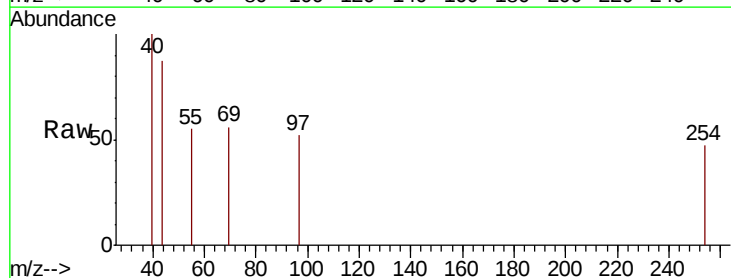


Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

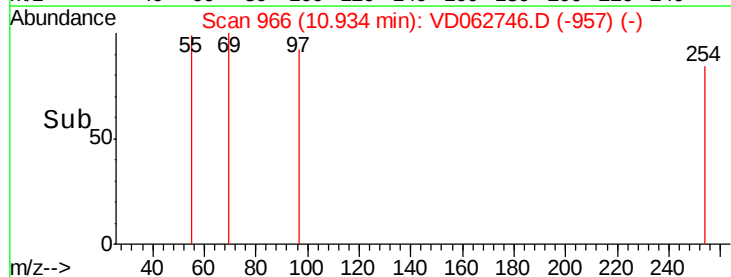
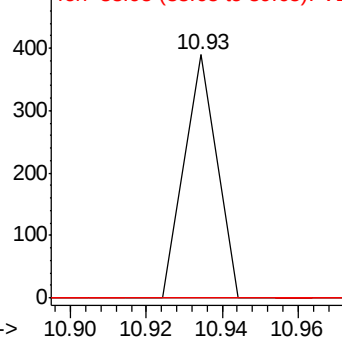


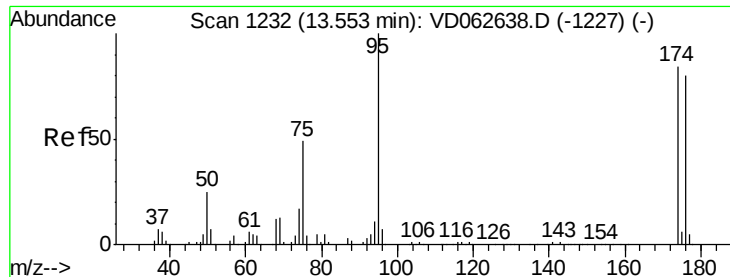
#56
Ethyl methacrylate
Concen: 3.967 ug/l
RT: 10.93 min Scan# 966
Delta R.T. -0.11 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Tgt Ion: 69 Resp: 230
Ion Ratio Lower Upper
69 100
41 0.0 66.2 99.4#
39 0.0 53.8 80.8#



Abundance Ion 69.00 (68.70 to 69.70): VD062746.D (-957) (-)
Ion 41.05 (40.75 to 41.75): VD062746.D (-957) (-)
Ion 38.95 (38.65 to 39.65): VD062746.D (-957) (-)





#62

4-Bromofluorobenzene

Concen: 34.948 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

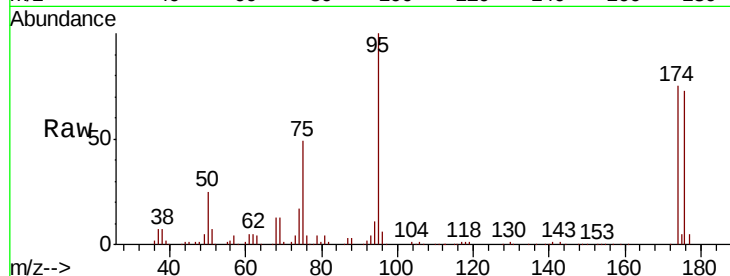
Tot Ion: 95 Resp: 438869

Ion Ratio Lower Upper

95 100

174 75.4 0.0 167.0

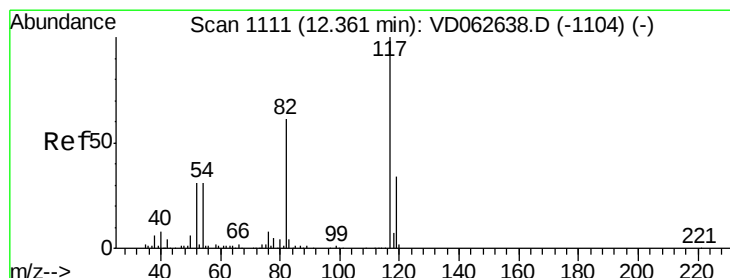
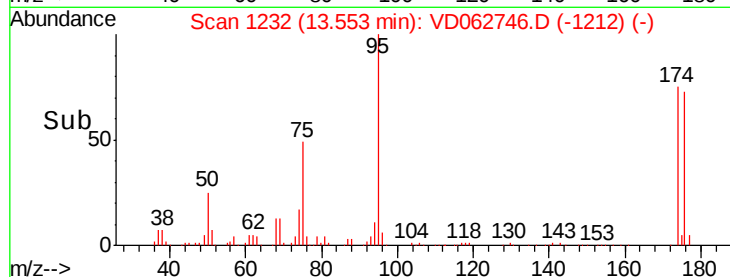
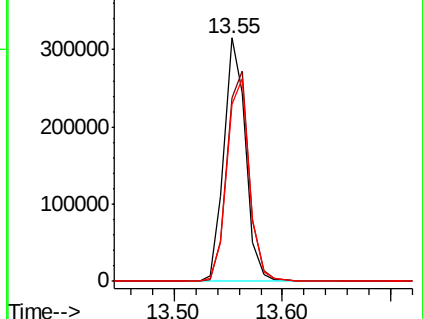
176 72.5 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

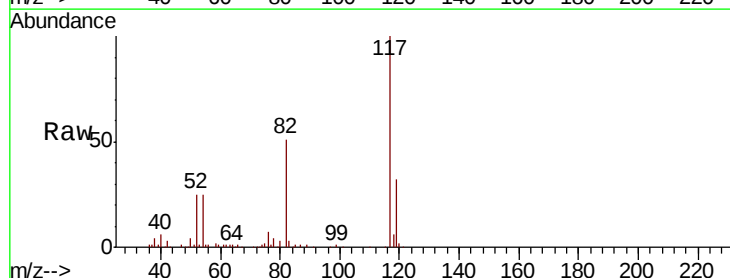
Tgt Ion: 117 Resp: 1024440

Ion Ratio Lower Upper

117 100

82 51.1 48.7 73.1

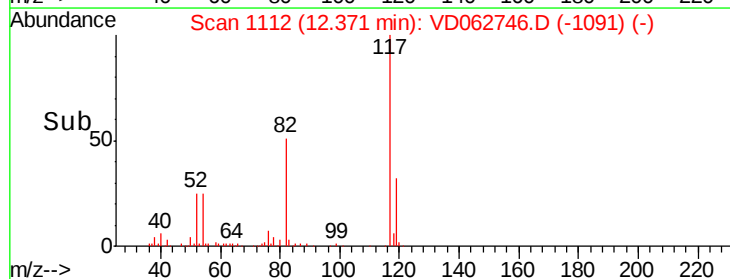
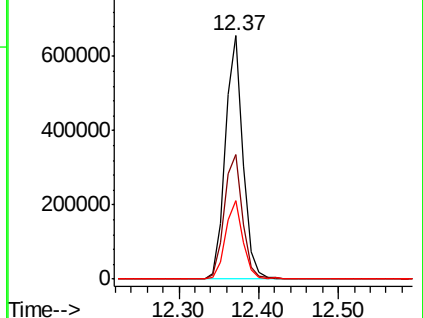
119 32.2 27.0 40.6

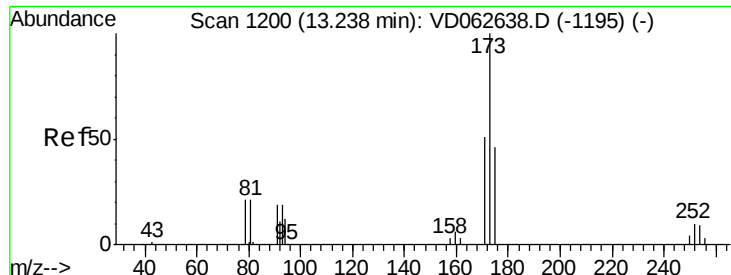


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#71

Bromoform

Concen: 2.858 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampled :

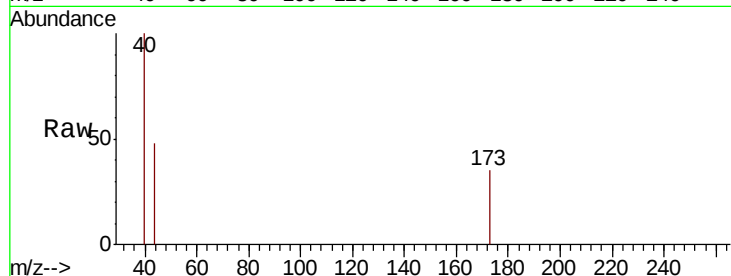
Tot Ion:173 Resp: 233

Ion Ratio Lower Upper

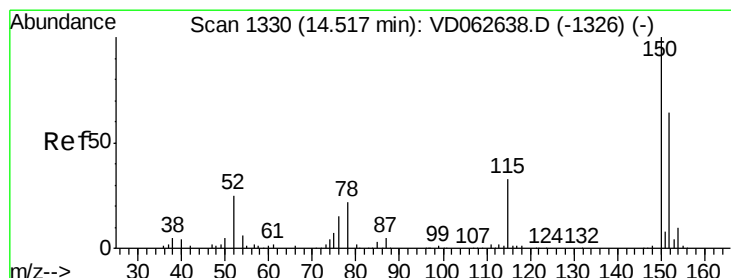
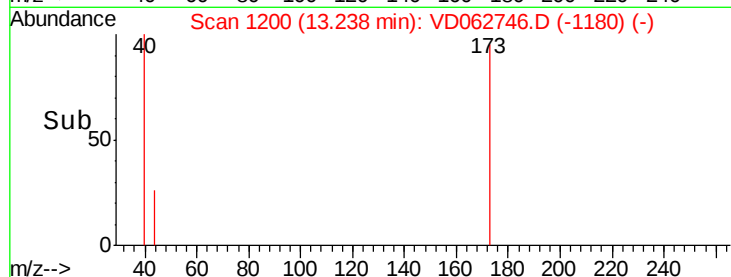
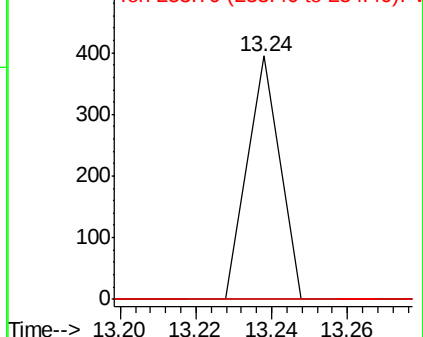
173 100

175 0.0 22.9 68.7#

254 0.0 7.0 10.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

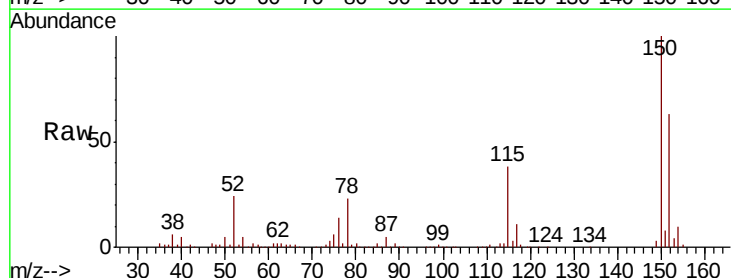
Tgt Ion:152 Resp: 455512

Ion Ratio Lower Upper

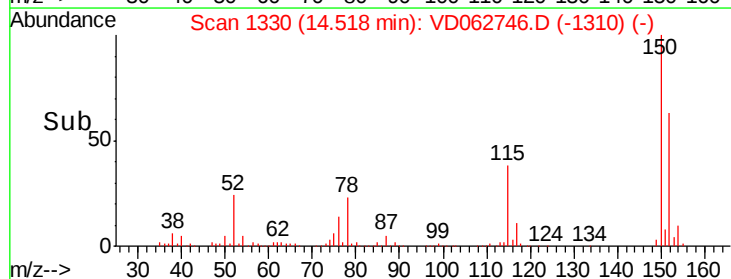
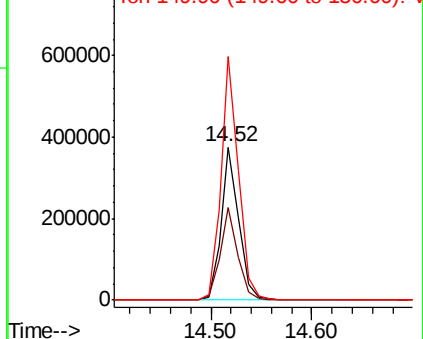
152 100

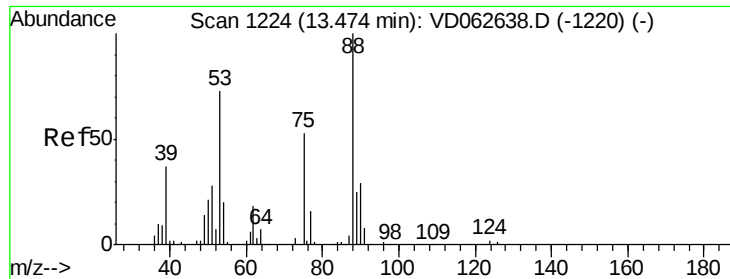
115 60.5 30.1 90.5

150 159.4 0.0 314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.493 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

Instrument :

MSVOA_D

ClientSampleId :

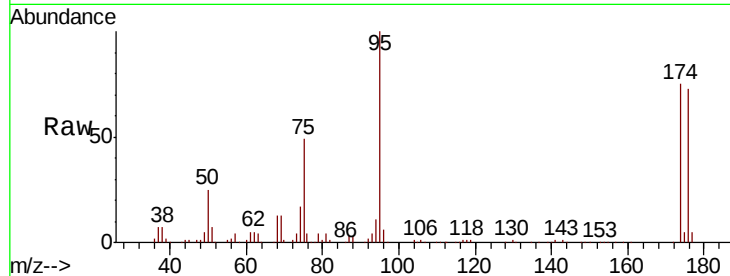
Tot Ion: 75 Resp: 213727

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

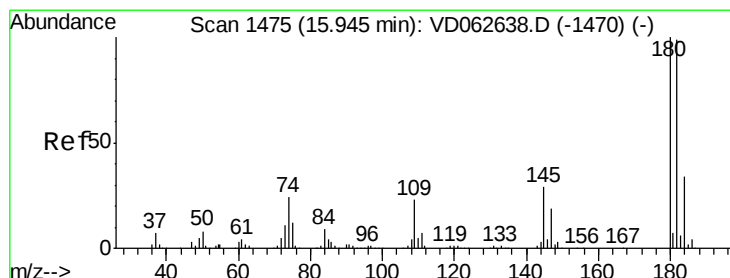
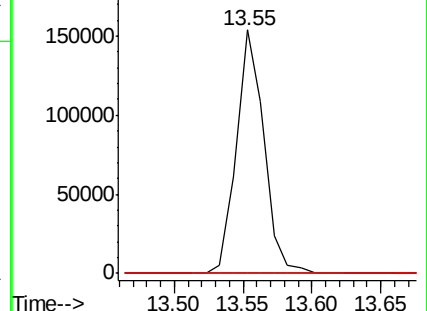
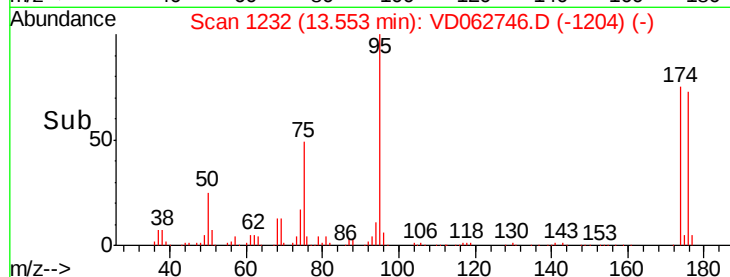
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 3.774 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. 0.00 min

Lab File: VD062746.D

Acq: 18 Jun 2019 13:42

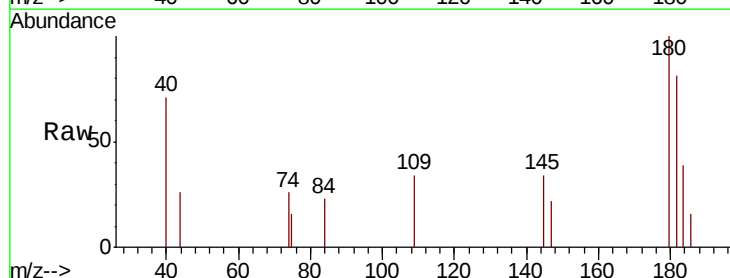
Tgt Ion:180 Resp: 2605

Ion Ratio Lower Upper

180 100

182 81.1 49.4 148.2

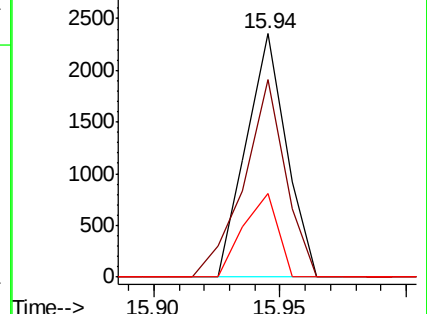
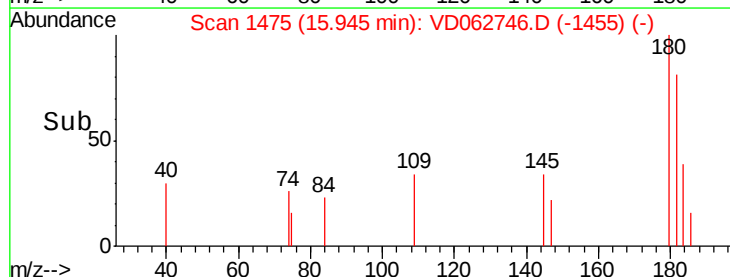
145 34.3 14.5 43.6

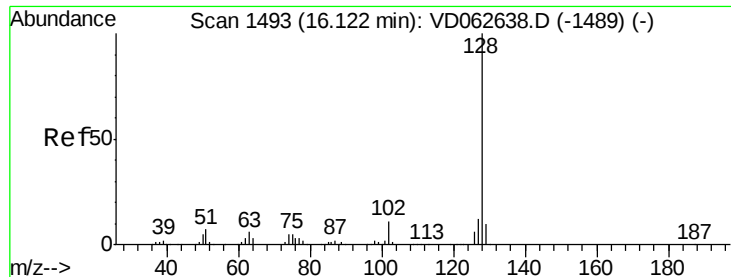


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 3.888 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062746.D
Acq: 18 Jun 2019 13:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	10.6	9.7	14.5
129	0.0	8.1	12.1

