

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062687.D
 Acq On : 13 Jun 2019 11:52
 Operator : VA/AP
 Sample : VD0613SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 14 06:44:20 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	686994	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	909429	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	722570	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	400995	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	528595	53.32	ug/l	0.01
Spiked Amount 50.000			Recovery	=	106.64%	
35) Dibromofluoromethane	6.93	113	529758	55.23	ug/l	0.01
Spiked Amount 50.000			Recovery	=	110.46%	
50) Toluene-d8	10.42	98	1208427	59.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.78%	
62) 4-Bromofluorobenzene	13.56	95	541930	57.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.14%	

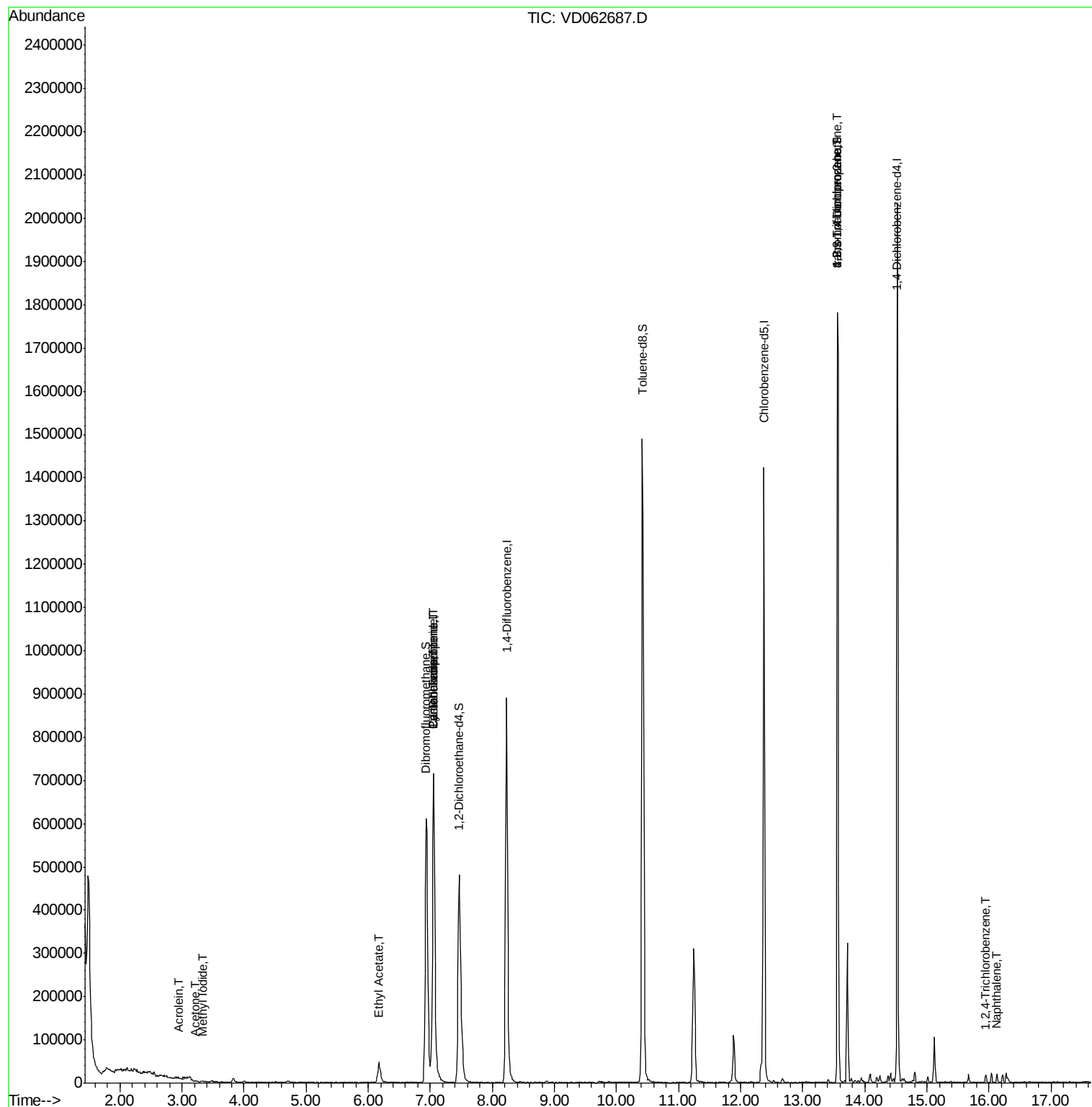
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	520	Below Cal	#	42
10) Methyl Iodide	3.34	142	3841	4.296	ug/l #	82
13) Acrolein	2.95	56	181	1.381	ug/l #	12
16) Acetone	3.22	43	8566	4.719	ug/l	95
31) Cyclohexane	7.06	56	17112	2.187	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	58414	5.612	ug/l #	49
37) Ethyl Acetate	6.17	43	4470	2.184	ug/l #	1
38) Carbon Tetrachloride	7.05	117	72755	4.422	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	217197	39.947	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	253665	148.961	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	5883	4.098	ug/l	89
95) Naphthalene	16.13	128	9765	4.074	ug/l #	85

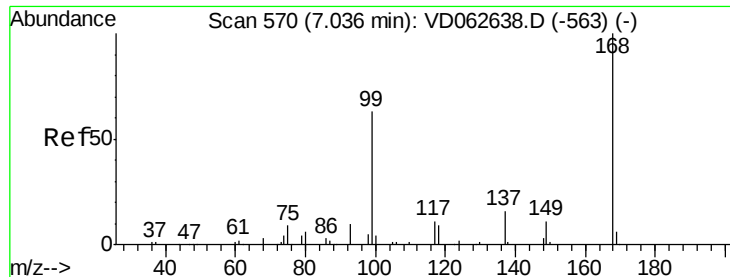
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061319\
Data File : VD062687.D
Acq On : 13 Jun 2019 11:52
Operator : VA/AP
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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MSVOA_D
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Quant Time: Jun 14 06:44:20 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: VD062687.D

Acq: 13 Jun 2019 11:52

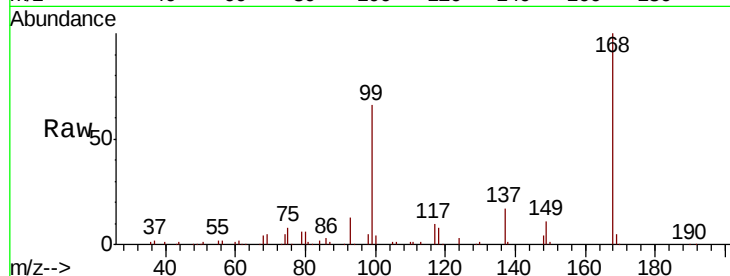
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 686994

Ion Ratio Lower Upper

168 100

99 66.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

250000

200000

150000

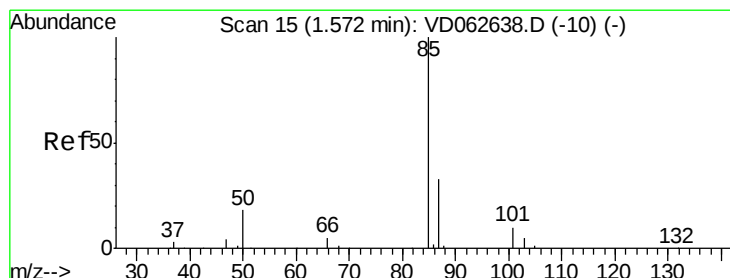
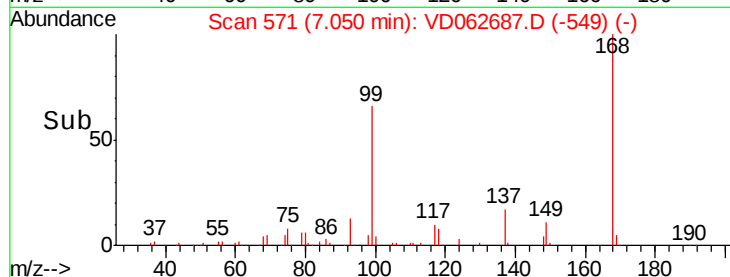
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062687.D

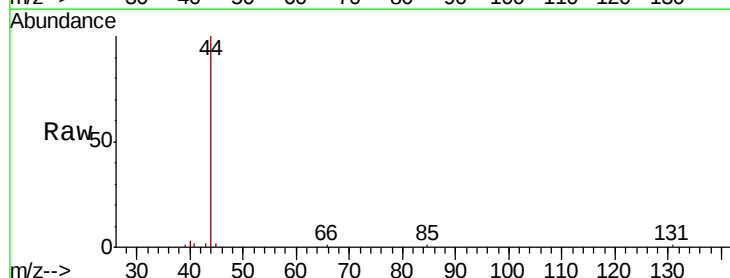
Acq: 13 Jun 2019 11:52

Tgt Ion: 85 Resp: 520

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.58

500

400

300

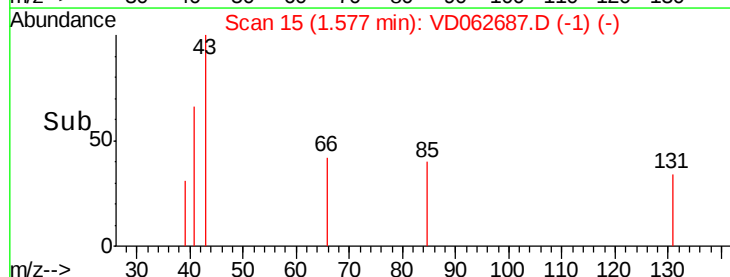
200

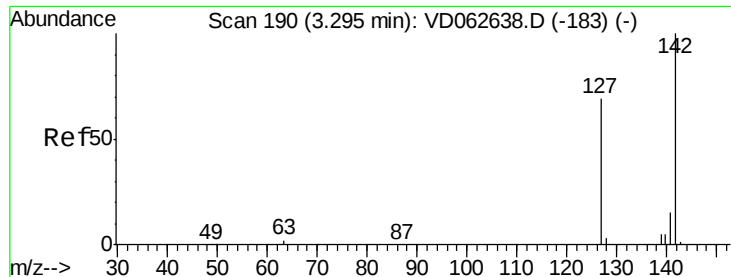
100

0

Time-->

1.54 1.56 1.58 1.60 1.62

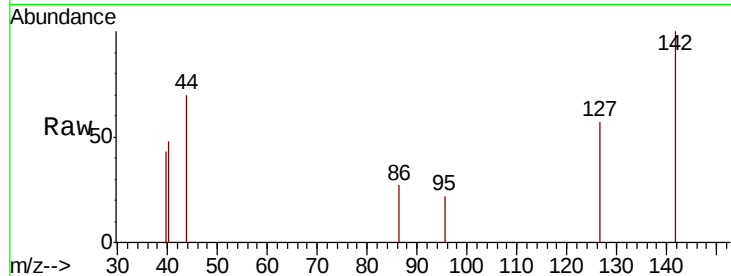




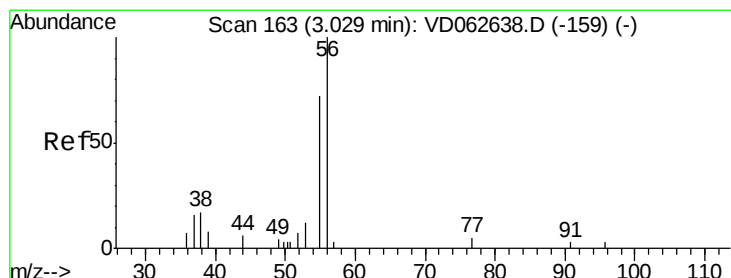
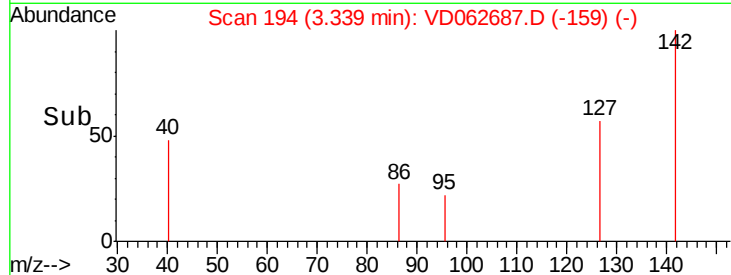
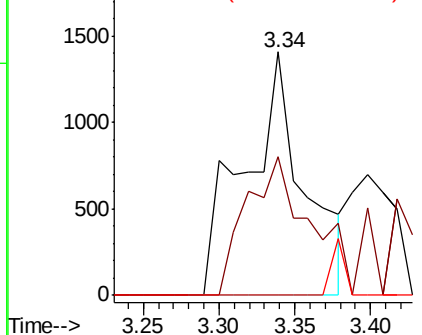
#10
Methvl Iodide
Concen: 4.296 ug/l
RT: 3.34 min Scan# 194
Delta R.T. 0.05 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:142 Resp: 3841
Ion Ratio Lower Upper
142 100
127 57.2 55.2 82.8
141 0.0 12.1 18.1#

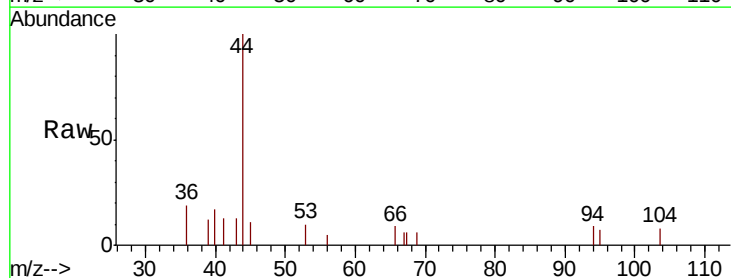


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

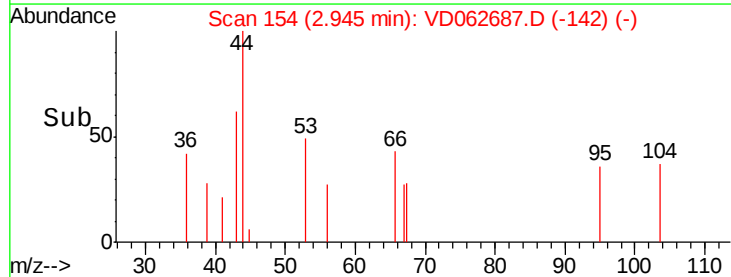
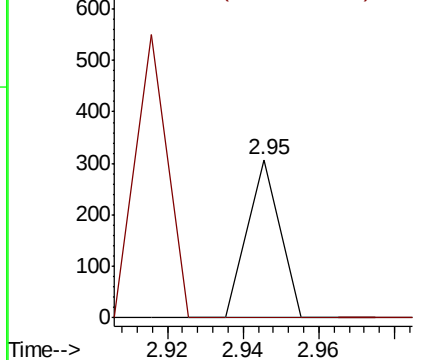


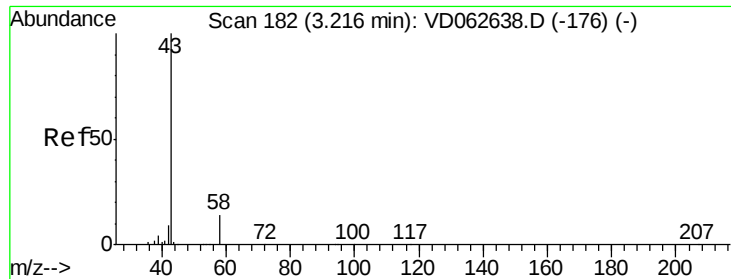
#13
Acrolein
Concen: 1.381 ug/l
RT: 2.95 min Scan# 154
Delta R.T. -0.08 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 0.0 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: 4.719 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

Instrument :

MSVOA_D

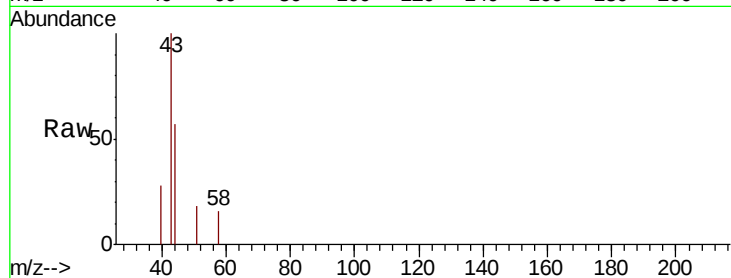
ClientSampleId :

Tot Ion: 43 Resp: 8566

Ion Ratio Lower Upper

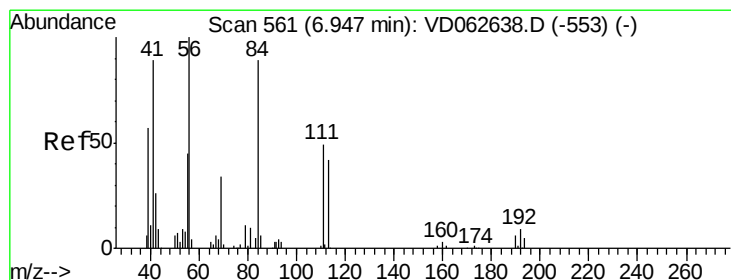
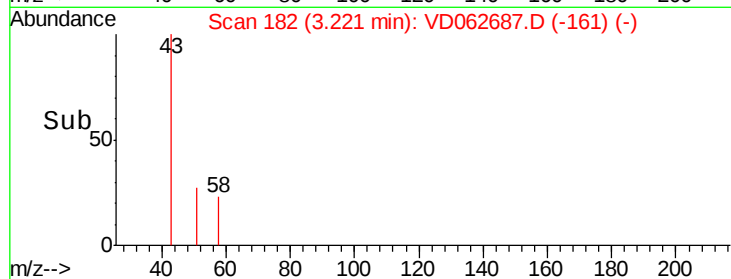
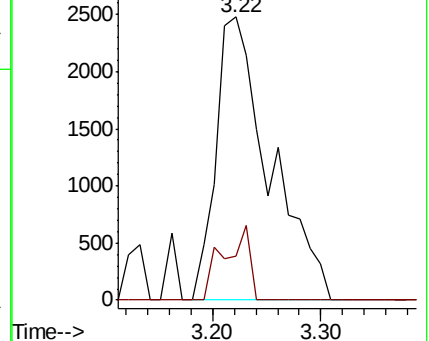
43 100

58 15.6 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.187 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.11 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

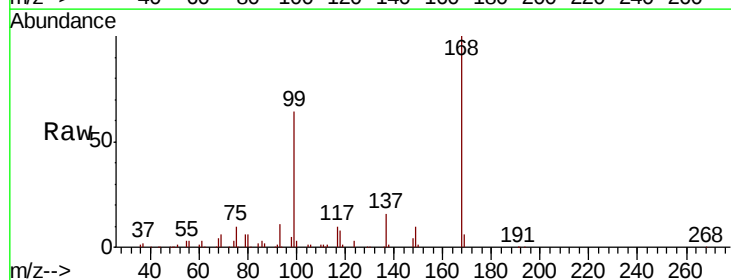
Tgt Ion: 56 Resp: 17112

Ion Ratio Lower Upper

56 100

69 219.9 26.8 40.2#

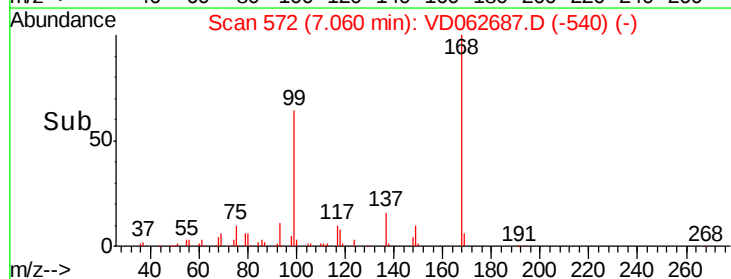
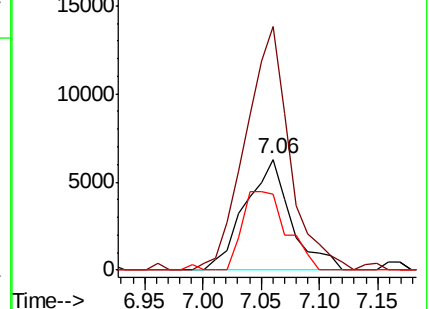
84 68.6 73.9 110.9#

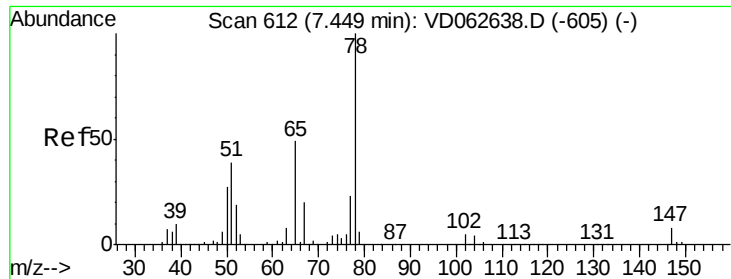


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.322 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

Instrument :

MSVOA_D

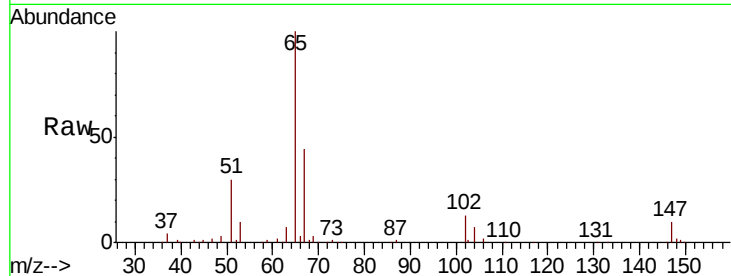
ClientSampleId :

Tot Ion: 65 Resp: 528595

Ion Ratio Lower Upper

65 100

67 43.6 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

150000

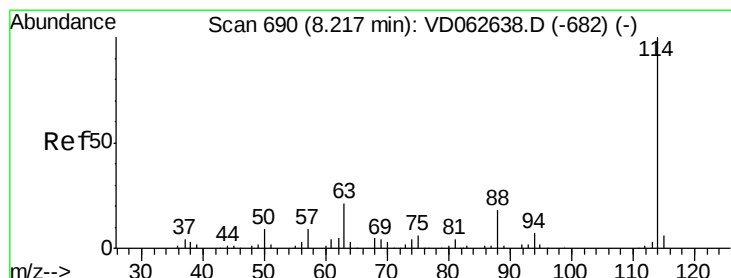
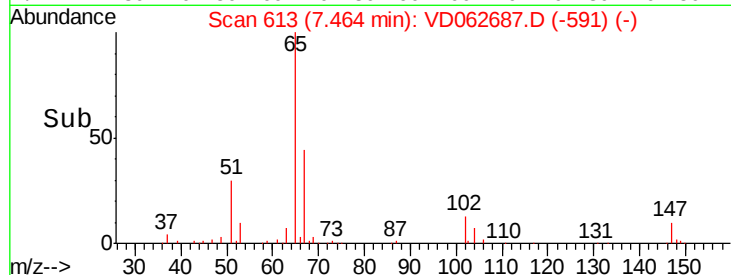
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

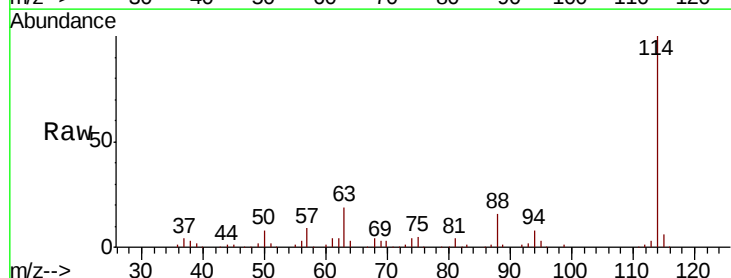
Tgt Ion: 114 Resp: 909429

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 16.3 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

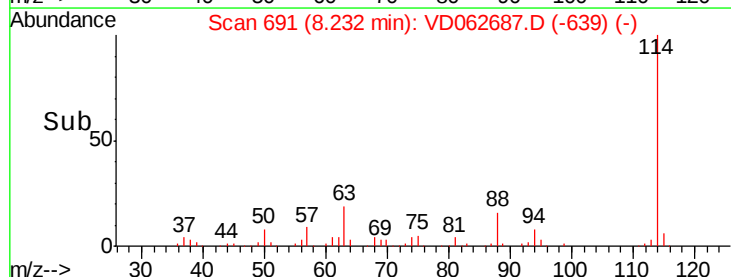
200000

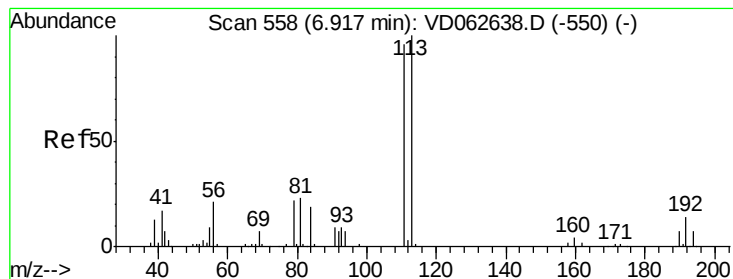
100000

0

Time-->

8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 55.234 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

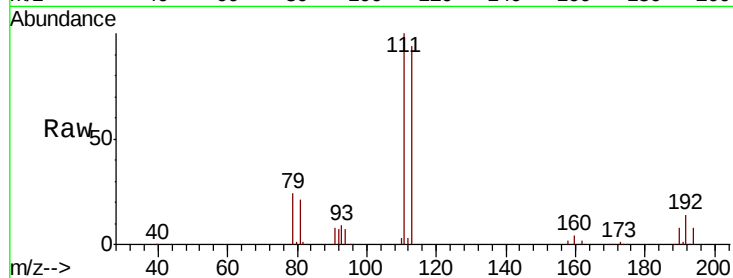
Tot Ion:113 Resp: 529758

Ion Ratio Lower Upper

113 100

111 106.6 76.4 114.6

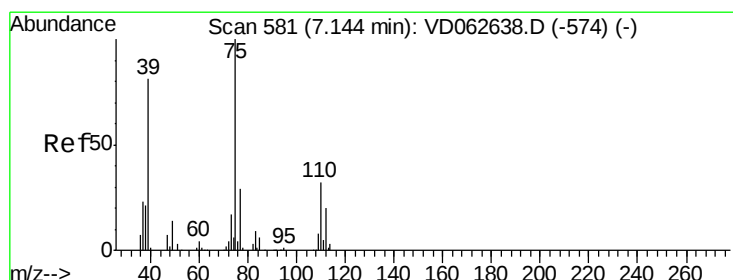
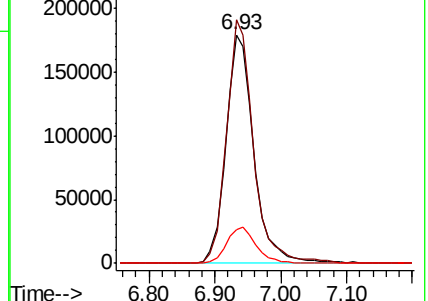
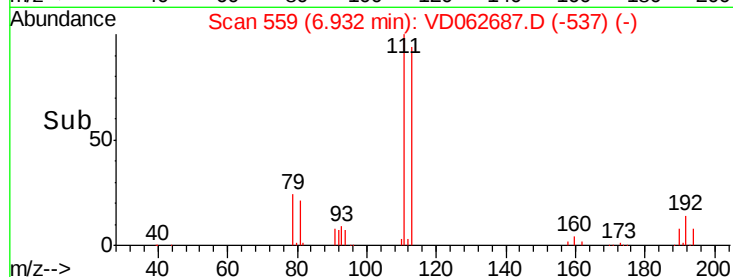
192 15.0 11.4 17.0



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: 5.612 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

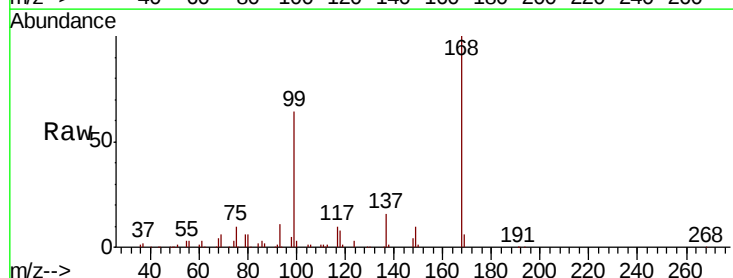
Tgt Ion: 75 Resp: 58414

Ion Ratio Lower Upper

75 100

110 5.2 15.9 47.7#

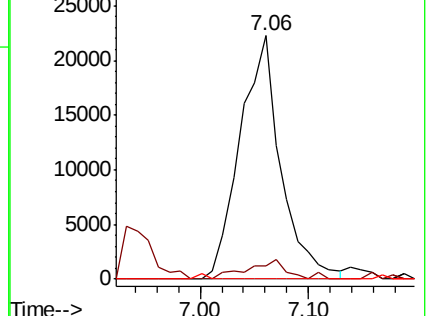
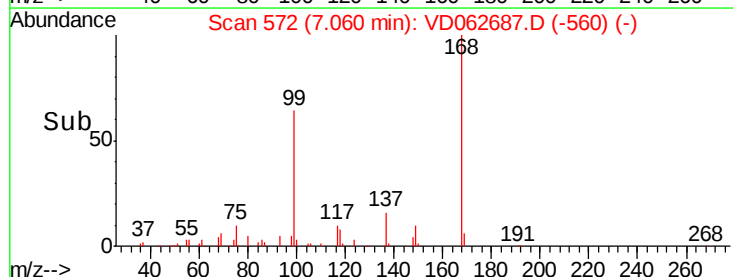
77 0.0 23.3 34.9#

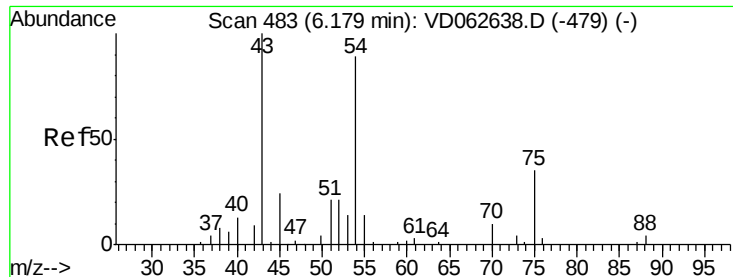


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

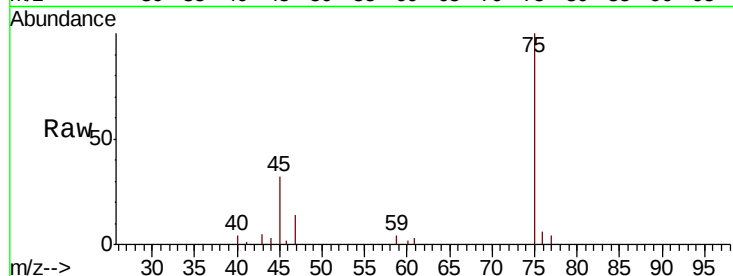




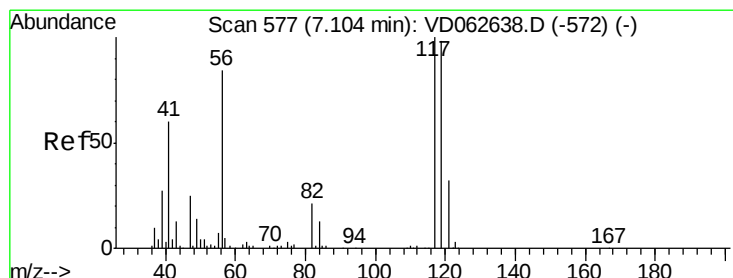
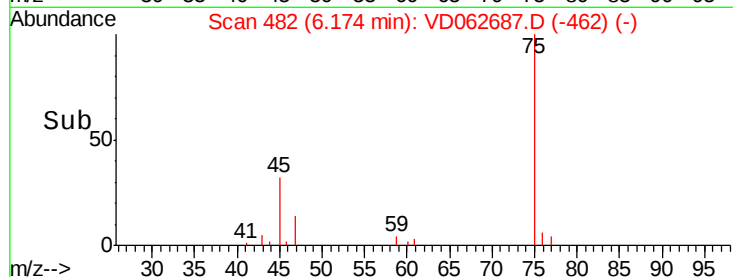
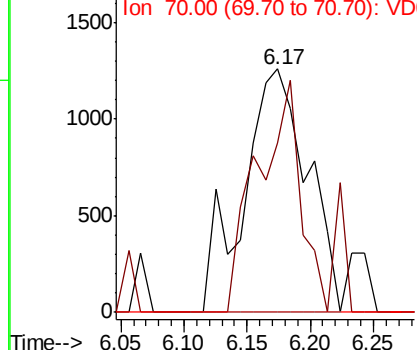
#37
Ethyl Acetate
Concen: 2.184 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 4470
Ion Ratio Lower Upper
43 100
61 69.8 8.7 13.1#
70 0.0 6.5 9.7#

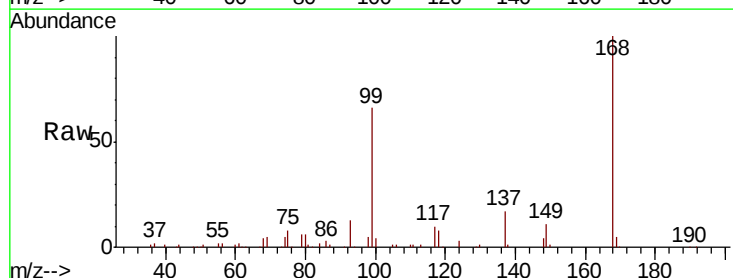


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

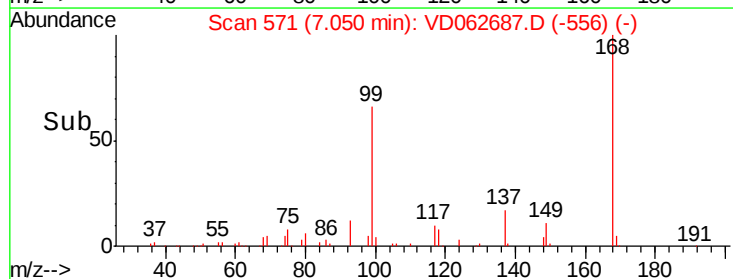
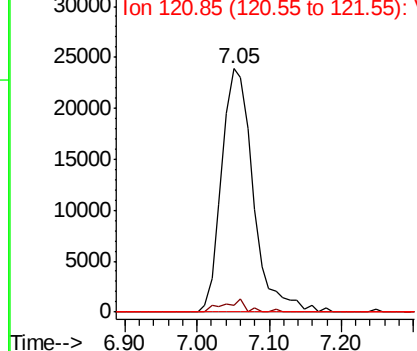


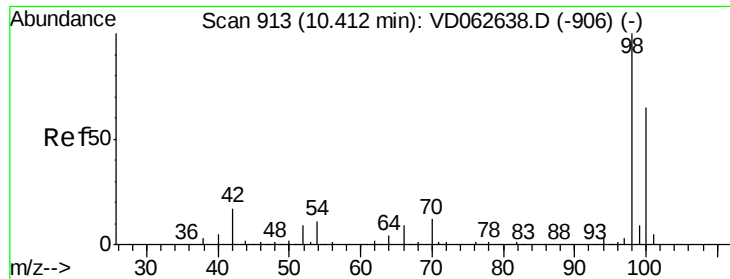
#38
Carbon Tetrachloride
Concen: 4.422 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Tgt Ion: 117 Resp: 72755
Ion Ratio Lower Upper
117 100
119 2.8 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

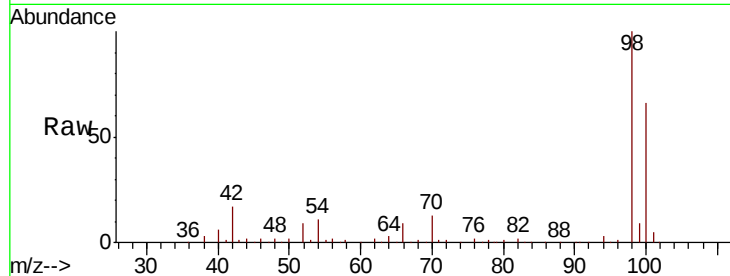




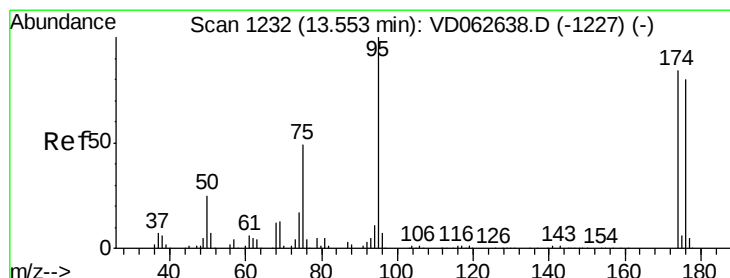
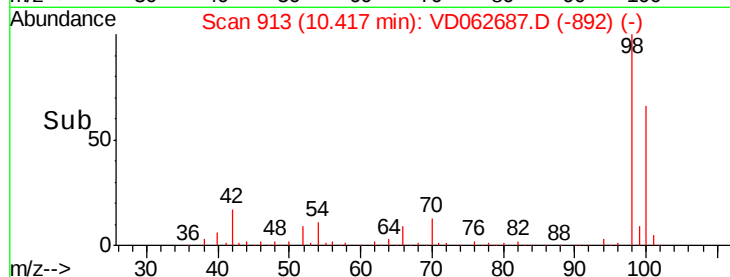
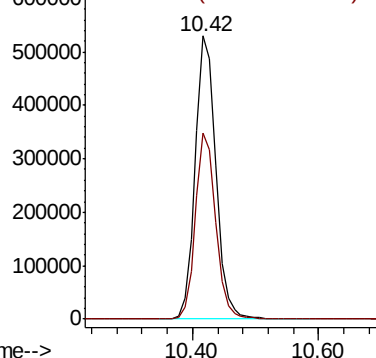
#50
Toluene-d8
Concen: 59.893 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1208427
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

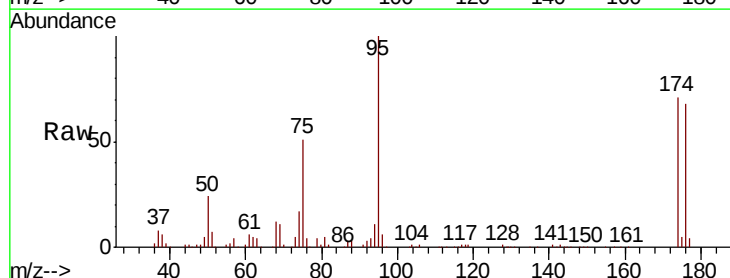


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

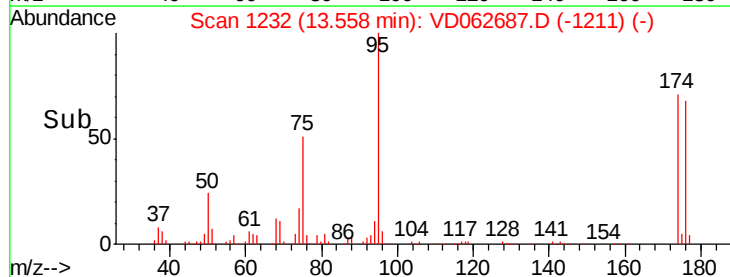
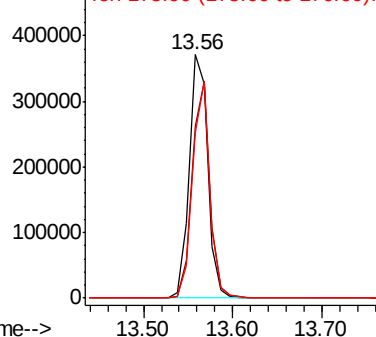


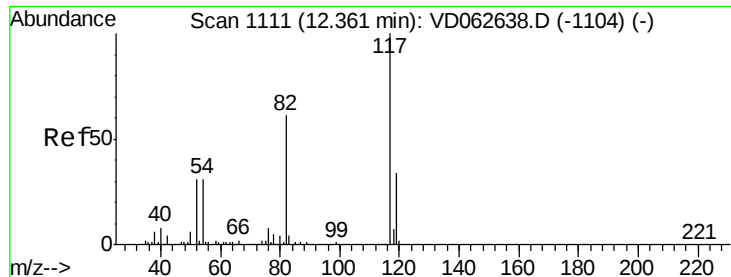
#62
4-Bromofluorobenzene
Concen: 57.573 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Tgt Ion: 95 Resp: 541930
Ion Ratio Lower Upper
95 100
174 70.6 0.0 167.0
176 67.9 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

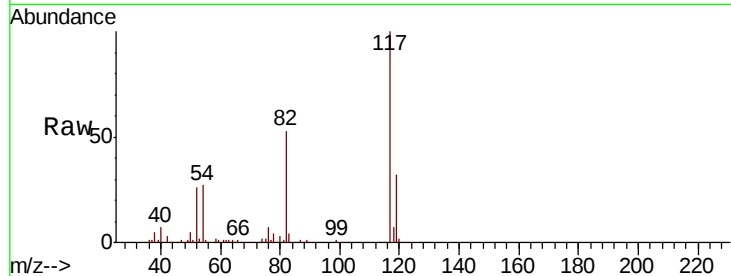




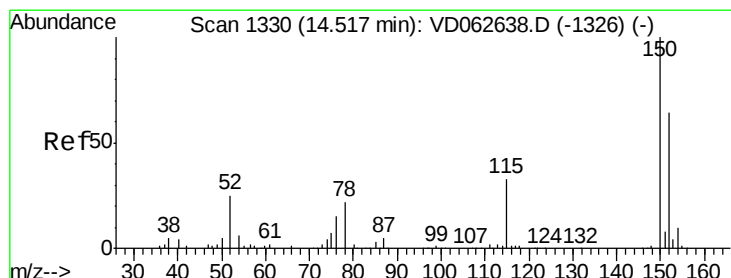
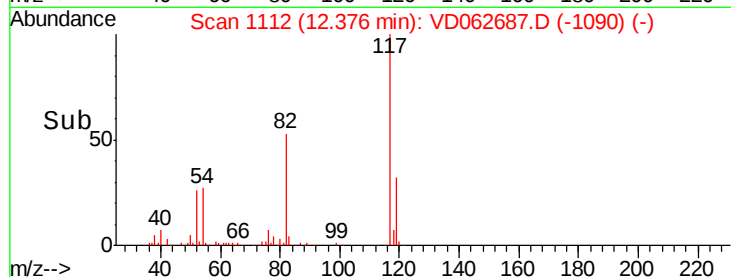
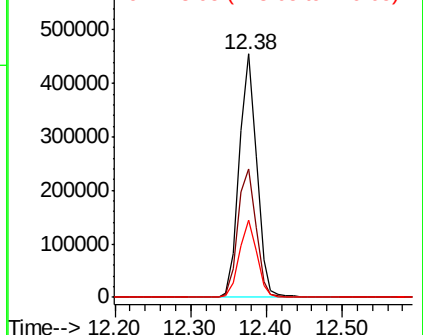
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 722570
Ion Ratio Lower Upper
117 100
82 53.0 48.7 73.1
119 31.7 27.0 40.6

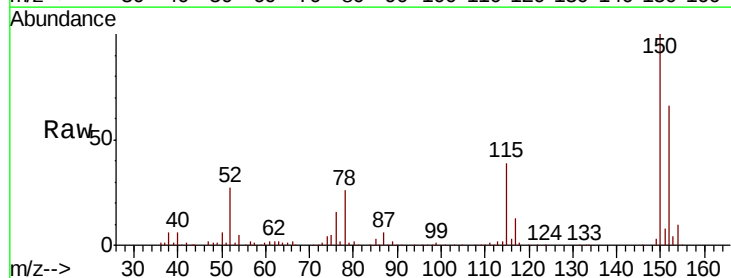


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

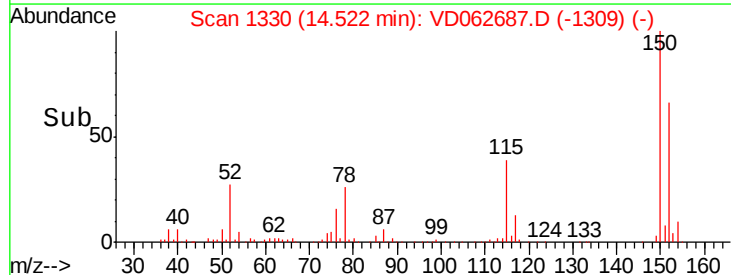
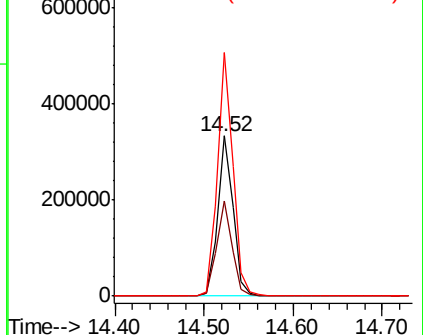


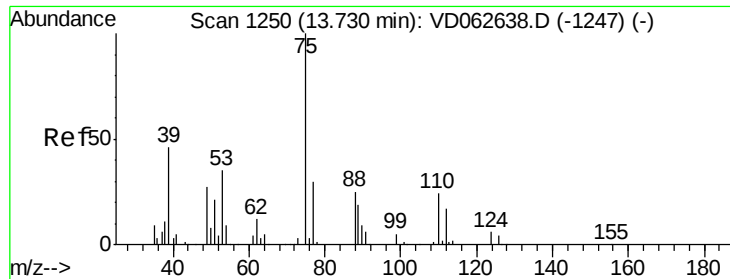
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD062687.D
Acq: 13 Jun 2019 11:52

Tgt Ion:152 Resp: 400995
Ion Ratio Lower Upper
152 100
115 59.4 30.1 90.5
150 151.9 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





#76

1,2,3-Trichloropropane

Concen: 39.947 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

Instrument :

MSVOA_D

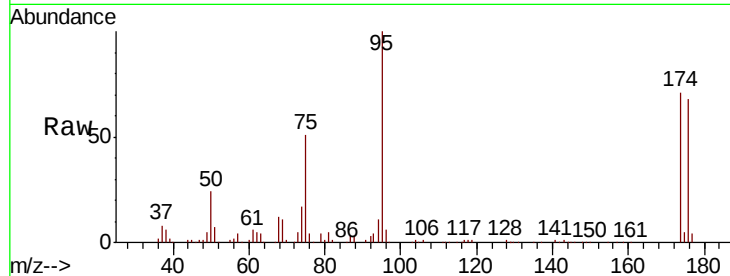
ClientSampleId :

Tot Ion: 75 Resp: 217197

Ion Ratio Lower Upper

75 100

77 0.9 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

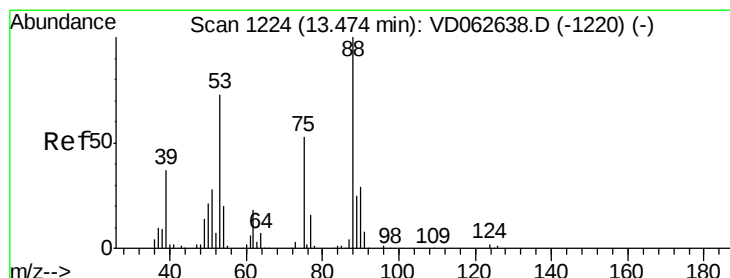
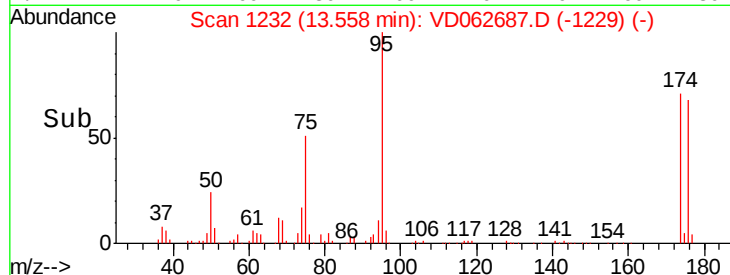
100000

50000

0

13.55 13.56 13.60 13.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 148.961 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062687.D

Acq: 13 Jun 2019 11:52

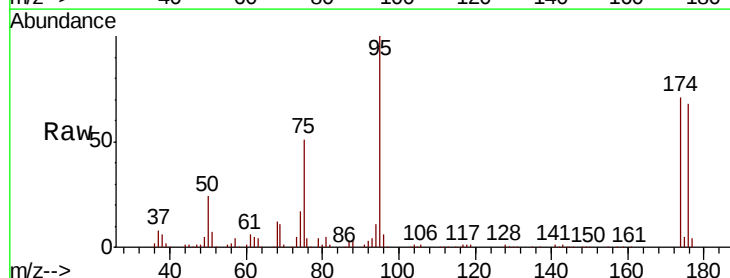
Tgt Ion: 75 Resp: 253665

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

250000

200000

150000

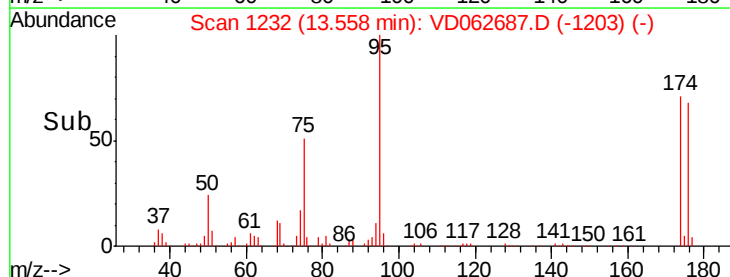
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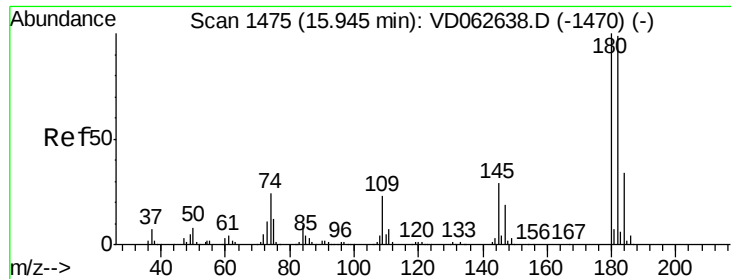
50000

0

13.55 13.56 13.60 13.65

Time-->

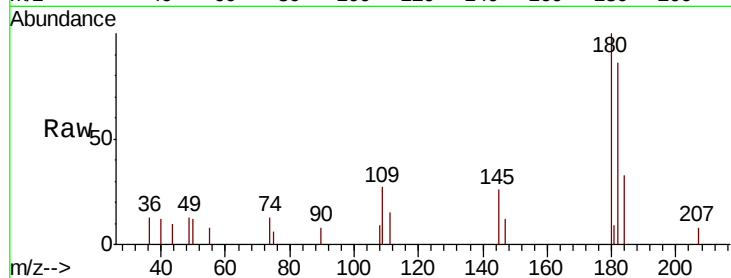




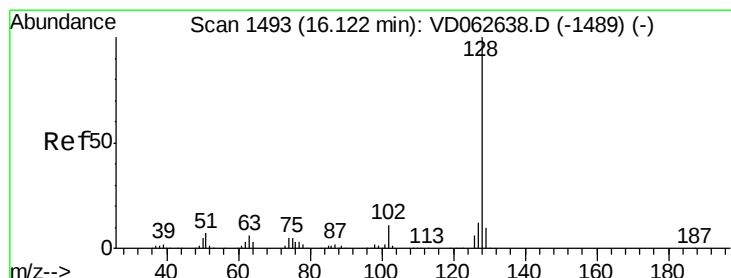
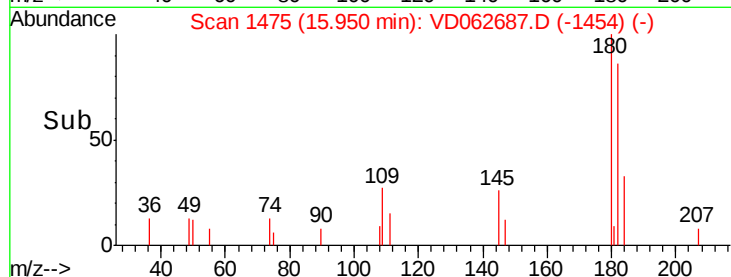
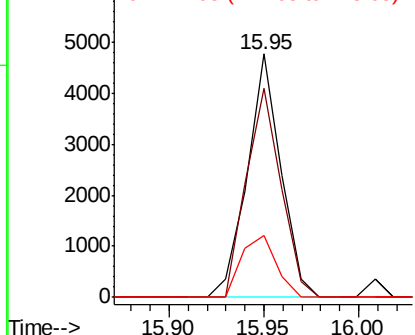
#93
 1,2,4-Trichlorobenzene
 Concen: 4.098 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062687.D
 Acq: 13 Jun 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 5883
 Ion Ratio Lower Upper
 180 100
 182 86.0 49.4 148.2
 145 25.6 14.5 43.6

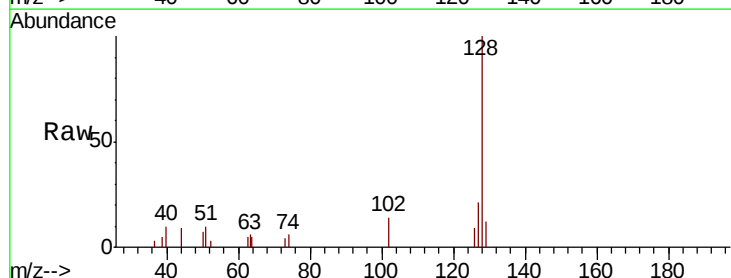


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 4.074 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062687.D
 Acq: 13 Jun 2019 11:52

Tgt Ion:128 Resp: 9765
 Ion Ratio Lower Upper
 128 100
 127 20.7 9.7 14.5#
 129 12.3 8.1 12.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

