

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062675.D
 Acq On : 12 Jun 2019 15:41
 Operator : VA/AP
 Sample : K3273-13RE
 Misc : 4.83g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 07:24:48 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

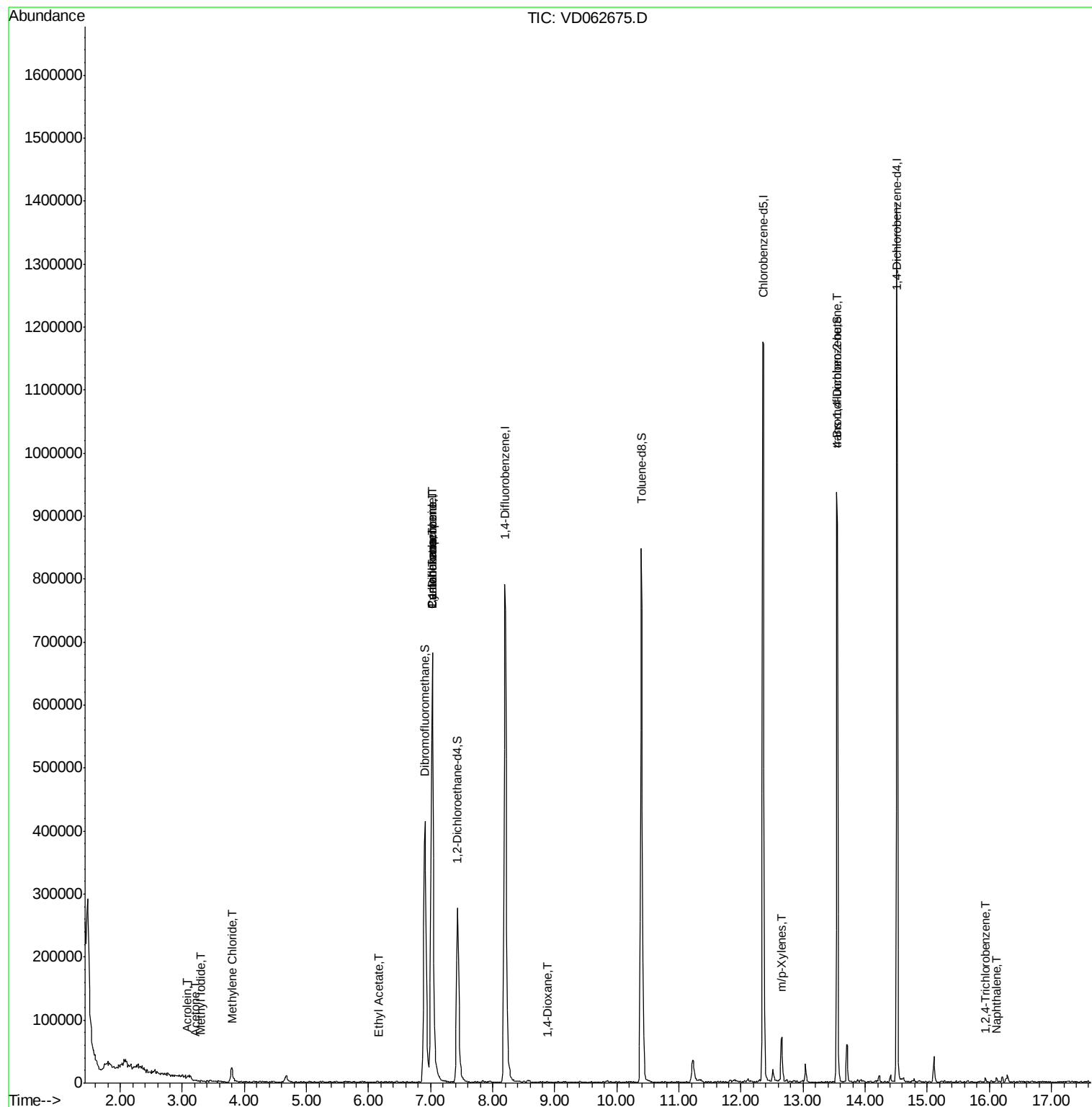
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	612919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	837436	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	651723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	289518	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	337632	38.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	76.34%	
35) Dibromofluoromethane	6.91	113	360248	40.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.58%	
50) Toluene-d8	10.39	98	675752	36.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	72.74%	
62) 4-Bromofluorobenzene	13.54	95	274812	31.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.56	85	1933	Below Cal		95
10) Methyl Iodide	3.30	142	872	4.082	ug/l #	90
13) Acrolein	3.07	56	512	4.378	ug/l #	70
16) Acetone	3.21	43	4163	2.570	ug/l #	66
20) Methylene Chloride	3.80	84	10927	1.356	ug/l #	71
31) Cyclohexane	7.04	56	13392	1.919	ug/l #	6
36) 1,1-Dichloropropene	7.03	75	48922	5.104	ug/l #	54
37) Ethyl Acetate	6.17	43	642	1.354	ug/l #	74
38) Carbon Tetrachloride	7.03	117	63082	4.164	ug/l #	16
49) 1,4-Dioxane	8.89	88	180	52.513	ug/l #	21
68) m/p-Xylenes	12.66	106	20583	2.291	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.54	75	135038	110.856	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	1529	3.759	ug/l	89
95) Naphthalene	16.11	128	5517	3.938	ug/l #	80

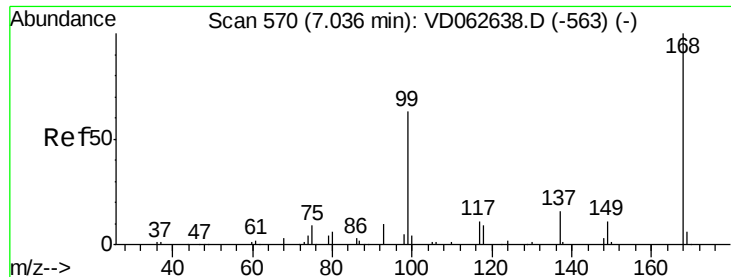
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

Instrument :

MSVOA_D

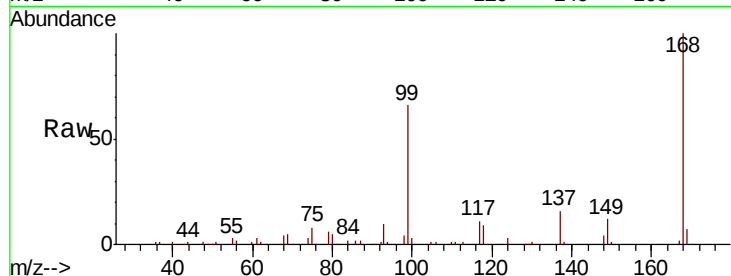
ClientSampleId :

Tot Ion:168 Resp: 612919

Ion Ratio Lower Upper

168 100

99 66.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

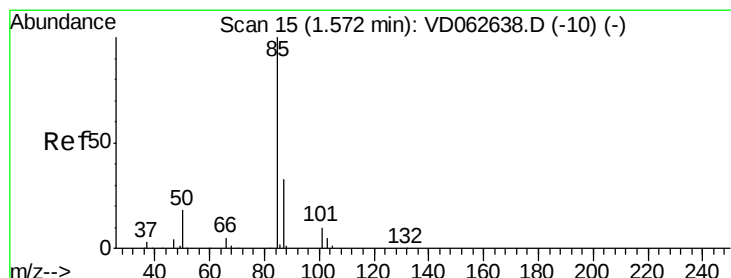
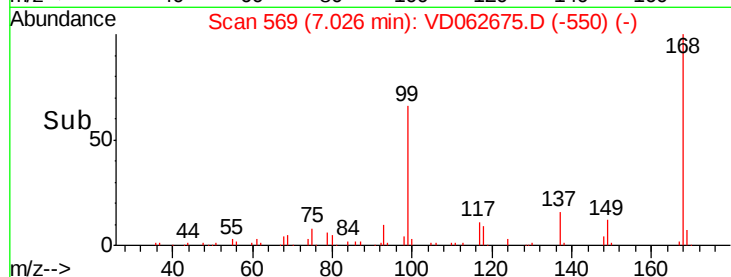
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062675.D

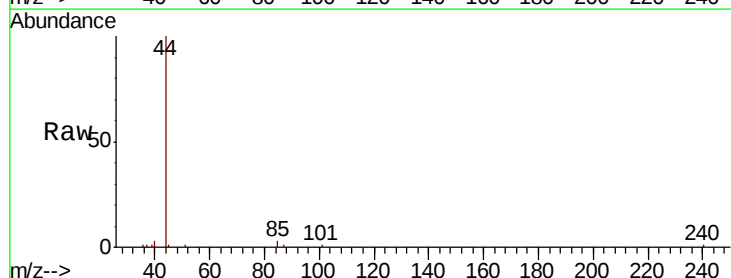
Acq: 12 Jun 2019 15:41

Tgt Ion: 85 Resp: 1933

Ion Ratio Lower Upper

85 100

87 30.3 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1500

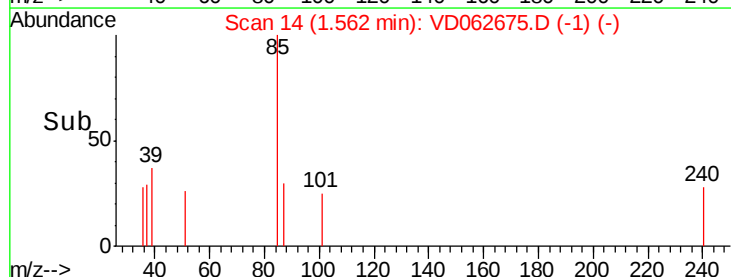
1000

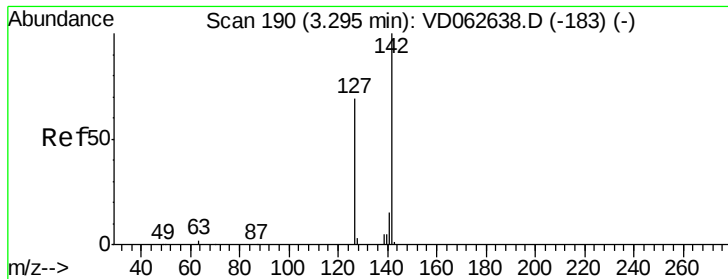
500

0

Time-->

1.50 1.55 1.60 1.65

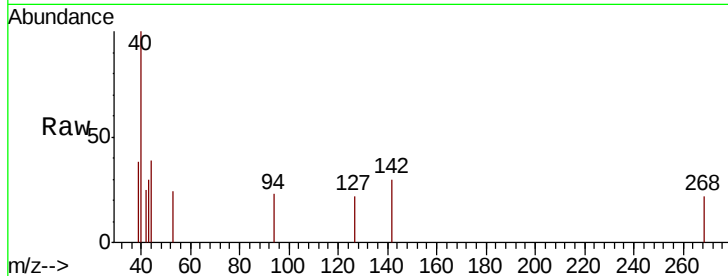




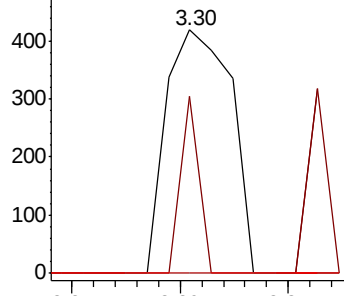
#10
Methvl Iodide
Concen: 4.082 ug/l
RT: 3.30 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Instrument :
MSVOA_D
ClientSampled :

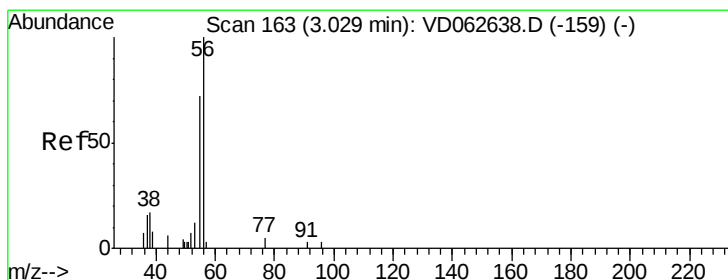
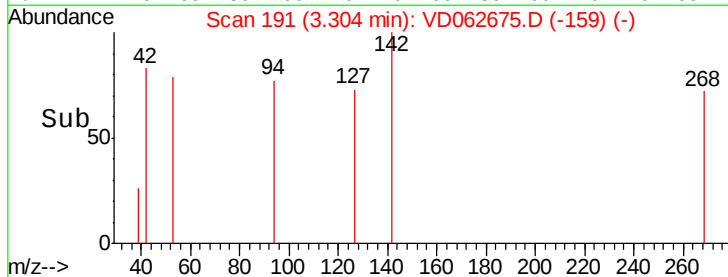
Tot Ion:142 Resp: 872
Ion Ratio Lower Upper
142 100
127 72.8 55.2 82.8
141 0.0 12.1 18.1#



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

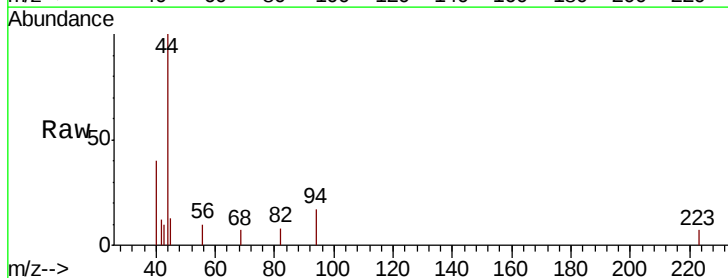


Time--> 3.25 3.30 3.35

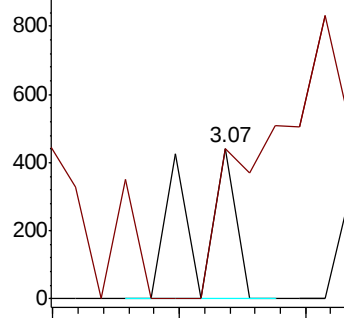


#13
Acrolein
Concen: 4.378 ug/l
RT: 3.07 min Scan# 167
Delta R.T. 0.04 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

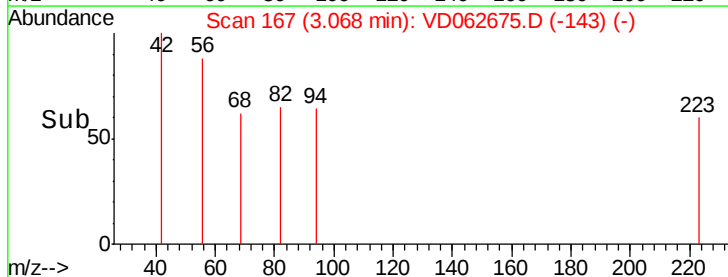
Tgt Ion: 56 Resp: 512
Ion Ratio Lower Upper
56 100
55 100.0 59.4 89.0#

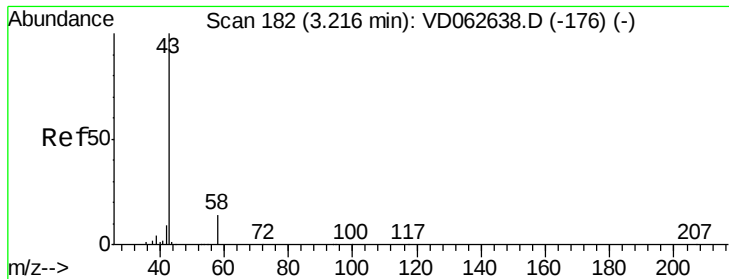


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



Time--> 3.00 3.05 3.10

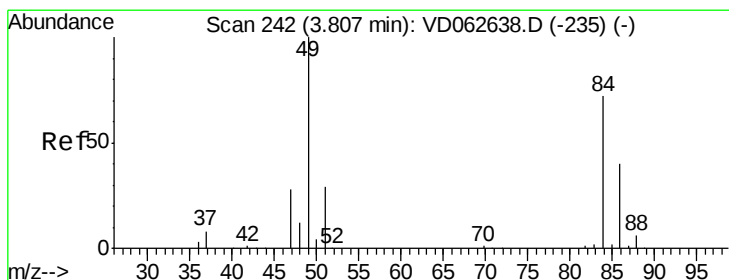
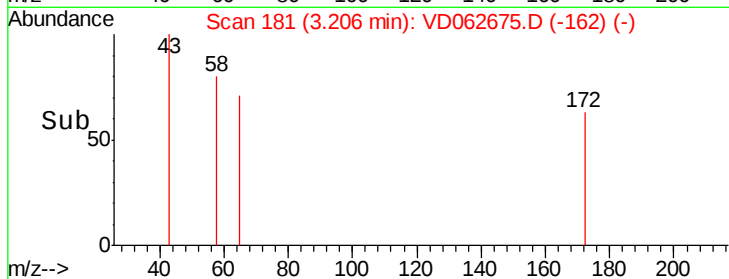
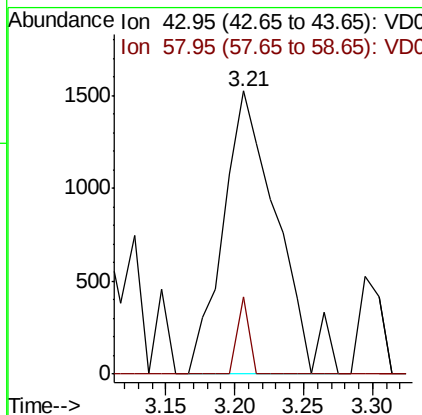
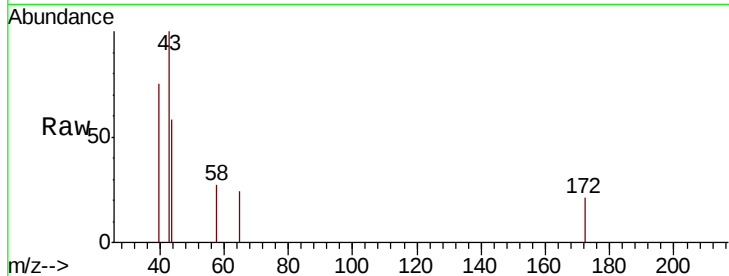




#16
Acetone
Concen: 2.570 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

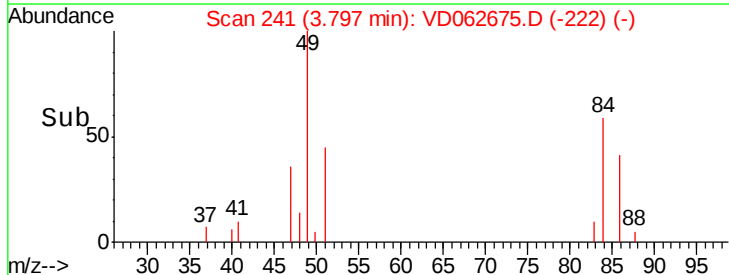
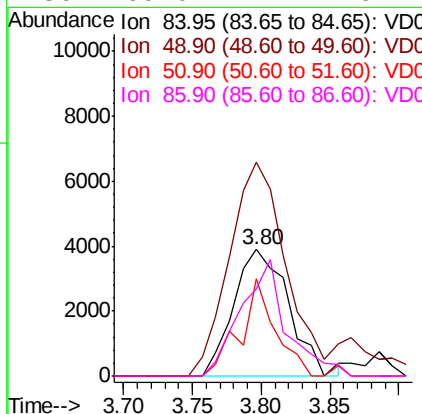
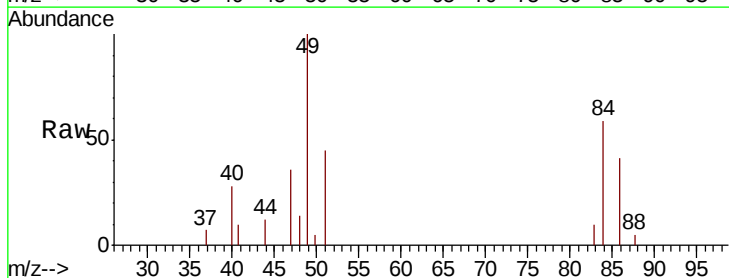
Instrument :
MSVOA_D
ClientSampleId :

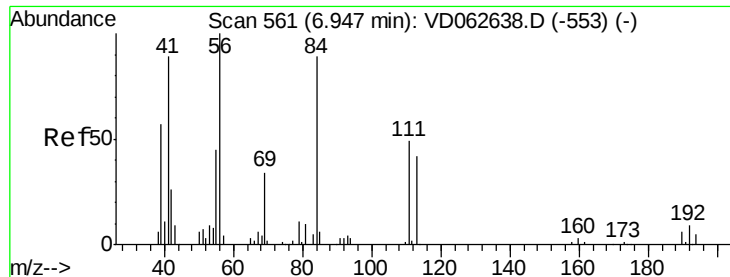
Tot Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
58 27.1 10.8 16.2#



#20
Methylene Chloride
Concen: 1.356 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Tgt Ion: 84 Resp: 10927
Ion Ratio Lower Upper
84 100
49 168.7 111.2 166.8#
51 76.7 31.9 47.9#
86 69.0 44.7 67.1#





#31

Cyclohexane

Concen: 1.919 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.09 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

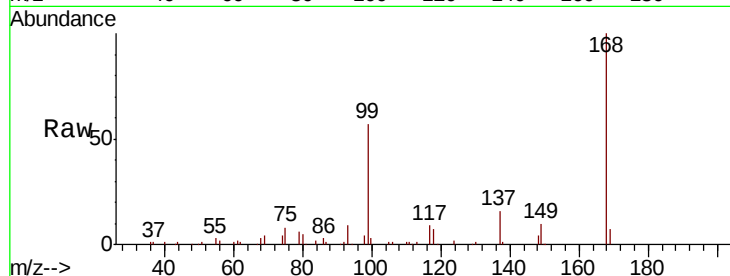
Tot Ion: 56 Resp: 13392

Ion Ratio Lower Upper

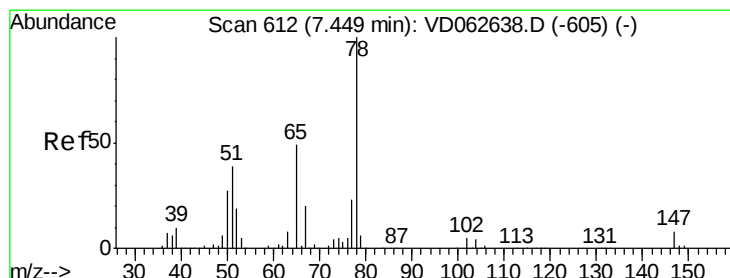
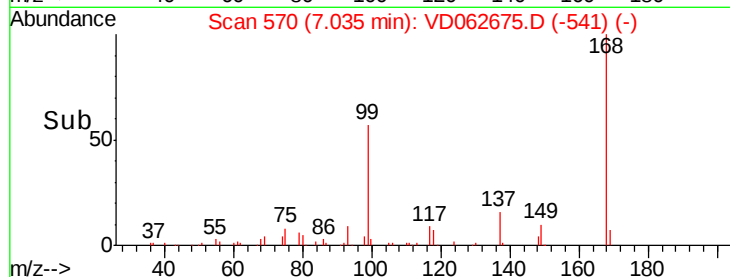
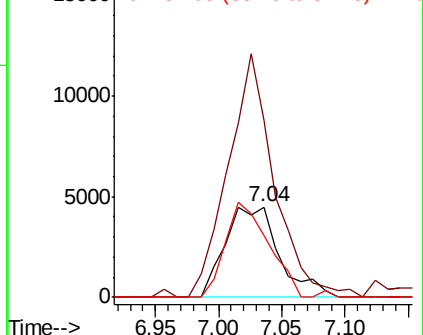
56 100

69 196.1 26.8 40.2#

84 68.7 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: 38.175 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD062675.D

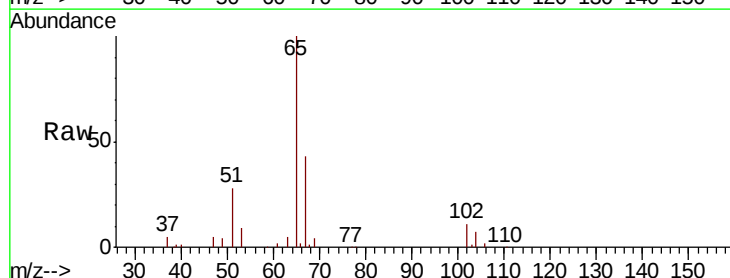
Acq: 12 Jun 2019 15:41

Tgt Ion: 65 Resp: 337632

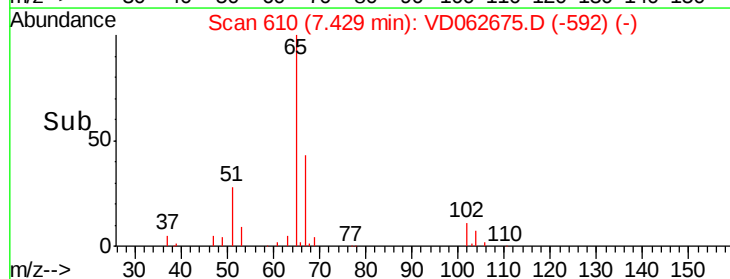
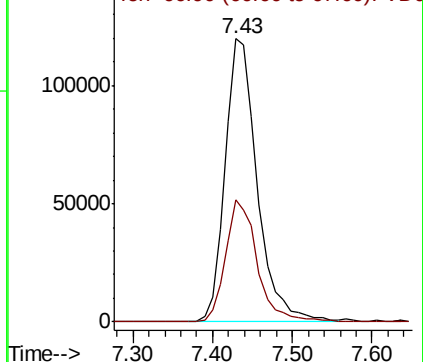
Ion Ratio Lower Upper

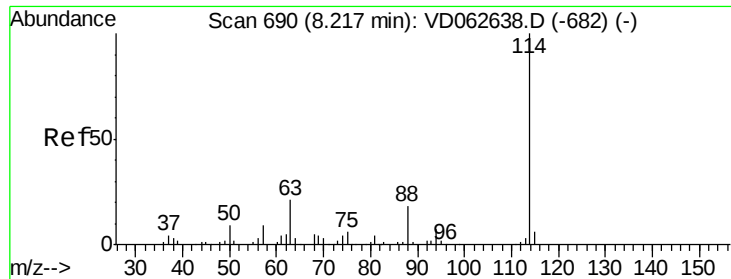
65 100

67 43.1 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: 8.20 min Scan# 688

Delta R.T. -0.02 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

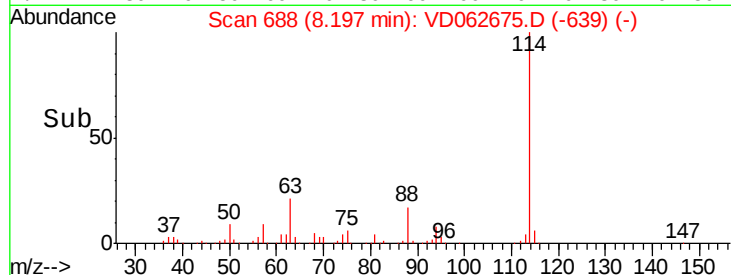
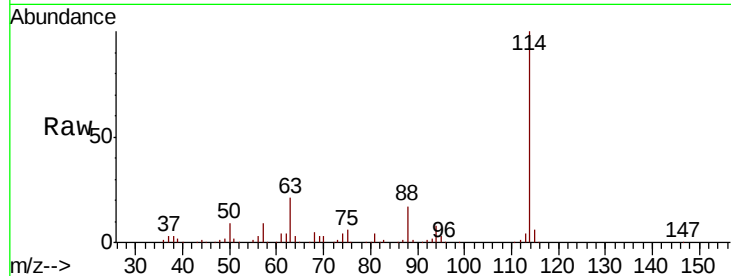
Tot Ion:114 Resp: 837436

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 17.3 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

400000

300000

200000

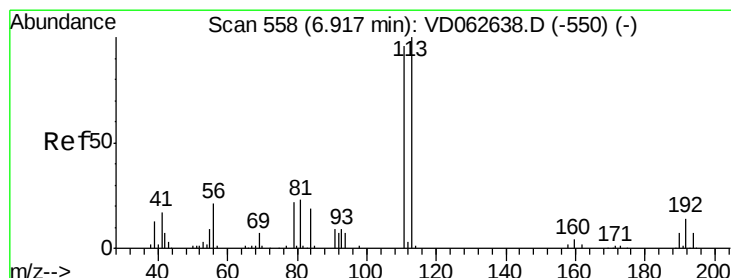
100000

0

8.20

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 40.790 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

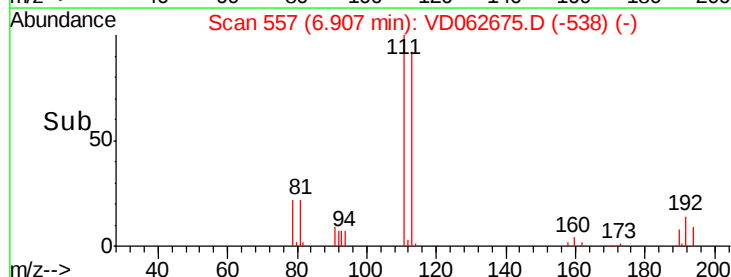
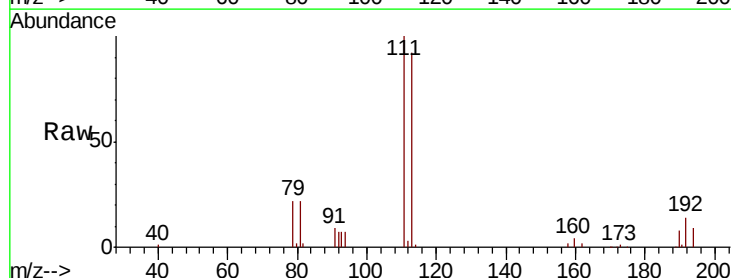
Tgt Ion:113 Resp: 360248

Ion Ratio Lower Upper

113 100

111 108.2 76.4 114.6

192 15.5 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

150000

100000

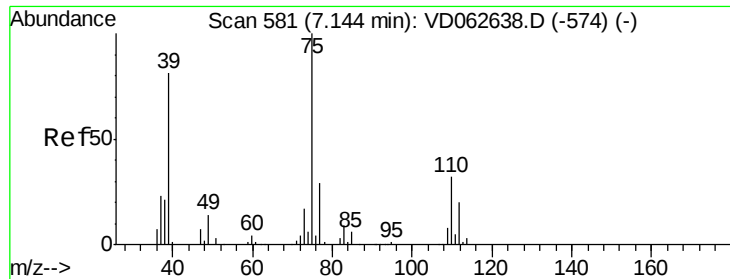
50000

0

6.91

6.80 6.90 7.00 7.10

Time-->



#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

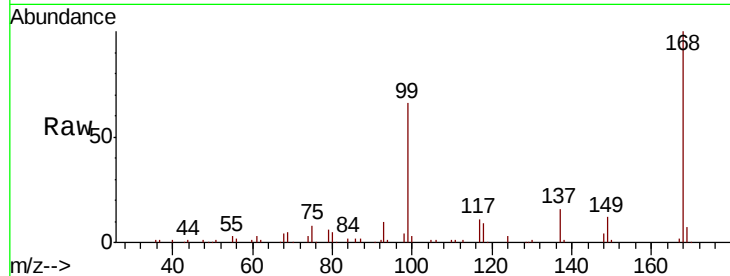
Tot Ion: 75 Resp: 48922

Ion Ratio Lower Upper

75 100

110 10.4 15.9 47.7#

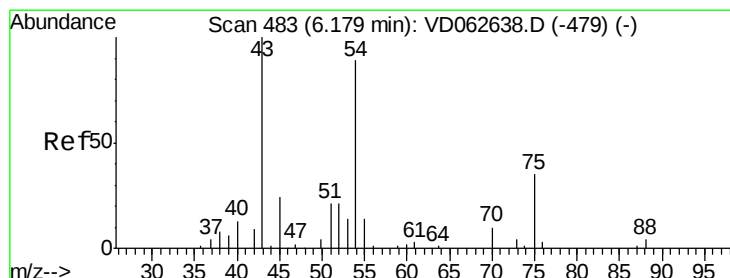
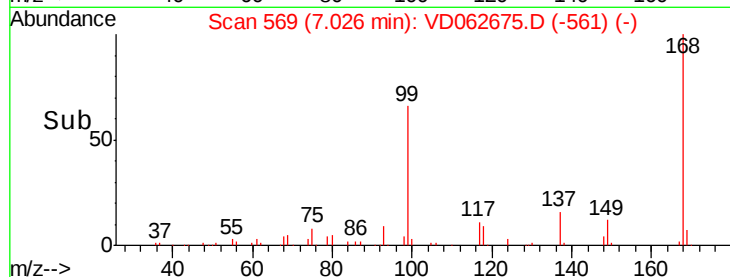
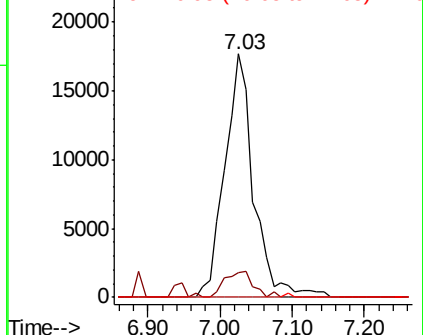
77 0.0 23.3 34.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.354 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

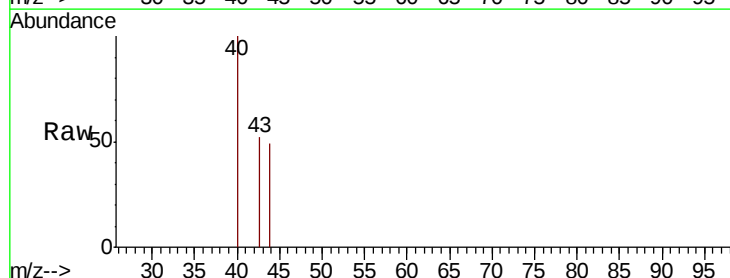
Tgt Ion: 43 Resp: 642

Ion Ratio Lower Upper

43 100

61 0.0 8.7 13.1#

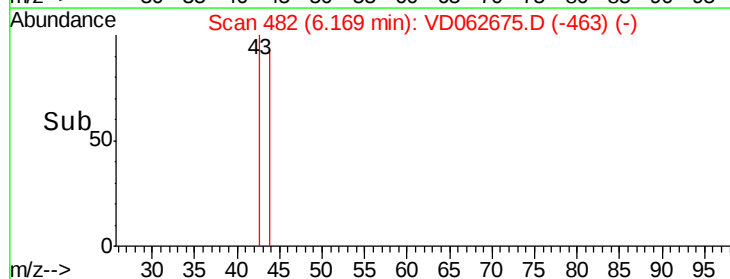
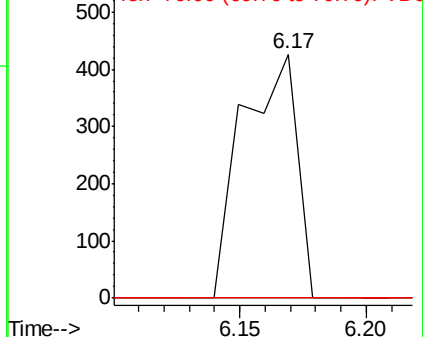
70 0.0 6.5 9.7#

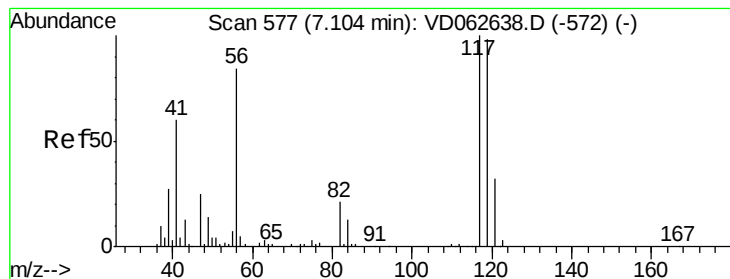


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.164 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.08 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

Instrument :

MSVOA_D

ClientSampled :

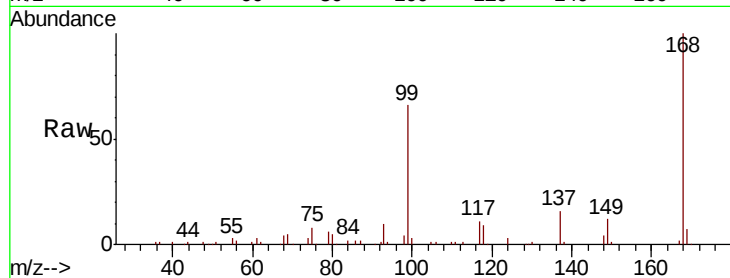
Tot Ion:117 Resp: 63082

Ion Ratio Lower Upper

117 100

119 2.9 73.5 110.3#

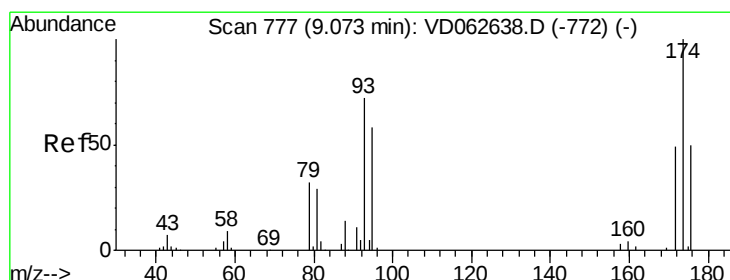
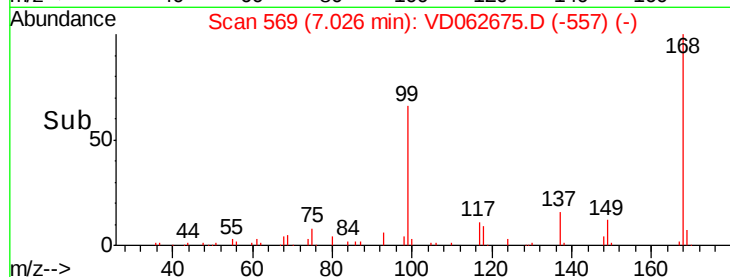
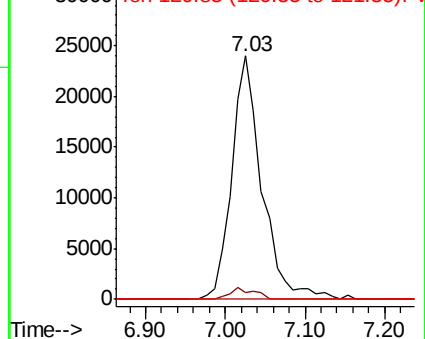
121 0.0 24.2 36.4#



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



#49

1,4-Dioxane

Concen: 52.513 ug/l

RT: 8.89 min Scan# 758

Delta R.T. -0.19 min

Lab File: VD062675.D

Acq: 12 Jun 2019 15:41

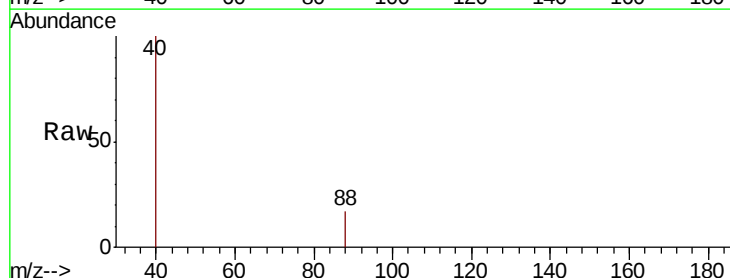
Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 0.0 40.7 61.1#

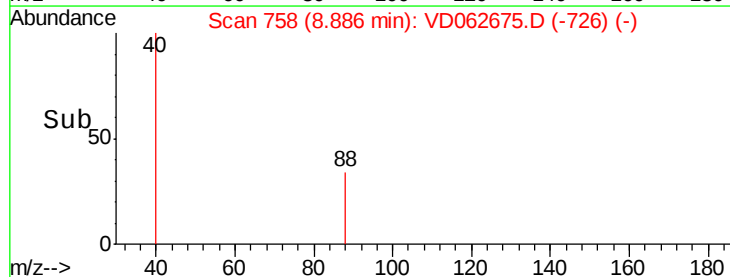
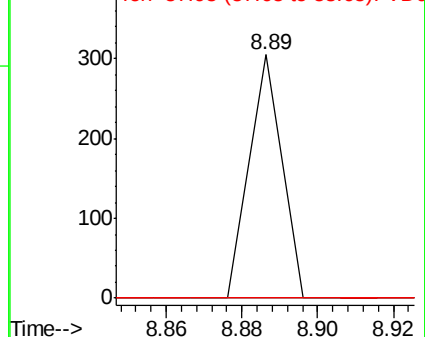
58 0.0 54.2 81.4#

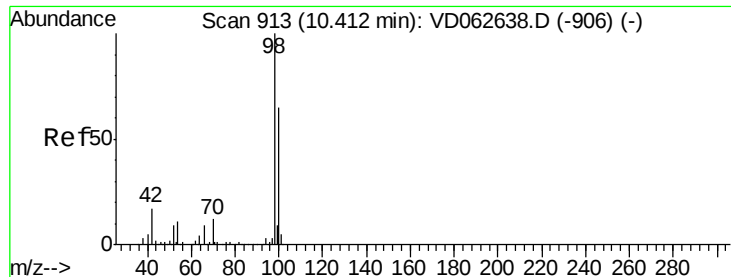


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

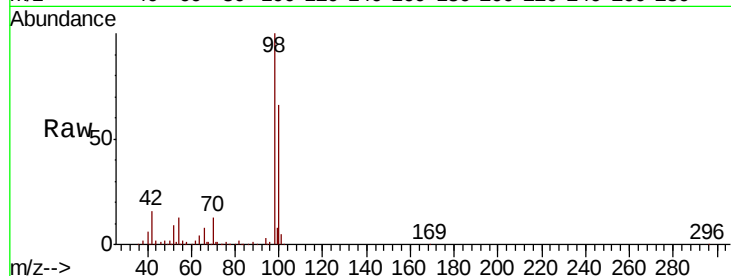




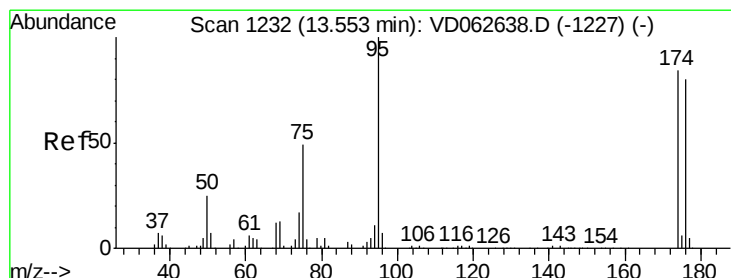
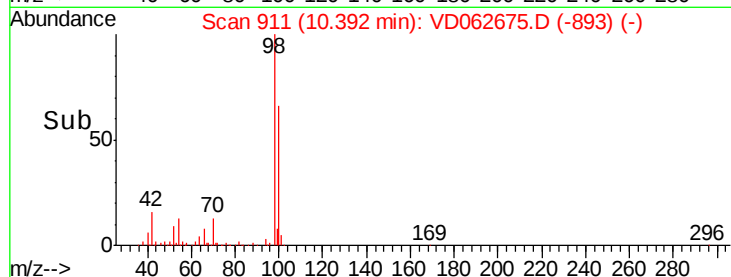
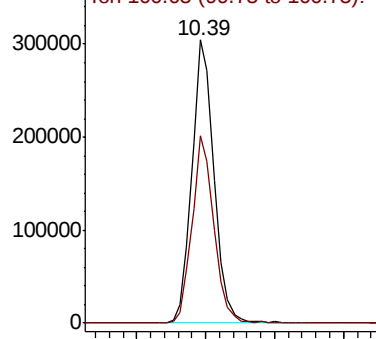
#50
Toluene-d8
Concen: 36.371 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 675752
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1

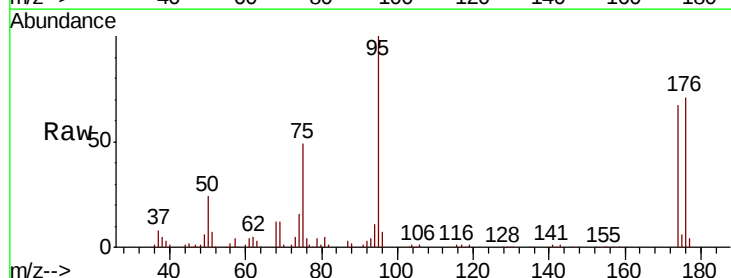


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

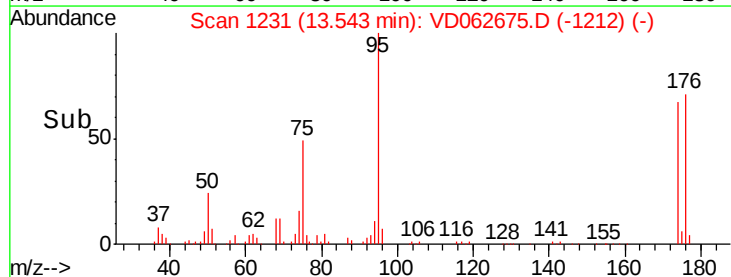
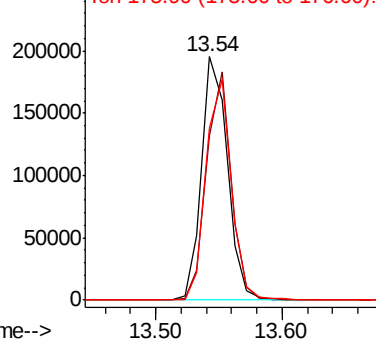


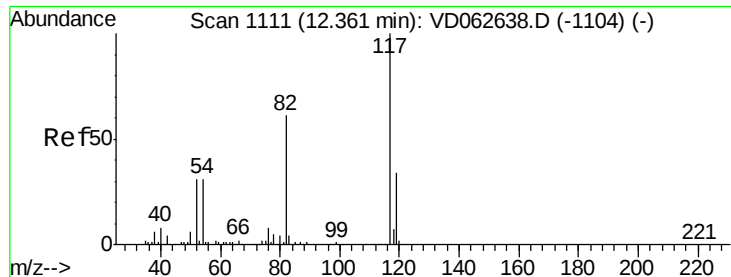
#62
4-Bromofluorobenzene
Concen: 31.705 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Tgt Ion: 95 Resp: 274812
Ion Ratio Lower Upper
95 100
174 67.5 0.0 167.0
176 70.6 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

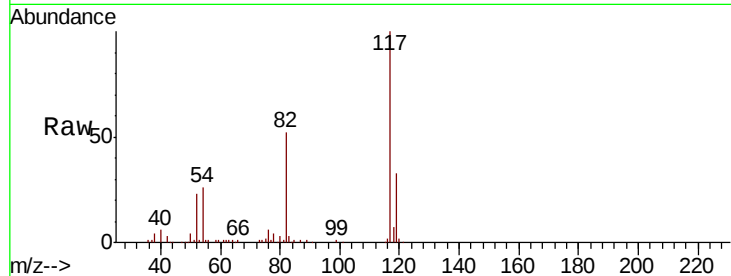




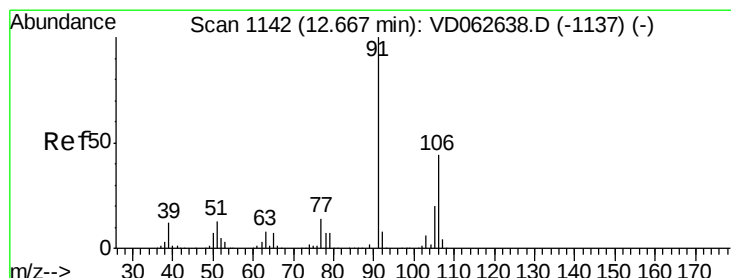
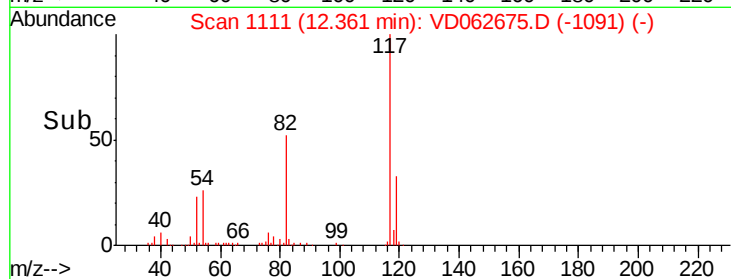
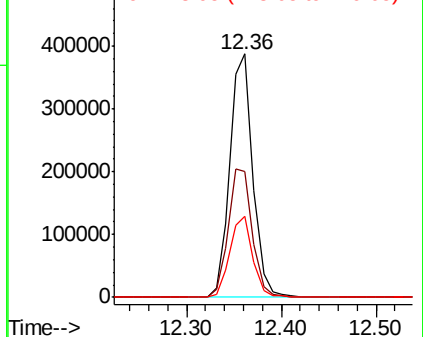
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 651723
Ion Ratio Lower Upper
117 100
82 51.8 48.7 73.1
119 33.3 27.0 40.6

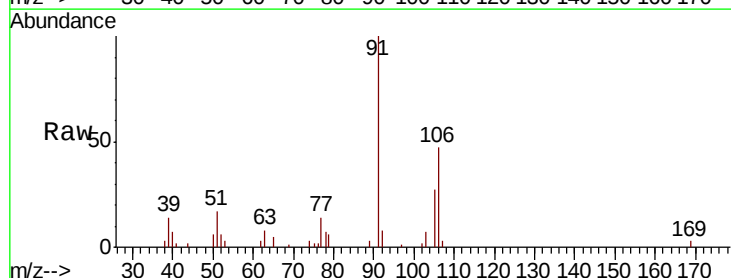


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

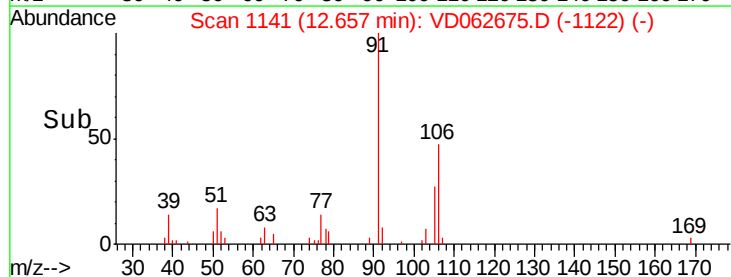
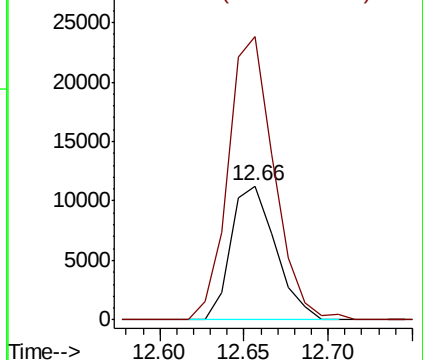


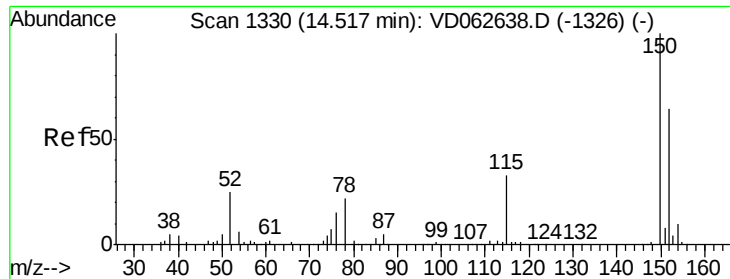
#68
m/p-Xylenes
Concen: 2.291 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Tgt Ion:106 Resp: 20583
Ion Ratio Lower Upper
106 100
91 210.9 180.2 270.4



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



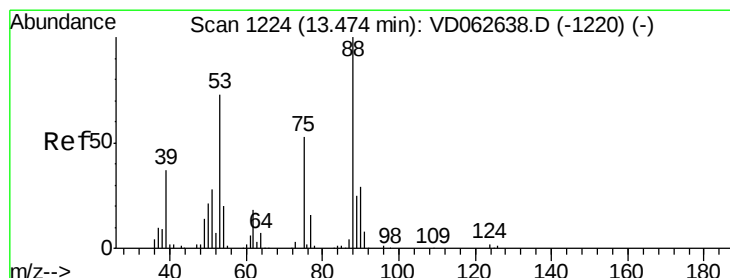
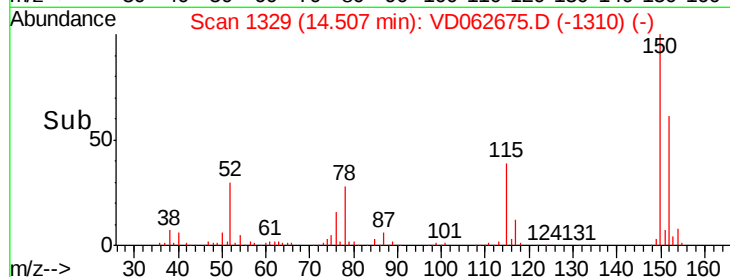
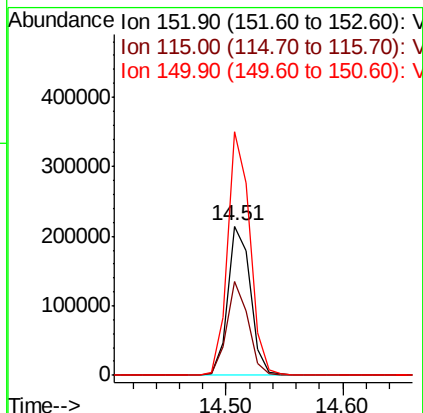
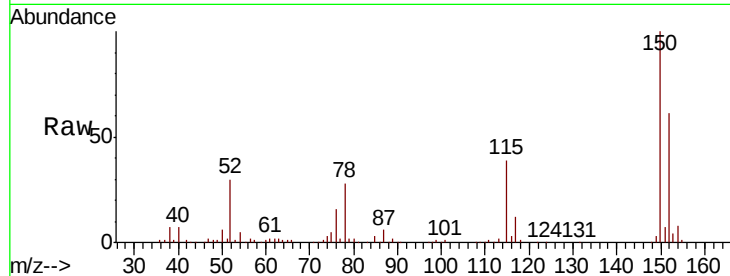


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

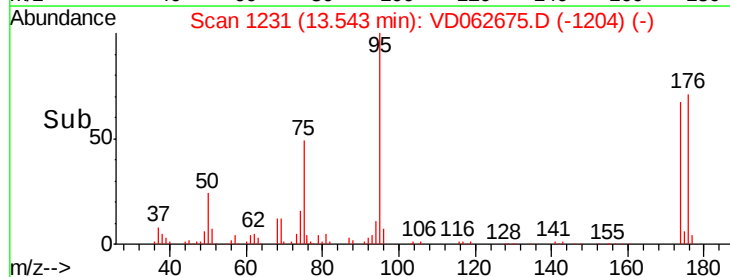
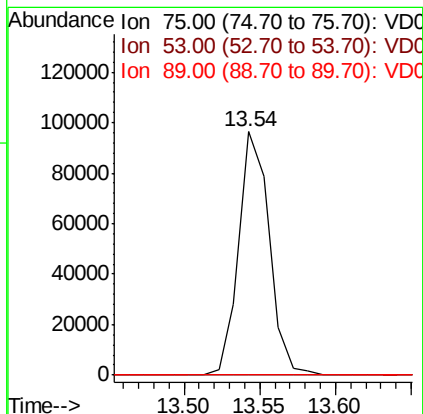
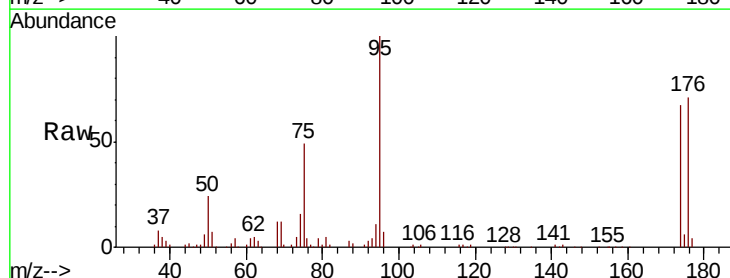
Tot Ion	Ratio	Lower	Upper
152	100		
115	63.0	30.1	90.5
150	162.9	0.0	314.0

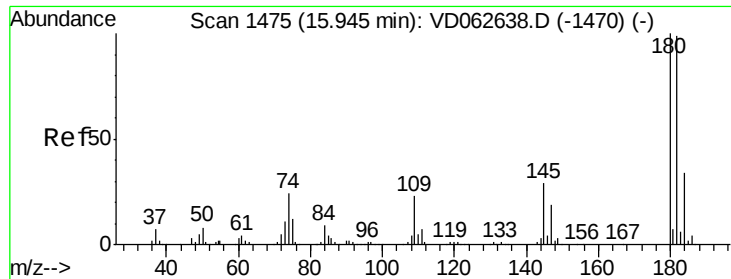


#81

trans-1,4-Dichloro-2-butene
Concen: 110.856 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD062675.D
Acq: 12 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	109.4	164.2#
89	0.0	37.0	55.6#

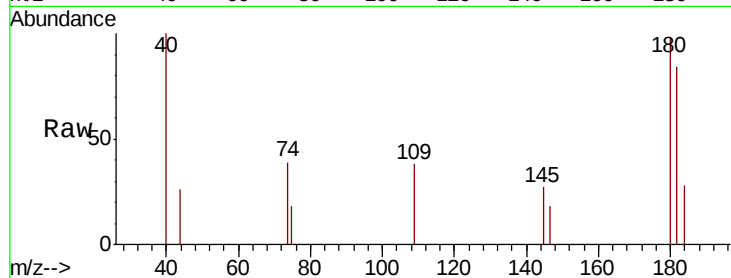




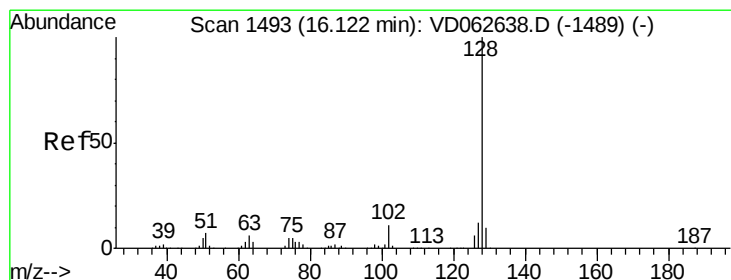
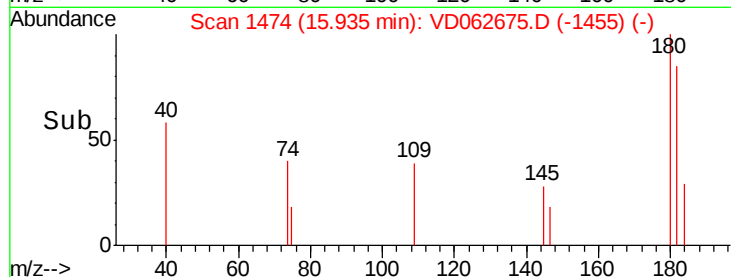
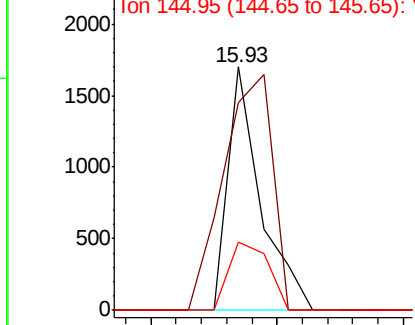
#93
 1,2,4-Trichlorobenzene
 Concen: 3.759 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062675.D
 Acq: 12 Jun 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1529
 Ion Ratio Lower Upper
 180 100
 182 85.3 49.4 148.2
 145 28.0 14.5 43.6

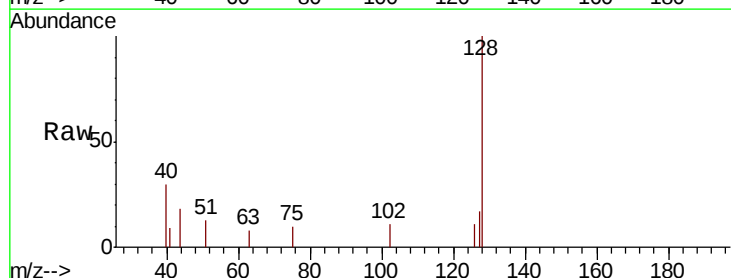


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.938 ug/l
 RT: 16.11 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VD062675.D
 Acq: 12 Jun 2019 15:41

Tgt Ion:128 Resp: 5517
 Ion Ratio Lower Upper
 128 100
 127 17.3 9.7 14.5#
 129 0.0 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

