

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065627.D
 Acq On : 13 Apr 2020 20:07
 Operator : VA/SY
 Sample : L2230-11
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

Quant Time: Apr 14 02:14:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	375741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	772966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	810163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361470	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	238407	67.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.18%	
35) Dibromofluoromethane	7.92	113	278525	51.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.16%	
50) Toluene-d8	10.34	98	1000378	50.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.64	95	326358	51.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.00%	

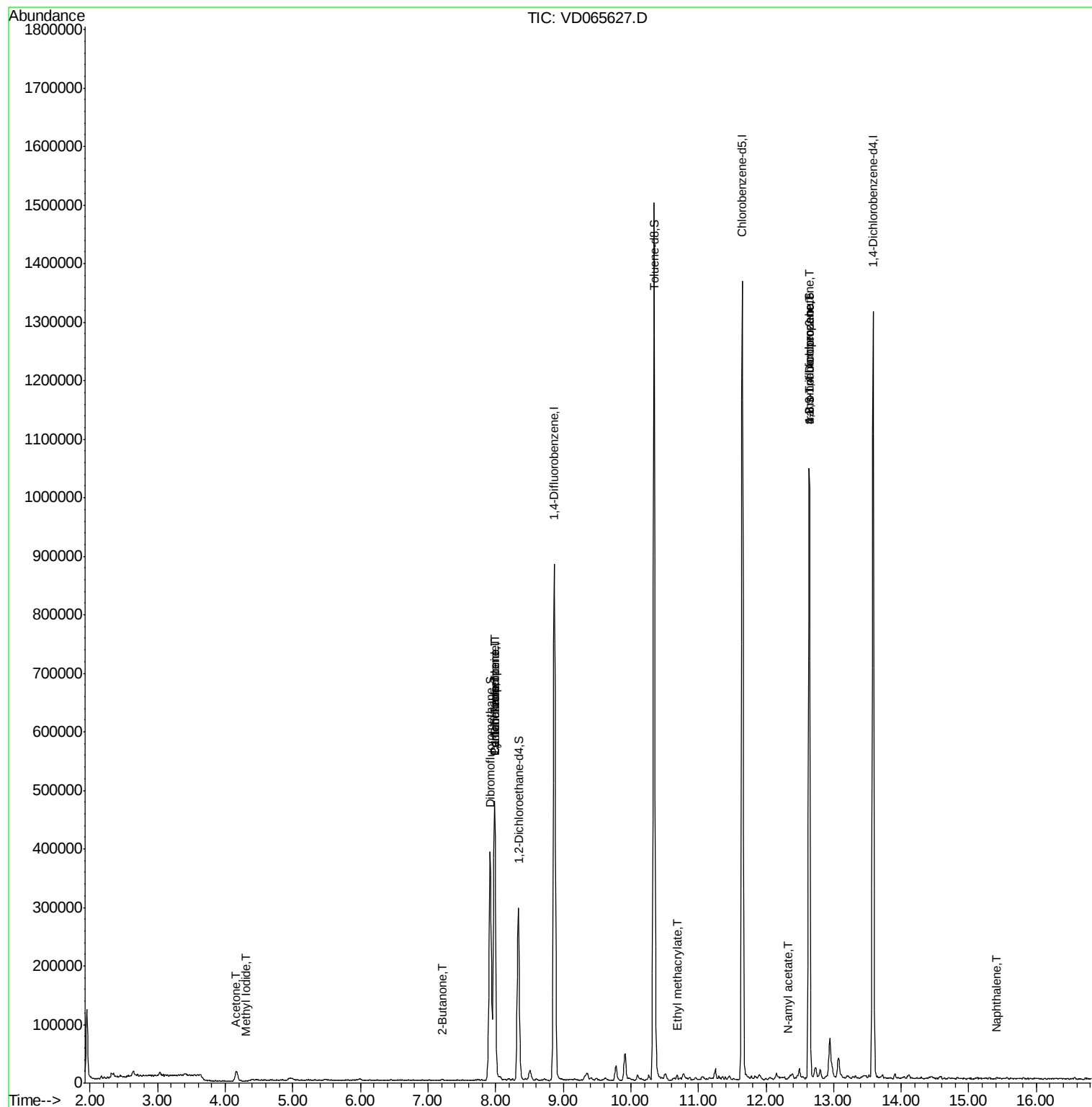
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	74	2.596	ug/l #	41
16) Acetone	4.16	43	30481	47.501	ug/l	97
25) 2-Butanone	7.21	43	946	1.077	ug/l #	47
31) Cyclohexane	7.98	56	7984	1.259	ug/l #	12
36) 1,1-Dichloropropene	7.99	75	25974	3.264	ug/l #	49
38) Carbon Tetrachloride	7.99	117	34220	3.960	ug/l #	16
56) Ethyl methacrylate	10.68	69	755	3.454	ug/l #	1
74) N-amyl acetate	12.33	43	322	2.991	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	164247	56.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	164247	131.234	ug/l #	13
95) Naphthalene	15.42	128	2311	4.171	ug/l #	85

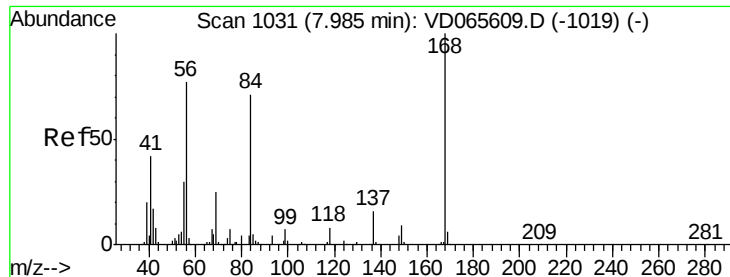
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

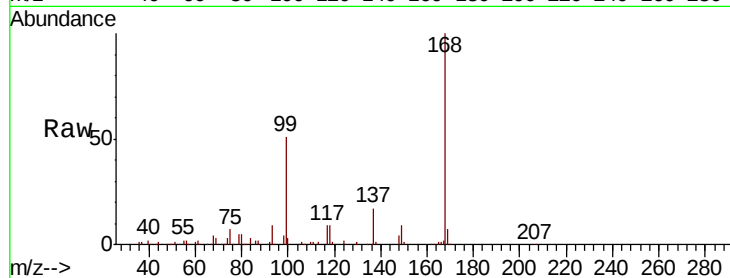
TP-11

Tot Ion:168 Resp: 375741

Ion Ratio Lower Upper

168 100

99 51.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

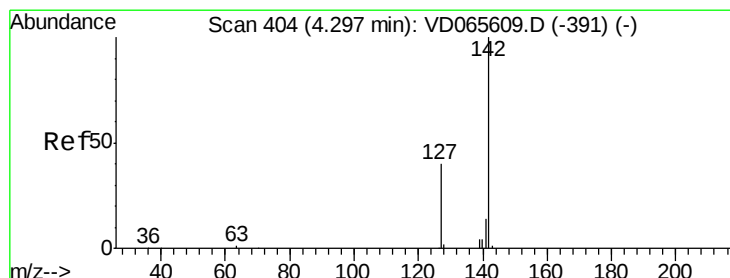
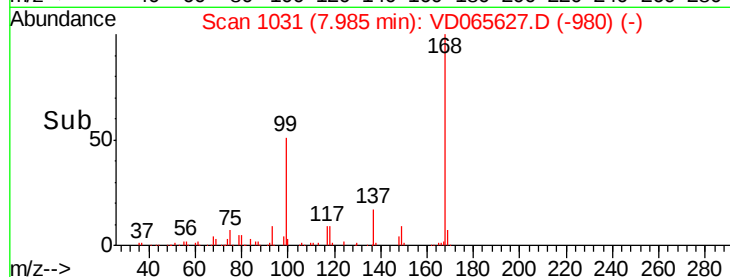
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.596 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

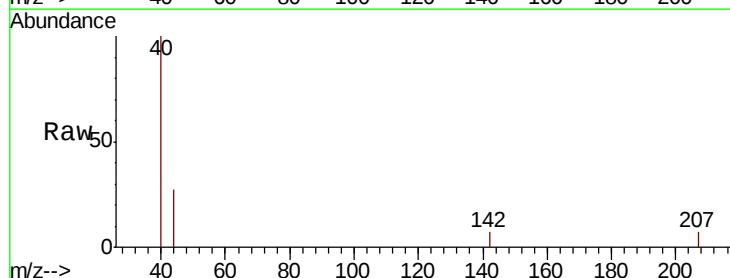
Tgt Ion:142 Resp: 74

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

250

200

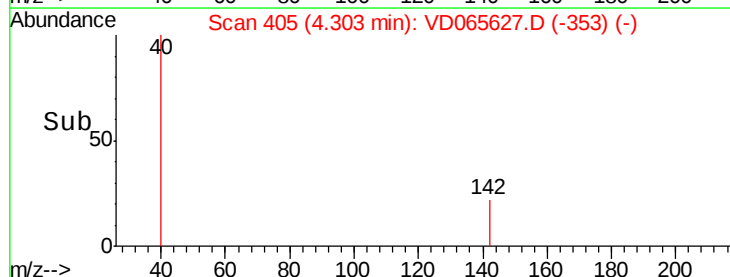
150

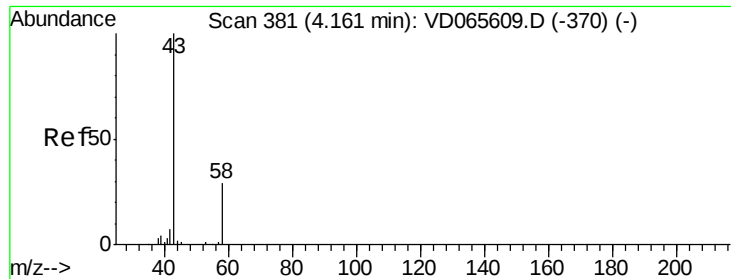
100

50

0

Time-->

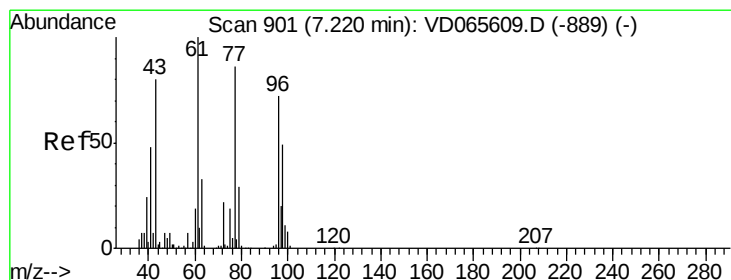
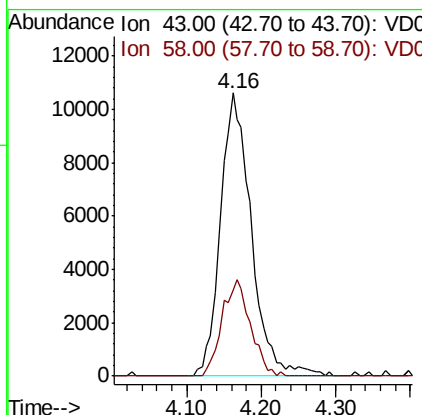
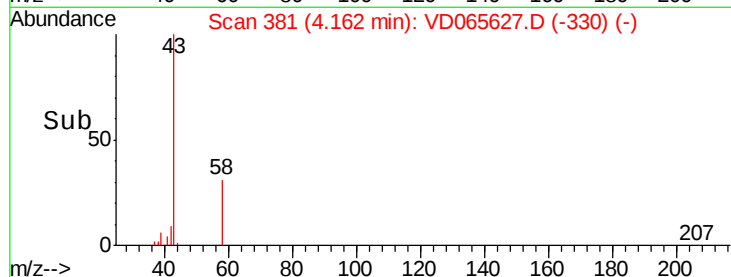
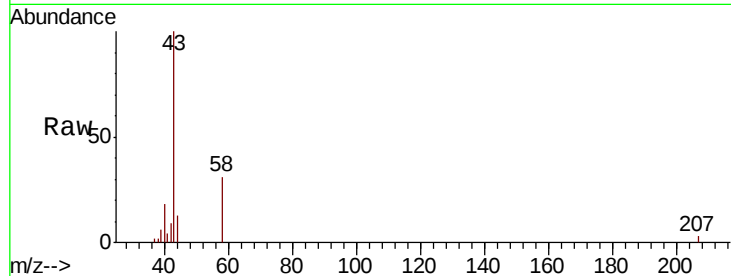




#16
Acetone
Concen: 47.501 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD065627.D
Acq: 13 Apr 2020 20:07

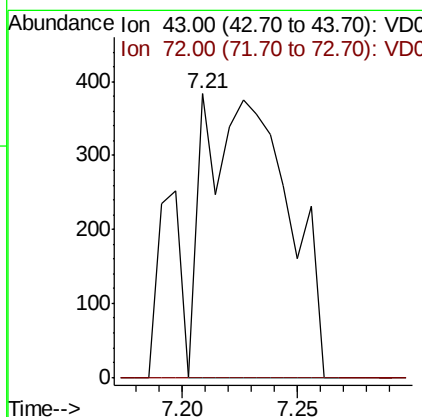
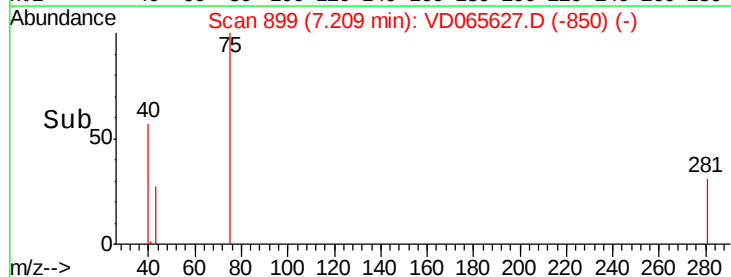
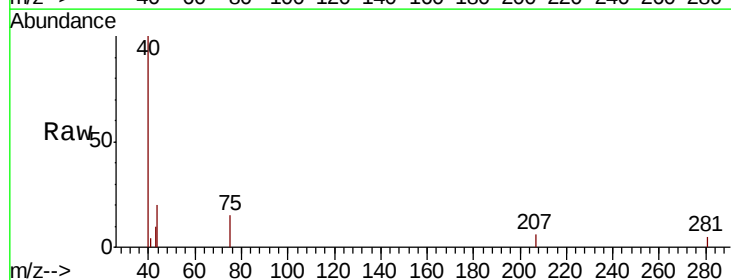
Instrument :
MSVOA_D
ClientSampled :
TP-11

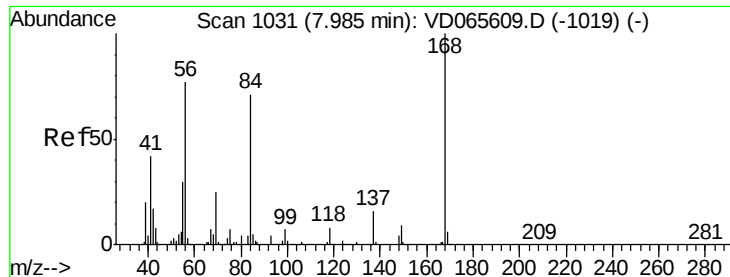
Tot Ion: 43 Resp: 30481
Ion Ratio Lower Upper
43 100
58 30.6 23.2 34.8



#25
2-Butanone
Concen: 1.077 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065627.D
Acq: 13 Apr 2020 20:07

Tgt Ion: 43 Resp: 946
Ion Ratio Lower Upper
43 100
72 0.0 22.5 33.7#

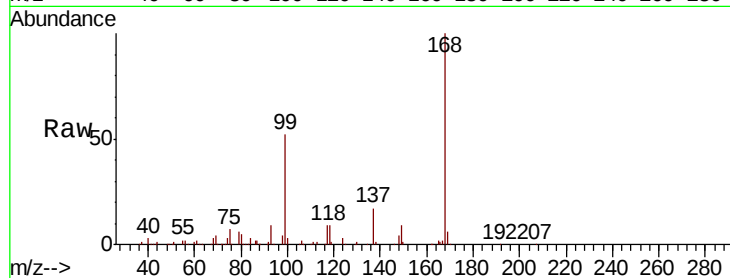




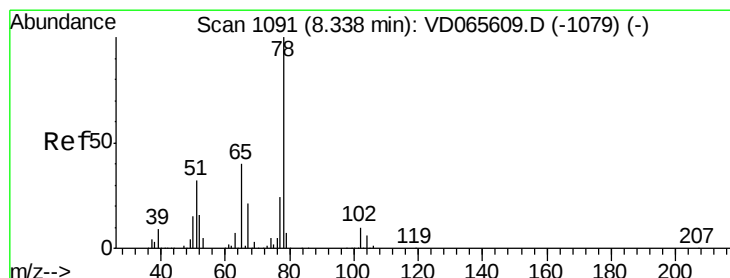
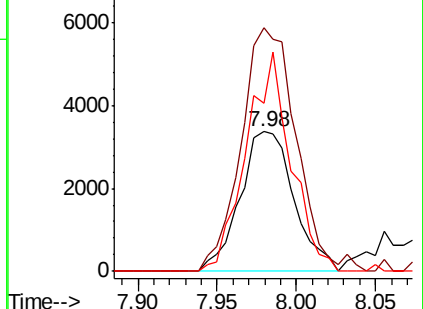
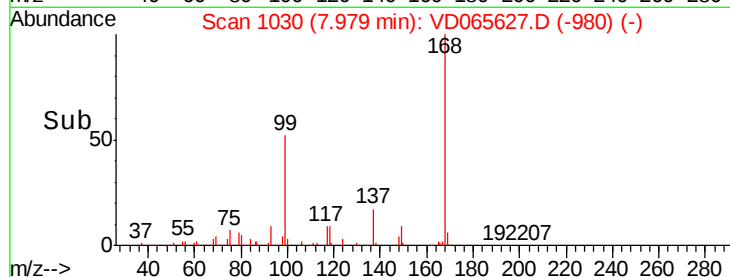
#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065627.D
Acq: 13 Apr 2020 20:07

Instrument :
MSVOA_D
ClientSampleId :
TP-11

Tot Ion: 56 Resp: 7984
Ion Ratio Lower Upper
56 100
69 174.4 26.2 39.4#
84 120.4 73.7 110.5#

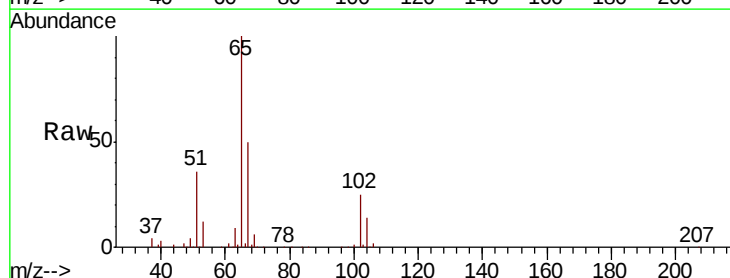


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

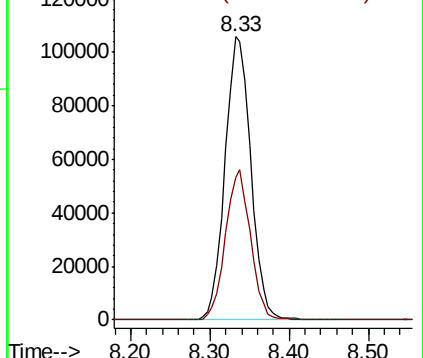
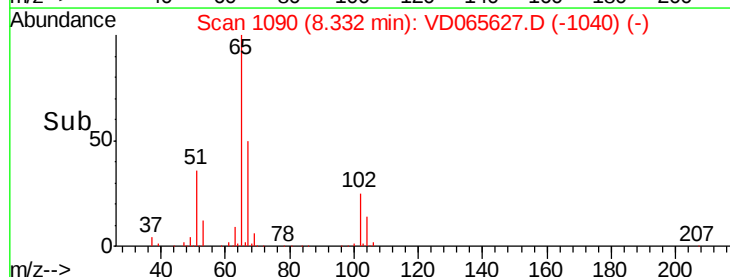


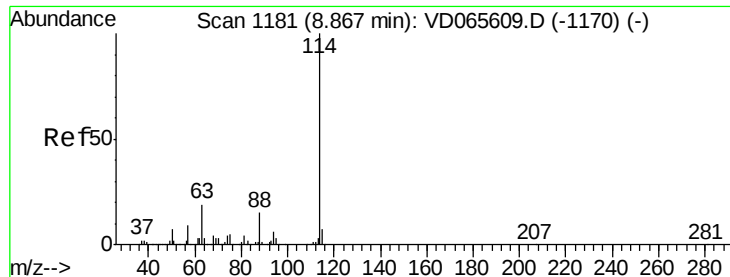
#33
1,2-Dichloroethane-d4
Concen: 67.089 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065627.D
Acq: 13 Apr 2020 20:07

Tgt Ion: 65 Resp: 238407
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

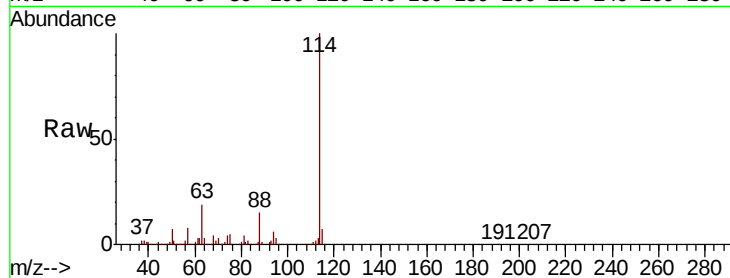




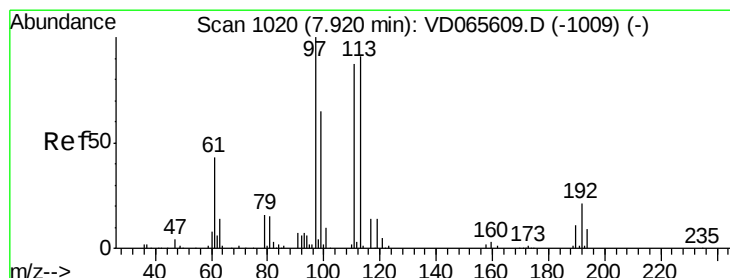
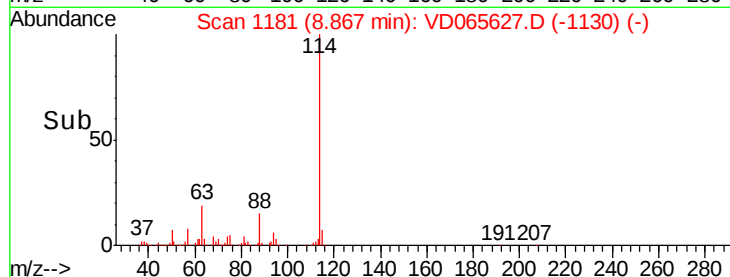
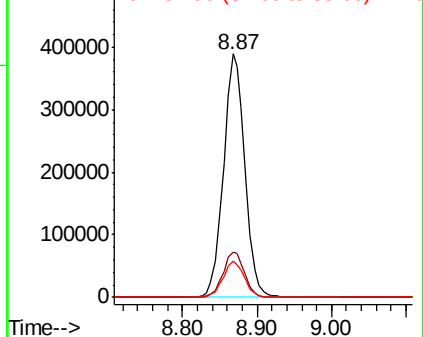
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065627.D
 Acq: 13 Apr 2020 20:07

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

Tot Ion:114 Resp: 772966
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.2
 88 15.0 0.0 29.6

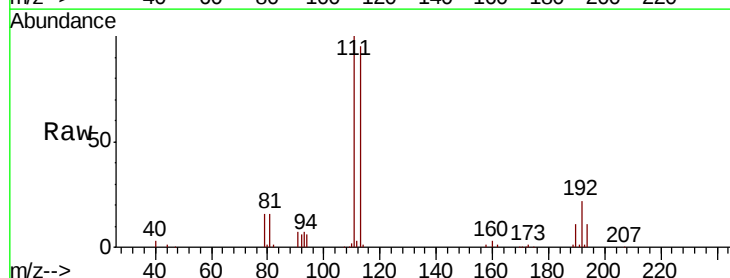


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

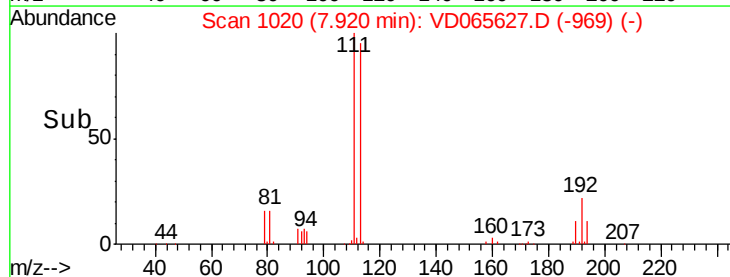
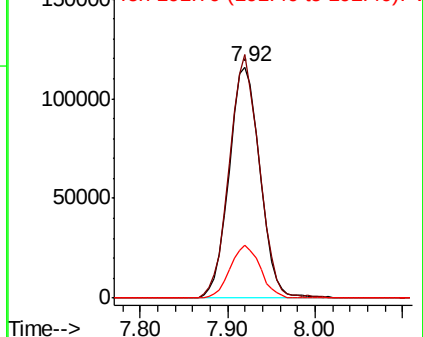


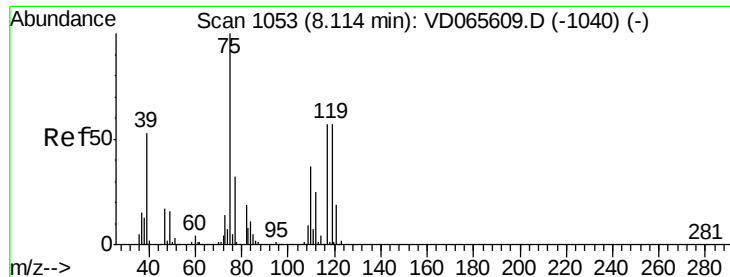
#35
 Dibromofluoromethane
 Concen: 51.577 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065627.D
 Acq: 13 Apr 2020 20:07

Tgt Ion:113 Resp: 278525
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 120.8
 192 22.3 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.264 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

TP-11

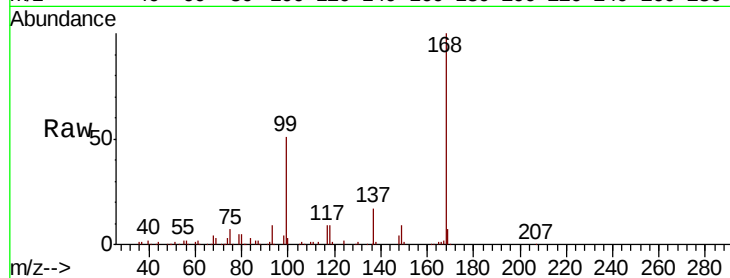
Tot Ion: 75 Resp: 25974

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.9#

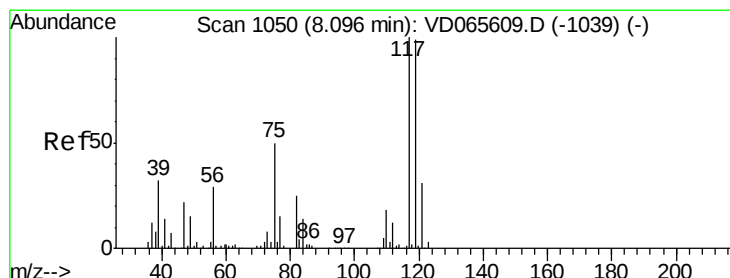
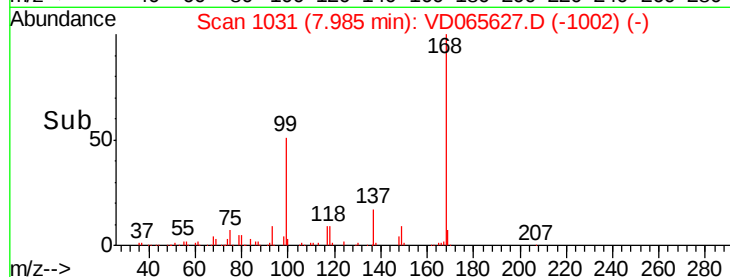
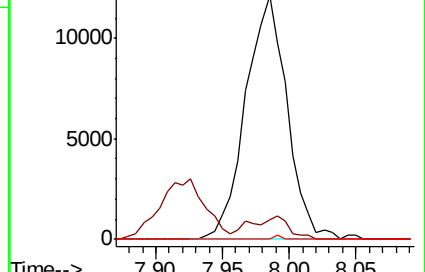
77 0.3 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD065627.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD065627.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD065627.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 3.960 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

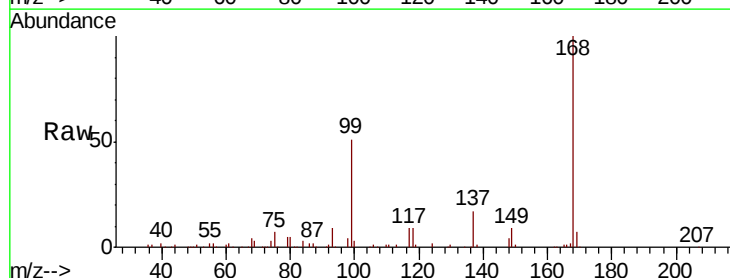
Tgt Ion: 117 Resp: 34220

Ion Ratio Lower Upper

117 100

119 6.0 78.9 118.3#

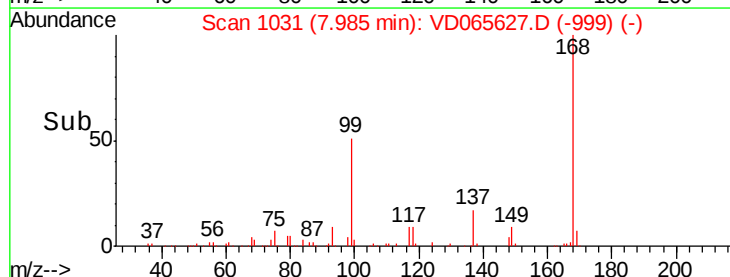
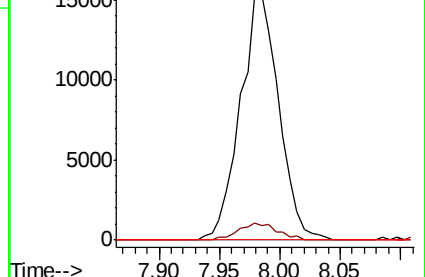
121 0.0 24.6 37.0#

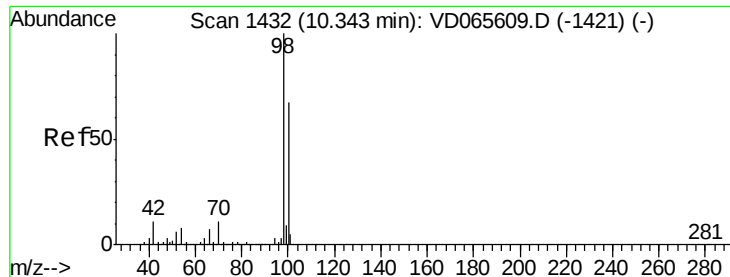


Abundance Ion 116.80 (116.50 to 117.50): VD065627.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD065627.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD065627.D (-999) (-)





#50

Toluene-d8

Concen: 50.729 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

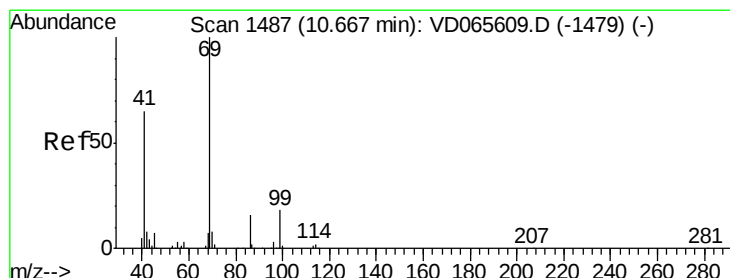
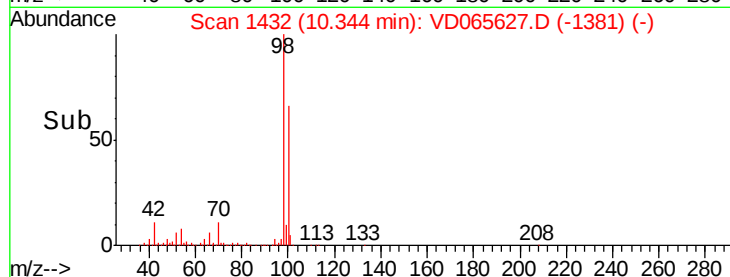
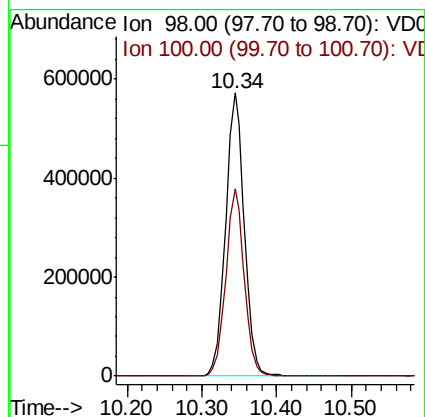
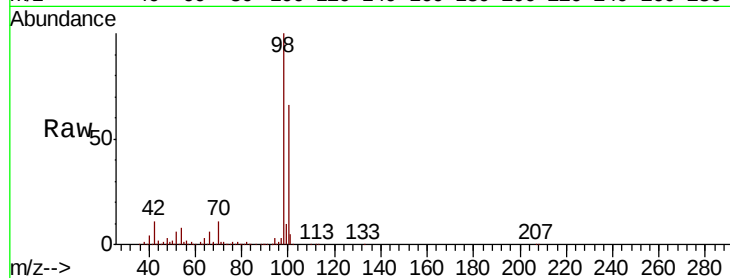
TP-11

Tot Ion: 98 Resp: 1000378

Ion Ratio Lower Upper

98 100

100 65.1 52.6 79.0



#56

Ethyl methacrylate

Concen: 3.454 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

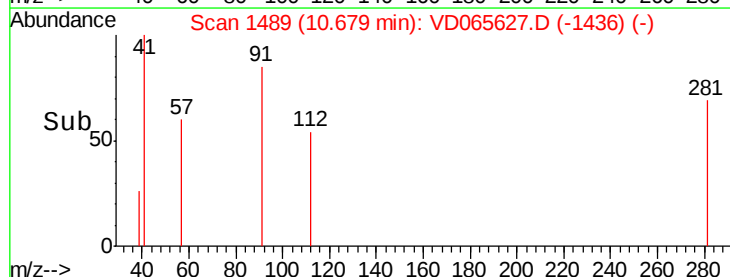
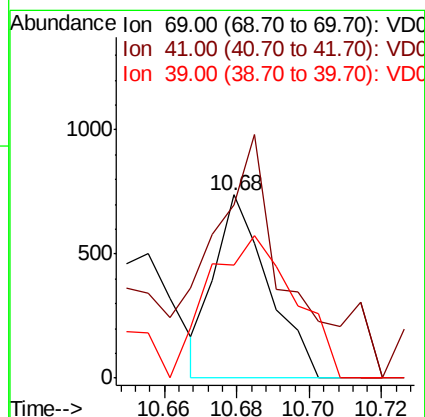
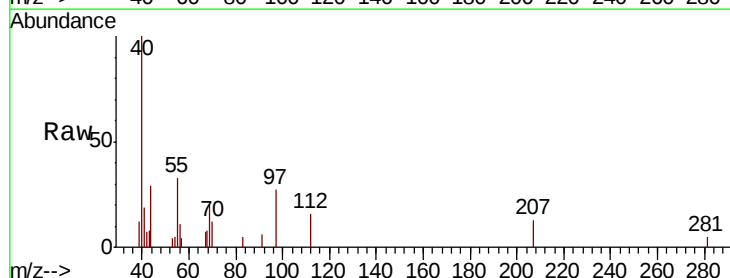
Tgt Ion: 69 Resp: 755

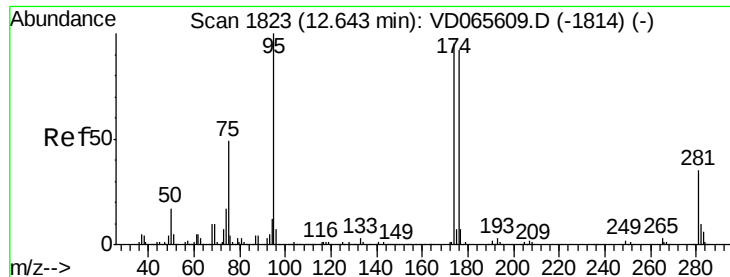
Ion Ratio Lower Upper

69 100

41 190.9 54.4 81.6#

39 125.6 26.5 39.7#





#62

4-Bromofluorobenzene

Concen: 51.502 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

TP-11

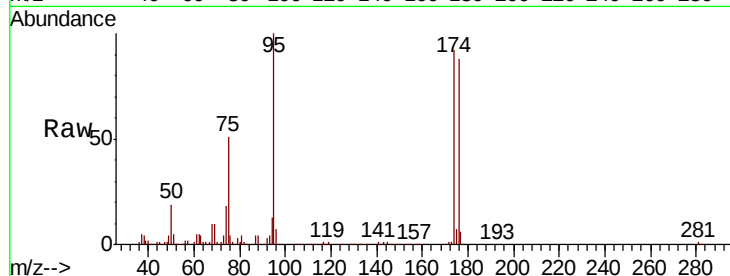
Tot Ion: 95 Resp: 326358

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

176 91.8 0.0 176.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

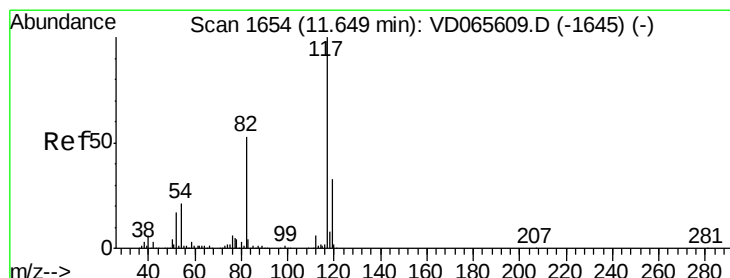
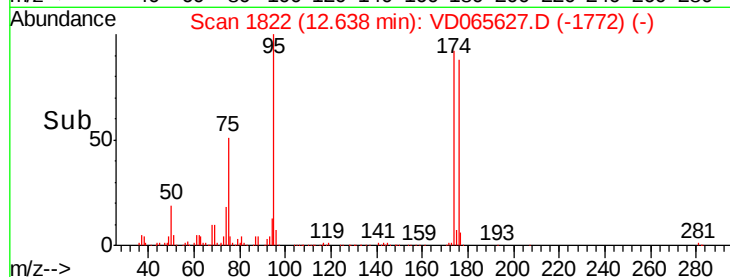
100000

50000

0

12.55 12.60 12.65 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

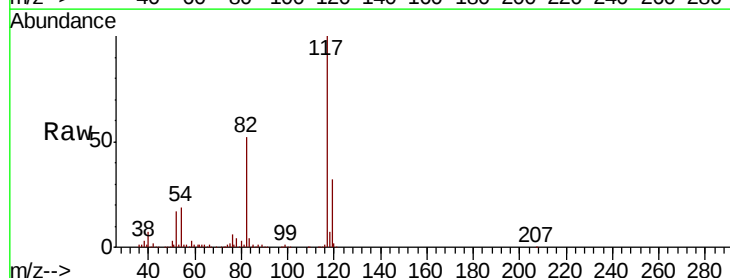
Tgt Ion: 117 Resp: 810163

Ion Ratio Lower Upper

117 100

82 51.8 42.6 64.0

119 32.5 26.7 40.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

600000

500000

400000

300000

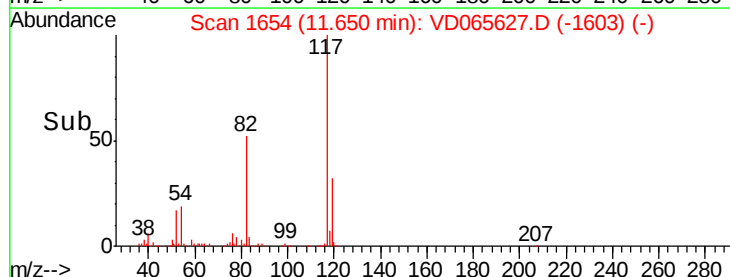
200000

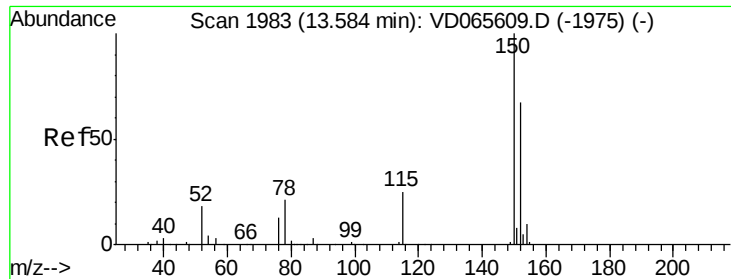
100000

0

11.60 11.70 11.80

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

TP-11

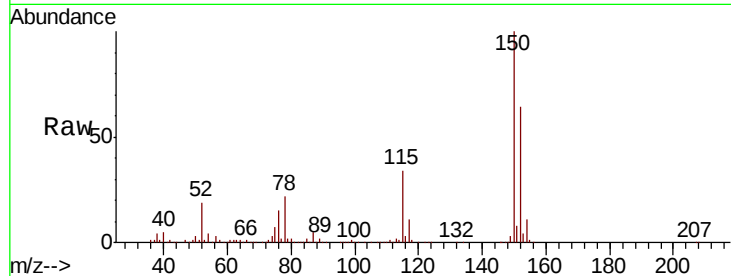
Tot Ion:152 Resp: 361470

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.2

150 156.9 0.0 348.2

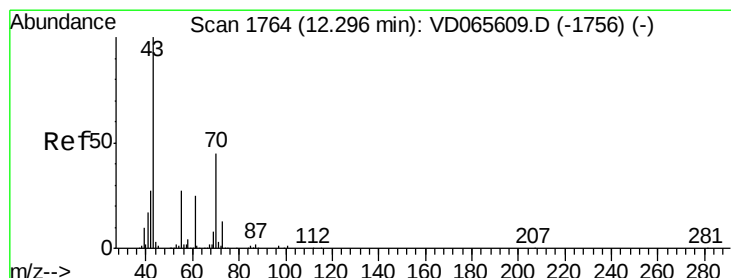
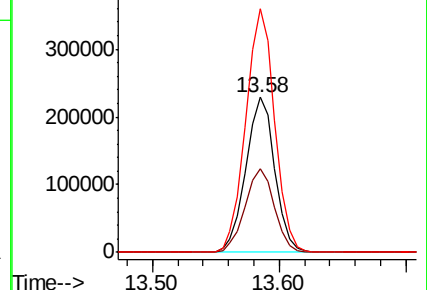
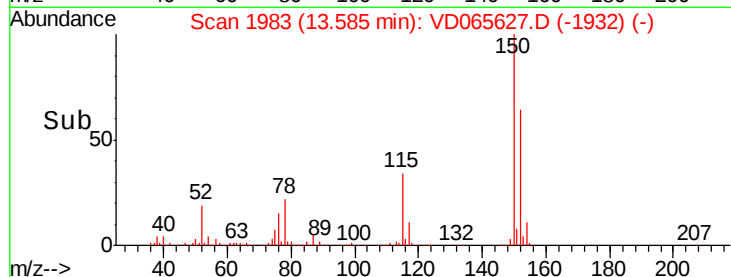


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.991 ug/l

RT: 12.33 min Scan# 1769

Delta R.T. 0.03 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Tgt Ion: 43 Resp: 322

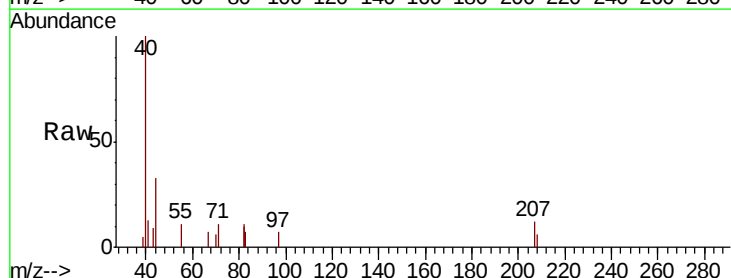
Ion Ratio Lower Upper

43 100

70 108.4 35.2 52.8#

55 116.1 22.5 33.7#

61 0.0 19.4 29.0#



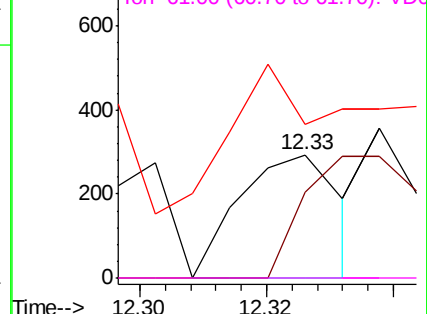
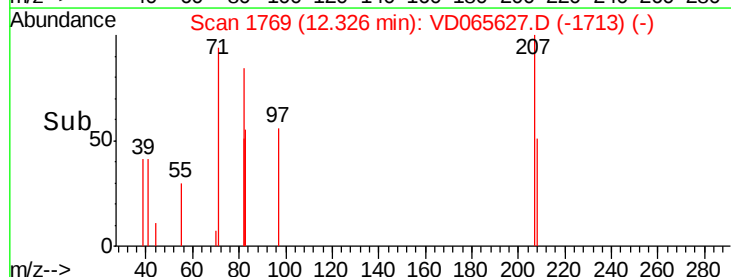
Abundance

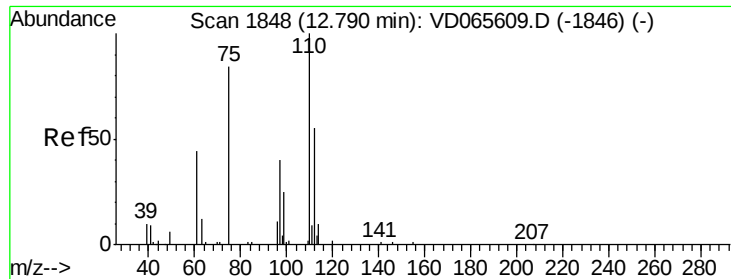
Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

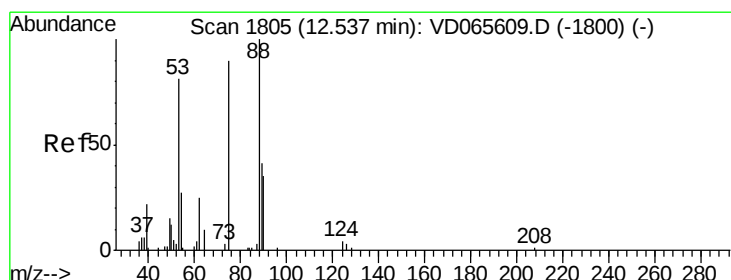
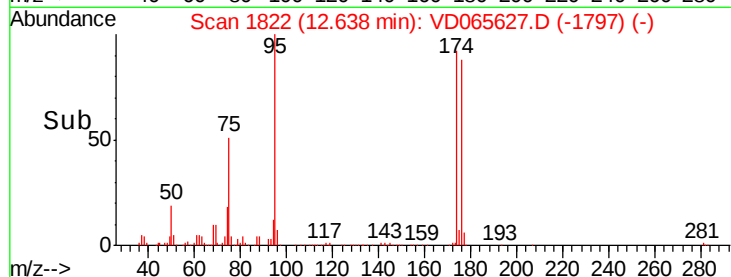
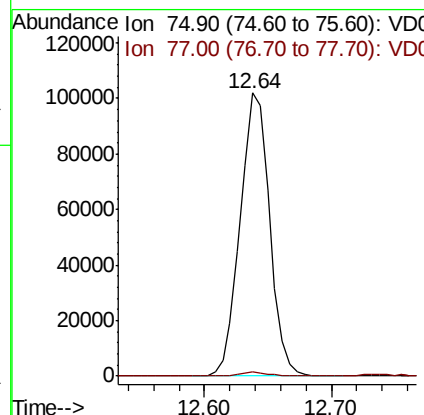
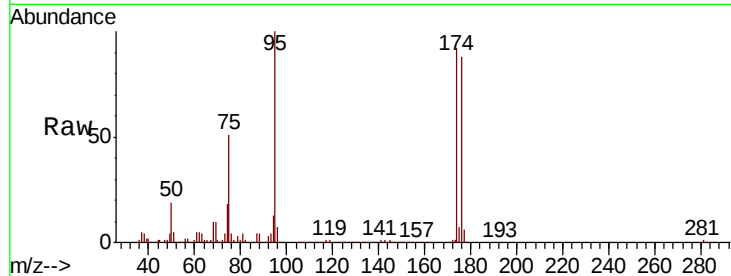




#76
 1,2,3-Trichloropropane
 Concen: 56.655 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065627.D
 Acq: 13 Apr 2020 20:07

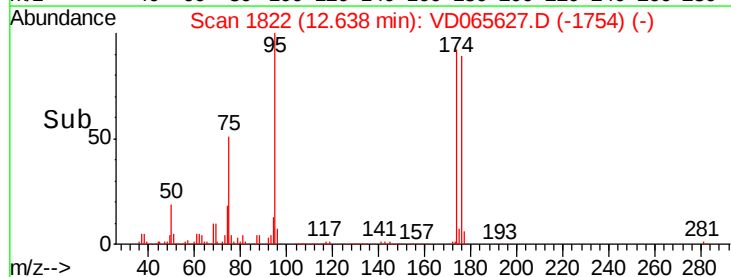
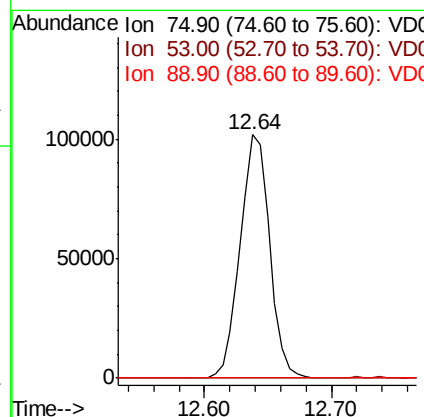
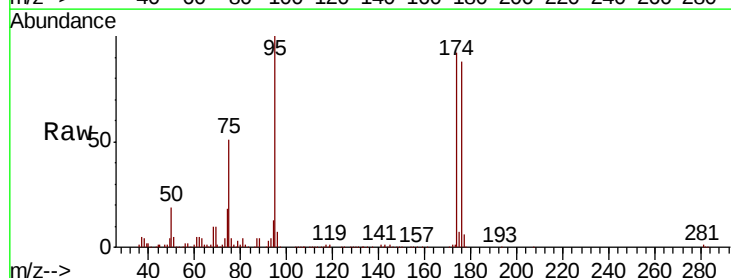
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-11

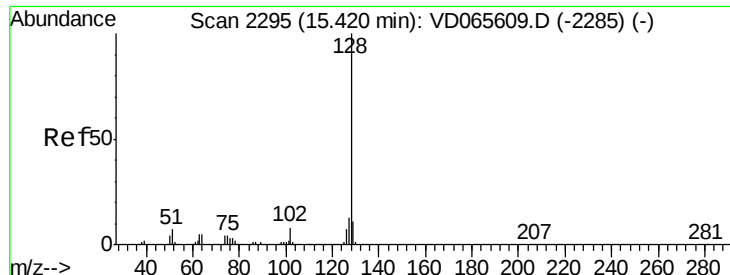
Tot Ion: 75 Resp: 164247
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.234 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065627.D
 Acq: 13 Apr 2020 20:07

Tgt Ion: 75 Resp: 164247
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.8 110.8#
 89 0.0 36.1 54.1#





#95

Naphthalene

Concen: 4.171 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VD065627.D

Acq: 13 Apr 2020 20:07

Instrument :

MSVOA_D

ClientSampleId :

TP-11

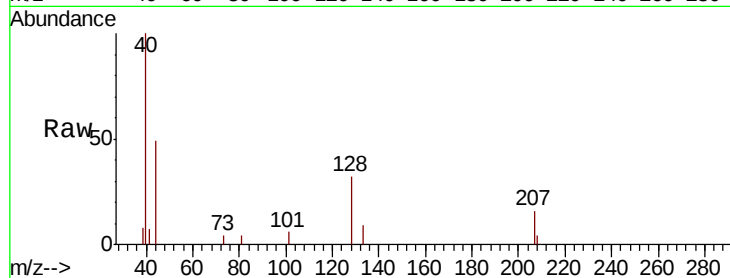
Tot Ion:128 Resp: 2311

Ion Ratio Lower Upper

128 100

127 8.6 10.6 15.8#

129 3.1 8.4 12.6#



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

