

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065622.D
 Acq On : 13 Apr 2020 17:44
 Operator : VA/SY
 Sample : L2229-19
 Misc : 5.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-25

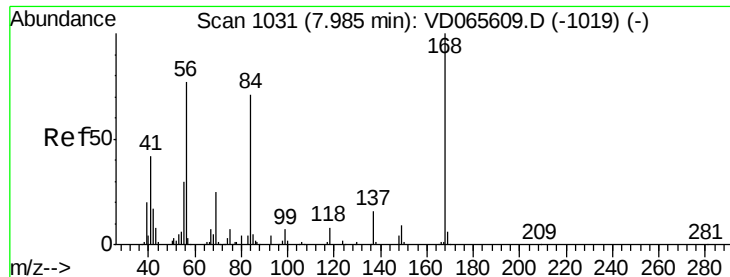
Quant Time: Apr 14 02:13:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	440433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	825923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	796320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	347781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	249999	60.02	ug/l	0.00
Spiked Amount			Recovery	=	120.04%	
35) Dibromofluoromethane	7.92	113	288124	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.34	98	989400	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.64	95	322024	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	63	2.591	ug/l #	41
16) Acetone	4.16	43	48552	64.549	ug/l	94
25) 2-Butanone	7.23	43	13439	13.053	ug/l #	87
27) cis-1,2-Dichloroethene	7.21	96	18719	3.816	ug/l	93
31) Cyclohexane	7.98	56	9703	1.306	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	30832	3.626	ug/l #	47
37) Ethyl Acetate	7.23	43	13439	4.257	ug/l #	1
38) Carbon Tetrachloride	7.98	117	41770	4.524	ug/l #	15
56) Ethyl methacrylate	10.68	69	228	3.352	ug/l #	1
74) N-amyl acetate	12.30	43	300	2.990	ug/l #	57
76) 1,2,3-Trichloropropane	12.64	75	159452	57.166	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	159452	132.418	ug/l #	13
95) Naphthalene	15.41	128	2383	4.184	ug/l #	78

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampled :

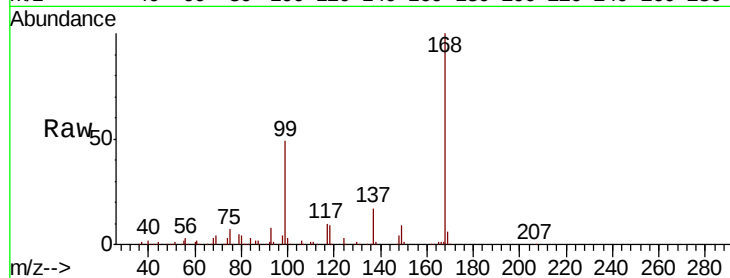
TP-25

Tot Ion:168 Resp: 440433

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

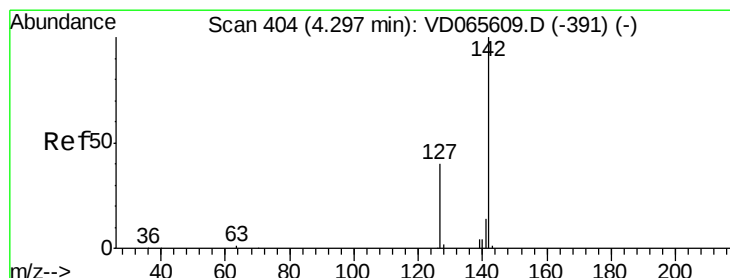
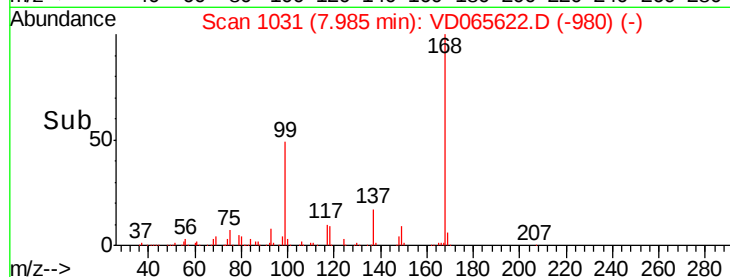
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.591 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

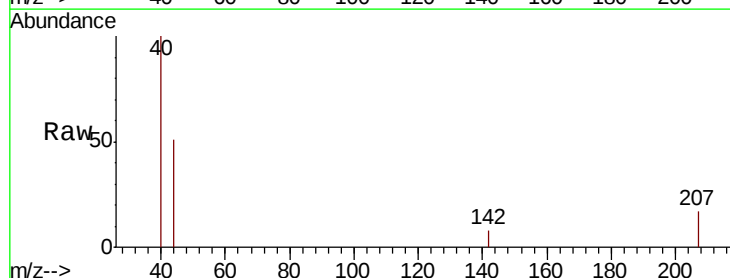
Tgt Ion:142 Resp: 63

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

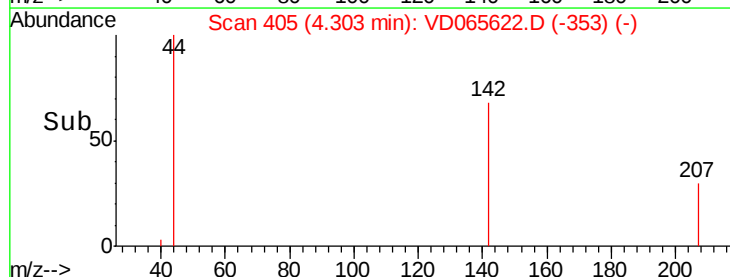
150

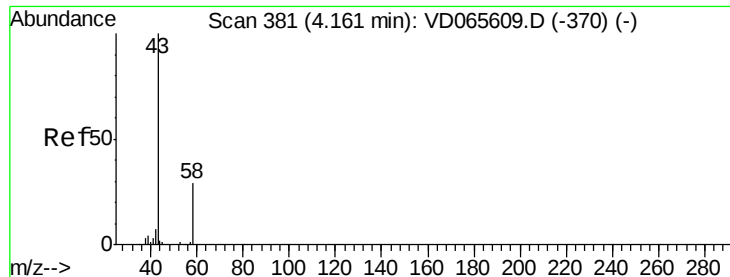
100

50

0

Time-->





#16

Acetone

Concen: 64.549 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

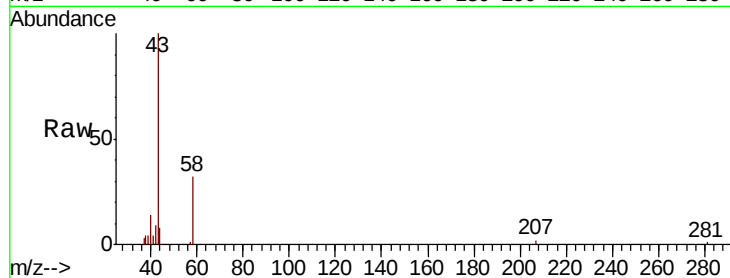
TP-25

Tot Ion: 43 Resp: 48552

Ion Ratio Lower Upper

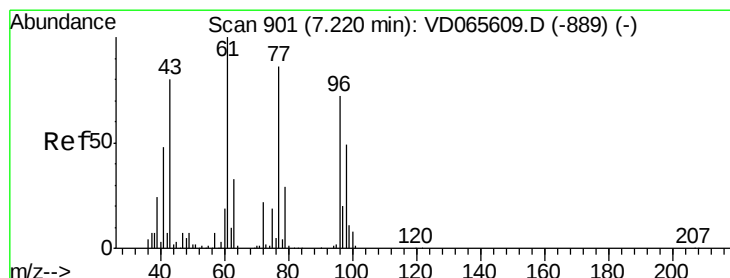
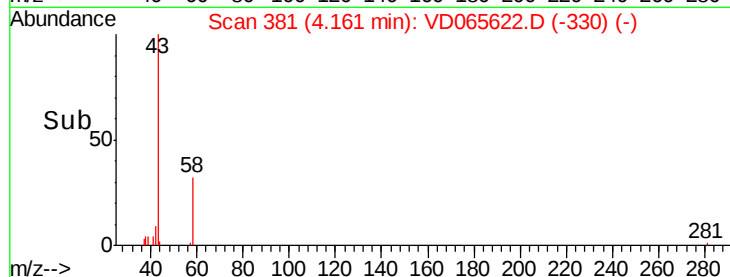
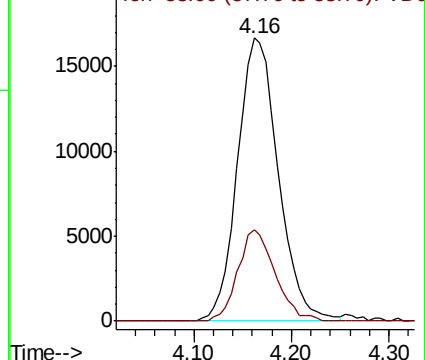
43 100

58 32.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#25

2-Butanone

Concen: 13.053 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD065622.D

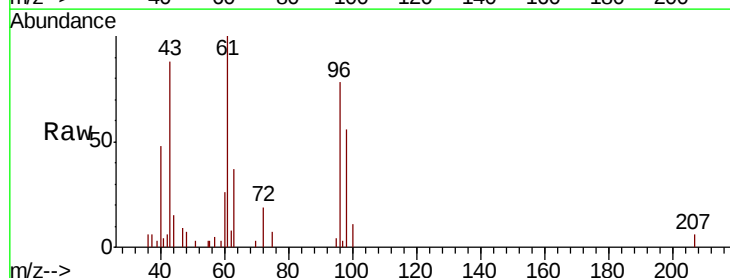
Acq: 13 Apr 2020 17:44

Tgt Ion: 43 Resp: 13439

Ion Ratio Lower Upper

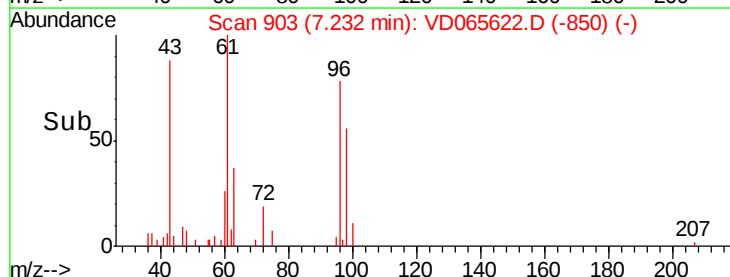
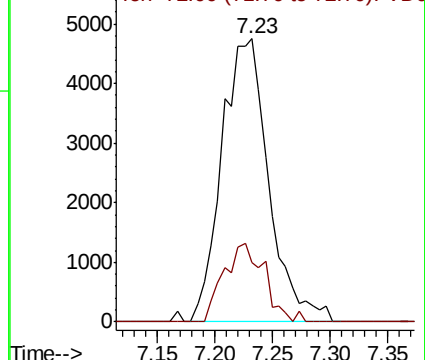
43 100

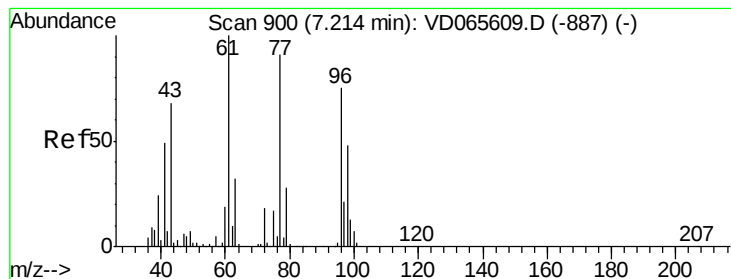
72 21.1 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#27

cis-1,2-Dichloroethene

Concen: 3.816 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

TP-25

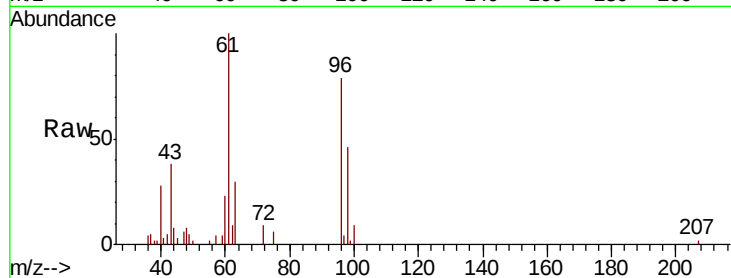
Tot Ion: 96 Resp: 18719

Ion Ratio Lower Upper

96 100

61 129.1 0.0 279.0

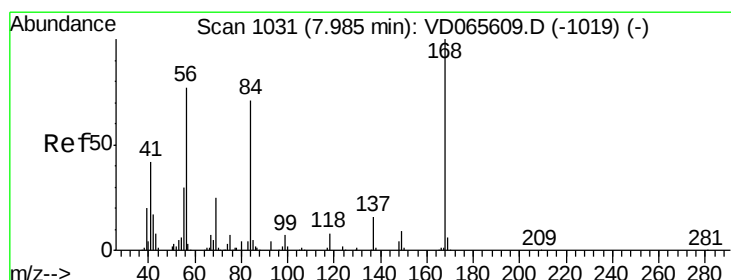
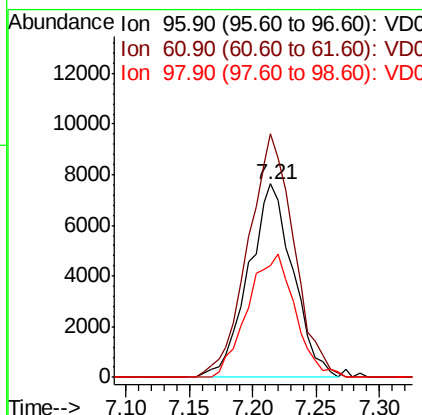
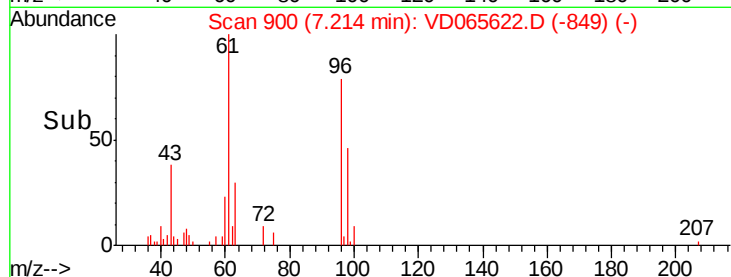
98 67.6 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

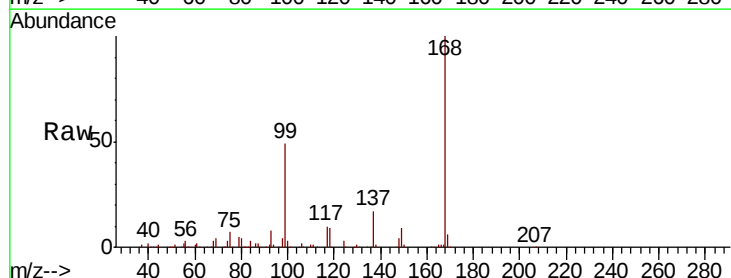
Tgt Ion: 56 Resp: 9703

Ion Ratio Lower Upper

56 100

69 140.4 26.2 39.4#

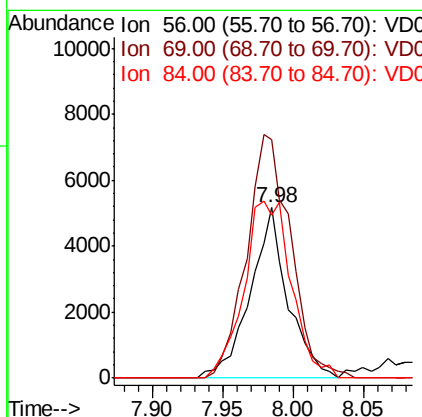
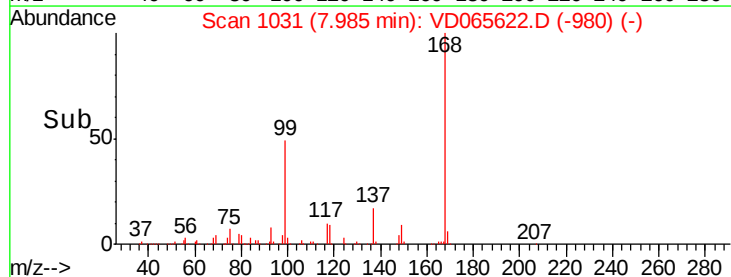
84 95.8 73.7 110.5

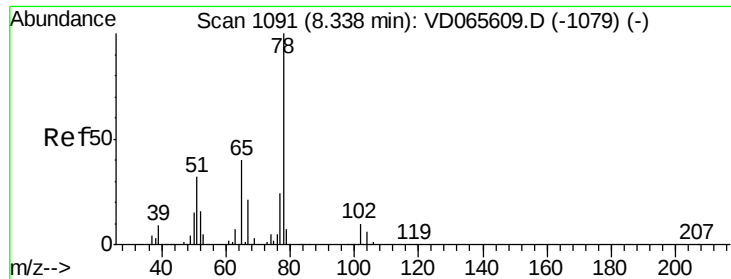


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

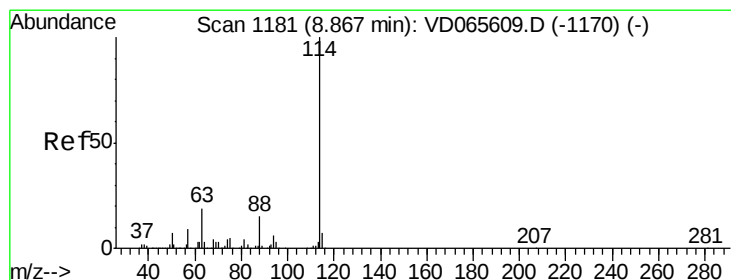
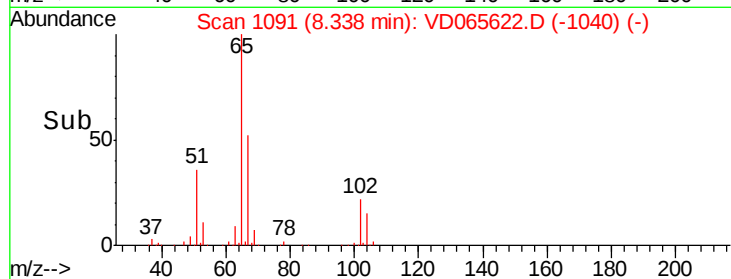
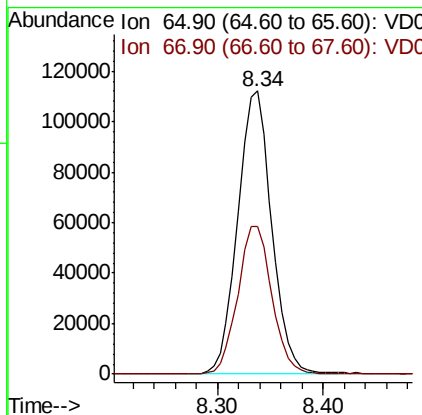
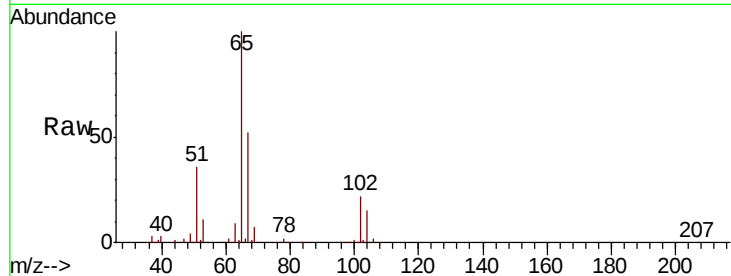




#33
 1,2-Dichloroethane-d4
 Concen: 60.018 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065622.D
 Acq: 13 Apr 2020 17:44

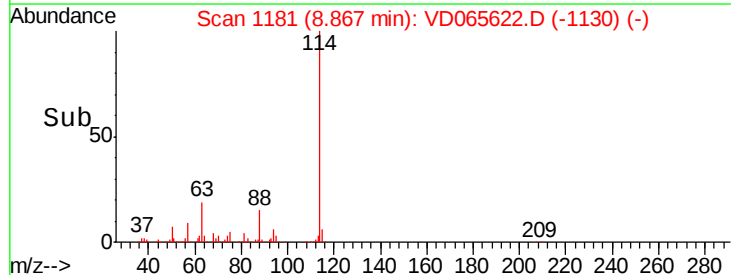
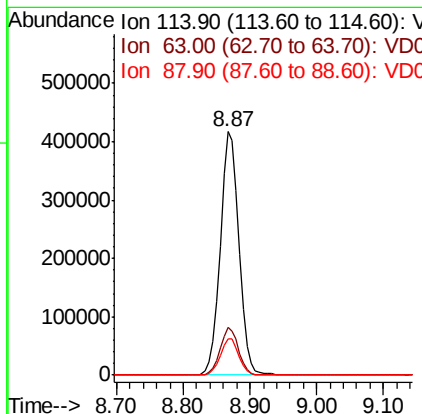
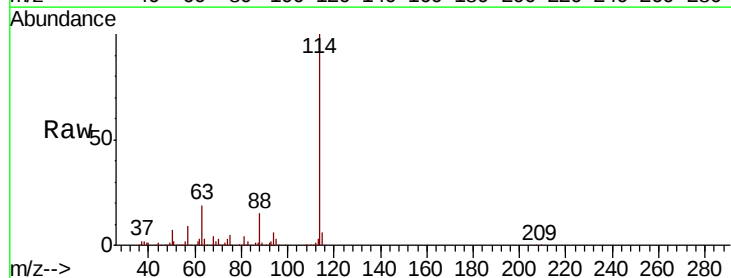
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-25

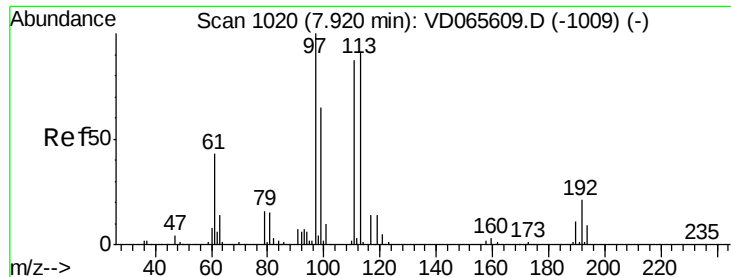
Tot Ion: 65 Resp: 249999
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065622.D
 Acq: 13 Apr 2020 17:44

Tgt Ion: 114 Resp: 825923
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.2
 88 14.7 0.0 29.6

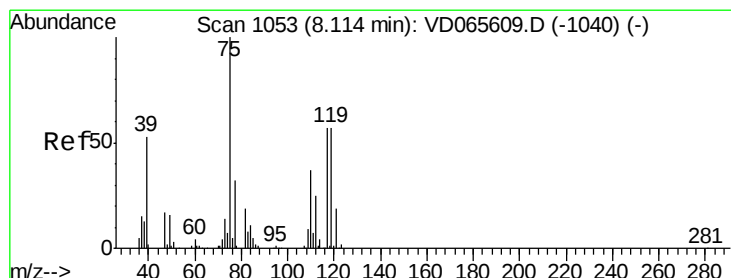
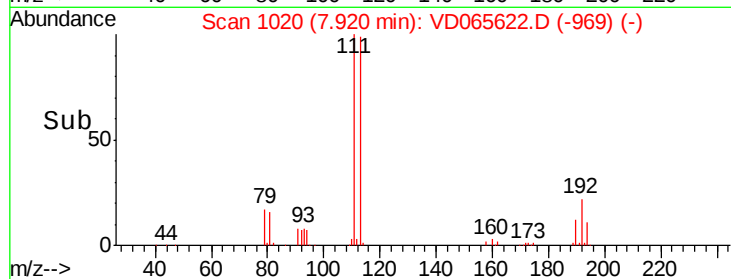
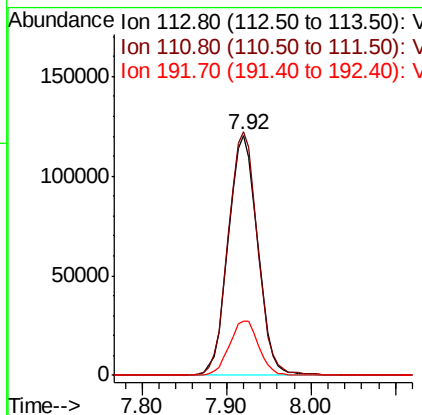
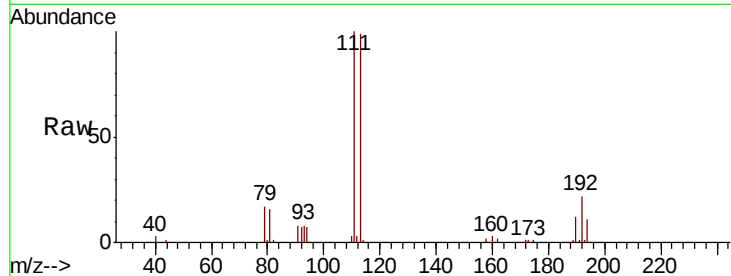




#35
 Dibromofluoromethane
 Concen: 49.934 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065622.D
 Acq: 13 Apr 2020 17:44

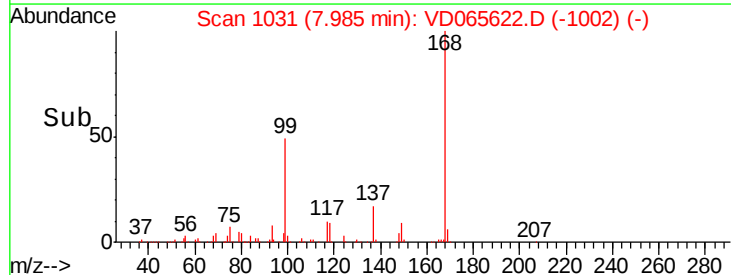
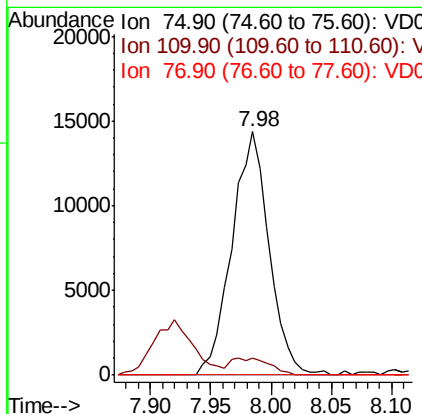
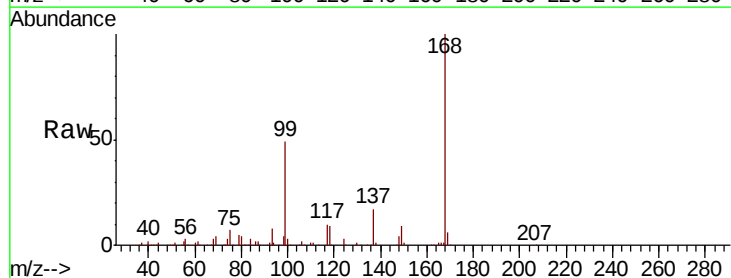
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-25

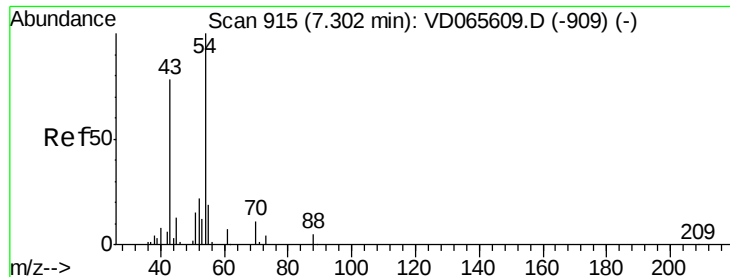
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.6	120.8
192	22.8	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 3.626 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065622.D
 Acq: 13 Apr 2020 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.3	54.9#
77	0.0	25.0	37.6#

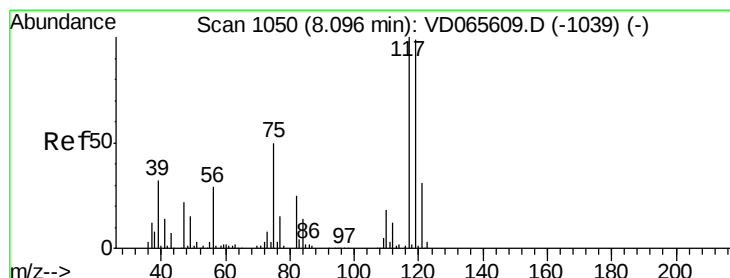
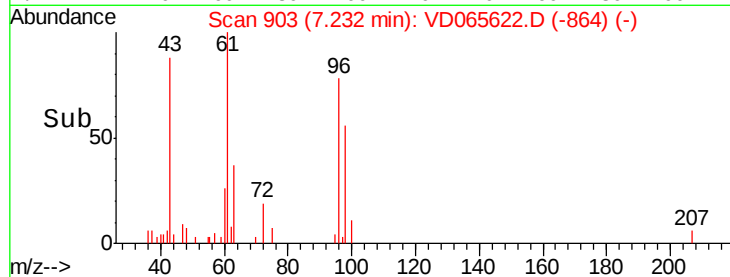
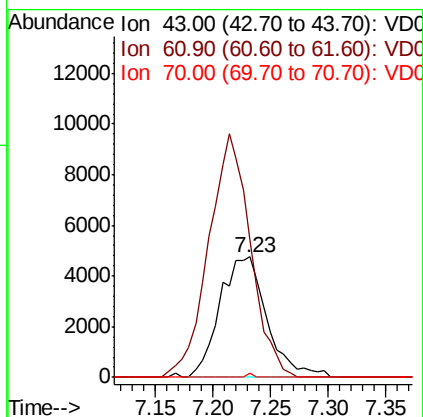
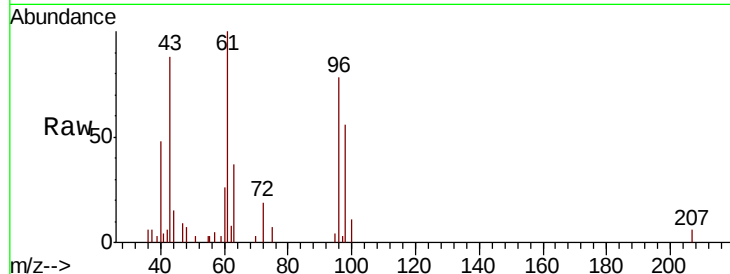




#37
Ethyl Acetate
Concen: 4.257 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.07 min
Lab File: VD065622.D
Acq: 13 Apr 2020 17:44

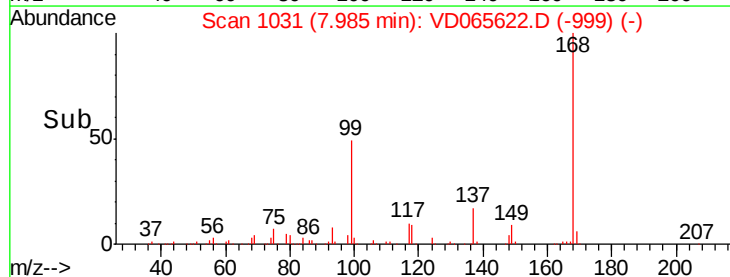
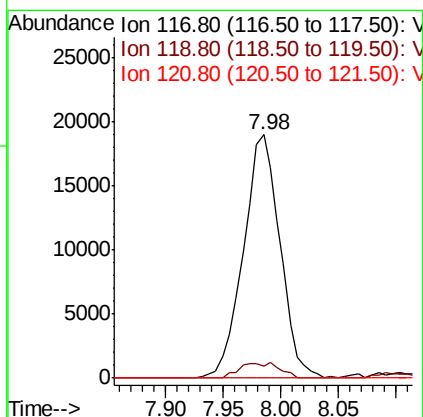
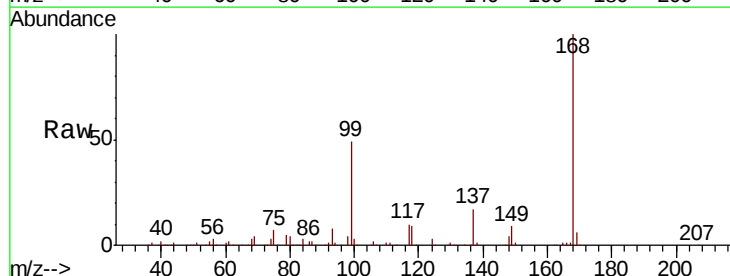
Instrument :
MSVOA_D
ClientSampleID :
TP-25

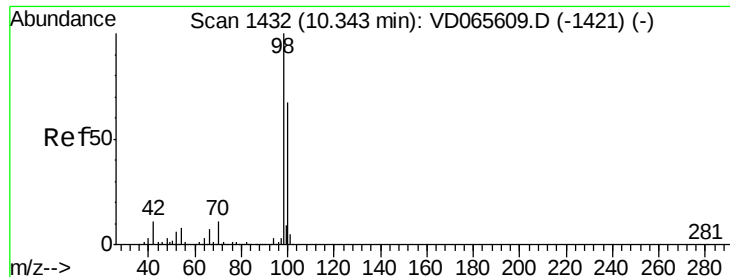
Tot Ion: 43 Resp: 13439
Ion Ratio Lower Upper
43 100
61 179.8 11.3 16.9#
70 0.4 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 4.524 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065622.D
Acq: 13 Apr 2020 17:44

Tgt Ion: 117 Resp: 41770
Ion Ratio Lower Upper
117 100
119 5.1 78.9 118.3#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 46.956 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

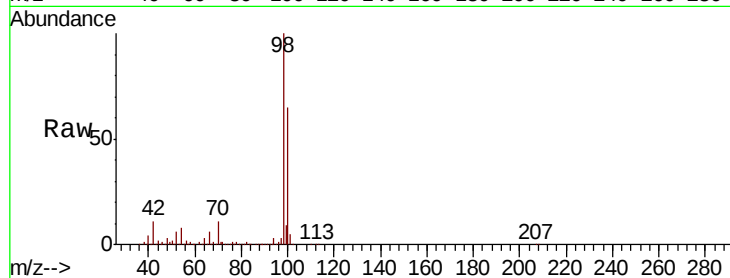
TP-25

Tot Ion: 98 Resp: 989400

Ion Ratio Lower Upper

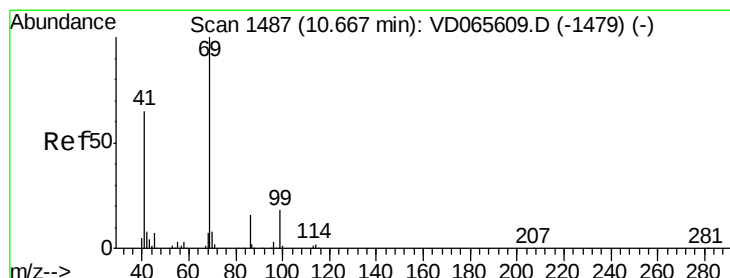
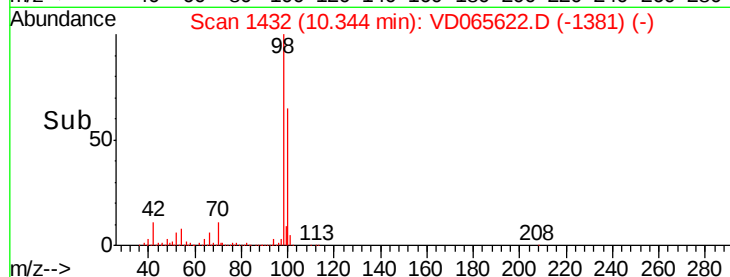
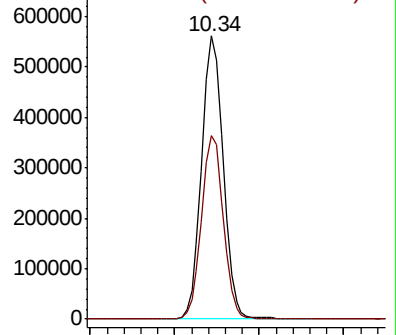
98 100

100 65.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#56

Ethyl methacrylate

Concen: 3.352 ug/l

RT: 10.68 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

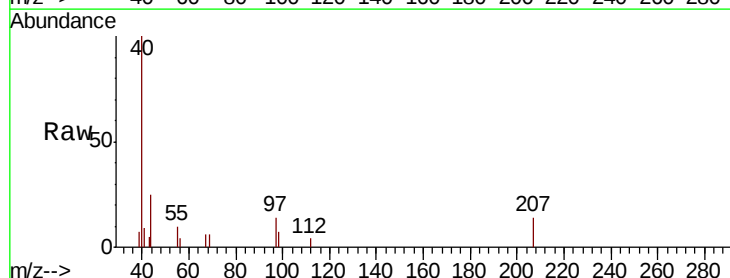
Tgt Ion: 69 Resp: 228

Ion Ratio Lower Upper

69 100

41 319.7 54.4 81.6#

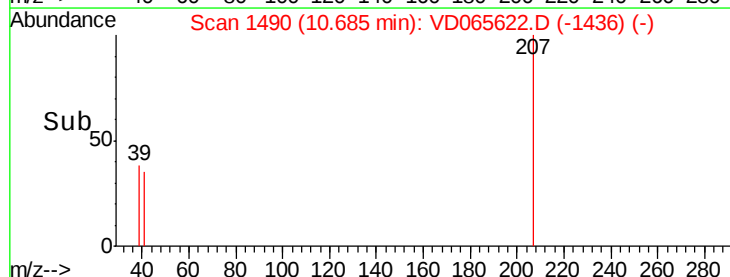
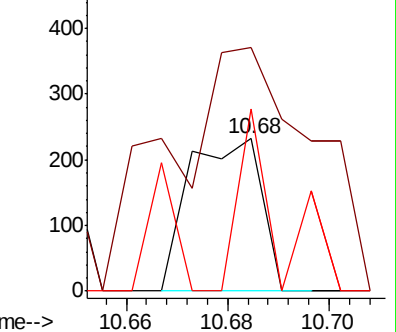
39 66.7 26.5 39.7#

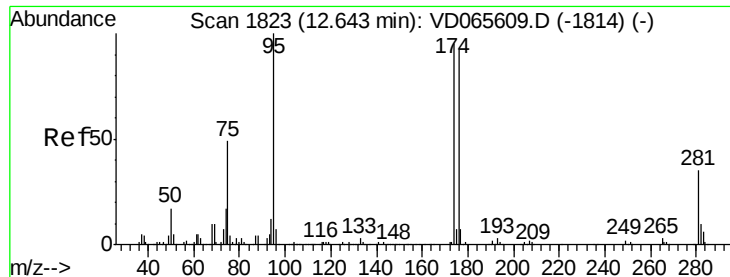


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#62

4-Bromofluorobenzene

Concen: 47.559 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampled :

TP-25

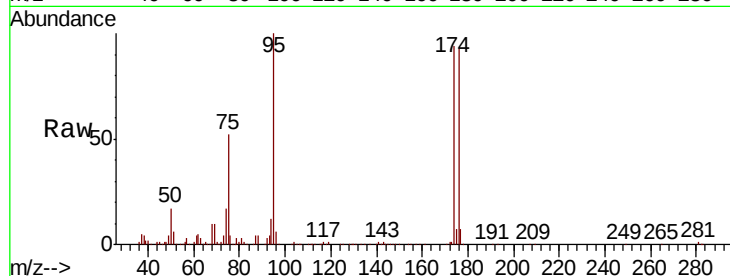
Tot Ion: 95 Resp: 322024

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

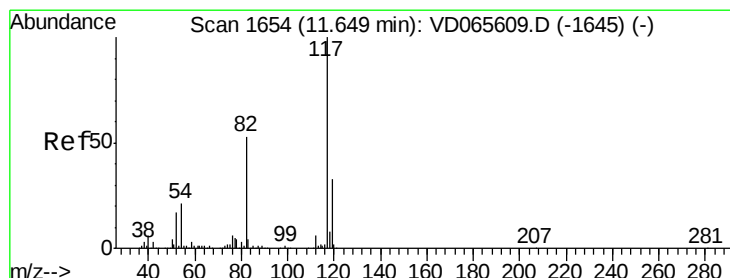
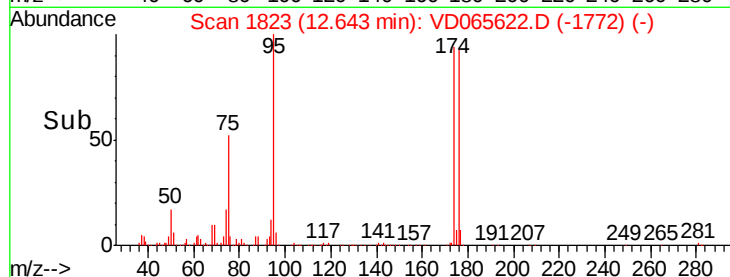
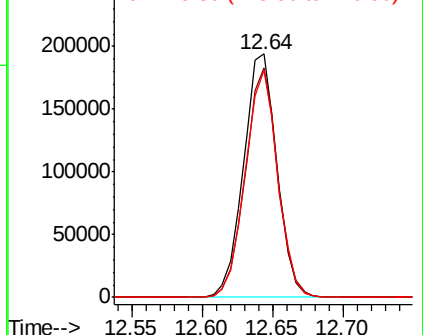
176 90.5 0.0 176.6



Abundance Ion 94.90 (94.60 to 95.60): VD

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

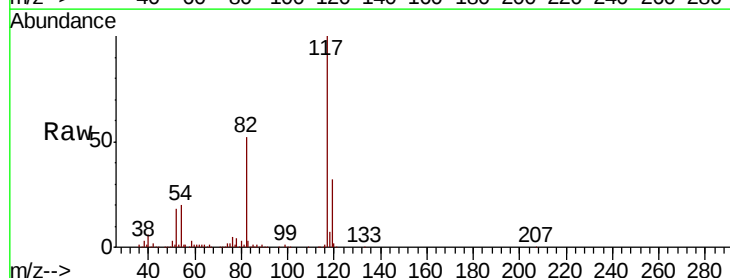
Tgt Ion: 117 Resp: 796320

Ion Ratio Lower Upper

117 100

82 52.0 42.6 64.0

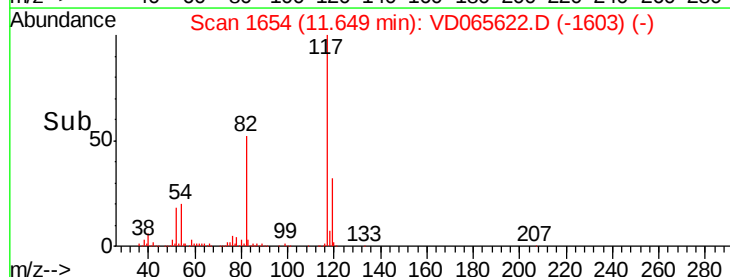
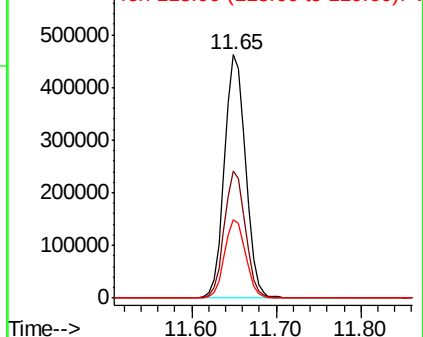
119 32.3 26.7 40.1

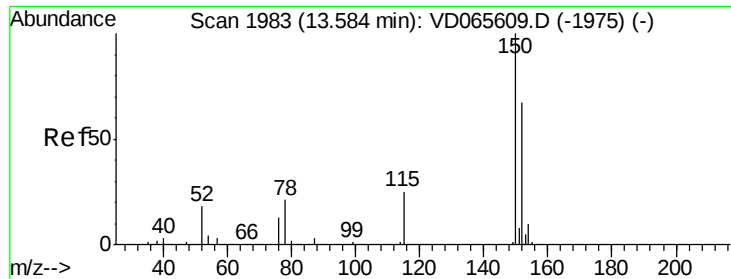


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V



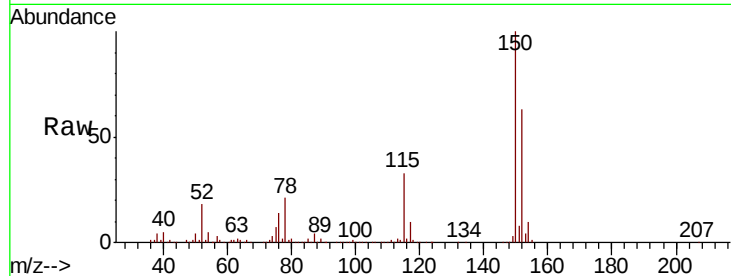


#72

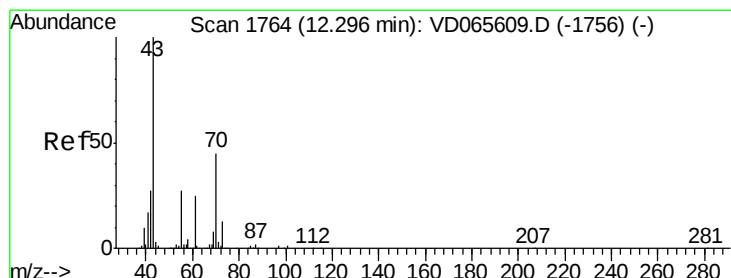
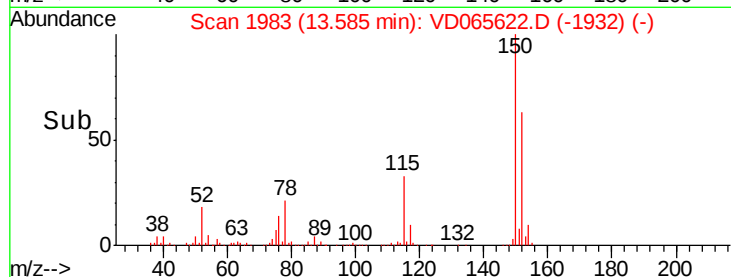
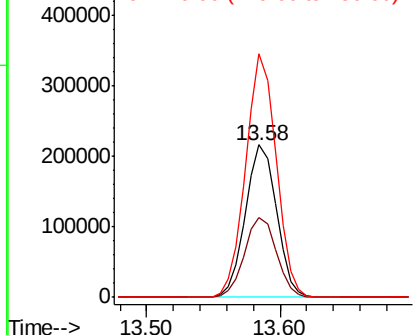
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065622.D
Acq: 13 Apr 2020 17:44

Instrument :
MSVOA_D
ClientSampled :
TP-25

Tot Ion:152 Resp: 347781
Ion Ratio Lower Upper
152 100
115 53.8 27.1 81.2
150 156.6 0.0 348.2



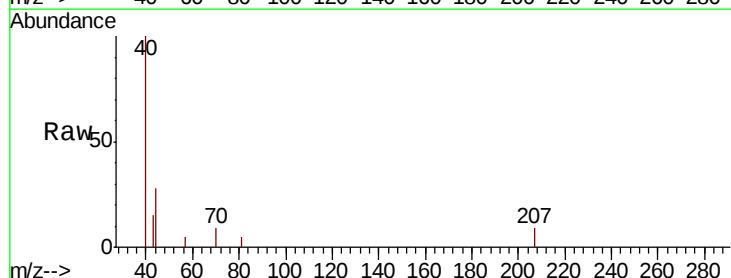
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



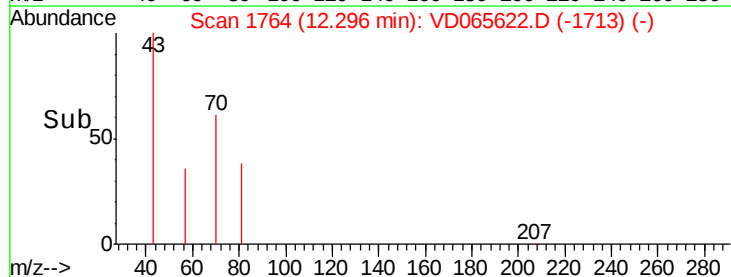
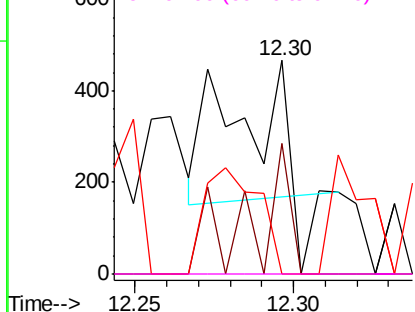
#74

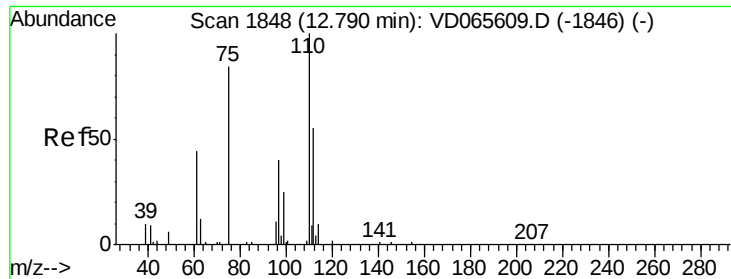
N-ethyl acetate
Concen: 2.990 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065622.D
Acq: 13 Apr 2020 17:44

Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
70 55.0 35.2 52.8#
55 69.0 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: 57.166 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

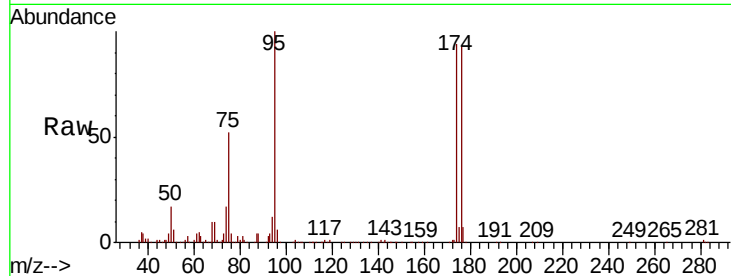
TP-25

Tot Ion: 75 Resp: 159452

Ion Ratio Lower Upper

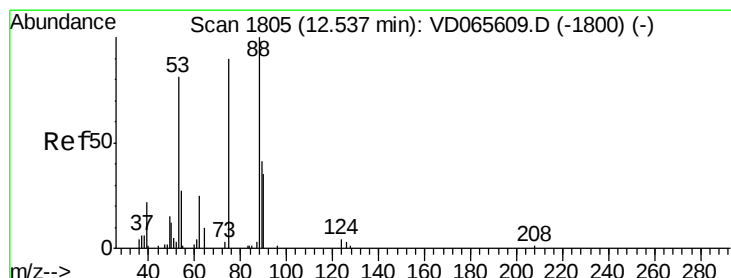
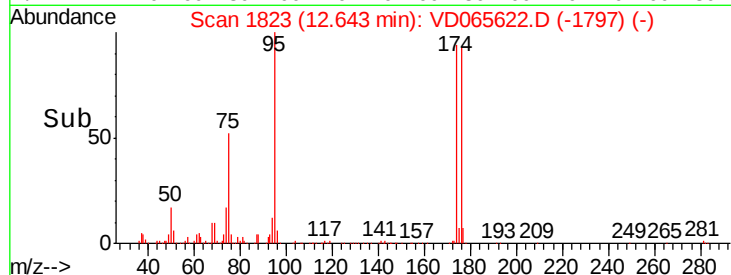
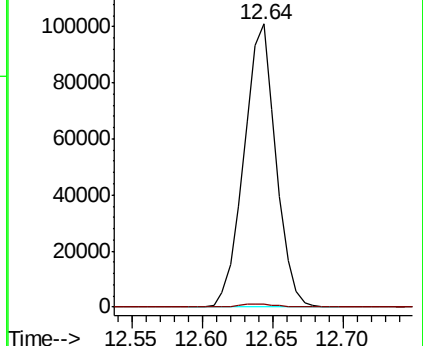
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 132.418 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

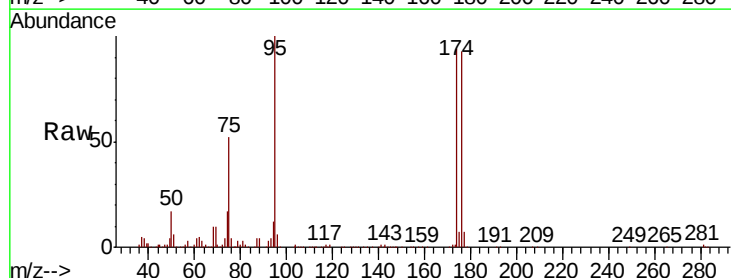
Tgt Ion: 75 Resp: 159452

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.8#

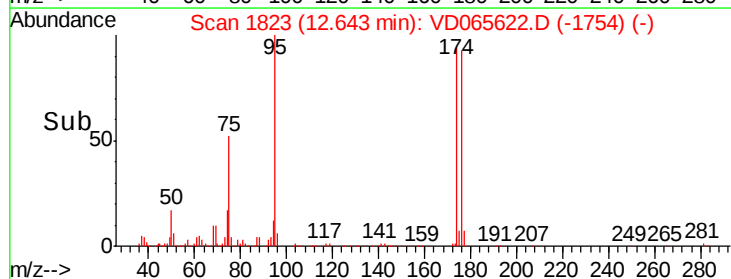
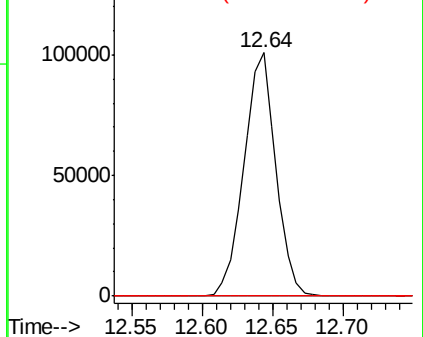
89 0.0 36.1 54.1#

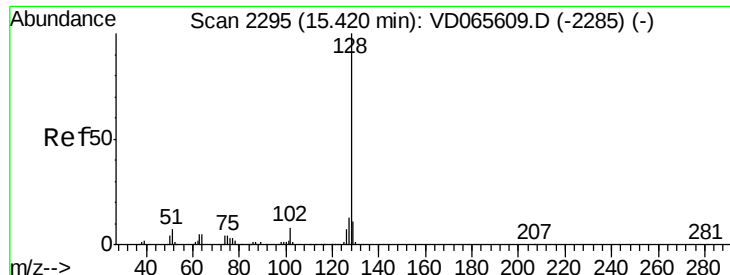


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.184 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065622.D

Acq: 13 Apr 2020 17:44

Instrument :

MSVOA_D

ClientSampleId :

TP-25

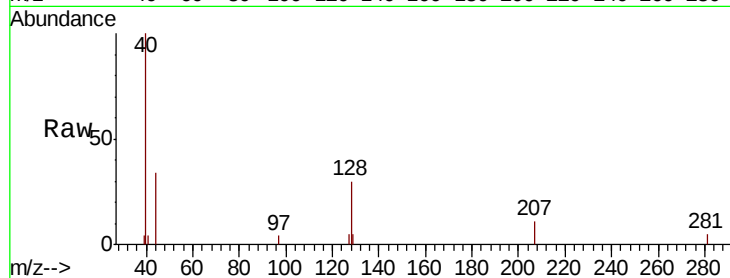
Tot Ion:128 Resp: 2383

Ion Ratio Lower Upper

128 100

127 2.5 10.6 15.8#

129 16.3 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

