

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065630.D
 Acq On : 13 Apr 2020 21:33
 Operator : VA/SY
 Sample : L2230-23
 Misc : 6.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12-B

Quant Time: Apr 14 02:15:05 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	365563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	788728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337640	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	236924	68.53	ug/l	0.00
Spiked Amount			Recovery	=	137.06%	
35) Dibromofluoromethane	7.92	113	281134	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.34	98	997116	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.64	95	311952	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

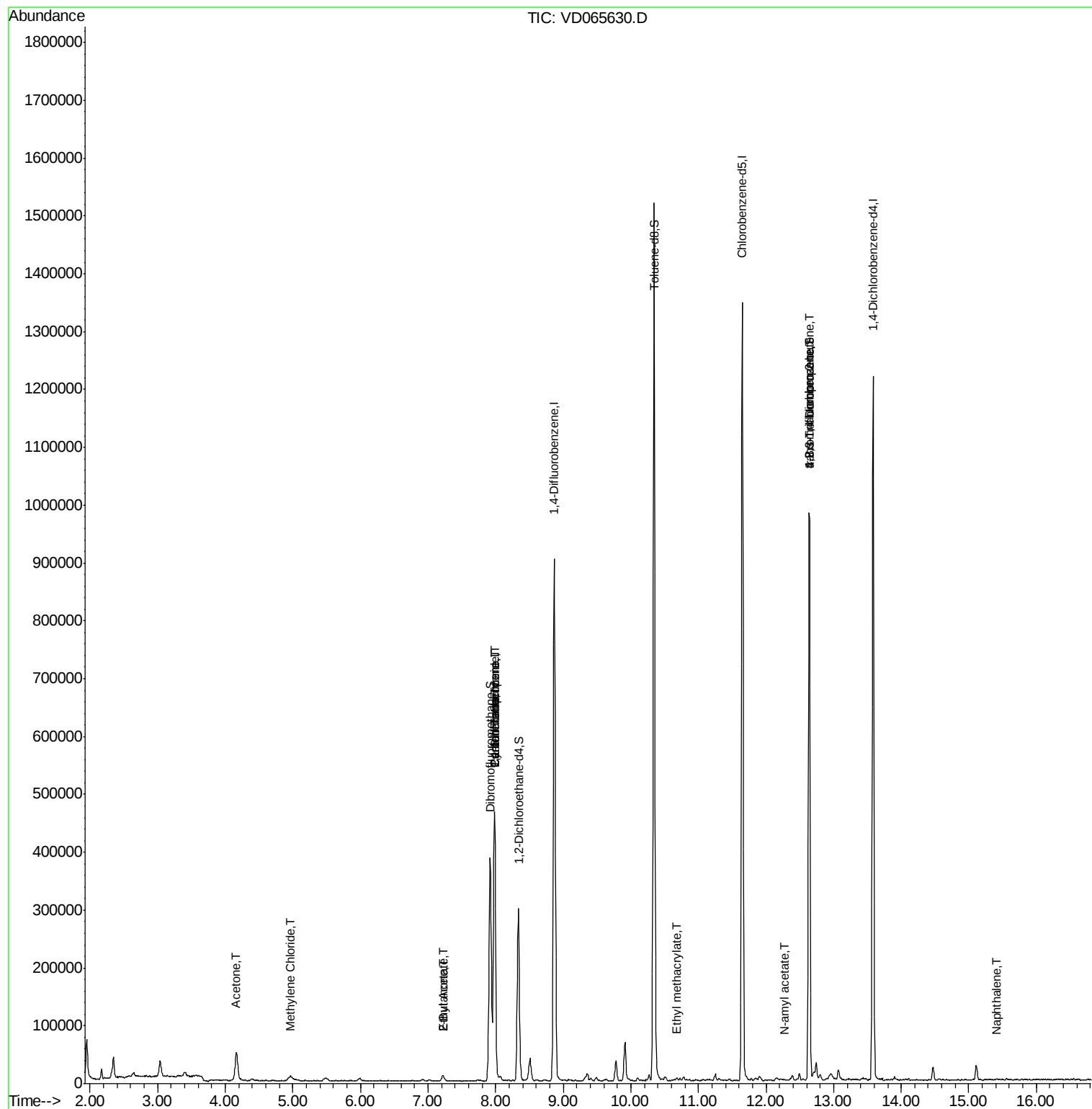
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	87892	140.783	ug/l #	89
20) Methylene Chloride	4.96	84	5469	1.325	ug/l #	82
25) 2-Butanone	7.23	43	10862	12.711	ug/l	96
31) Cyclohexane	7.98	56	8379	1.359	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	25563	3.225	ug/l #	48
37) Ethyl Acetate	7.23	43	10862	3.691	ug/l #	70
38) Carbon Tetrachloride	7.98	117	33361	3.876	ug/l #	16
56) Ethyl methacrylate	10.68	69	434	3.394	ug/l #	1
74) N-amyl acetate	12.28	43	652	3.059	ug/l #	49
76) 1,2,3-Trichloropropane	12.64	75	156265	57.706	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	156265	133.669	ug/l #	13
95) Naphthalene	15.41	128	1183	4.090	ug/l #	69

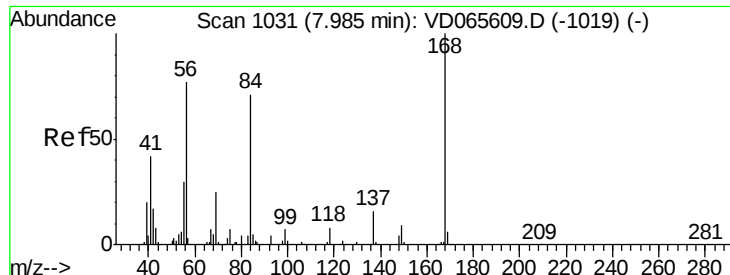
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

Instrument :

MSVOA_D

ClientSampleId :

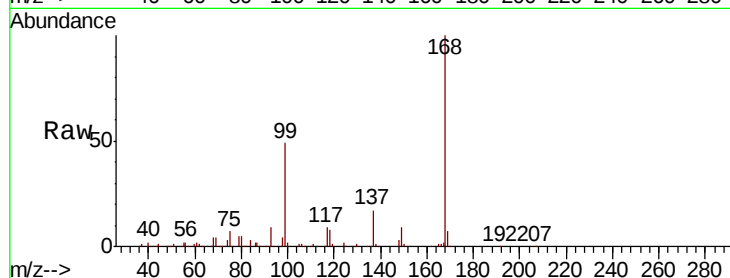
TP-12-B

Tot Ion:168 Resp: 365563

Ion Ratio Lower Upper

168 100

99 49.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

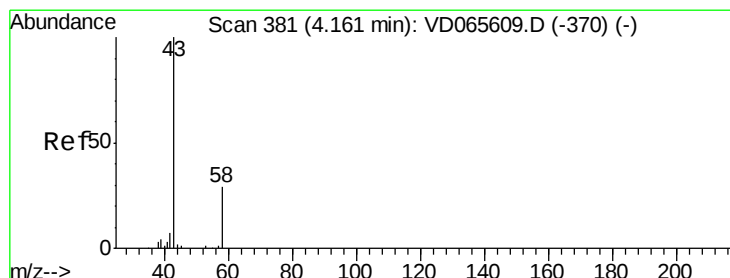
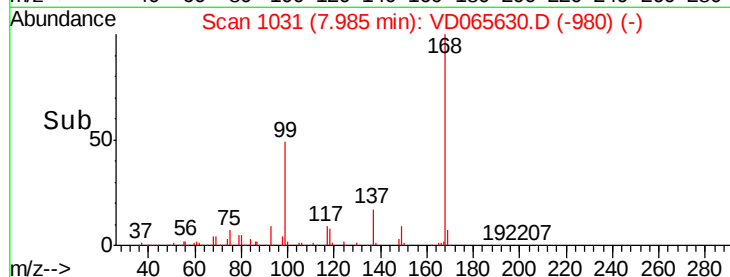
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 140.783 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065630.D

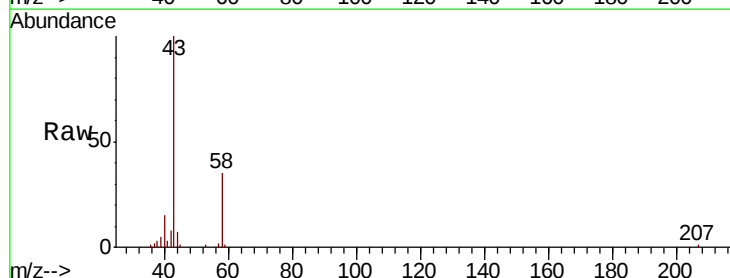
Acq: 13 Apr 2020 21:33

Tgt Ion: 43 Resp: 87892

Ion Ratio Lower Upper

43 100

58 34.9 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

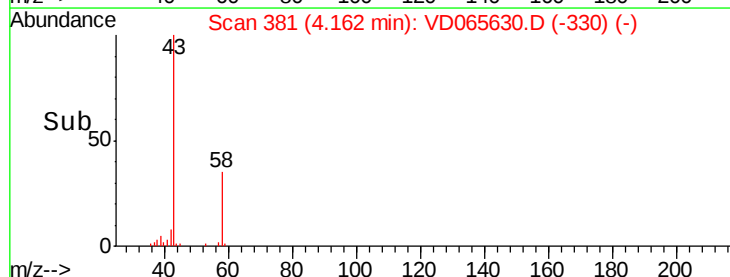
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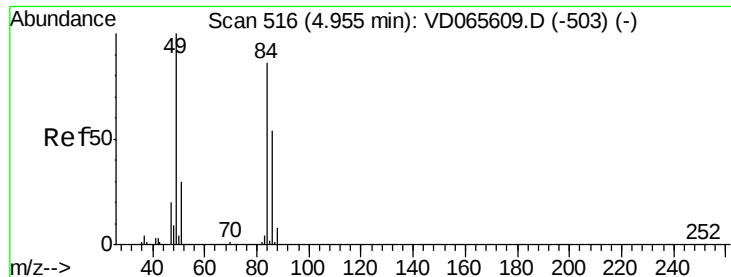
20000

10000

0

Time-->

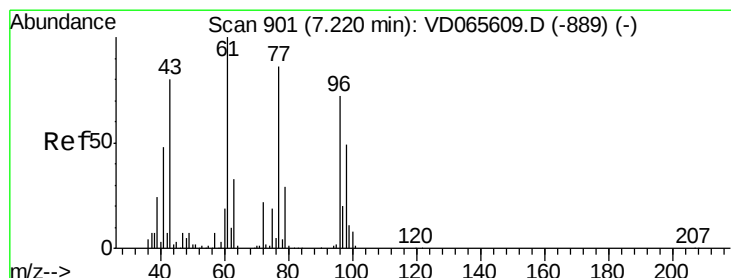
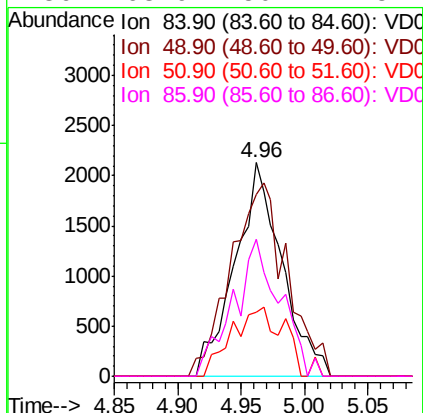
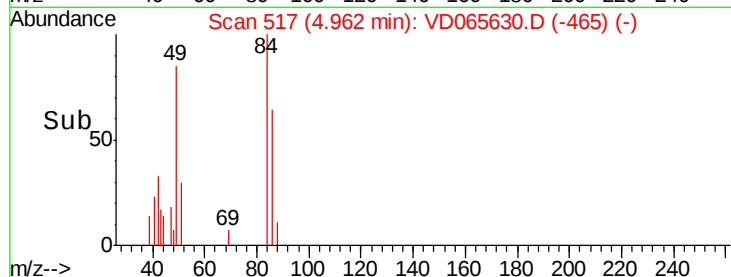
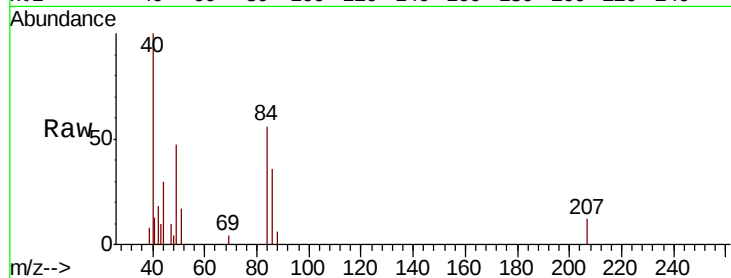




#20
Methylene Chloride
Concen: 1.325 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

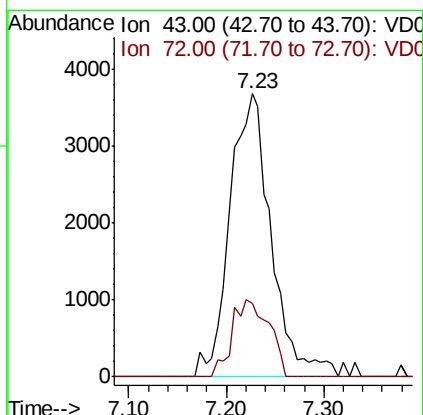
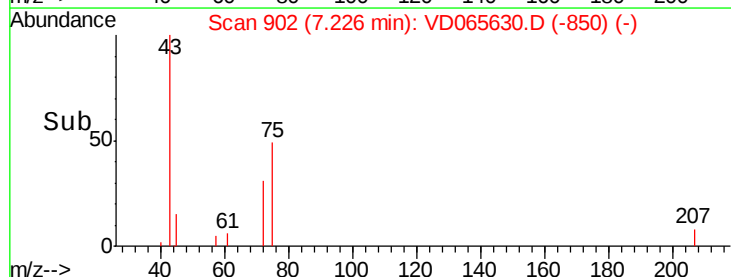
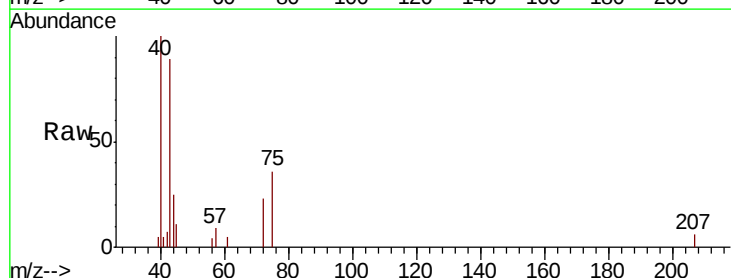
Instrument :
MSVOA_D
ClientSampleId :
TP-12-B

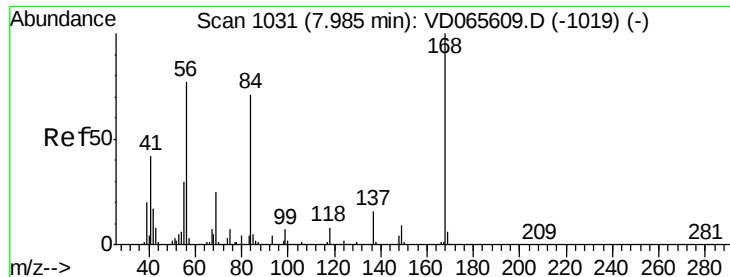
Tot Ion: 84 Resp: 5469
Ion Ratio Lower Upper
84 100
49 84.9 93.4 140.2#
51 29.8 28.5 42.7
86 63.9 50.2 75.4



#25
2-Butanone
Concen: 12.711 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

Tgt Ion: 43 Resp: 10862
Ion Ratio Lower Upper
43 100
72 26.0 22.5 33.7

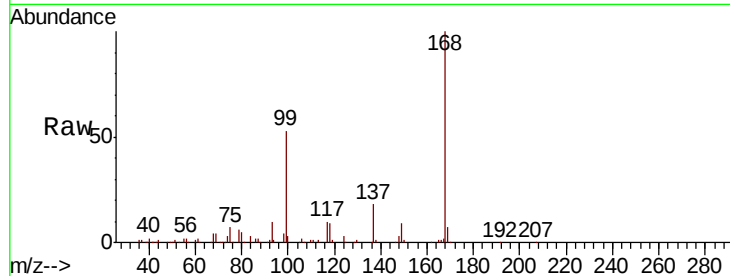




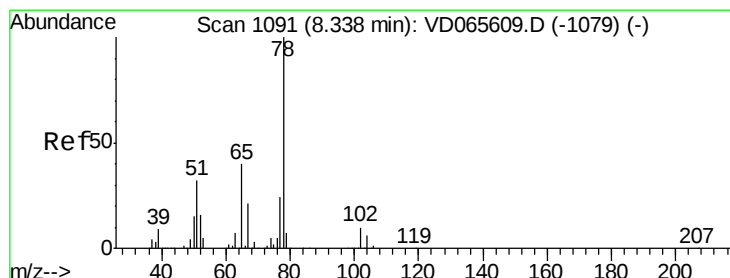
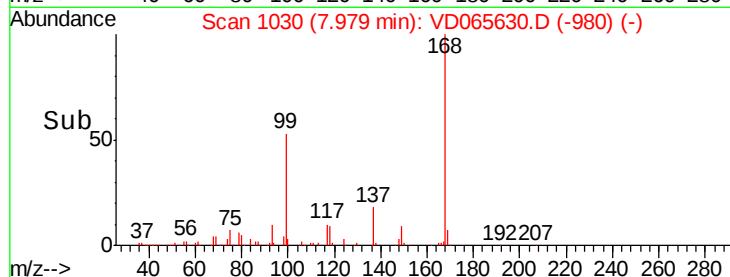
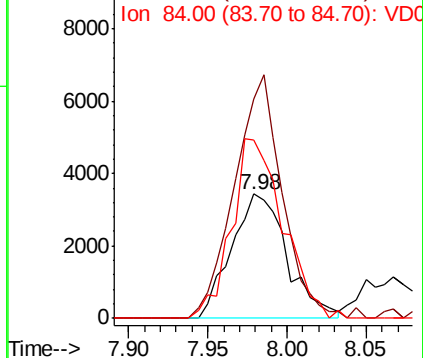
#31
Cyclohexane
Concen: 1.359 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

Instrument :
MSVOA_D
ClientSampled :
TP-12-B

Tot Ion: 56 Resp: 8379
Ion Ratio Lower Upper
56 100
69 176.0 26.2 39.4#
84 143.0 73.7 110.5#

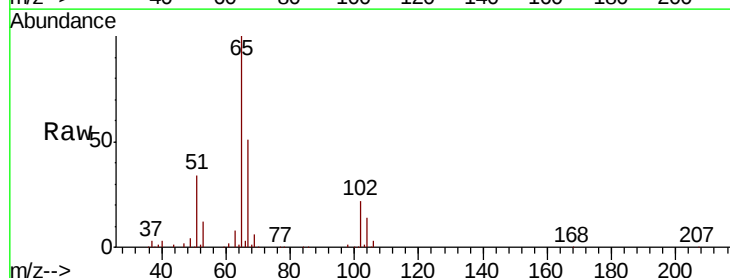


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

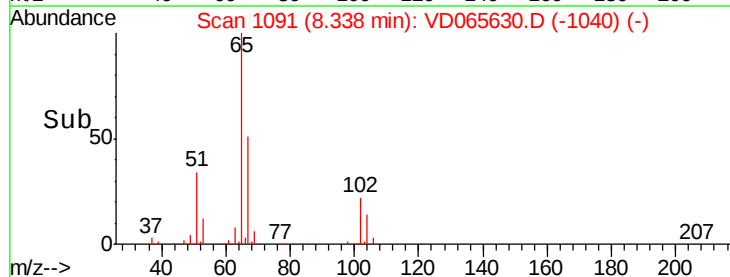
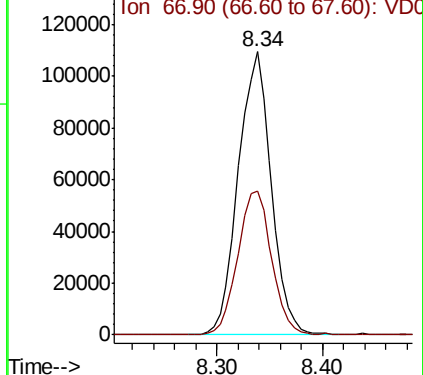


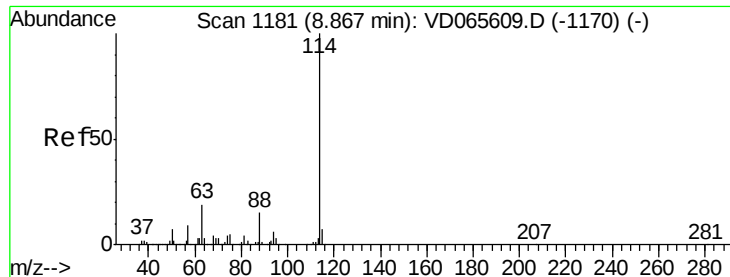
#33
1,2-Dichloroethane-d4
Concen: 68.528 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

Tgt Ion: 65 Resp: 236924
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.6



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

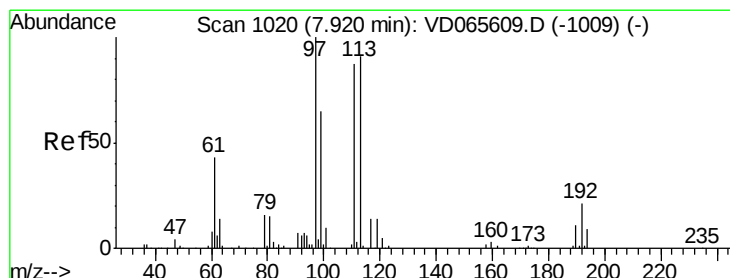
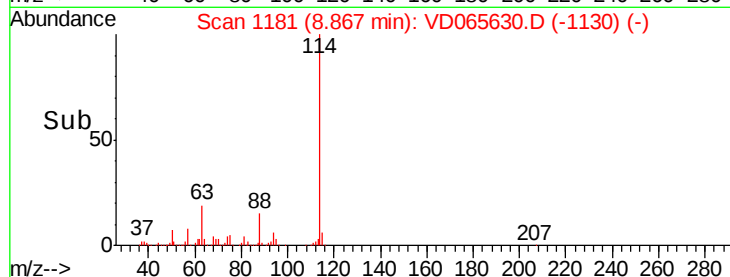
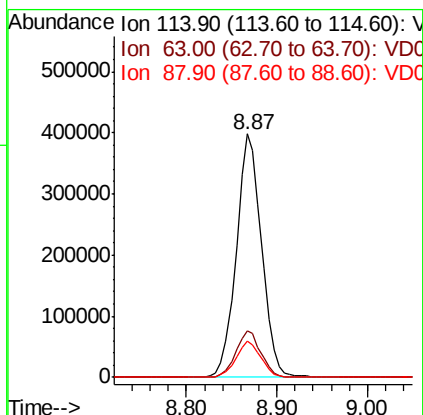
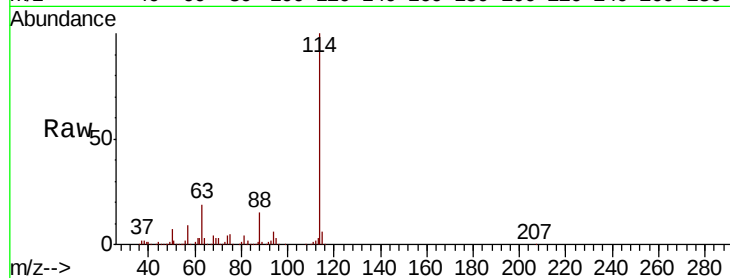




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065630.D
 Acq: 13 Apr 2020 21:33

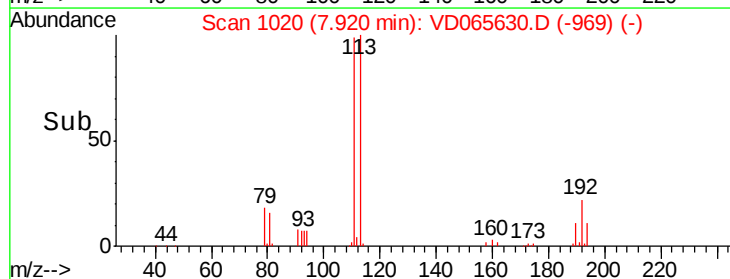
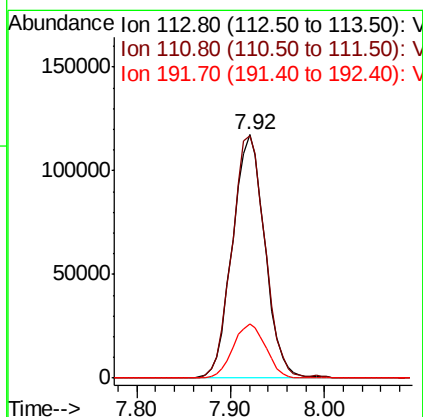
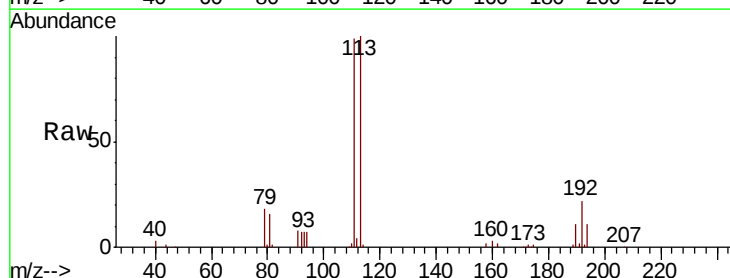
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12-B

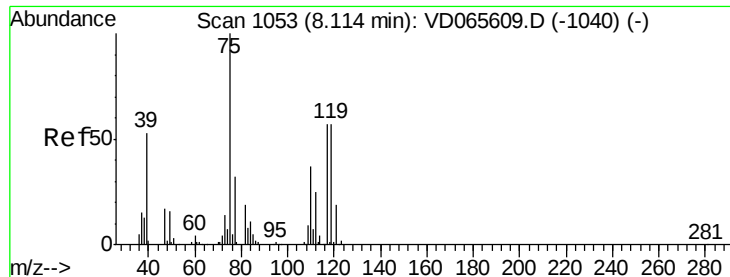
Tot Ion:114 Resp: 769836
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.2
 88 14.9 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 52.272 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065630.D
 Acq: 13 Apr 2020 21:33

Tgt Ion:113 Resp: 281134
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.6 120.8
 192 22.5 18.6 27.8





#36

1,1-Dichloropropene

Concen: 3.225 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

Instrument :

MSVOA_D

ClientSampleId :

TP-12-B

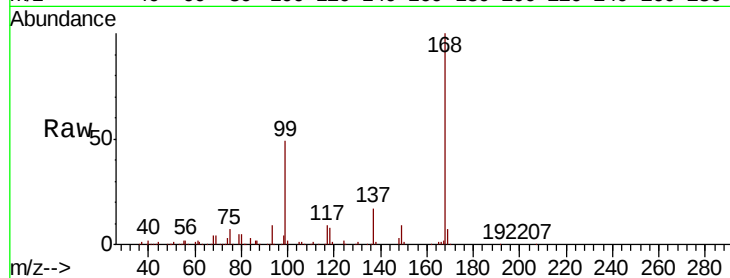
Tot Ion: 75 Resp: 25563

Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.9#

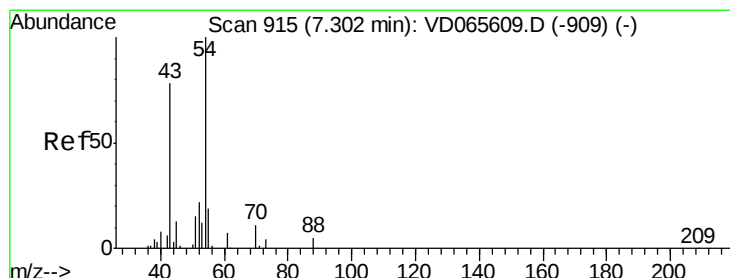
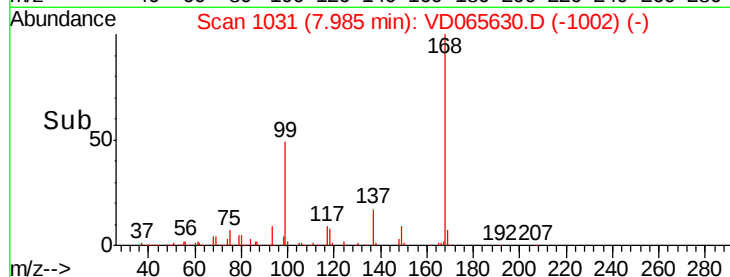
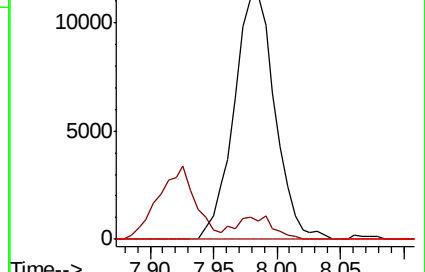
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 3.691 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.08 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

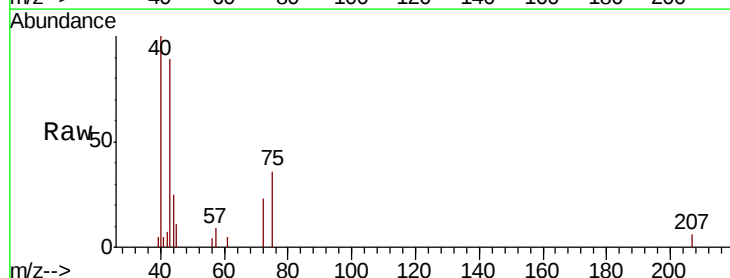
Tgt Ion: 43 Resp: 10862

Ion Ratio Lower Upper

43 100

61 1.2 11.3 16.9#

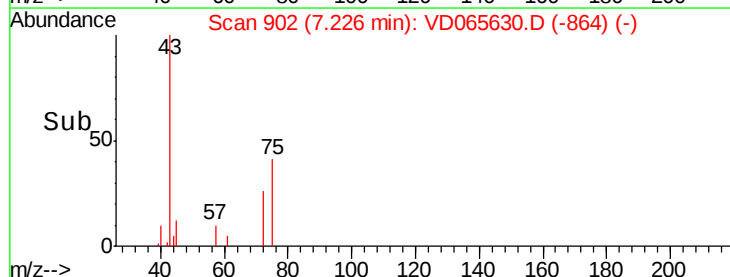
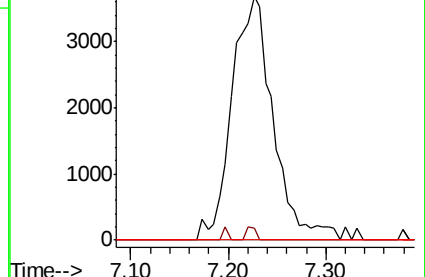
70 0.0 8.6 13.0#

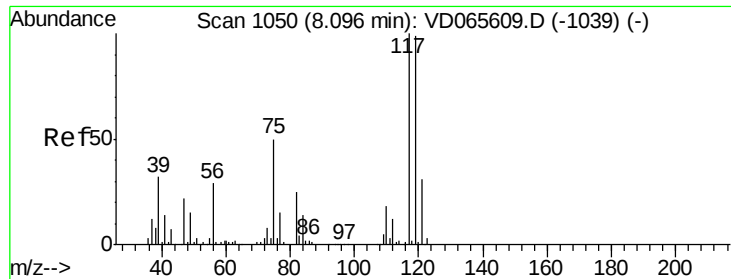


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 3.876 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

Instrument :

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TP-12-B

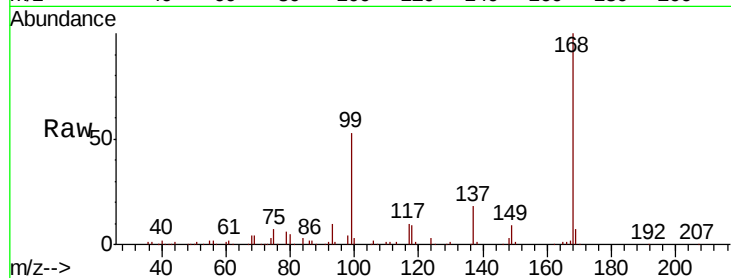
Tot Ion:117 Resp: 33361

Ion Ratio Lower Upper

117 100

119 6.2 78.9 118.3#

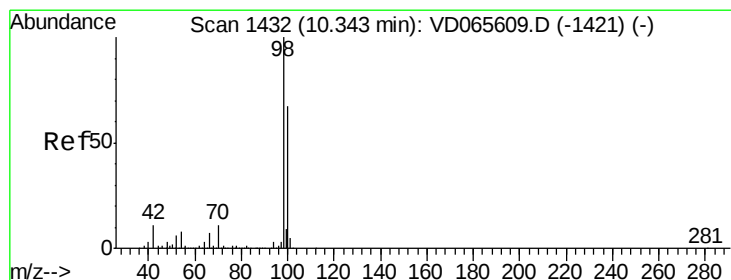
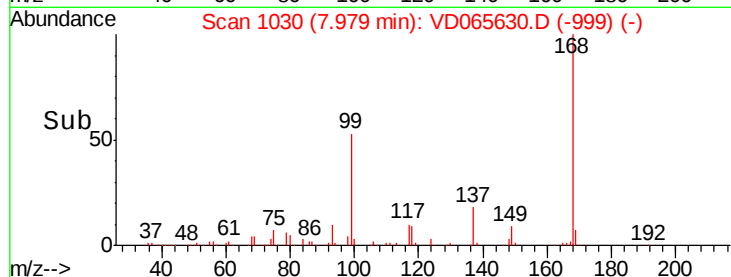
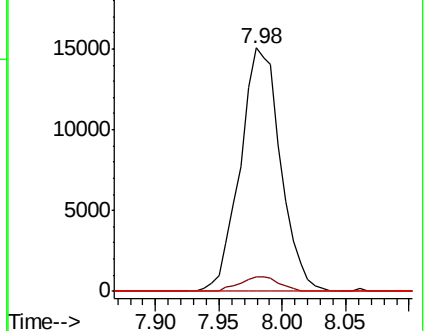
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.769 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065630.D

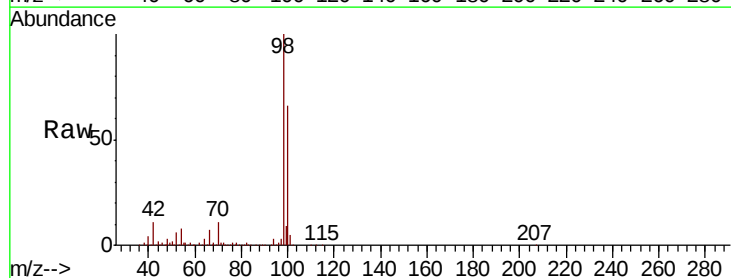
Acq: 13 Apr 2020 21:33

Tgt Ion: 98 Resp: 997116

Ion Ratio Lower Upper

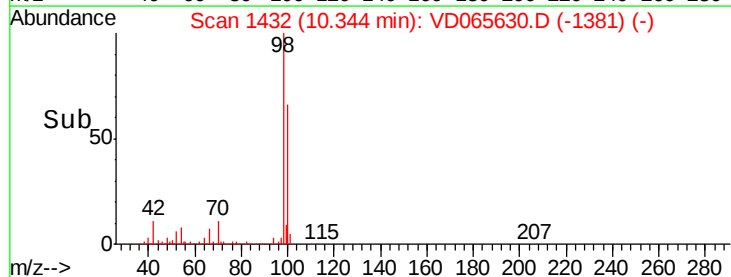
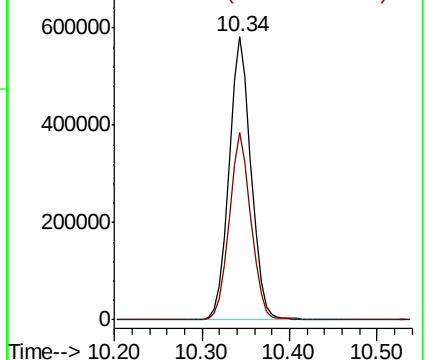
98 100

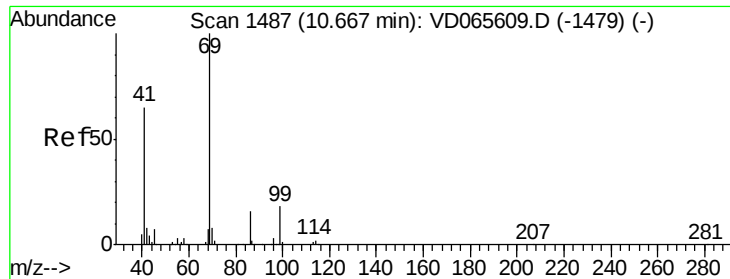
100 65.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

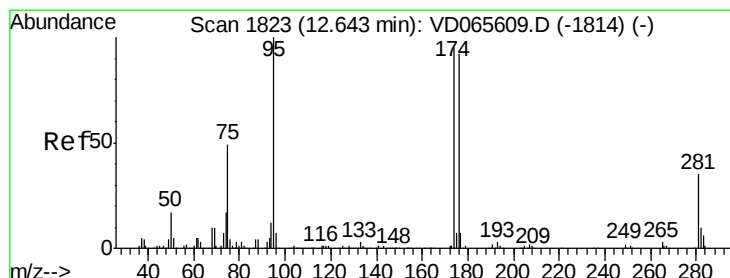
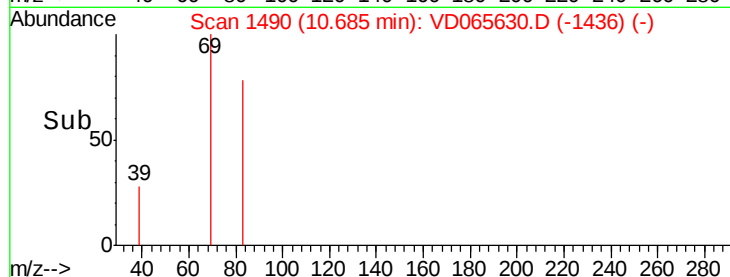
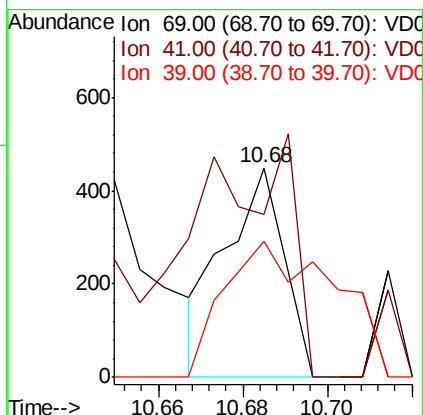
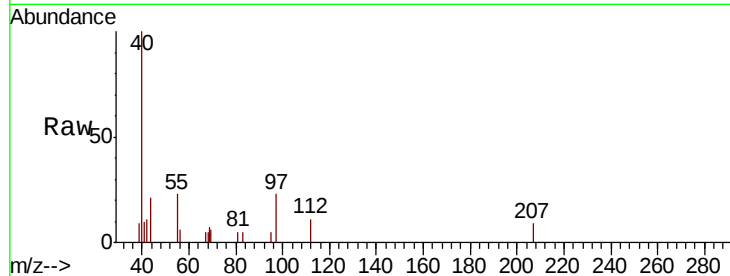




#56
 Ethyl methacrylate
 Concen: 3.394 ug/l
 RT: 10.68 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VD065630.D
 Acq: 13 Apr 2020 21:33

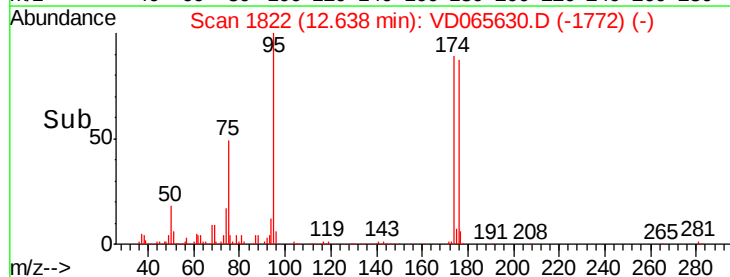
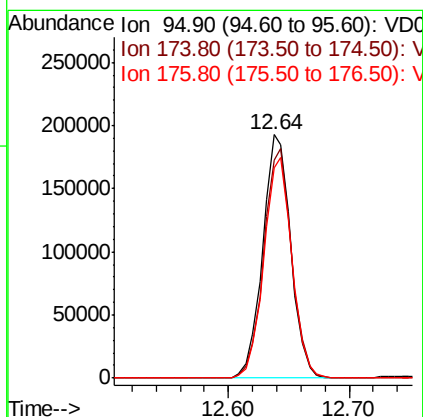
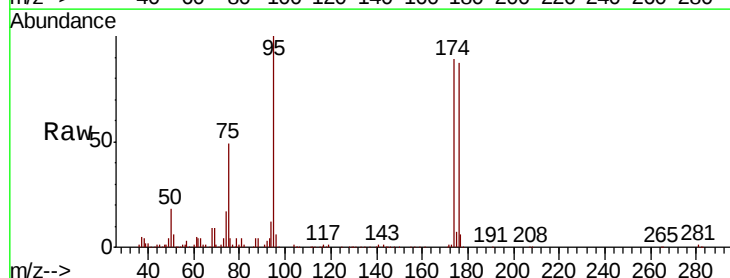
Instrument :
 MSVOA_D
 ClientSampleID :
 TP-12-B

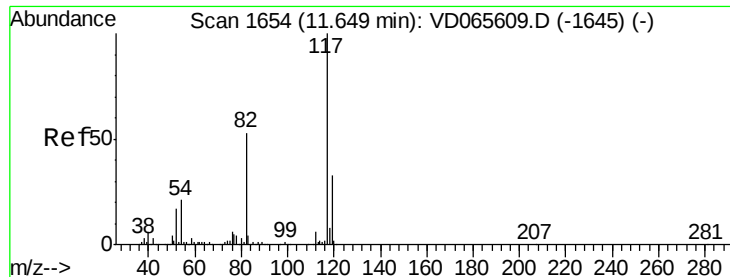
Tot Ion: 69 Resp: 434
 Ion Ratio Lower Upper
 69 100
 41 181.6 54.4 81.6#
 39 122.6 26.5 39.7#



#62
 4-Bromofluorobenzene
 Concen: 49.428 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065630.D
 Acq: 13 Apr 2020 21:33

Tgt Ion: 95 Resp: 311952
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 182.8
 176 90.5 0.0 176.6

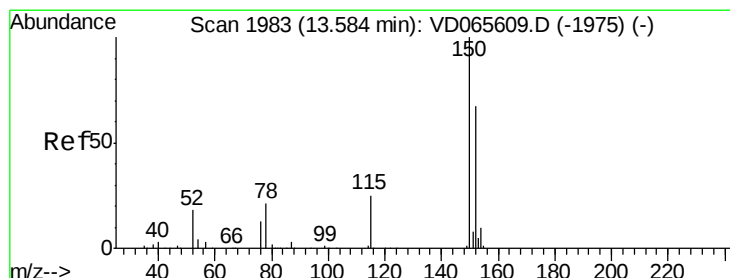
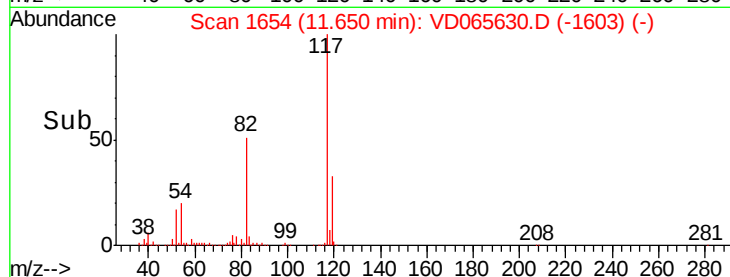
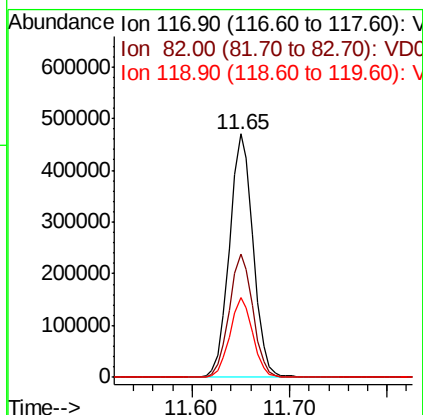
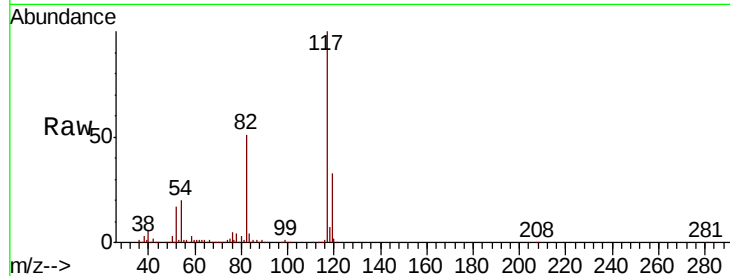




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

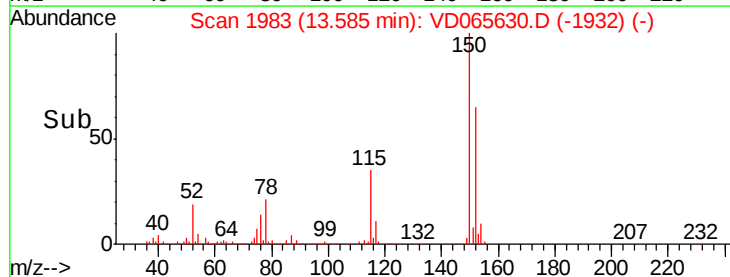
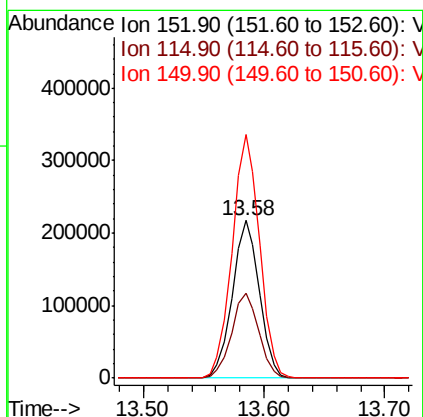
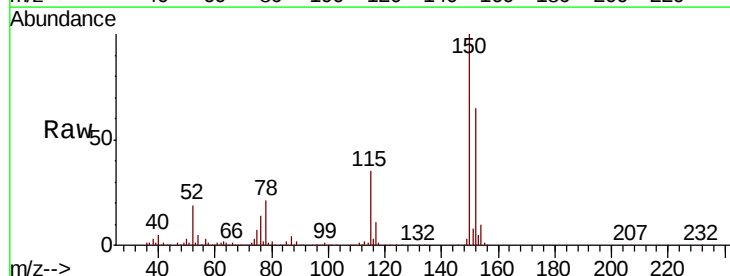
Instrument :
MSVOA_D
ClientSampleId :
TP-12-B

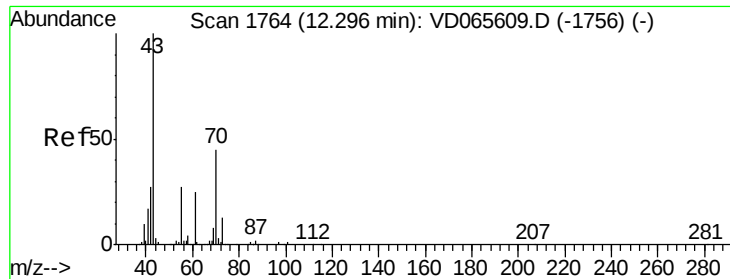
Tot Ion:117 Resp: 788728
Ion Ratio Lower Upper
117 100
82 50.7 42.6 64.0
119 32.6 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065630.D
Acq: 13 Apr 2020 21:33

Tgt Ion:152 Resp: 337640
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 156.8 0.0 348.2





#74

N-amvl acetate

Concen: 3.059 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

Instrument :

MSVOA_D

ClientSampleId :

TP-12-B

Tot Ion: 43 Resp: 652

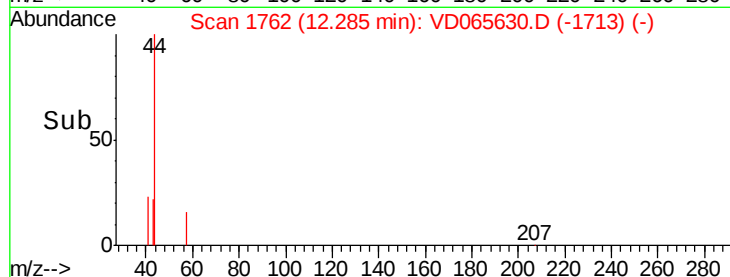
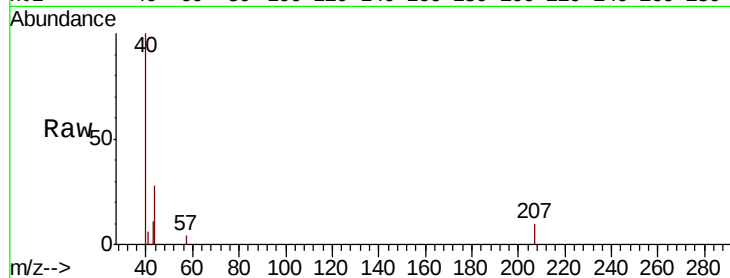
Ion Ratio Lower Upper

43 100

70 11.3 35.2 52.8#

55 0.0 22.5 33.7#

61 0.0 19.4 29.0#

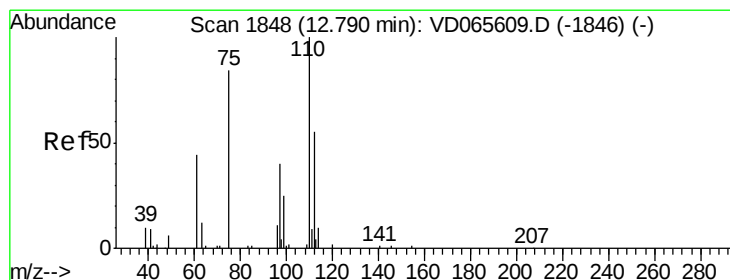
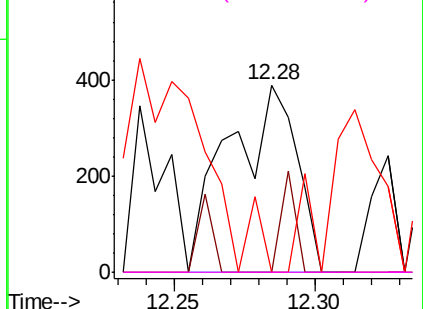


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 57.706 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065630.D

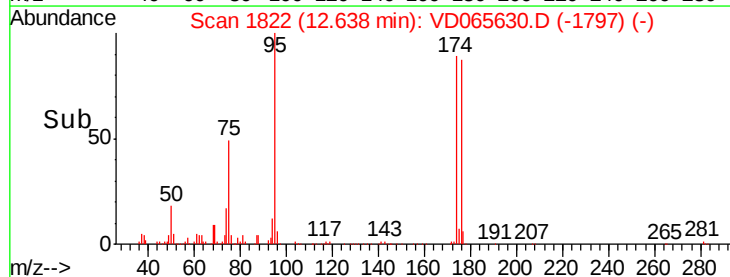
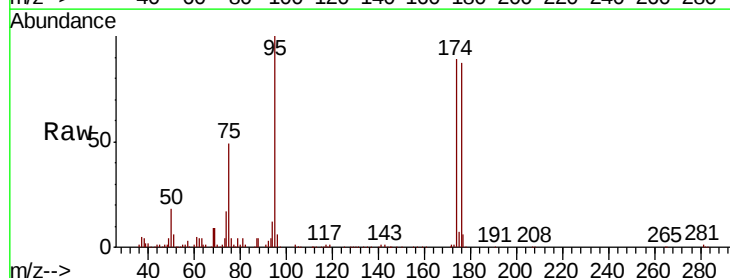
Acq: 13 Apr 2020 21:33

Tgt Ion: 75 Resp: 156265

Ion Ratio Lower Upper

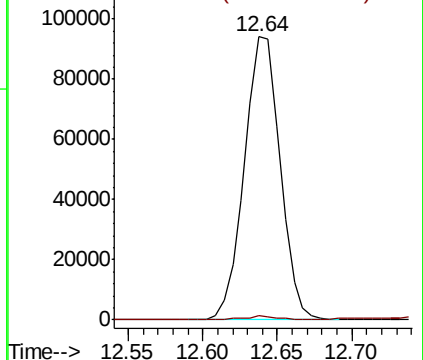
75 100

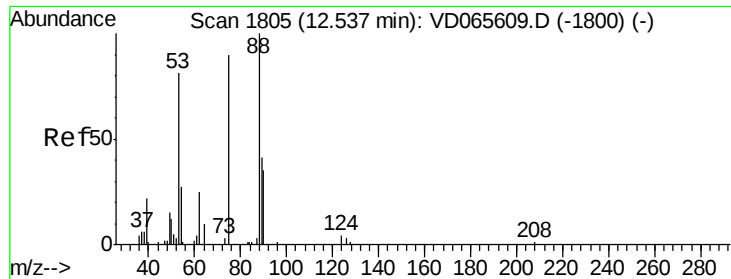
77 1.2 0.0 0.0#



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: 133.669 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

Instrument :

MSVOA_D

ClientSampleId :

TP-12-B

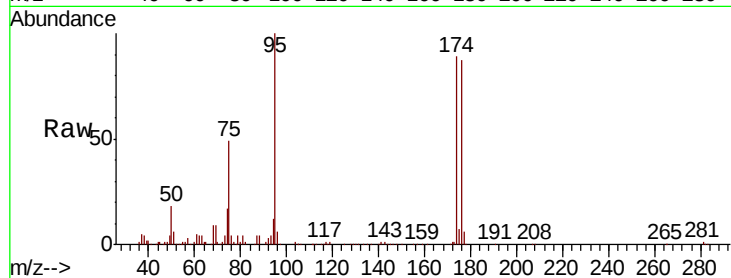
Tot Ion: 75 Resp: 156265

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.8#

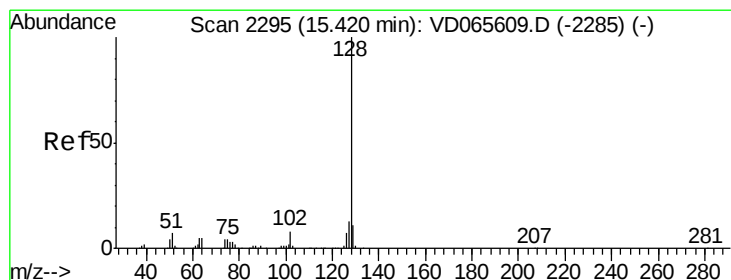
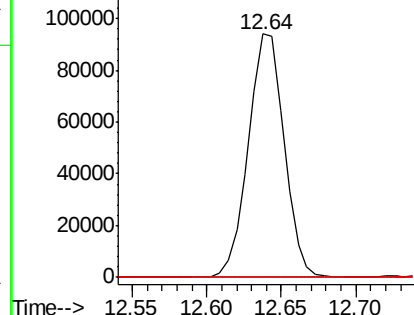
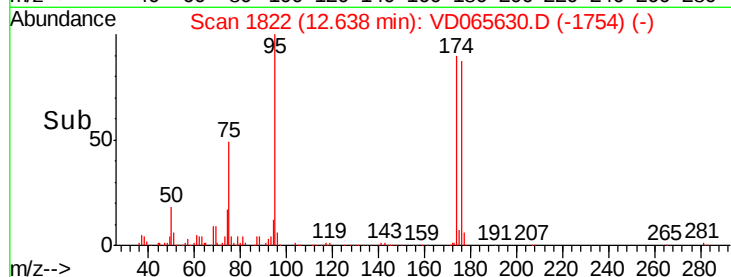
89 0.0 36.1 54.1#



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: 4.090 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065630.D

Acq: 13 Apr 2020 21:33

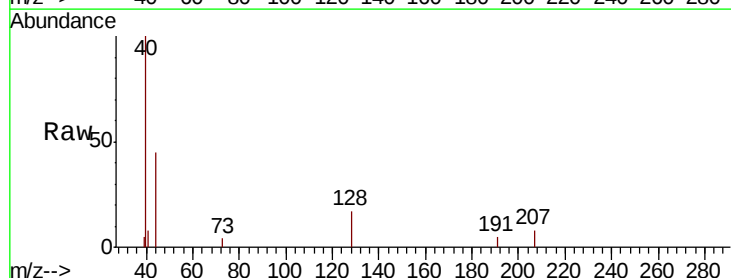
Tgt Ion: 128 Resp: 1183

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 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

