

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062920\
 Data File : VD065887.D
 Acq On : 29 Jun 2020 15:35
 Operator : VA/SY
 Sample : L3129-06
 Misc : 1.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1399-1400

Quant Time: Jun 30 04:11:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 19:16:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	91089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	159412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	106501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26590	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	62360	65.90	ug/l	0.00
Spiked Amount			Recovery	=	131.80%	
35) Dibromofluoromethane	7.92	113	55120	55.94	ug/l	0.00
Spiked Amount			Recovery	=	111.88%	
50) Toluene-d8	10.34	98	133390	35.99	ug/l	0.00
Spiked Amount			Recovery	=	71.98%	
62) 4-Bromofluorobenzene	12.64	95	32095	26.43	ug/l	0.00
Spiked Amount			Recovery	=	52.86%	

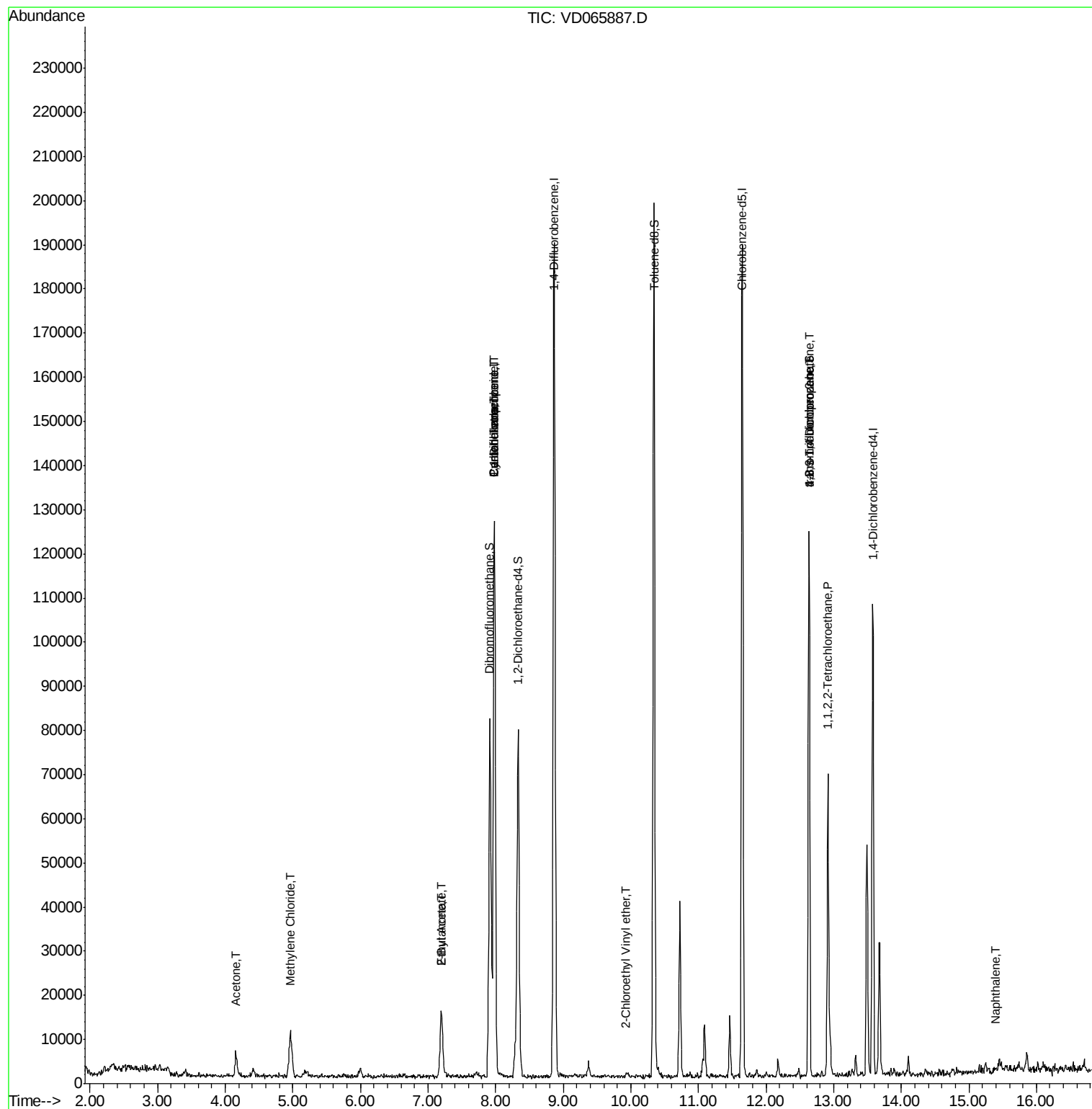
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	8680	46.815	ug/l #	76
20) Methylene Chloride	4.97	84	7407	2.509	ug/l #	93
25) 2-Butanone	7.19	43	687	2.777	ug/l #	49
31) Cyclohexane	7.97	56	2792	1.647	ug/l #	49
36) 1,1-Dichloropropene	7.97	75	7413	4.769	ug/l #	51
37) Ethyl Acetate	7.19	43	687	1.156	ug/l #	72
38) Carbon Tetrachloride	7.98	117	10089	6.010	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.94	63	551	1.334	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.91	83	407	1.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	18573	79.826	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	18573	171.495	ug/l #	9
95) Naphthalene	15.41	128	1040	1.254	ug/l #	68

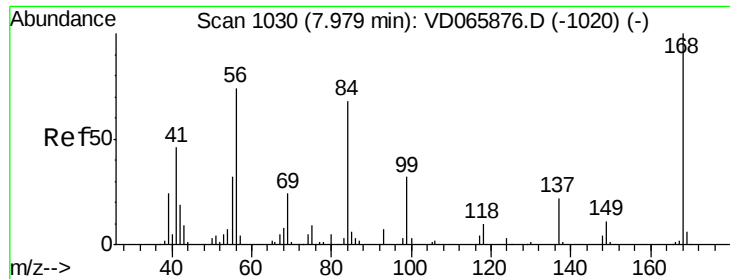
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 26 19:16:07 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065887.D

Acq: 29 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

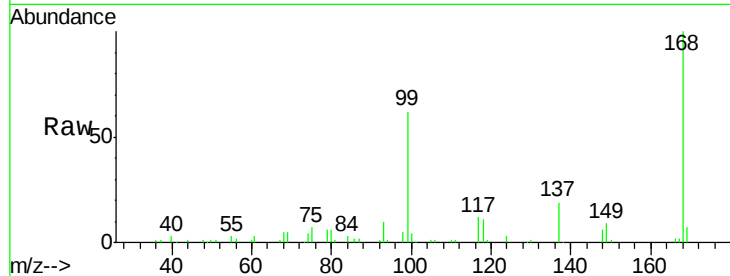
1399-1400

Tot Ion:168 Resp: 91089

Ion Ratio Lower Upper

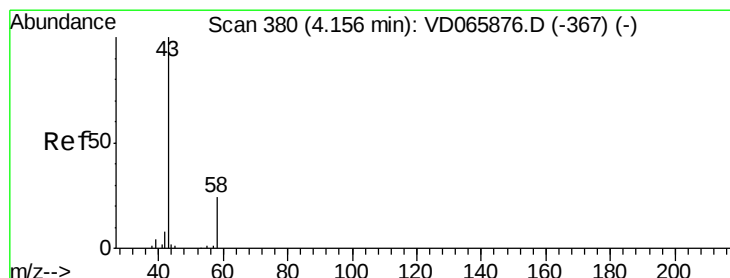
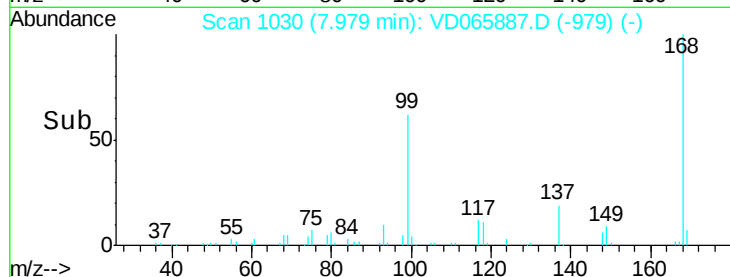
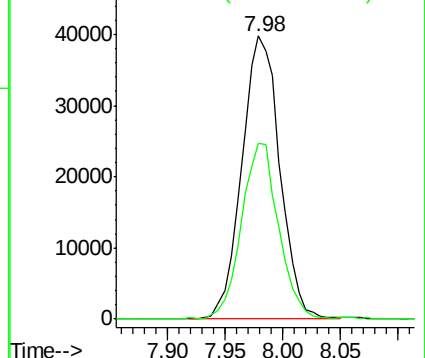
168 100

99 61.7 51.3 76.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 46.815 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065887.D

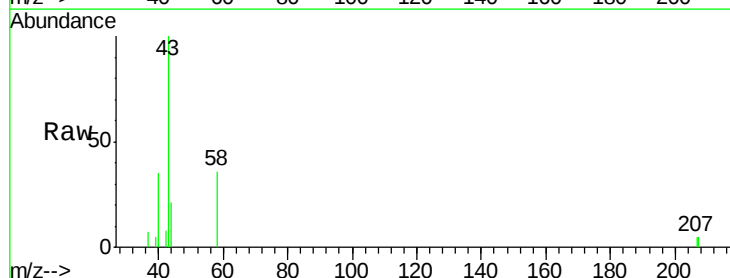
Acq: 29 Jun 2020 15:35

Tgt Ion: 43 Resp: 8680

Ion Ratio Lower Upper

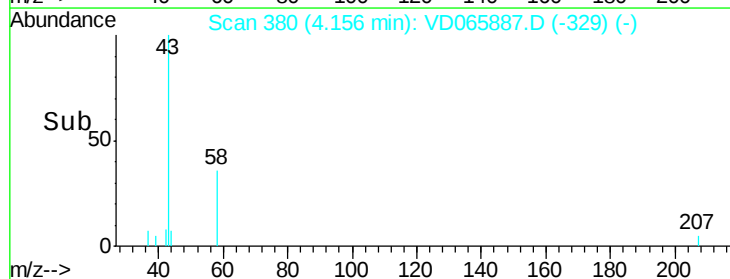
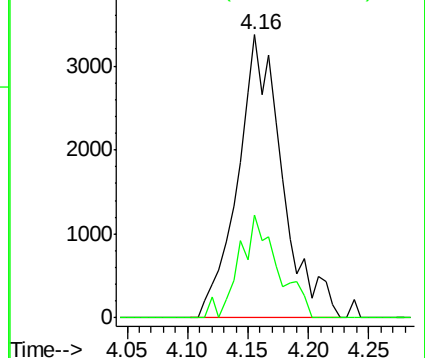
43 100

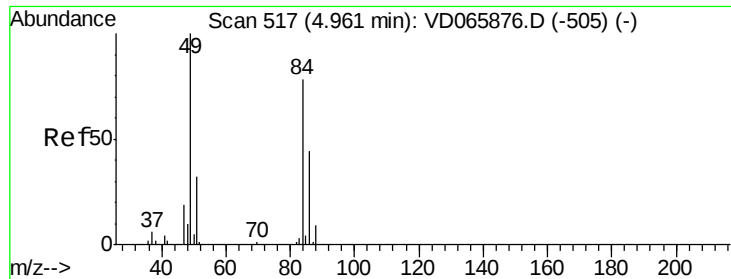
58 36.3 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

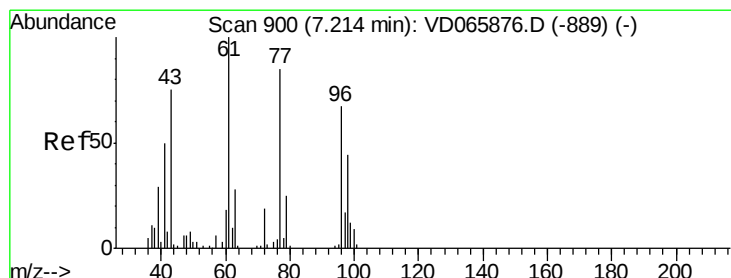
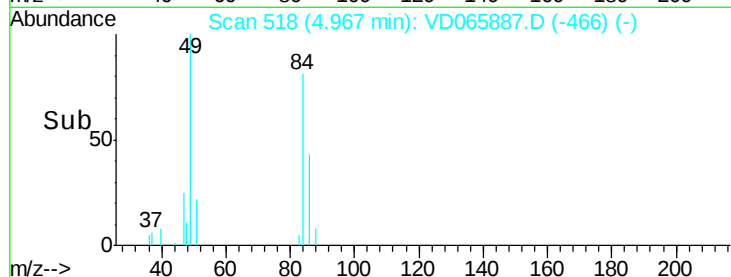
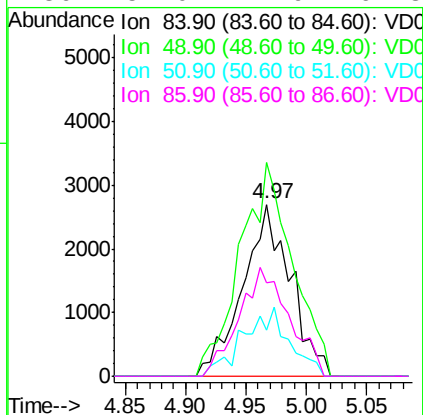
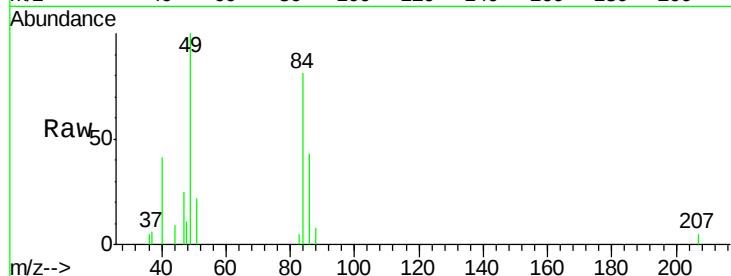




#20
Methvlene Chloride
Concen: 2.509 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

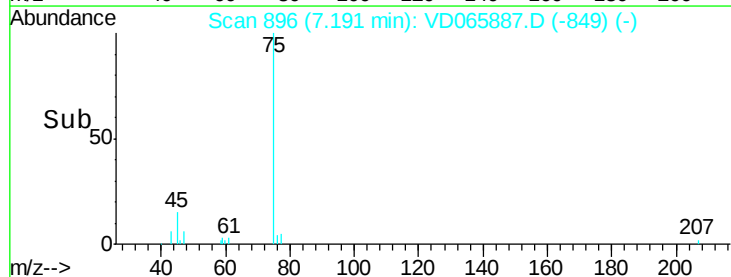
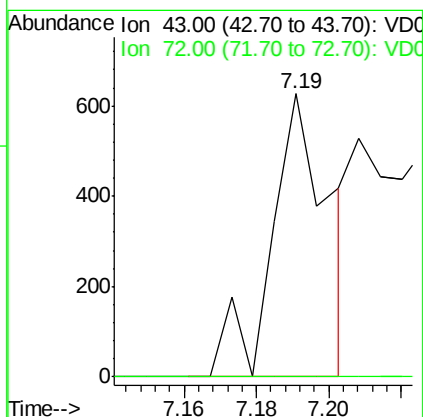
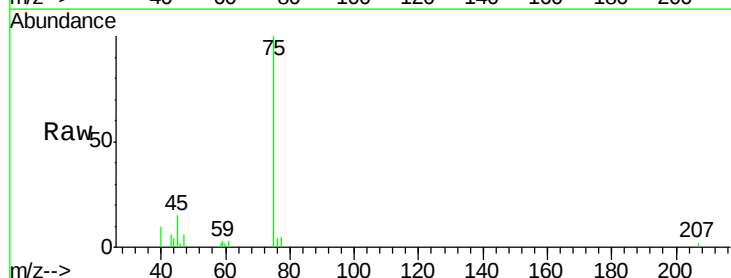
Instrument :
MSVOA_D
ClientSampleId :
1399-1400

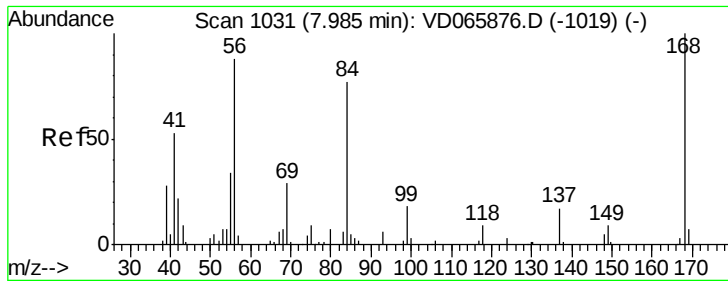
Tot Ion: 84 Resp: 7407
Ion Ratio Lower Upper
84 100
49 124.1 103.0 154.6
51 26.8 32.7 49.1#
86 54.0 44.9 67.3



#25
2-Butanone
Concen: 2.777 ug/l
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#

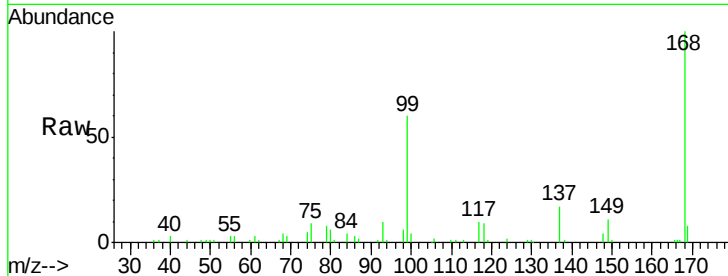




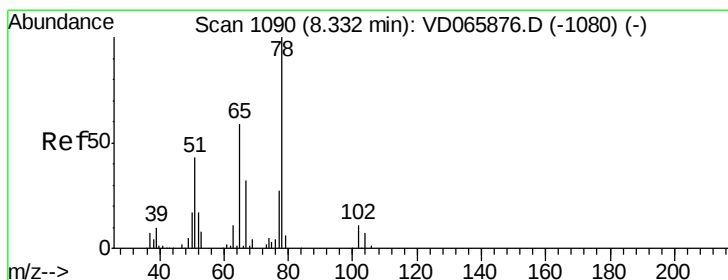
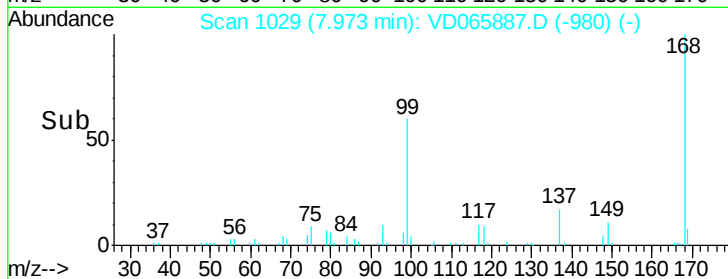
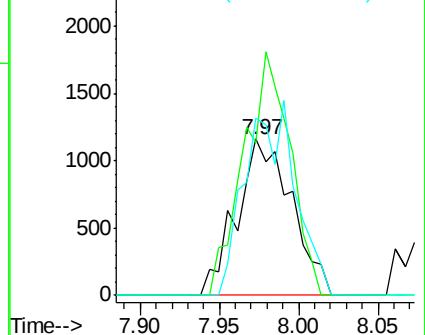
#31
Cyclohexane
Concen: 1.647 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
1399-1400

Tot Ion: 56 Resp: 2792
Ion Ratio Lower Upper
56 100
69 97.8 26.2 39.4#
84 113.6 70.3 105.5#

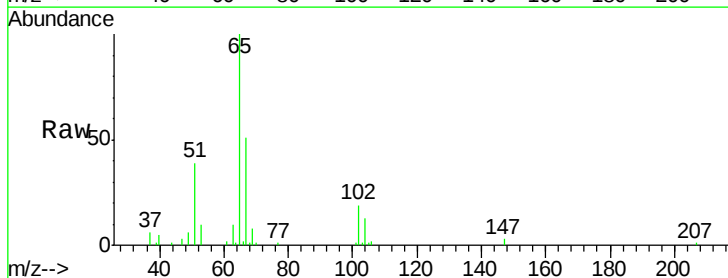


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

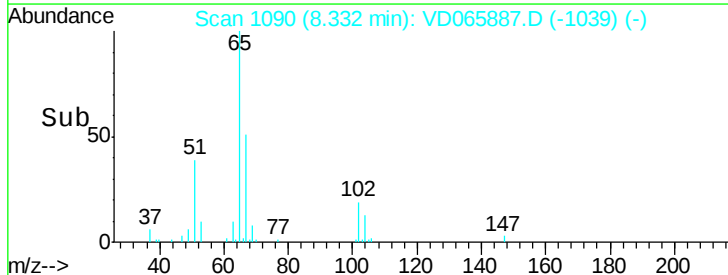
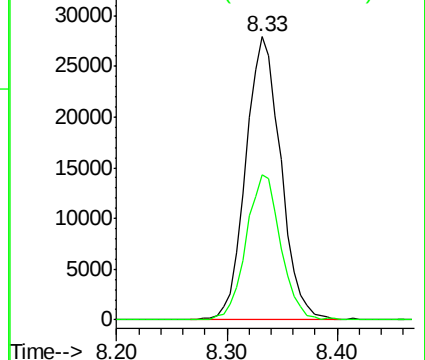


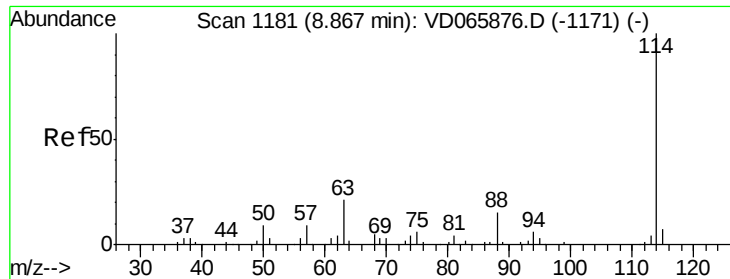
#33
1,2-Dichloroethane-d4
Concen: 65.897 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Tgt Ion: 65 Resp: 62360
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0



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

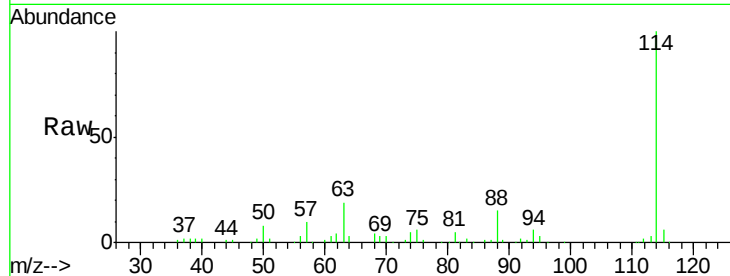




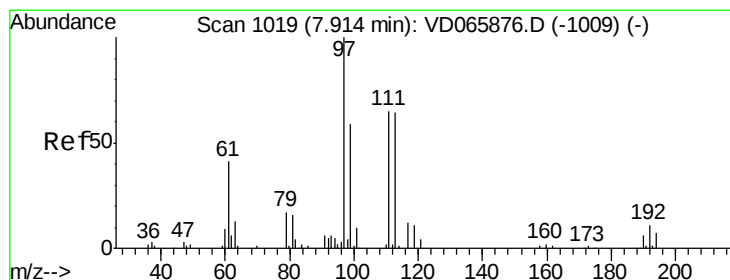
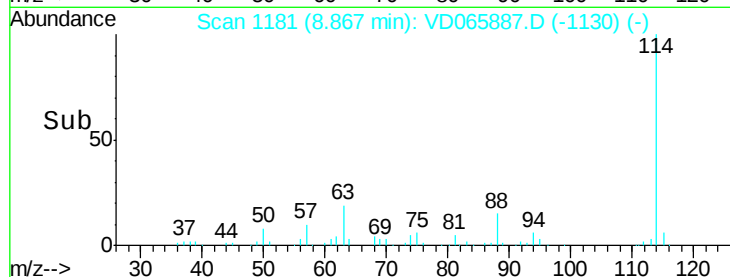
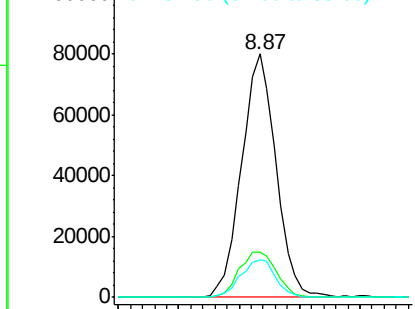
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
1399-1400

Tot Ion:114 Resp: 159412
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.6
88 15.4 0.0 29.0

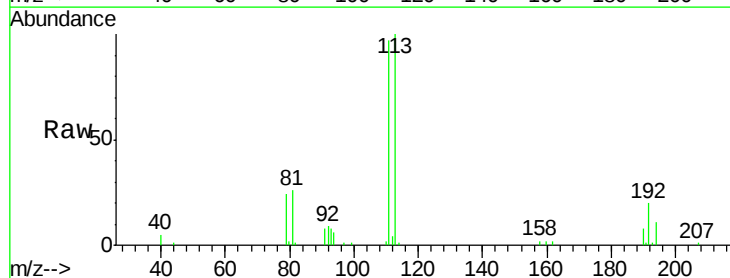


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

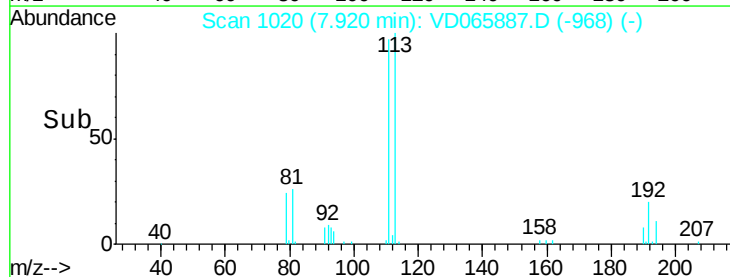
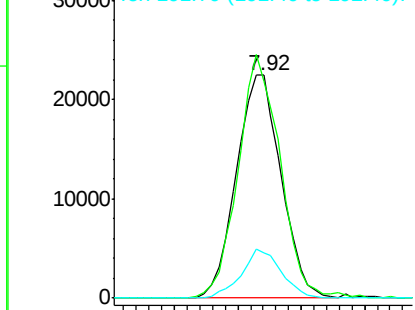


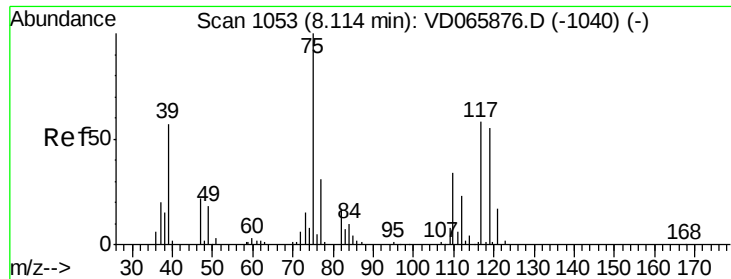
#35
Dibromofluoromethane
Concen: 55.941 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Tgt Ion:113 Resp: 55120
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.6
192 19.5 15.2 22.8



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

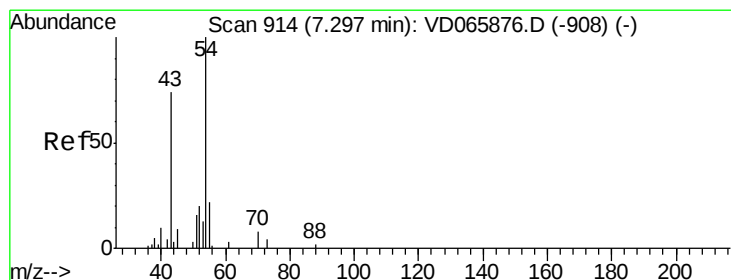
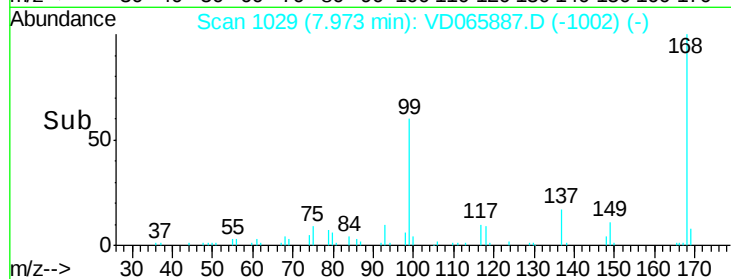
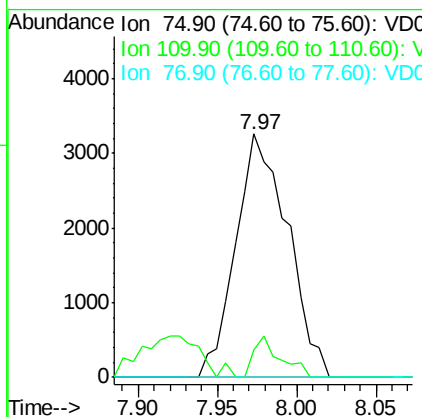
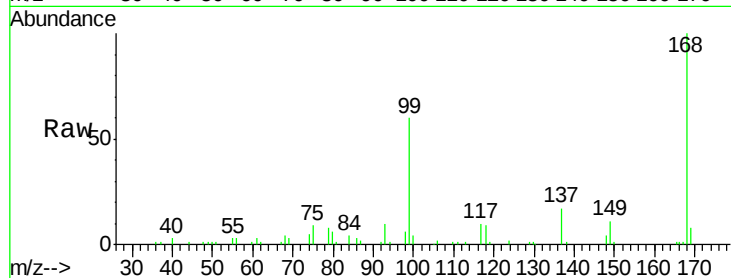




#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD065887.D
 Acq: 29 Jun 2020 15:35

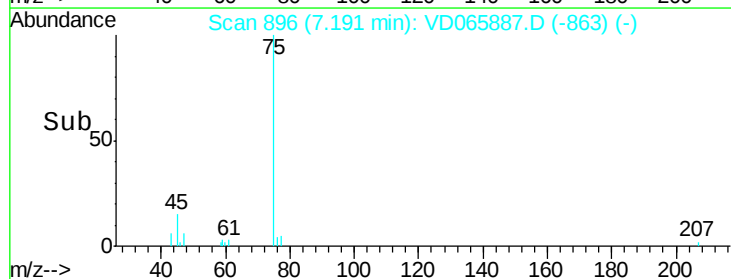
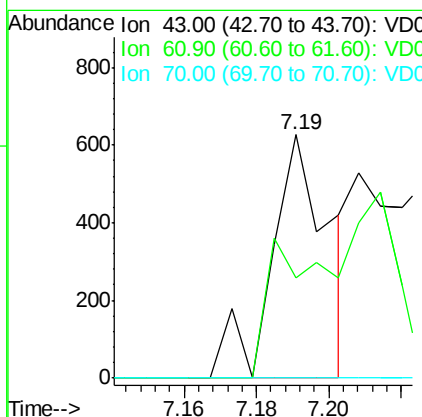
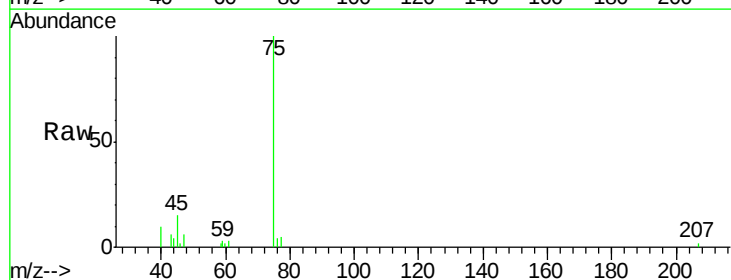
Instrument :
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 1399-1400

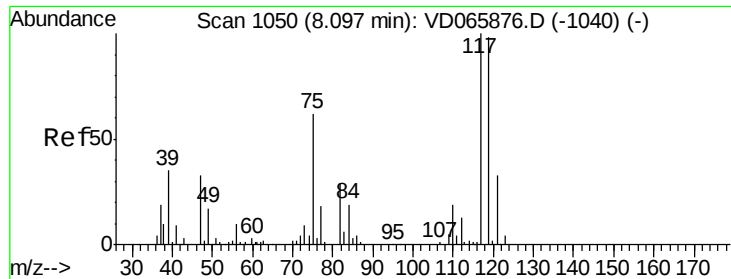
Tot Ion: 75 Resp: 7413
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.8 50.4#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 1.156 ug/l
 RT: 7.19 min Scan# 896
 Delta R.T. -0.11 min
 Lab File: VD065887.D
 Acq: 29 Jun 2020 15:35

Tgt Ion: 43 Resp: 687
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.010 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065887.D

Acq: 29 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

1399-1400

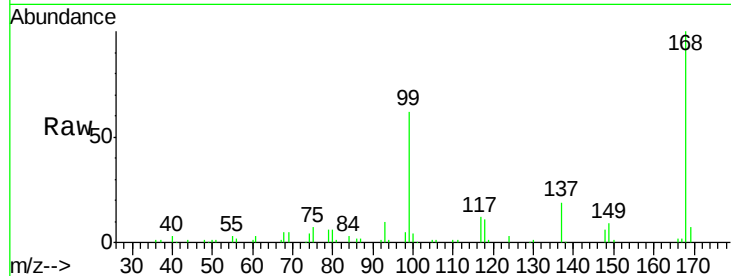
Tot Ion:117 Resp: 10089

Ion Ratio Lower Upper

117 100

119 5.5 78.6 117.8#

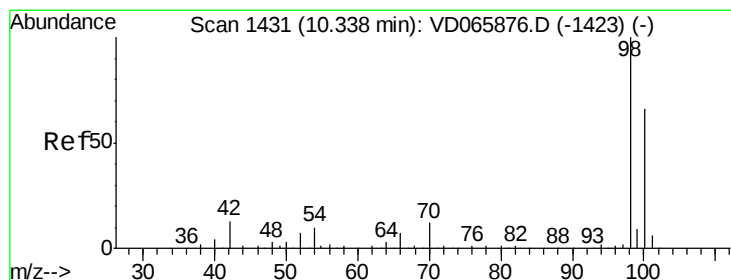
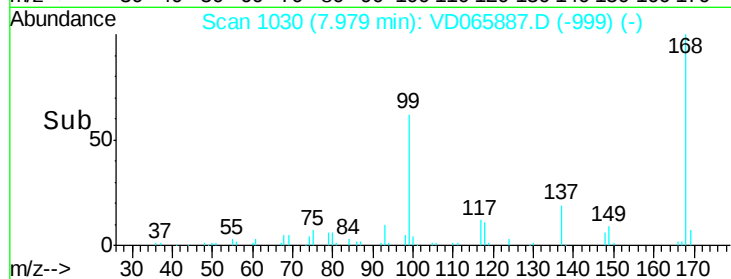
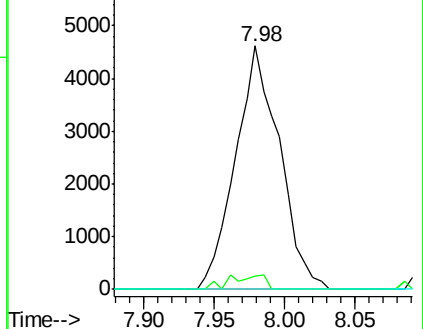
121 0.0 26.5 39.7#



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: 35.988 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065887.D

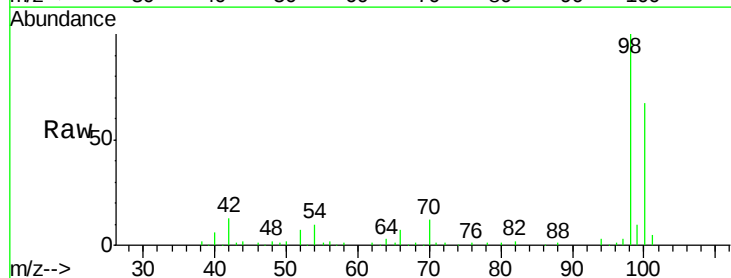
Acq: 29 Jun 2020 15:35

Tgt Ion: 98 Resp: 133390

Ion Ratio Lower Upper

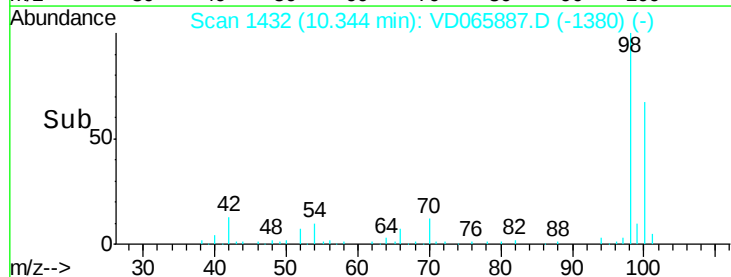
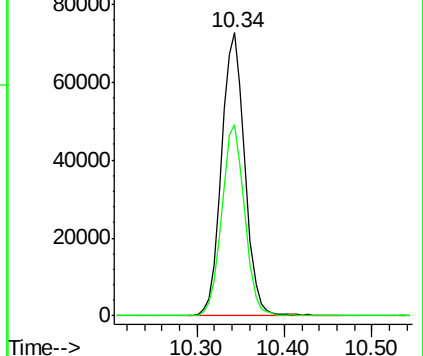
98 100

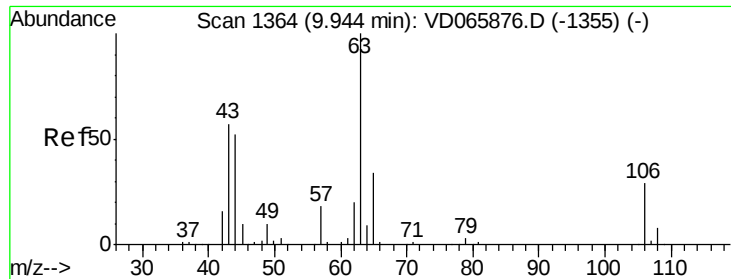
100 66.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

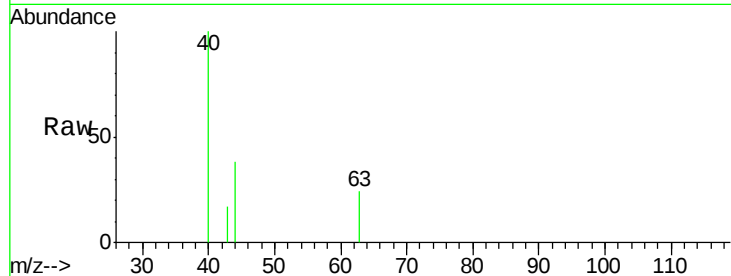




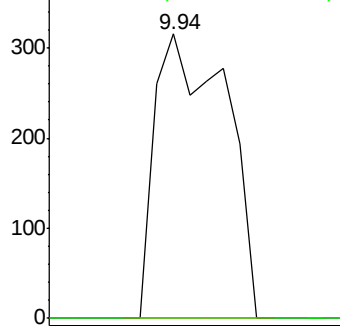
#58
2-Chloroethyl Vinyl ether
Concen: 1.334 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
1399-1400

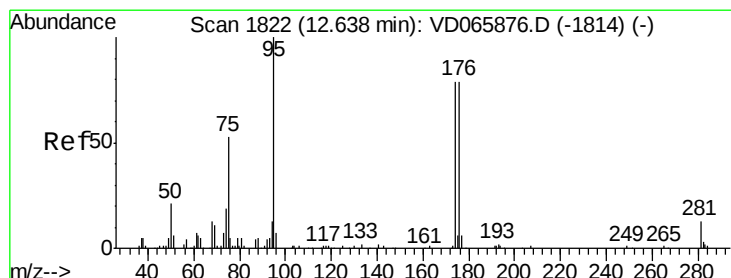
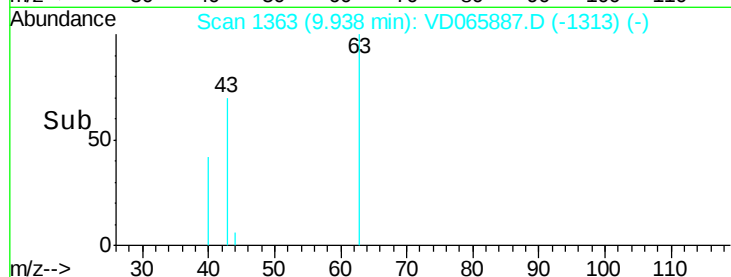
Tot Ion: 63 Resp: 551
Ion Ratio Lower Upper
63 100
106 0.0 22.6 34.0#



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 105.90 (105.60 to 106.60): V

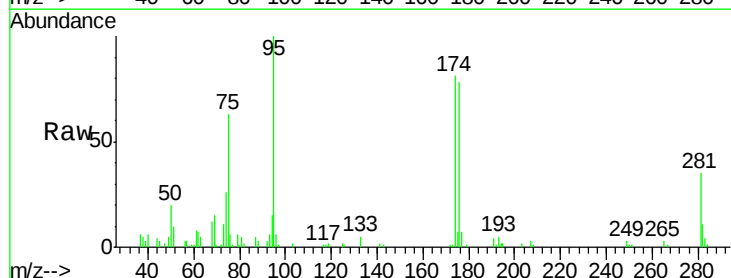


Time--> 9.90 9.95

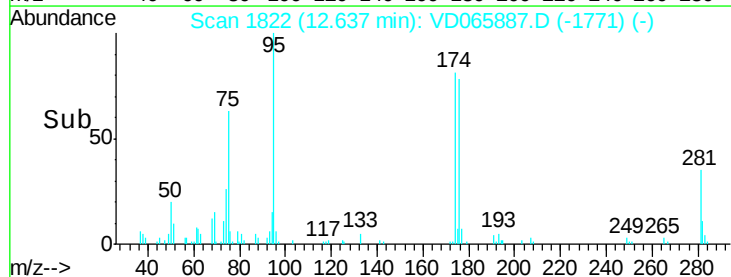
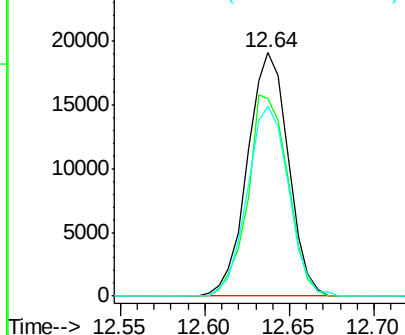


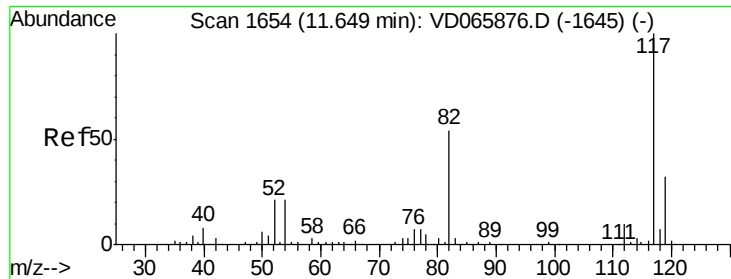
#62
4-Bromofluorobenzene
Concen: 26.432 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Tgt Ion: 95 Resp: 32095
Ion Ratio Lower Upper
95 100
174 81.0 0.0 158.4
176 79.3 0.0 156.0



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

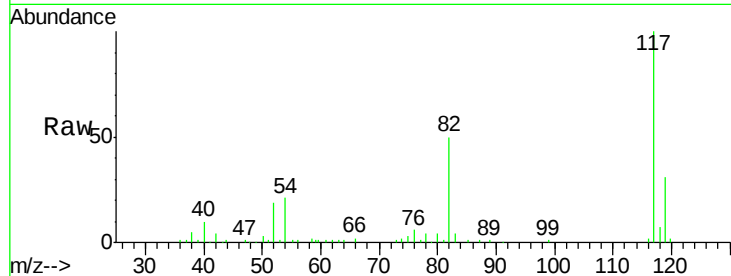




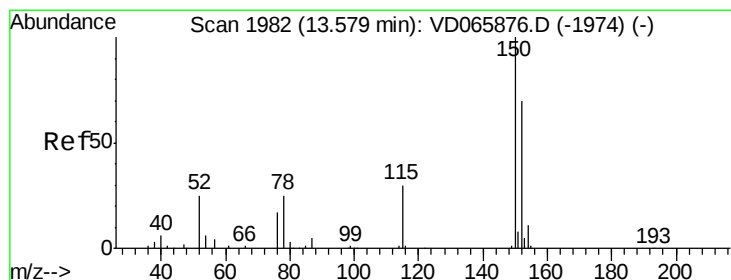
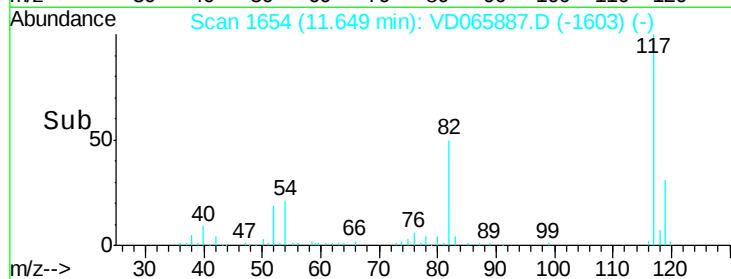
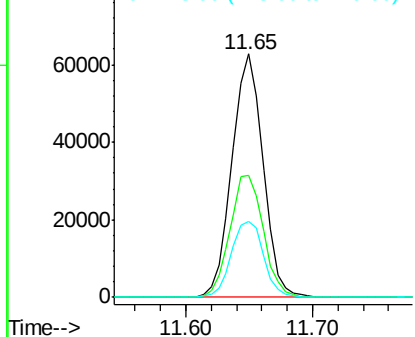
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Instrument :
MSVOA_D
ClientSampleId :
1399-1400

Tot Ion:117 Resp: 106501
Ion Ratio Lower Upper
117 100
82 50.4 43.6 65.4
119 31.2 25.9 38.9

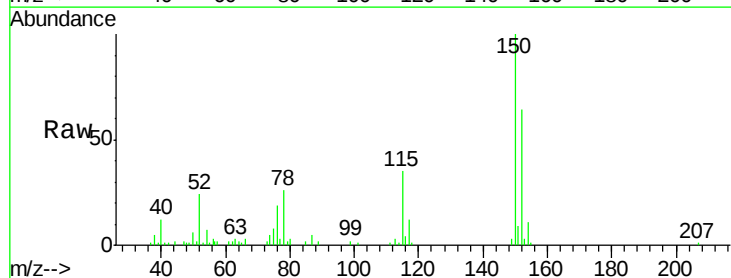


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

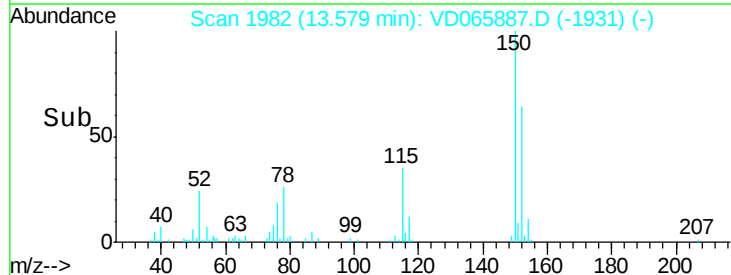
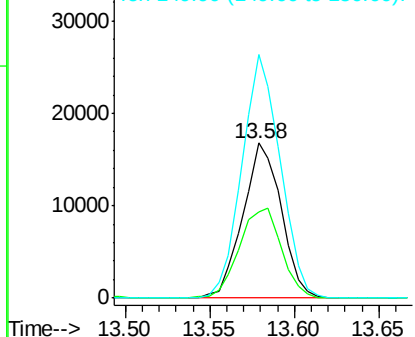


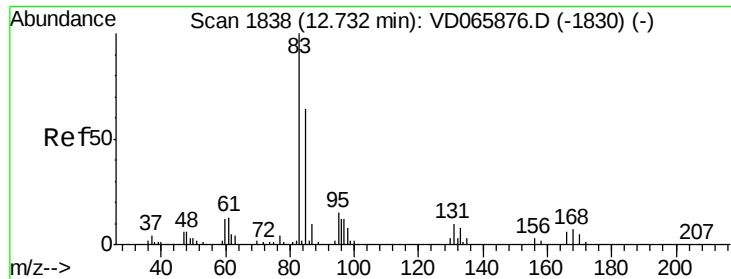
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065887.D
Acq: 29 Jun 2020 15:35

Tgt Ion:152 Resp: 26590
Ion Ratio Lower Upper
152 100
115 63.7 29.7 89.1
150 156.2 0.0 346.2



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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.298 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.18 min

Lab File: VD065887.D

Acq: 29 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

1399-1400

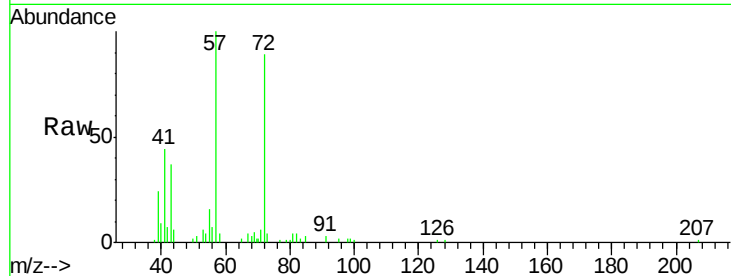
Tot Ion: 83 Resp: 407

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

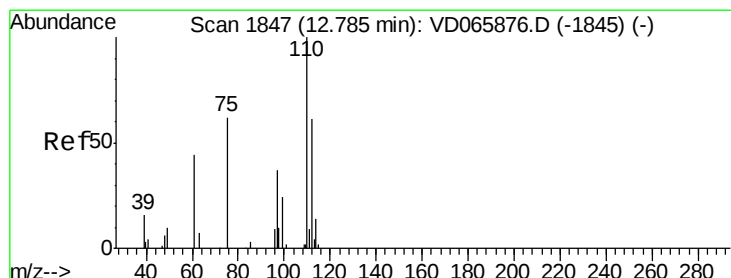
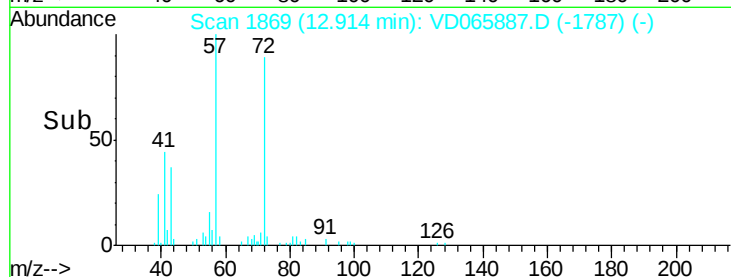
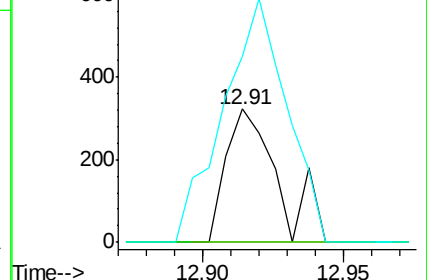
85 227.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 79.826 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065887.D

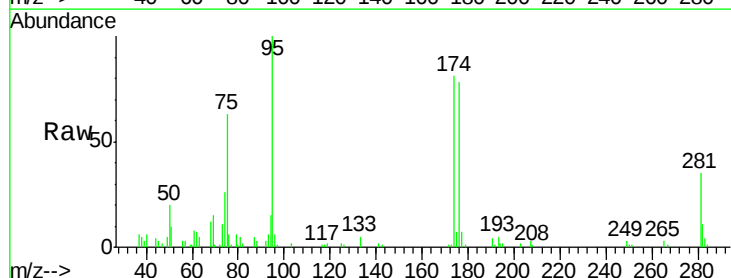
Acq: 29 Jun 2020 15:35

Tgt Ion: 75 Resp: 18573

Ion Ratio Lower Upper

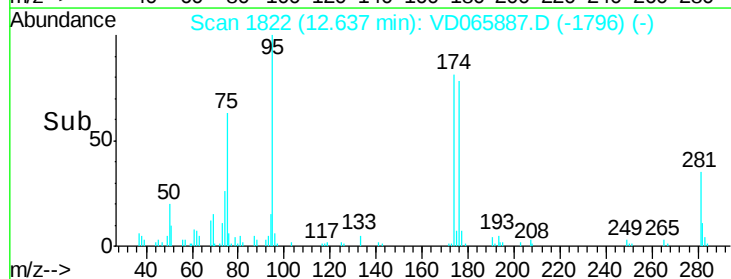
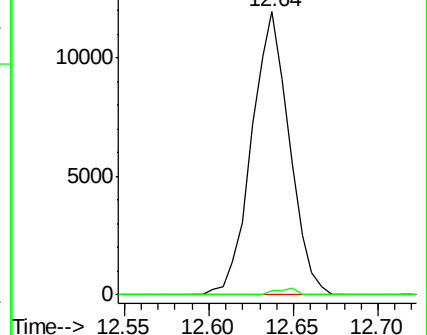
75 100

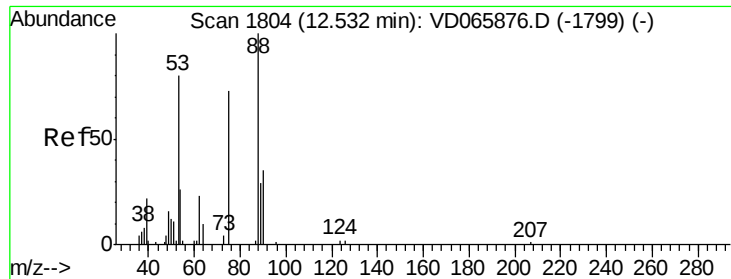
77 1.3 168.5 505.5#



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: 171.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065887.D

Acq: 29 Jun 2020 15:35

Instrument :

MSVOA_D

ClientSampleId :

1399-1400

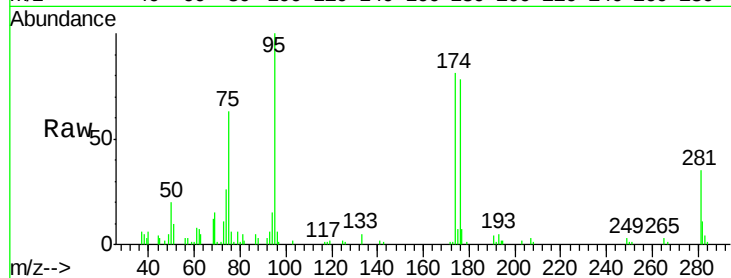
Tot Ion: 75 Resp: 18573

Ion Ratio Lower Upper

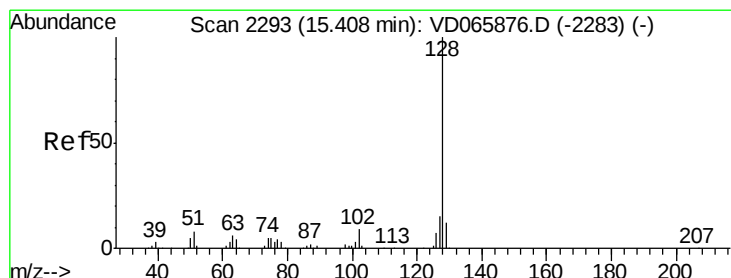
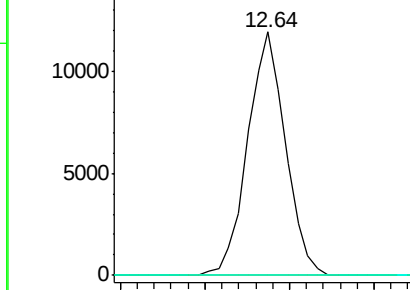
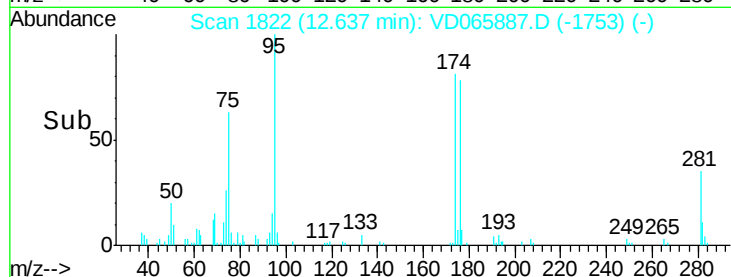
75 100

53 0.0 80.6 121.0#

89 0.0 36.5 54.7#



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: 1.254 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065887.D

Acq: 29 Jun 2020 15:35

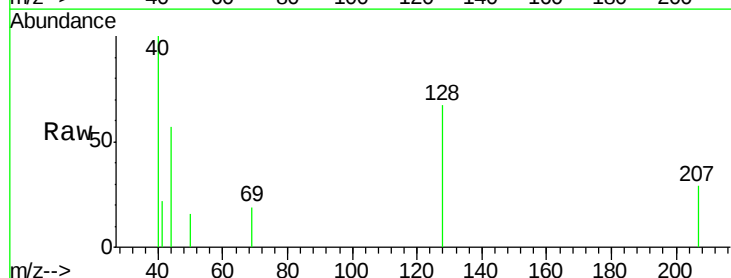
Tgt Ion: 128 Resp: 1040

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



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

