

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066106.D
 Acq On : 30 Jul 2020 12:51
 Operator : VA/SY
 Sample : L3489-12RE
 Misc : 5.10G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CS-12

Quant Time: Jul 31 01:54:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	357352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	391637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	213685	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	98814	54.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.80%	
35) Dibromofluoromethane	7.91	113	108483	50.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.10%	
50) Toluene-d8	10.34	98	434606	53.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.64	95	178427	63.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.46%	

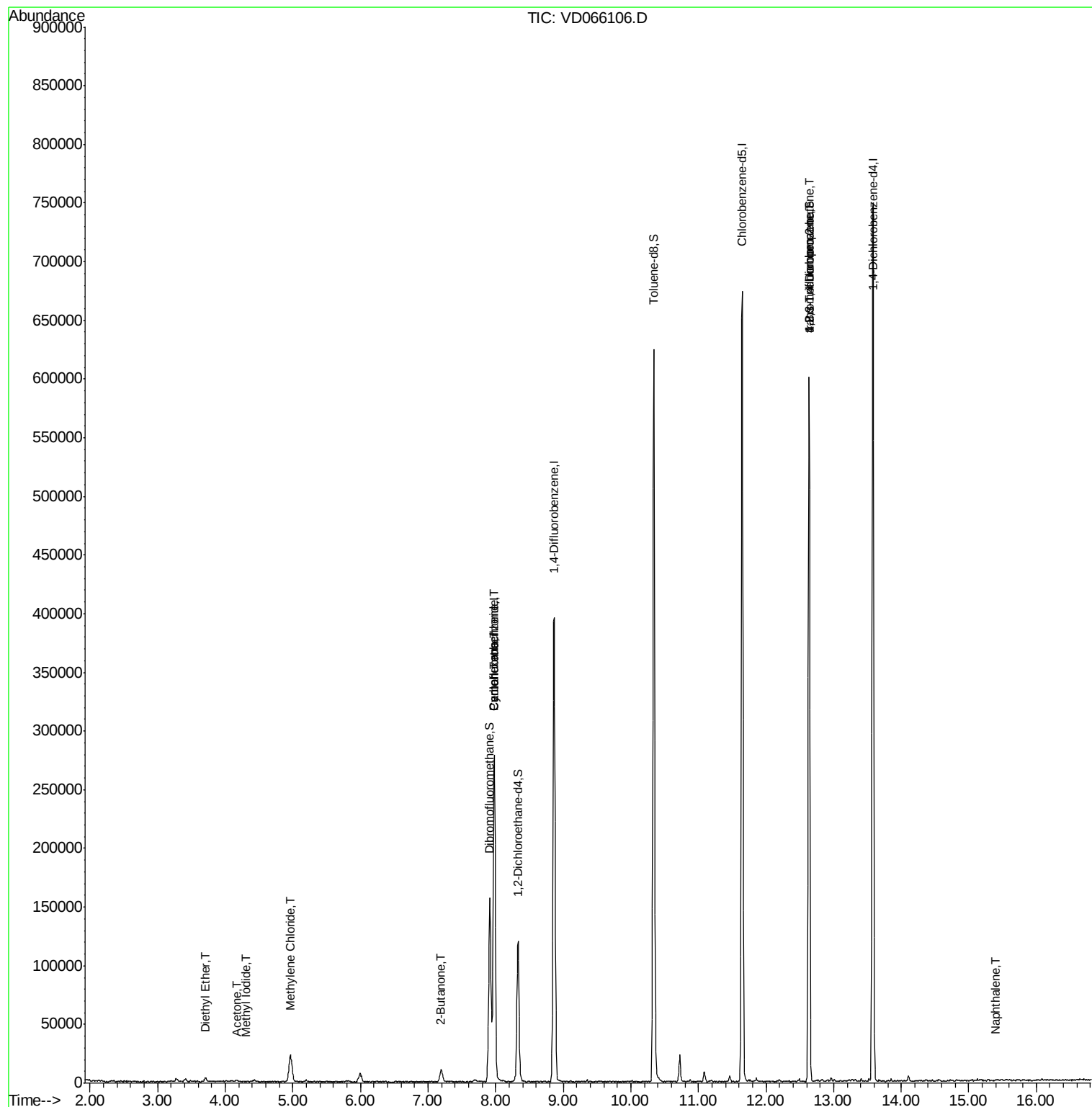
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	1643	1.873	ug/l	50
10) Methyl Iodide	4.30	142	72	8.843	ug/l #	42
11) Tert butyl alcohol	5.20	59	241	Below Cal	#	83
16) Acetone	4.17	43	2369	6.502	ug/l #	42
20) Methylene Chloride	4.96	84	18737	6.735	ug/l #	84
25) 2-Butanone	7.19	43	511	1.057	ug/l #	50
31) Cyclohexane	7.98	56	4433	1.369	ug/l #	52
38) Carbon Tetrachloride	7.97	117	21523	6.504	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	91517	56.880	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91517	130.521	ug/l #	11
95) Naphthalene	15.41	128	673	3.639	ug/l #	68

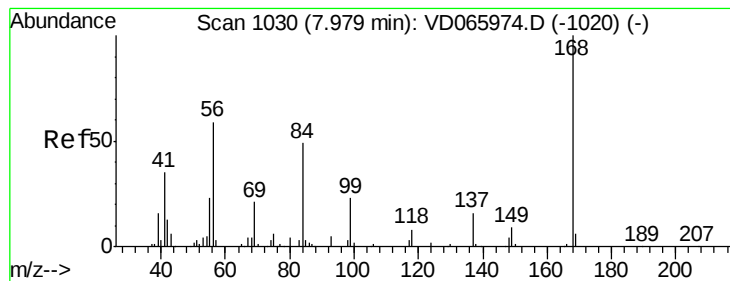
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073020\
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Quant Time: Jul 31 01:54:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 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: VD066106.D

Acq: 30 Jul 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

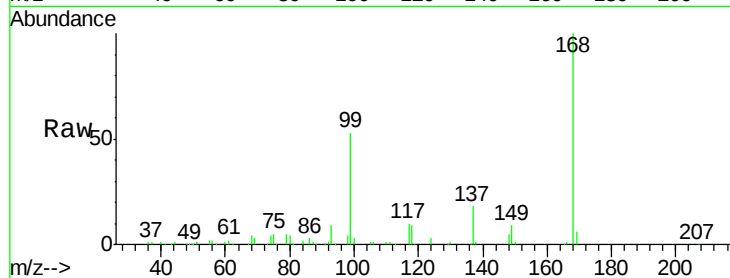
CS-12

Tot Ion:168 Resp: 221209

Ion Ratio Lower Upper

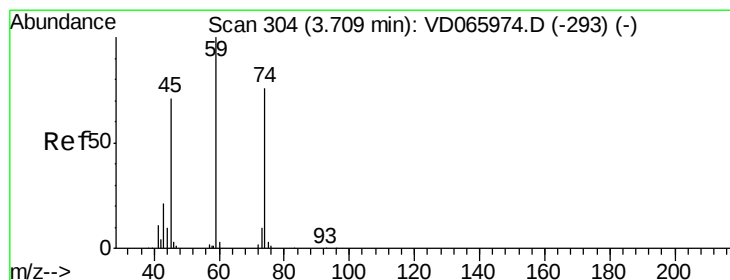
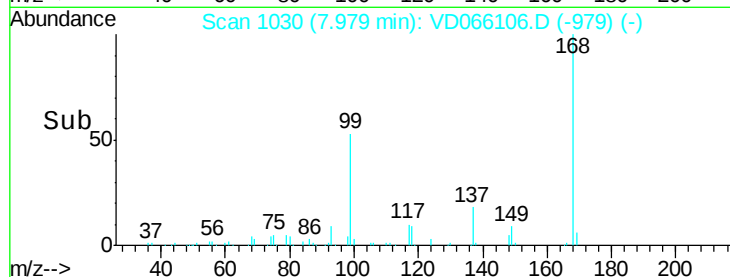
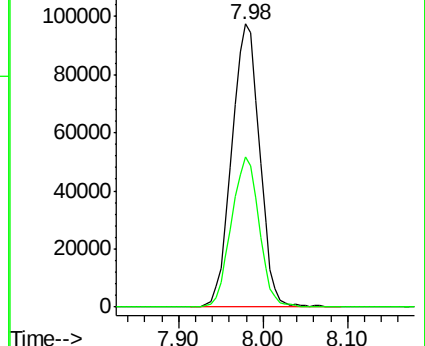
168 100

99 53.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.873 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066106.D

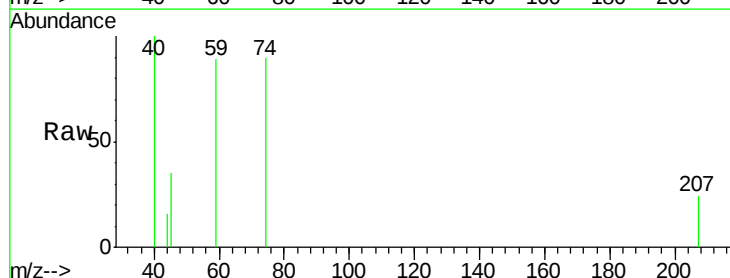
Acq: 30 Jul 2020 12:51

Tgt Ion: 74 Resp: 1643

Ion Ratio Lower Upper

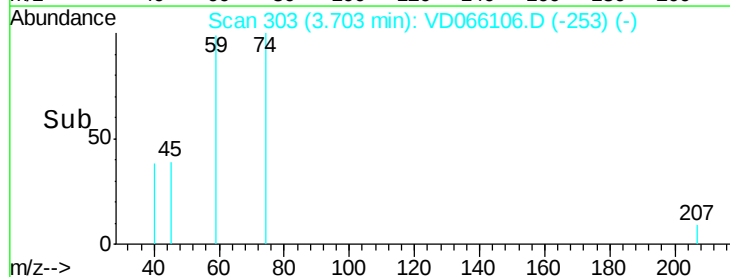
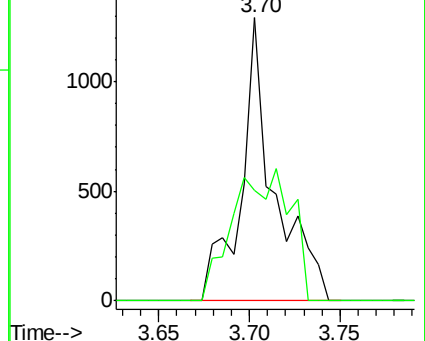
74 100

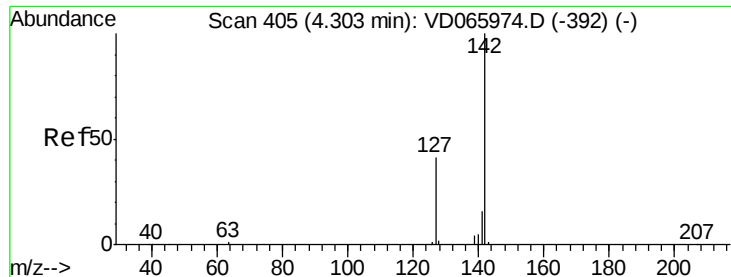
45 50.0 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

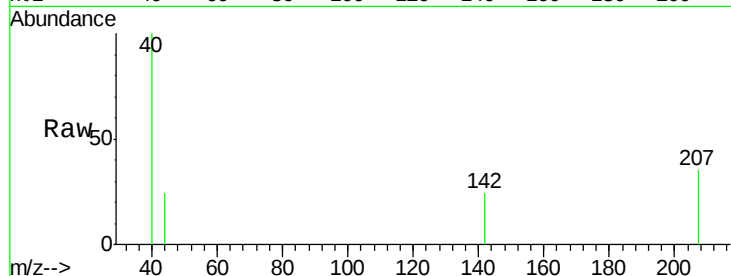




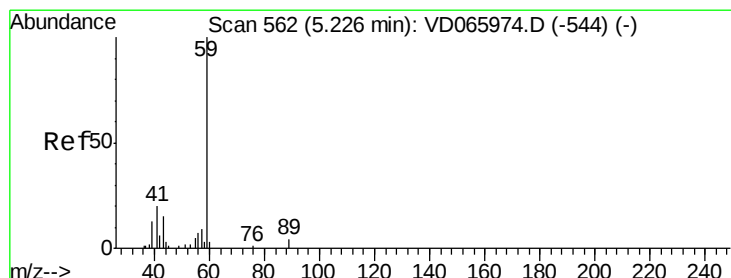
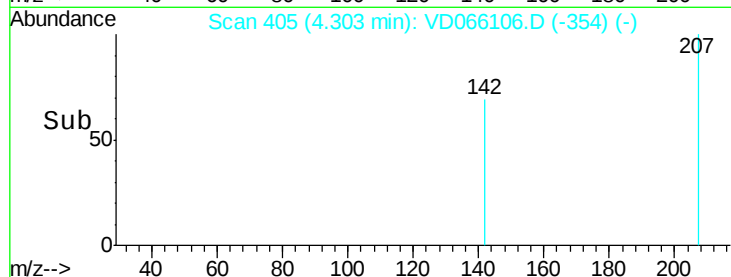
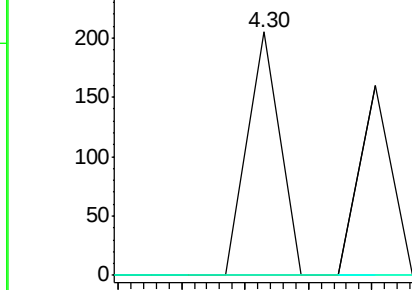
#10
Methvl Iodide
Concen: 8.843 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
CS-12

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	32.9	49.3#
141	0.0	11.8	17.6#

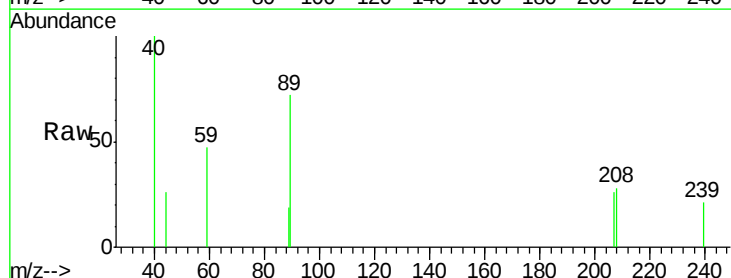


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

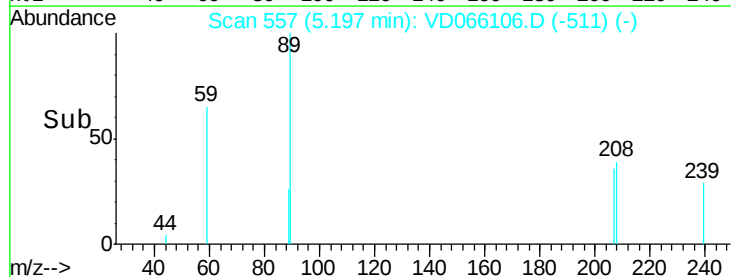
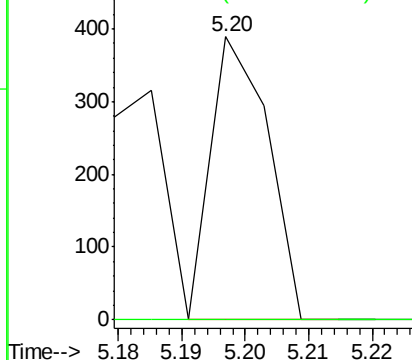


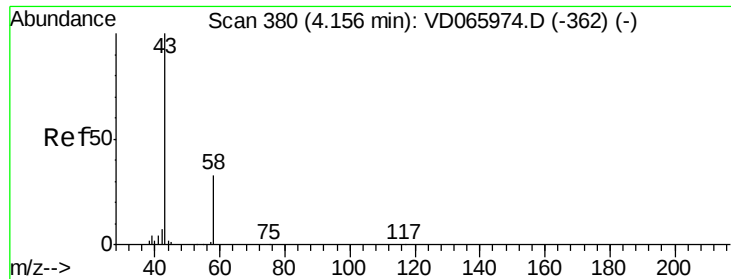
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.5	6.7#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 6.502 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

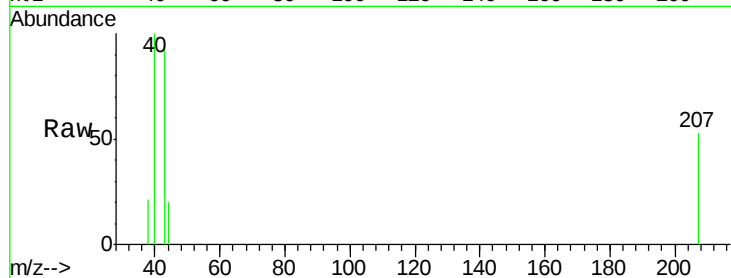
CS-12

Tot Ion: 43 Resp: 2369

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

800

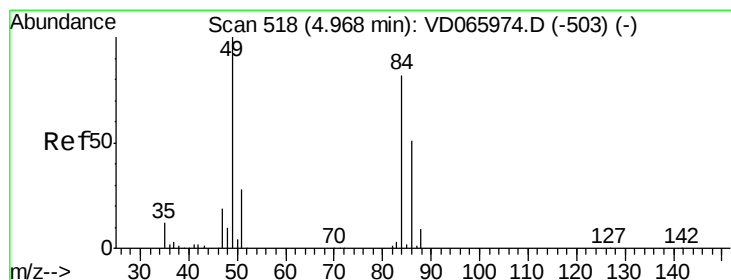
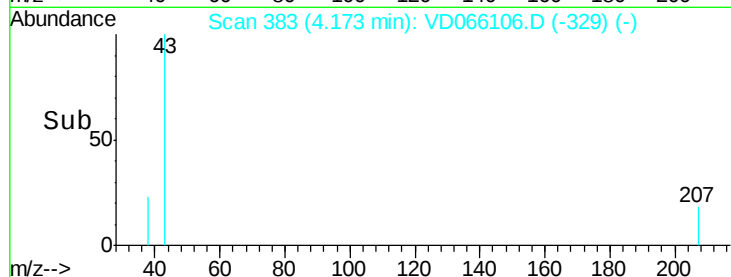
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 6.735 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

Tgt Ion: 84 Resp: 18737

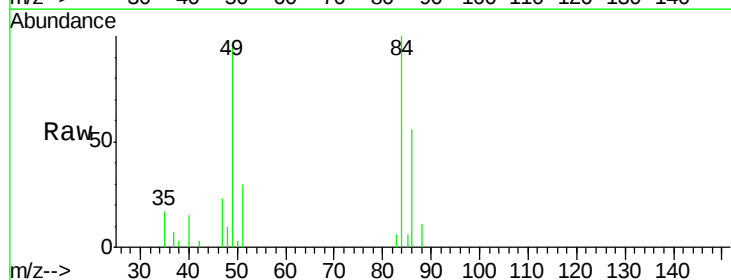
Ion Ratio Lower Upper

84 100

49 96.8 97.7 146.5#

51 29.8 27.4 41.2

86 55.9 49.4 74.2



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

10000

8000

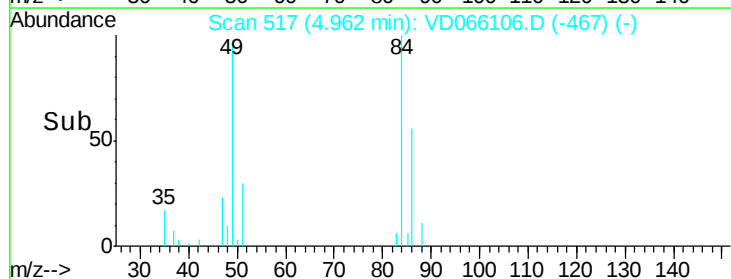
6000

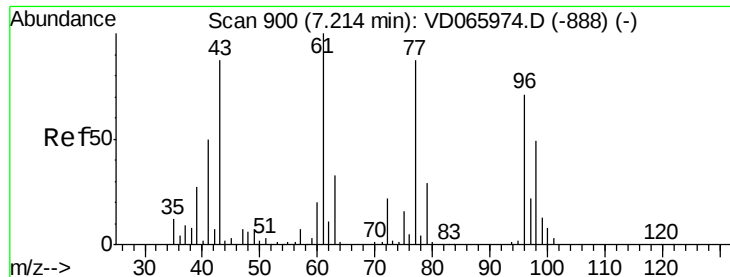
4000

2000

0

Time-->

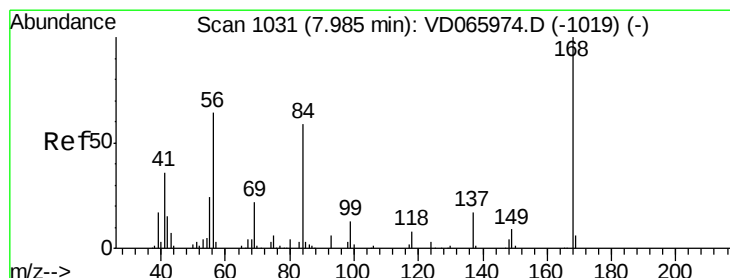
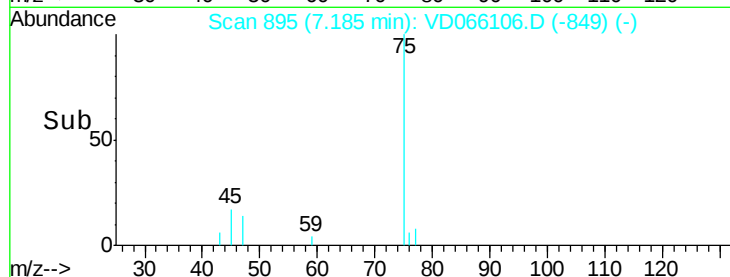
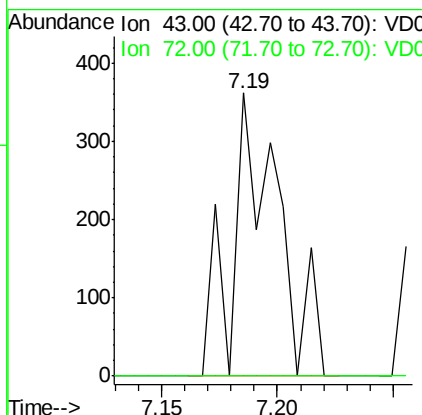
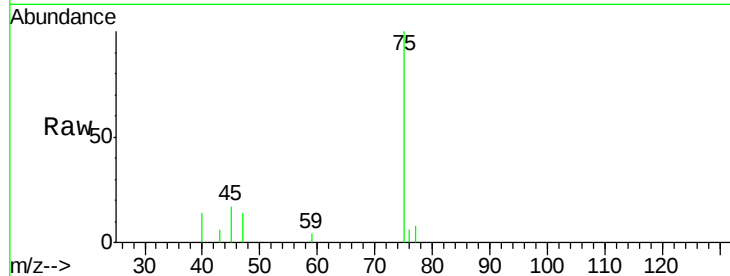




#25
2-Butanone
Concen: 1.057 ug/l
RT: 7.19 min Scan# 895
Delta R.T. -0.03 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

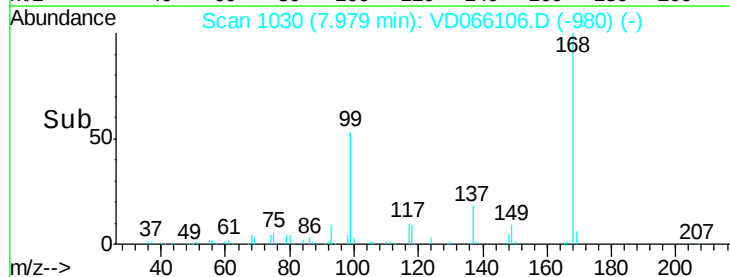
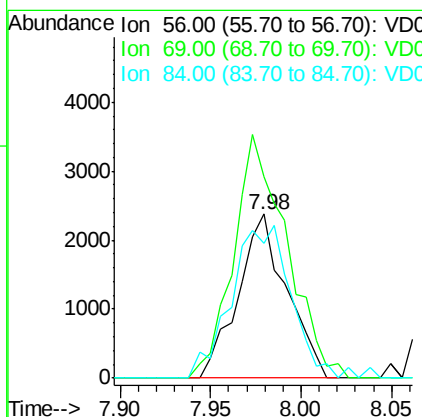
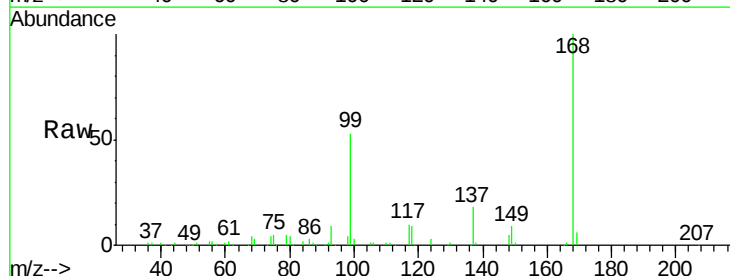
Instrument :
MSVOA_D
ClientSampled :
CS-12

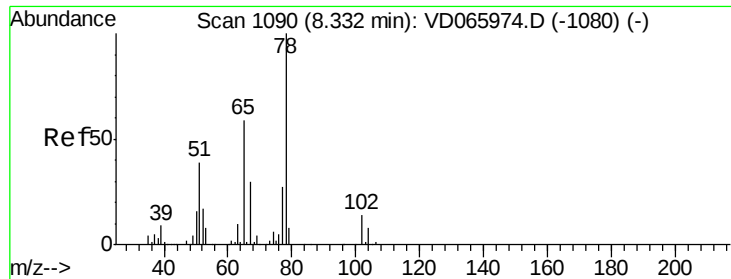
Tot Ion: 43 Resp: 511
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.369 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

Tgt Ion: 56 Resp: 4433
Ion Ratio Lower Upper
56 100
69 122.7 28.0 42.0#
84 82.5 72.6 109.0





#33

1,2-Dichloroethane-d4

Concen: 54.898 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

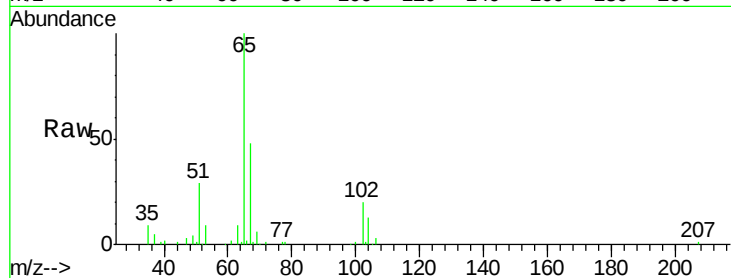
CS-12

Tot Ion: 65 Resp: 98814

Ion Ratio Lower Upper

65 100

67 48.3 0.0 105.0

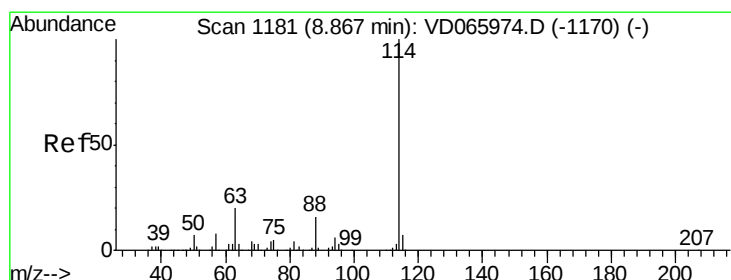
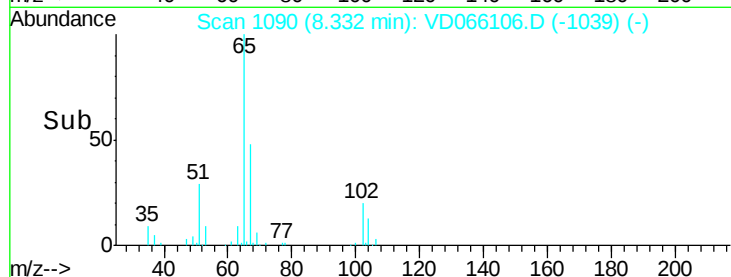


Abundance Ion 64.90 (64.60 to 65.60): VD066106.D (-1039) (-)

Ion 66.90 (66.60 to 67.60): VD066106.D (-1039) (-)

8.33

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

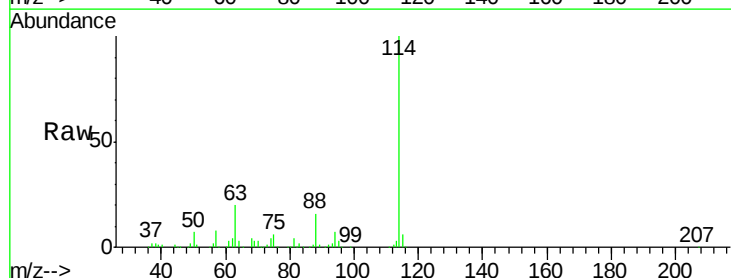
Tgt Ion: 114 Resp: 357352

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.8 0.0 31.2



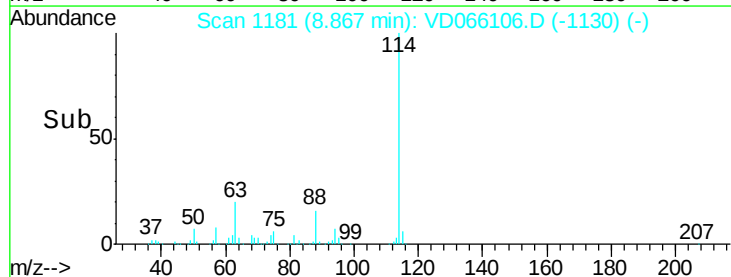
Abundance Ion 113.90 (113.60 to 114.60): VD066106.D (-1130) (-)

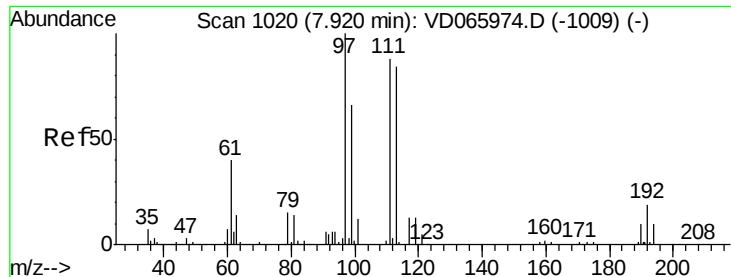
Ion 63.00 (62.70 to 63.70): VD066106.D (-1130) (-)

Ion 87.90 (87.60 to 88.60): VD066106.D (-1130) (-)

8.87

Time--> 8.75 8.80 8.85 8.90 8.95

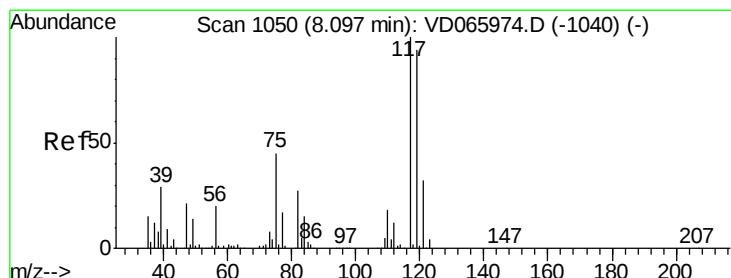
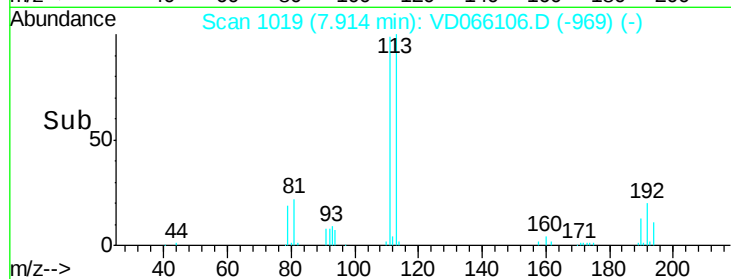
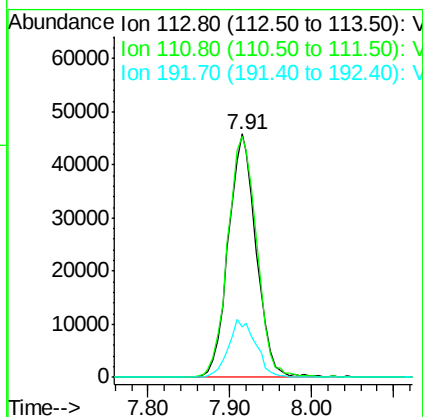
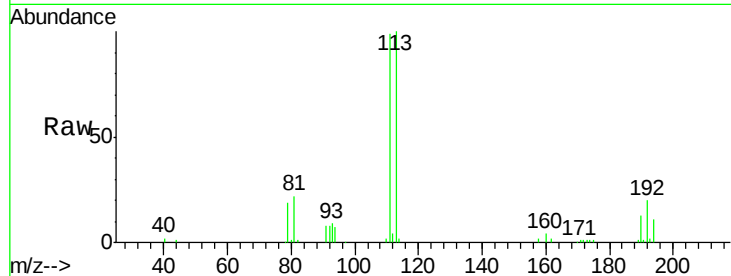




#35
 Dibromofluoromethane
 Concen: 50.051 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066106.D
 Acq: 30 Jul 2020 12:51

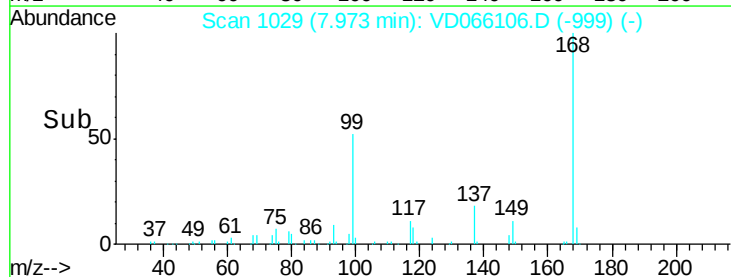
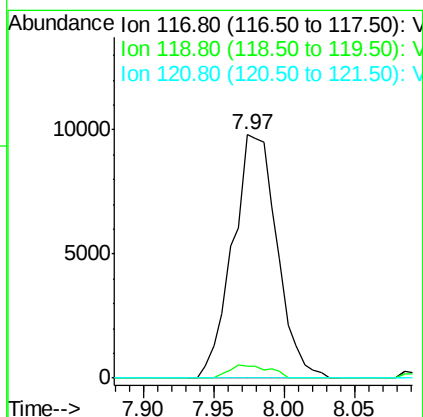
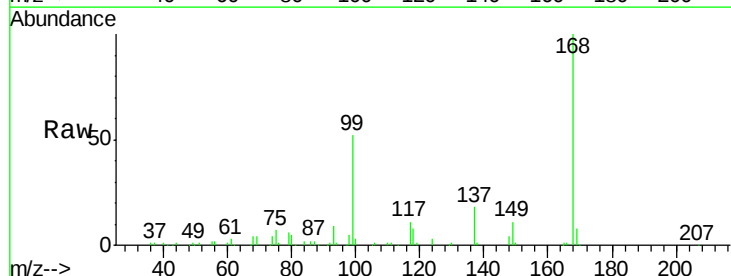
Instrument :
 MSVOA_D
 ClientSampled :
 CS-12

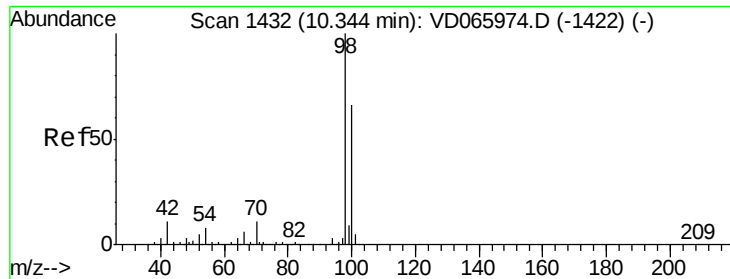
Tot Ion:113 Resp: 108483
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.2 124.8
 192 23.4 18.7 28.1



#38
 Carbon Tetrachloride
 Concen: 6.504 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066106.D
 Acq: 30 Jul 2020 12:51

Tgt Ion:117 Resp: 21523
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.0 112.6#
 121 0.0 25.5 38.3#

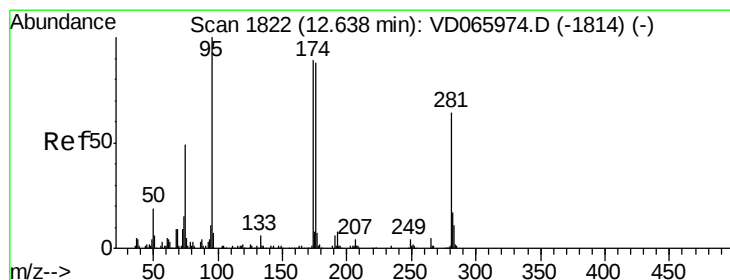
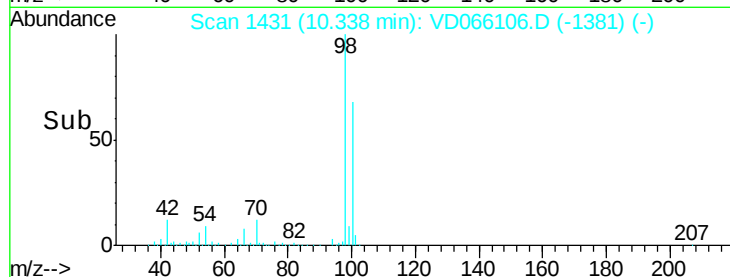
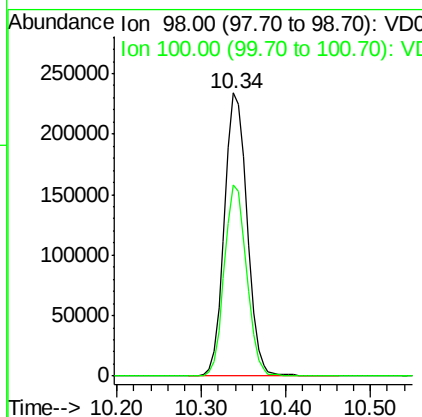
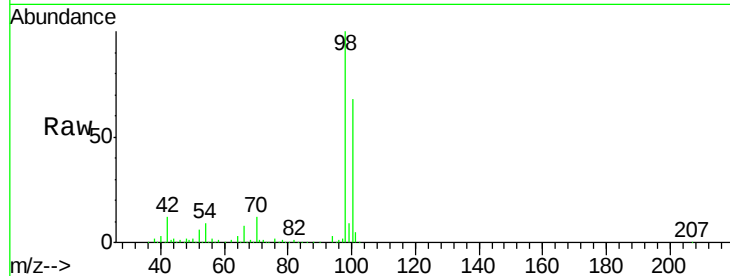




#50
Toluene-d8
Concen: 53.826 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

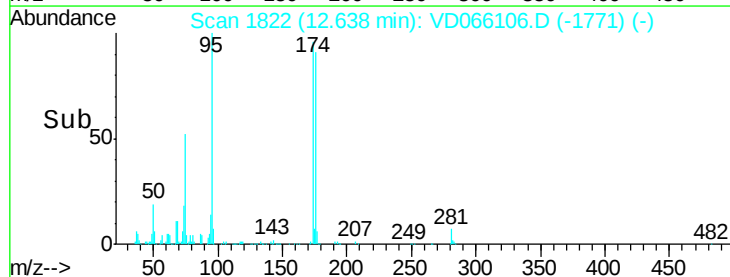
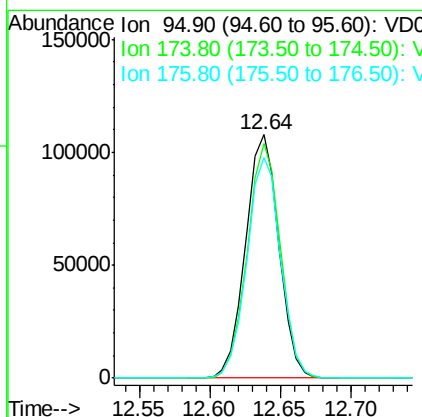
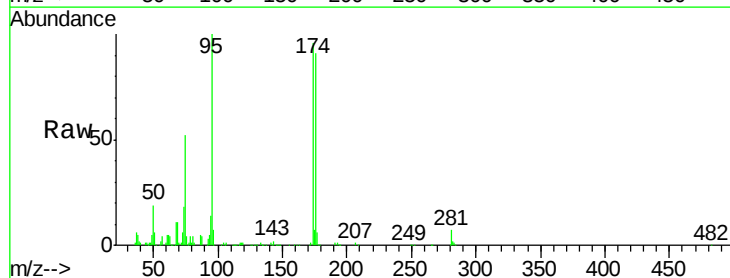
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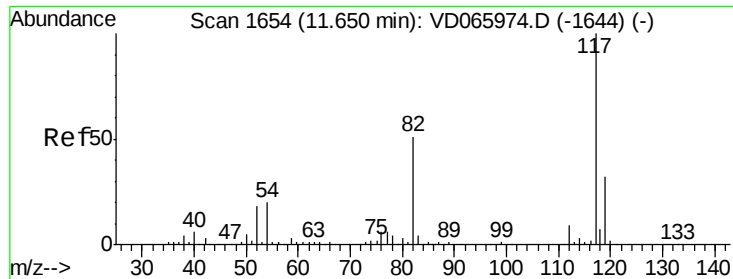
Tot Ion: 98 Resp: 434606
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 63.731 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

Tgt Ion: 95 Resp: 178427
Ion Ratio Lower Upper
95 100
174 95.9 0.0 178.8
176 91.7 0.0 172.6

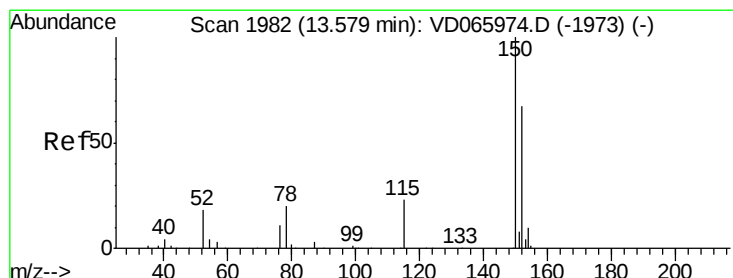
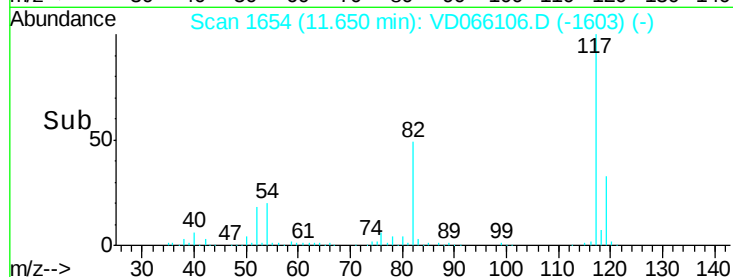
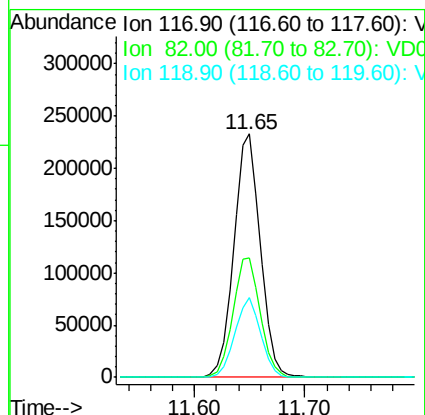
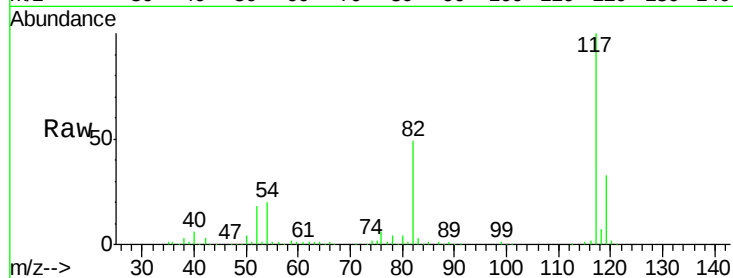




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

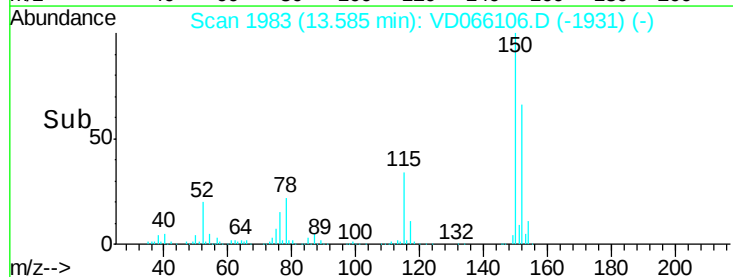
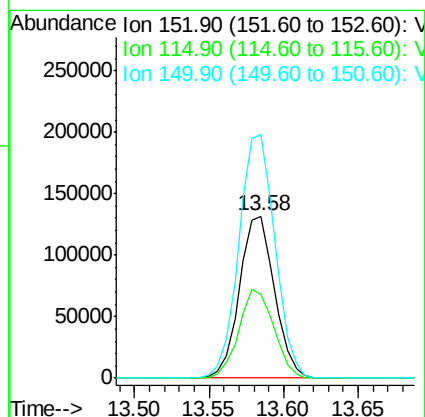
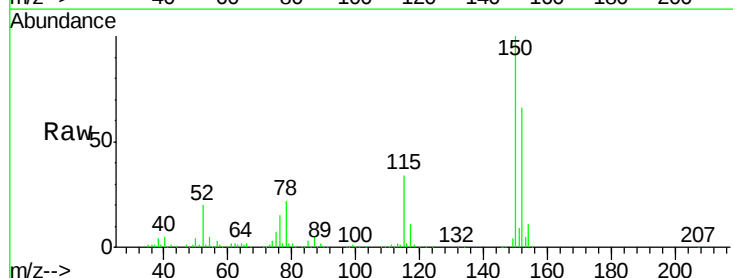
Instrument :
MSVOA_D
ClientSampleId :
CS-12

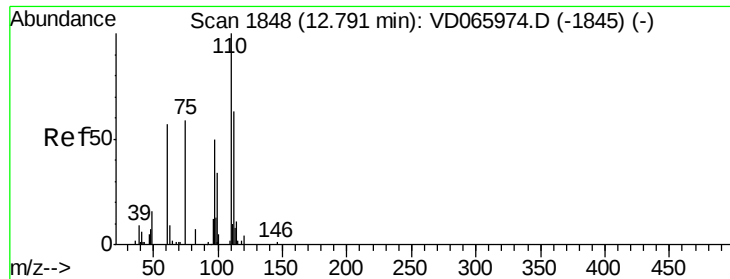
Tot Ion:117 Resp: 391637
Ion Ratio Lower Upper
117 100
82 49.0 41.1 61.7
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066106.D
Acq: 30 Jul 2020 12:51

Tgt Ion:152 Resp: 213685
Ion Ratio Lower Upper
152 100
115 55.0 27.9 83.7
150 155.5 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.880 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

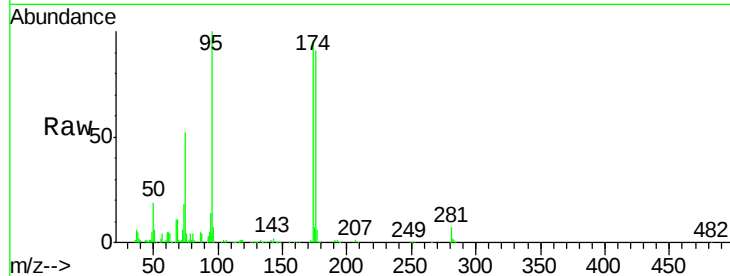
CS-12

Tot Ion: 75 Resp: 91517

Ion Ratio Lower Upper

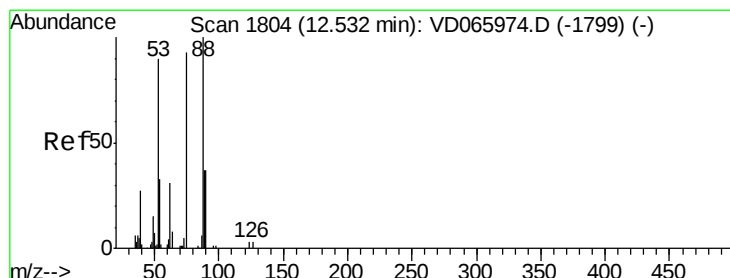
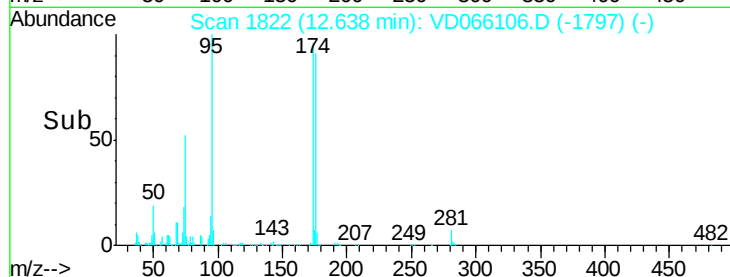
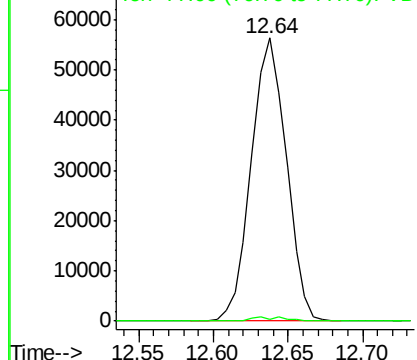
75 100

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: 130.521 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066106.D

Acq: 30 Jul 2020 12:51

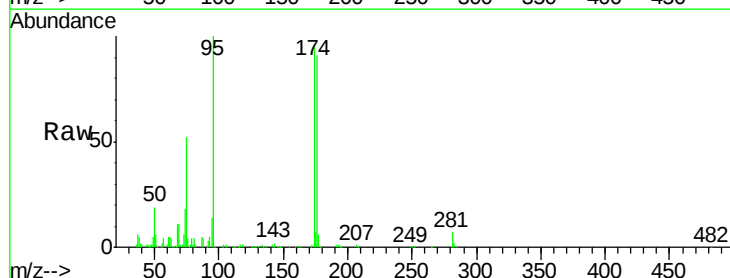
Tgt Ion: 75 Resp: 91517

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

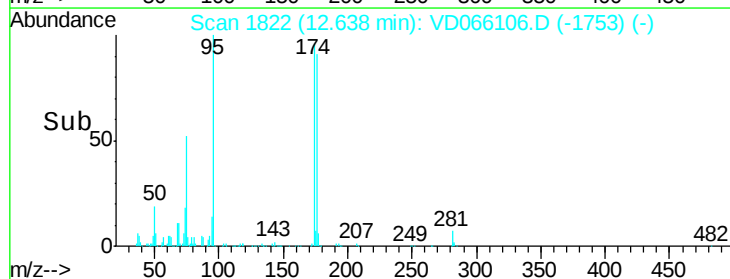
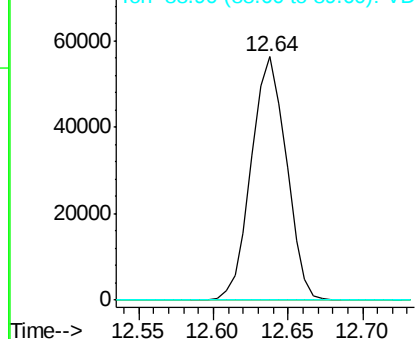
89 0.1 37.0 55.4#

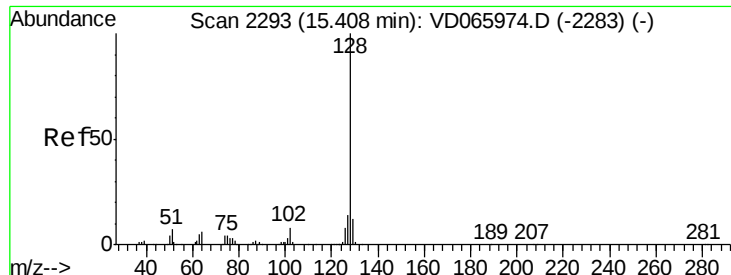


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.639 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066106.D

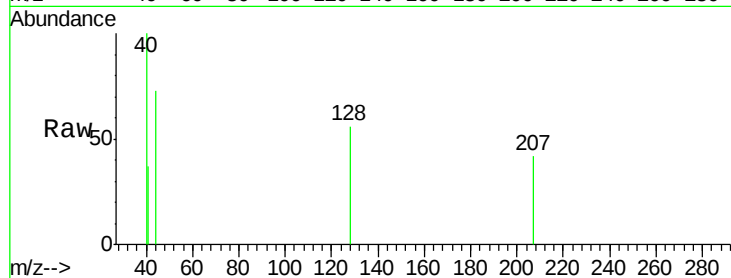
Acq: 30 Jul 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

CS-12



Tot Ion:128 Resp: 673

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#

