

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022820\
 Data File : VD065357.D
 Acq On : 28 Feb 2020 14:24
 Operator : VA/SY
 Sample : L1740-03
 Misc : 8.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-08-022720

Quant Time: Feb 28 15:35:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	546224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	894862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	658446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153389	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	266116	54.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.32%	
35) Dibromofluoromethane	7.92	113	292876	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
50) Toluene-d8	10.34	98	1037329	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.64	95	198431	30.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.06%	

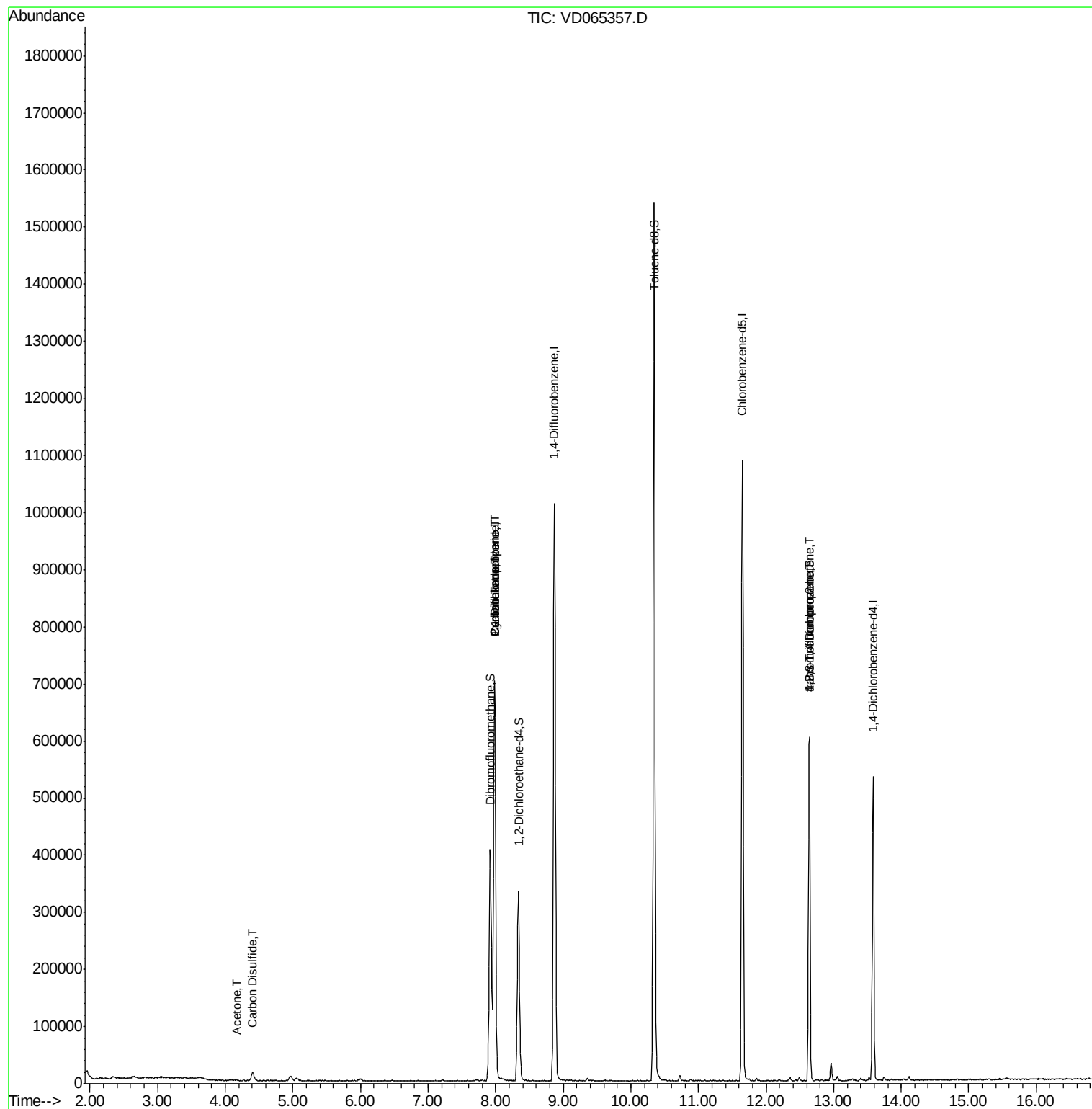
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.66	56	56	Below Cal	#	1
16) Acetone	4.17	43	1947	1.62	ug/l	96
17) Carbon Disulfide	4.41	76	31967	1.88	ug/l	97
20) Methylene Chloride	4.97	84	5719	Below Cal		94
31) Cyclohexane	7.99	56	11470	1.19	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	38956	4.47	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	51919	5.86	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	95649	73.29	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	95649	158.25	ug/l	# 11

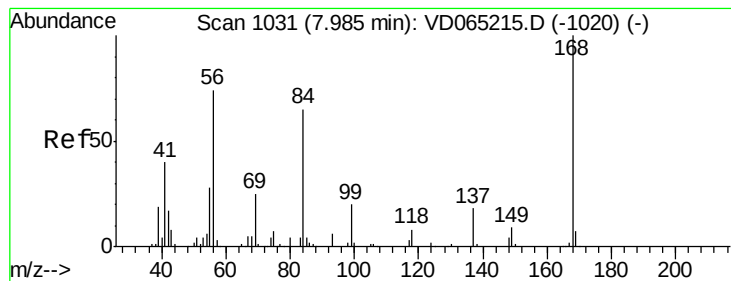
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

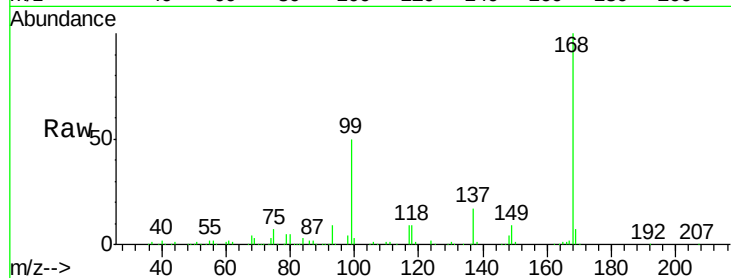
GP-08-022720

Tgt Ion:168 Resp: 546224

Ion Ratio Lower Upper

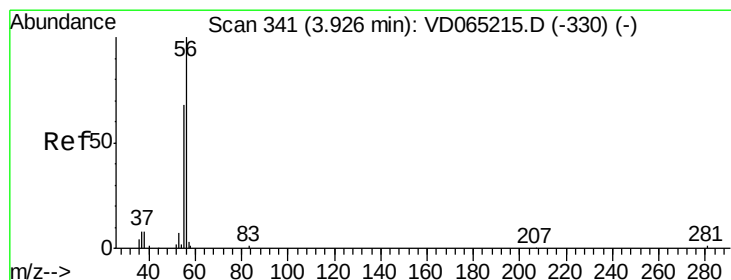
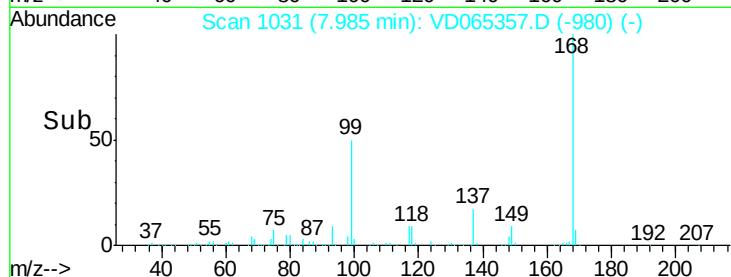
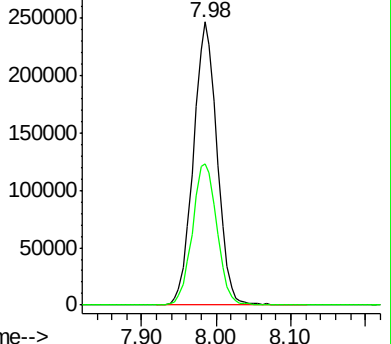
168 100

99 50.0 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.66 min Scan# 296

Delta R.T. -0.26 min

Lab File: VD065357.D

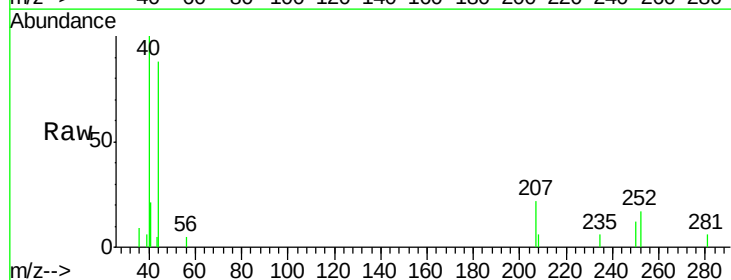
Acq: 28 Feb 2020 14:24

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

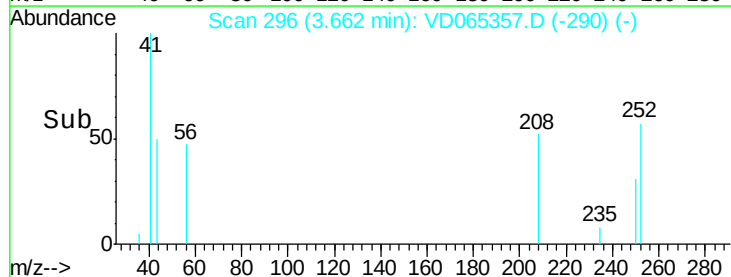
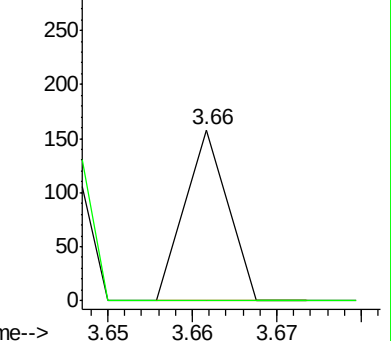
56 100

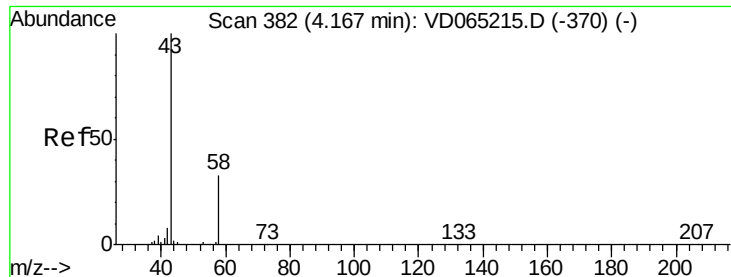
55 164.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 1.62 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

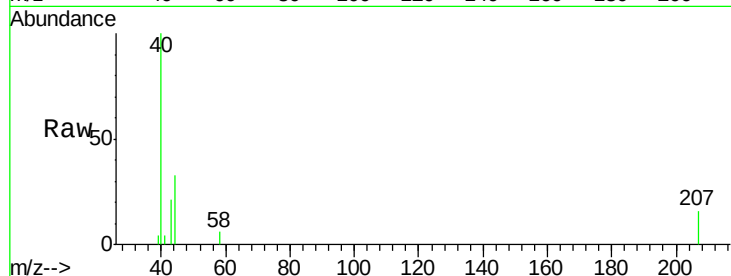
GP-08-022720

Tgt Ion: 43 Resp: 1947

Ion Ratio Lower Upper

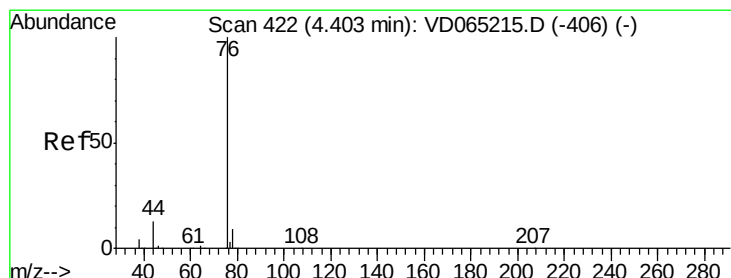
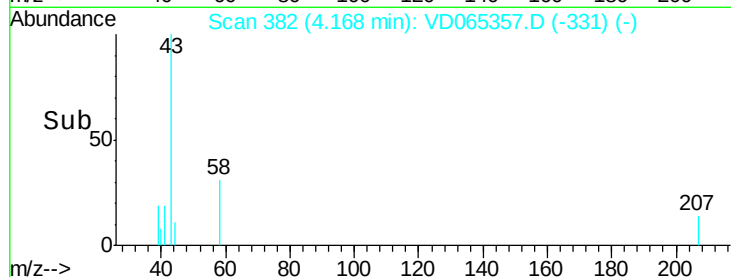
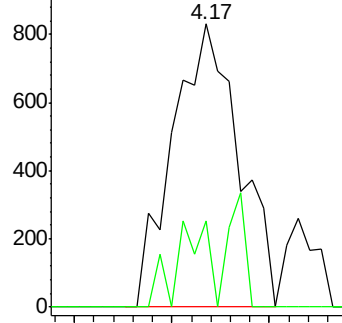
43 100

58 30.6 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.88 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065357.D

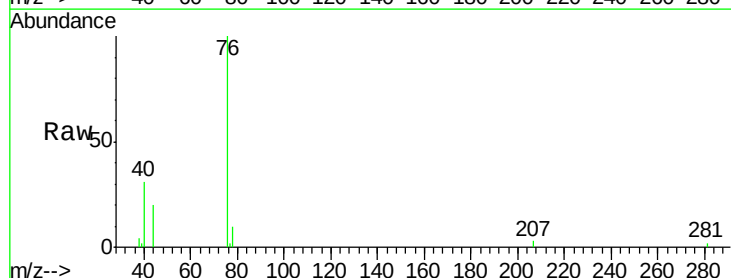
Acq: 28 Feb 2020 14:24

Tgt Ion: 76 Resp: 31967

Ion Ratio Lower Upper

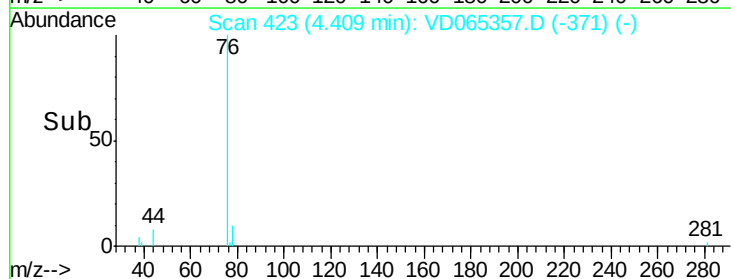
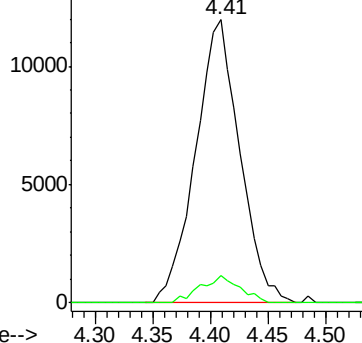
76 100

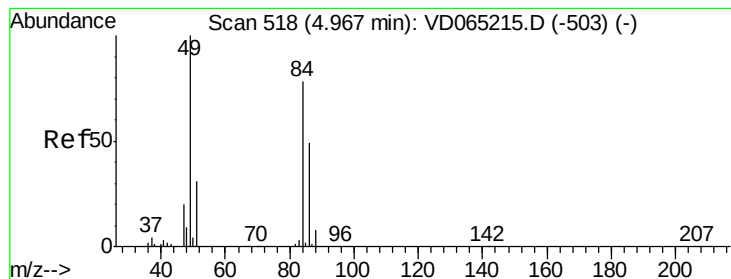
78 9.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

GP-08-022720

Tgt Ion: 84 Resp: 5719

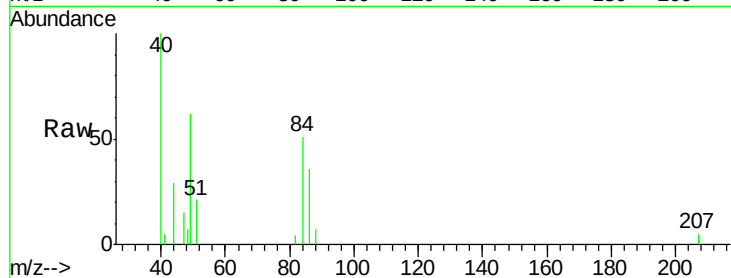
Ion Ratio Lower Upper

84 100

49 122.2 103.1 154.7

51 41.5 31.7 47.5

86 70.1 50.9 76.3

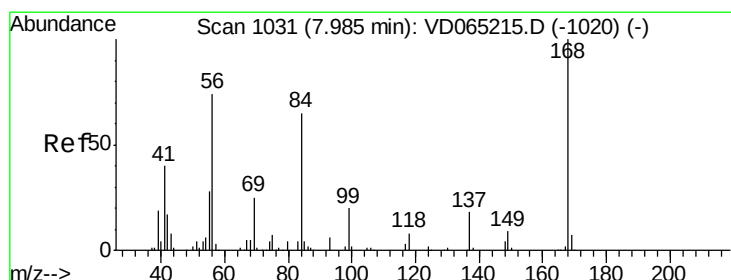
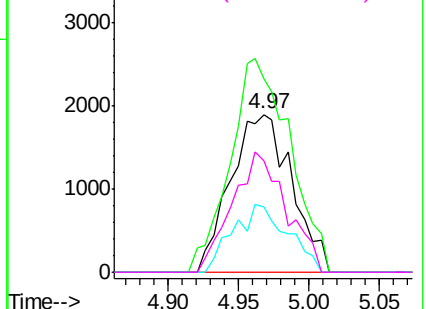
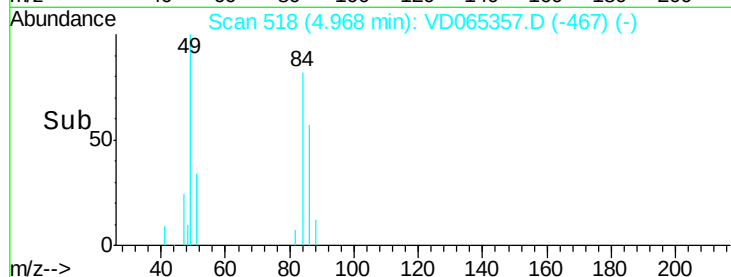


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.19 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

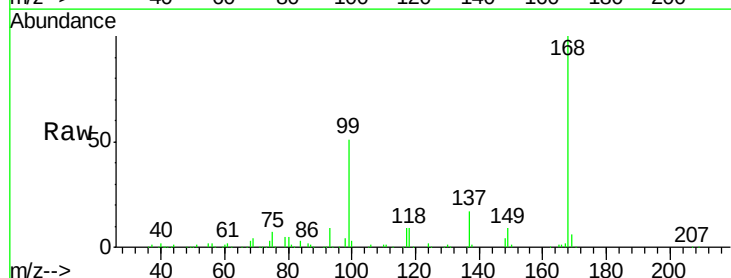
Tgt Ion: 56 Resp: 11470

Ion Ratio Lower Upper

56 100

69 172.1 27.4 41.0#

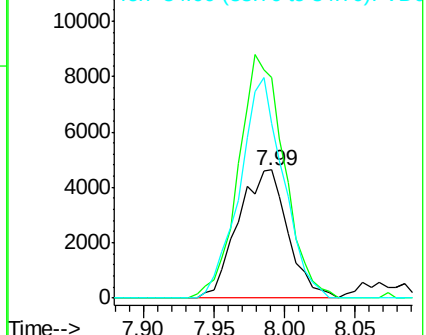
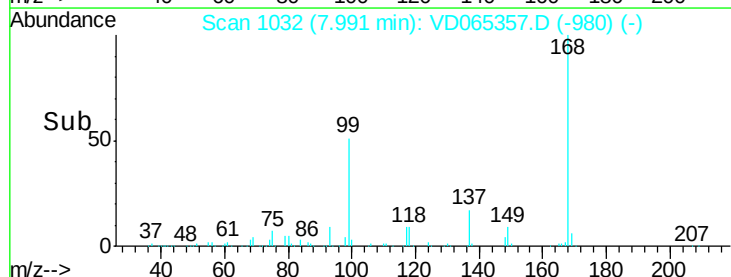
84 135.9 71.1 106.7#

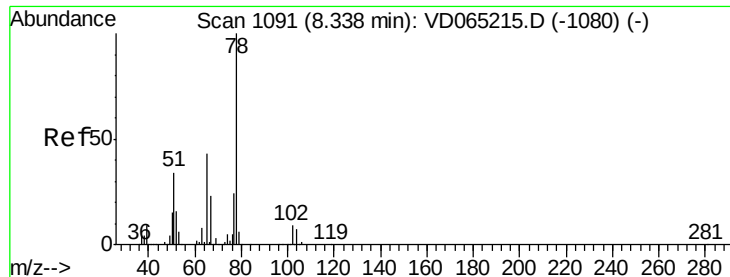


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

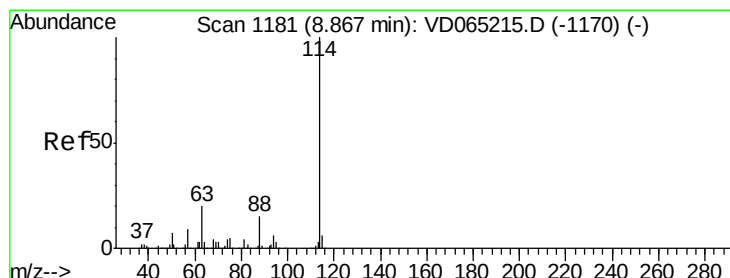
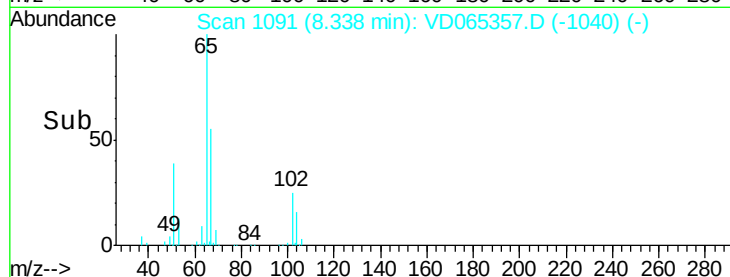
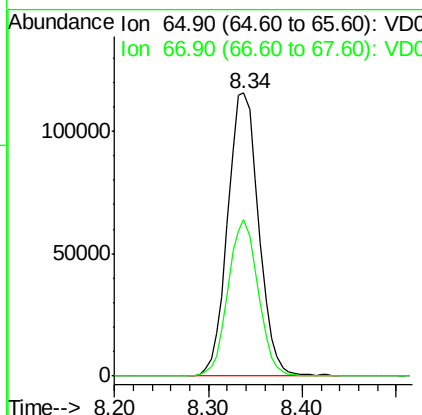
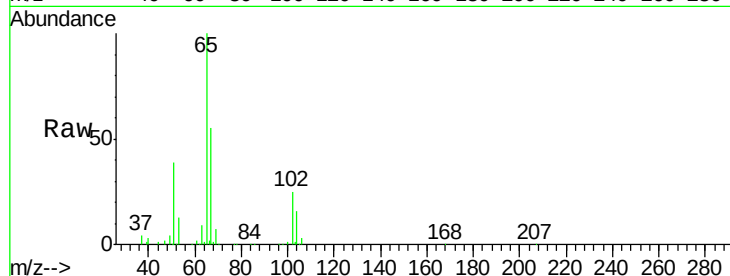




#33
 1,2-Dichloroethane-d4
 Concen: 54.16 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065357.D
 Acq: 28 Feb 2020 14:24

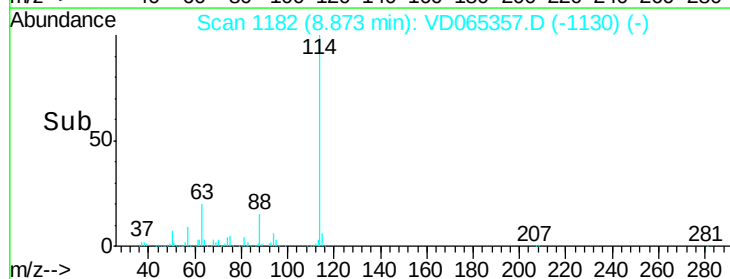
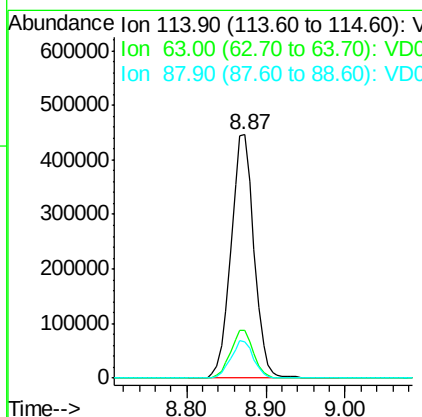
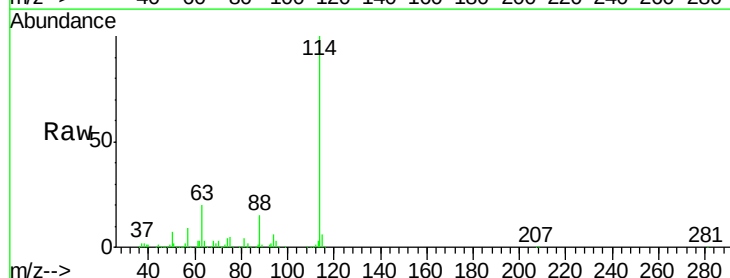
Instrument :
 MSVOA_D
 ClientSampleId :
 GP-08-022720

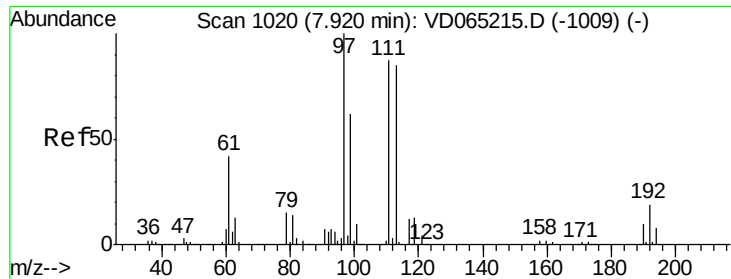
Tgt Ion: 65 Resp: 266116
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065357.D
 Acq: 28 Feb 2020 14:24

Tgt Ion: 114 Resp: 894862
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 14.8 0.0 30.4

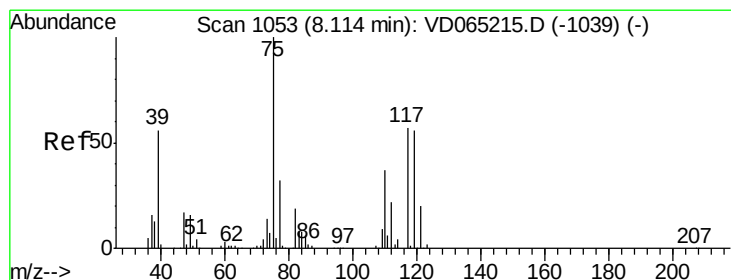
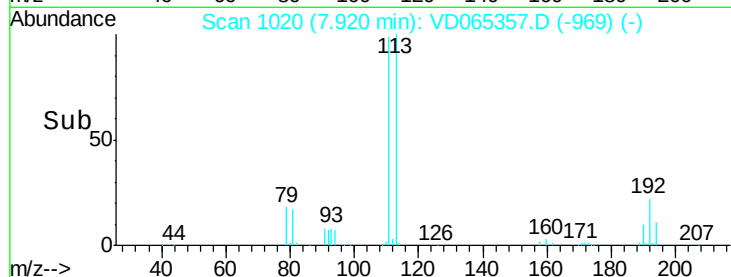
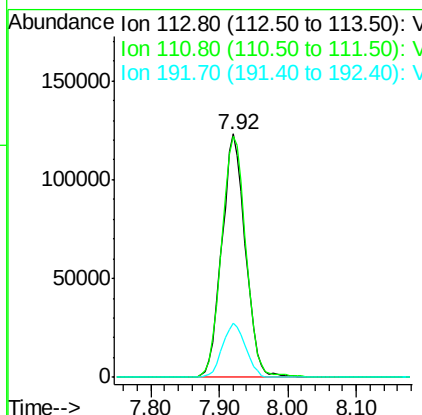
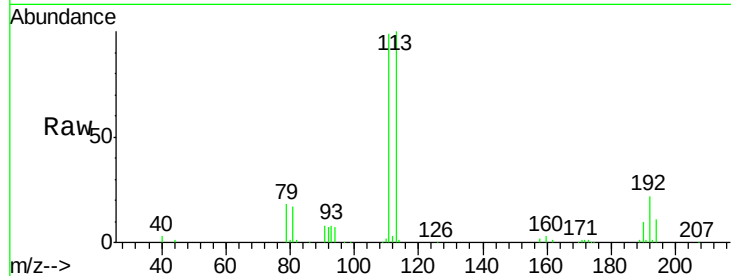




#35
 Dibromofluoromethane
 Concen: 53.68 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065357.D
 Acq: 28 Feb 2020 14:24

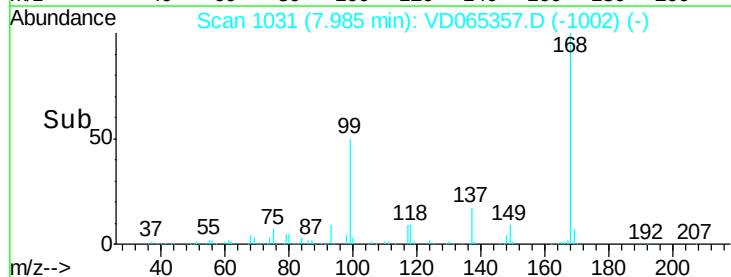
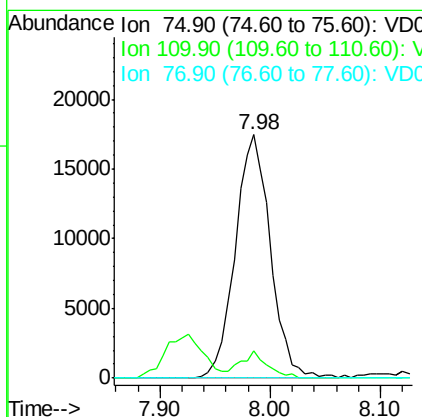
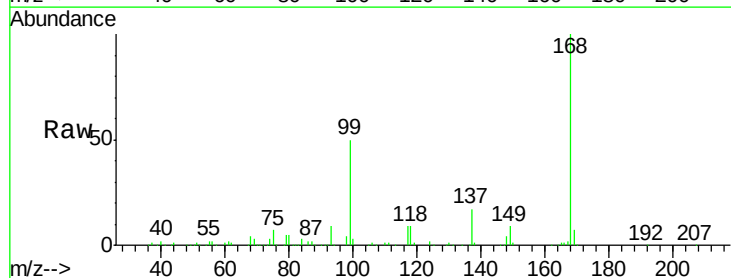
Instrument :
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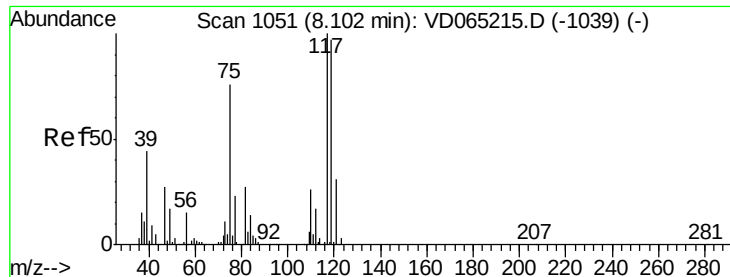
Tgt Ion:113 Resp: 292876
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.9 124.3
 192 22.1 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065357.D
 Acq: 28 Feb 2020 14:24

Tgt Ion: 75 Resp: 38956
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.9 53.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.86 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

GP-08-022720

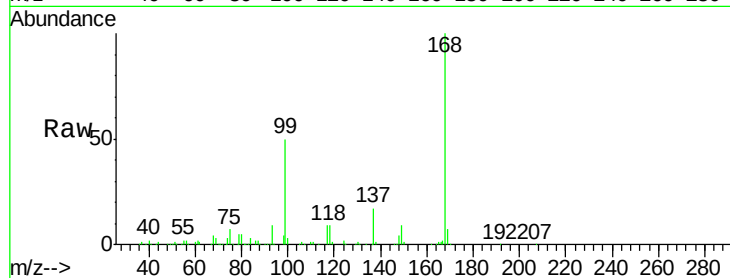
Tgt Ion:117 Resp: 51919

Ion Ratio Lower Upper

117 100

119 5.6 77.6 116.4#

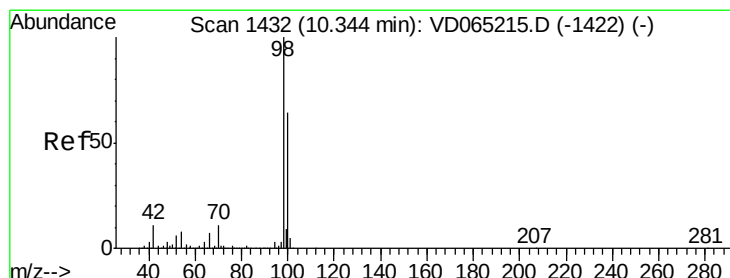
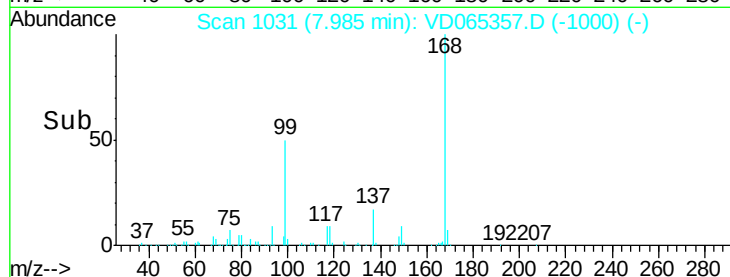
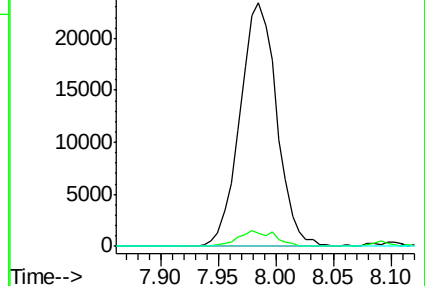
121 0.0 24.8 37.2#



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: 49.73 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065357.D

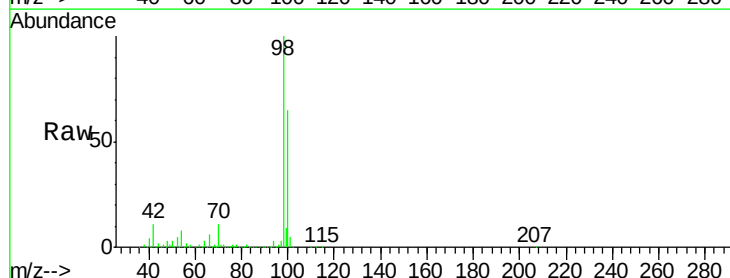
Acq: 28 Feb 2020 14:24

Tgt Ion: 98 Resp: 1037329

Ion Ratio Lower Upper

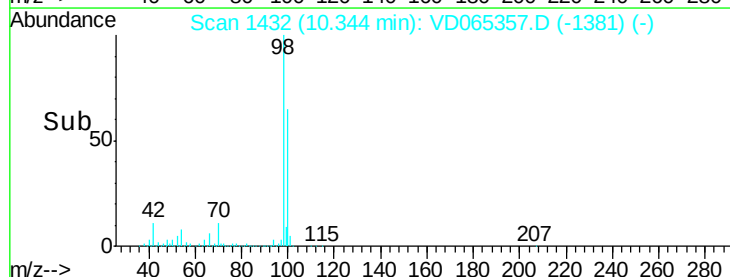
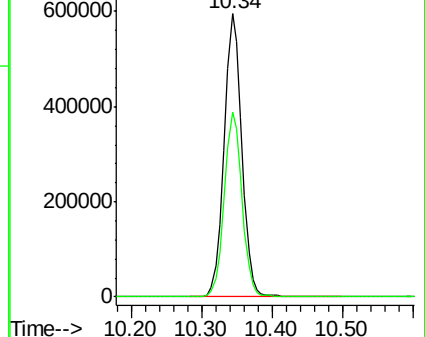
98 100

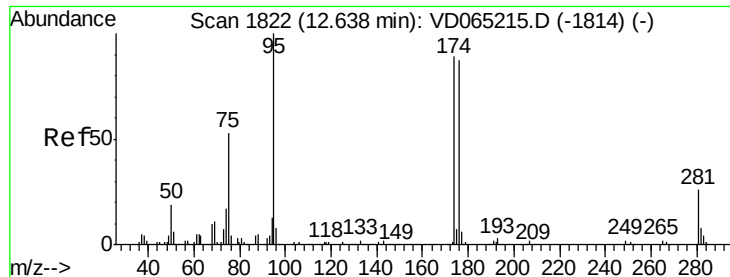
100 65.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

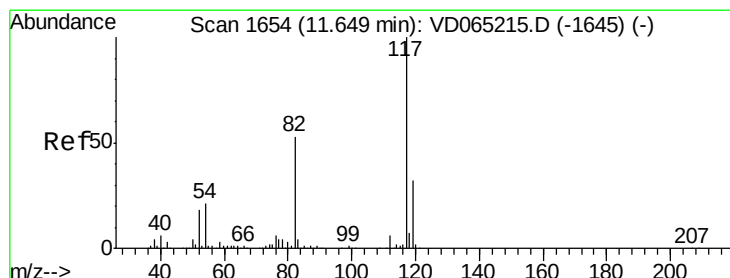
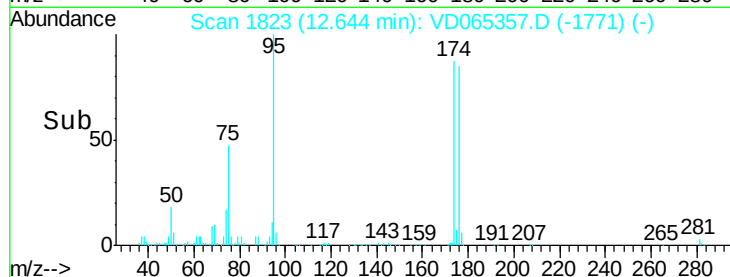
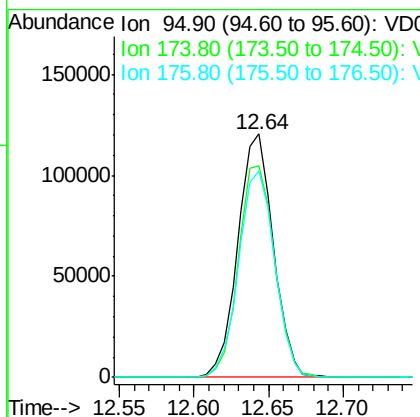
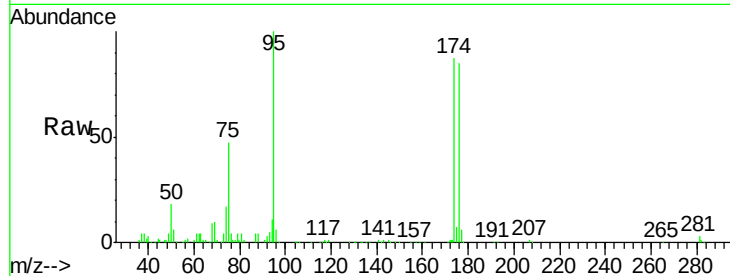




#62
4-Bromofluorobenzene
Concen: 30.03 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065357.D
Acq: 28 Feb 2020 14:24

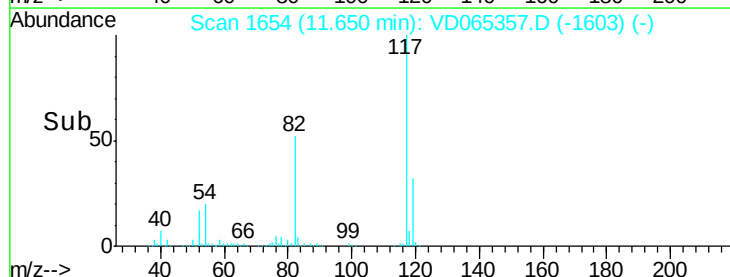
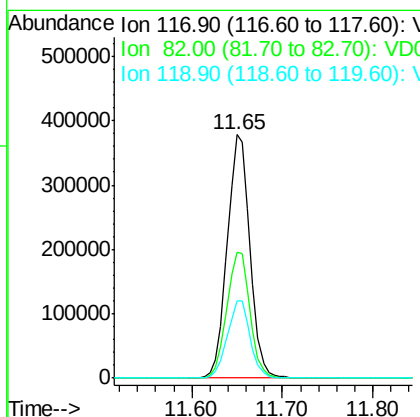
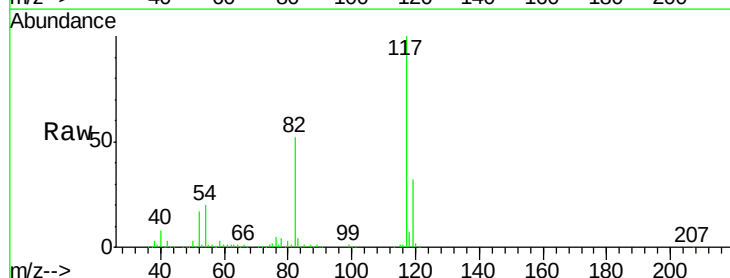
Instrument :
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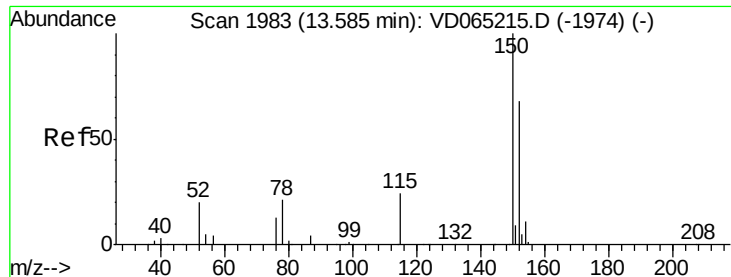
Tgt Ion: 95 Resp: 198431
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.0
176 86.3 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065357.D
Acq: 28 Feb 2020 14:24

Tgt Ion: 117 Resp: 658446
Ion Ratio Lower Upper
117 100
82 51.8 42.7 64.1
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065357.D

Acq: 28 Feb 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

GP-08-022720

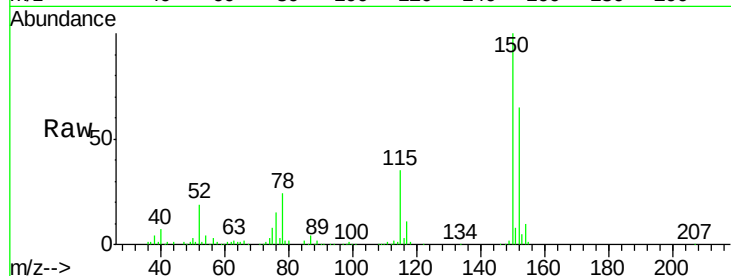
Tgt Ion:152 Resp: 153389

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

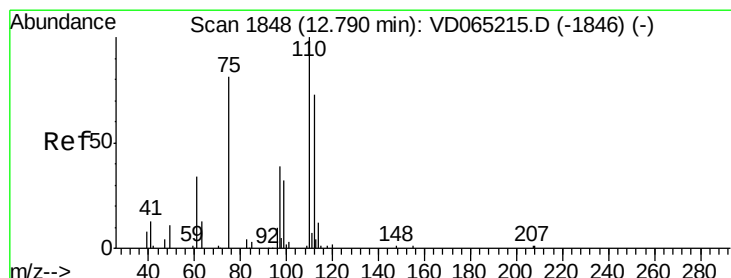
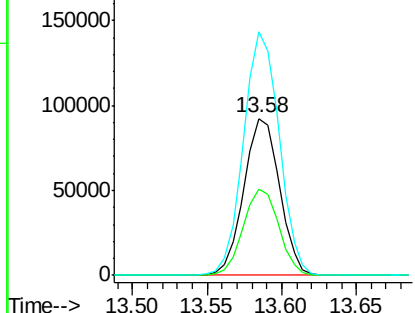
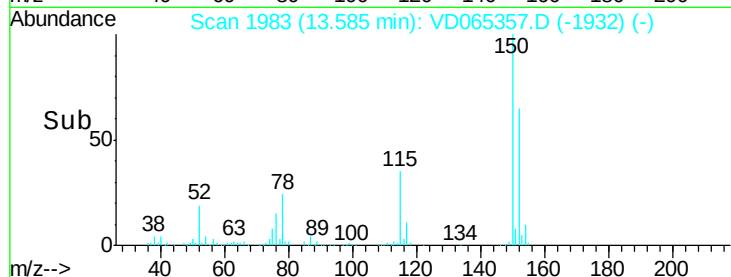
150 154.6 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 73.29 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065357.D

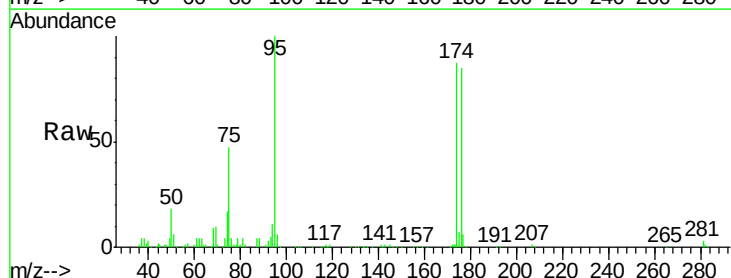
Acq: 28 Feb 2020 14:24

Tgt Ion: 75 Resp: 95649

Ion Ratio Lower Upper

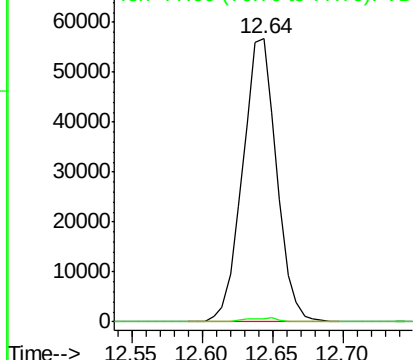
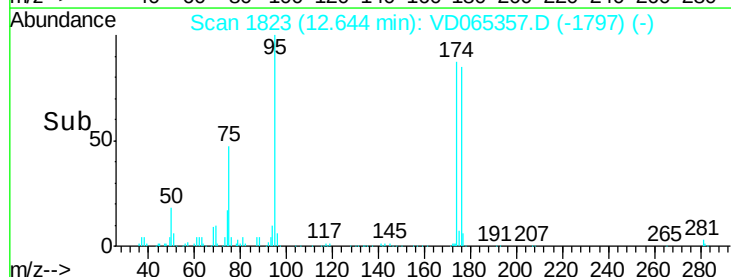
75 100

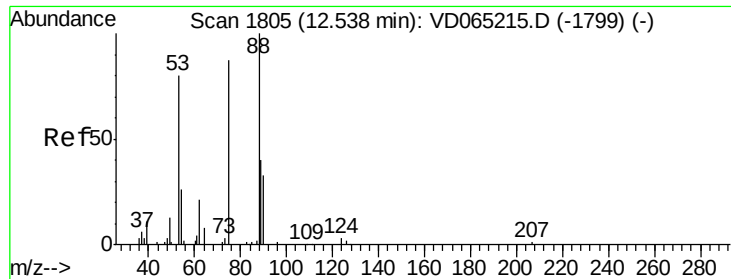
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

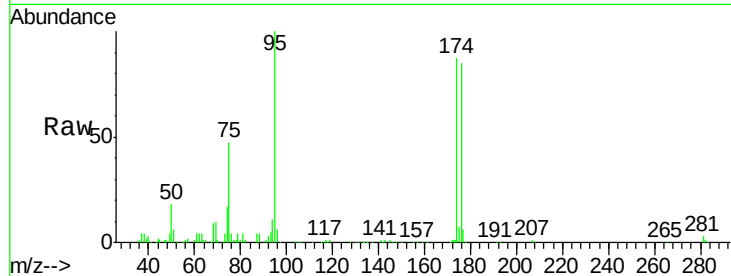




#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.25 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065357.D
 Acq: 28 Feb 2020 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 GP-08-022720

Tgt Ion: 75 Resp: 95649
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.2 55.8#



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

