

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065258.D
 Acq On : 20 Feb 2020 16:29
 Operator : VA/SY
 Sample : L1604-03
 Misc : 5.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:15 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	629831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1036605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	922051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	419128	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	314777	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
35) Dibromofluoromethane	7.92	113	324743	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.34	98	1249112	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.64	95	375394	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	

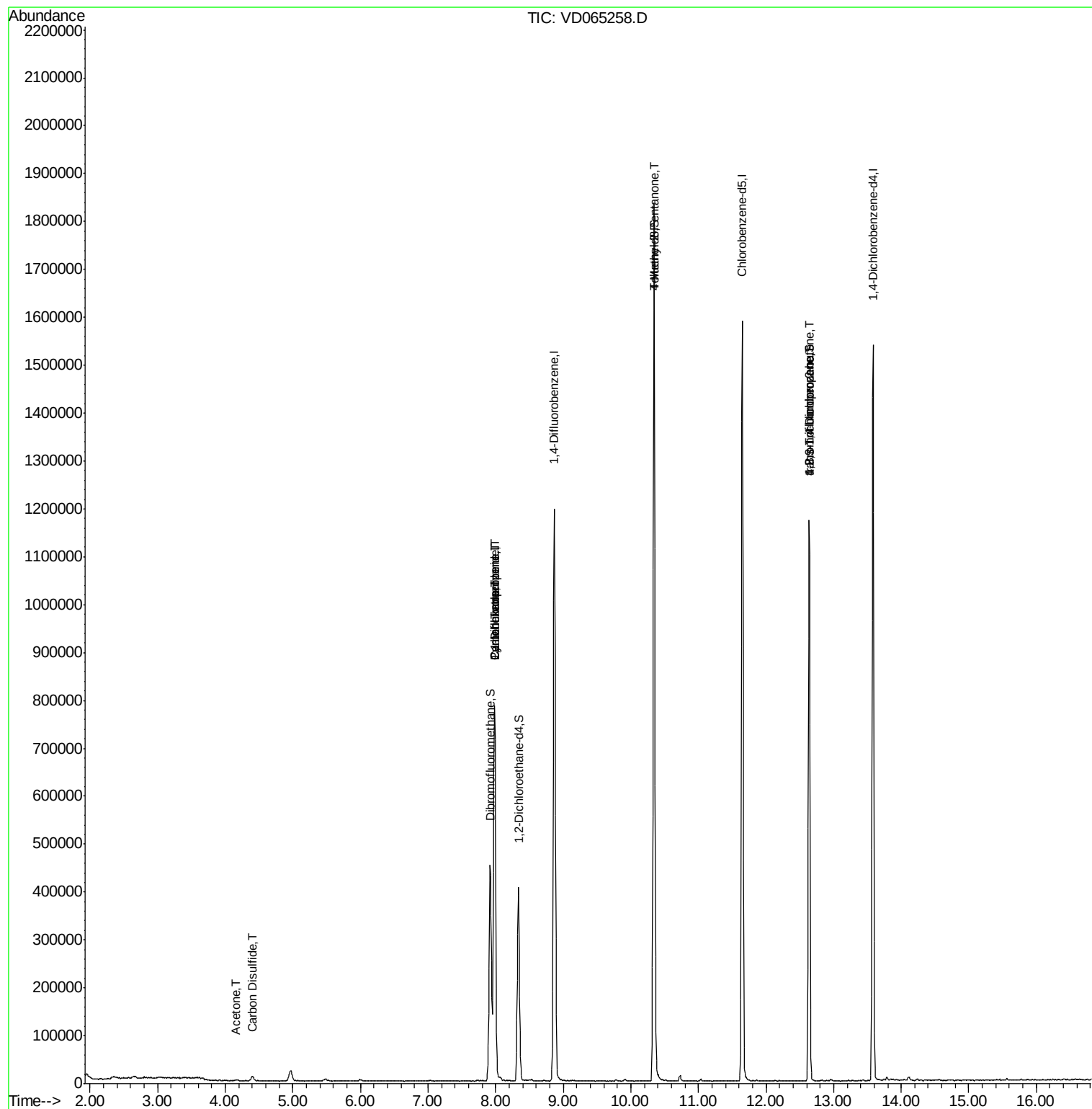
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.81	56	56	Below Cal	#	14
16) Acetone	4.16	43	4056	2.928	ug/l #	57
17) Carbon Disulfide	4.41	76	20097	1.027	ug/l #	94
20) Methylene Chloride	4.96	84	16994	Below Cal		90
31) Cyclohexane	7.98	56	12270	1.101	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	43640	4.327	ug/l #	50
38) Carbon Tetrachloride	7.98	117	58123	5.661	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	5274	1.354	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	187474	52.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	187474	113.512	ug/l #	11

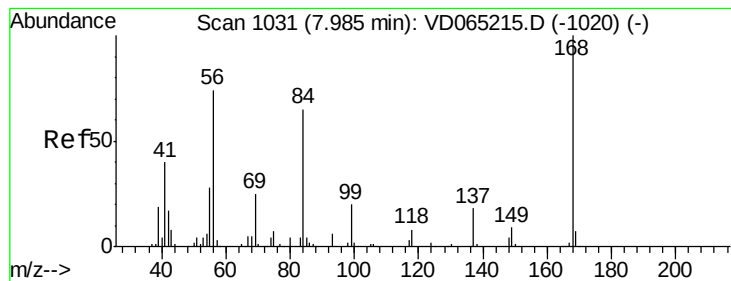
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
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Quant Time: Feb 21 04:04:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

Instrument :

MSVOA_D

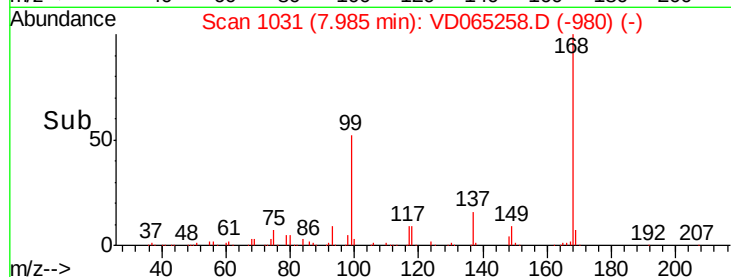
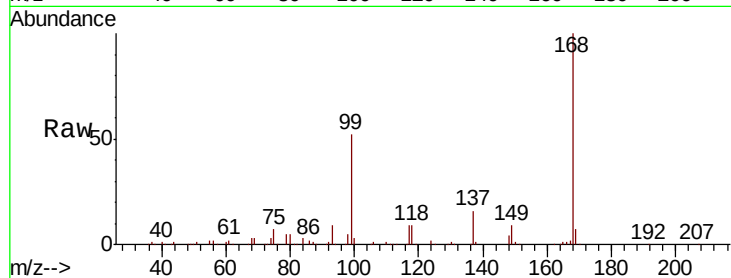
ClientSampleId :

Tot Ion:168 Resp: 629831

Ion Ratio Lower Upper

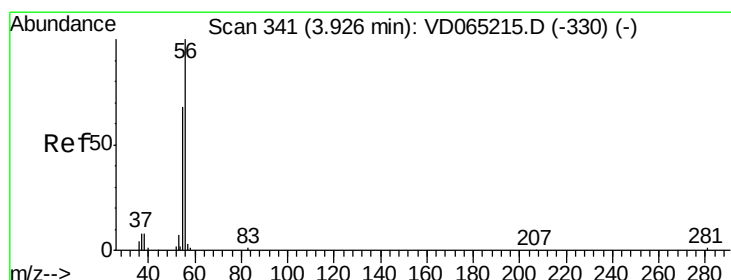
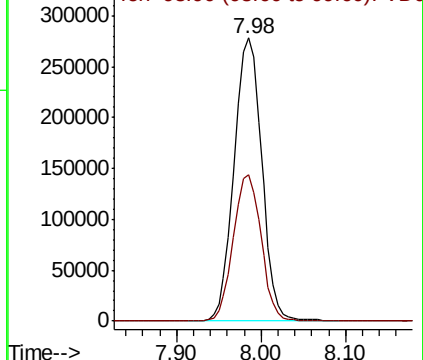
168 100

99 52.0 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: 3.81 min Scan# 322

Delta R.T. -0.11 min

Lab File: VD065258.D

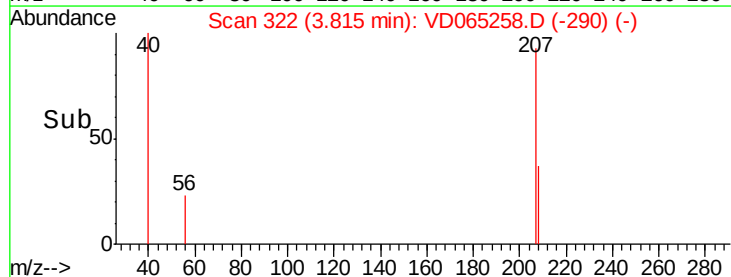
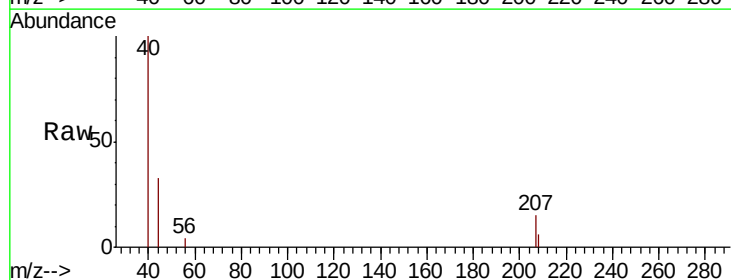
Acq: 20 Feb 2020 16:29

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

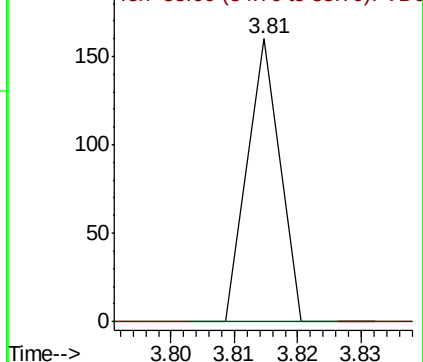
56 100

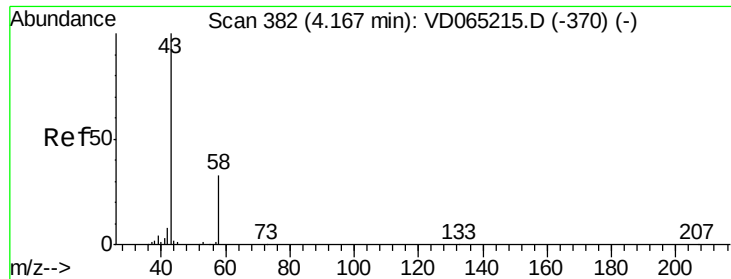
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.928 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

Instrument :

MSVOA_D

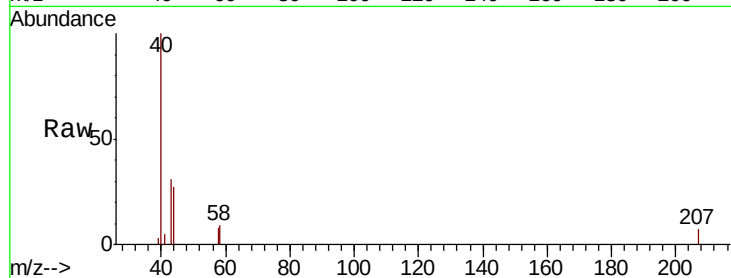
ClientSampleId :

Tot Ion: 43 Resp: 4056

Ion Ratio Lower Upper

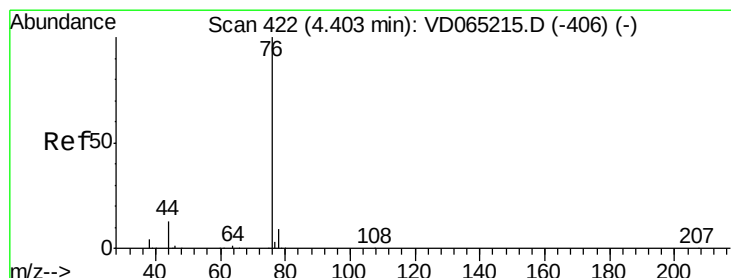
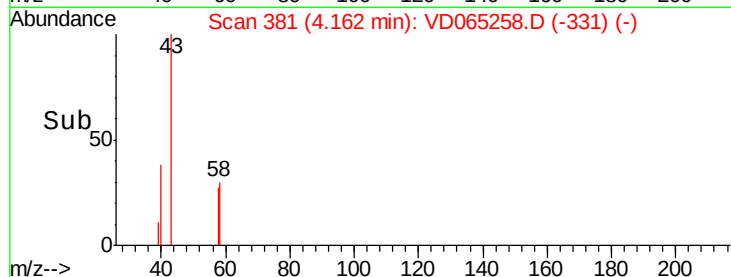
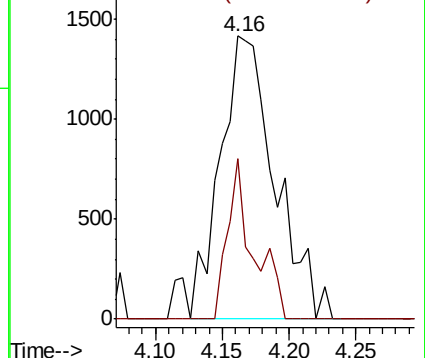
43 100

58 56.7 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: 1.027 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD065258.D

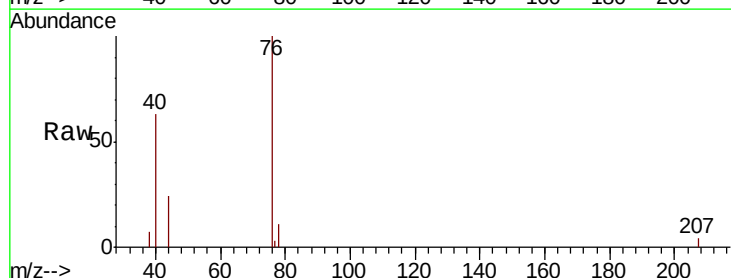
Acq: 20 Feb 2020 16:29

Tgt Ion: 76 Resp: 20097

Ion Ratio Lower Upper

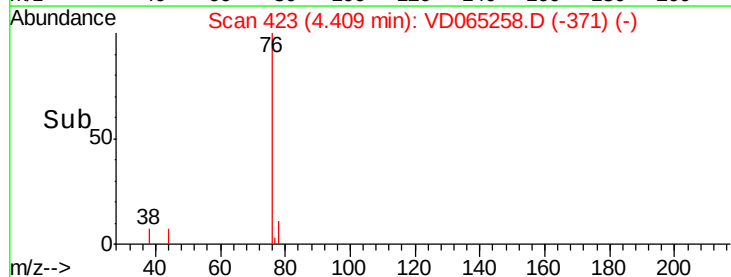
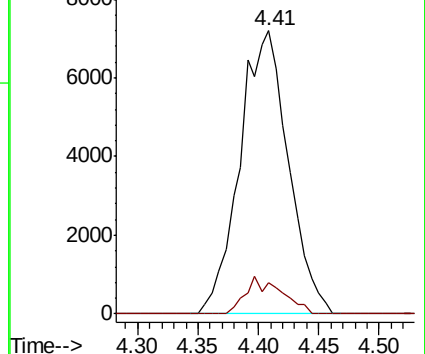
76 100

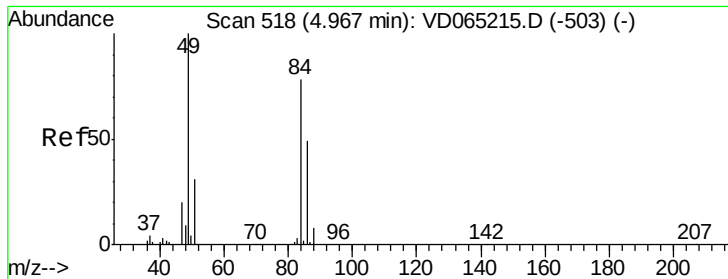
78 11.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

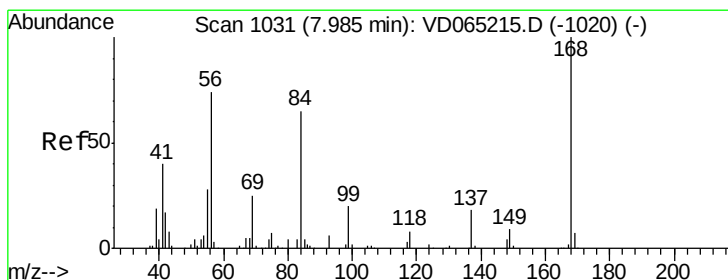
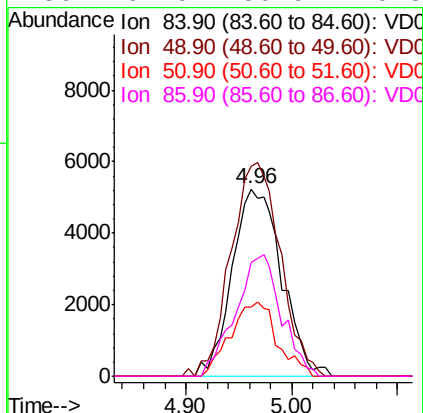
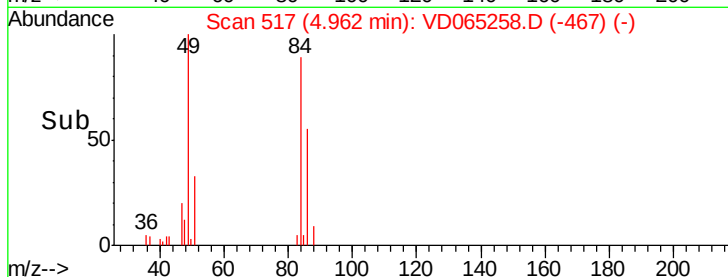
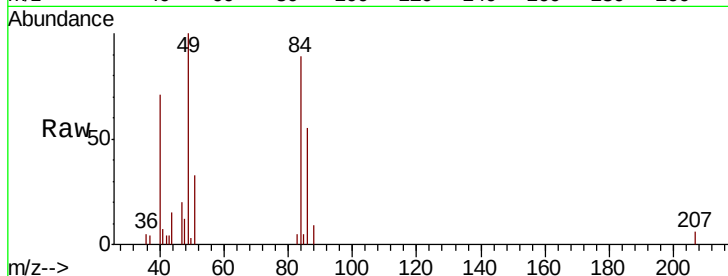




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

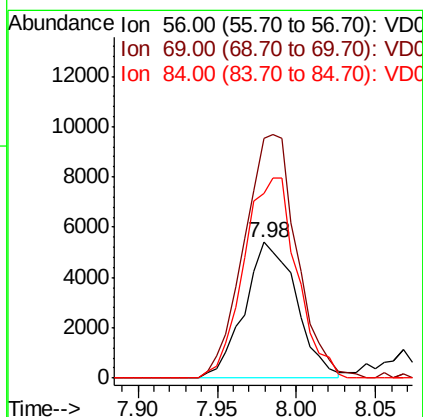
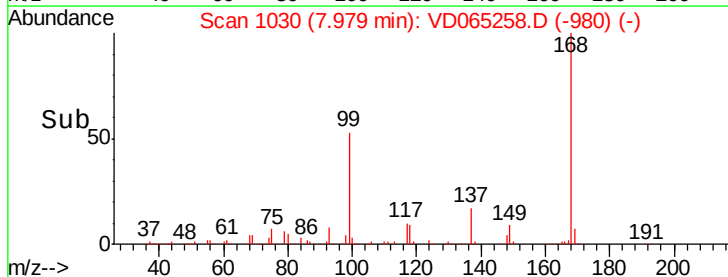
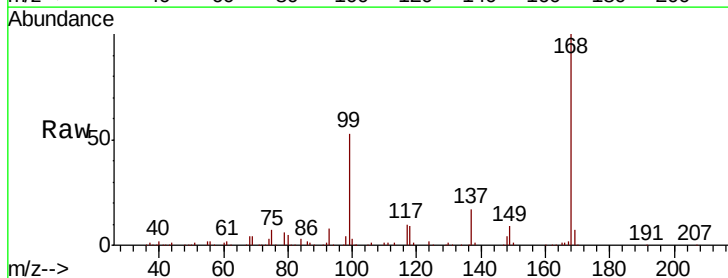
Instrument :
MSVOA_D
ClientSampleId :

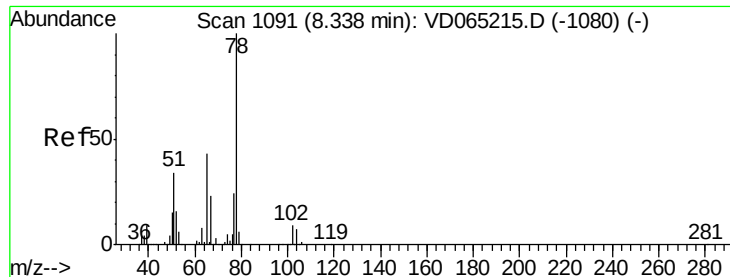
Tot Ion: 84 Resp: 16994
Ion Ratio Lower Upper
84 100
49 112.0 103.1 154.7
51 36.9 31.7 47.5
86 61.0 50.9 76.3



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

Tgt Ion: 56 Resp: 12270
Ion Ratio Lower Upper
56 100
69 177.0 27.4 41.0#
84 136.2 71.1 106.7#

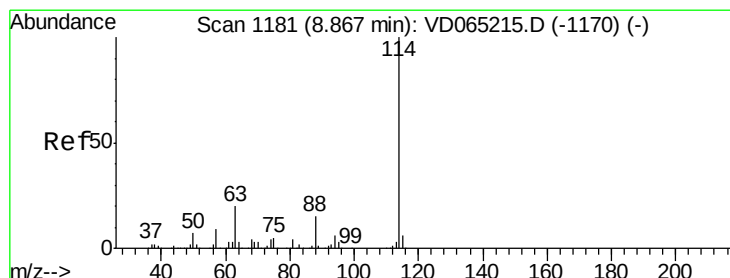
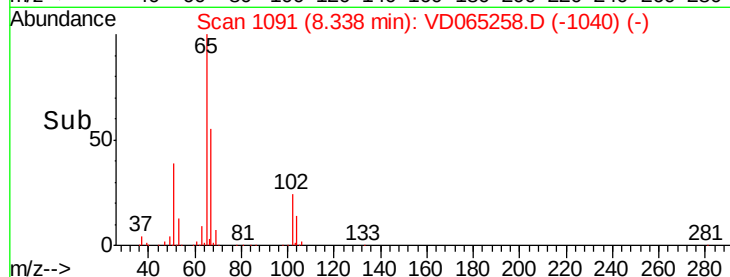
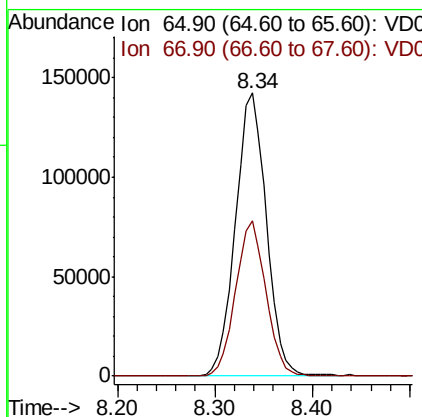
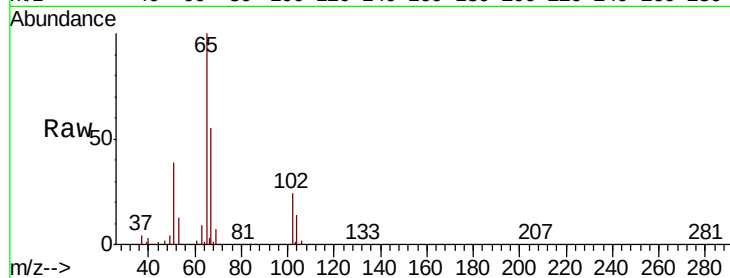




#33
 1,2-Dichloroethane-d4
 Concen: 55.555 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065258.D
 Acq: 20 Feb 2020 16:29

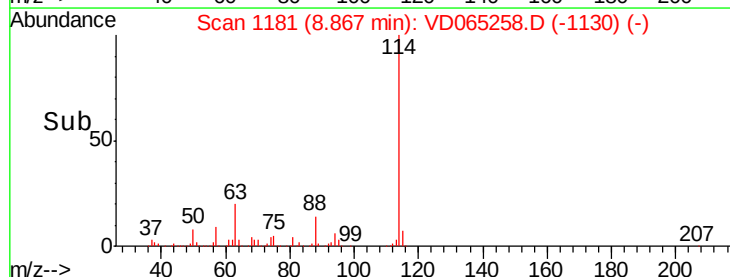
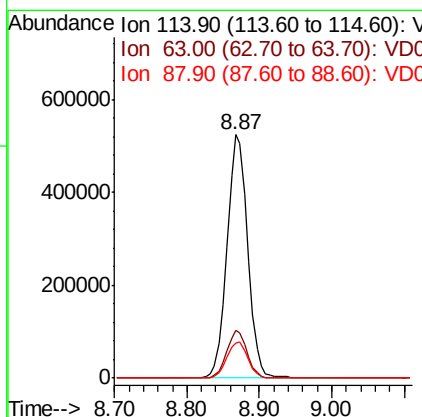
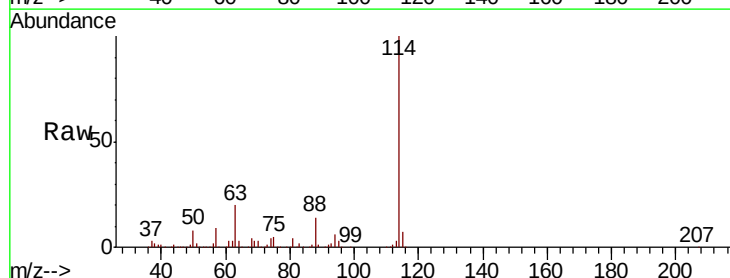
Instrument :
 MSVOA_D
 ClientSampleId :

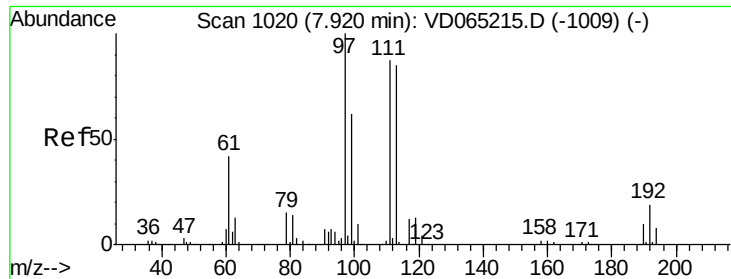
Tot Ion: 65 Resp: 314777
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065258.D
 Acq: 20 Feb 2020 16:29

Tgt Ion: 114 Resp: 1036605
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 14.3 0.0 30.4

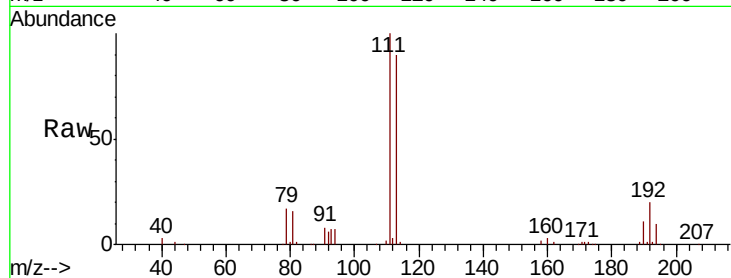




#35
 Dibromofluoromethane
 Concen: 51.378 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065258.D
 Acq: 20 Feb 2020 16:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	21.5	17.3	25.9

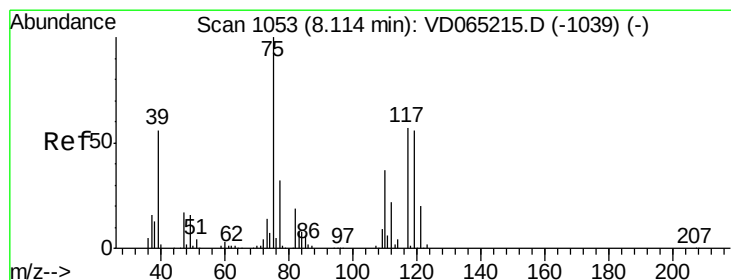
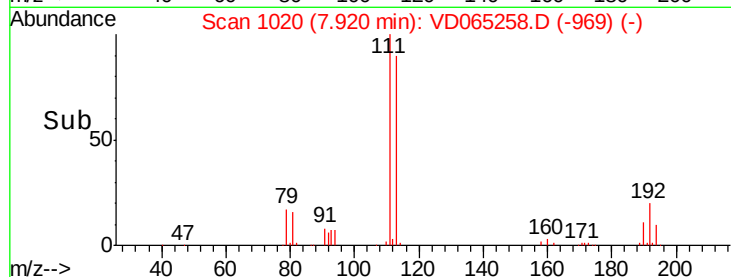
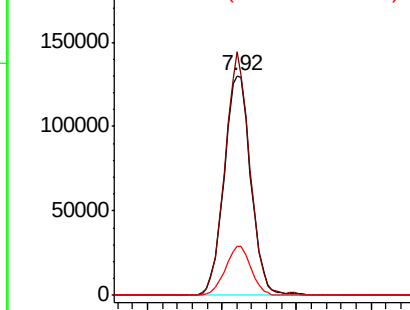


Abundance

Ion 112.80 (112.50 to 113.50): V

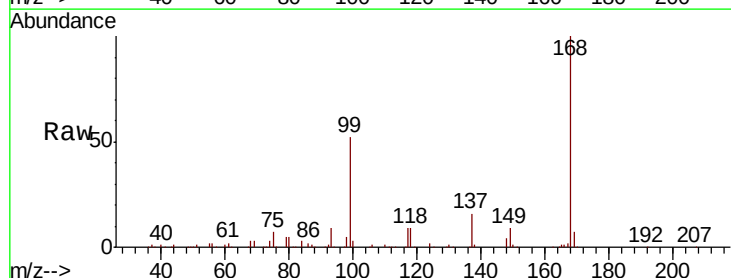
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.327 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065258.D
 Acq: 20 Feb 2020 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.9	53.7#
77	0.0	25.1	37.7#

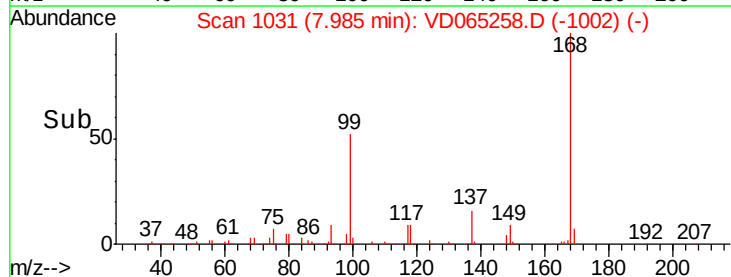
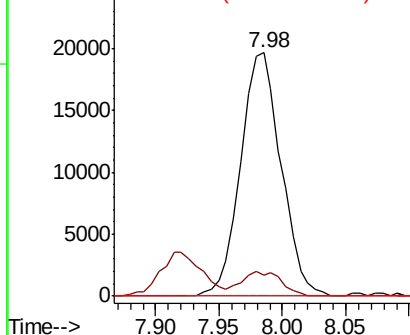


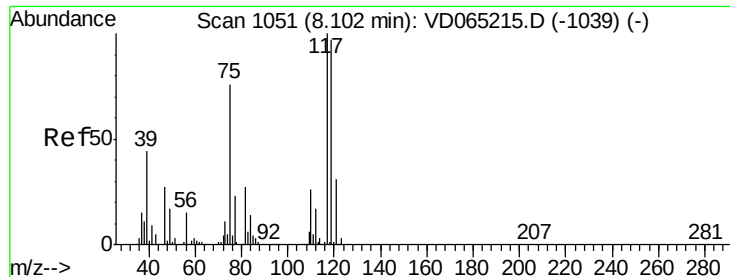
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

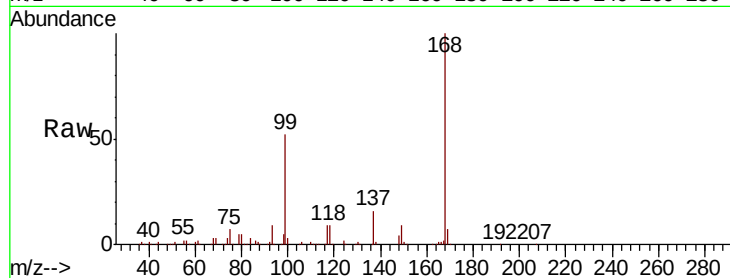




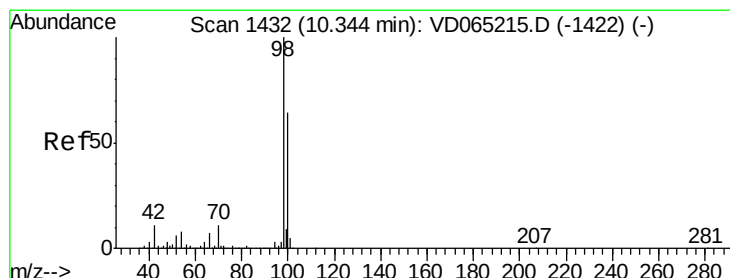
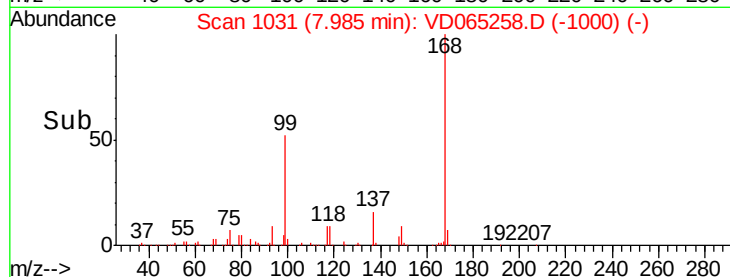
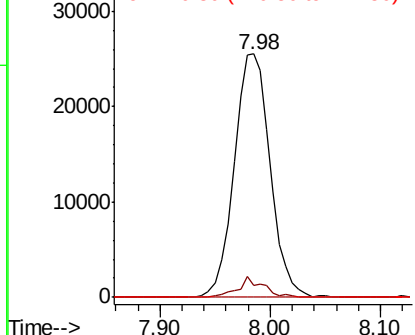
#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 58123
Ion Ratio Lower Upper
117 100
119 5.1 77.6 116.4#
121 0.0 24.8 37.2#

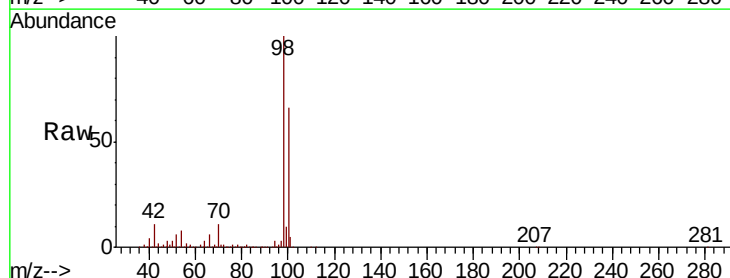


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

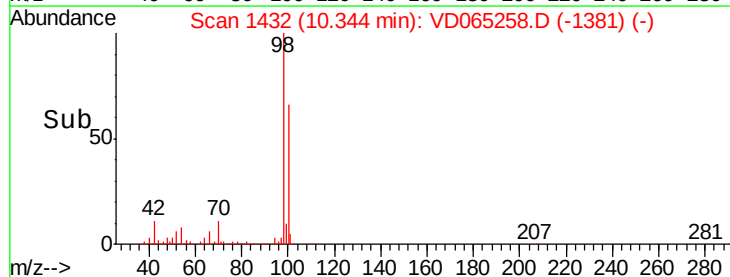
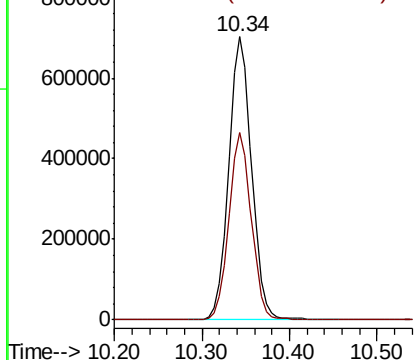


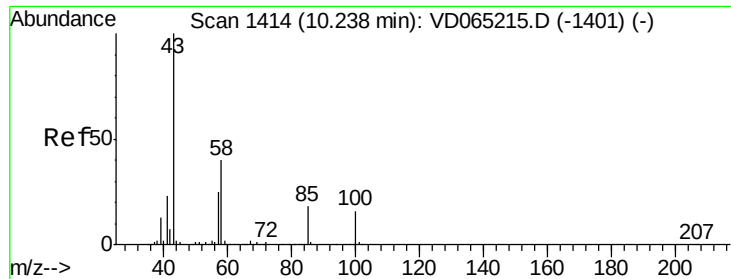
#50
Toluene-d8
Concen: 51.695 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

Tgt Ion: 98 Resp: 1249112
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.354 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

Instrument :

MSVOA_D

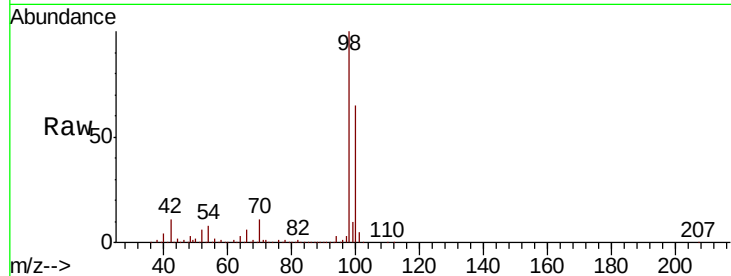
ClientSampleId :

Tot Ion: 43 Resp: 5274

Ion Ratio Lower Upper

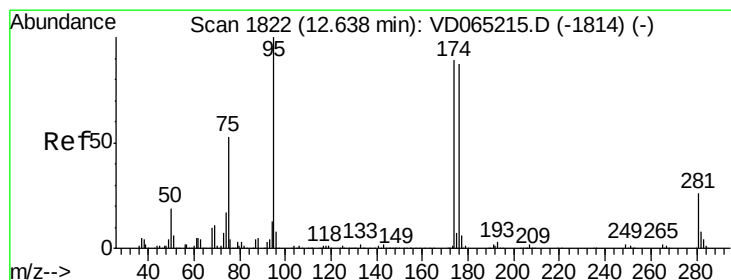
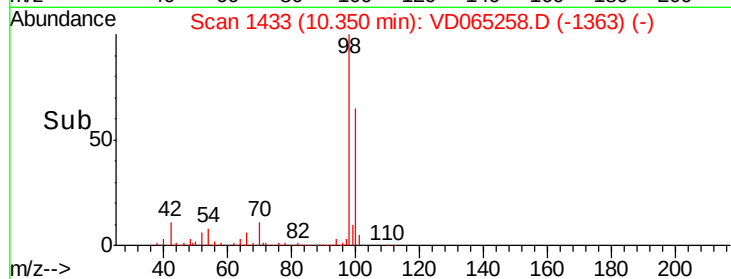
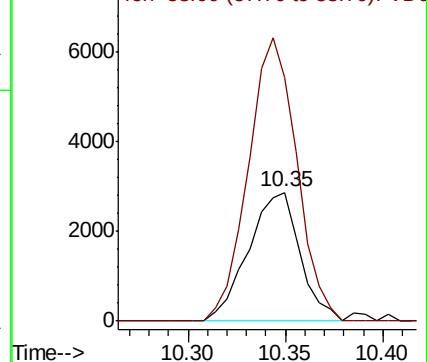
43 100

58 205.9 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.041 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

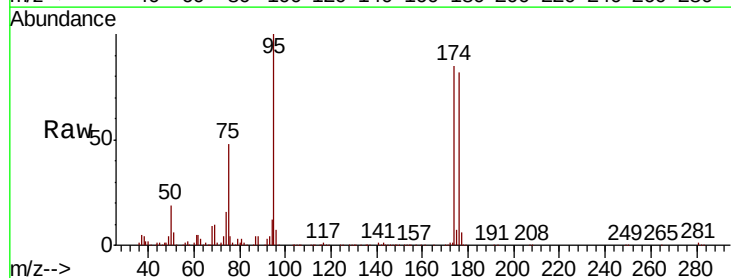
Tgt Ion: 95 Resp: 375394

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.0

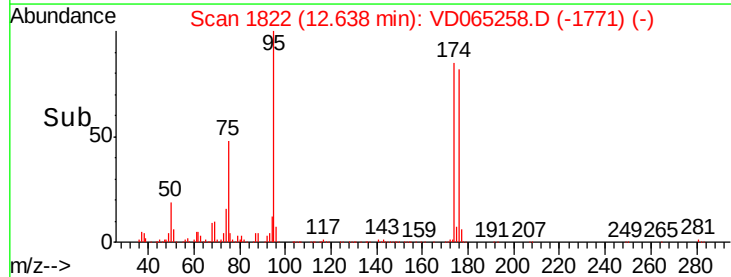
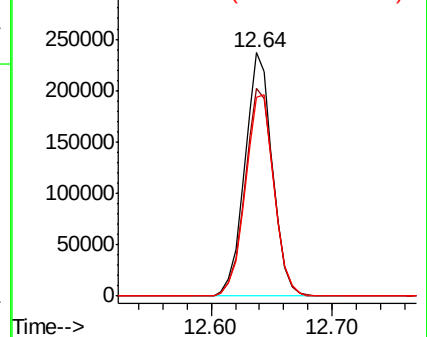
176 86.4 0.0 174.4

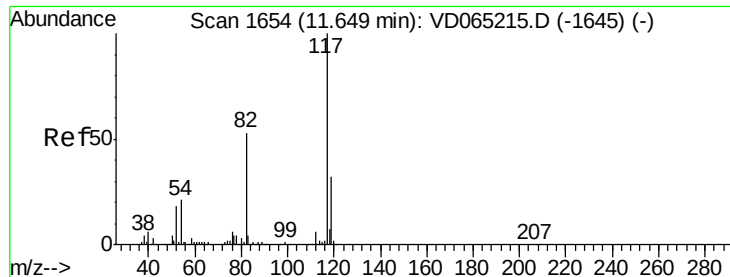


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

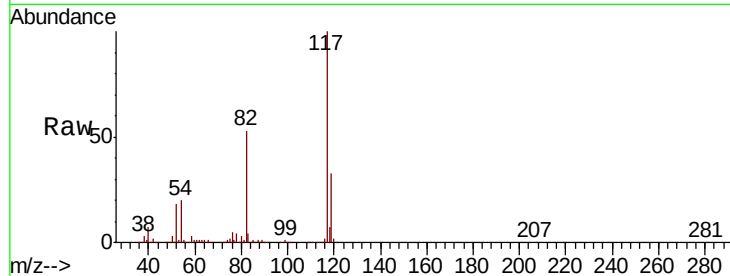




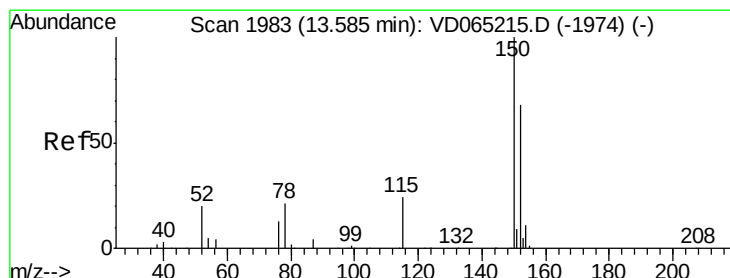
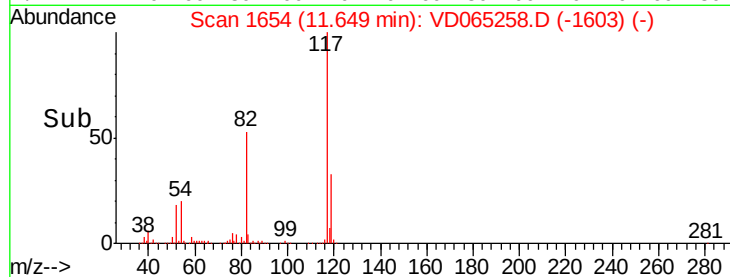
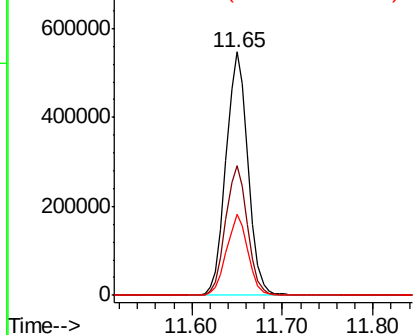
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 922051
Ion Ratio Lower Upper
117 100
82 53.1 42.7 64.1
119 33.3 25.5 38.3

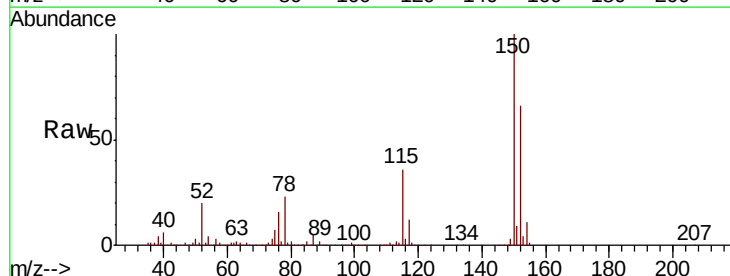


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

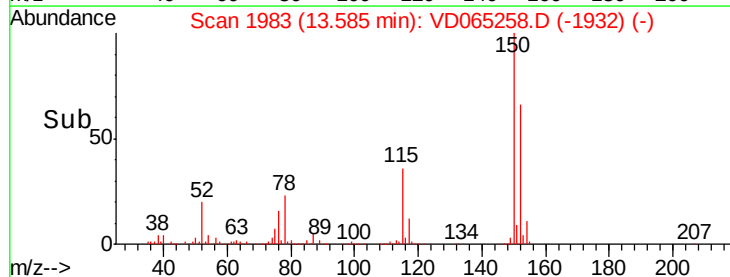
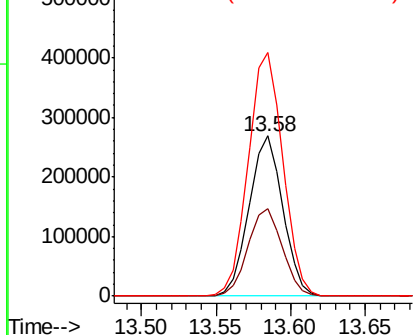


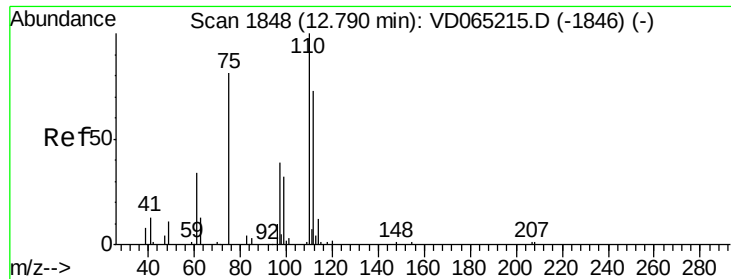
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065258.D
Acq: 20 Feb 2020 16:29

Tgt Ion:152 Resp: 419128
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.8
150 156.2 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: 52.572 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

Instrument :

MSVOA_D

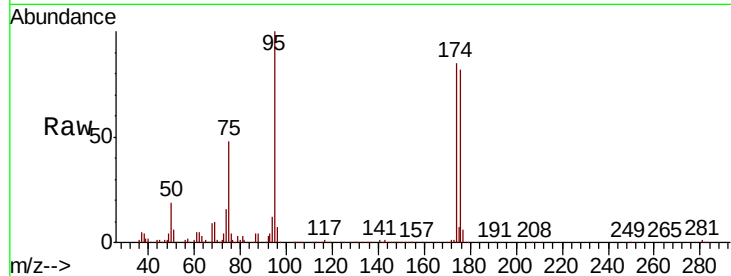
ClientSampled :

Tot Ion: 75 Resp: 187474

Ion Ratio Lower Upper

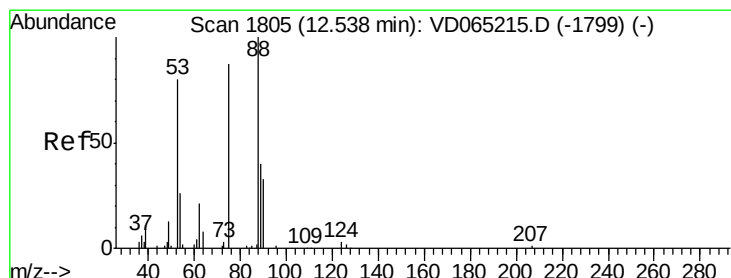
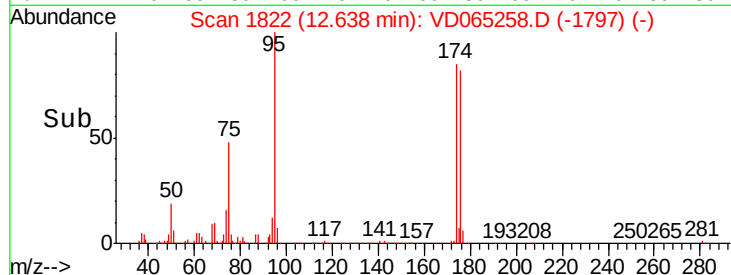
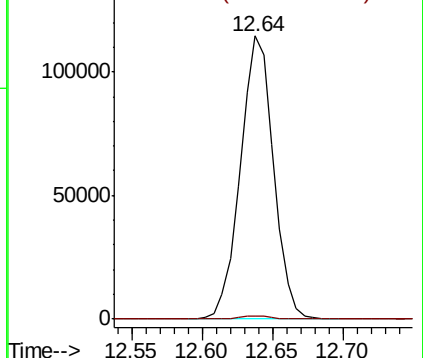
75 100

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: 113.512 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065258.D

Acq: 20 Feb 2020 16:29

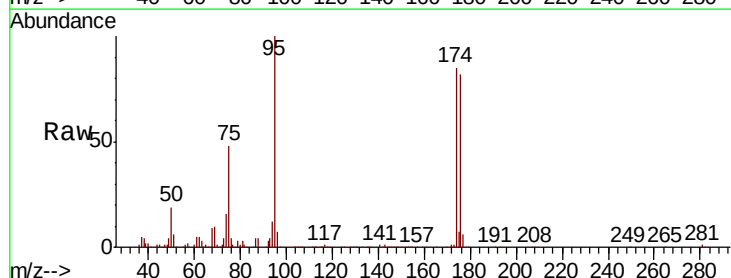
Tgt Ion: 75 Resp: 187474

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 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

