

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065259.D
 Acq On : 20 Feb 2020 16:58
 Operator : VA/SY
 Sample : L1604-04
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:26 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	532135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	868257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	709516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257488	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	272247	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	7.92	113	279986	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
50) Toluene-d8	10.34	98	1019671	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.64	95	271504	42.35	ug/l	0.00
Spiked Amount			Recovery	=	84.70%	

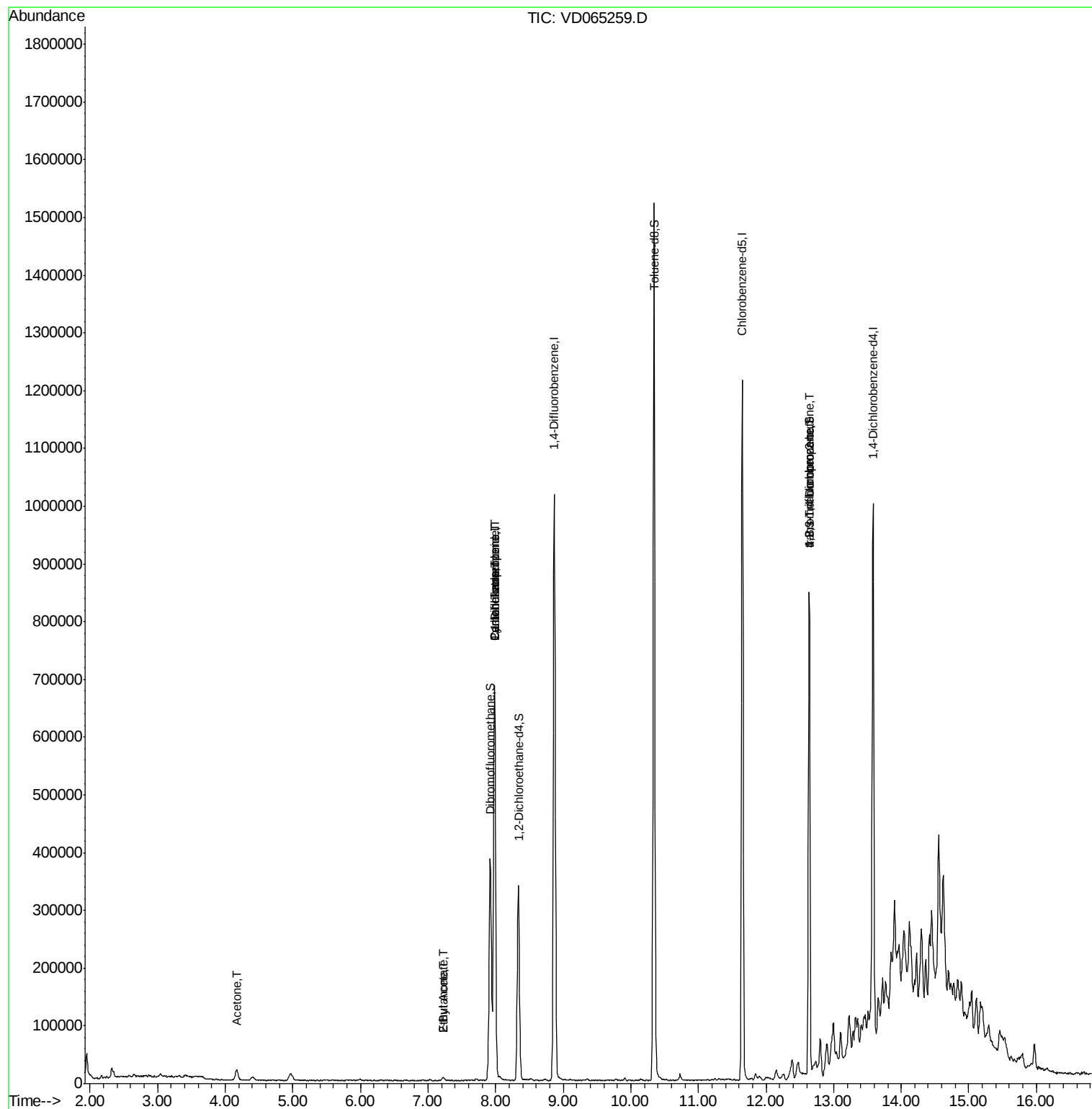
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.66	56	88	Below Cal	#	14
16) Acetone	4.17	43	33078	28.267	ug/l	99
20) Methylene Chloride	4.96	84	8279	Below Cal	#	86
25) 2-Butanone	7.22	43	7943	5.365	ug/l #	78
31) Cyclohexane	7.98	56	10949	1.163	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38569	4.565	ug/l #	48
37) Ethyl Acetate	7.22	43	7943	2.249	ug/l #	69
38) Carbon Tetrachloride	7.98	117	50022	5.816	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	133266	60.830	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133266	131.343	ug/l #	11

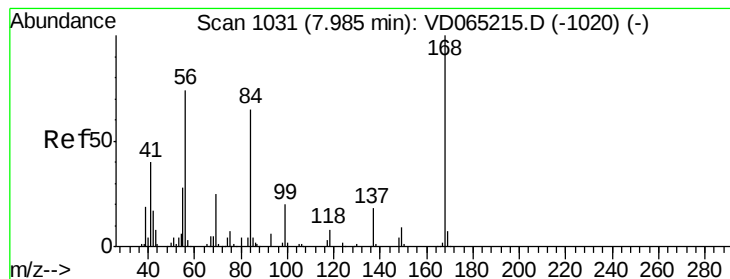
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
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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: VD065259.D

Acq: 20 Feb 2020 16:58

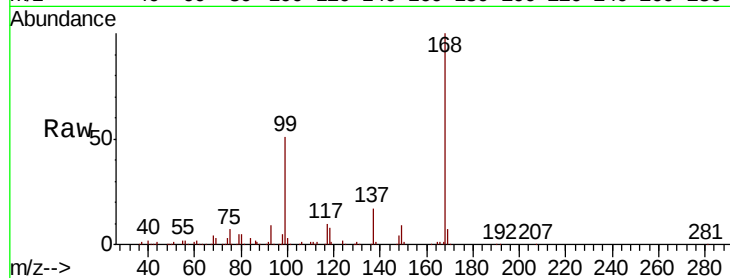
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 532135

Ion Ratio Lower Upper

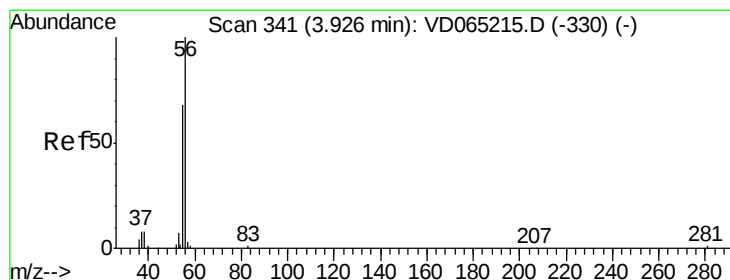
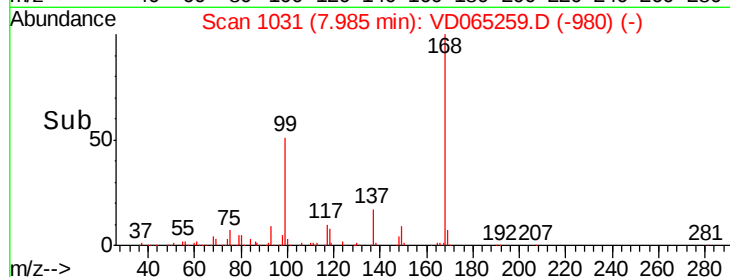
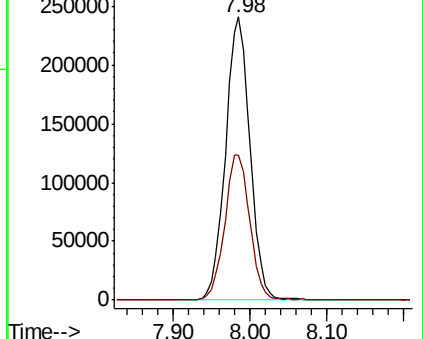
168 100

99 51.5 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# 295

Delta R.T. -0.27 min

Lab File: VD065259.D

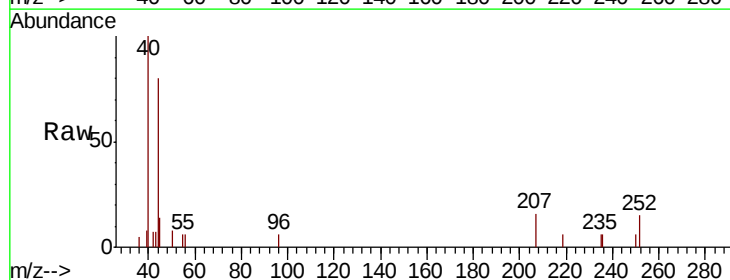
Acq: 20 Feb 2020 16:58

Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

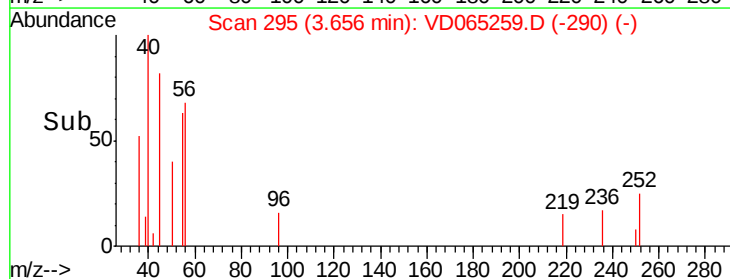
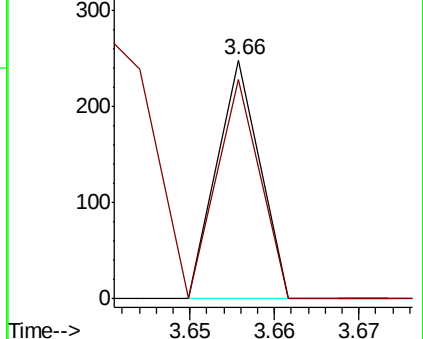
56 100

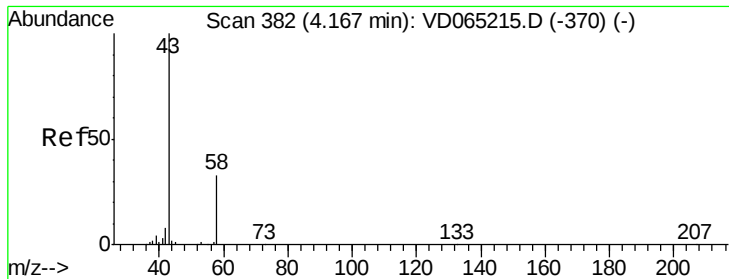
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

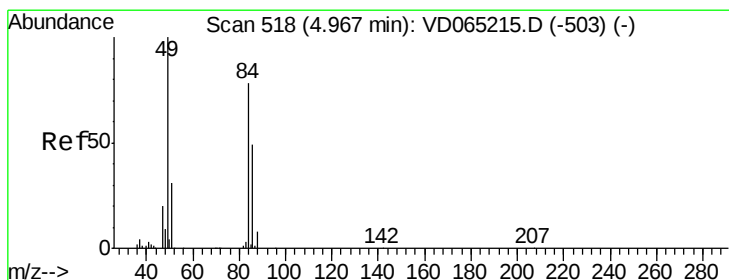
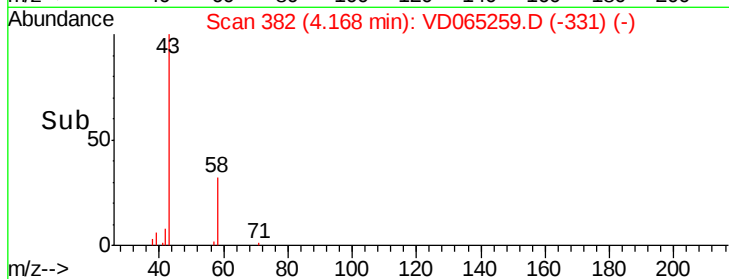
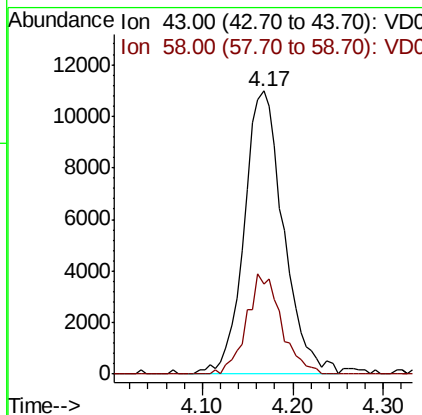
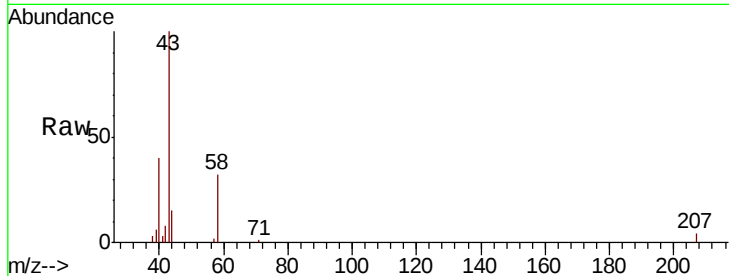




#16
Acetone
Concen: 28.267 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

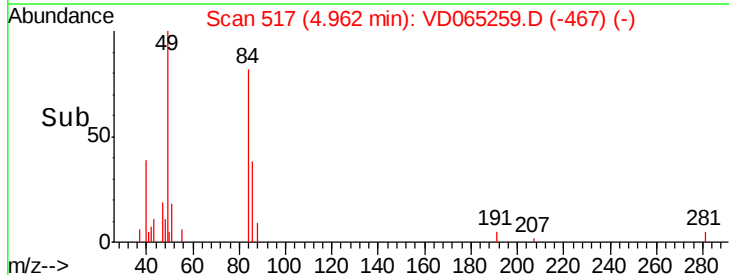
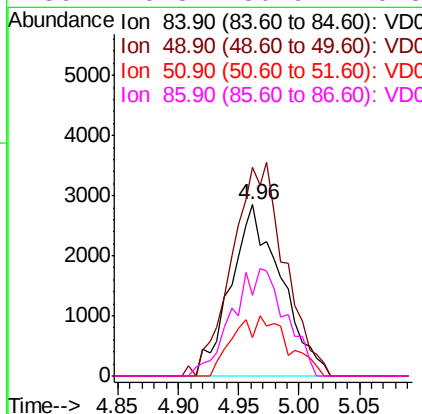
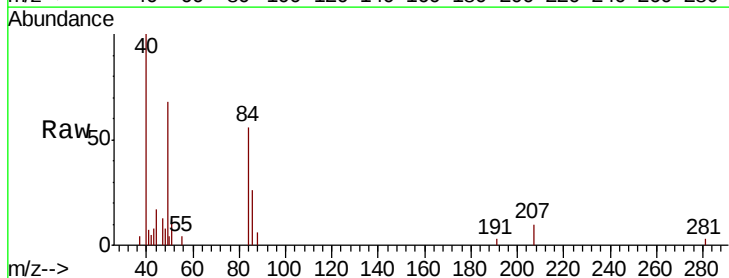
Instrument :
MSVOA_D
ClientSampleId :

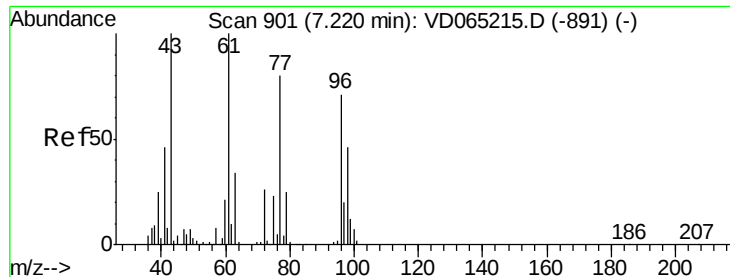
Tot Ion: 43 Resp: 33078
Ion Ratio Lower Upper
43 100
58 31.9 26.2 39.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 84 Resp: 8279
Ion Ratio Lower Upper
84 100
49 122.2 103.1 154.7
51 22.2 31.7 47.5#
86 46.8 50.9 76.3#

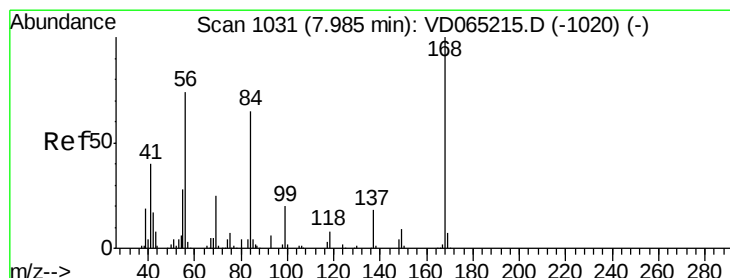
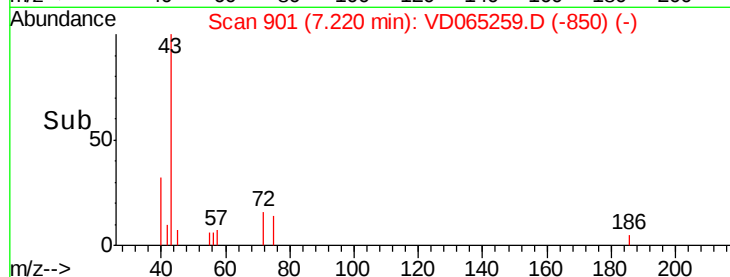
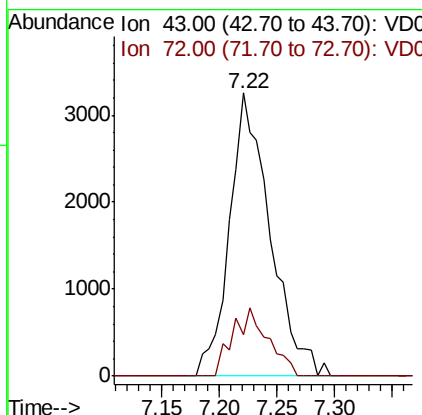
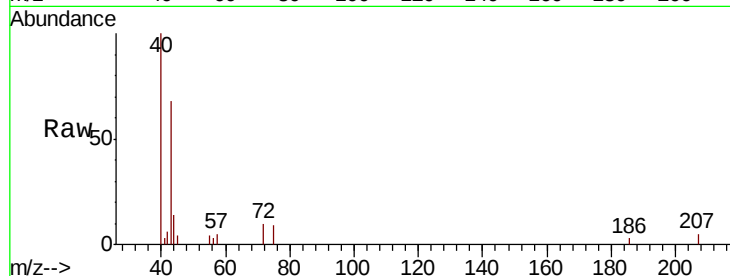




#25
2-Butanone
Concen: 5.365 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

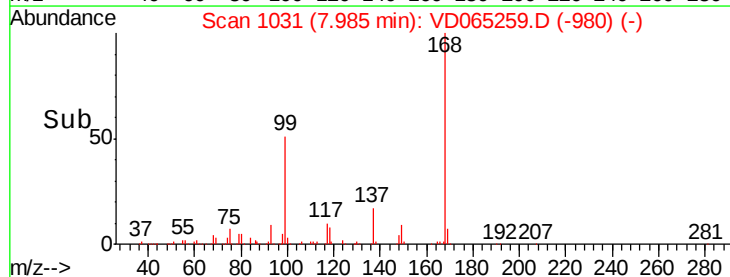
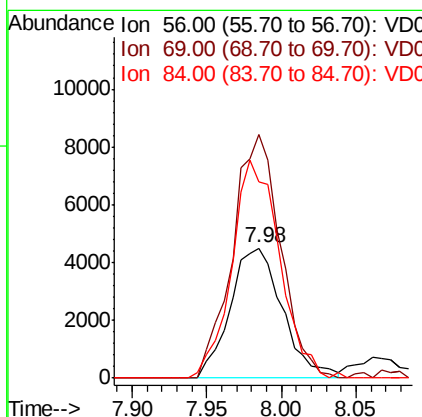
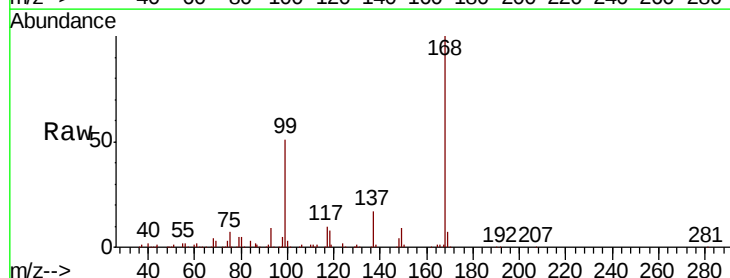
Instrument :
MSVOA_D
ClientSampleId :

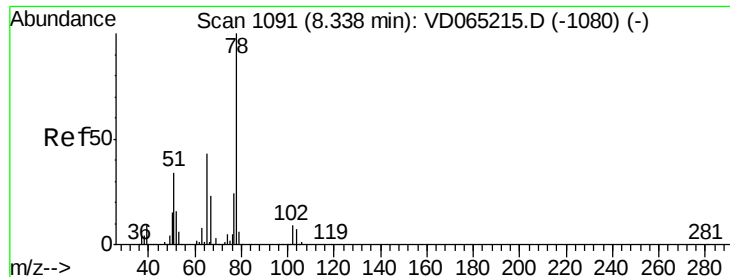
Tot Ion: 43 Resp: 7943
Ion Ratio Lower Upper
43 100
72 14.8 20.9 31.3#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 56 Resp: 10949
Ion Ratio Lower Upper
56 100
69 187.2 27.4 41.0#
84 151.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 56.870 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065259.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_D

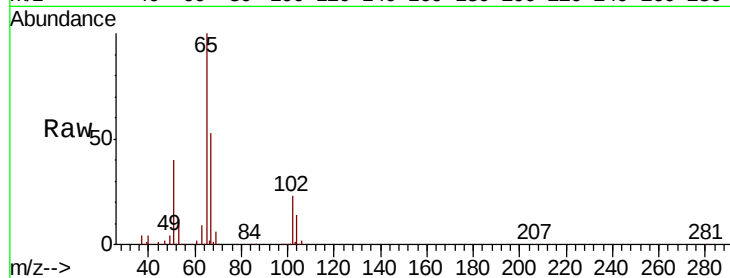
ClientSampled :

Tot Ion: 65 Resp: 272247

Ion Ratio Lower Upper

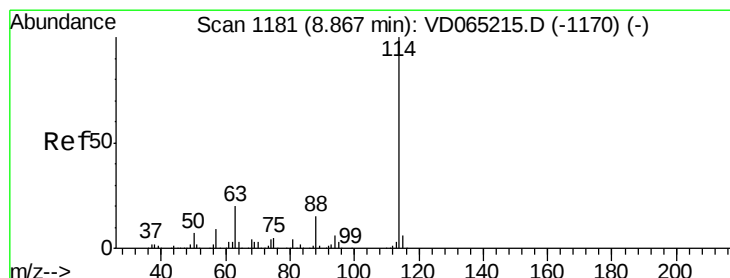
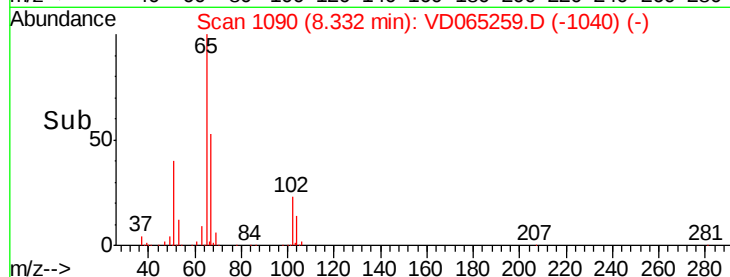
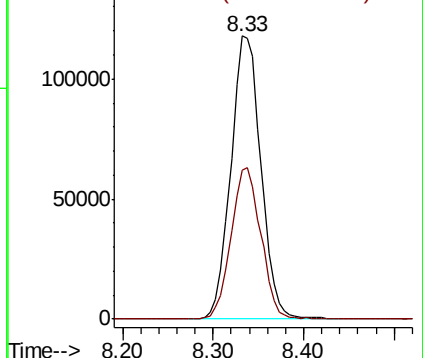
65 100

67 53.1 0.0 106.8



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: VD065259.D

Acq: 20 Feb 2020 16:58

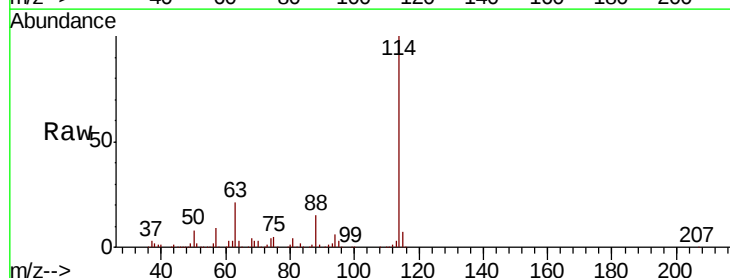
Tgt Ion: 114 Resp: 868257

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

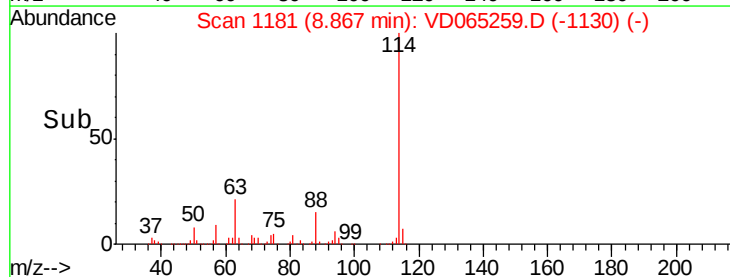
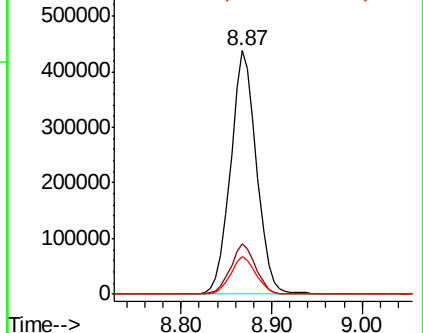
88 15.5 0.0 30.4

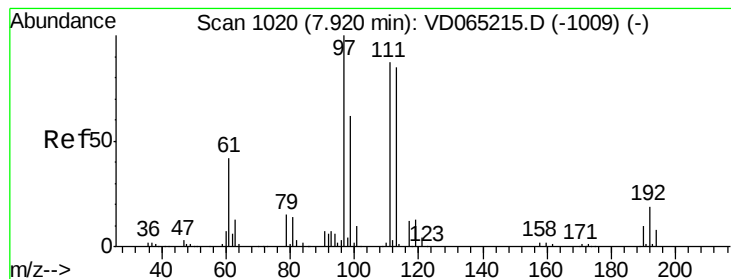


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.886 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065259.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_D

ClientSampleId :

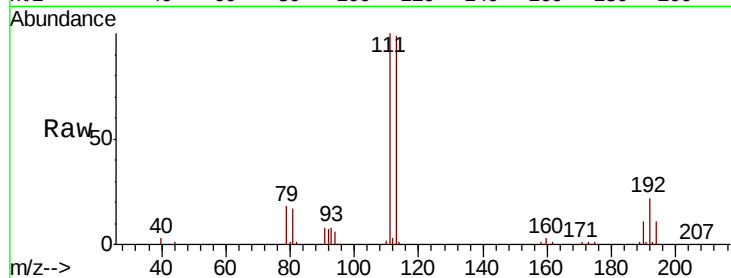
Tot Ion:113 Resp: 279986

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

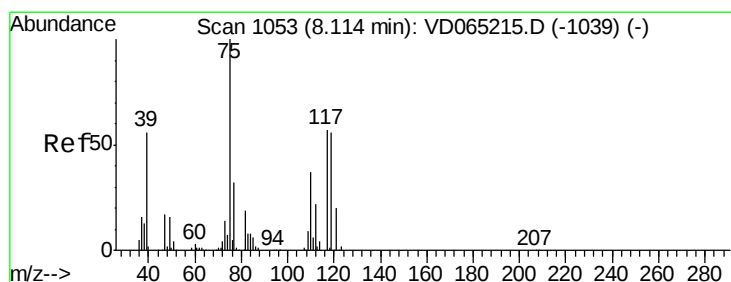
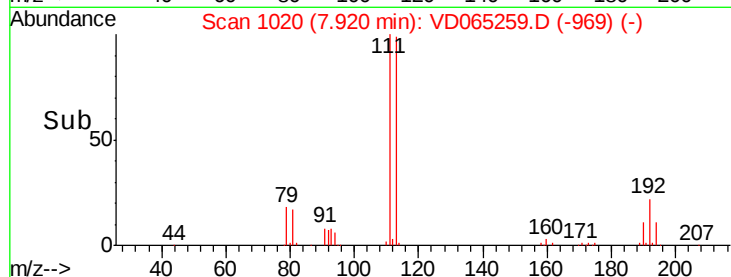
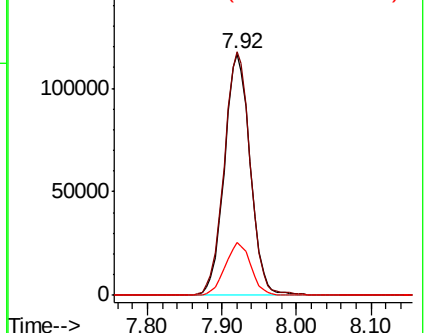
192 21.7 17.3 25.9



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: 4.565 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065259.D

Acq: 20 Feb 2020 16:58

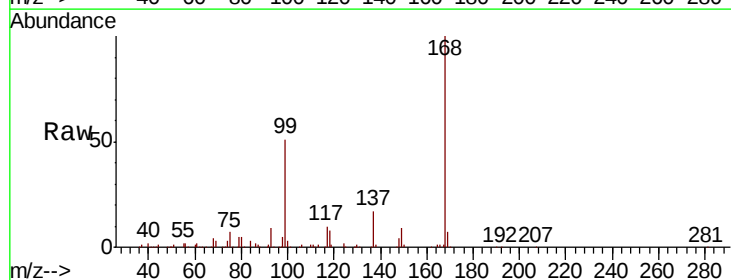
Tgt Ion: 75 Resp: 38569

Ion Ratio Lower Upper

75 100

110 8.2 17.9 53.7#

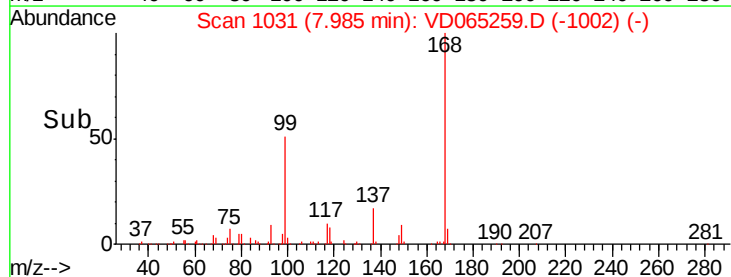
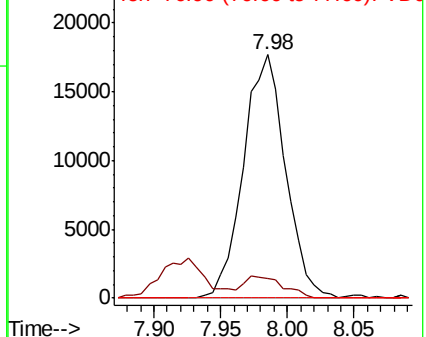
77 0.0 25.1 37.7#

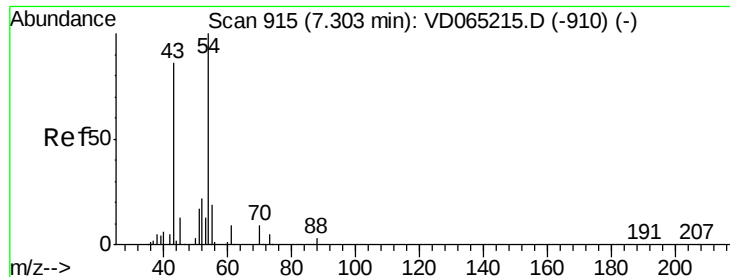


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

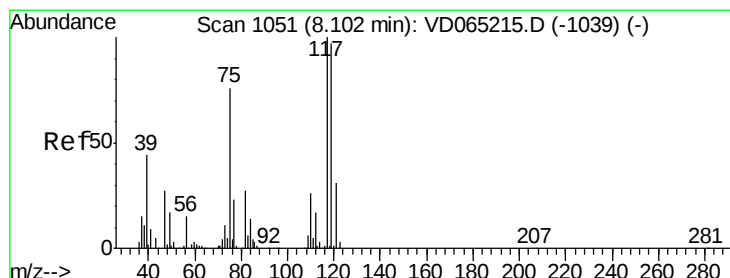
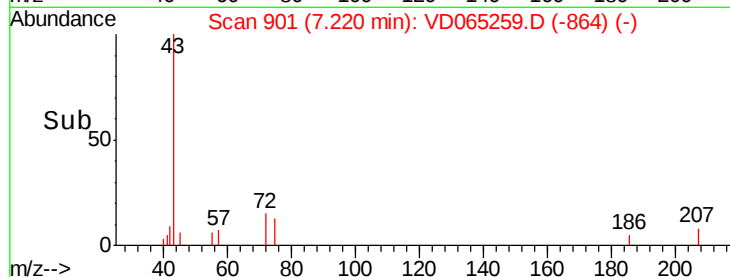
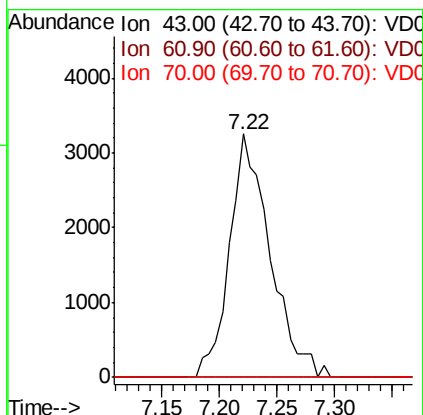
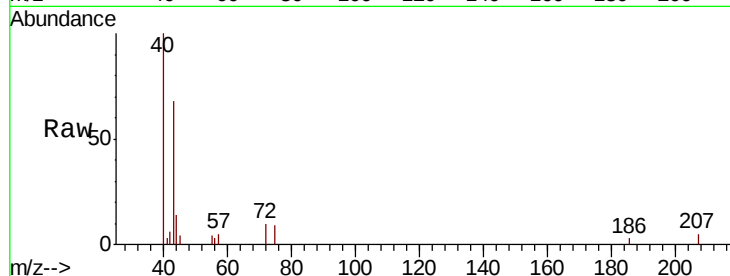




#37
Ethyl Acetate
Concen: 2.249 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

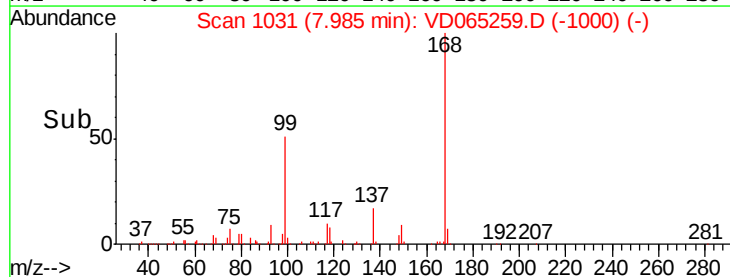
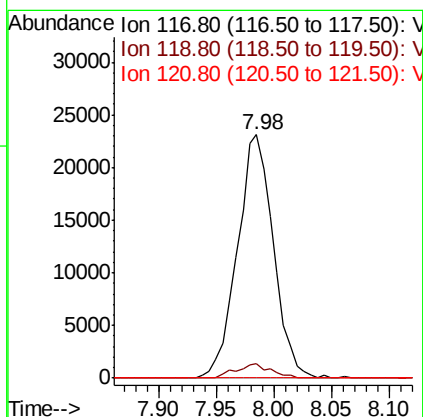
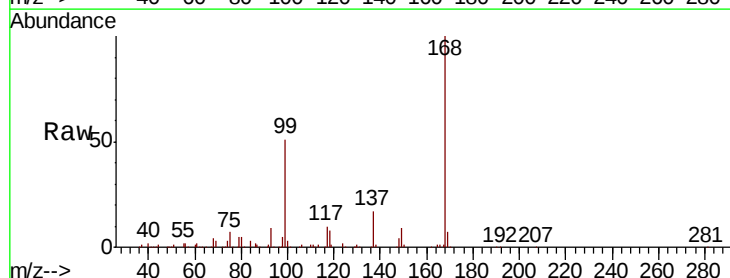
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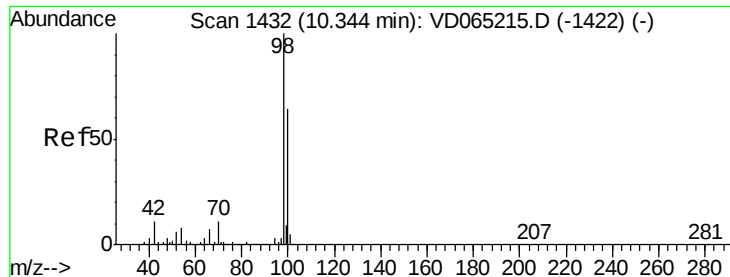
Tot Ion: 43 Resp: 7943
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 117 Resp: 50022
Ion Ratio Lower Upper
117 100
119 6.2 77.6 116.4#
121 0.0 24.8 37.2#

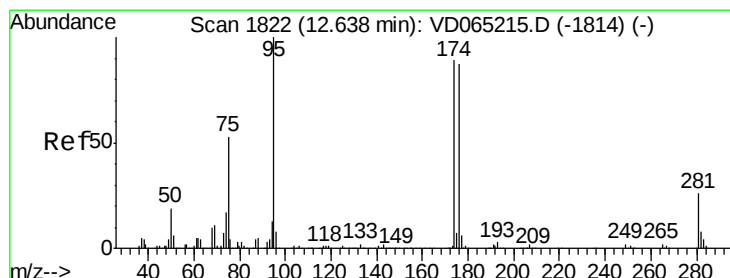
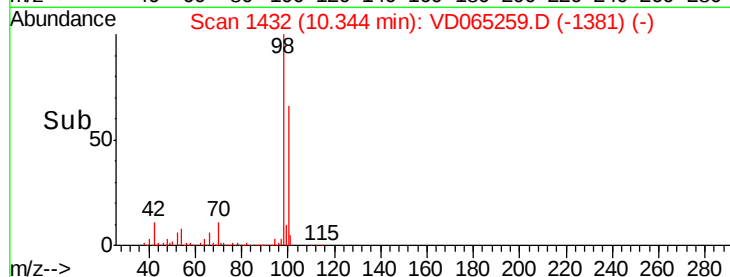
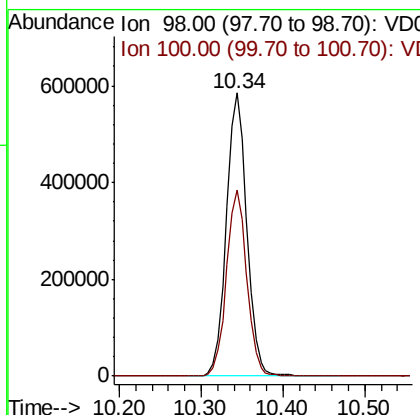
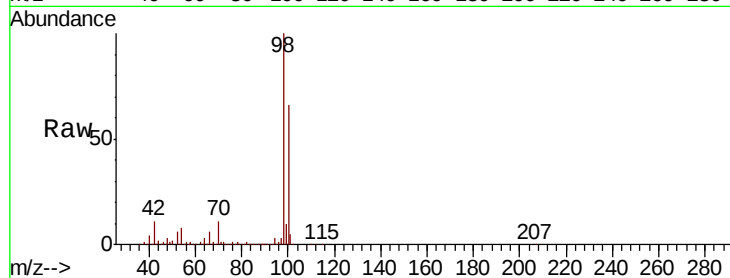




#50
Toluene-d8
Concen: 50.382 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

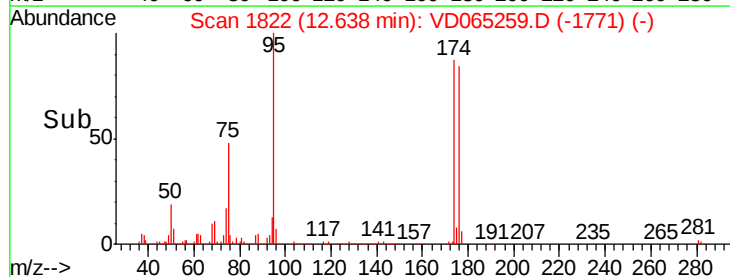
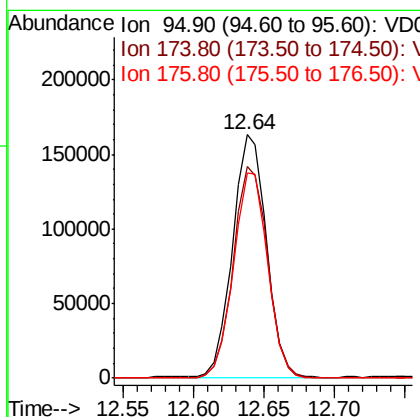
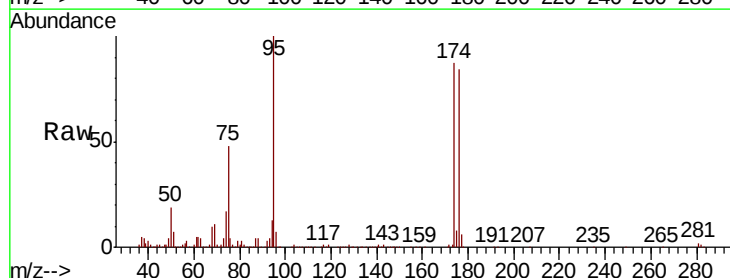
Instrument :
MSVOA_D
ClientSampleId :

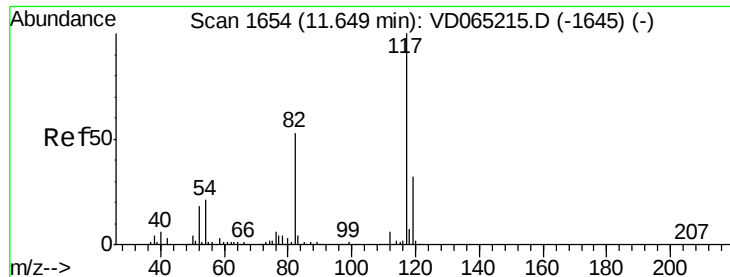
Tot Ion: 98 Resp: 1019671
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.346 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Tgt Ion: 95 Resp: 271504
Ion Ratio Lower Upper
95 100
174 88.8 0.0 178.0
176 85.5 0.0 174.4

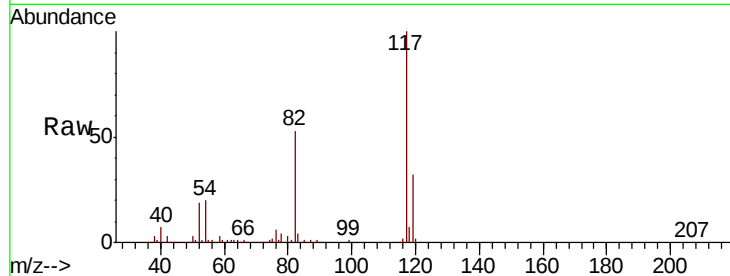




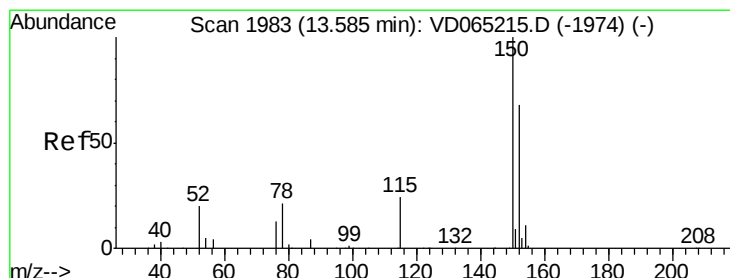
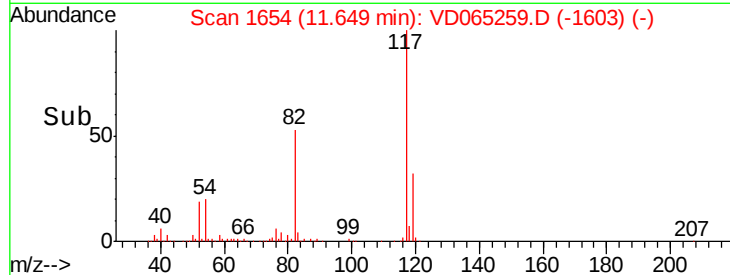
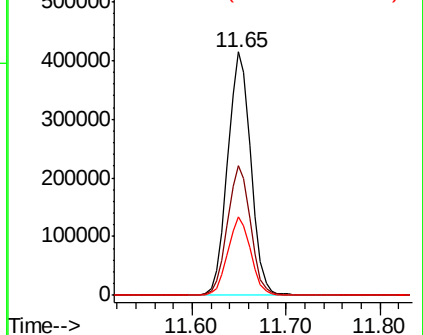
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 709516
Ion Ratio Lower Upper
117 100
82 53.3 42.7 64.1
119 32.2 25.5 38.3

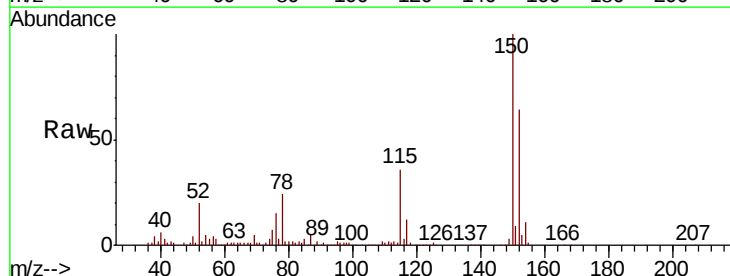


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

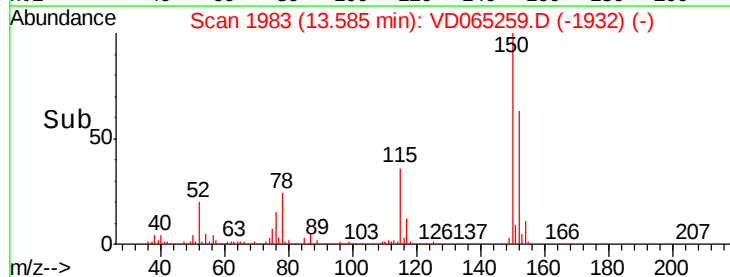
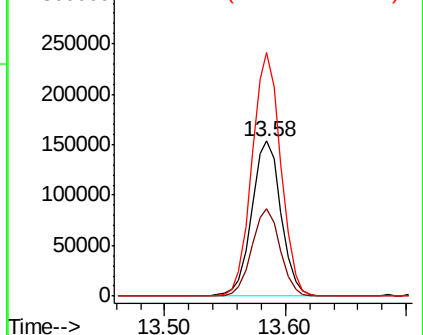


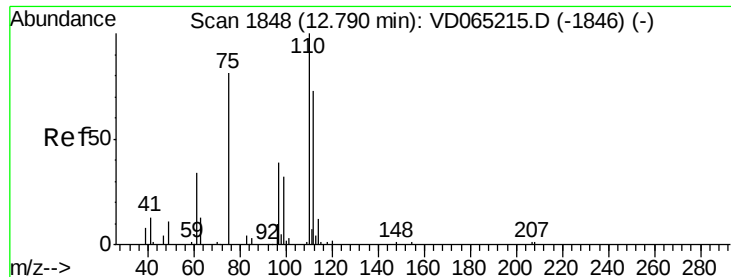
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065259.D
Acq: 20 Feb 2020 16:58

Tgt Ion:152 Resp: 257488
Ion Ratio Lower Upper
152 100
115 55.1 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: 60.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065259.D

Acq: 20 Feb 2020 16:58

Instrument :

MSVOA_D

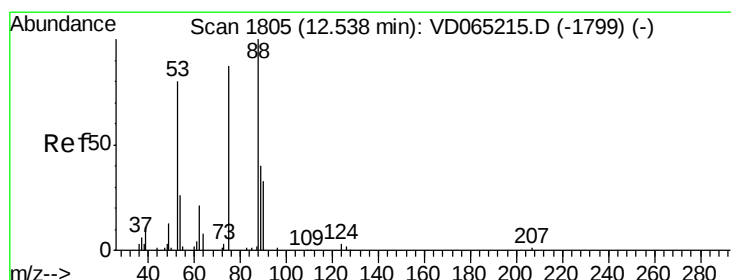
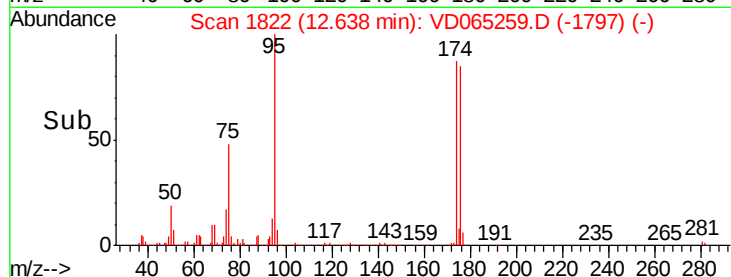
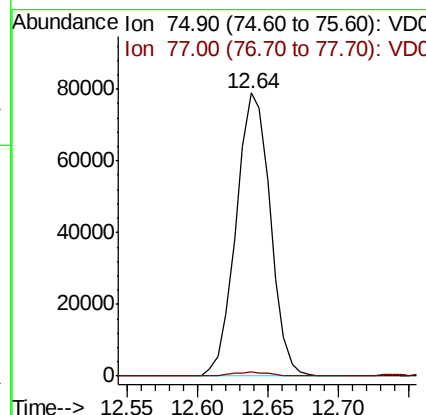
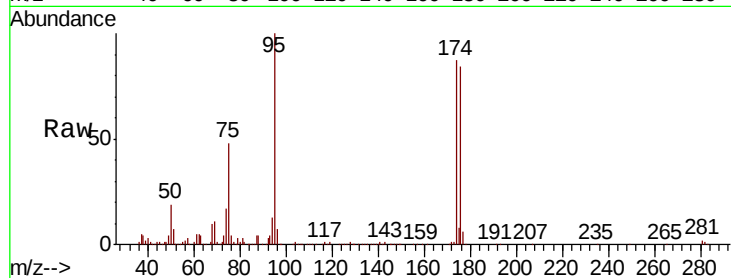
ClientSampleId :

Tot Ion: 75 Resp: 133266

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.343 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065259.D

Acq: 20 Feb 2020 16:58

Tgt Ion: 75 Resp: 133266

Ion Ratio Lower Upper

75 100

53 0.8 77.6 116.4#

89 0.1 37.2 55.8#

