

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065181.D
 Acq On : 13 Feb 2020 17:14
 Operator : VA/SY
 Sample : L1529-04RE
 Misc : 4.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 14 07:19:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	487353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	798528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	844051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	419982	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	224100	54.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.20%	
35) Dibromofluoromethane	7.92	113	247104	55.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.92%	
50) Toluene-d8	10.34	98	978953	55.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.40%	
62) 4-Bromofluorobenzene	12.64	95	372677	66.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	132.64%	

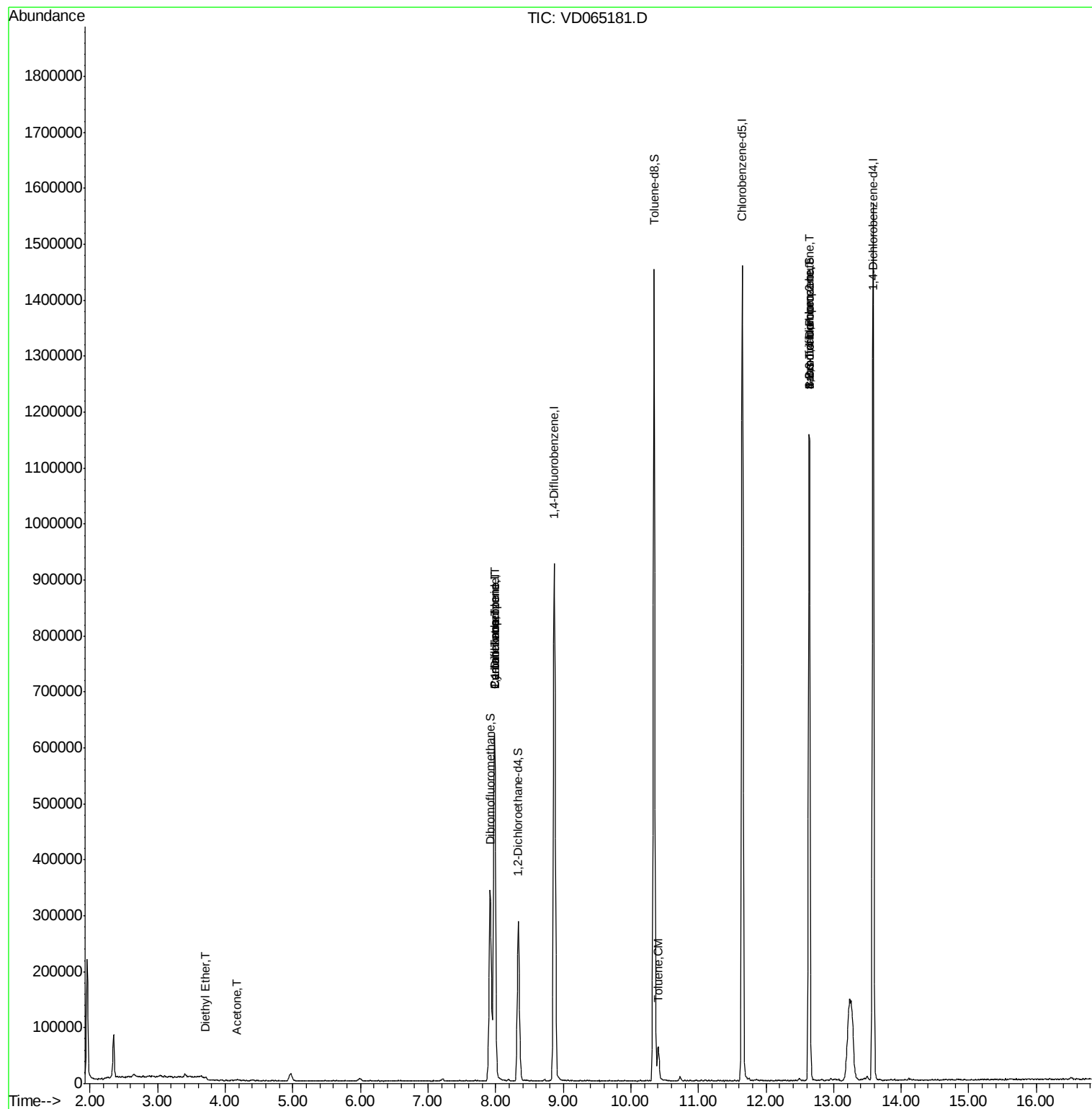
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	2557	1.212	ug/l	65
16) Acetone	4.17	43	3481	3.361	ug/l	95
20) Methylene Chloride	4.97	84	10565	Below Cal	#	82
31) Cyclohexane	7.98	56	10521	1.277	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	36206	4.876	ug/l #	49
38) Carbon Tetrachloride	7.98	117	46001	6.066	ug/l #	16
52) Toluene	10.41	92	24216	1.850	ug/l	99
71) Bromoform	12.63	173	3297	1.017	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	190588	59.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	190588	119.873	ug/l #	10

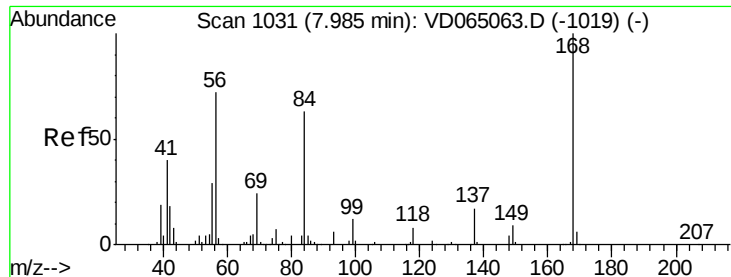
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021320\
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MSVOA_D
ClientSampleId :

Quant Time: Feb 14 07:19:32 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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: VD065181.D

Acq: 13 Feb 2020 17:14

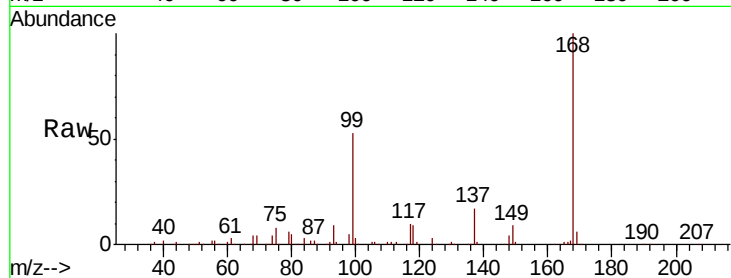
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 487353

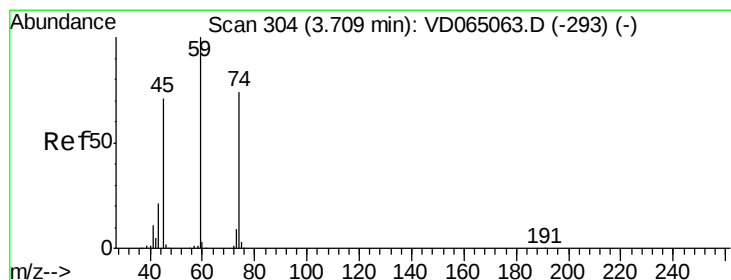
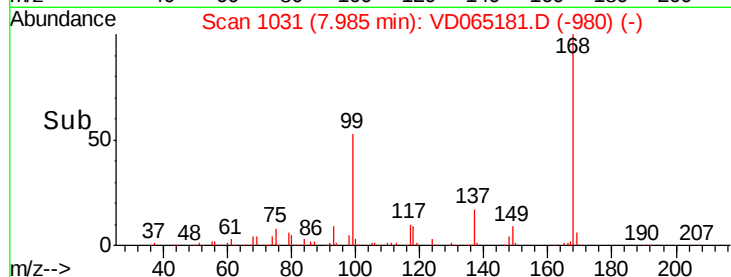
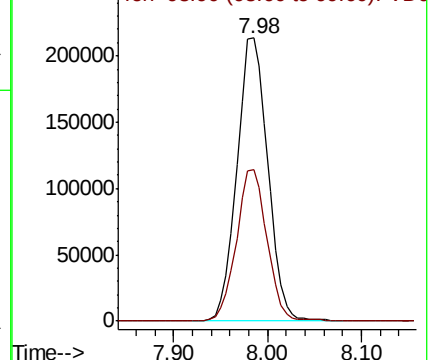
Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.212 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065181.D

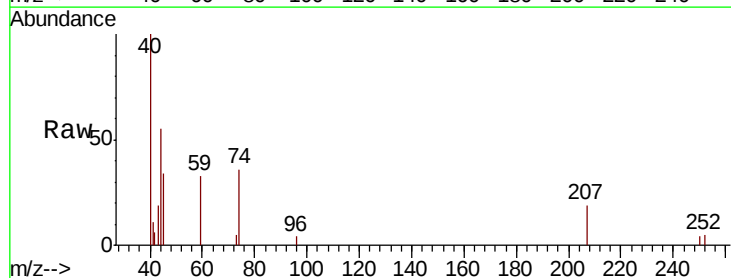
Acq: 13 Feb 2020 17:14

Tgt Ion: 74 Resp: 2557

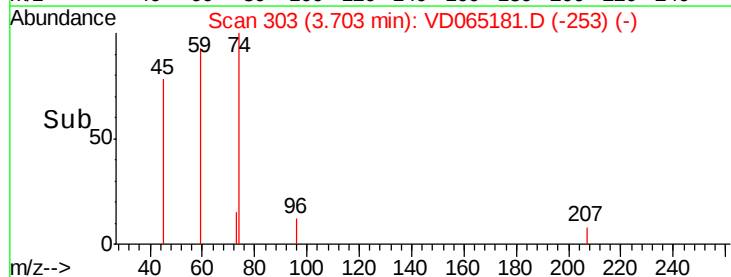
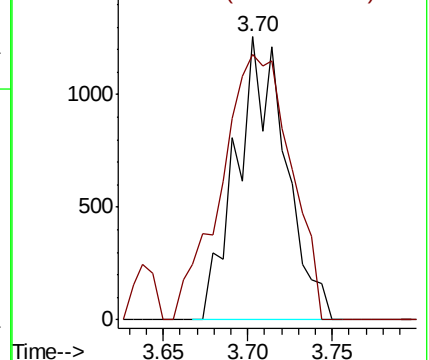
Ion Ratio Lower Upper

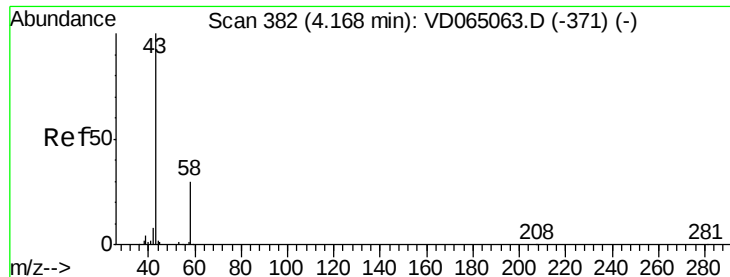
74 100

45 132.3 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 3.361 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_D

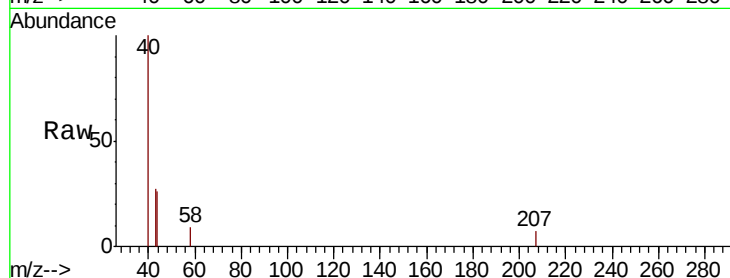
ClientSampleId :

Tot Ion: 43 Resp: 3481

Ion Ratio Lower Upper

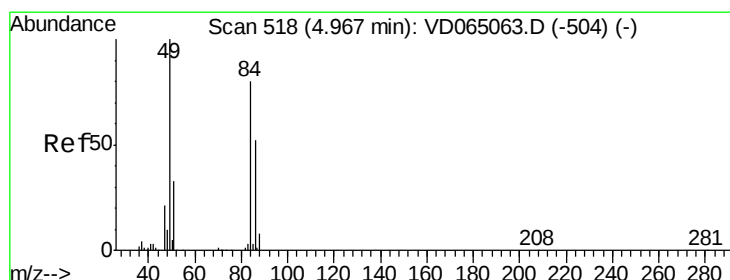
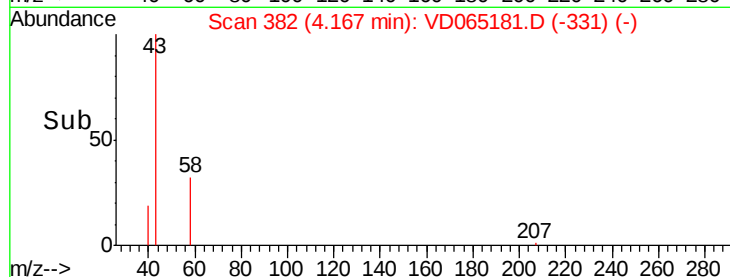
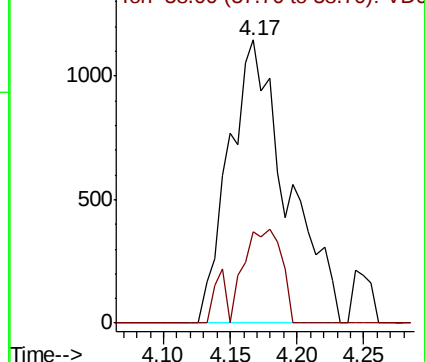
43 100

58 32.1 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

Tgt Ion: 84 Resp: 10565

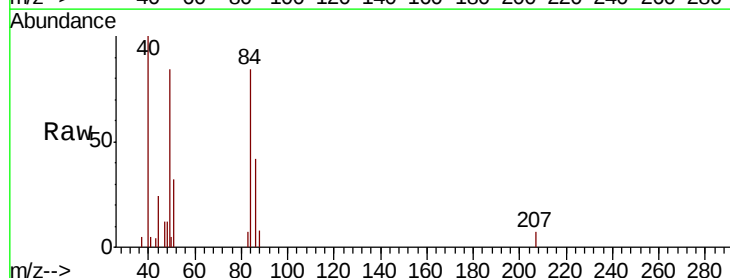
Ion Ratio Lower Upper

84 100

49 100.5 100.4 150.6

51 38.4 32.7 49.1

86 49.6 52.4 78.6#

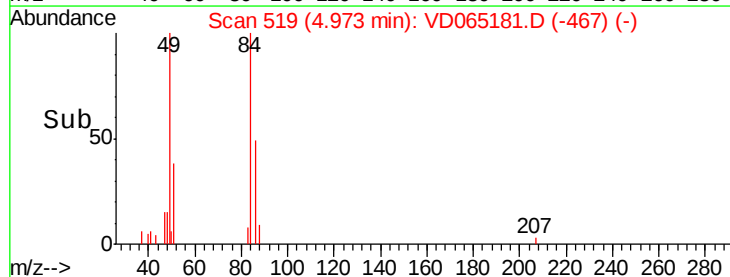
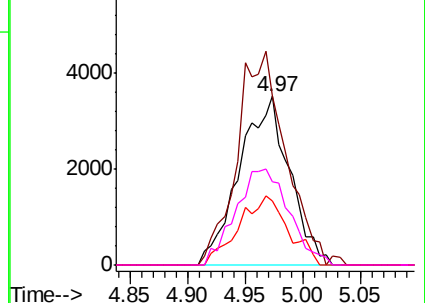


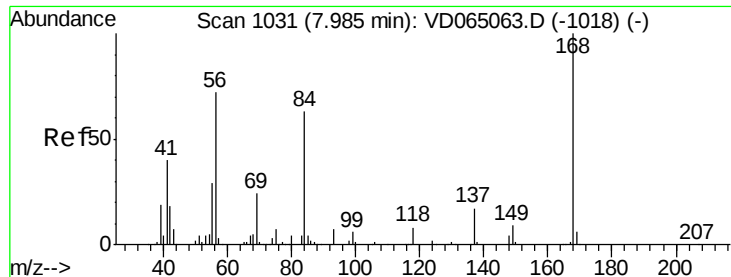
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

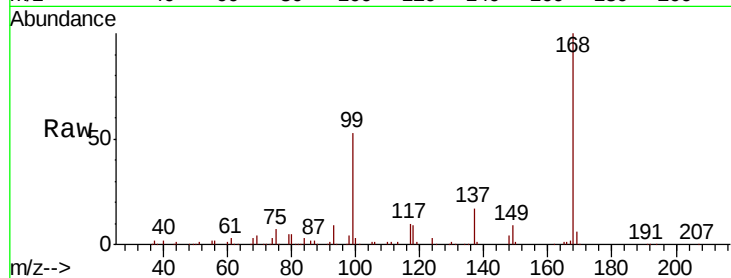




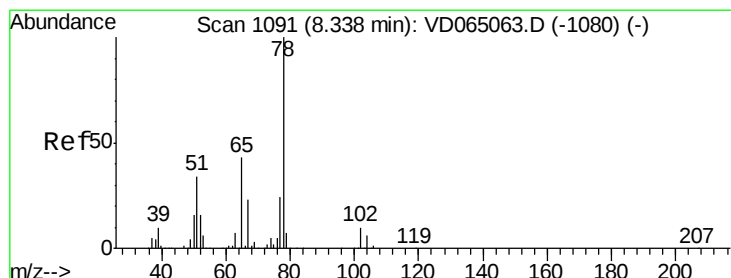
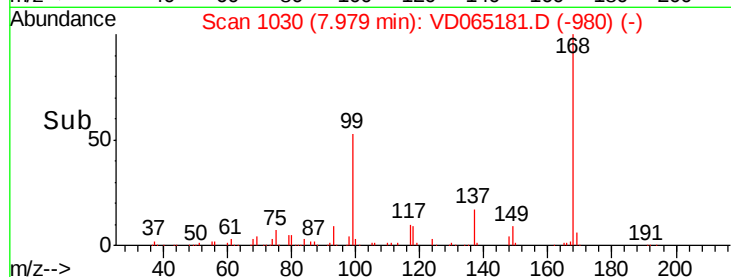
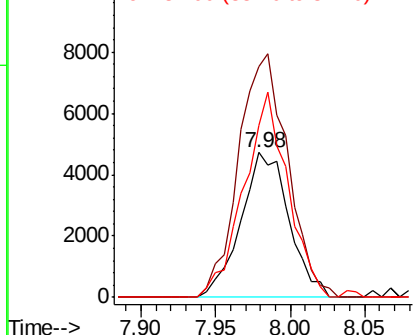
#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 10521
Ion Ratio Lower Upper
56 100
69 160.2 26.6 40.0#
84 118.8 70.6 106.0#

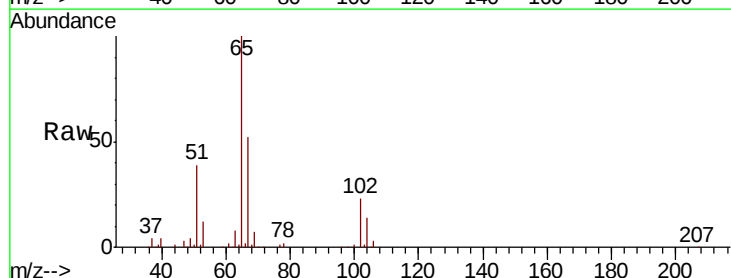


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

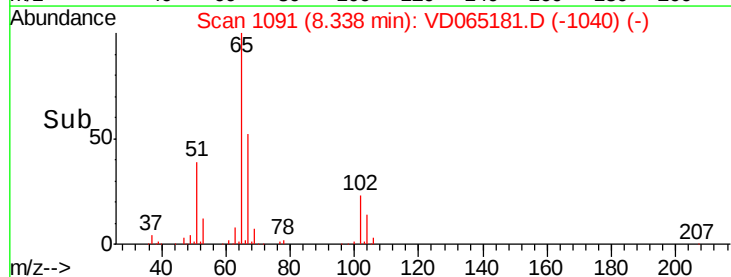
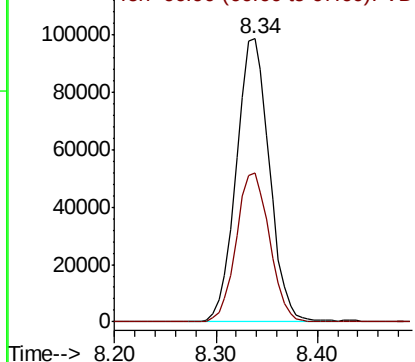


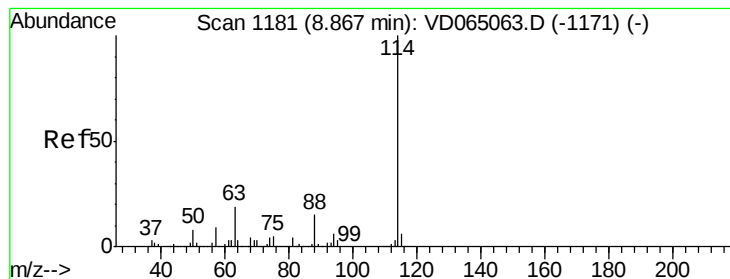
#33
1,2-Dichloroethane-d4
Concen: 54.103 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

Tgt Ion: 65 Resp: 224100
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8



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: VD065181.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

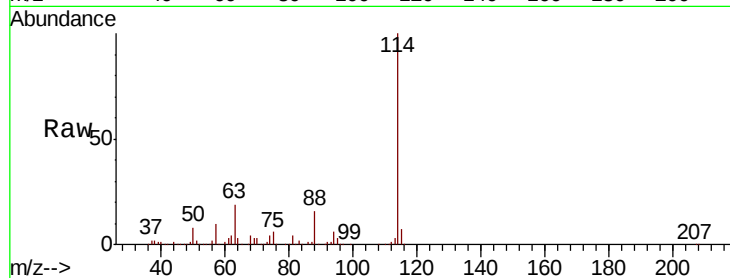
Tot Ion:114 Resp: 798528

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.8

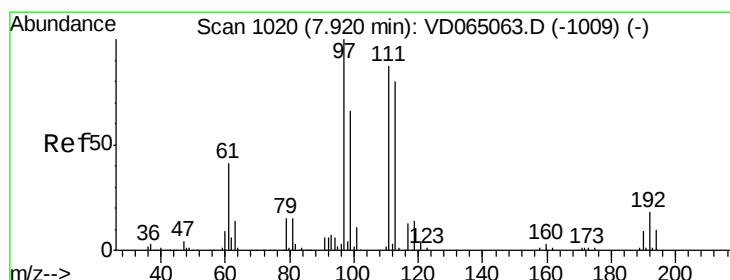
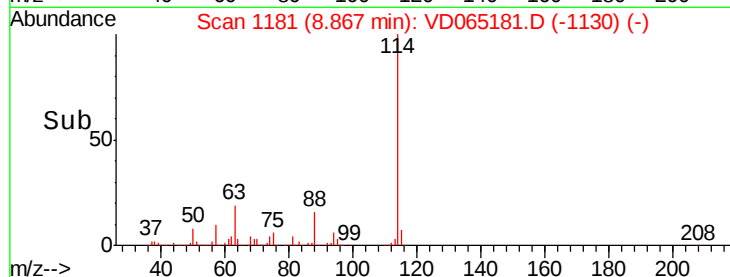
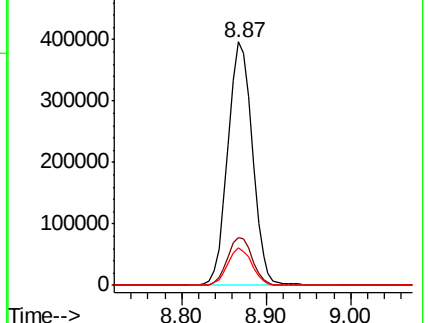
88 15.5 0.0 29.6



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: 55.463 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

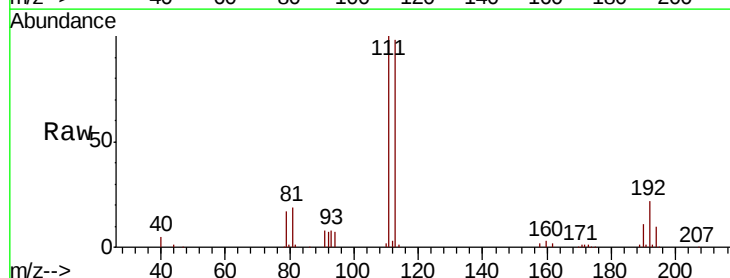
Tgt Ion:113 Resp: 247104

Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

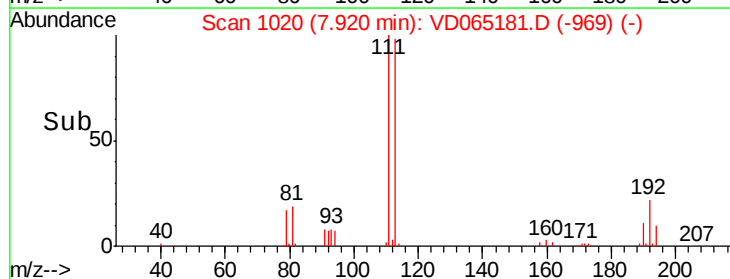
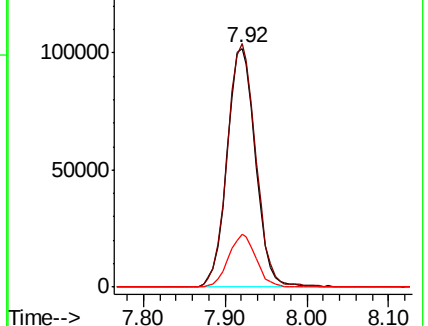
192 21.2 18.1 27.1

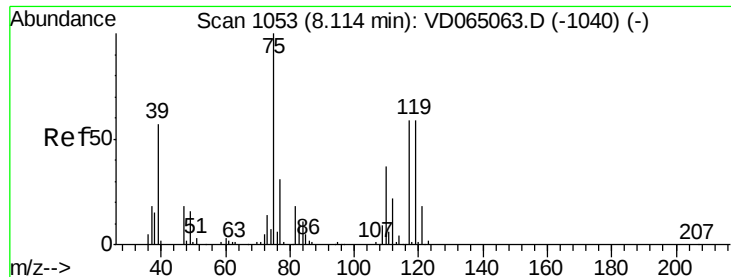


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleID :

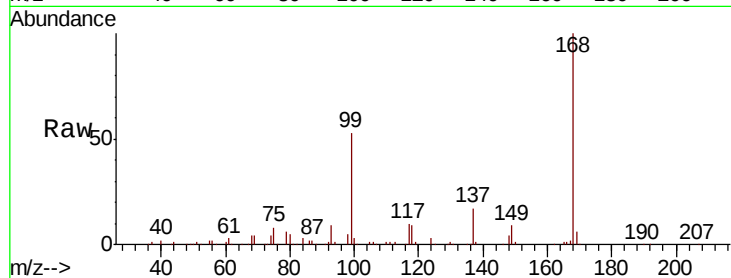
Tot Ion: 75 Resp: 36206

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

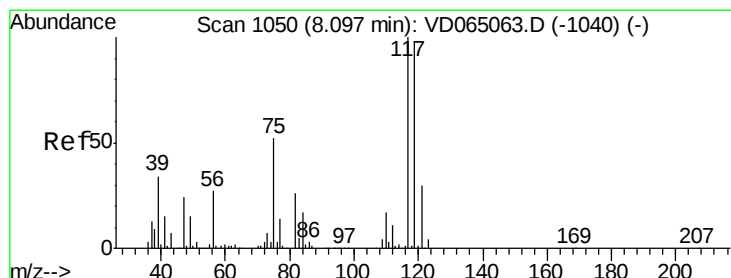
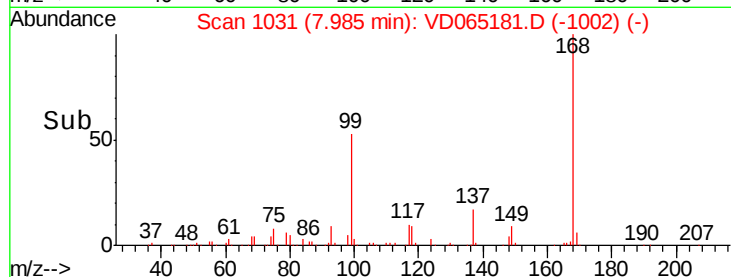
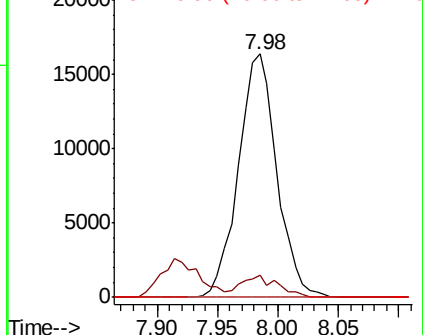
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#38

Carbon Tetrachloride

Concen: 6.066 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

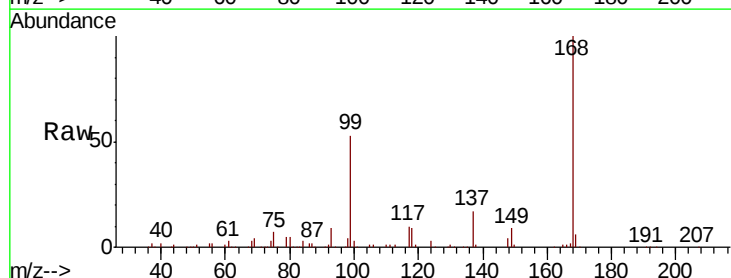
Tgt Ion: 117 Resp: 46001

Ion Ratio Lower Upper

117 100

119 6.2 78.5 117.7#

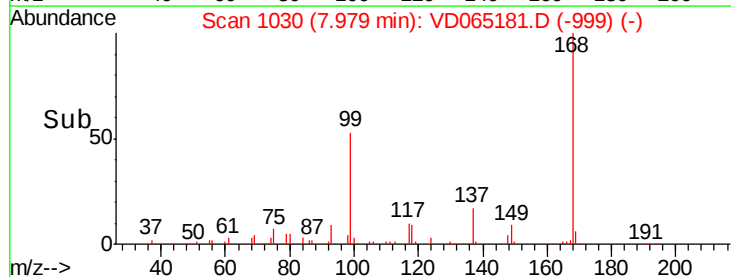
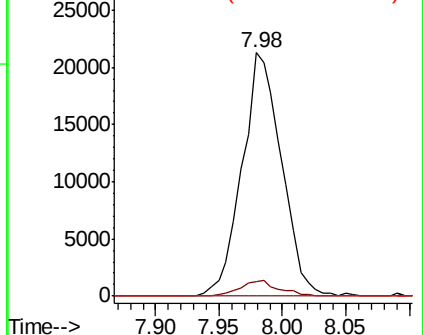
121 0.0 23.8 35.6#

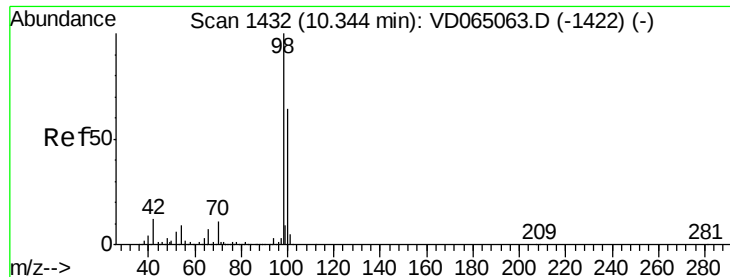


Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 118.80 (118.50 to 119.50): VDC

Ion 120.80 (120.50 to 121.50): VDC

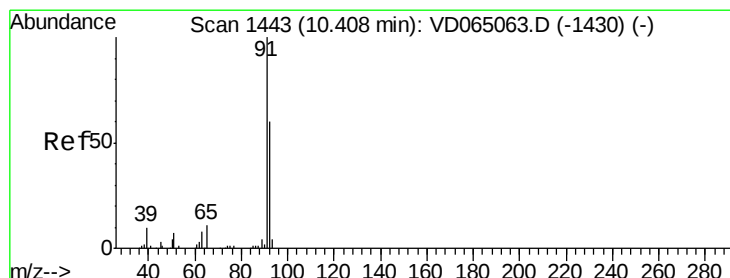
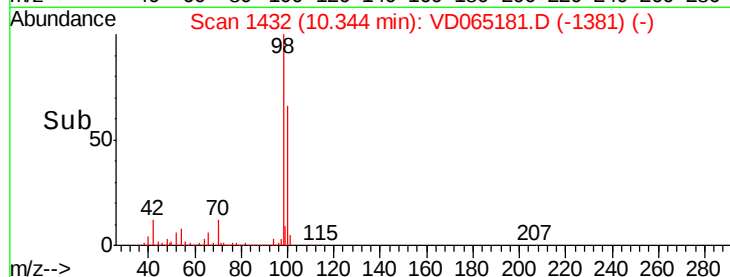
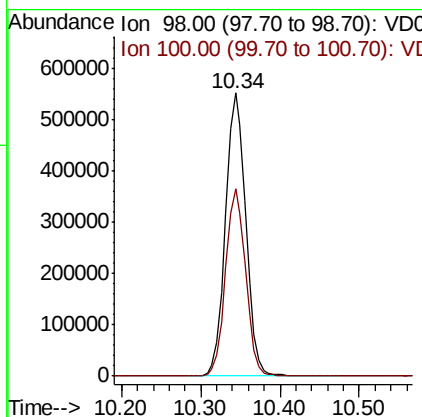
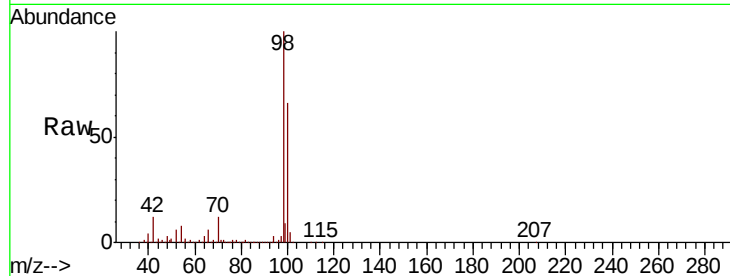




#50
Toluene-d8
Concen: 55.204 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

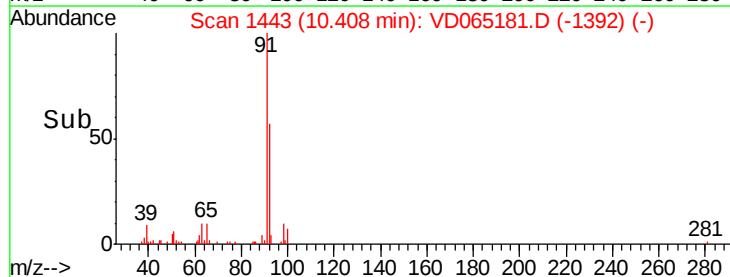
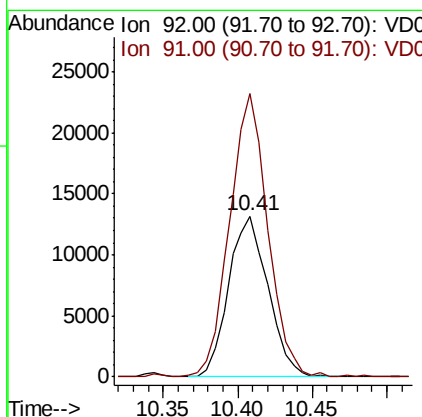
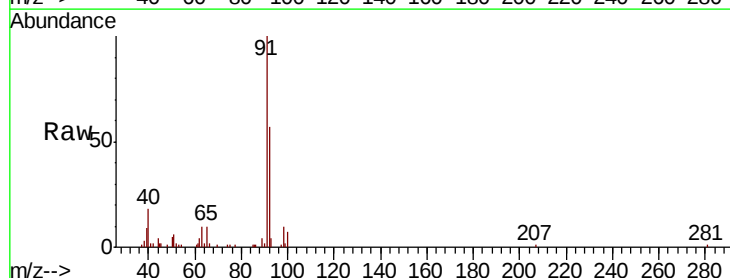
Instrument :
MSVOA_D
ClientSampleId :

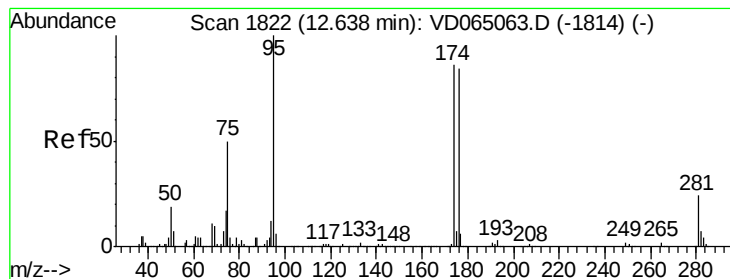
Tot Ion: 98 Resp: 978953
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#52
Toluene
Concen: 1.850 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

Tgt Ion: 92 Resp: 24216
Ion Ratio Lower Upper
92 100
91 170.4 135.3 202.9





#62

4-Bromofluorobenzene

Concen: 66.324 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_D

ClientSampleId :

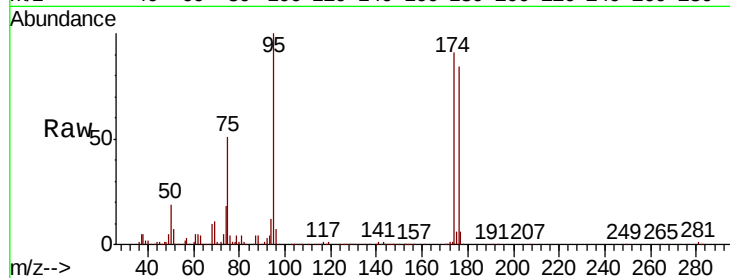
Tot Ion: 95 Resp: 372677

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.0

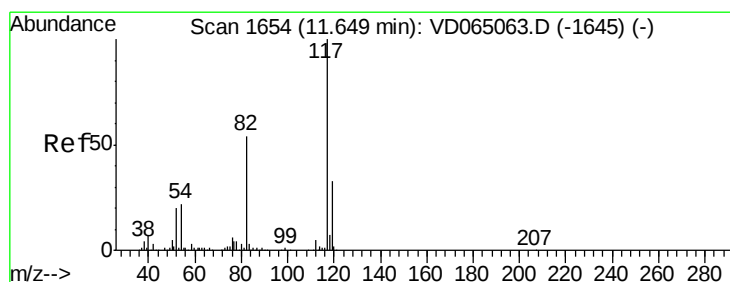
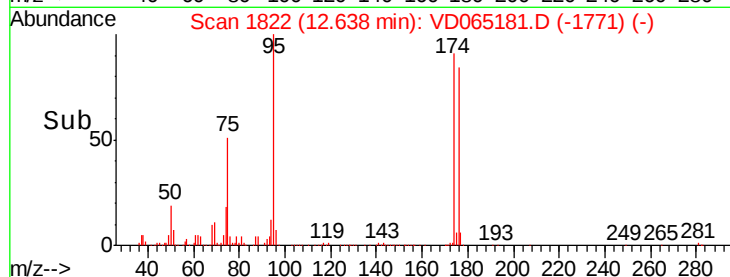
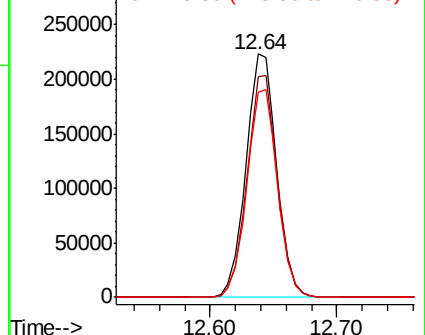
176 85.7 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VD

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: VD065181.D

Acq: 13 Feb 2020 17:14

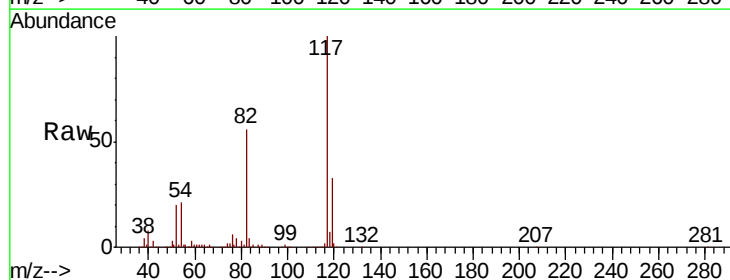
Tgt Ion: 117 Resp: 844051

Ion Ratio Lower Upper

117 100

82 55.6 43.1 64.7

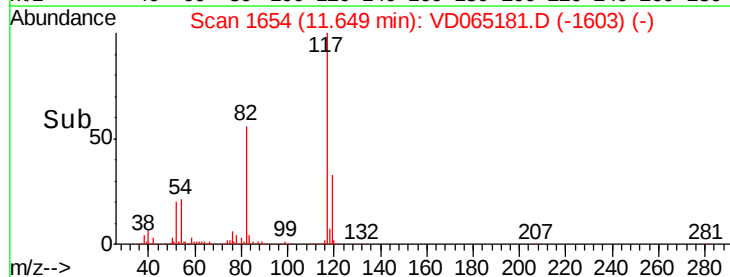
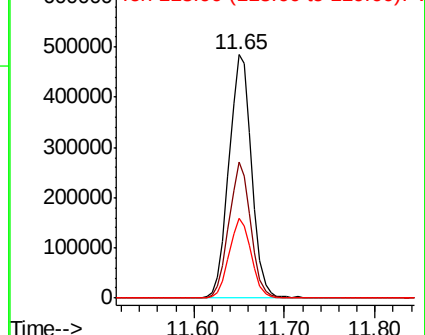
119 32.6 26.0 39.0

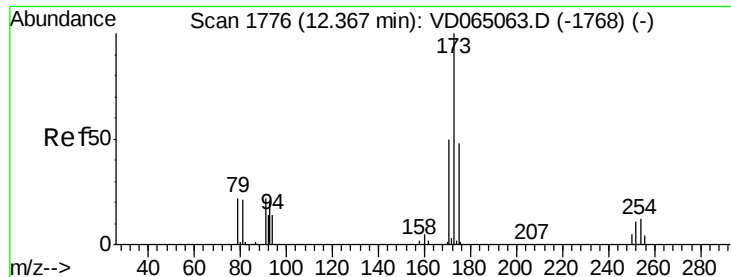


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

Ion 118.90 (118.60 to 119.60): V

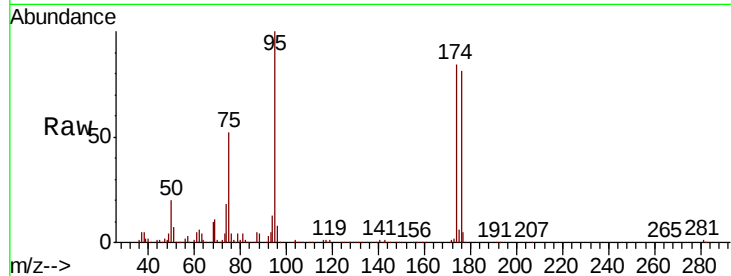




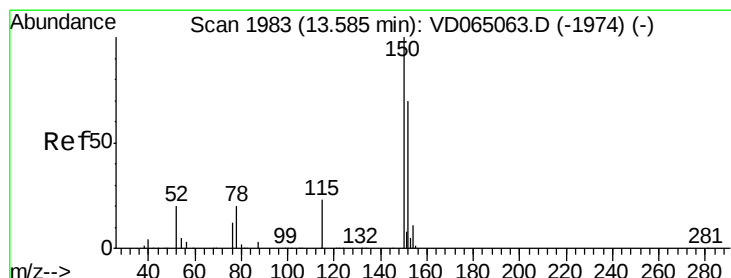
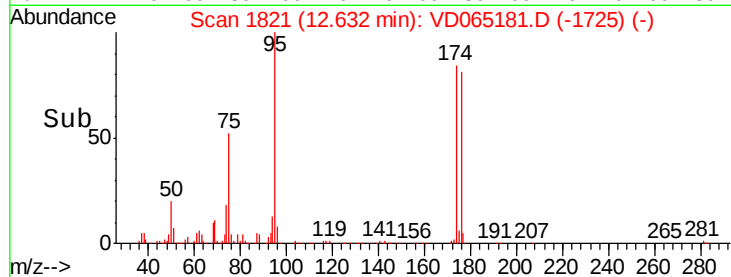
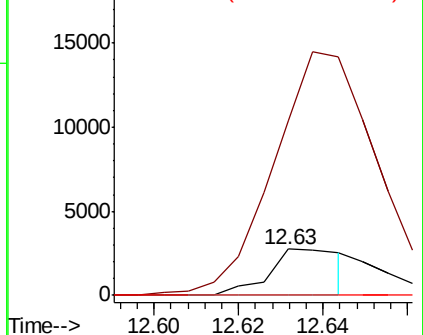
#71
Bromoform
Concen: 1.017 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.26 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 3297
Ion Ratio Lower Upper
173 100
175 521.5 24.3 72.8#
254 0.0 0.1 0.1#

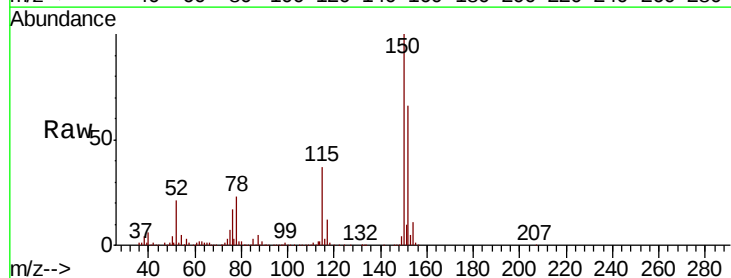


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

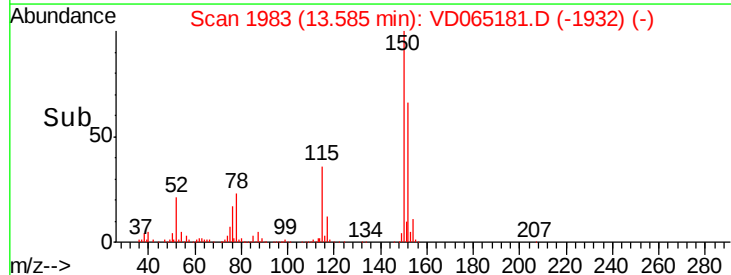
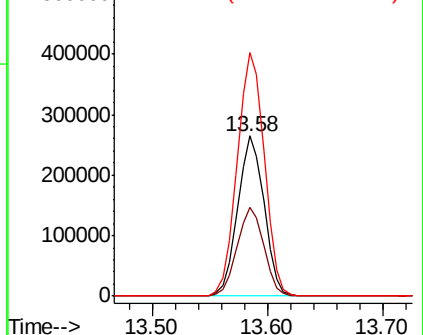


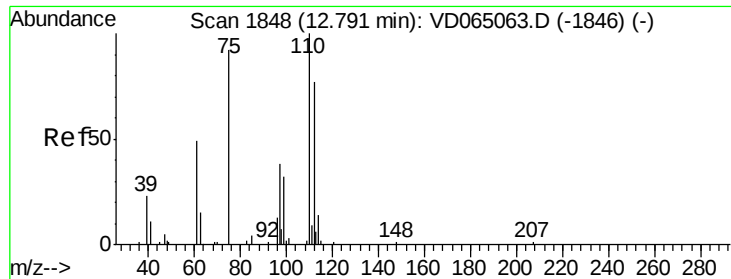
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065181.D
Acq: 13 Feb 2020 17:14

Tgt Ion:152 Resp: 419982
Ion Ratio Lower Upper
152 100
115 56.2 27.5 82.4
150 156.0 0.0 343.2



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





#76

1,2,3-Trichloropropane

Concen: 59.939 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

Instrument :

MSVOA_D

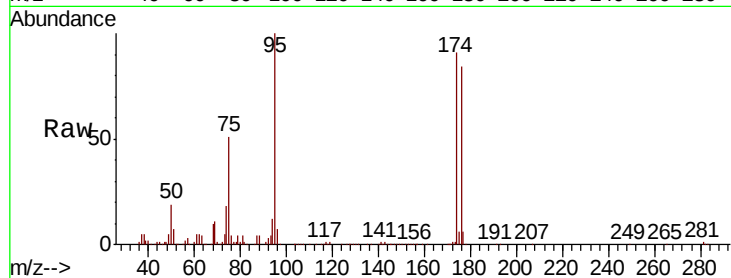
ClientSampleId :

Tot Ion: 75 Resp: 190588

Ion Ratio Lower Upper

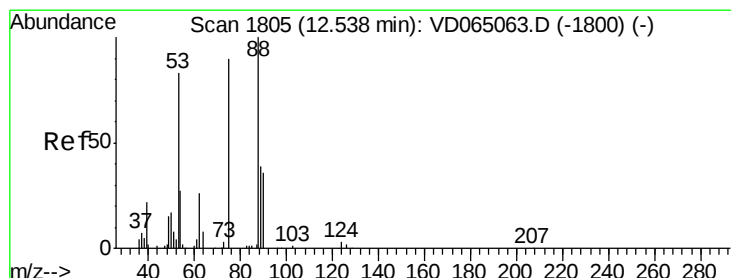
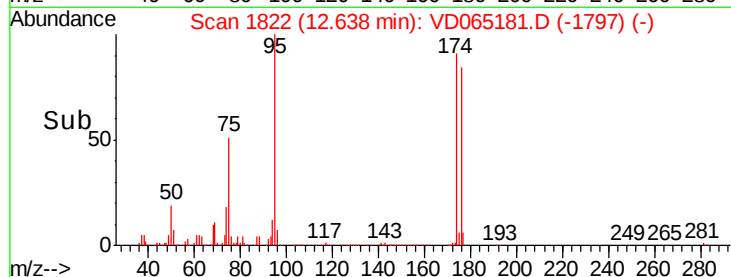
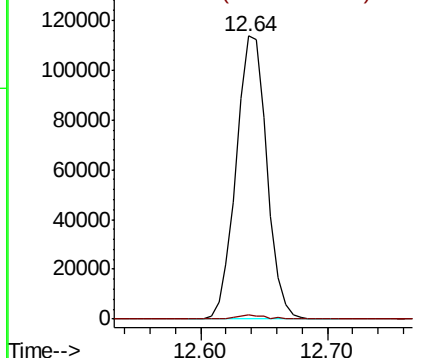
75 100

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: 119.873 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065181.D

Acq: 13 Feb 2020 17:14

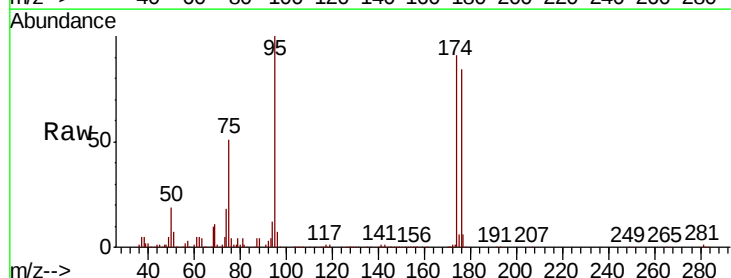
Tgt Ion: 75 Resp: 190588

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 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

