

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065818.D
 Acq On : 18 Jun 2020 19:42
 Operator : VA/SY
 Sample : L3024-22
 Misc : 6.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11

Quant Time: Jun 19 01:04:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	129928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	228516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	189717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	64817	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	81563	63.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.06%	
35) Dibromofluoromethane	7.92	113	76428	52.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.90%	
50) Toluene-d8	10.34	98	252122	46.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.68%	
62) 4-Bromofluorobenzene	12.64	95	65641	35.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.92%	

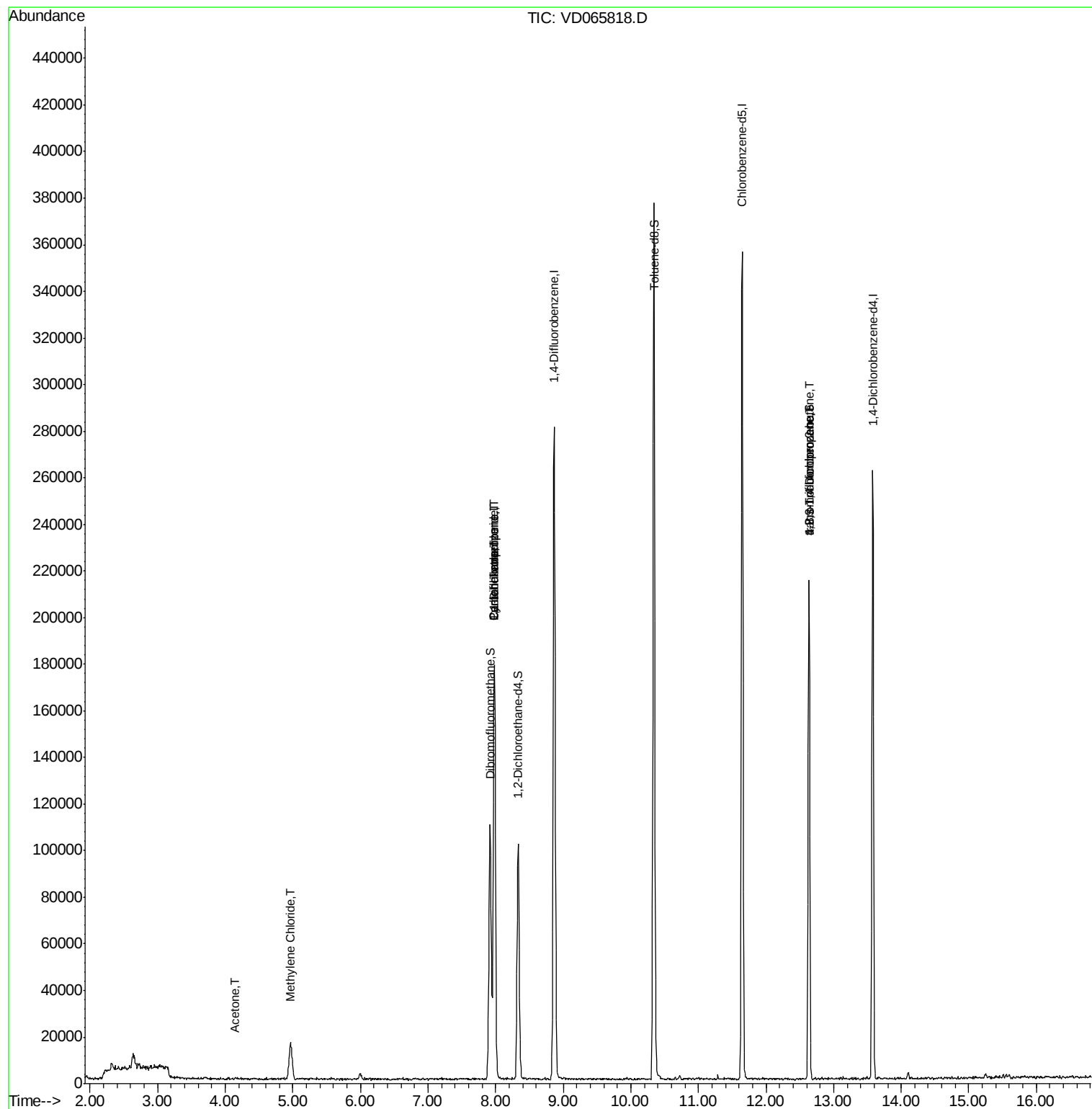
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	100	Below Cal	#	43
16) Acetone	4.15	43	663	2.738	ug/l #	47
20) Methylene Chloride	4.97	84	11018	4.520	ug/l #	93
31) Cyclohexane	7.98	56	3337	1.449	ug/l #	54
36) 1,1-Dichloropropene	7.97	75	11361	5.190	ug/l #	49
38) Carbon Tetrachloride	7.98	117	13882	6.026	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	37190	73.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	37190	159.403	ug/l #	9

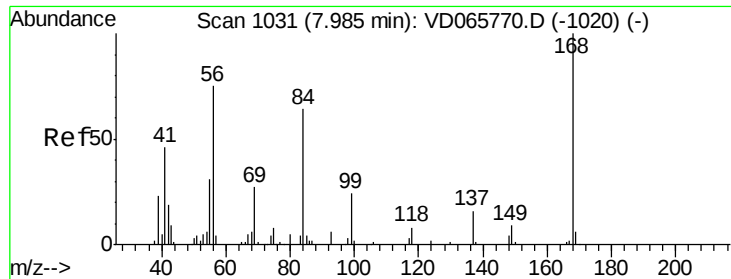
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061820\
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Quant Time: Jun 19 01:04:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

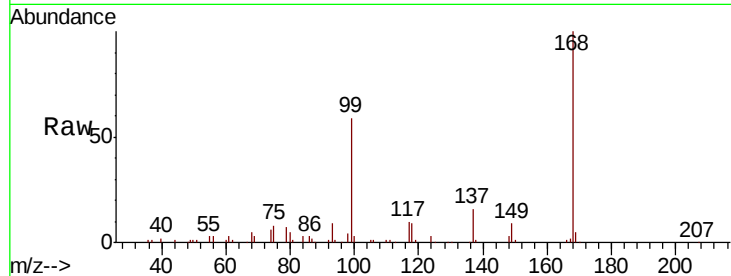
RO-11

Tot Ion:168 Resp: 129928

Ion Ratio Lower Upper

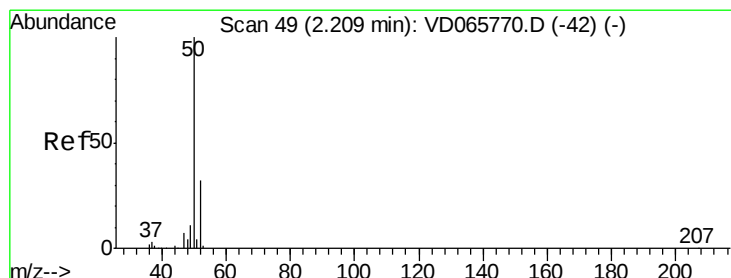
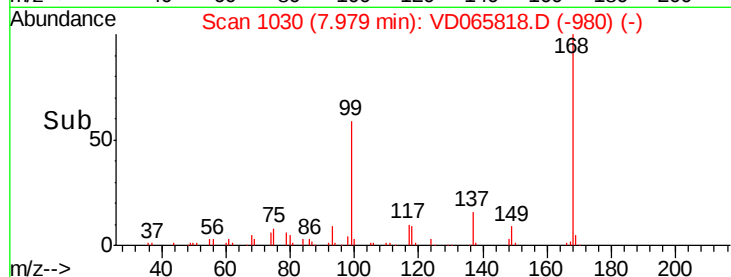
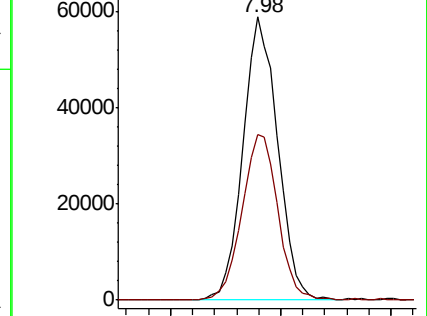
168 100

99 58.7 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065818.D

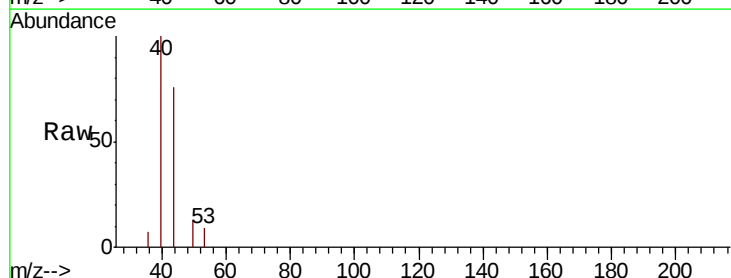
Acq: 18 Jun 2020 19:42

Tgt Ion: 50 Resp: 100

Ion Ratio Lower Upper

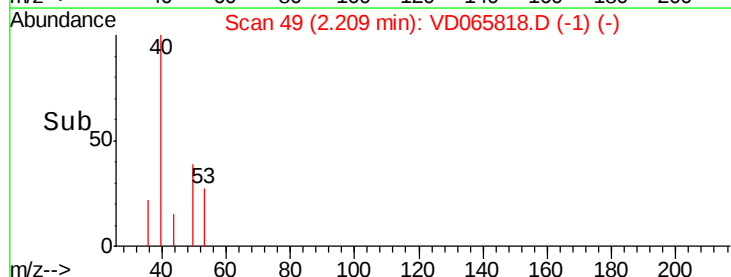
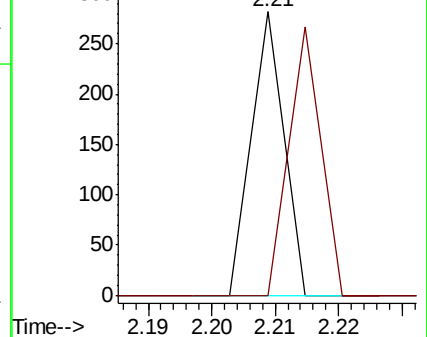
50 100

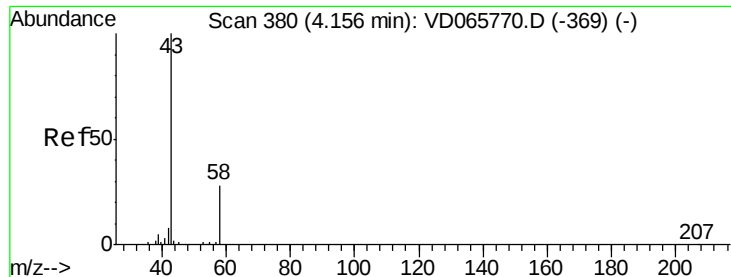
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 2.738 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

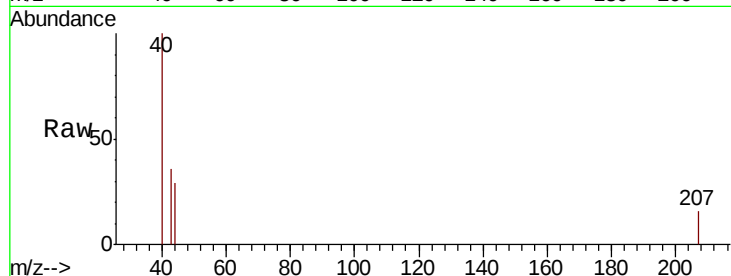
RO-11

Tot Ion: 43 Resp: 663

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



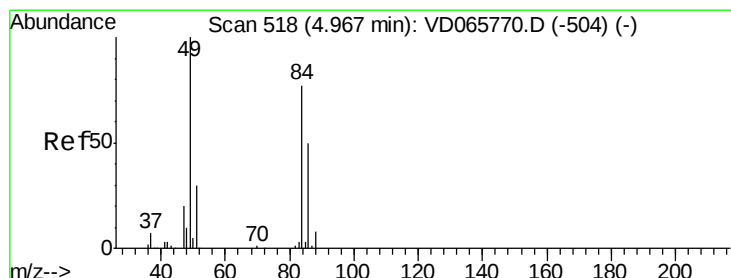
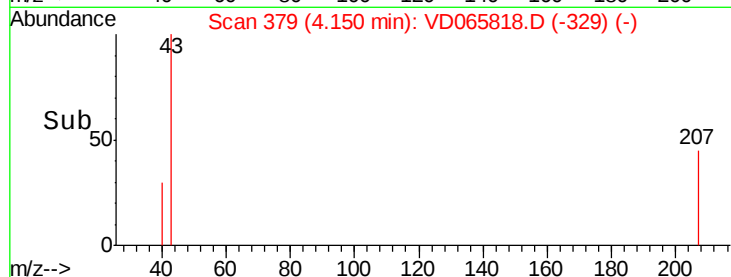
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

4.16

Time-->



#20

Methylene Chloride

Concen: 4.520 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

Tgt Ion: 84 Resp: 11018

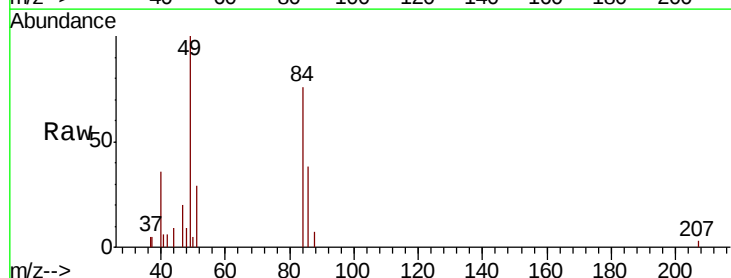
Ion Ratio Lower Upper

84 100

49 131.1 103.4 155.0

51 37.6 31.4 47.2

86 49.6 51.7 77.5#



Abundance Ion 83.90 (83.60 to 84.60): VDC

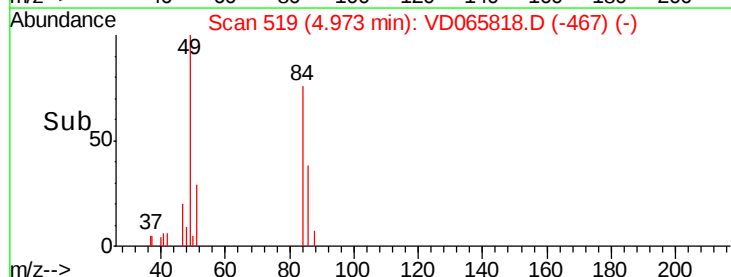
Ion 48.90 (48.60 to 49.60): VDC

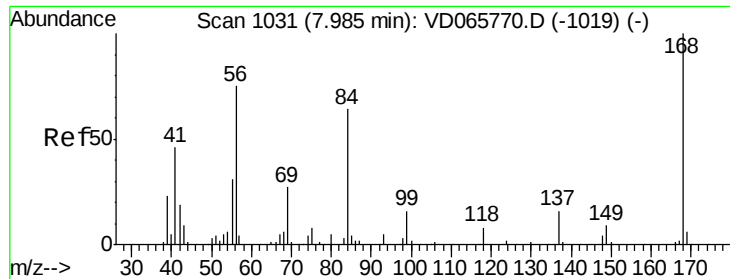
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.97

Time-->

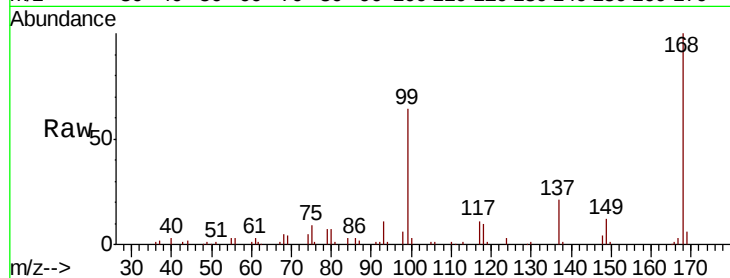




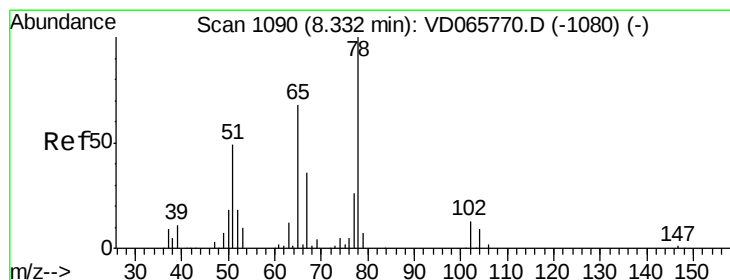
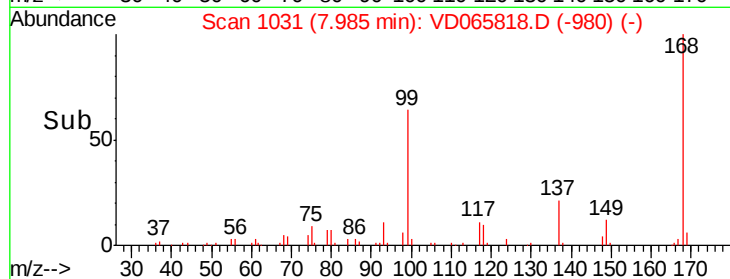
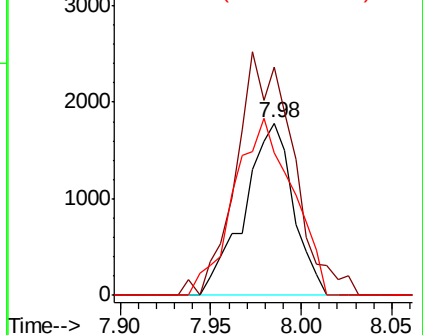
#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Instrument :
MSVOA_D
ClientSampled :
RO-11

Tot Ion: 56 Resp: 3337
Ion Ratio Lower Upper
56 100
69 123.8 28.5 42.7#
84 82.9 68.4 102.6

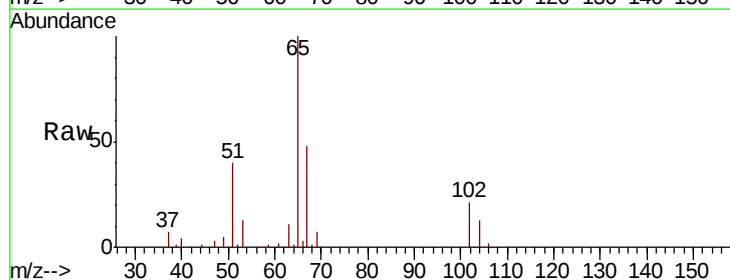


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

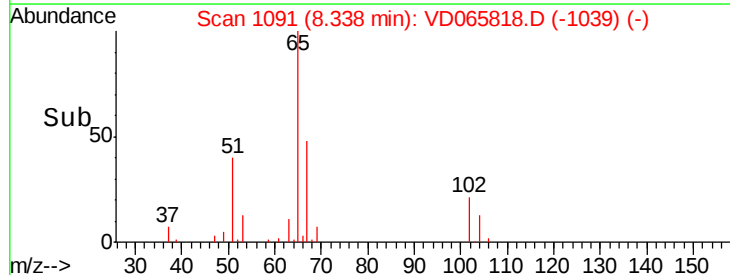
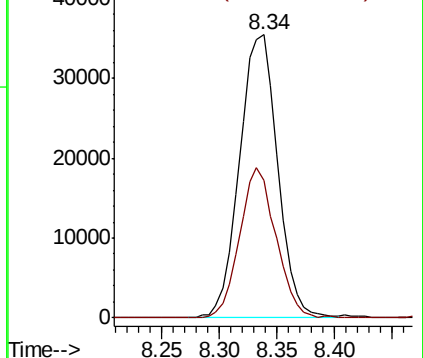


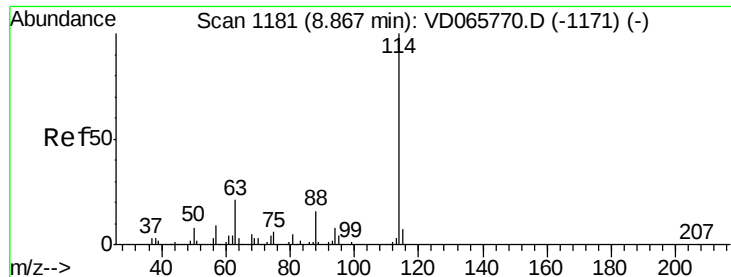
#33
1,2-Dichloroethane-d4
Concen: 63.529 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Tgt Ion: 65 Resp: 81563
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

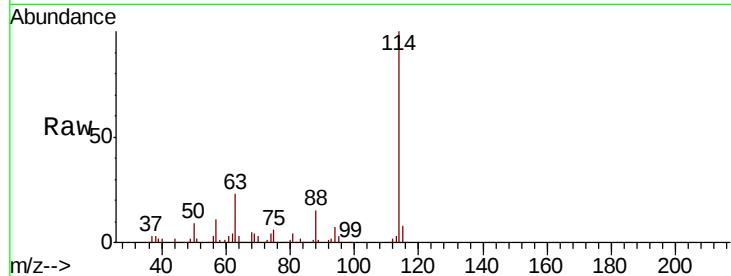




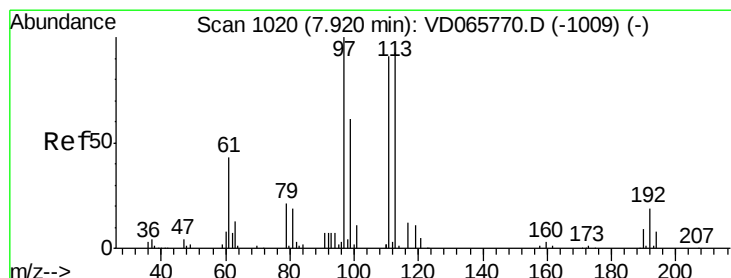
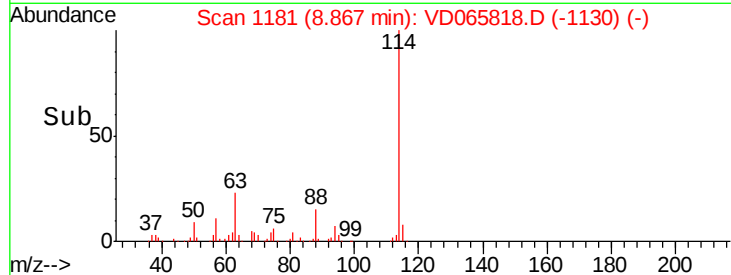
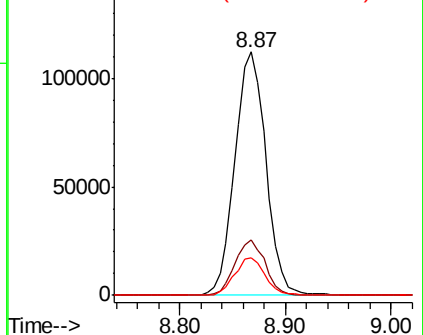
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Instrument :
MSVOA_D
ClientSampleId :
RO-11

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	15.2	0.0	32.0

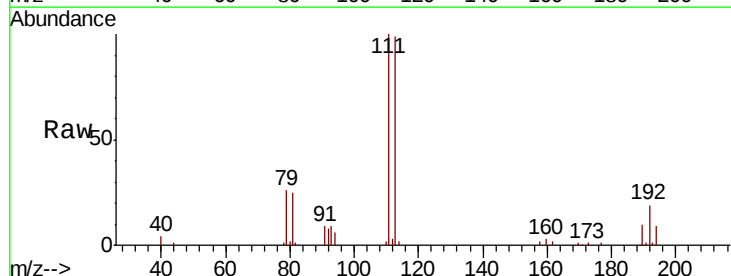


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

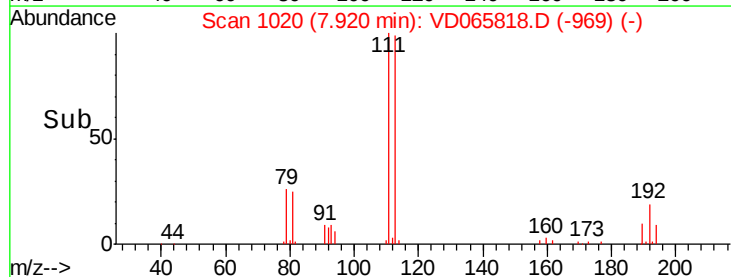
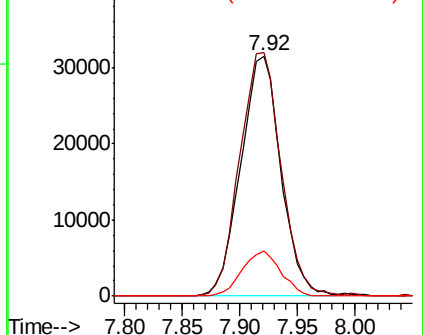


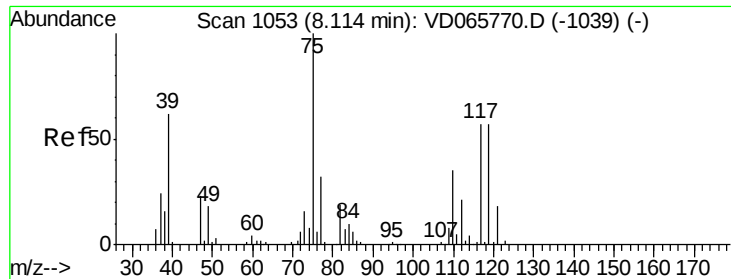
#35
Dibromofluoromethane
Concen: 52.948 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.4	125.0
192	18.0	15.7	23.5



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

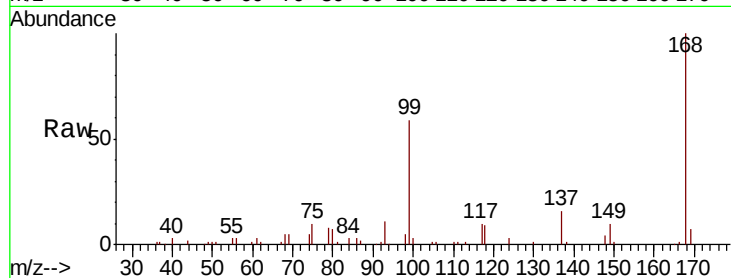




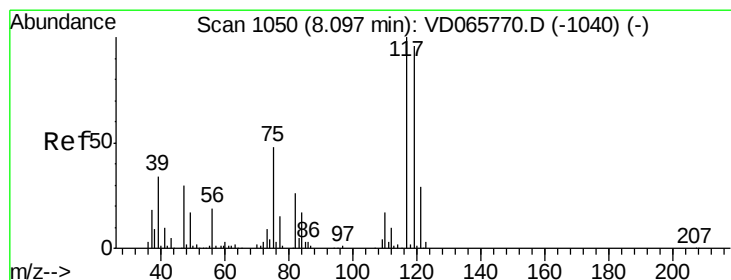
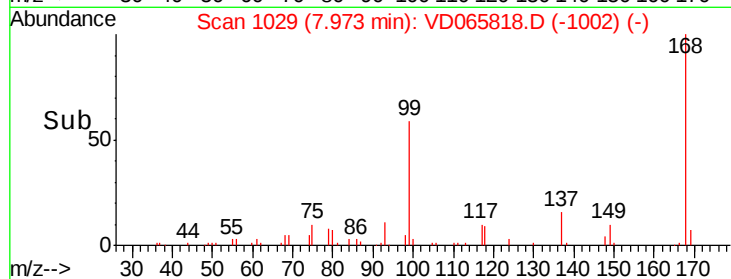
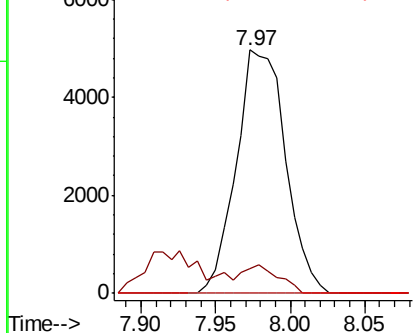
#36
 1,1-Dichloropropene
 Concen: 5.190 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD065818.D
 Acq: 18 Jun 2020 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11

Tot Ion: 75 Resp: 11361
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.8#
 77 0.0 25.1 37.7#

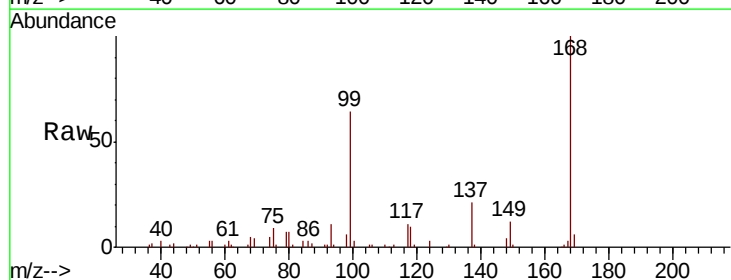


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

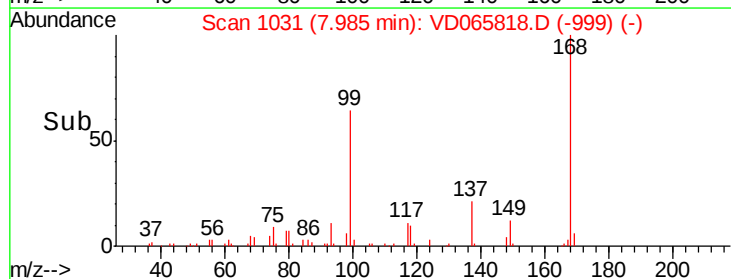
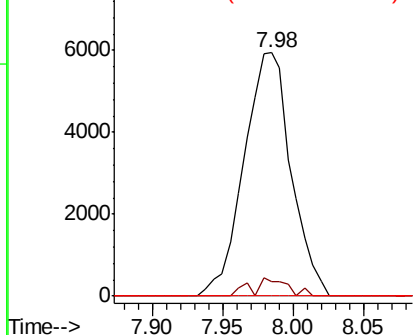


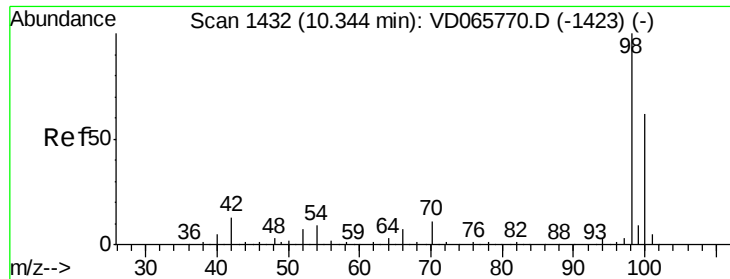
#38
 Carbon Tetrachloride
 Concen: 6.026 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065818.D
 Acq: 18 Jun 2020 19:42

Tgt Ion: 117 Resp: 13882
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.8 115.2#
 121 0.0 23.4 35.2#



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: 46.842 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

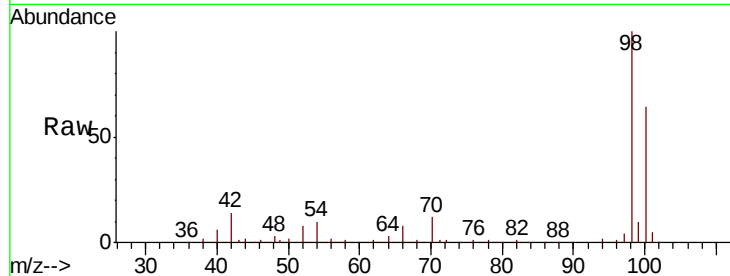
RO-11

Tot Ion: 98 Resp: 252122

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

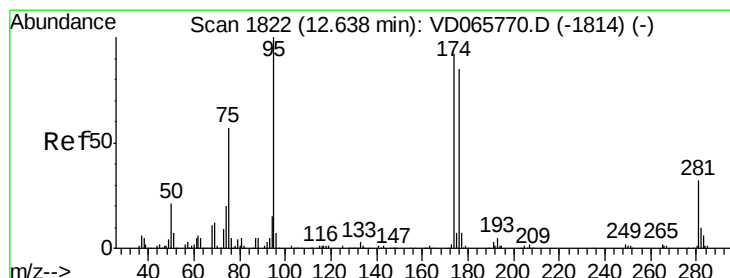
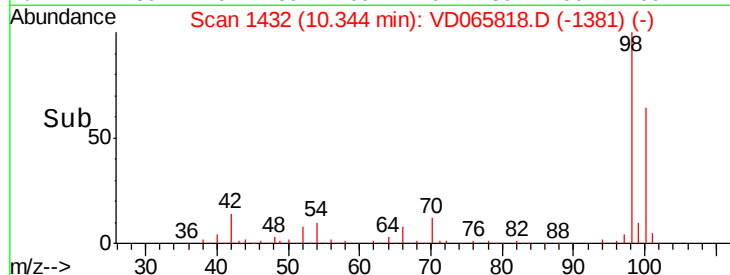
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.960 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

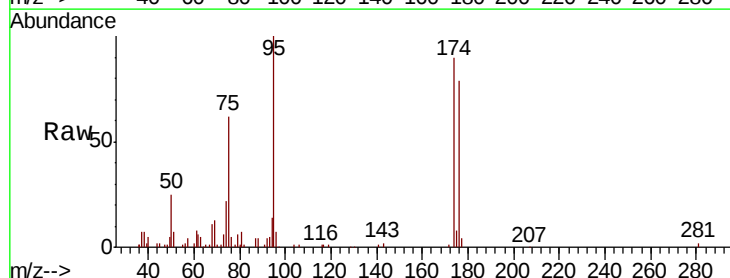
Tgt Ion: 95 Resp: 65641

Ion Ratio Lower Upper

95 100

174 83.6 0.0 175.2

176 77.2 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

50000

40000

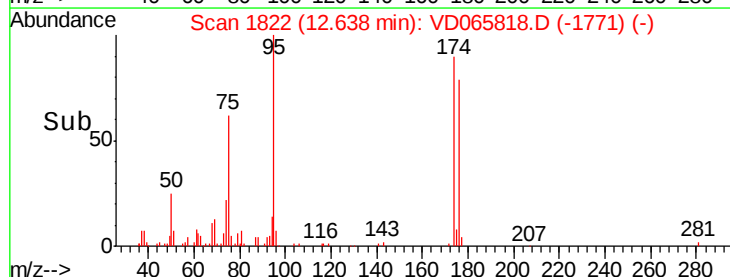
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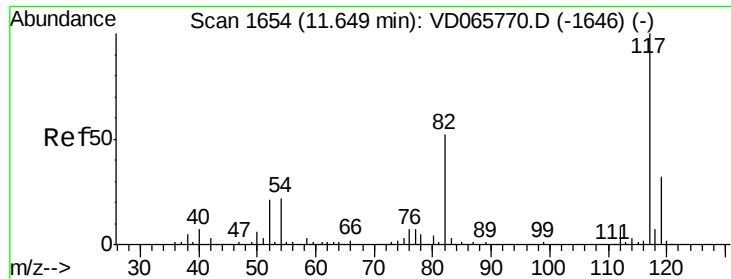
20000

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0

Time-->

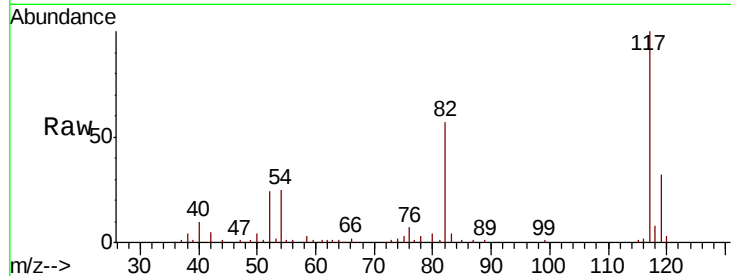




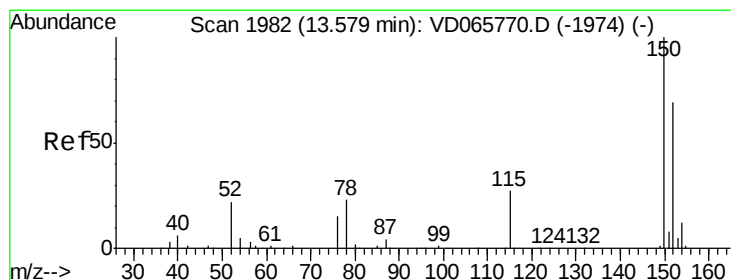
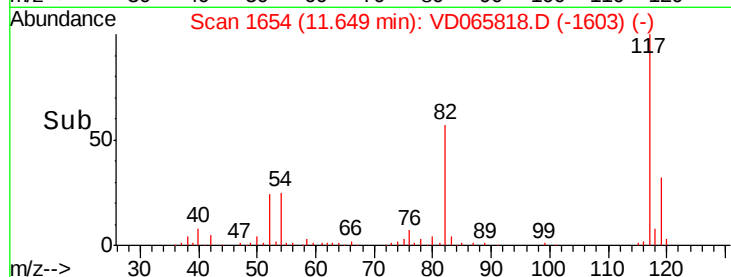
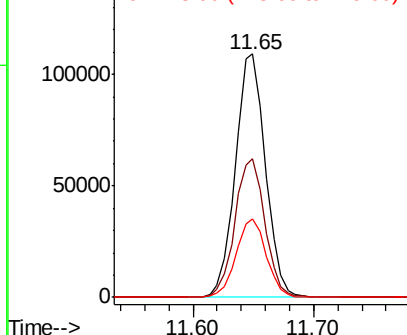
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Instrument :
MSVOA_D
ClientSampleID :
RO-11

Tot Ion:117 Resp: 189717
Ion Ratio Lower Upper
117 100
82 56.9 41.9 62.9
119 32.1 25.3 37.9

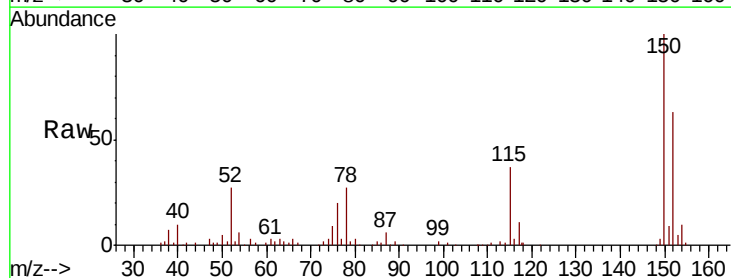


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

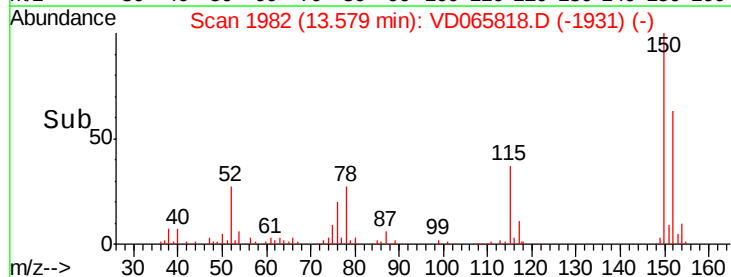
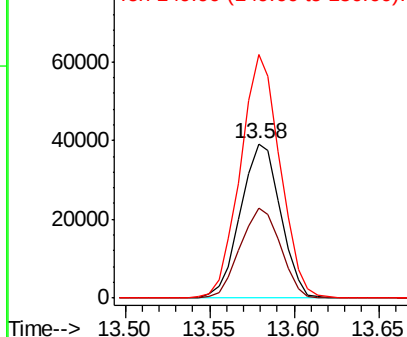


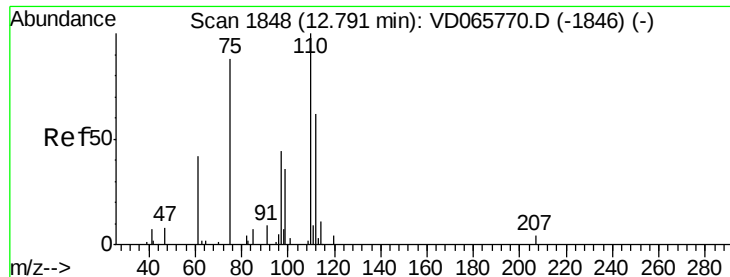
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065818.D
Acq: 18 Jun 2020 19:42

Tgt Ion:152 Resp: 64817
Ion Ratio Lower Upper
152 100
115 58.6 28.7 86.1
150 155.9 0.0 348.0



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: 73.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

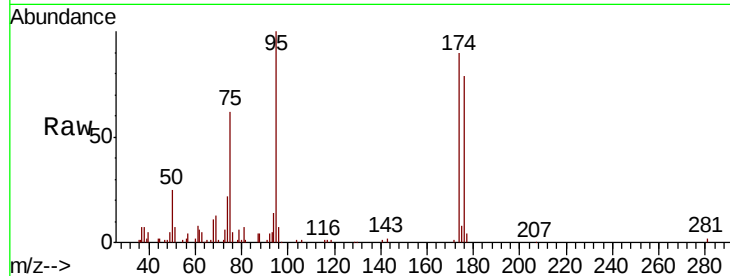
RO-11

Tot Ion: 75 Resp: 37190

Ion Ratio Lower Upper

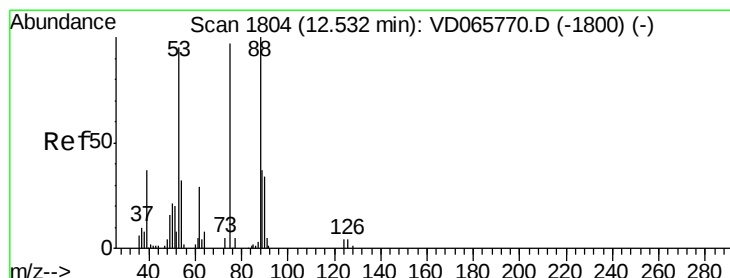
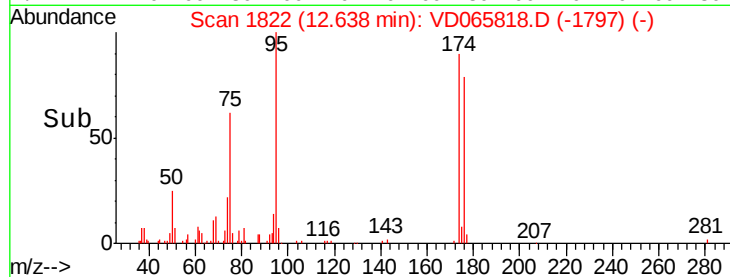
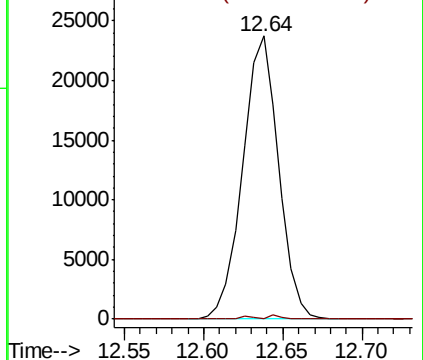
75 100

77 0.5 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: 159.403 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065818.D

Acq: 18 Jun 2020 19:42

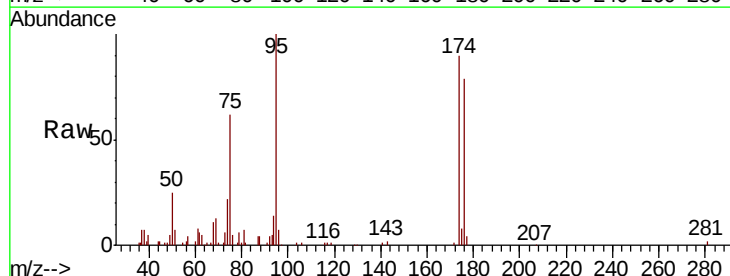
Tgt Ion: 75 Resp: 37190

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#



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

