

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065967.D
 Acq On : 16 Jul 2020 19:51
 Operator : VA/SY
 Sample : L3308-07
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 7

Quant Time: Jul 17 03:40:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

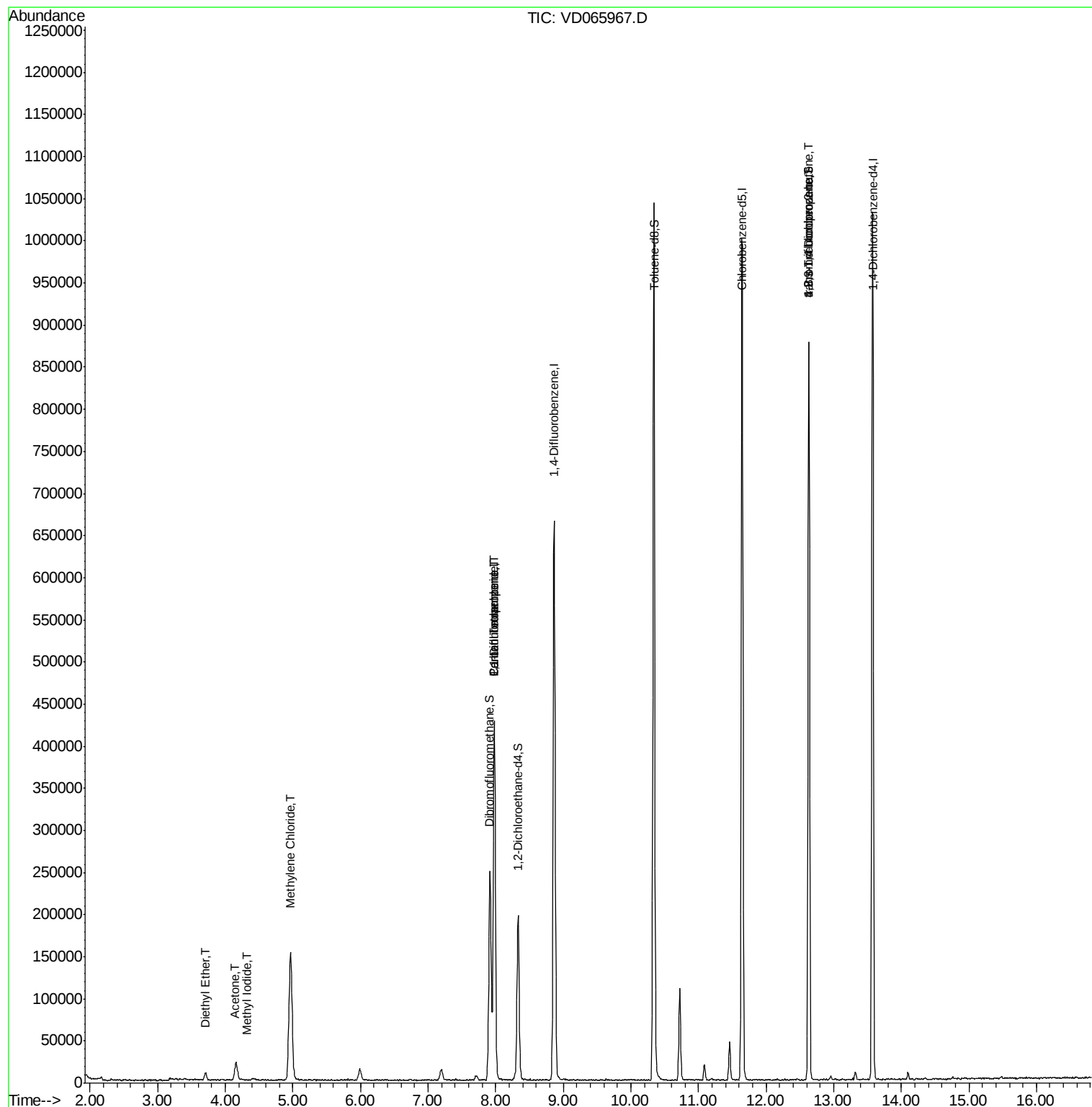
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	340709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	609431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290015	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	156409	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
35) Dibromofluoromethane	7.91	113	183130	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.34	98	719182	53.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.63	95	264520	57.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.18%	
Target Compounds						
8) Diethyl Ether	3.70	74	5129	3.164	ug/l	91
10) Methyl Iodide	4.32	142	66	2.530	ug/l #	41
11) Tert butyl alcohol	5.22	59	59	Below Cal	#	71
16) Acetone	4.15	43	39110	55.268	ug/l #	89
20) Methylene Chloride	4.96	84	121221	27.101	ug/l	95
36) 1,1-Dichloropropene	7.98	75	22247	3.757	ug/l #	49
38) Carbon Tetrachloride	7.98	117	31663	4.989	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	129927	53.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	129927	114.753	ug/l #	11

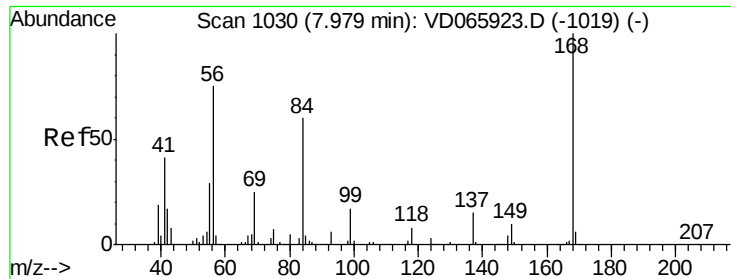
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071620\
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QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

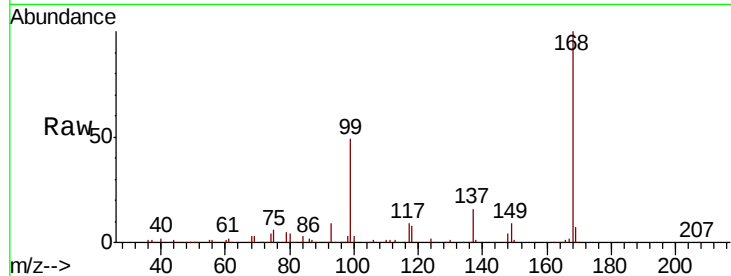
Instrument :
MSVOA_D
ClientSampleId :
7

Tot Ion:168 Resp: 340709

Ion Ratio Lower Upper

168 100

99 48.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

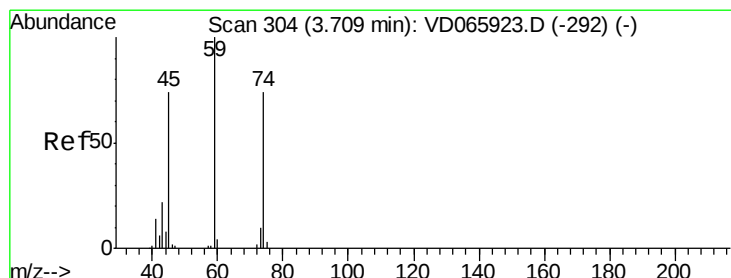
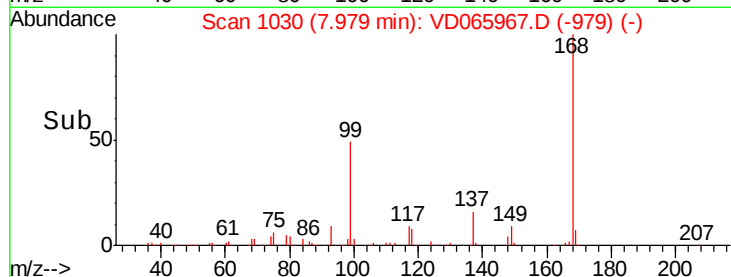
100000

50000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 3.164 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065967.D

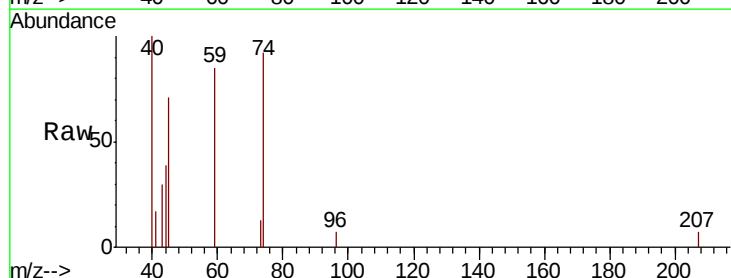
Acq: 16 Jul 2020 19:51

Tgt Ion: 74 Resp: 5129

Ion Ratio Lower Upper

74 100

45 92.7 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

2500

2000

1500

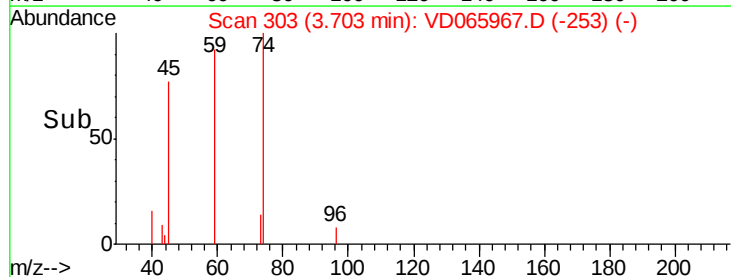
1000

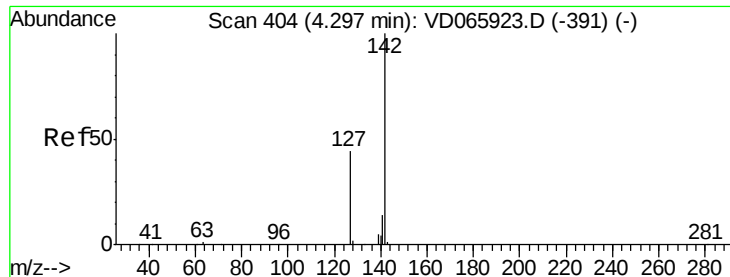
500

0

3.65 3.70 3.75 3.80

Time-->

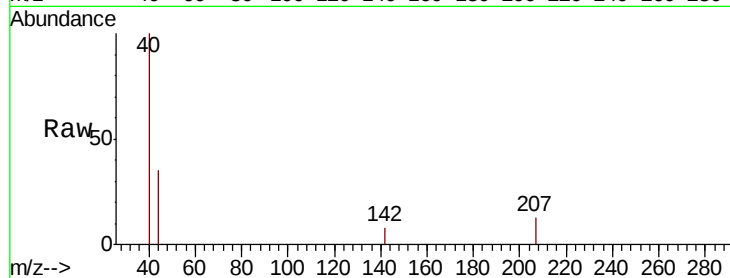




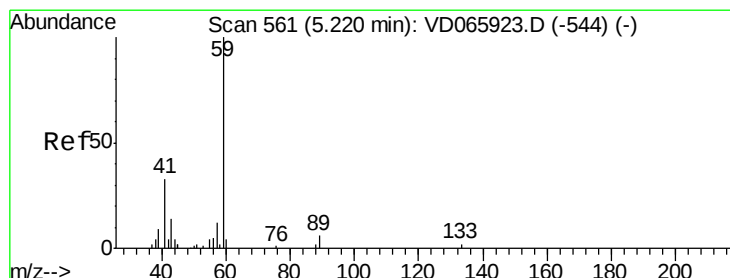
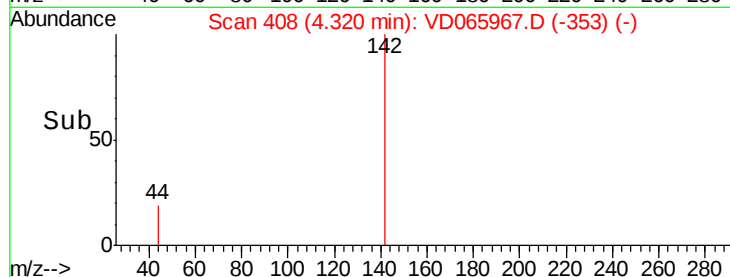
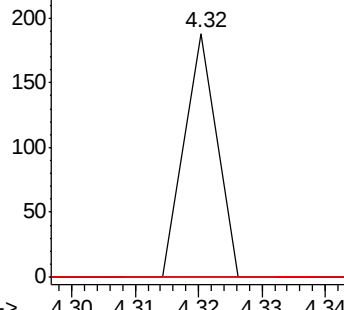
#10
Methyl Iodide
Concen: 2.530 ug/l
RT: 4.32 min Scan# 408
Delta R.T. 0.02 min
Lab File: VD065967.D
Acq: 16 Jul 2020 19:51

Instrument :
MSVOA_D
ClientSampleId :
7

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	34.6	51.8#
141	0.0	11.6	17.4#

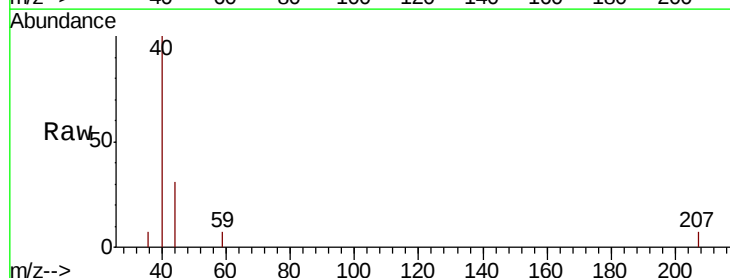


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

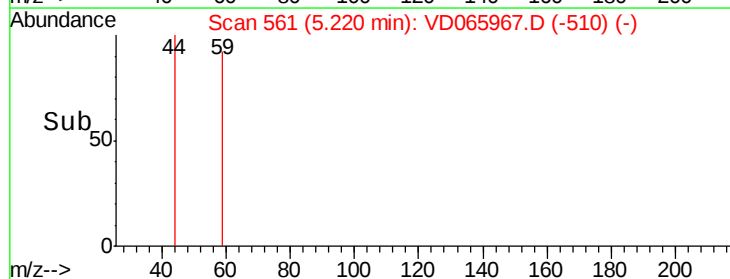
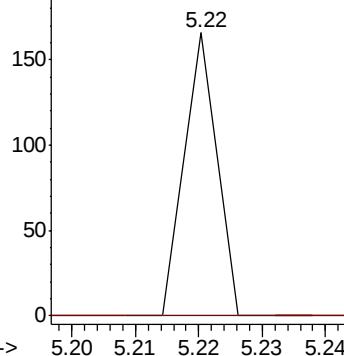


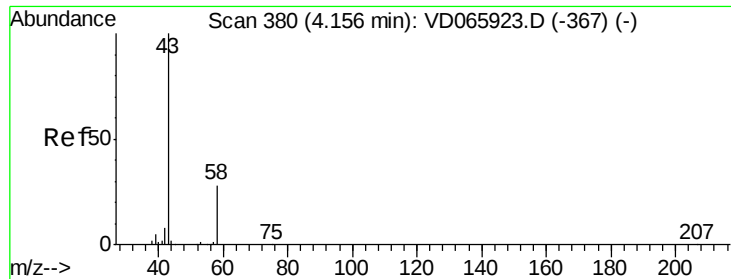
#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD065967.D
Acq: 16 Jul 2020 19:51

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 55.268 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :

MSVOA_D

ClientSampleId :

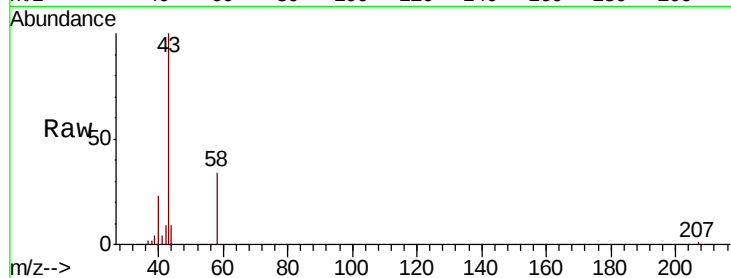
7

Tot Ion: 43 Resp: 39110

Ion Ratio Lower Upper

43 100

58 34.3 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

15000

10000

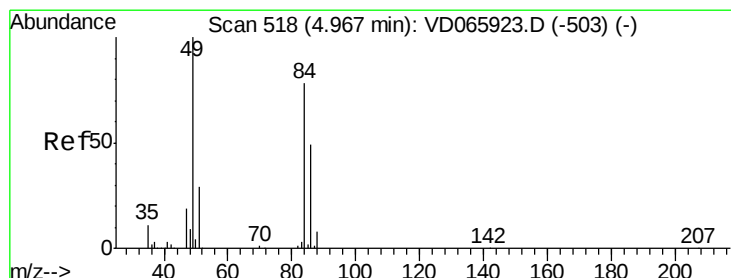
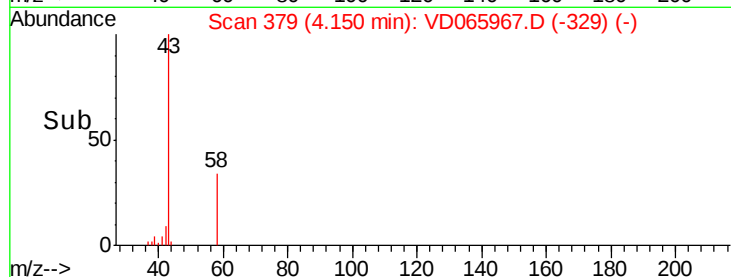
5000

0

4.15

4.10 4.20 4.30

Time-->



#20

Methylene Chloride

Concen: 27.101 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Tgt Ion: 84 Resp: 121221

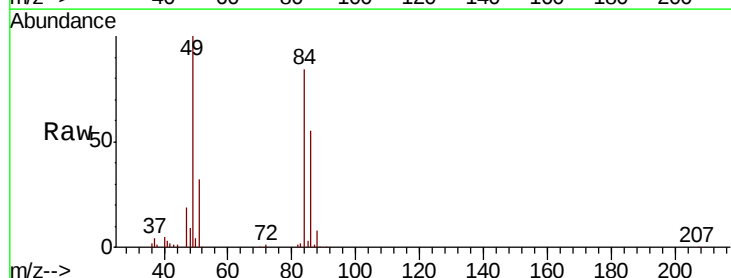
Ion Ratio Lower Upper

84 100

49 119.7 102.2 153.2

51 37.8 29.8 44.6

86 66.2 50.2 75.2



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

60000

40000

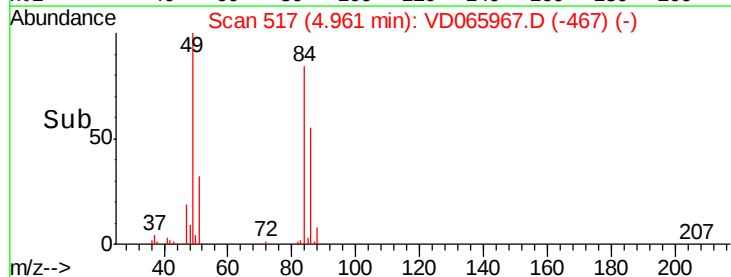
20000

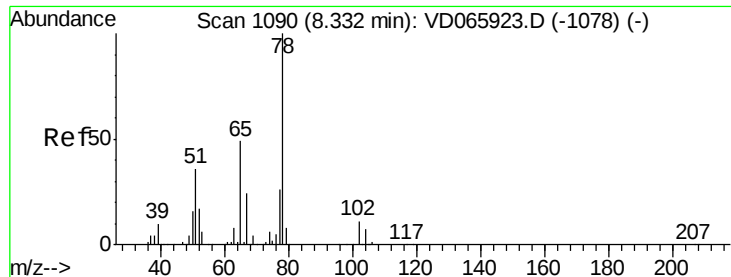
0

4.96

4.80 4.90 5.00 5.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.801 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :

MSVOA_D

ClientSampled :

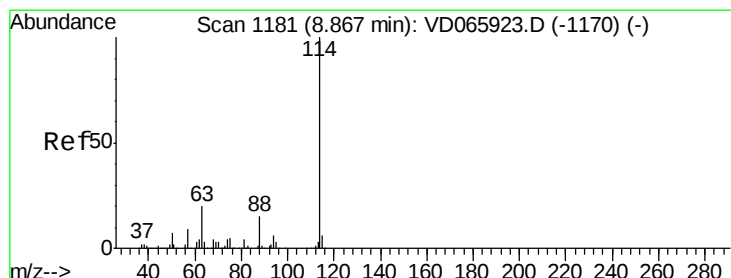
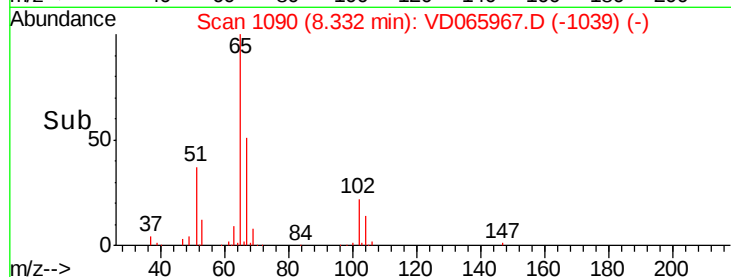
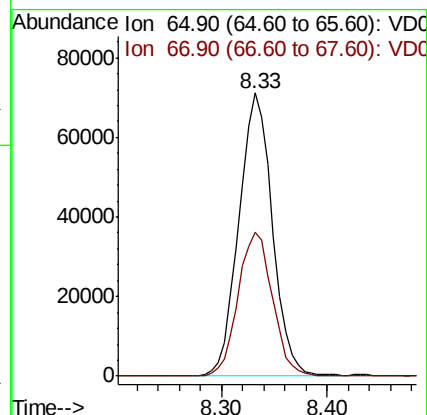
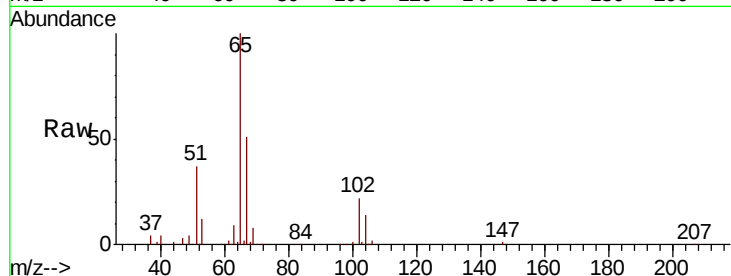
7

Tot Ion: 65 Resp: 156409

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

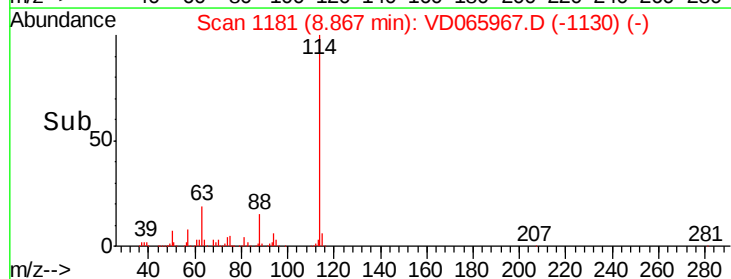
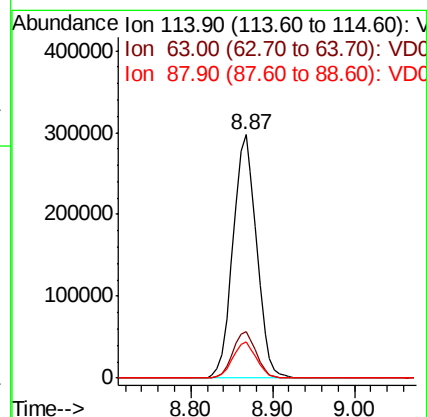
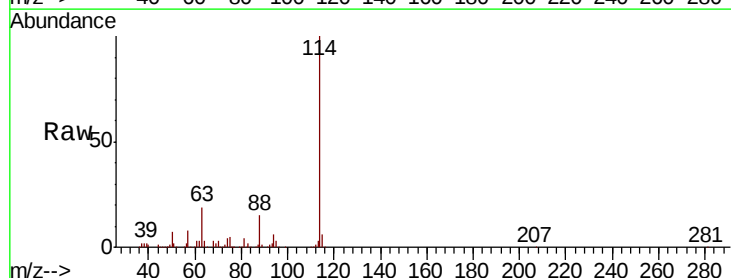
Tgt Ion: 114 Resp: 599486

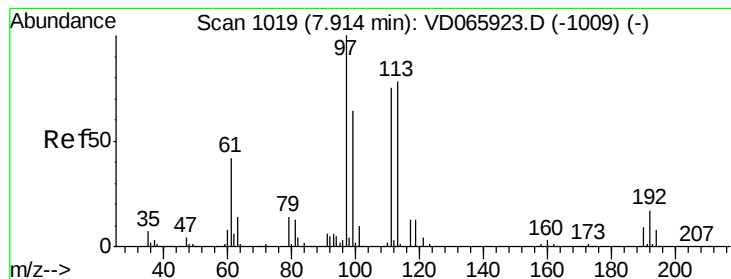
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.519 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :
MSVOA_D
ClientSampleId :
7

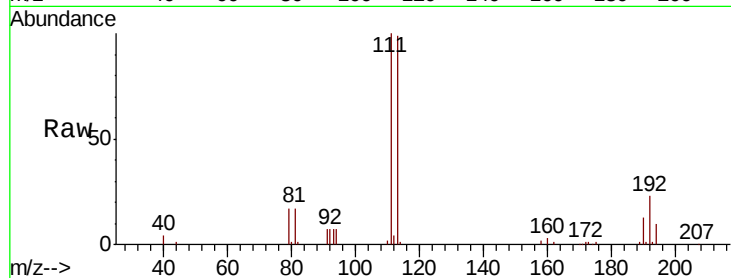
Tot Ion:113 Resp: 183130

Ion Ratio Lower Upper

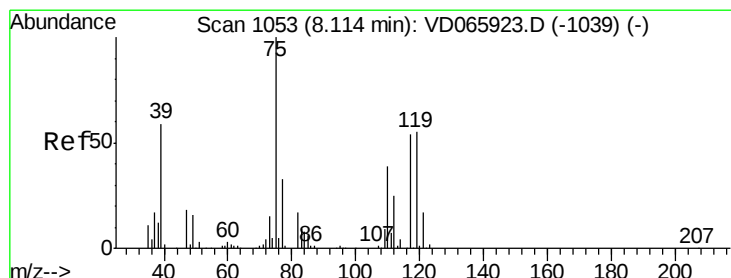
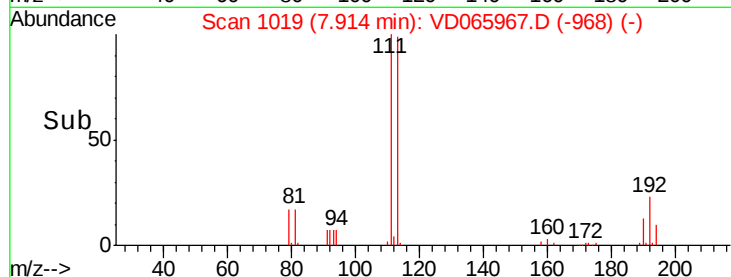
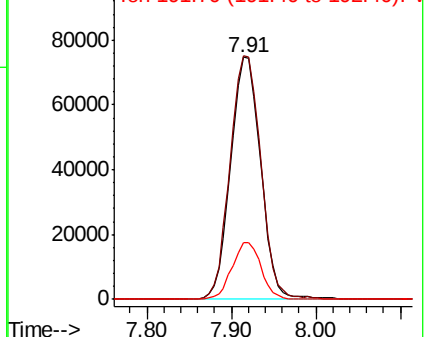
113 100

111 103.0 80.9 121.3

192 22.5 17.1 25.7



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: 3.757 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

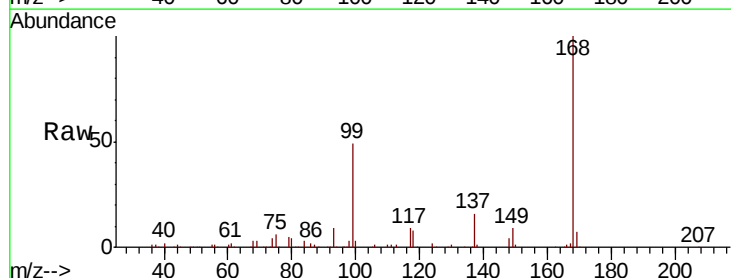
Tgt Ion: 75 Resp: 22247

Ion Ratio Lower Upper

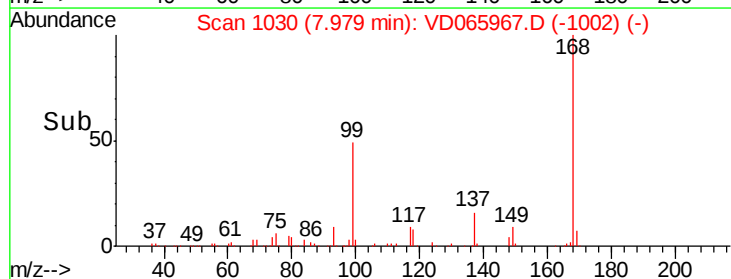
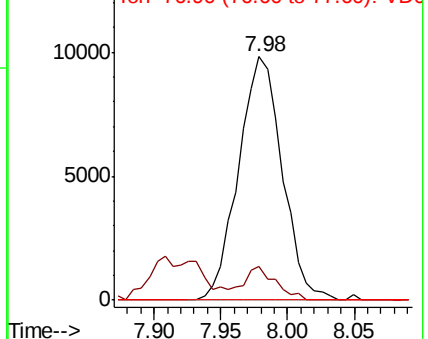
75 100

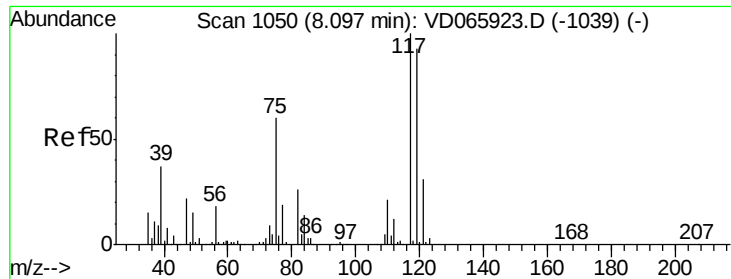
110 9.9 18.5 55.5#

77 0.0 25.6 38.4#



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: 4.989 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :

MSVOA_D

ClientSampleId :

7

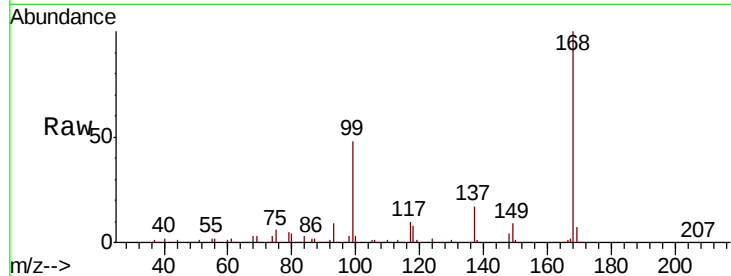
Tot Ion:117 Resp: 31663

Ion Ratio Lower Upper

117 100

119 5.8 74.7 112.1#

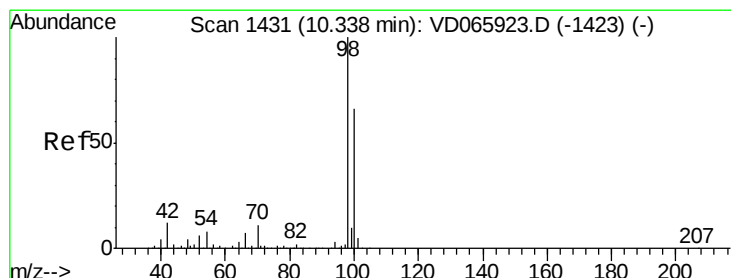
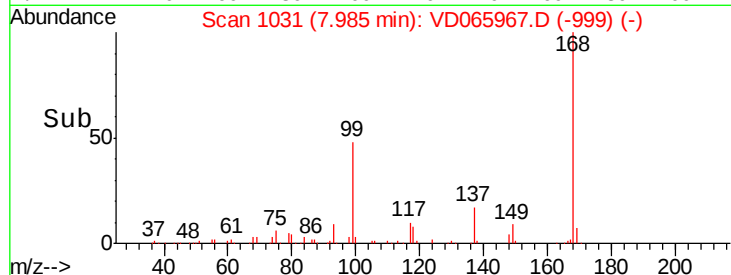
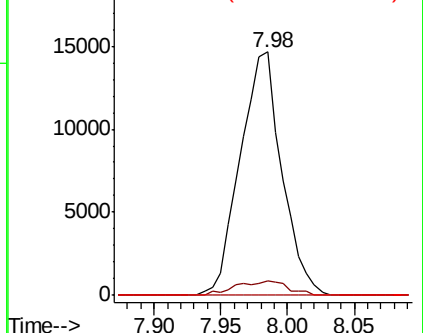
121 0.0 24.9 37.3#



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: 53.299 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065967.D

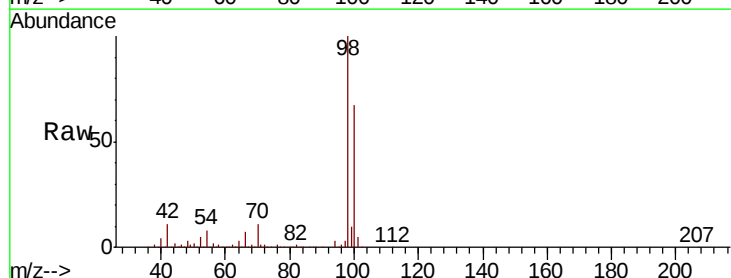
Acq: 16 Jul 2020 19:51

Tgt Ion: 98 Resp: 719182

Ion Ratio Lower Upper

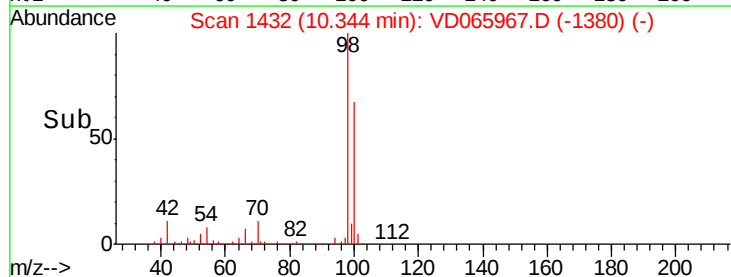
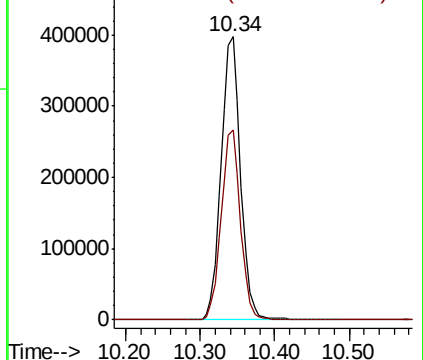
98 100

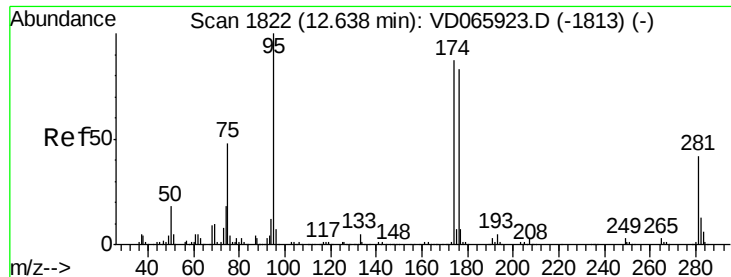
100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 57.087 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :

MSVOA_D

ClientSampled :

7

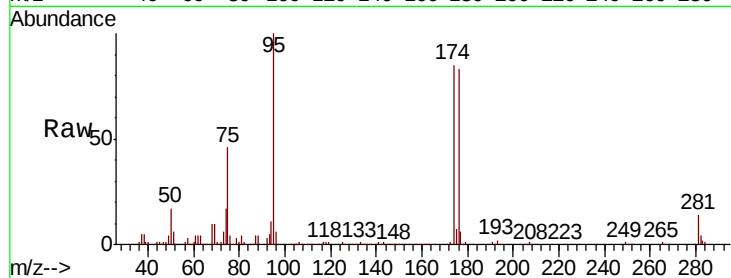
Tot Ion: 95 Resp: 264520

Ion Ratio Lower Upper

95 100

174 90.4 0.0 169.4

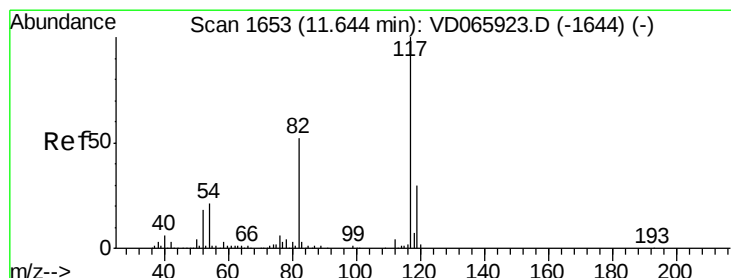
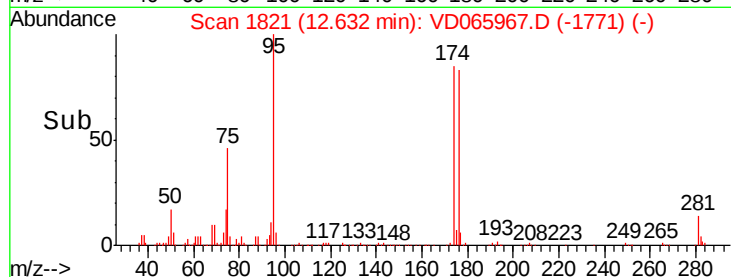
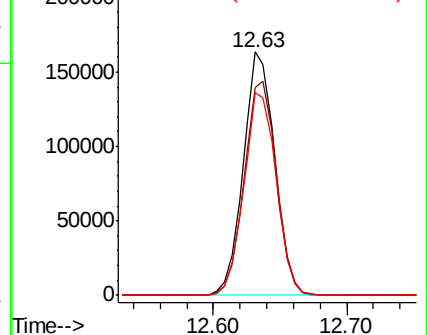
176 85.7 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): V

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. 0.01 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

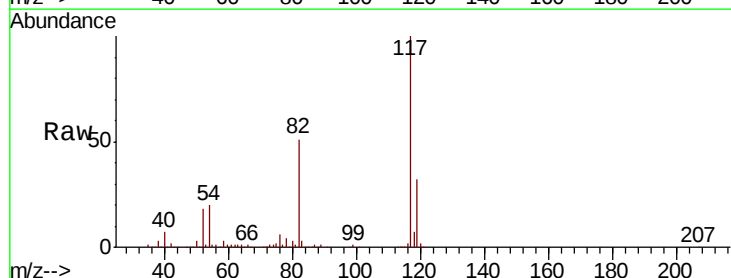
Tgt Ion: 117 Resp: 609431

Ion Ratio Lower Upper

117 100

82 50.8 41.8 62.8

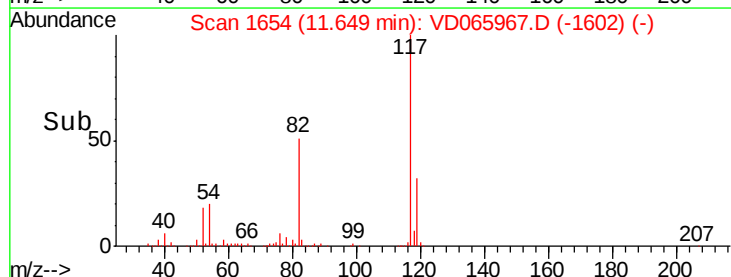
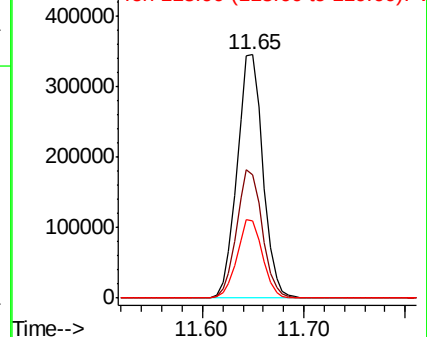
119 31.9 24.3 36.5

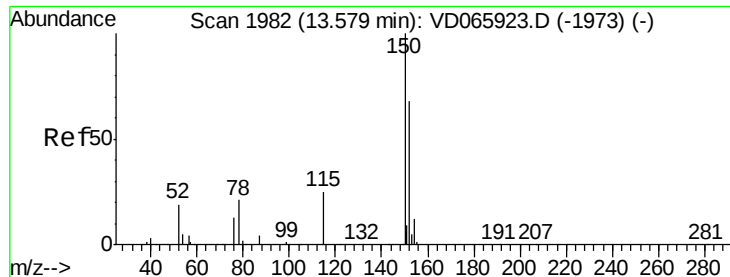


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



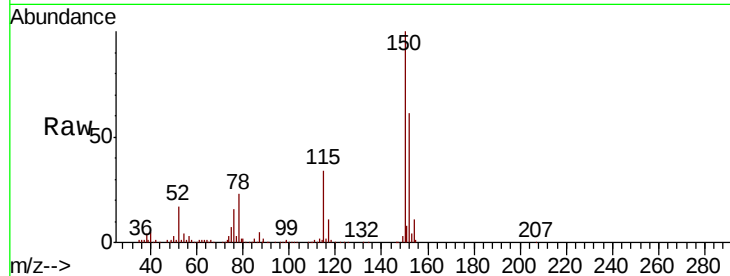


#72

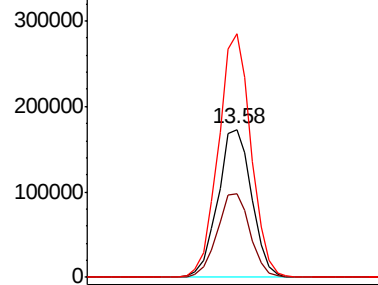
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065967.D
Acq: 16 Jul 2020 19:51

Instrument :
MSVOA_D
ClientSampleId :
7

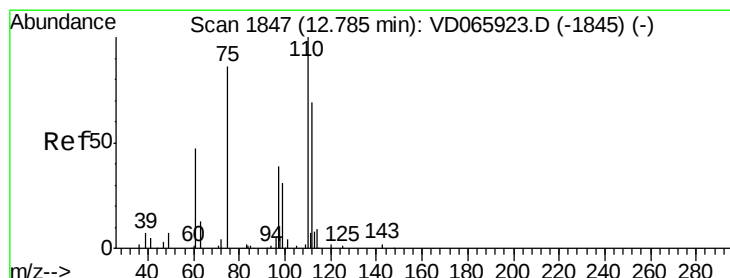
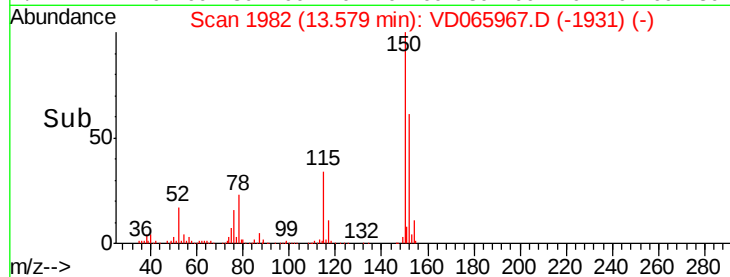
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.3
150	158.9	0.0	347.2



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



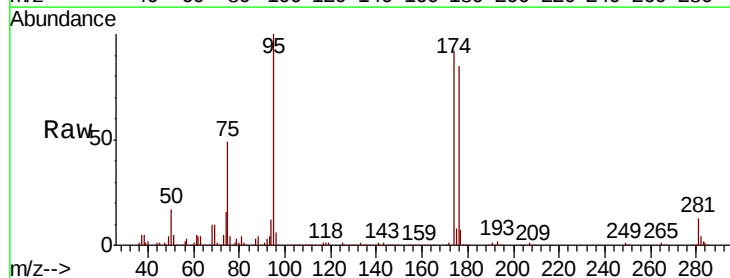
Time-->



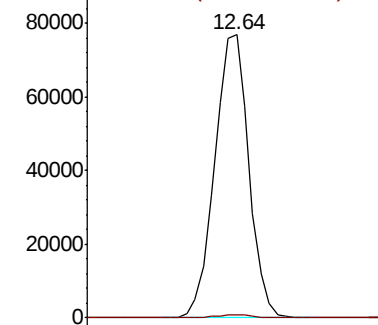
#76

1,2,3-Trichloropropane
Concen: 53.406 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065967.D
Acq: 16 Jul 2020 19:51

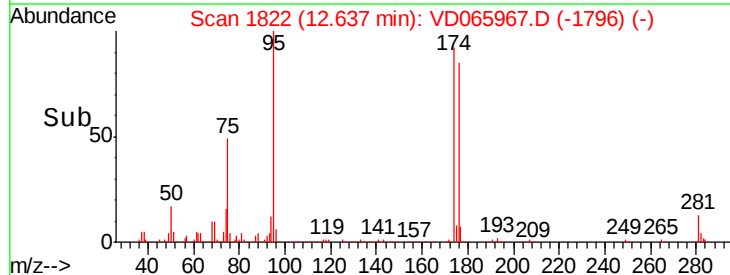
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

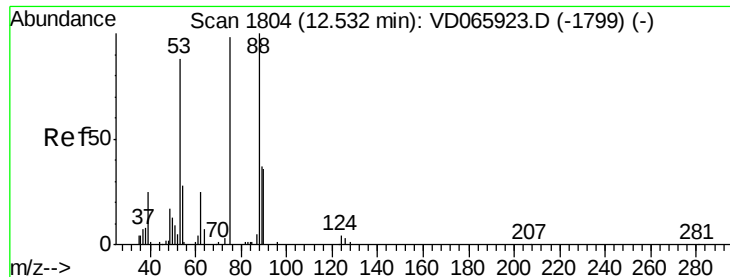


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 114.753 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065967.D

Acq: 16 Jul 2020 19:51

Instrument :

MSVOA_D

ClientSampleId :

7

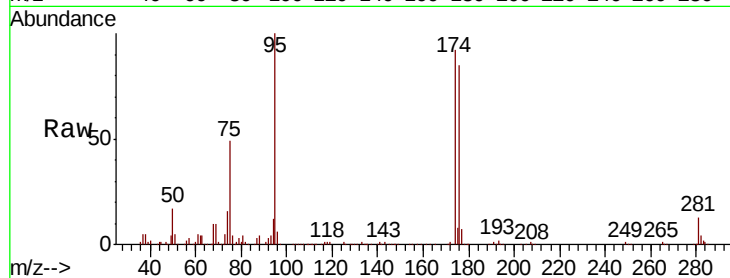
Tot Ion: 75 Resp: 129927

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 37.5 56.3#



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

