

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065963.D
 Acq On : 16 Jul 2020 18:02
 Operator : VA/SY
 Sample : L3305-04
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-057-B

Quant Time: Jul 17 03:39:54 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

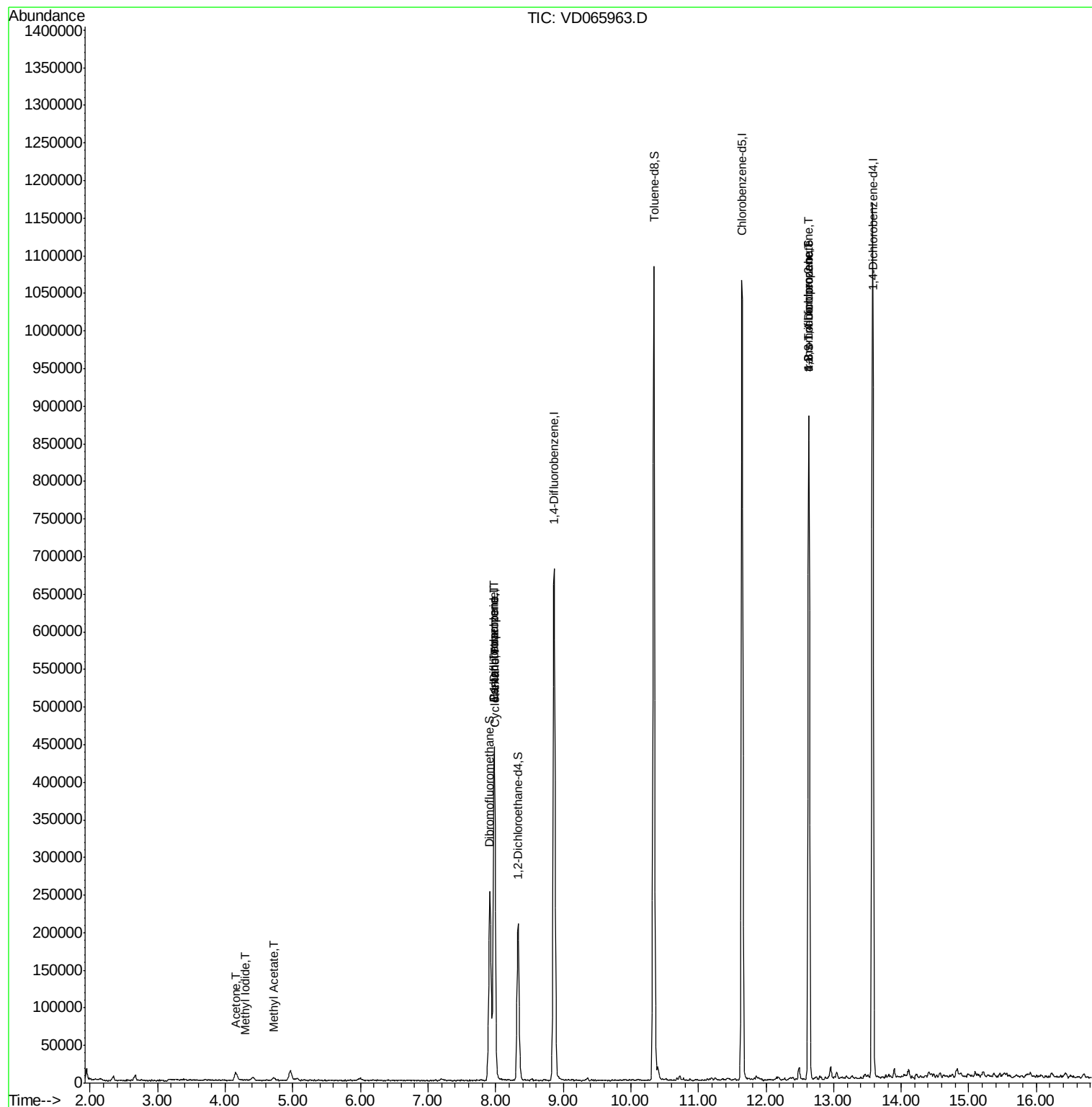
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	362360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	619560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	640528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	164073	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
35) Dibromofluoromethane	7.91	113	187145	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
50) Toluene-d8	10.34	98	752182	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.63	95	291661	60.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.80%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.30	142	700	2.681	ug/l #	83
11) Tert butyl alcohol	5.21	59	61	Below Cal	#	71
16) Acetone	4.16	43	20356	27.047	ug/l #	81
18) Methyl Acetate	4.71	43	7140	4.047	ug/l	96
20) Methylene Chloride	4.96	84	10298	Below Cal	#	82
31) Cyclohexane	7.99	56	6912	1.053	ug/l #	5
36) 1,1-Dichloropropene	7.98	75	23845	3.897	ug/l #	49
38) Carbon Tetrachloride	7.99	117	33494	5.107	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	142086	51.976	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	142086	111.681	ug/l #	11

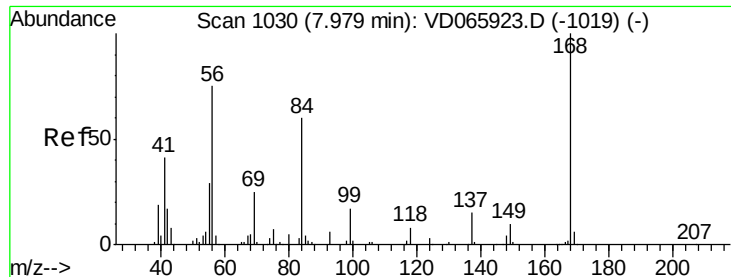
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065963.D

Acq: 16 Jul 2020 18:02

Instrument :

MSVOA_D

ClientSampleId :

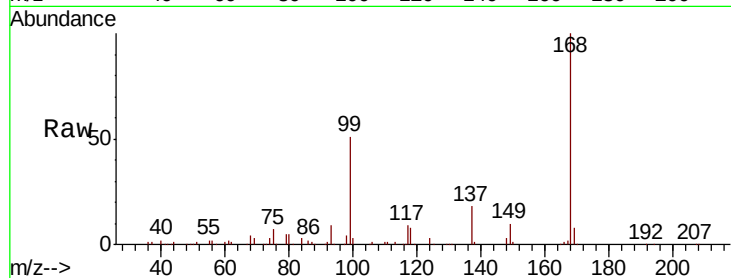
FK-GF-02-057-B

Tot Ion:168 Resp: 362360

Ion Ratio Lower Upper

168 100

99 50.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

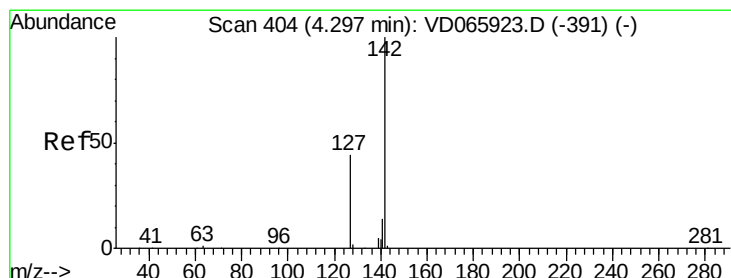
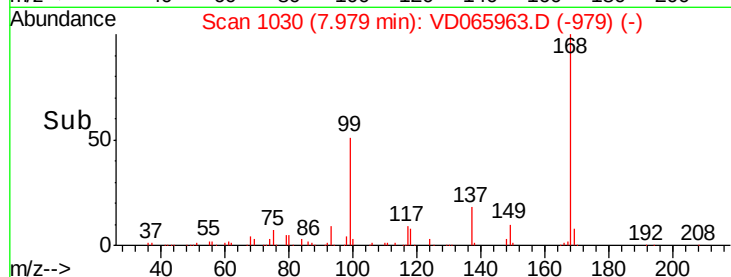
100000

50000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.681 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

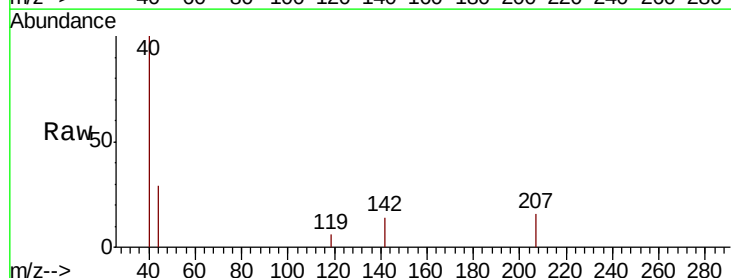
Tgt Ion:142 Resp: 700

Ion Ratio Lower Upper

142 100

127 36.4 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

4.30

500

400

300

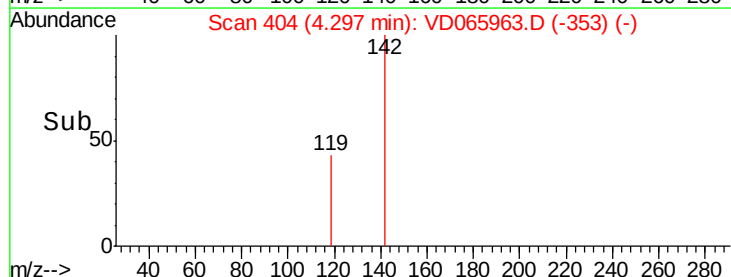
200

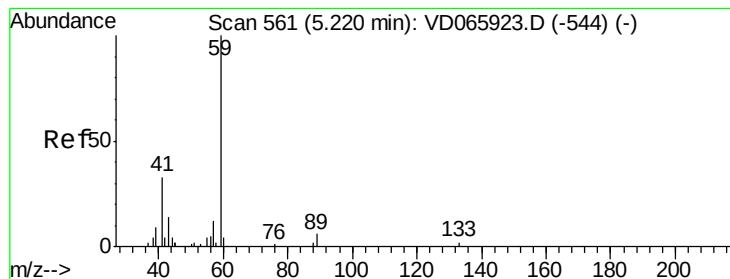
100

0

Time-->

4.25 4.30 4.35



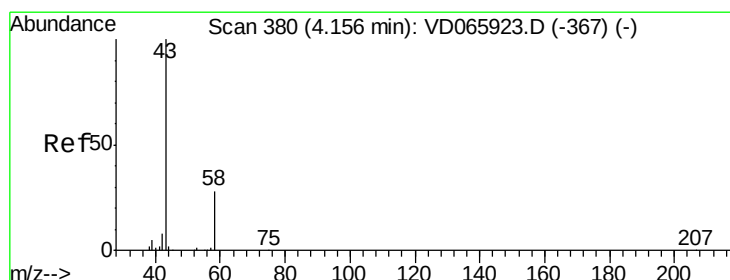
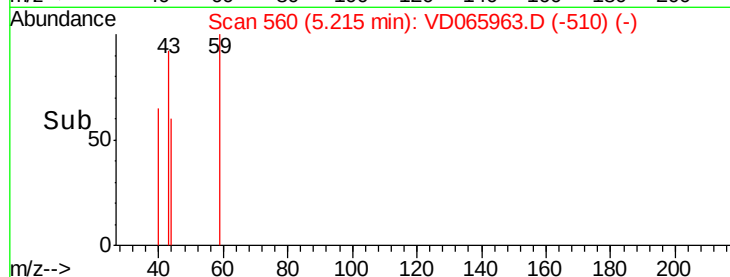
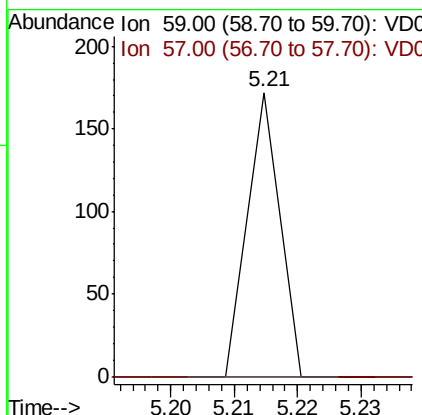
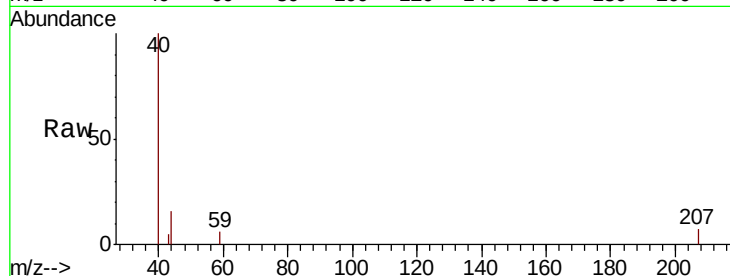


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD065963.D
 Acq: 16 Jul 2020 18:02

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-057-B

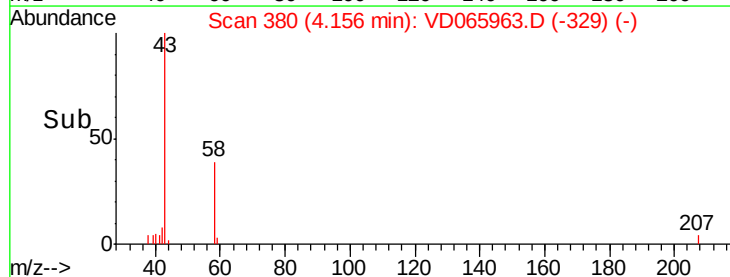
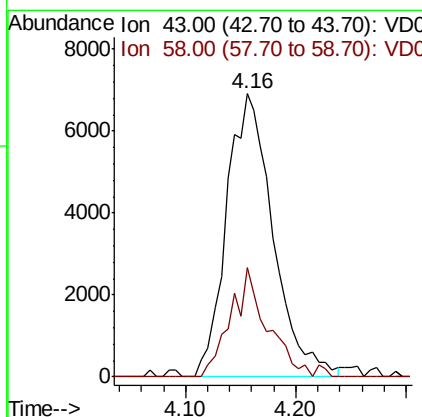
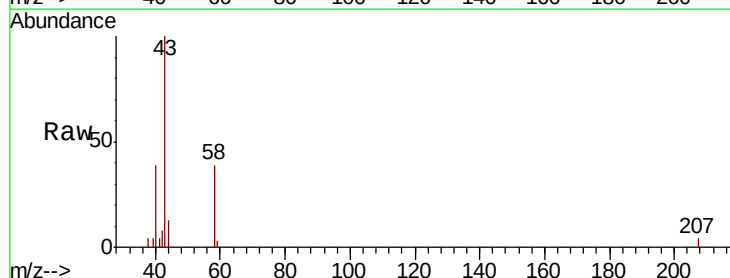
Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

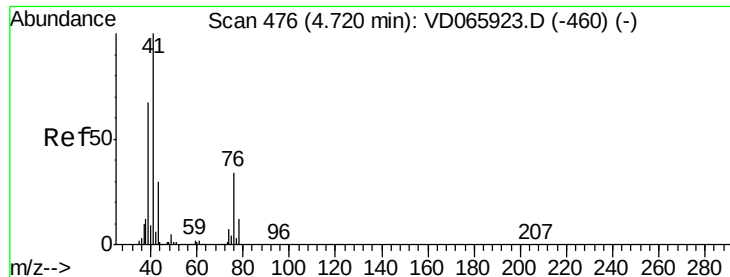


#16

Acetone
 Concen: 27.047 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD065963.D
 Acq: 16 Jul 2020 18:02

Tgt Ion: 43 Resp: 20356
 Ion Ratio Lower Upper
 43 100
 58 38.7 22.7 34.1#

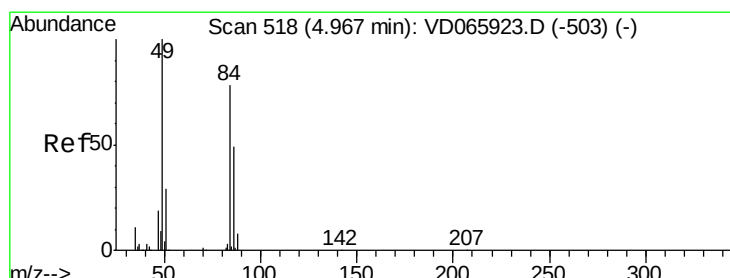
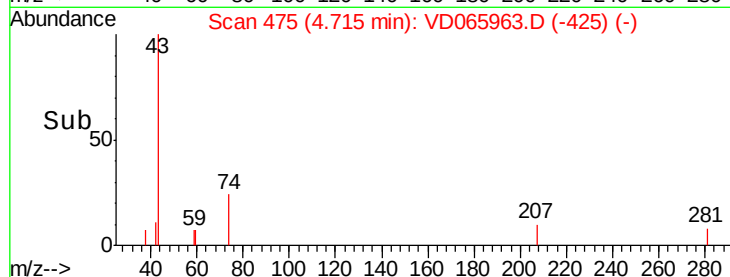
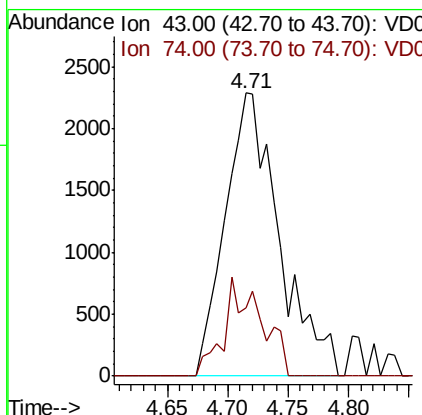
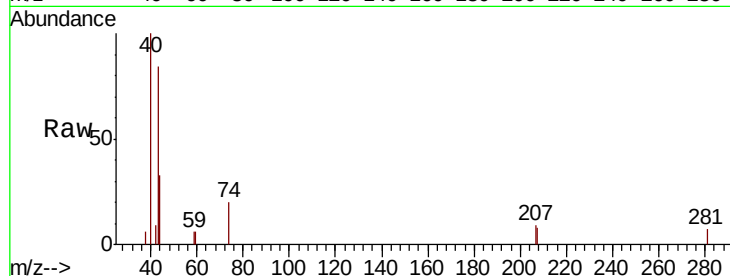




#18
Methyl Acetate
Concen: 4.047 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065963.D
Acq: 16 Jul 2020 18:02

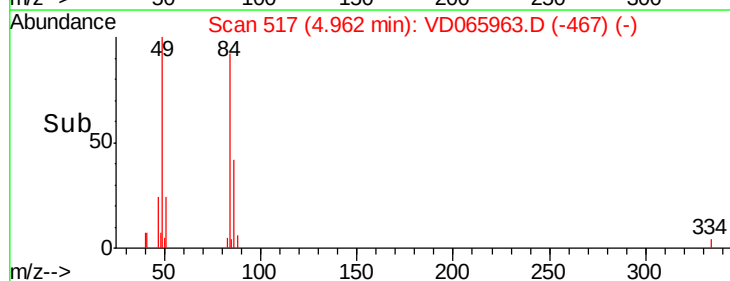
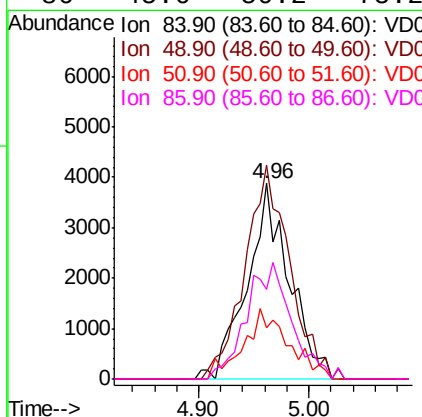
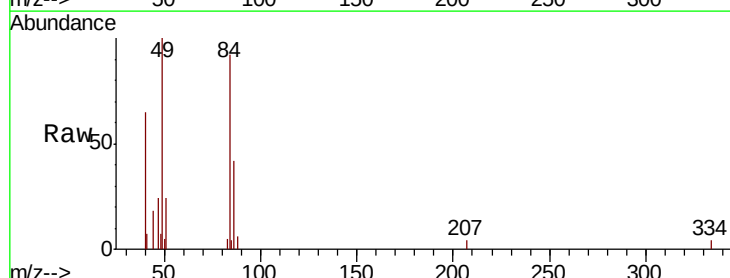
Instrument :
MSVOA_D
ClientSampleID :
FK-GF-02-057-B

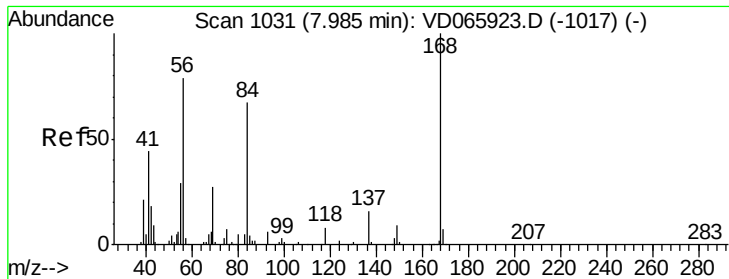
Tot Ion: 43 Resp: 7140
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065963.D
Acq: 16 Jul 2020 18:02

Tgt Ion: 84 Resp: 10298
Ion Ratio Lower Upper
84 100
49 109.1 102.2 153.2
51 26.1 29.8 44.6#
86 45.6 50.2 75.2#

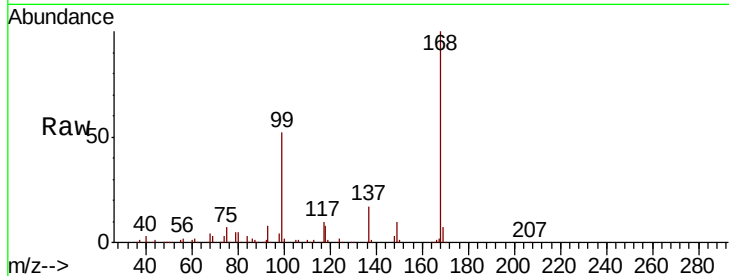




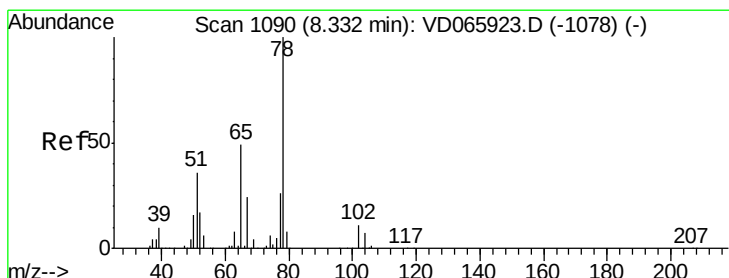
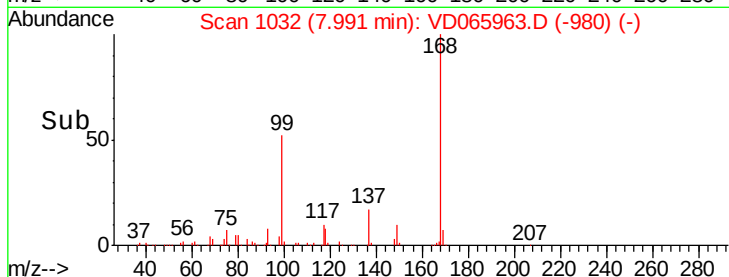
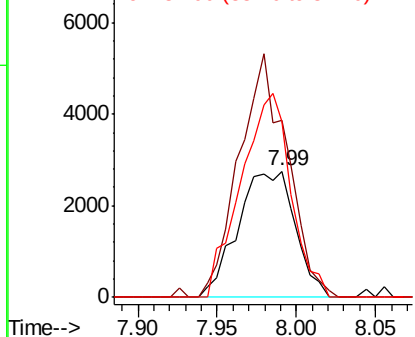
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065963.D
Acq: 16 Jul 2020 18:02

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-057-B

Tot Ion: 56 Resp: 6912
Ion Ratio Lower Upper
56 100
69 140.5 27.4 41.0#
84 139.4 68.6 102.8#

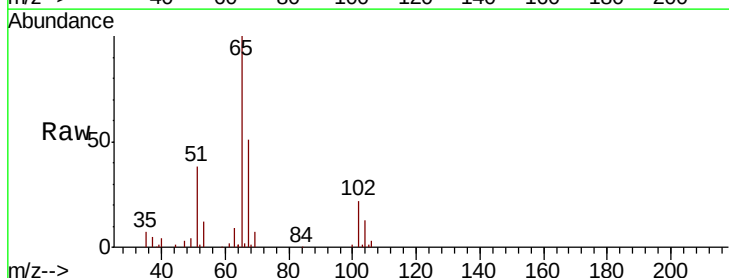


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

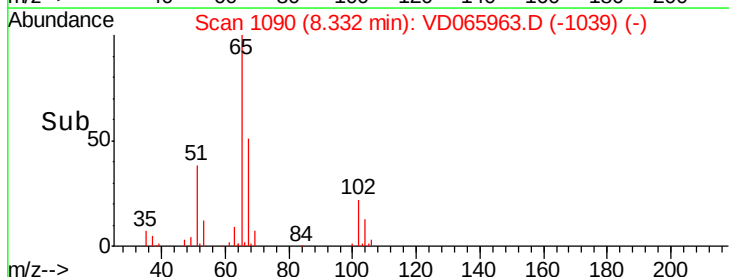
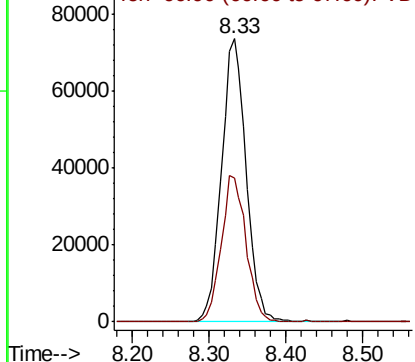


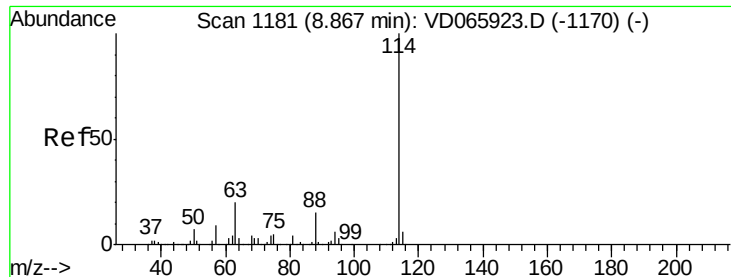
#33
1,2-Dichloroethane-d4
Concen: 51.092 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065963.D
Acq: 16 Jul 2020 18:02

Tgt Ion: 65 Resp: 164073
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.6



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: VD065963.D

Acq: 16 Jul 2020 18:02

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-057-B

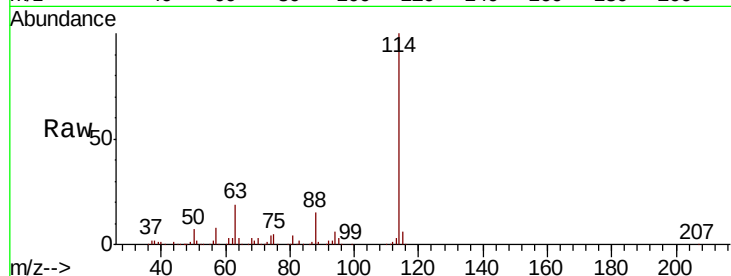
Tot Ion:114 Resp: 619560

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

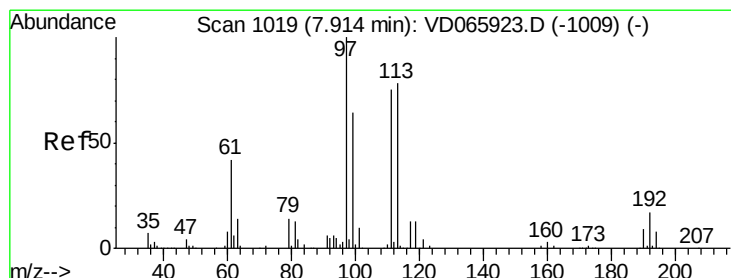
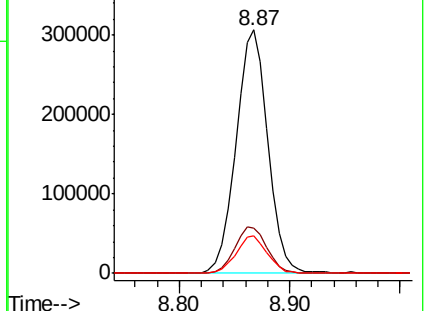
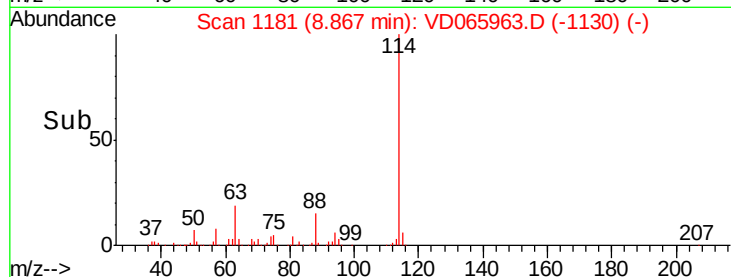
88 15.2 0.0 30.0



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: 48.965 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

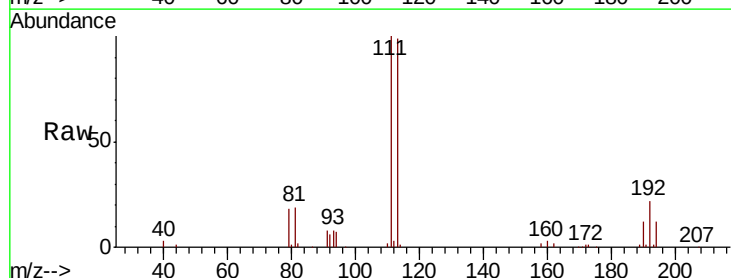
Tgt Ion:113 Resp: 187145

Ion Ratio Lower Upper

113 100

111 101.3 80.9 121.3

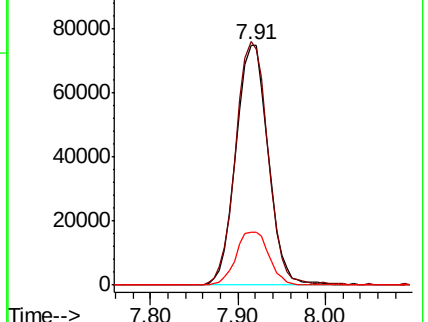
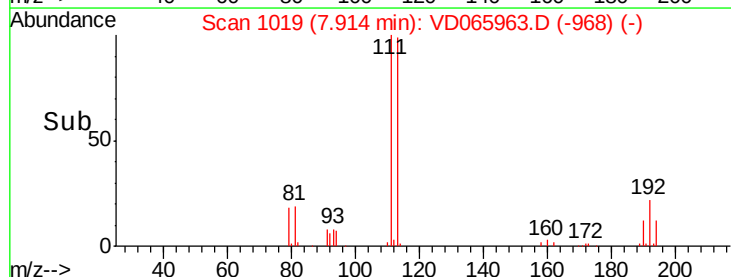
192 22.6 17.1 25.7

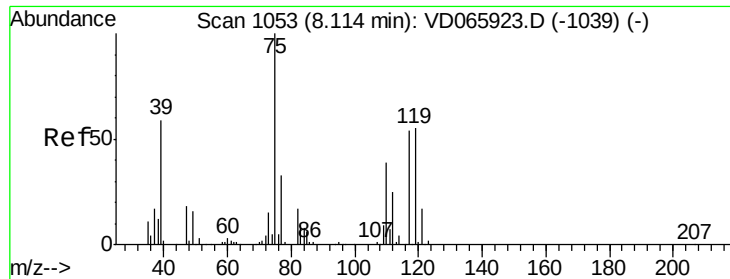


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.897 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-057-B

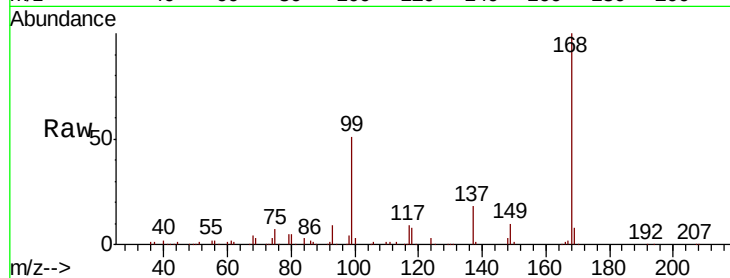
Tot Ion: 75 Resp: 23845

Ion Ratio Lower Upper

75 100

110 10.4 18.5 55.5#

77 0.0 25.6 38.4#

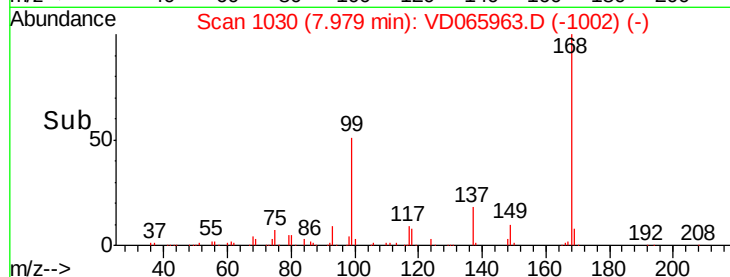


Abundance Ion 74.90 (74.60 to 75.60): VD065923.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD065923.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD065923.D (-1039) (-)

Time-->

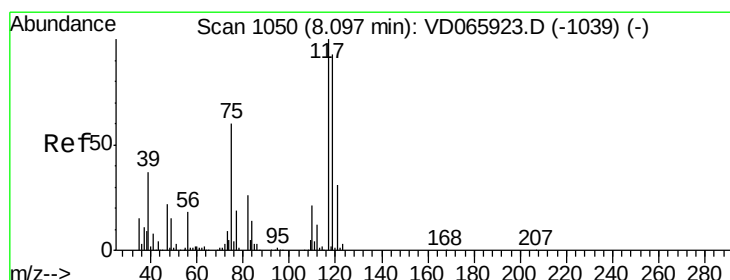


Abundance Ion 74.90 (74.60 to 75.60): VD065963.D (-1002) (-)

Ion 109.90 (109.60 to 110.60): VD065963.D (-1002) (-)

Ion 76.90 (76.60 to 77.60): VD065963.D (-1002) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.107 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

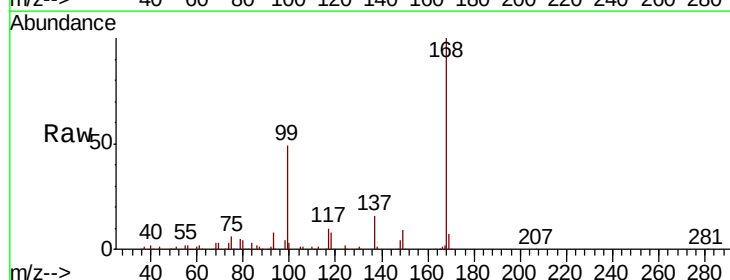
Tgt Ion: 117 Resp: 33494

Ion Ratio Lower Upper

117 100

119 3.7 74.7 112.1#

121 0.0 24.9 37.3#

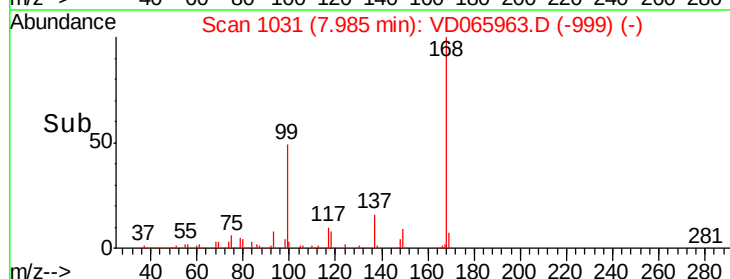


Abundance Ion 116.80 (116.50 to 117.50): VD065923.D (-1039) (-)

Ion 118.80 (118.50 to 119.50): VD065923.D (-1039) (-)

Ion 120.80 (120.50 to 121.50): VD065923.D (-1039) (-)

Time-->

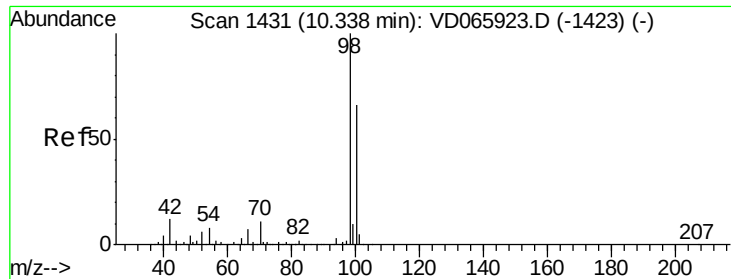


Abundance Ion 116.80 (116.50 to 117.50): VD065963.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD065963.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD065963.D (-999) (-)

Time-->



#50

Toluene-d8

Concen: 53.939 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

Instrument :

MSVOA_D

ClientSampleId :

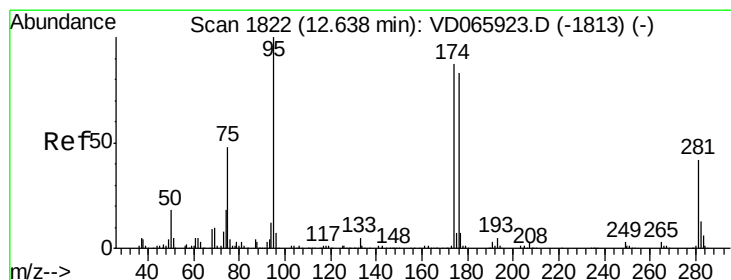
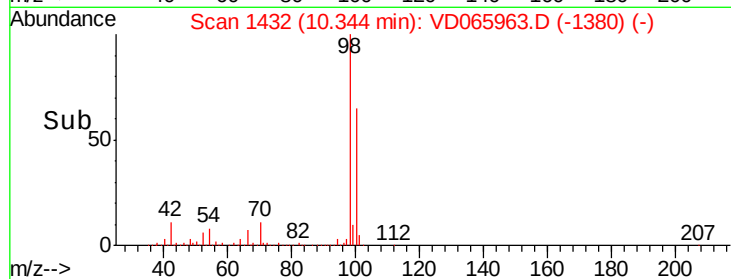
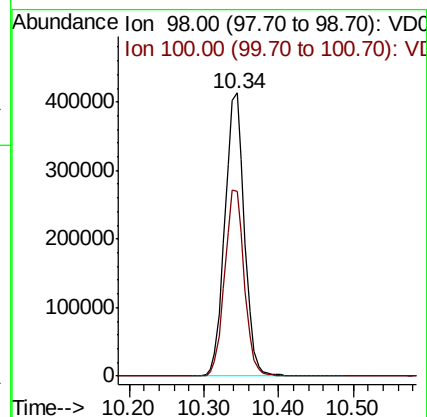
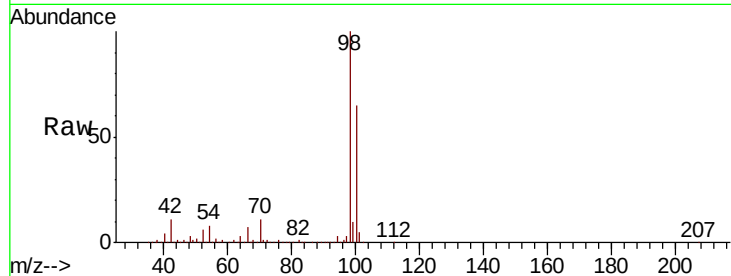
FK-GF-02-057-B

Tot Ion: 98 Resp: 752182

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 60.905 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

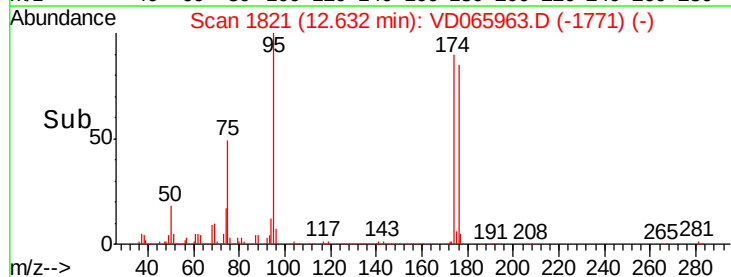
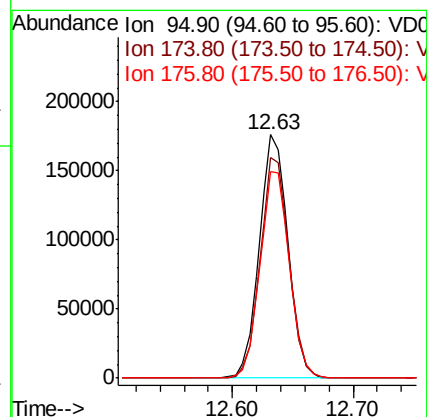
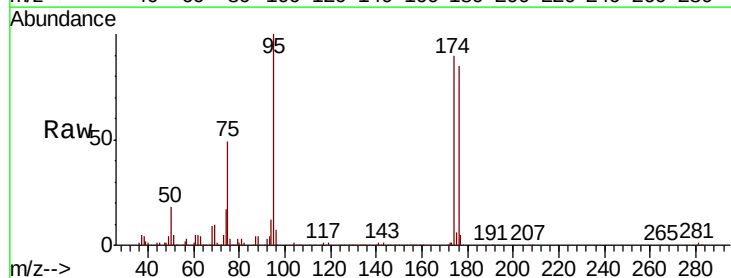
Tgt Ion: 95 Resp: 291661

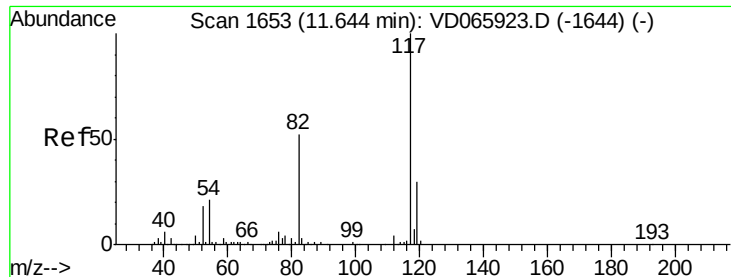
Ion Ratio Lower Upper

95 100

174 91.1 0.0 169.4

176 86.9 0.0 164.0

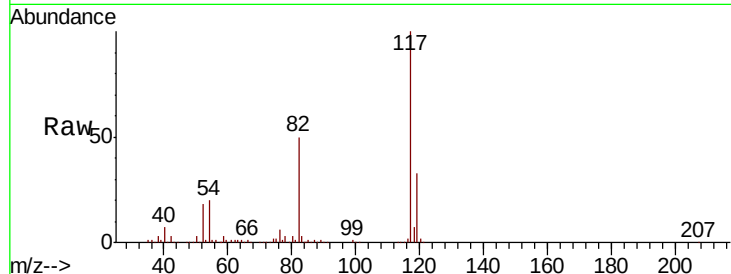




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065963.D
Acq: 16 Jul 2020 18:02

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.8	62.8
119	32.7	24.3	36.5

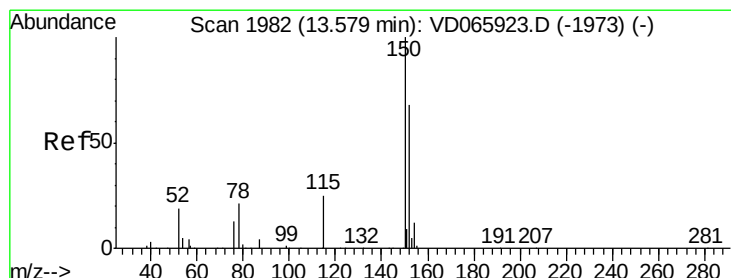
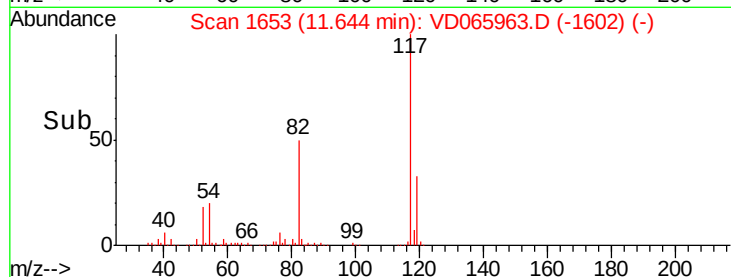
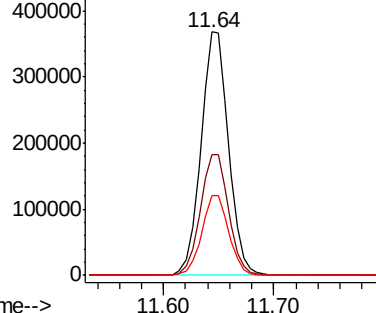


Abundance

Ion 116.90 (116.60 to 117.60): V

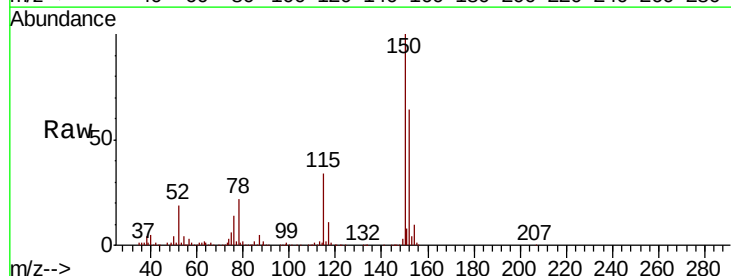
Ion 82.00 (81.70 to 82.70): V

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: VD065963.D
Acq: 16 Jul 2020 18:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.3
150	157.1	0.0	347.2

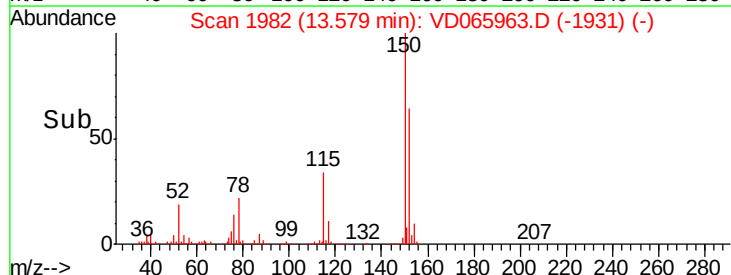
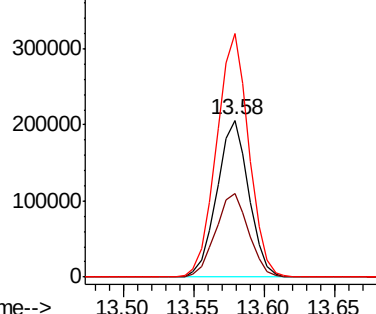


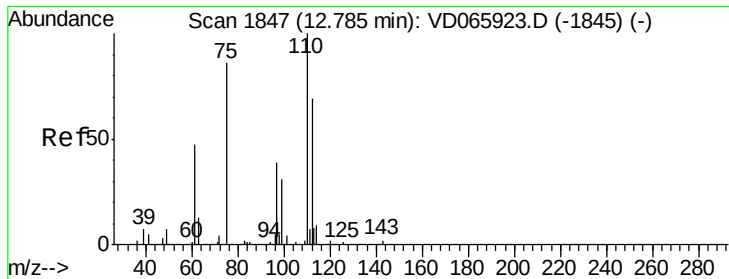
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 51.976 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

Instrument :

MSVOA_D

ClientSampleId :

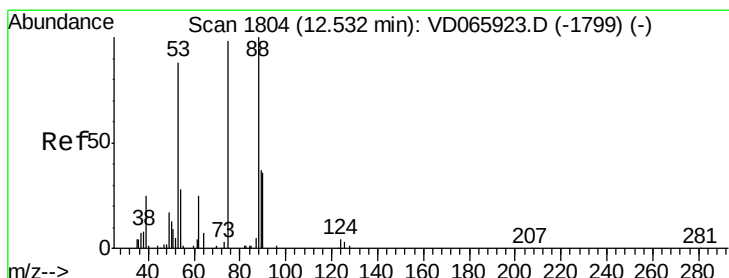
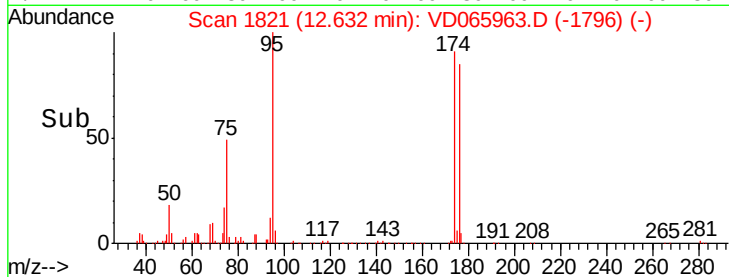
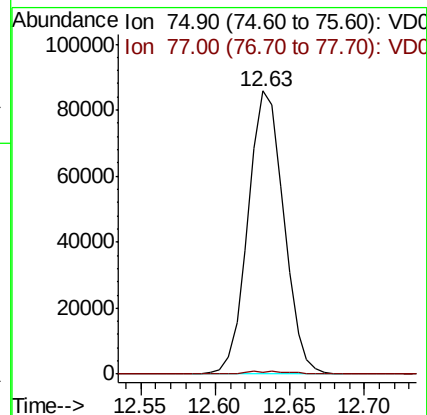
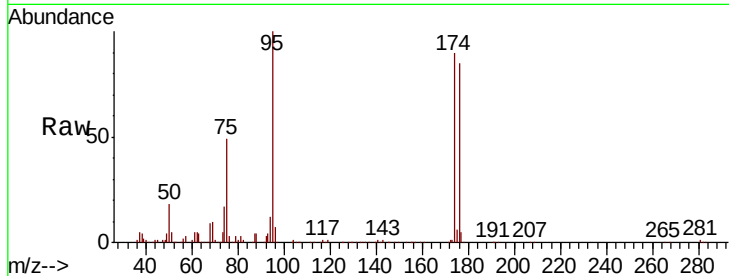
FK-GF-02-057-B

Tot Ion: 75 Resp: 142086

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.681 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065963.D

Acq: 16 Jul 2020 18:02

Tgt Ion: 75 Resp: 142086

Ion Ratio Lower Upper

75 100

53 0.1 75.8 113.8#

89 0.0 37.5 56.3#

