

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065957.D
 Acq On : 16 Jul 2020 15:17
 Operator : VA/SY
 Sample : L3302-02
 Misc : 8.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-013-A

Quant Time: Jul 17 03:38:48 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	397961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	630960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	628236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308815	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	165527	46.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.86%	
35) Dibromofluoromethane	7.91	113	186146	47.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.64%	
50) Toluene-d8	10.34	98	743037	52.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.63	95	281946	57.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.62%	

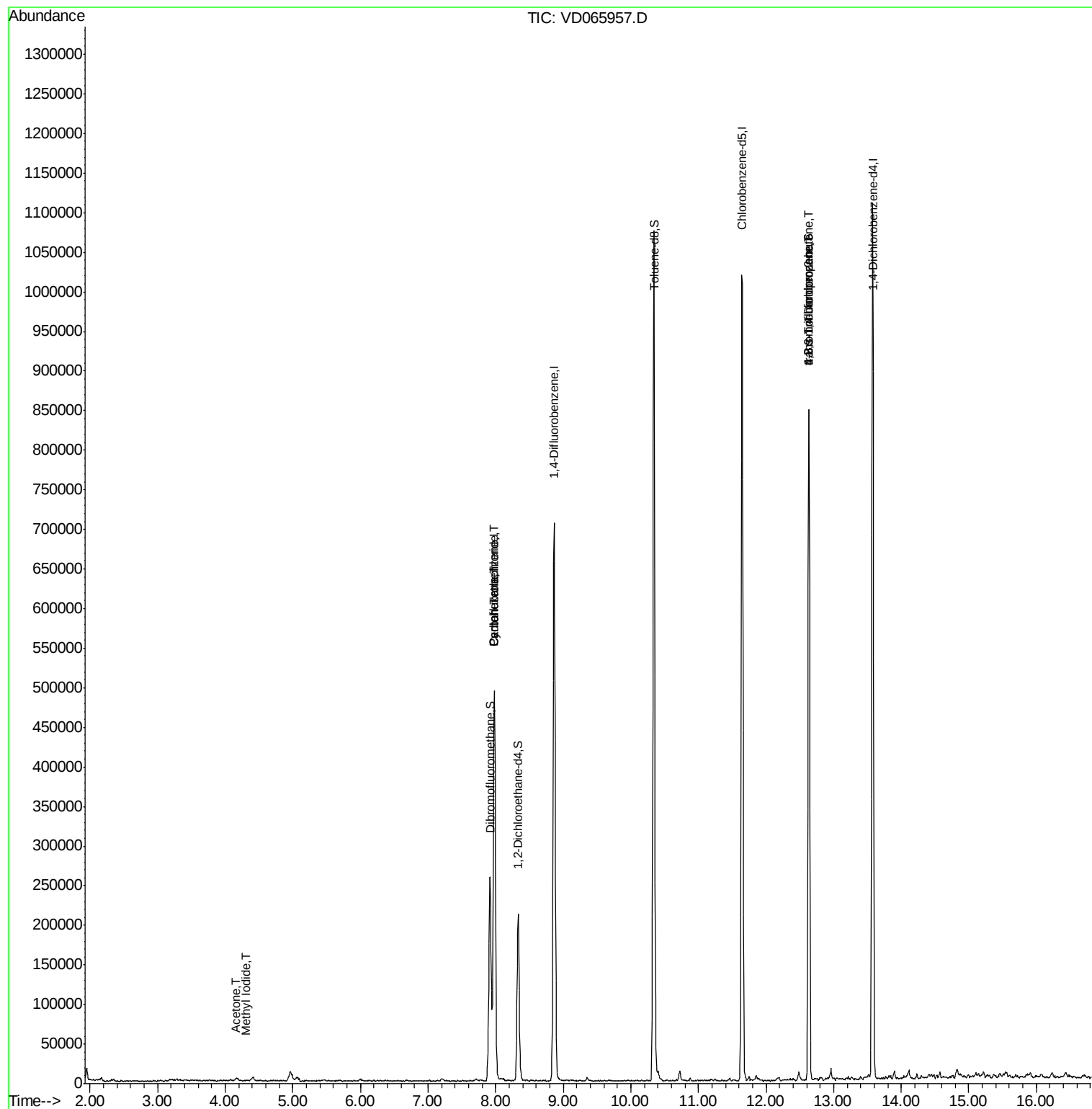
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	413	2.603	ug/l	99
11) Tert butyl alcohol	5.21	59	171	Below Cal	#	71
13) Acrolein	3.94	56	56	Below Cal	#	15
16) Acetone	4.17	43	6117	7.401	ug/l	95
20) Methylene Chloride	4.96	84	9068	Below Cal		87
31) Cyclohexane	7.98	56	7375	1.023	ug/l #	1
38) Carbon Tetrachloride	7.98	117	36630	5.484	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	135609	52.348	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	135609	112.480	ug/l #	11

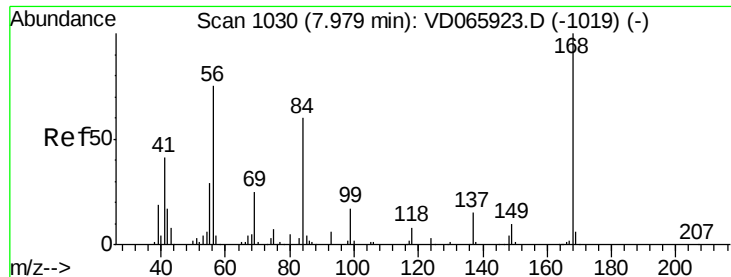
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

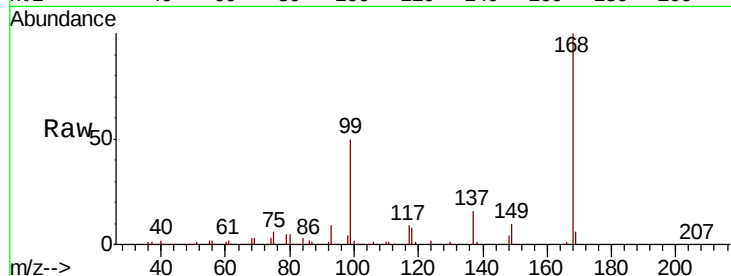
FK-GF-03-013-A

Tot Ion:168 Resp: 397961

Ion Ratio Lower Upper

168 100

99 49.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VD

7.98

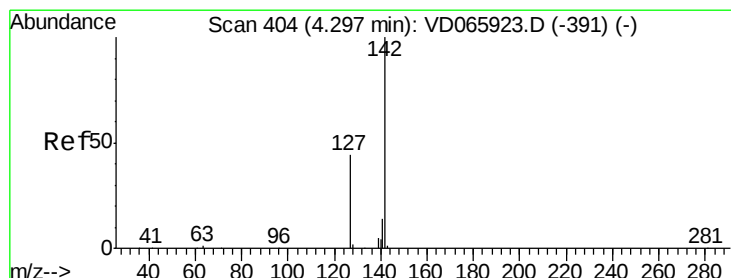
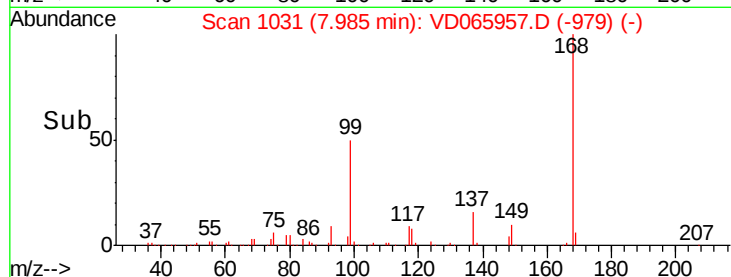
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.603 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

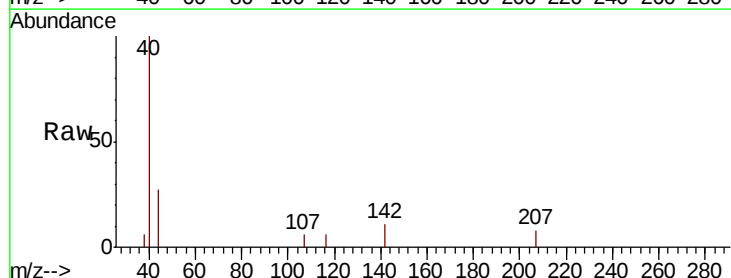
Tgt Ion:142 Resp: 413

Ion Ratio Lower Upper

142 100

127 42.6 34.6 51.8

141 13.6 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

400

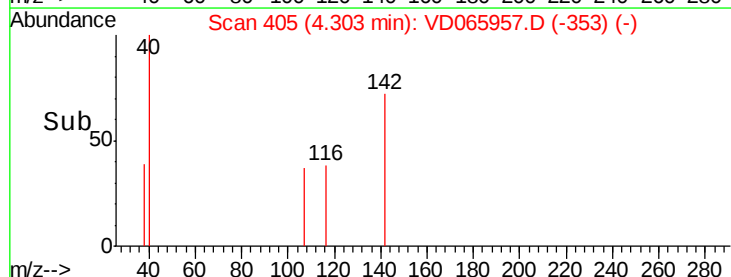
300

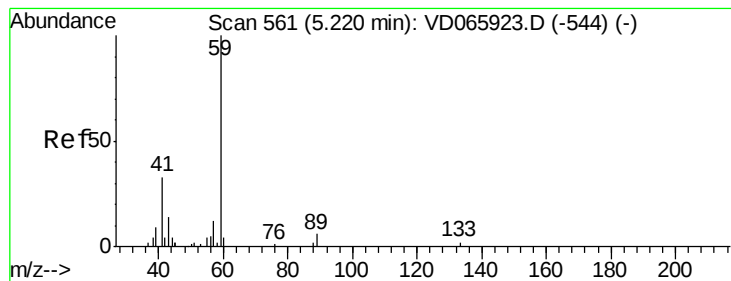
200

100

0

Time-->



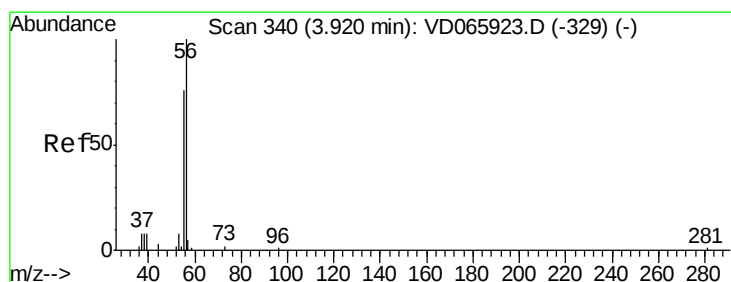
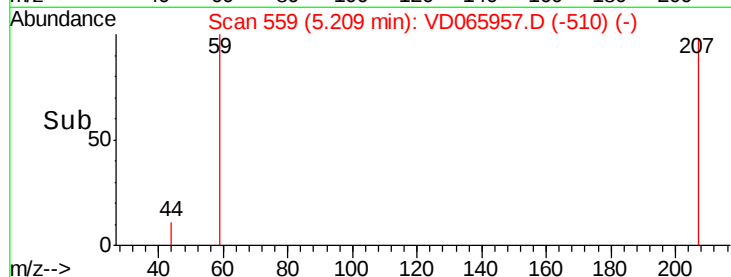
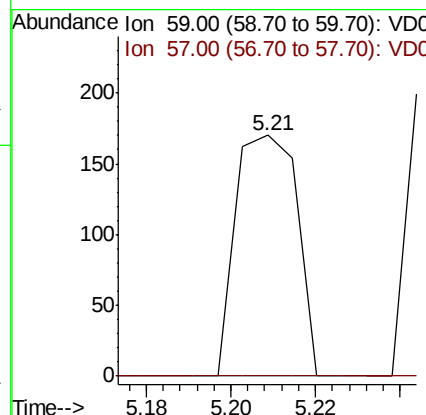
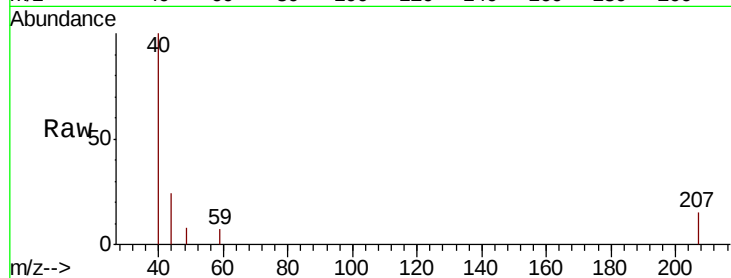


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065957.D
 Acq: 16 Jul 2020 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-013-A

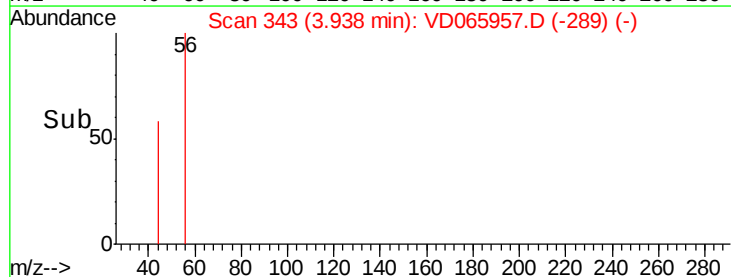
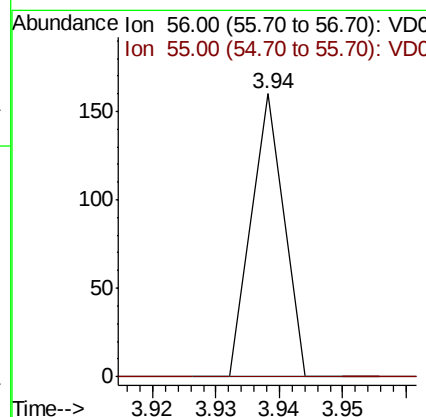
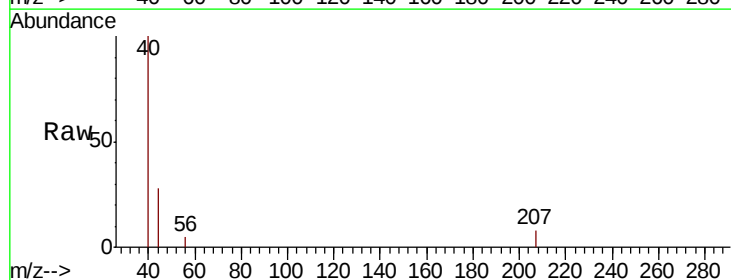
Tot Ion: 59 Resp: 171
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

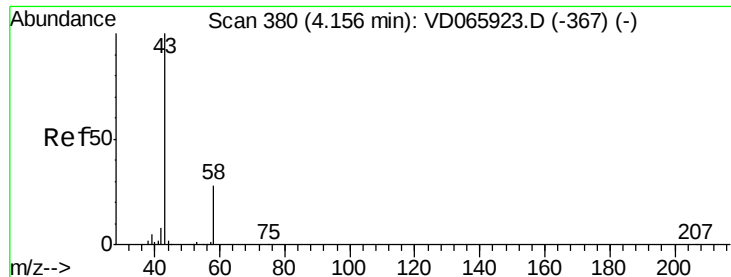


#13

Acrolein
 Concen: Below Cal
 RT: 3.94 min Scan# 343
 Delta R.T. 0.02 min
 Lab File: VD065957.D
 Acq: 16 Jul 2020 15:17

Tgt Ion: 56 Resp: 56
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.0 82.6#





#16

Acetone

Concen: 7.401 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

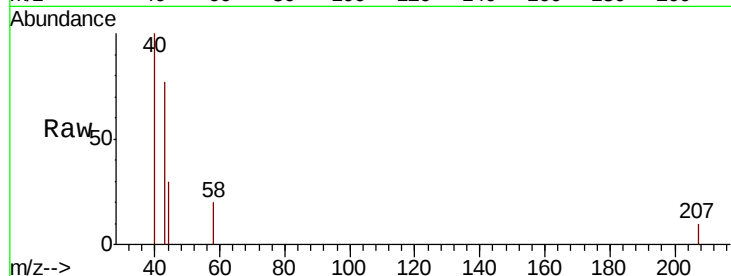
FK-GF-03-013-A

Tot Ion: 43 Resp: 6117

Ion Ratio Lower Upper

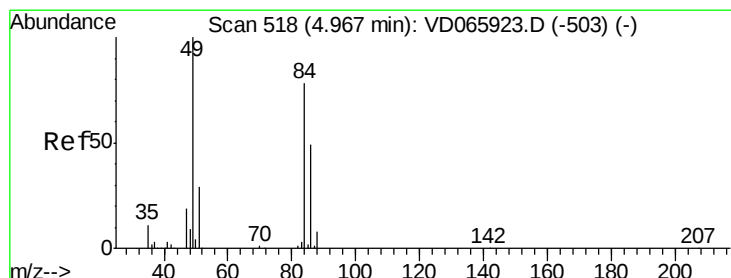
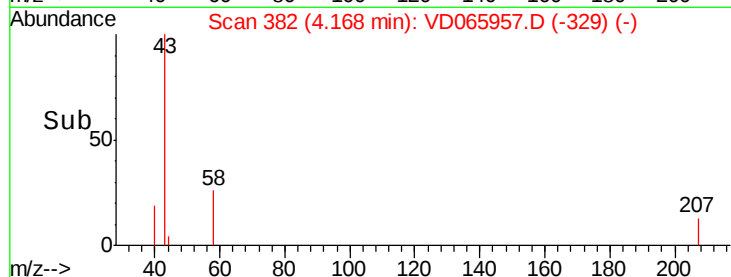
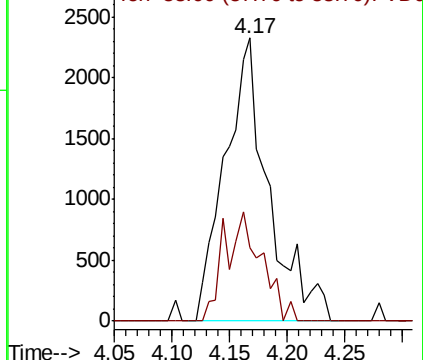
43 100

58 25.9 22.7 34.1



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: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Tgt Ion: 84 Resp: 9068

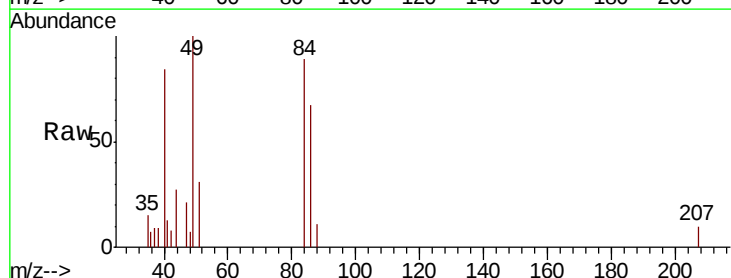
Ion Ratio Lower Upper

84 100

49 112.0 102.2 153.2

51 35.2 29.8 44.6

86 75.2 50.2 75.2

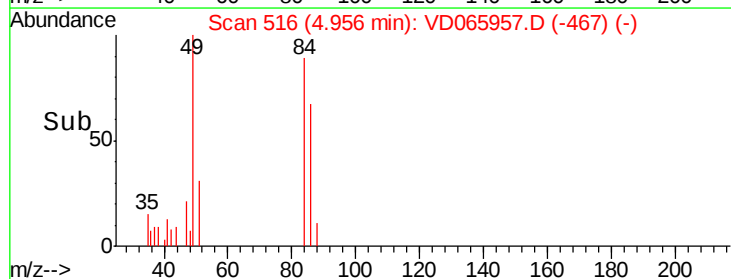
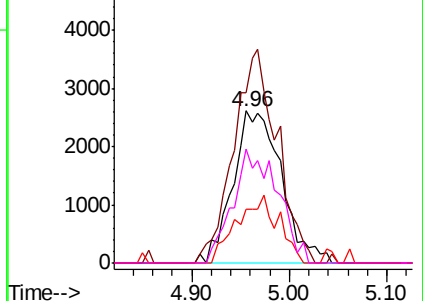


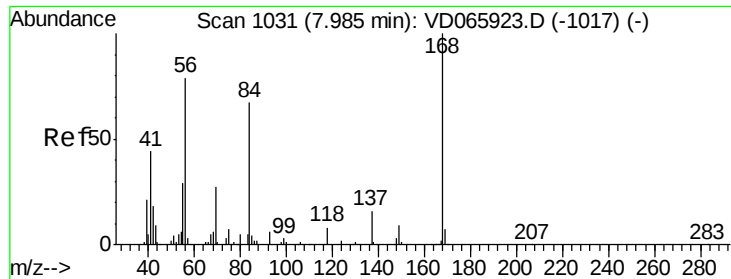
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

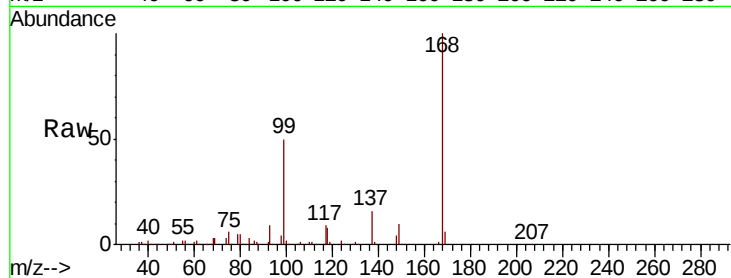




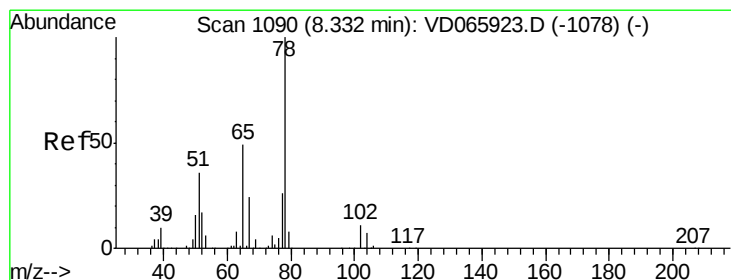
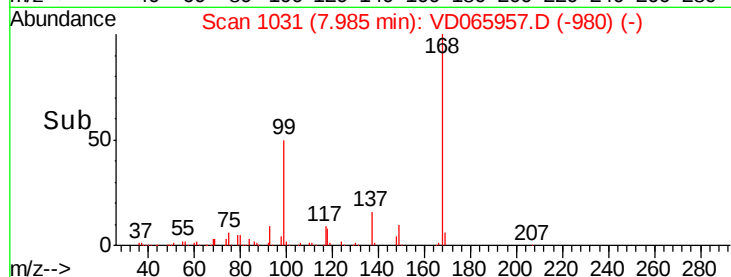
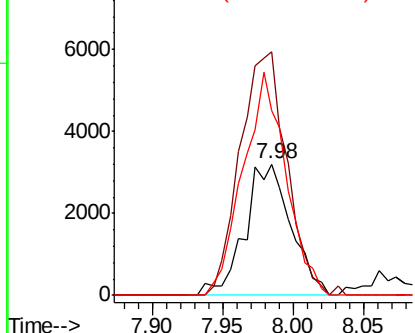
#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065957.D
Acq: 16 Jul 2020 15:17

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-03-013-A

Tot Ion: 56 Resp: 7375
Ion Ratio Lower Upper
56 100
69 185.7 27.4 41.0#
84 140.5 68.6 102.8#

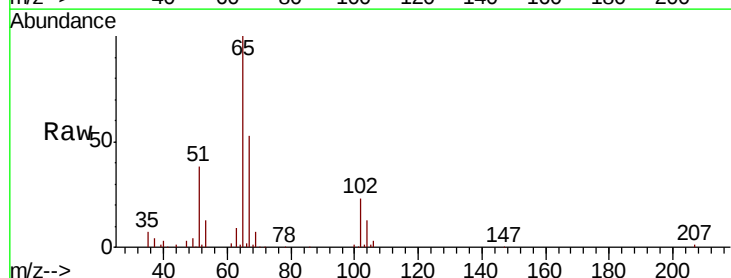


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

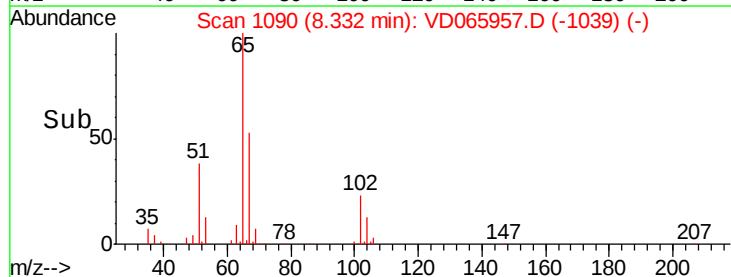
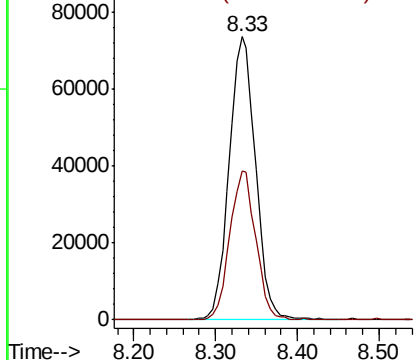


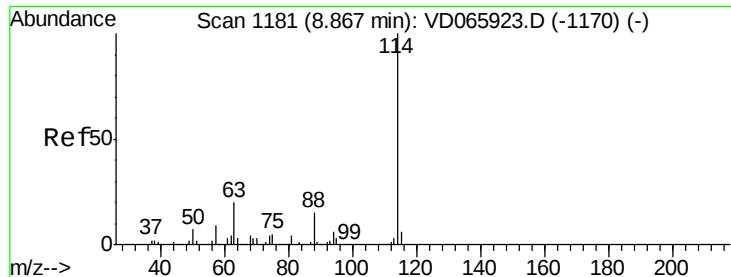
#33
1,2-Dichloroethane-d4
Concen: 46.934 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065957.D
Acq: 16 Jul 2020 15:17

Tgt Ion: 65 Resp: 165527
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6



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

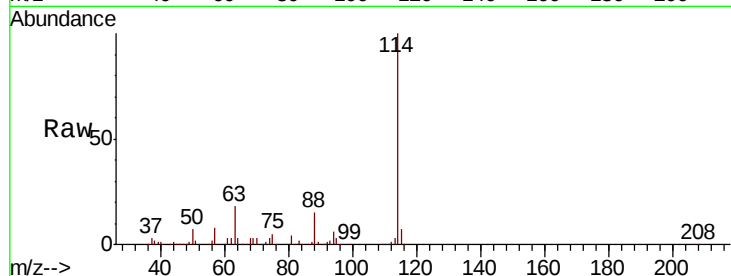




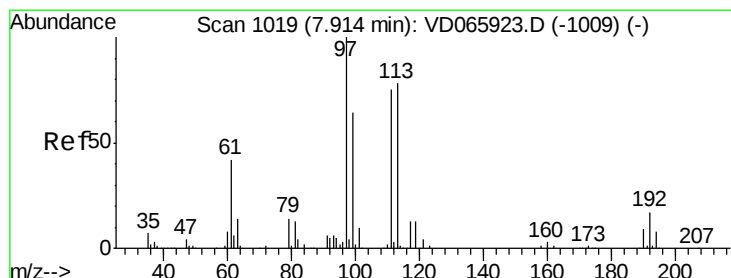
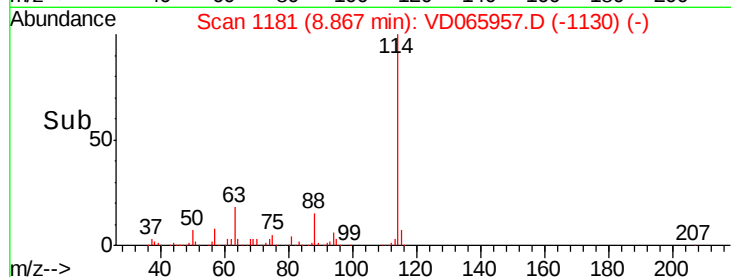
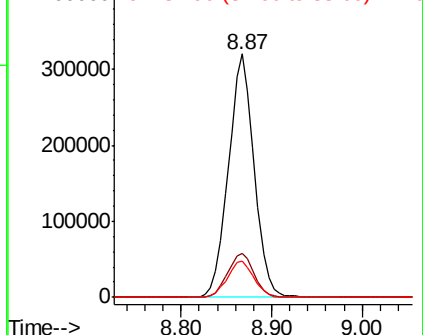
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065957.D
 Acq: 16 Jul 2020 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-03-013-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	39.2
88	14.8	0.0	30.0

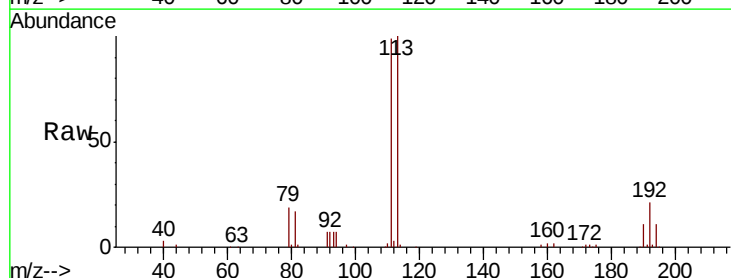


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

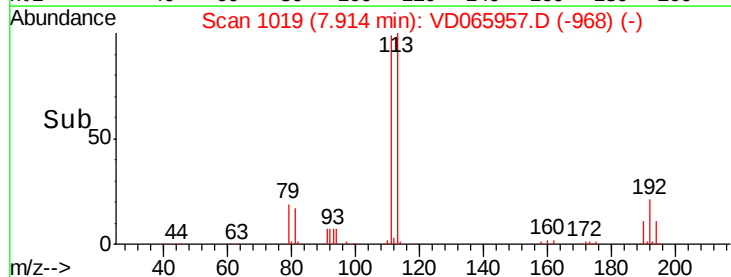
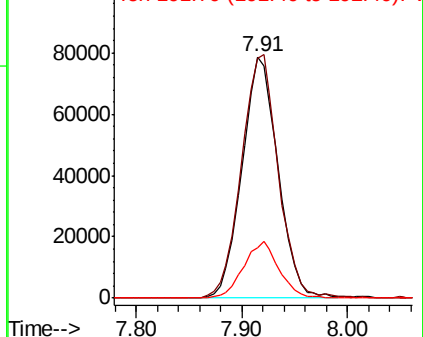


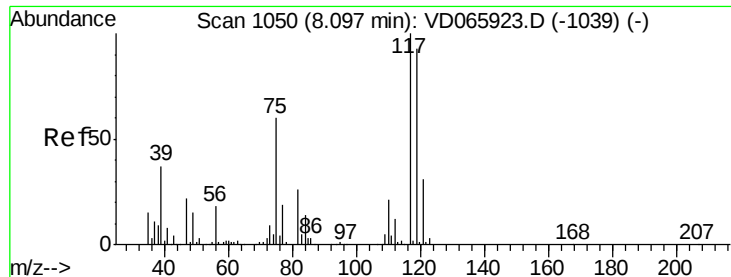
#35
 Dibromofluoromethane
 Concen: 47.824 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD065957.D
 Acq: 16 Jul 2020 15:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.9	121.3
192	23.0	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





#38

Carbon Tetrachloride

Concen: 5.484 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-013-A

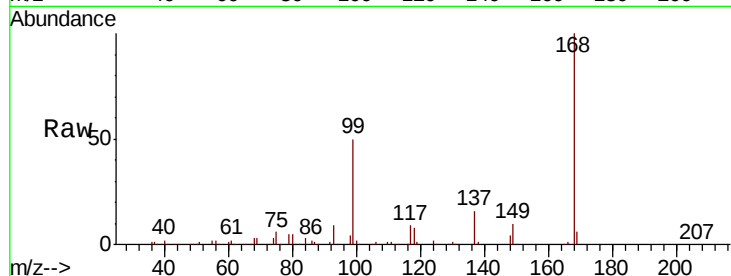
Tot Ion:117 Resp: 36630

Ion Ratio Lower Upper

117 100

119 5.5 74.7 112.1#

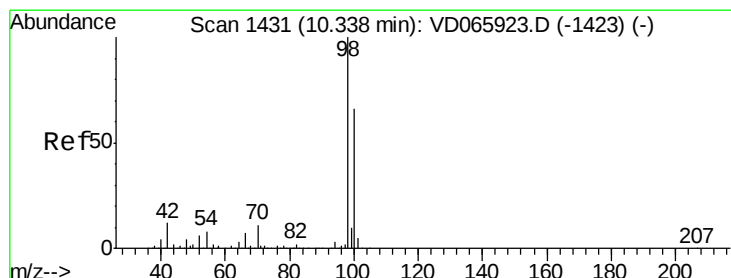
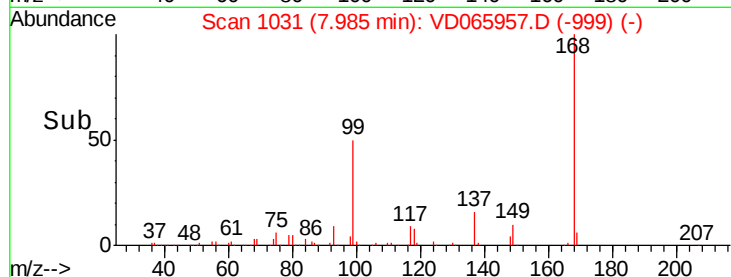
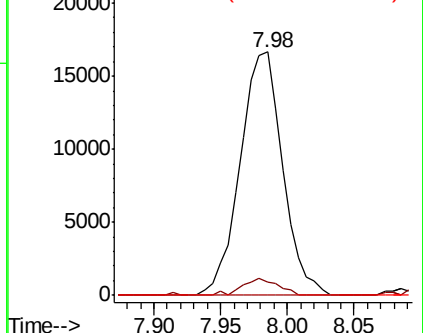
121 0.0 24.9 37.3#



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: 52.320 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065957.D

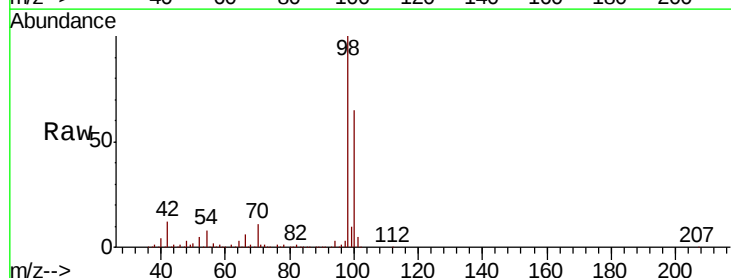
Acq: 16 Jul 2020 15:17

Tgt Ion: 98 Resp: 743037

Ion Ratio Lower Upper

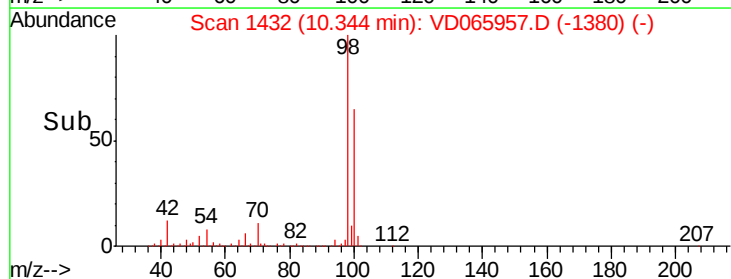
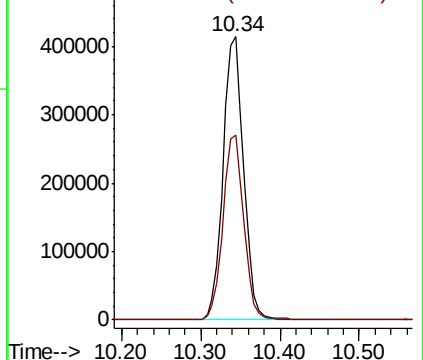
98 100

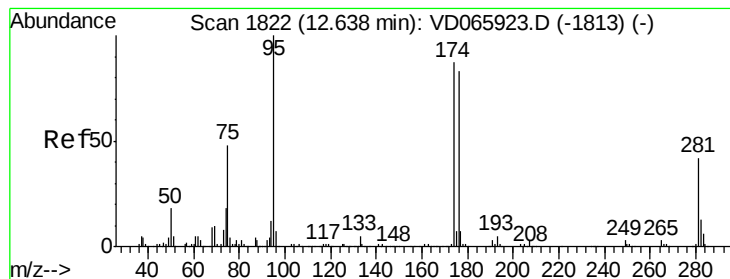
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 57.812 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-013-A

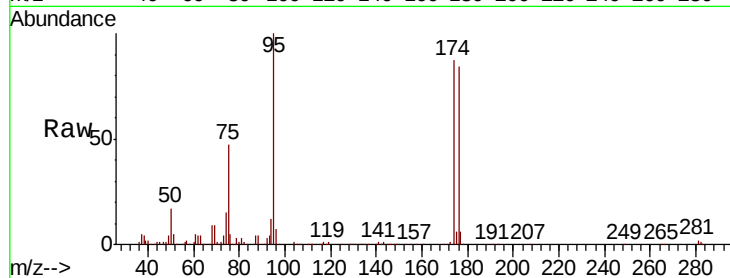
Tot Ion: 95 Resp: 281946

Ion Ratio Lower Upper

95 100

174 90.0 0.0 169.4

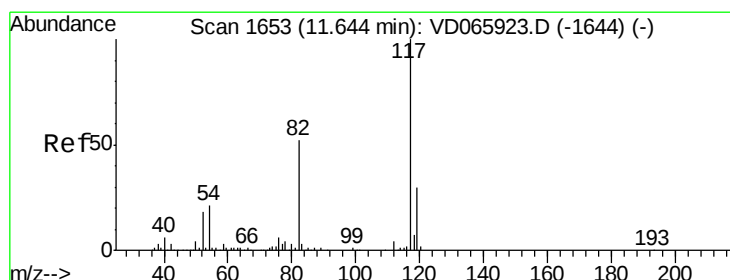
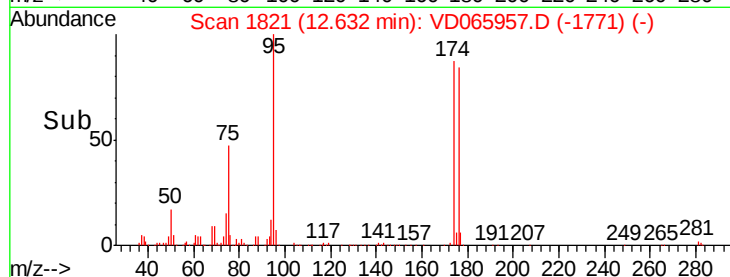
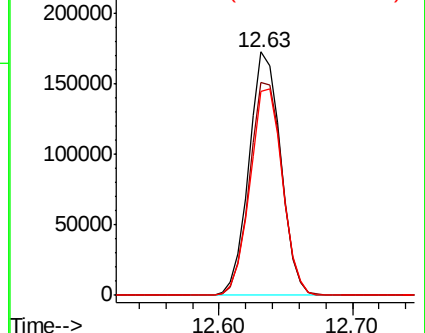
176 86.7 0.0 164.0



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

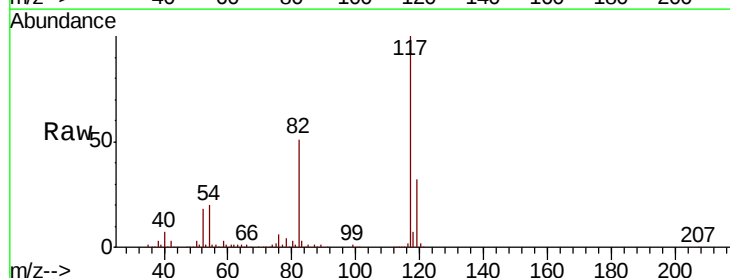
Tgt Ion: 117 Resp: 628236

Ion Ratio Lower Upper

117 100

82 50.8 41.8 62.8

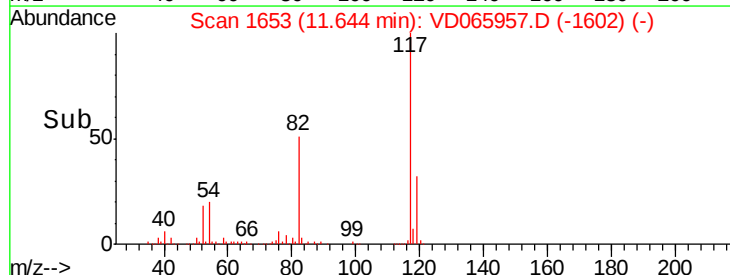
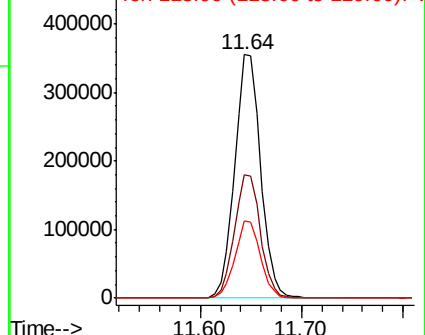
119 31.7 24.3 36.5

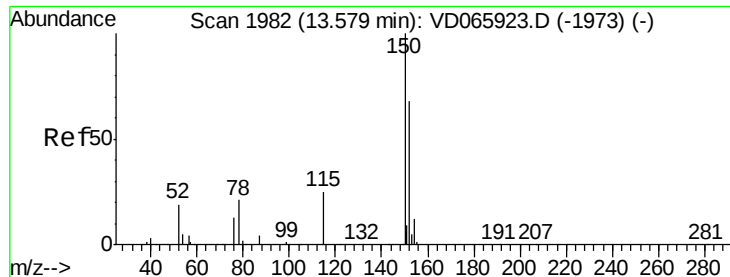


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-013-A

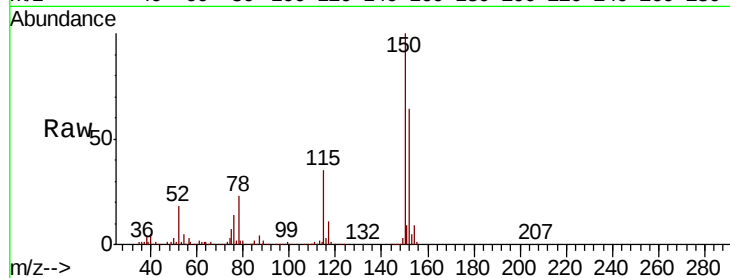
Tot Ion:152 Resp: 308815

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.3

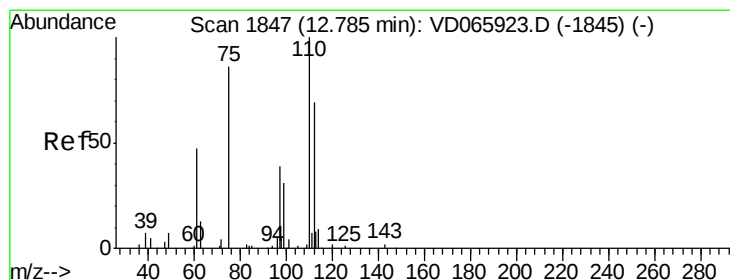
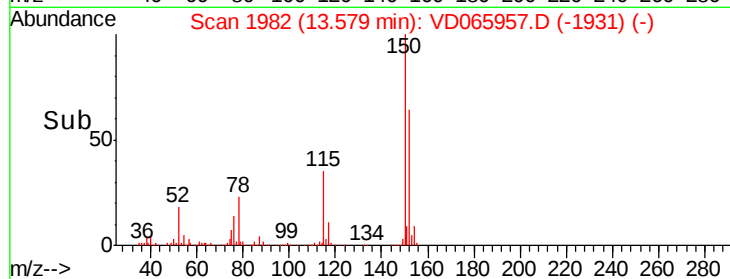
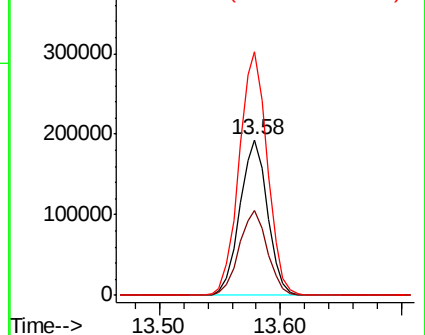
150 159.5 0.0 347.2



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: 52.348 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD065957.D

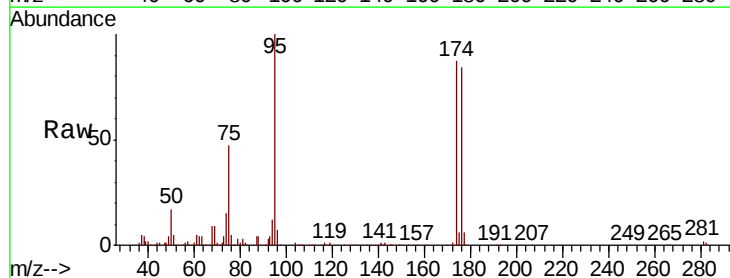
Acq: 16 Jul 2020 15:17

Tgt Ion: 75 Resp: 135609

Ion Ratio Lower Upper

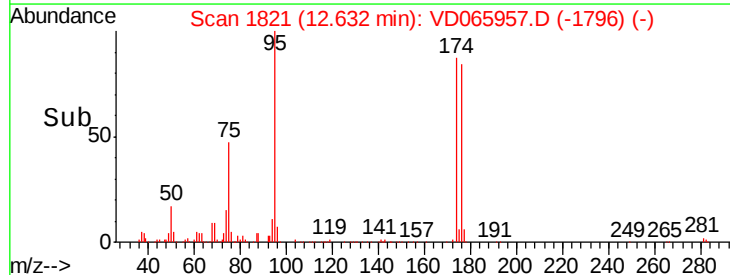
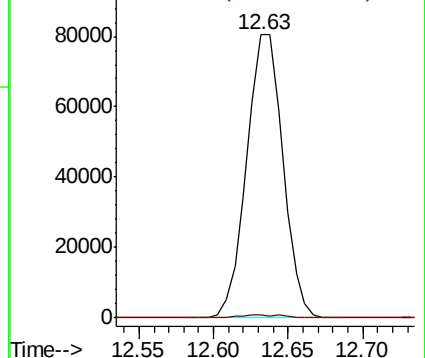
75 100

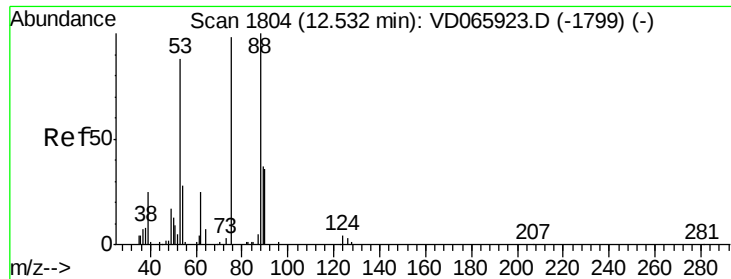
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.480 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065957.D

Acq: 16 Jul 2020 15:17

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-03-013-A

Tot Ion: 75 Resp: 135609

Ion Ratio Lower Upper

75 100

53 0.1 75.8 113.8#

89 0.0 37.5 56.3#

