

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080720\
 Data File : VD066156.D
 Acq On : 07 Aug 2020 14:30
 Operator : VA/SY
 Sample : L3574-04
 Misc : 7.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-060-B

Quant Time: Aug 08 00:39:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

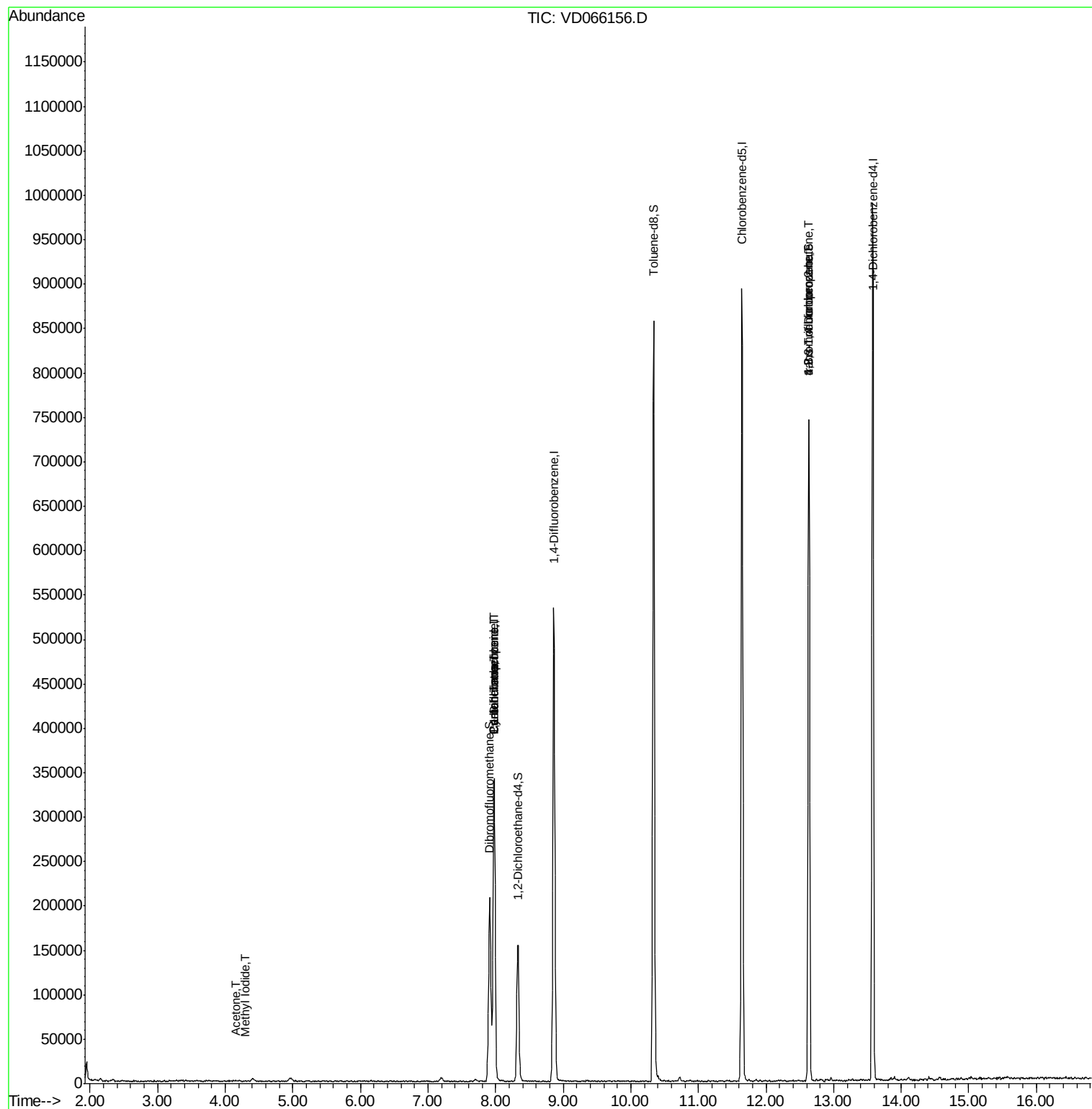
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	272713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	471298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	527912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	275229	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	122497	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
35) Dibromofluoromethane	7.91	113	148546	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
50) Toluene-d8	10.34	98	583762	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.63	95	248621	62.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.20%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.29	142	189	6.781	ug/l #	74
11) Tert butyl alcohol	5.20	59	329	Below Cal	#	76
16) Acetone	4.16	43	712	1.542	ug/l #	86
20) Methylene Chloride	4.95	84	2868	Below Cal	#	88
31) Cyclohexane	7.97	56	5248	1.231	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18478	4.172	ug/l #	51
38) Carbon Tetrachloride	7.98	117	25750	5.214	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	122960	53.572	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	122960	118.425	ug/l #	13

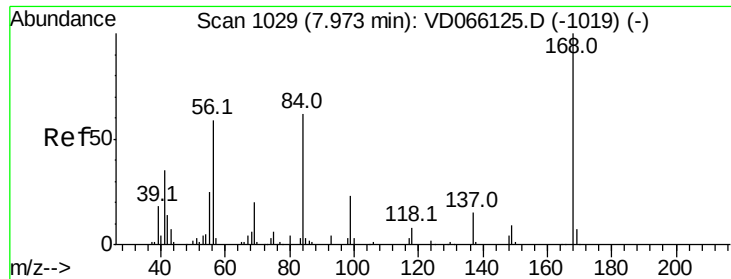
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 08 00:39:14 2020
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

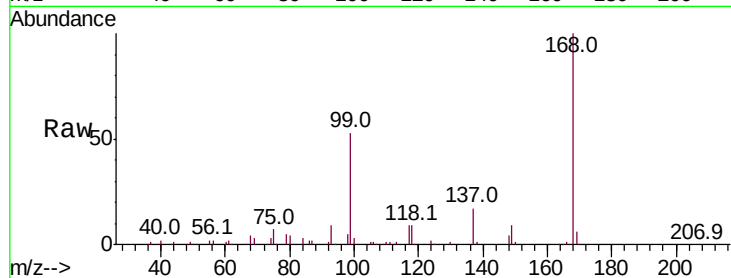
FK-GF-02-060-B

Tot Ion:168 Resp: 272713

Ion Ratio Lower Upper

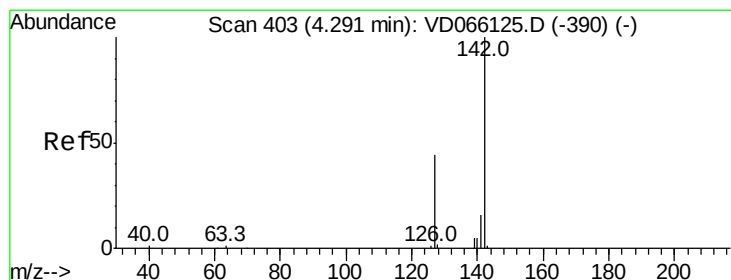
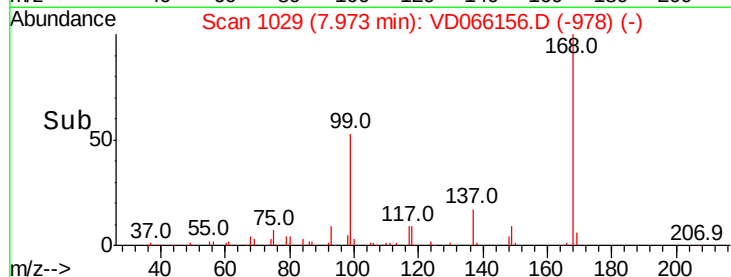
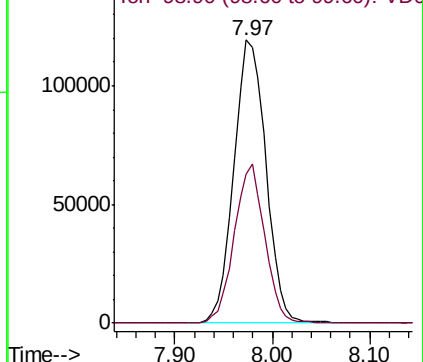
168 100

99 52.6 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 6.781 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

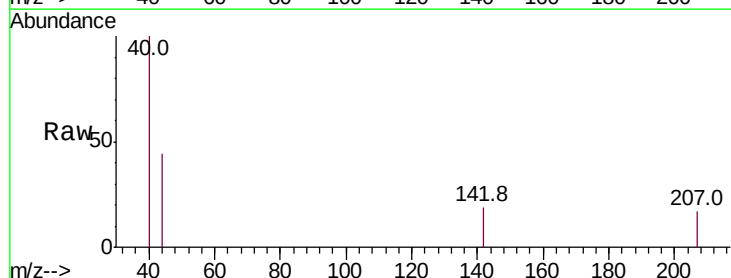
Tgt Ion:142 Resp: 189

Ion Ratio Lower Upper

142 100

127 31.2 36.2 54.4#

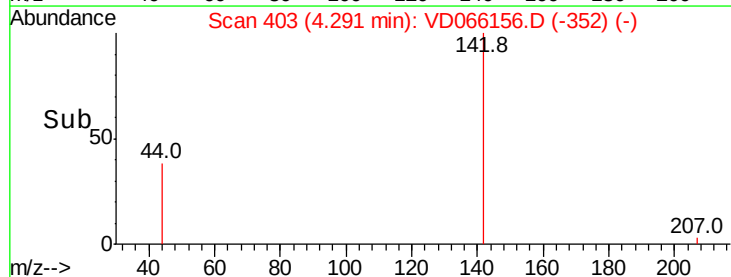
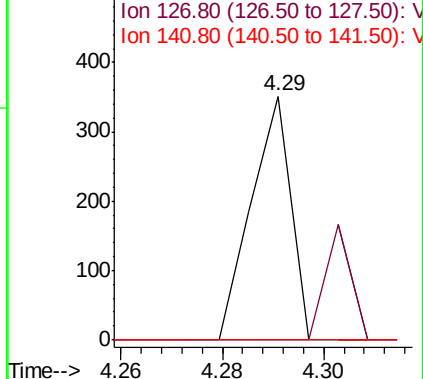
141 0.0 12.6 18.8#

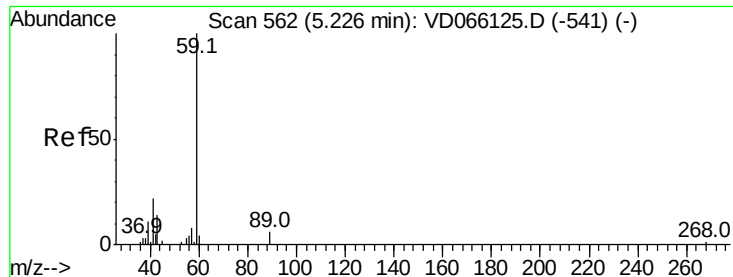


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



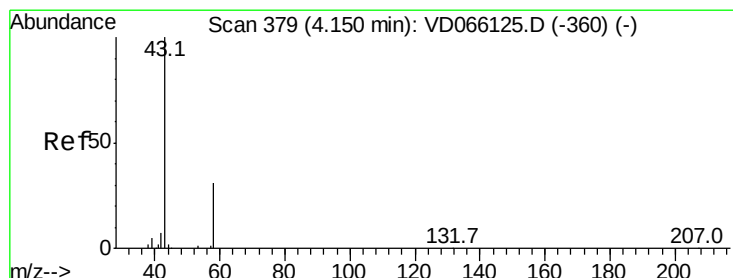
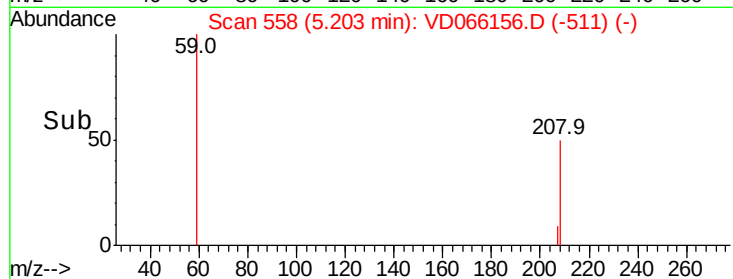
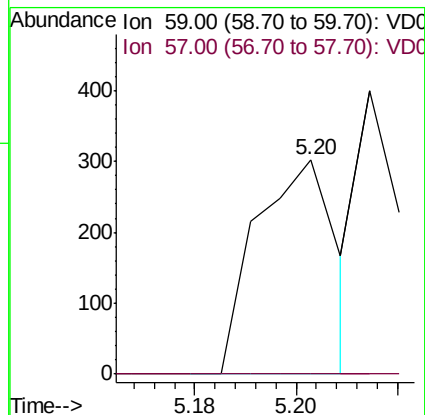
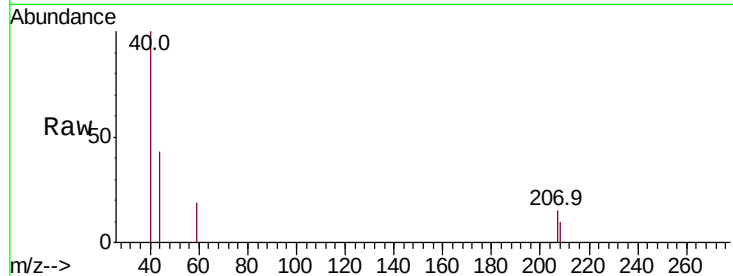


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066156.D
 Acq: 07 Aug 2020 14:30

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-060-B

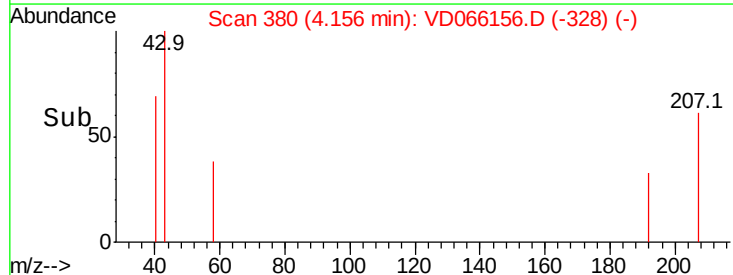
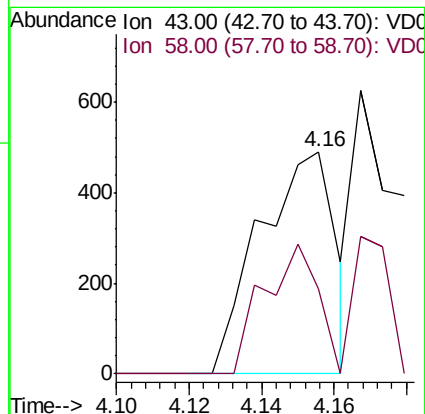
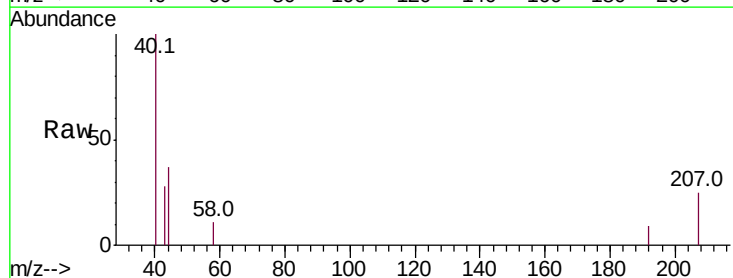
Tot Ion: 59 Resp: 329
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

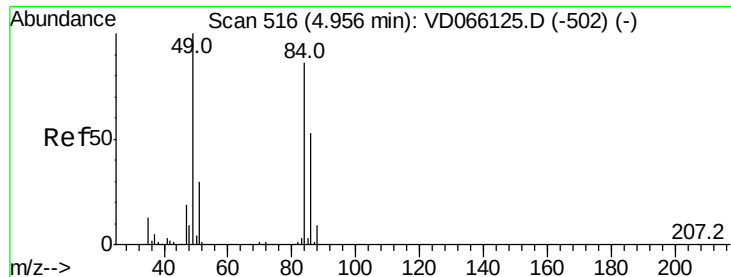


#16

Acetone
 Concen: 1.542 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.01 min
 Lab File: VD066156.D
 Acq: 07 Aug 2020 14:30

Tgt Ion: 43 Resp: 712
 Ion Ratio Lower Upper
 43 100
 58 38.4 24.7 37.1#

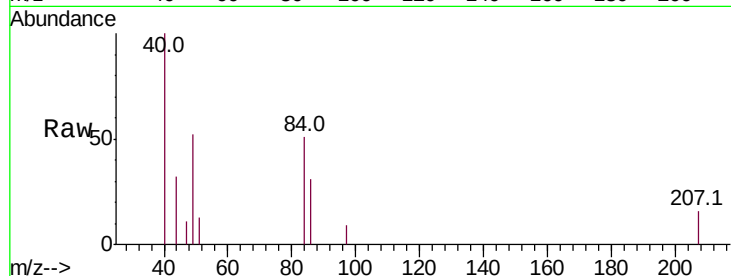




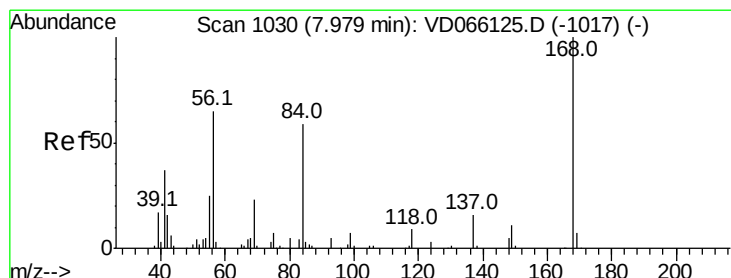
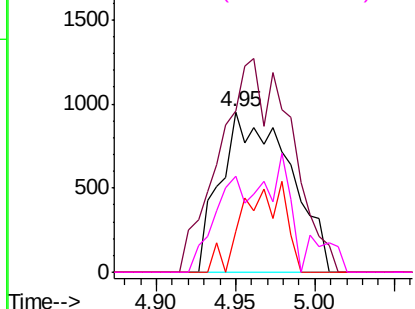
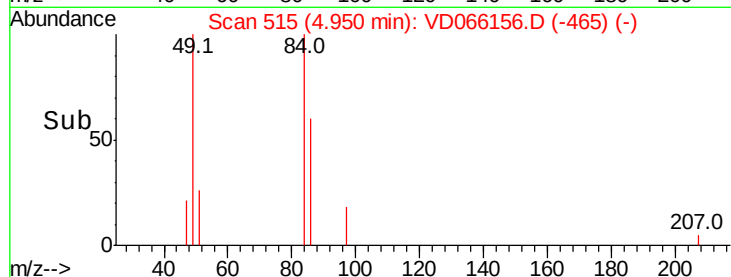
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD066156.D
Acq: 07 Aug 2020 14:30

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-060-B

Tot Ion: 84 Resp: 2868
Ion Ratio Lower Upper
84 100
49 100.4 93.5 140.3
51 25.8 28.2 42.4#
86 59.9 49.5 74.3

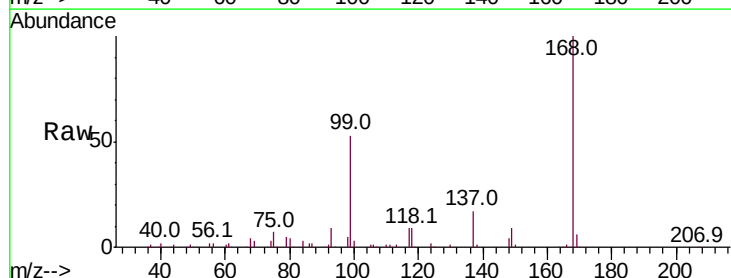


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

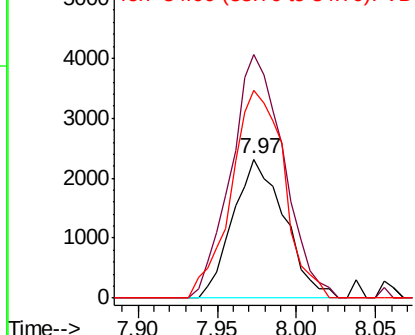
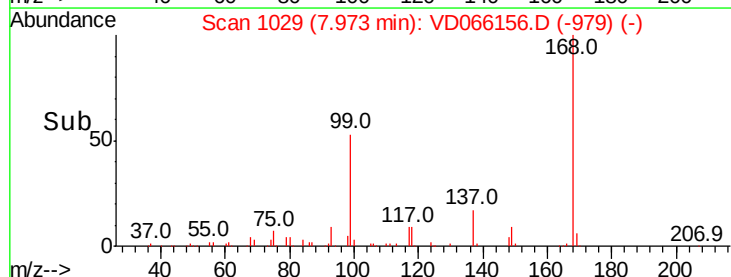


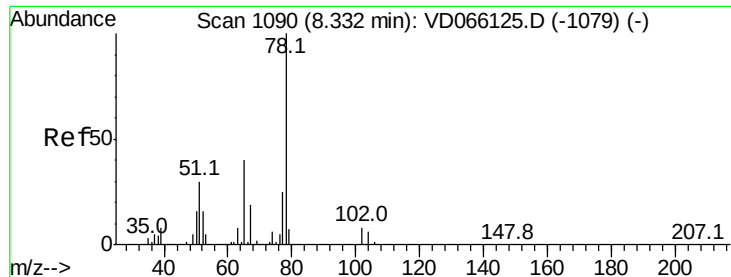
#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066156.D
Acq: 07 Aug 2020 14:30

Tgt Ion: 56 Resp: 5248
Ion Ratio Lower Upper
56 100
69 174.8 28.8 43.2#
84 149.3 73.0 109.6#



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

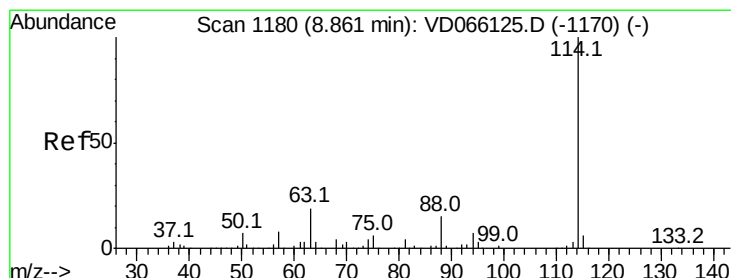
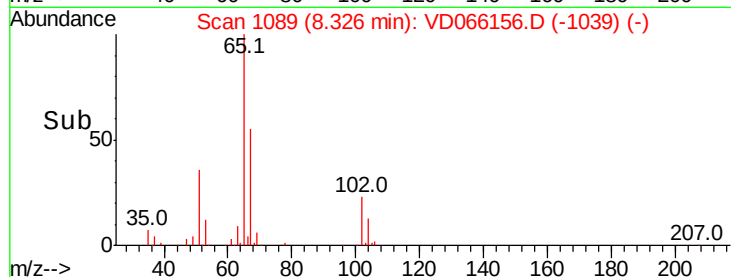
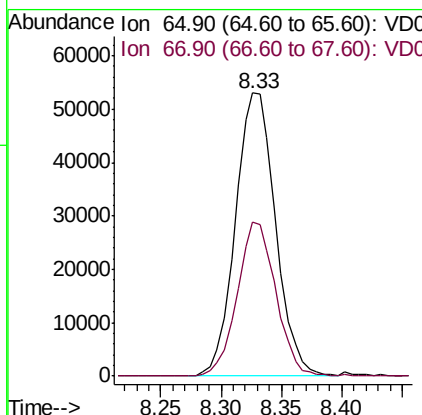
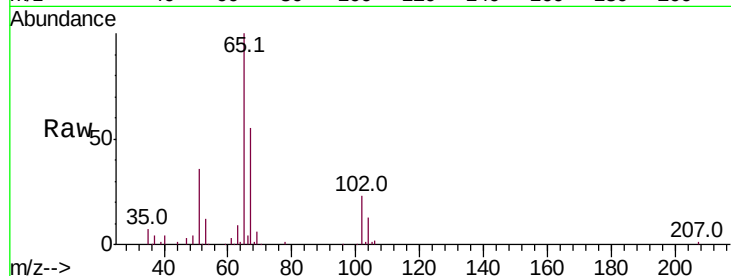




#33
 1,2-Dichloroethane-d4
 Concen: 50.348 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066156.D
 Acq: 07 Aug 2020 14:30

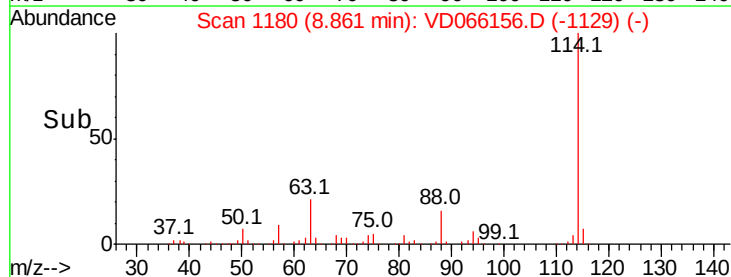
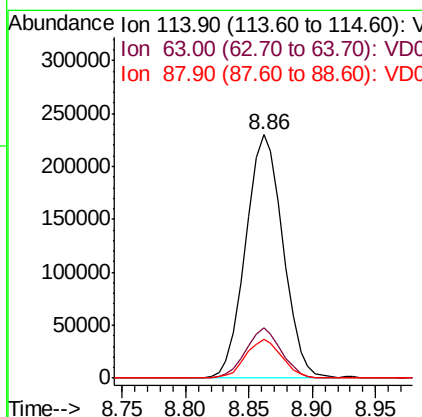
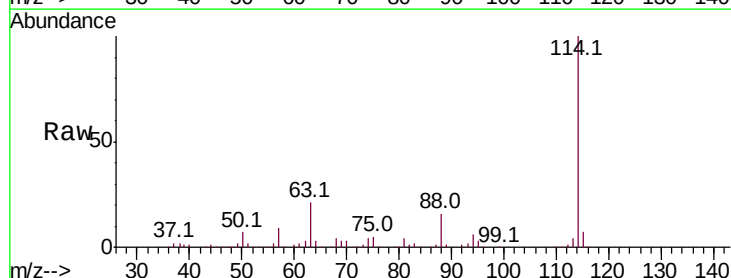
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-060-B

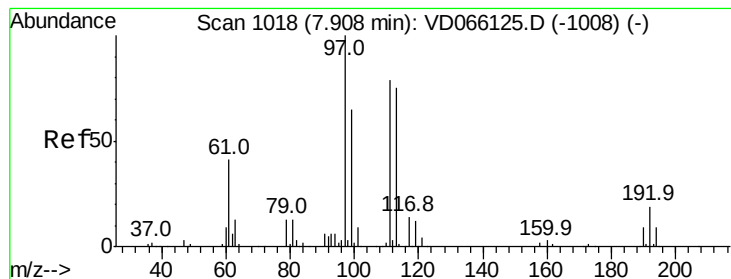
Tot Ion: 65 Resp: 122497
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066156.D
 Acq: 07 Aug 2020 14:30

Tgt Ion: 114 Resp: 471298
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.6
 88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.754 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-060-B

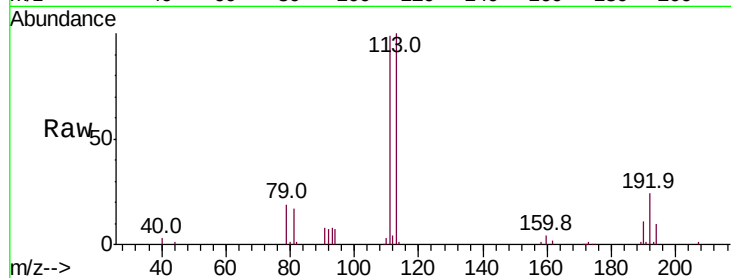
Tot Ion:113 Resp: 148546

Ion Ratio Lower Upper

113 100

111 103.7 80.7 121.1

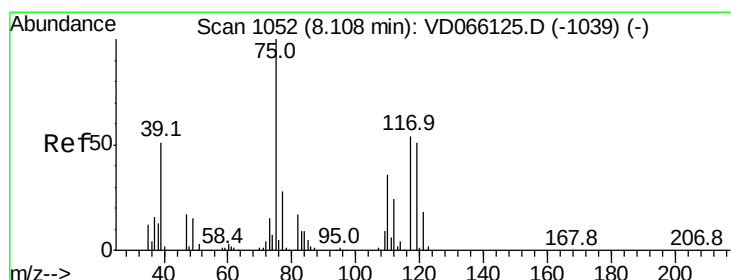
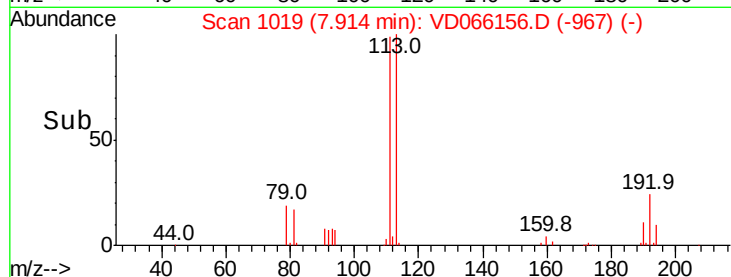
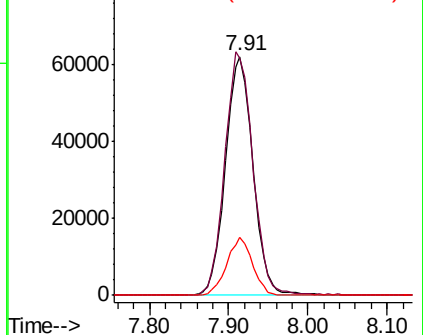
192 22.7 18.4 27.6



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: 4.172 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

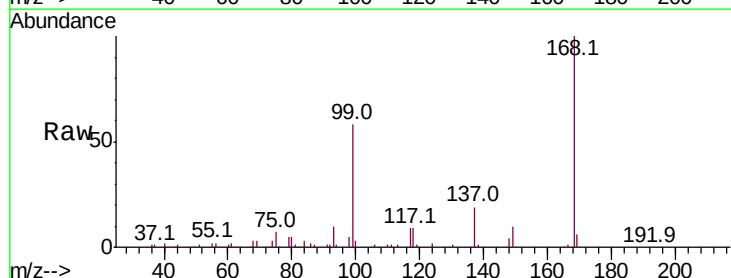
Tgt Ion: 75 Resp: 18478

Ion Ratio Lower Upper

75 100

110 10.8 18.8 56.3#

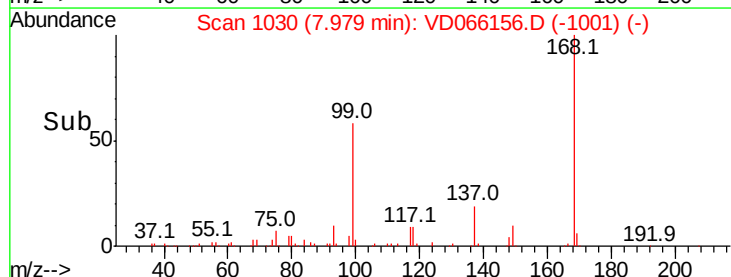
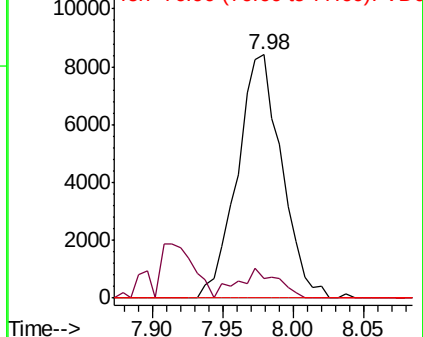
77 0.0 24.2 36.2#

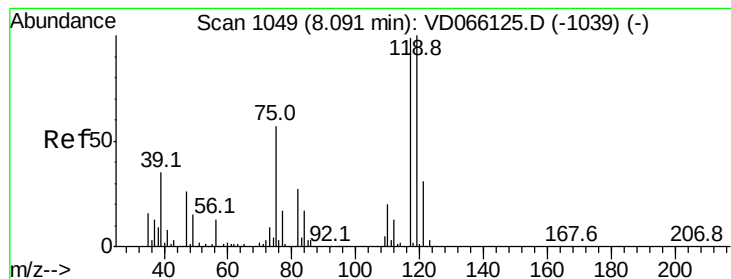


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.214 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-060-B

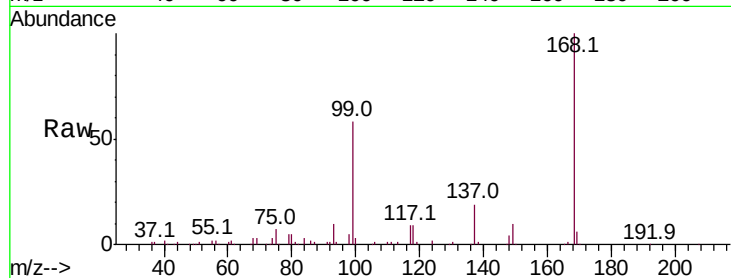
Tot Ion:117 Resp: 25750

Ion Ratio Lower Upper

117 100

119 9.1 81.0 121.4#

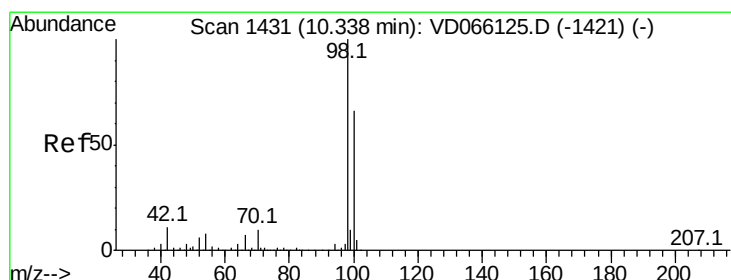
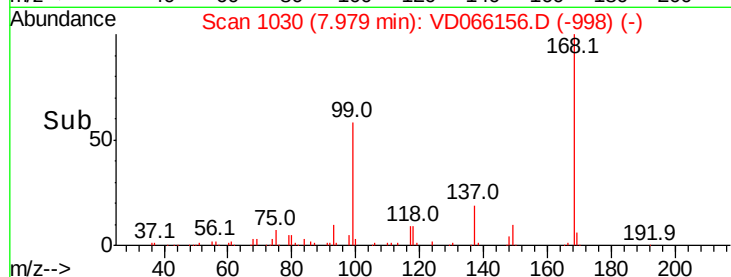
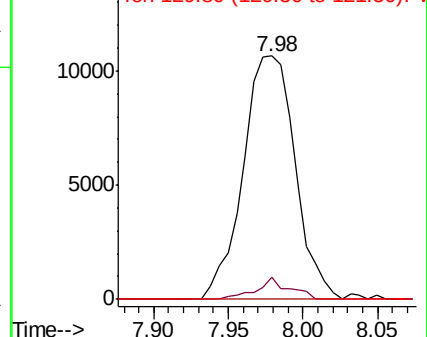
121 0.0 24.8 37.2#



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: 52.984 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066156.D

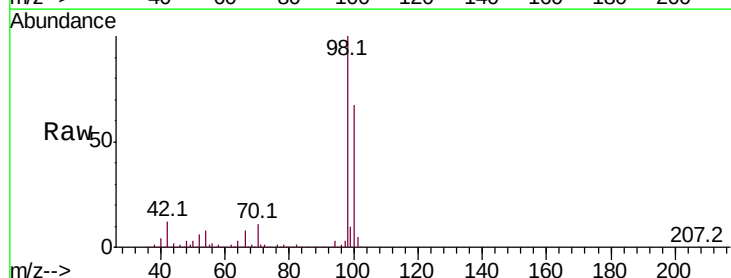
Acq: 07 Aug 2020 14:30

Tgt Ion: 98 Resp: 583762

Ion Ratio Lower Upper

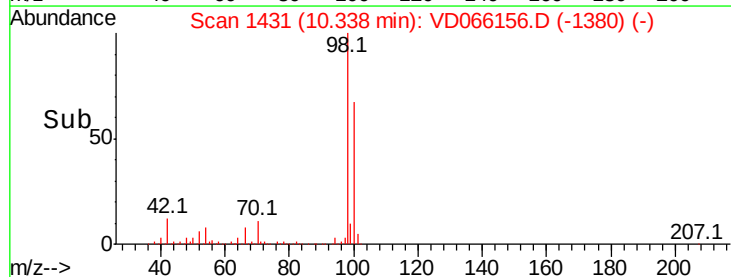
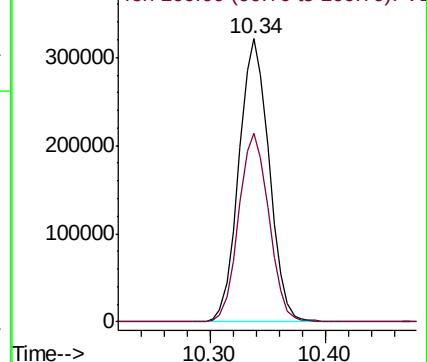
98 100

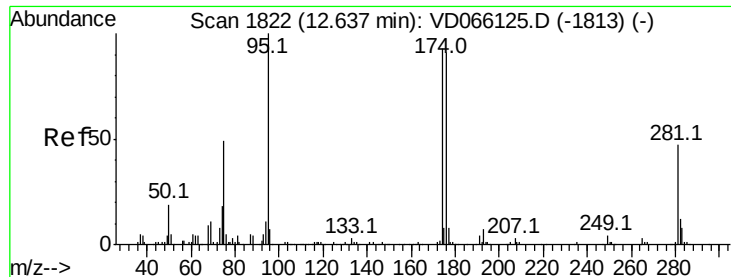
100 66.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 62.602 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-060-B

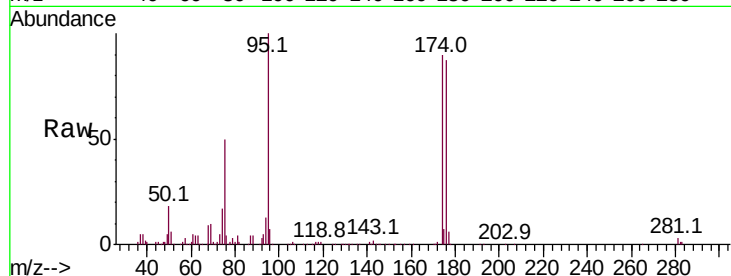
Tot Ion: 95 Resp: 248621

Ion Ratio Lower Upper

95 100

174 89.8 0.0 180.8

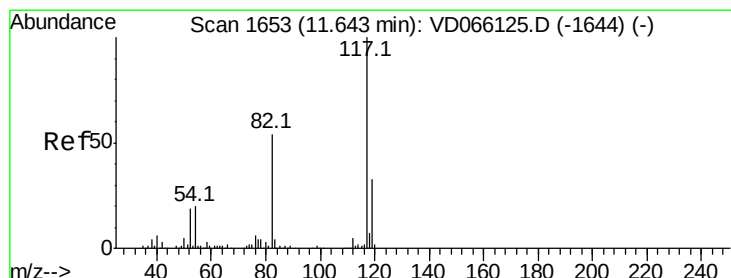
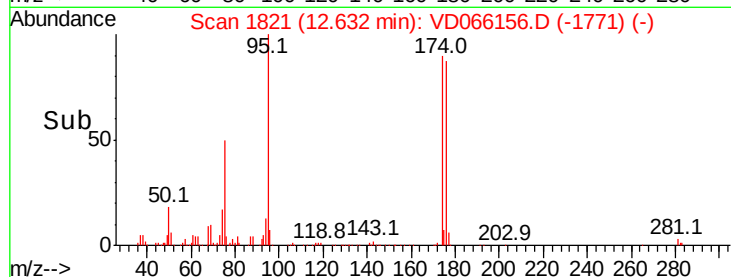
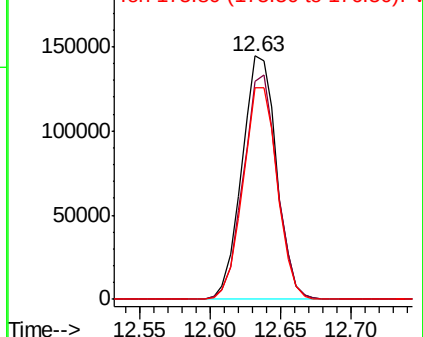
176 86.2 0.0 181.2



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: VD066156.D

Acq: 07 Aug 2020 14:30

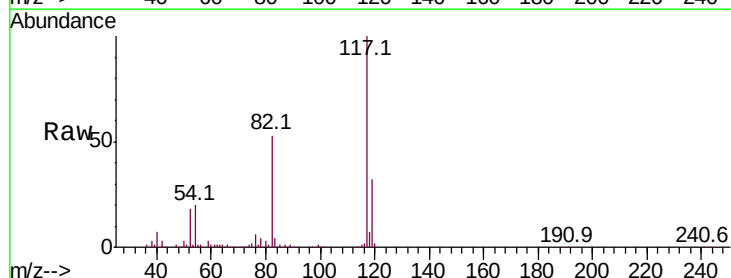
Tgt Ion: 117 Resp: 527912

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.4

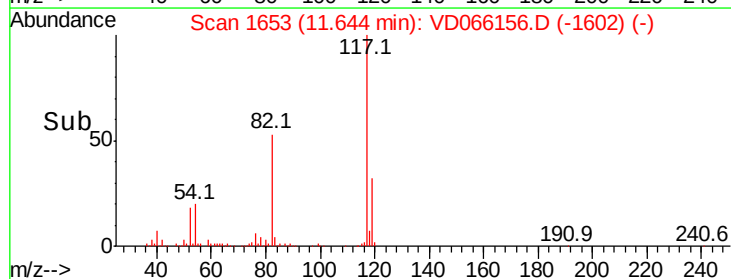
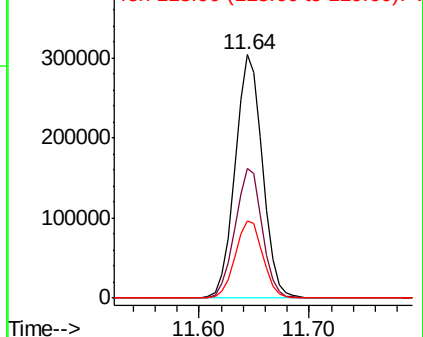
119 31.6 26.1 39.1

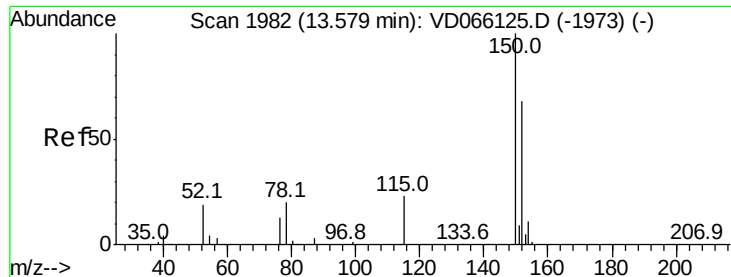


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-060-B

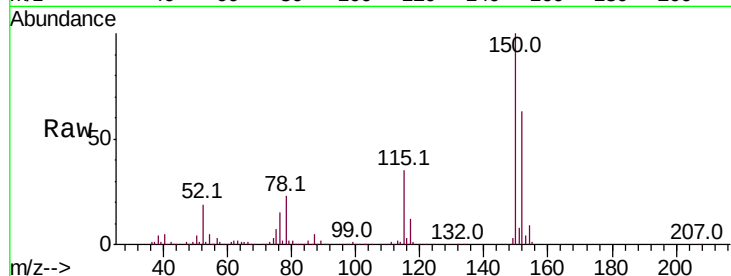
Tot Ion:152 Resp: 275229

Ion Ratio Lower Upper

152 100

115 55.5 28.0 83.9

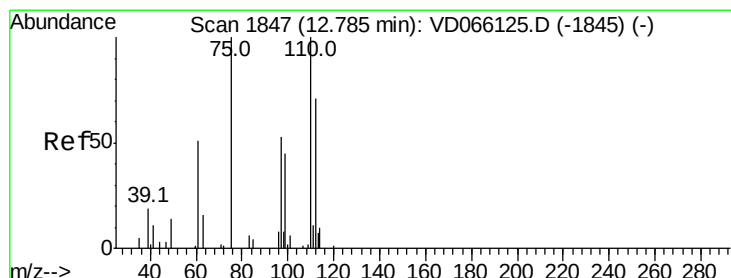
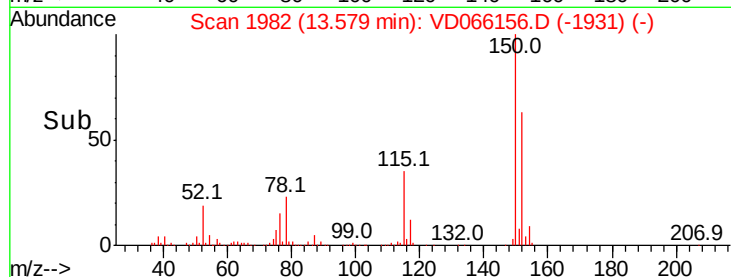
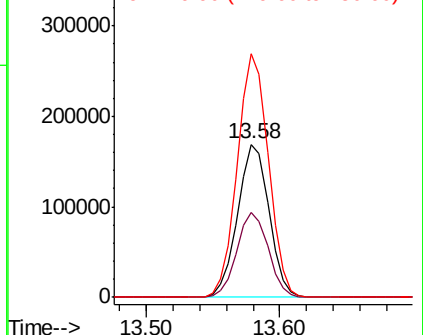
150 157.7 0.0 346.4



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: 53.572 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066156.D

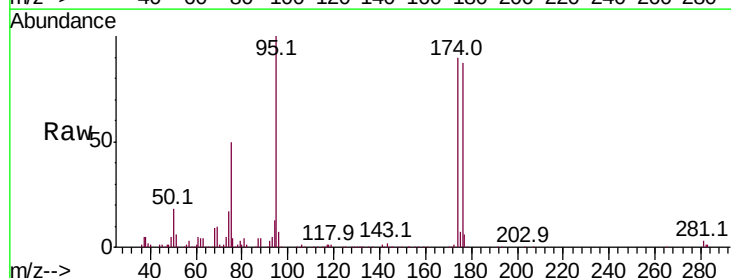
Acq: 07 Aug 2020 14:30

Tgt Ion: 75 Resp: 122960

Ion Ratio Lower Upper

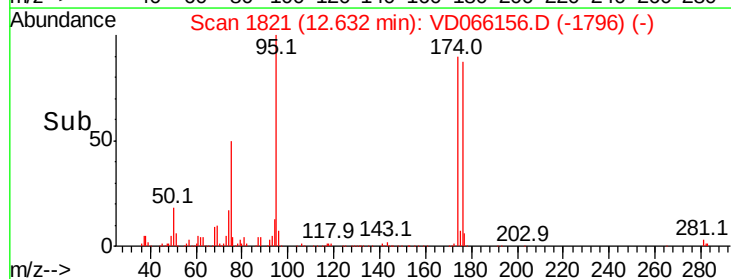
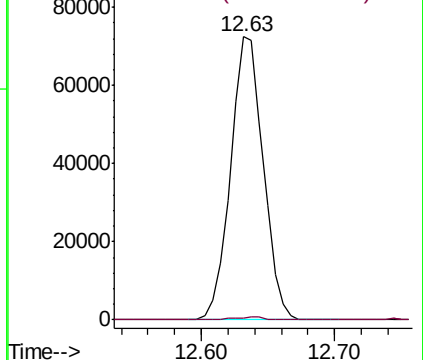
75 100

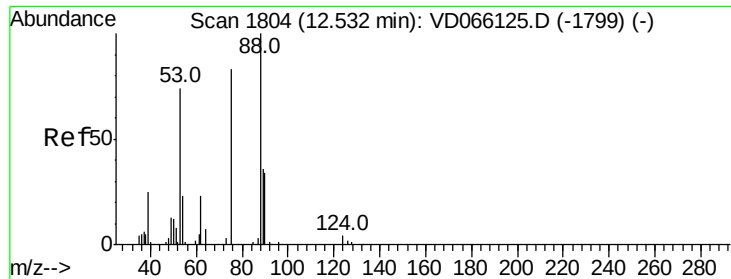
77 1.2 0.0 0.0#



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: 118.425 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066156.D

Acq: 07 Aug 2020 14:30

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-060-B

Tot Ion: 75 Resp: 122960

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#

