

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067705.D
 Acq On : 19 Nov 2020 13:48
 Operator : VA/SY
 Sample : L4802-04
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-064-B

Quant Time: Nov 20 00:30:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

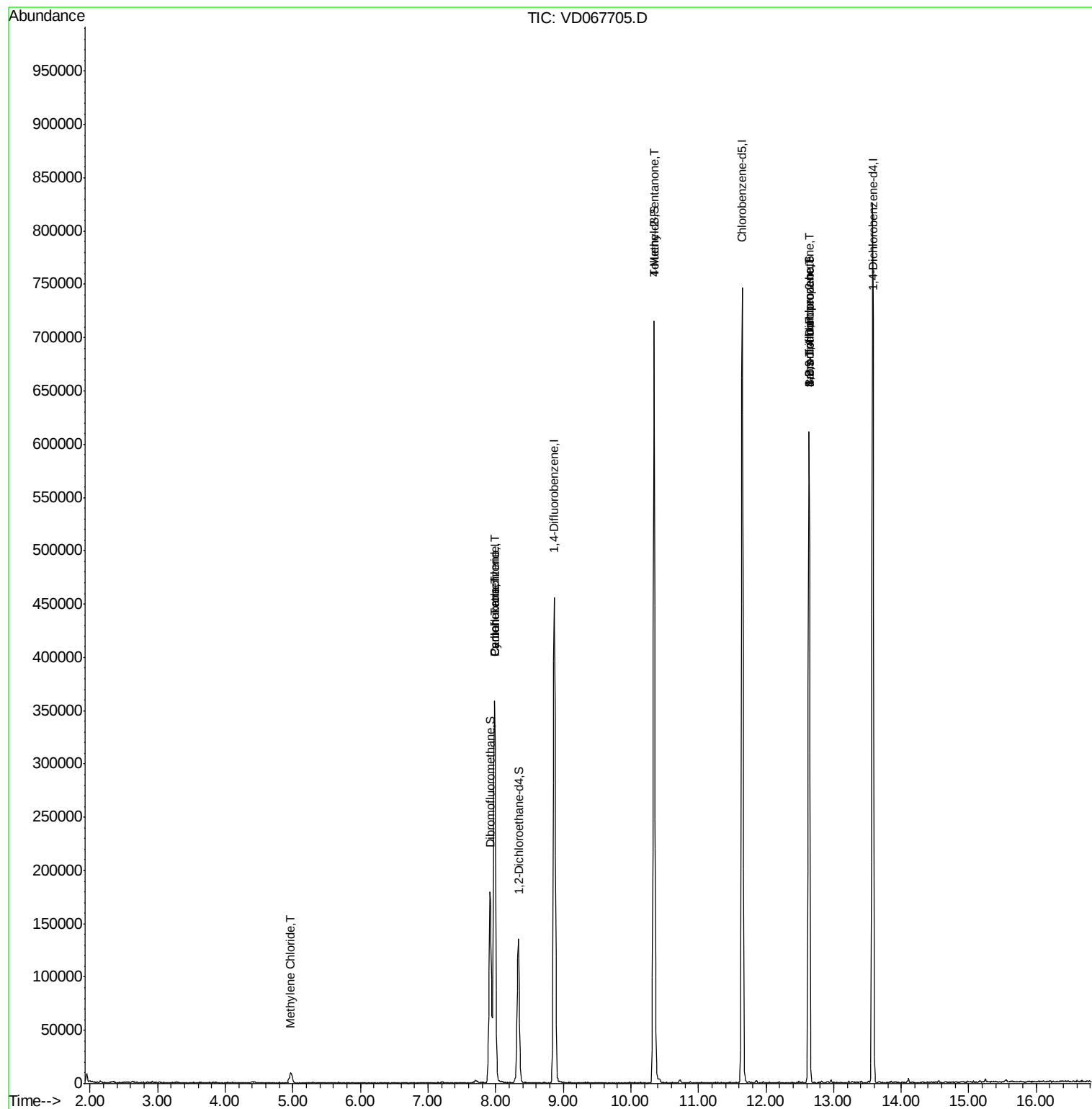
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	278692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	411915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	446242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	120593	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
35) Dibromofluoromethane	7.92	113	124135	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	10.34	98	490431	56.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.46%	
62) 4-Bromofluorobenzene	12.64	95	192916	64.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	521	Below Cal	#	44
20) Methylene Chloride	4.96	84	8432	3.273	ug/l	95
31) Cyclohexane	7.99	56	4909	1.389	ug/l #	28
38) Carbon Tetrachloride	7.99	117	27911	6.093	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1744	2.014	ug/l #	1
71) Bromoform	12.64	173	1780	1.030	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	99558	70.498	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	99558	143.129	ug/l #	10

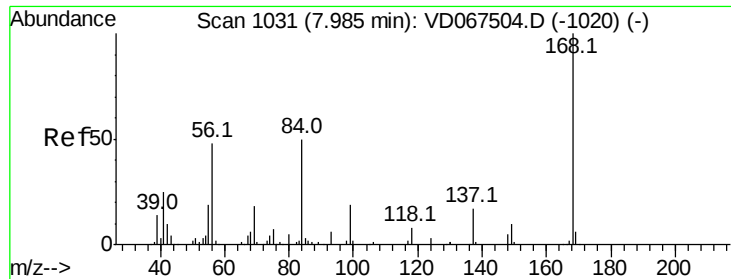
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

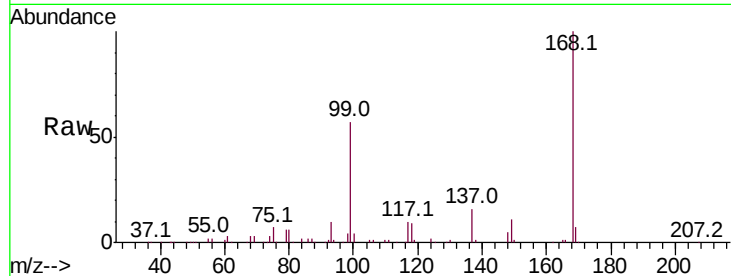
FK-GF-02-064-B

Tot Ion:168 Resp: 278692

Ion Ratio Lower Upper

168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

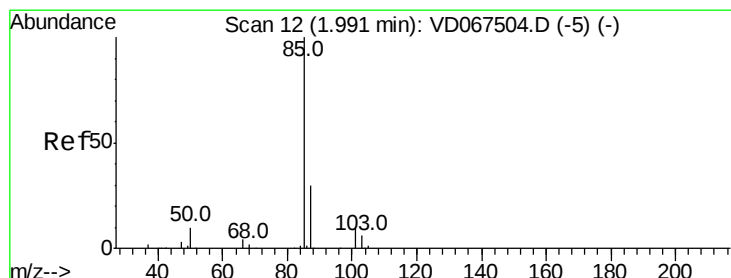
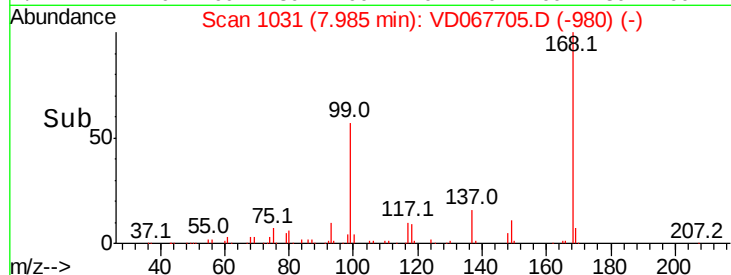
7.99

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067705.D

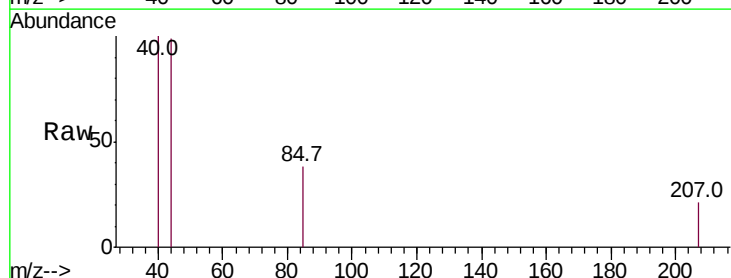
Acq: 19 Nov 2020 13:48

Tgt Ion: 85 Resp: 521

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

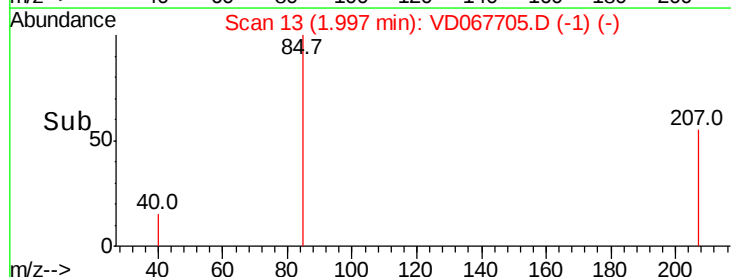
300

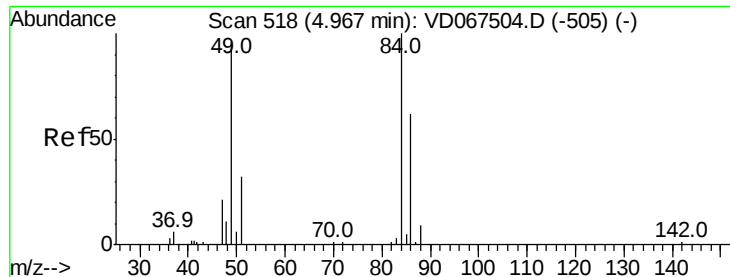
200

100

0

Time-->



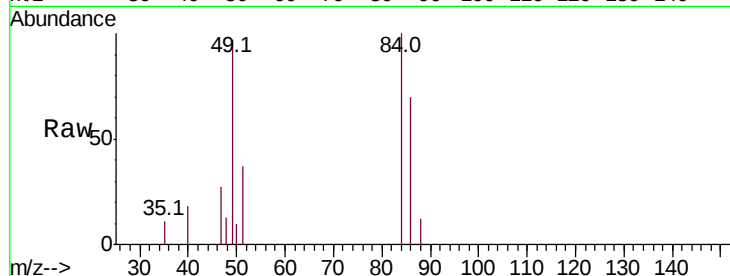


#20
Methvlene Chloride
Concen: 3.273 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067705.D
Acq: 19 Nov 2020 13:48

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-064-B

Tot Ion: 84 Resp: 8432

Ion	Ratio	Lower	Upper
84	100		
49	96.6	77.0	115.4
51	37.0	25.4	38.2
86	70.2	49.4	74.0



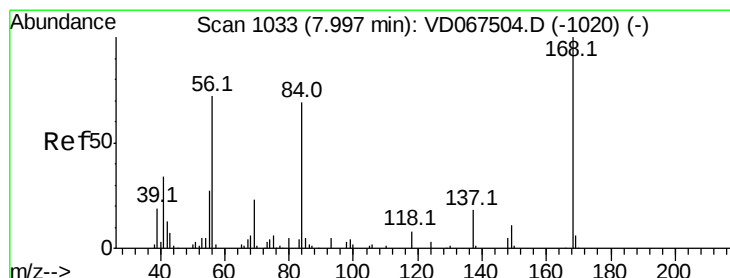
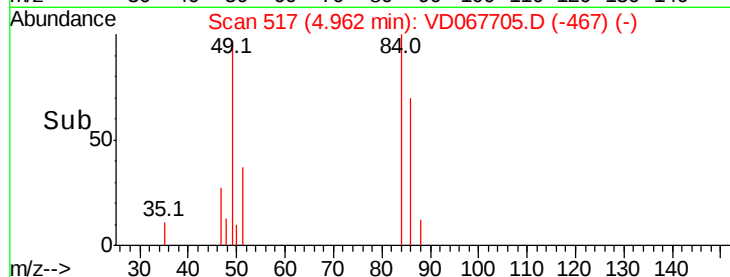
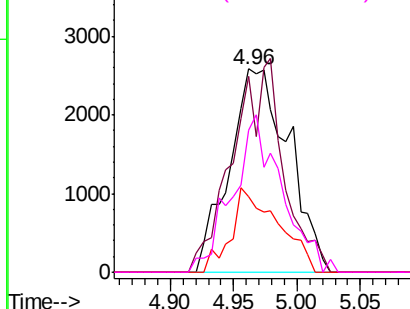
Abundance

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

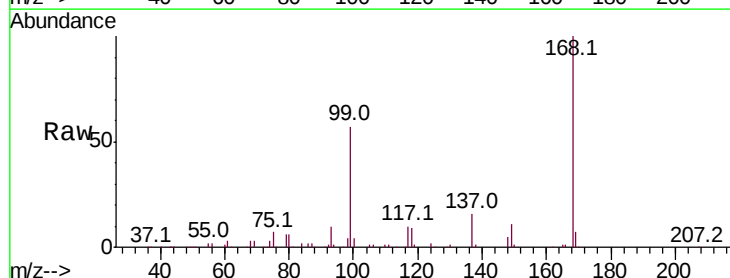
Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.389 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067705.D
Acq: 19 Nov 2020 13:48

Tgt Ion: 56 Resp: 4909

Ion	Ratio	Lower	Upper
56	100		
69	161.6	25.9	38.9#
84	112.4	76.2	114.4

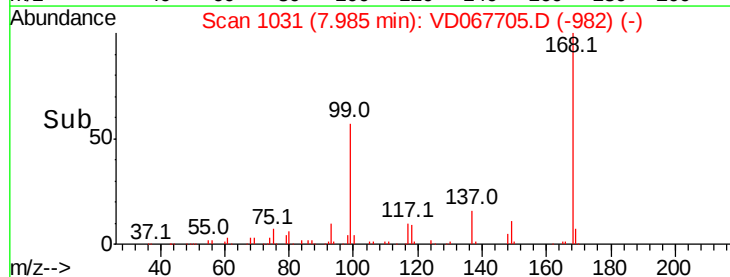
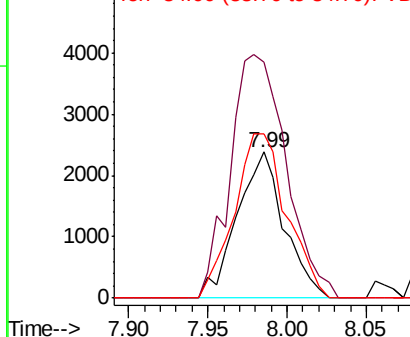


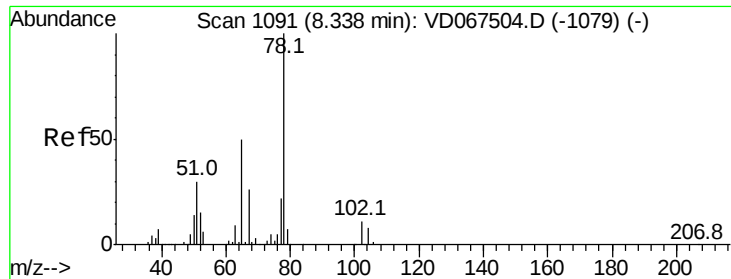
Abundance

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: 49.487 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

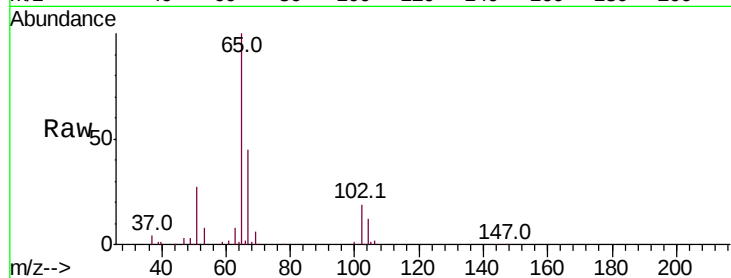
FK-GF-02-064-B

Tot Ion: 65 Resp: 120593

Ion Ratio Lower Upper

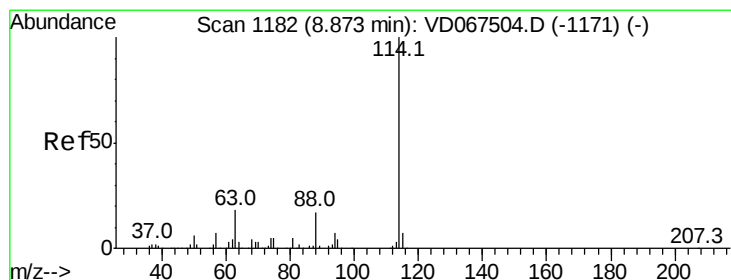
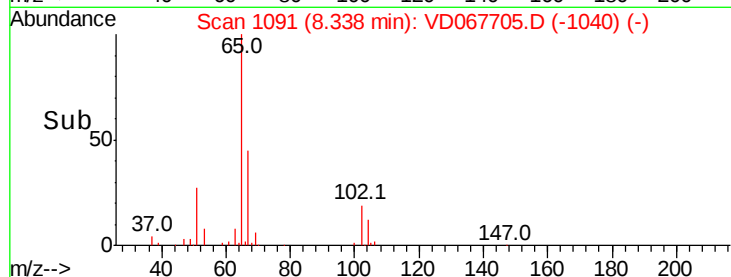
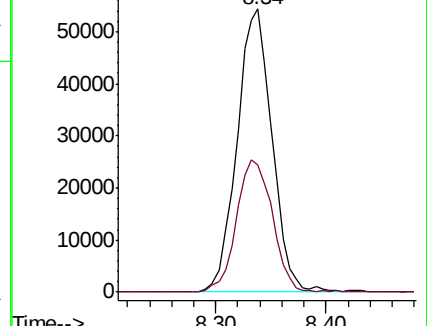
65 100

67 48.1 0.0 99.4



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. -0.01 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

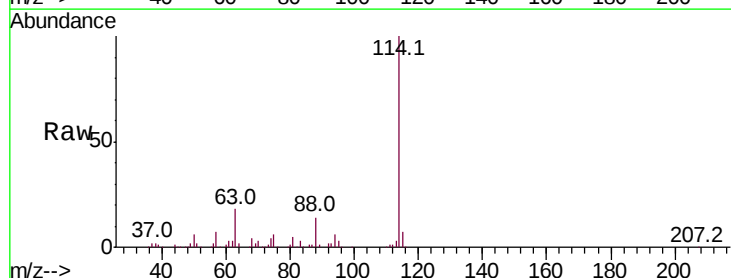
Tgt Ion: 114 Resp: 411915

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

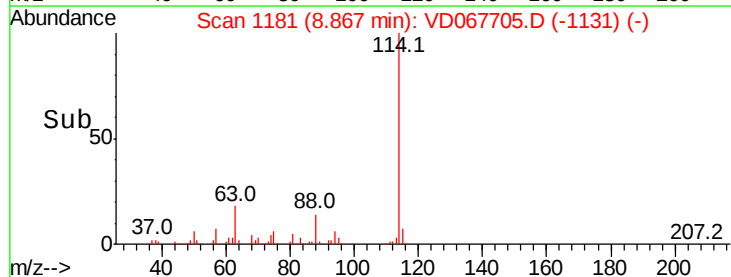
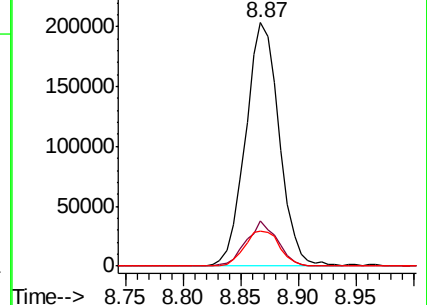
88 14.4 0.0 33.0

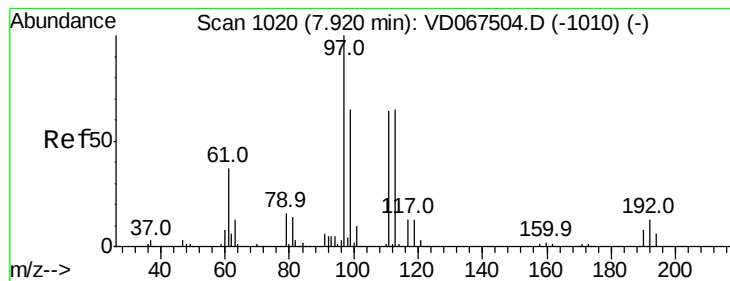


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.019 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-064-B

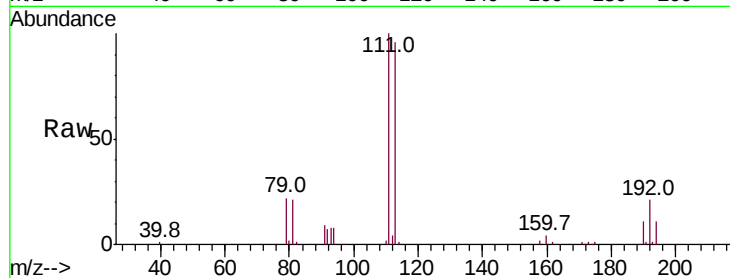
Tot Ion:113 Resp: 124135

Ion Ratio Lower Upper

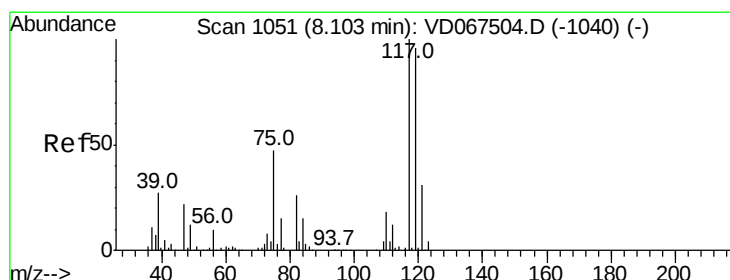
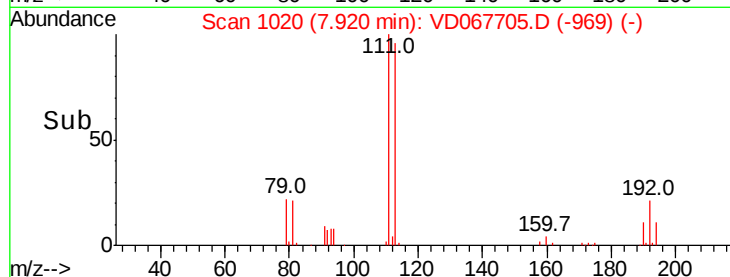
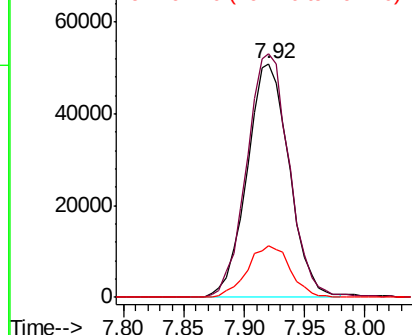
113 100

111 105.3 80.0 120.0

192 22.2 16.3 24.5



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



#38

Carbon Tetrachloride

Concen: 6.093 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

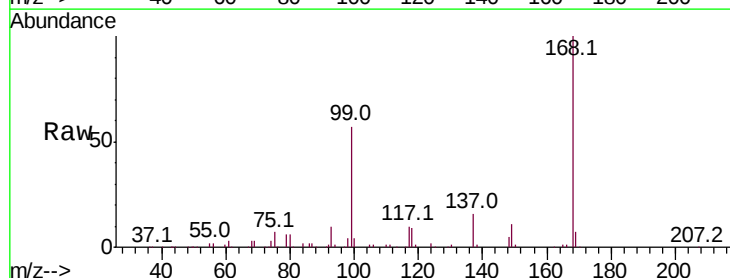
Tgt Ion:117 Resp: 27911

Ion Ratio Lower Upper

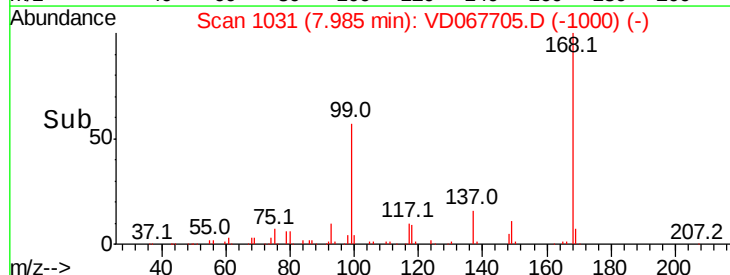
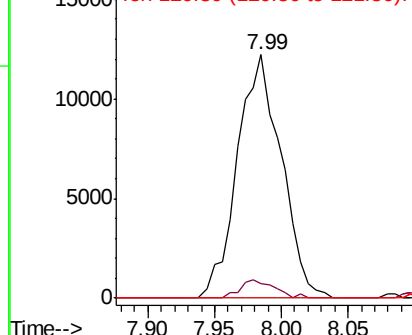
117 100

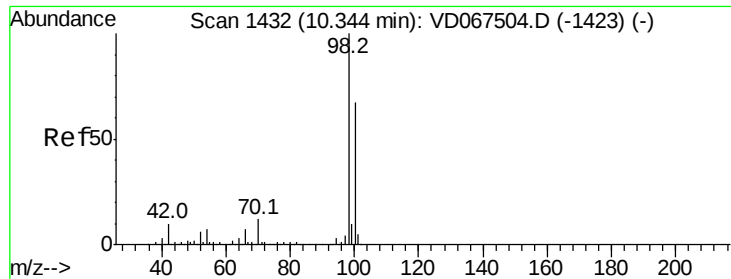
119 6.0 76.9 115.3#

121 0.0 24.5 36.7#



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

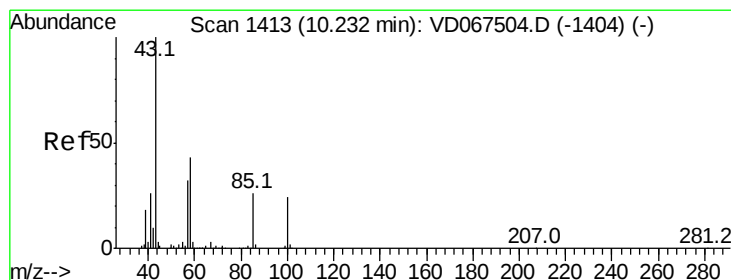
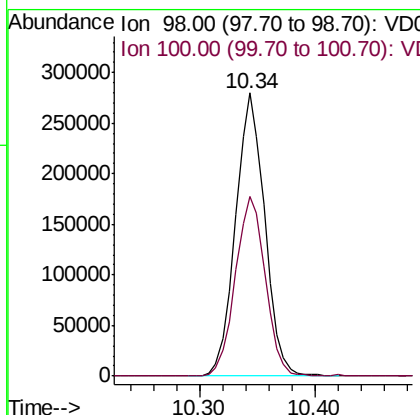
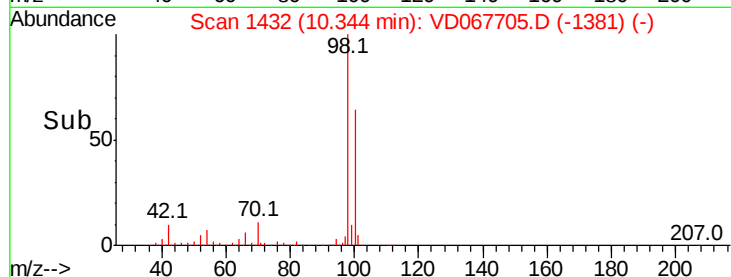
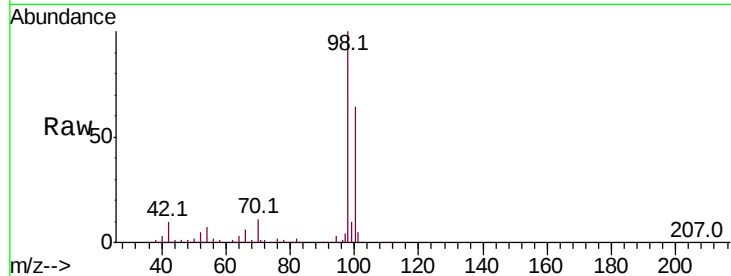




#50
Toluene-d8
Concen: 56.232 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067705.D
Acq: 19 Nov 2020 13:48

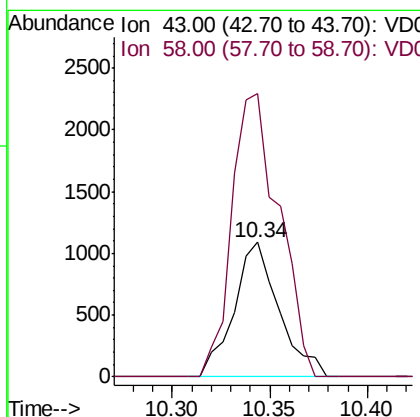
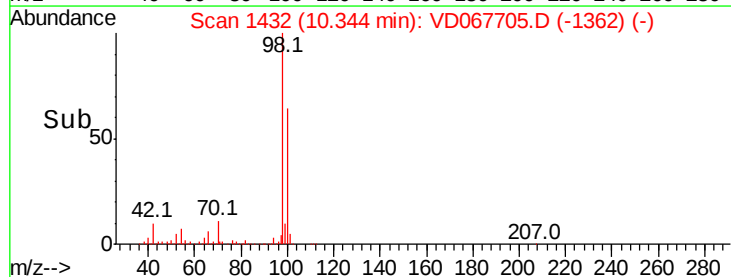
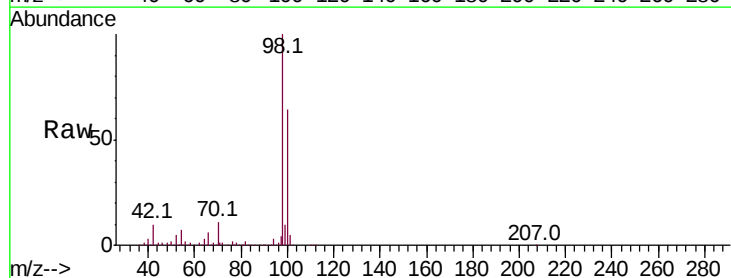
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MSVOA_D
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FK-GF-02-064-B

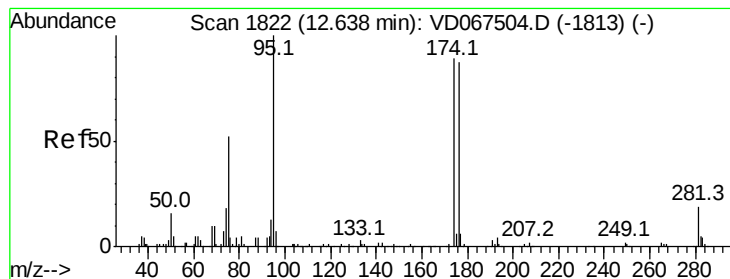
Tot Ion: 98 Resp: 490431
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.014 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067705.D
Acq: 19 Nov 2020 13:48

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
58 220.3 35.6 53.4#





#62

4-Bromofluorobenzene

Concen: 64.069 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-064-B

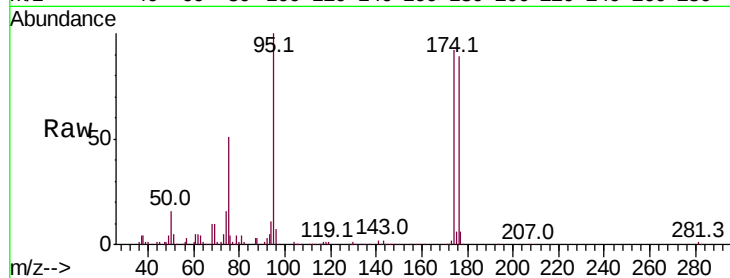
Tot Ion: 95 Resp: 192916

Ion Ratio Lower Upper

95 100

174 92.9 0.0 177.8

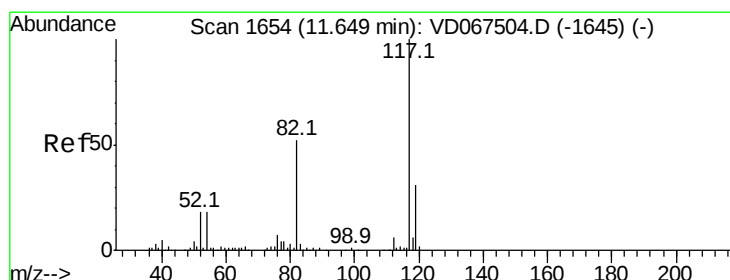
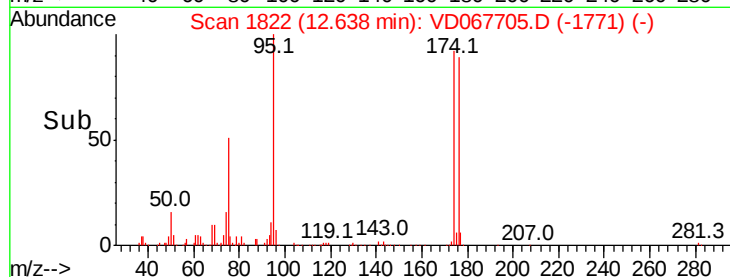
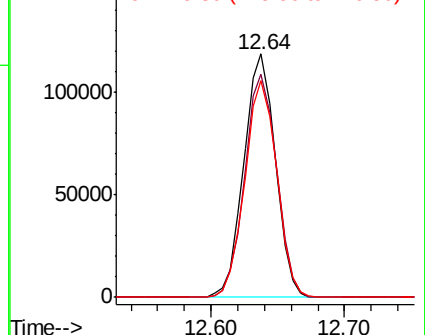
176 90.2 0.0 172.0



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. 0.00 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

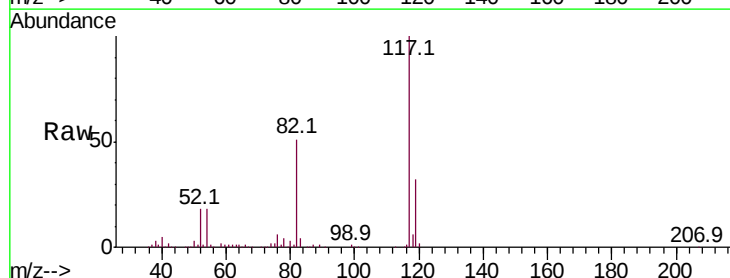
Tgt Ion: 117 Resp: 446242

Ion Ratio Lower Upper

117 100

82 51.0 41.6 62.4

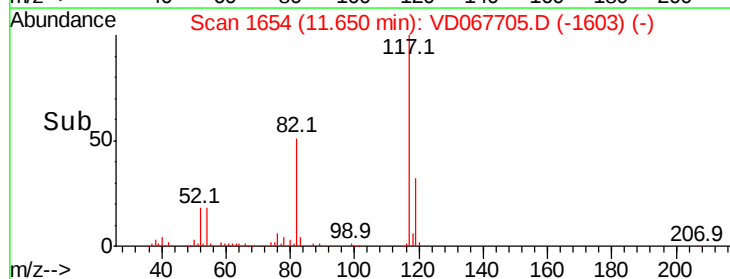
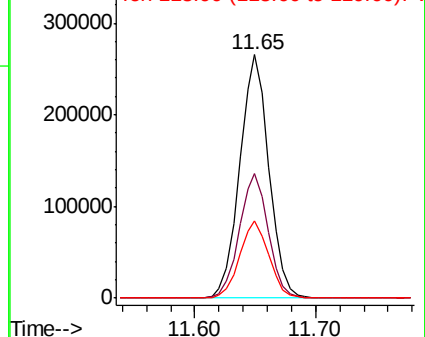
119 31.6 25.1 37.7

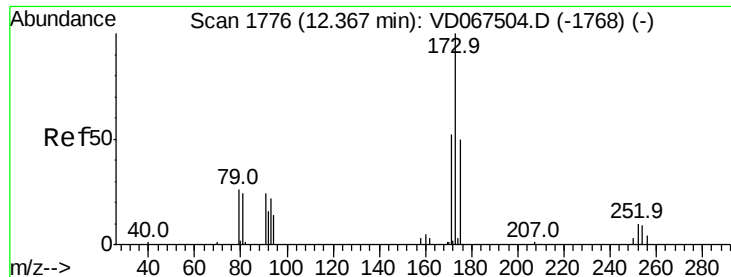


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.030 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

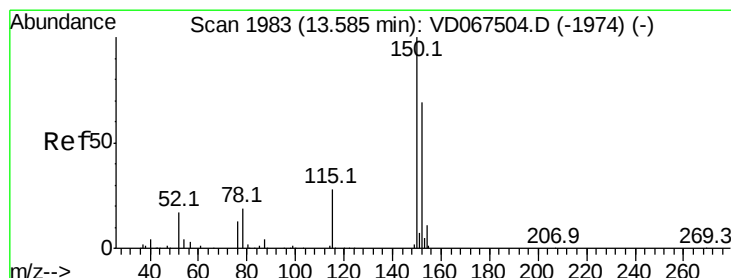
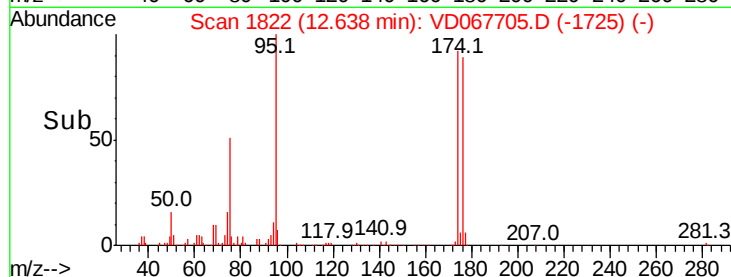
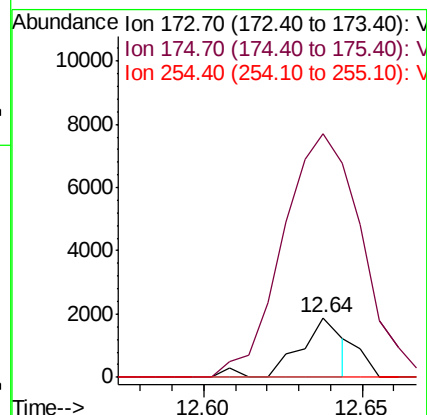
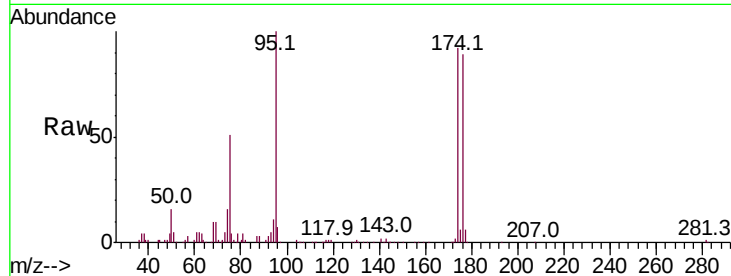
Lab File: VD067705.D

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Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-064-B

Tot Ion:173 Resp: 1780

Ion	Ratio	Lower	Upper
173	100		
175	590.6	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

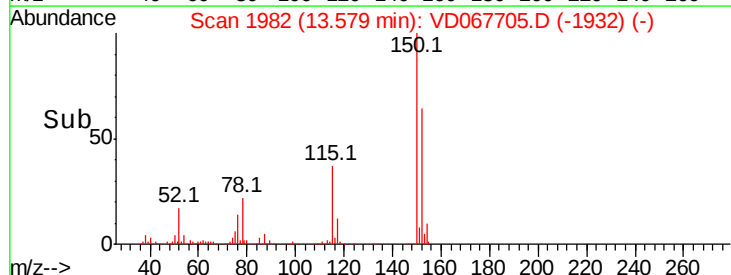
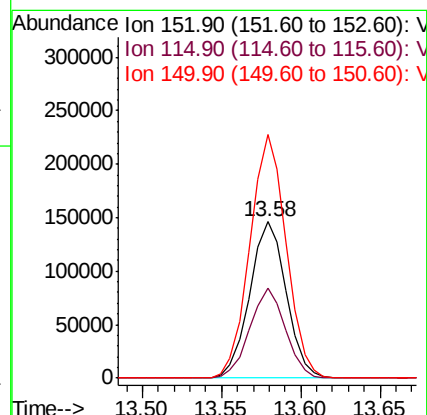
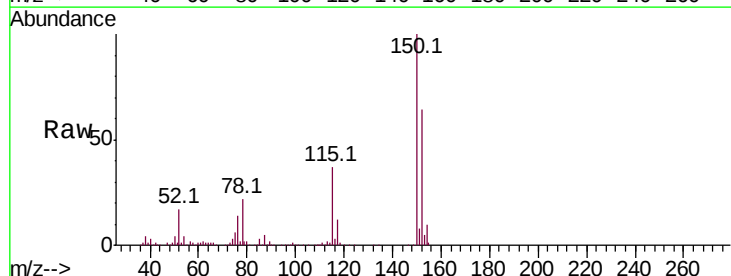
Delta R.T. -0.01 min

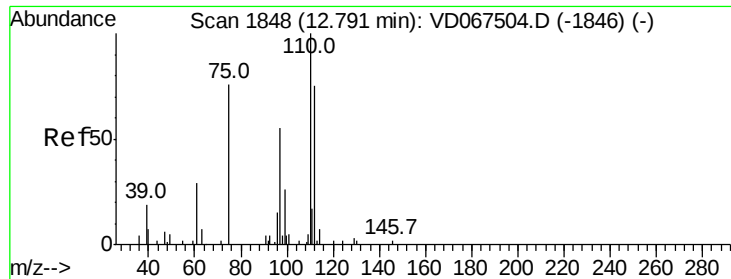
Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Tgt Ion:152 Resp: 234098

Ion	Ratio	Lower	Upper
152	100		
115	56.1	29.3	88.0
150	154.2	0.0	338.2





#76

1,2,3-Trichloropropane

Concen: 70.498 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

Instrument :

MSVOA_D

ClientSampleId :

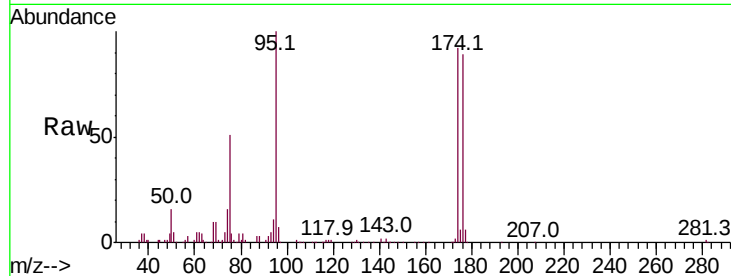
FK-GF-02-064-B

Tot Ion: 75 Resp: 99558

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

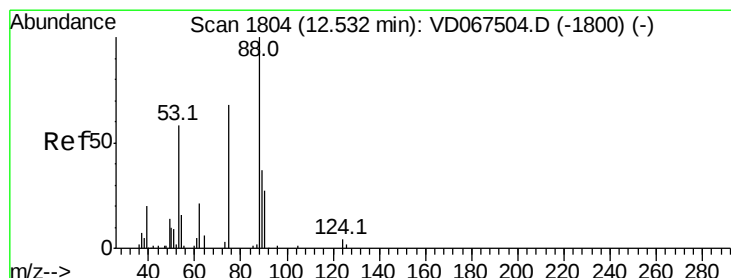
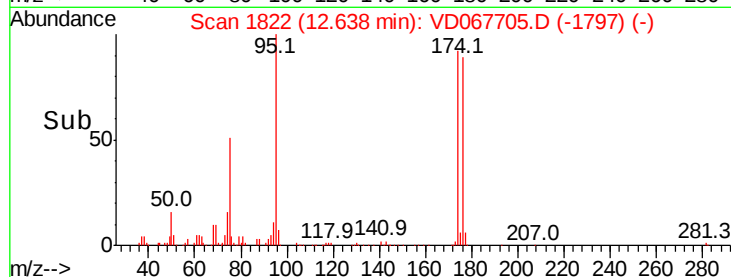
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 143.129 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067705.D

Acq: 19 Nov 2020 13:48

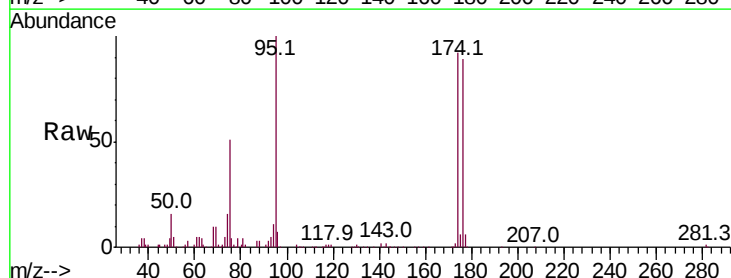
Tgt Ion: 75 Resp: 99558

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.0 44.6 67.0#



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

12.64

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

