

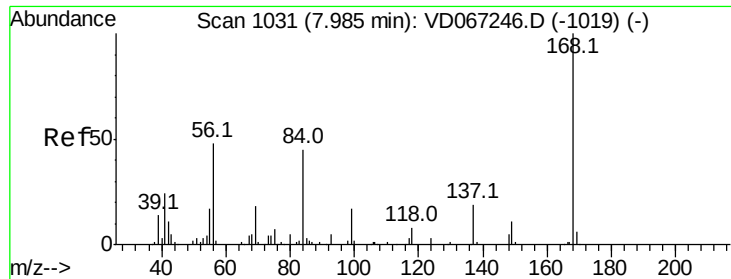
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067271.D
 Acq On : 14 Oct 2020 17:06
 Operator : VA/SY
 Sample : L4407-04
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-062-B

Quant Time: Oct 15 06:13:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	586213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	545924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254680	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	184252	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.91	113	192226	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.34	98	685543	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.64	95	230036	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	316	Below Cal	#	44
5) Bromomethane	2.80	94	56	Below Cal	#	3
20) Methylene Chloride	4.96	84	5046	Below Cal	#	82
31) Cyclohexane	7.98	56	7930	1.957	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	23449	4.719	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35149	5.535	ug/l #	16
51) 4-Methyl-2-Pentanone	10.35	43	2306	1.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	116529	66.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	116529	149.704	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

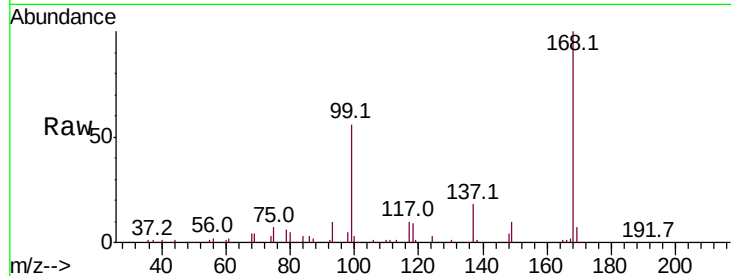
FK-GF-02-062-B

Tot Ion:168 Resp: 351126

Ion Ratio Lower Upper

168 100

99 55.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

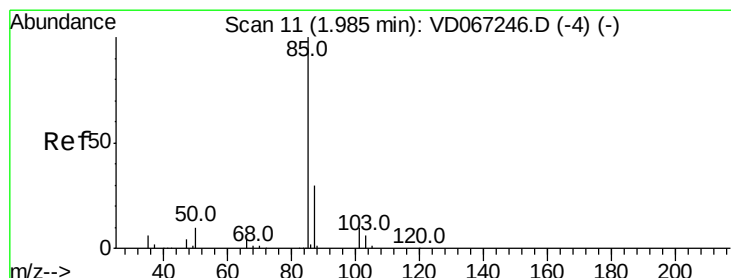
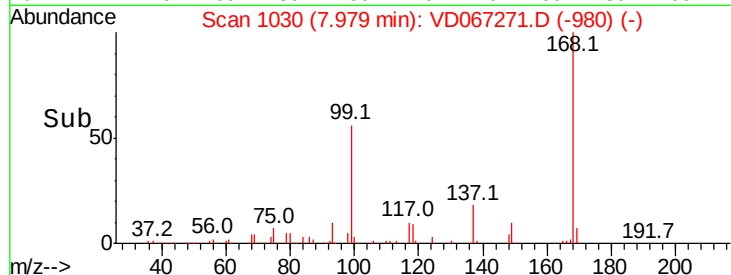
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067271.D

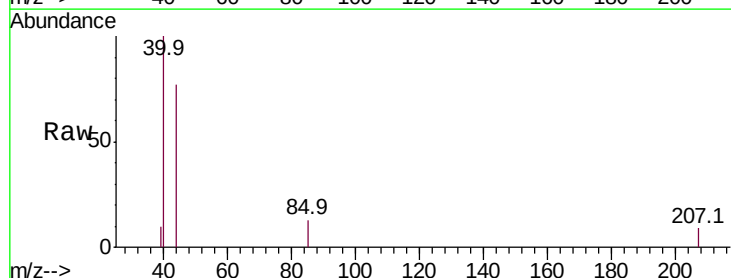
Acq: 14 Oct 2020 17:06

Tgt Ion: 85 Resp: 316

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

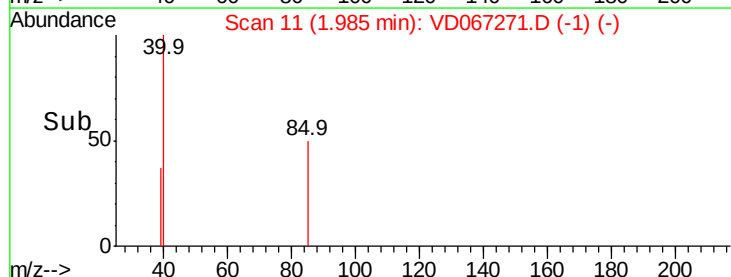
300

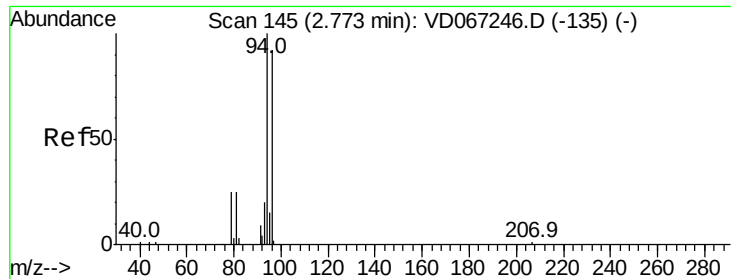
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

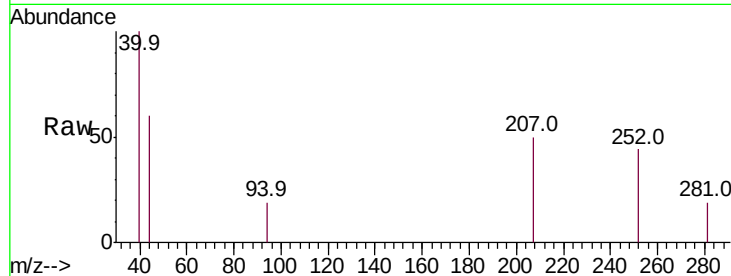
FK-GF-02-062-B

Tot Ion: 94 Resp: 56

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

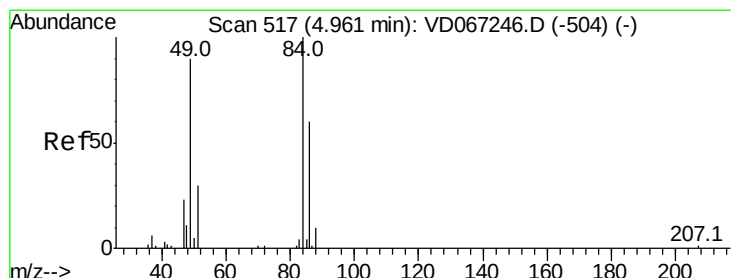
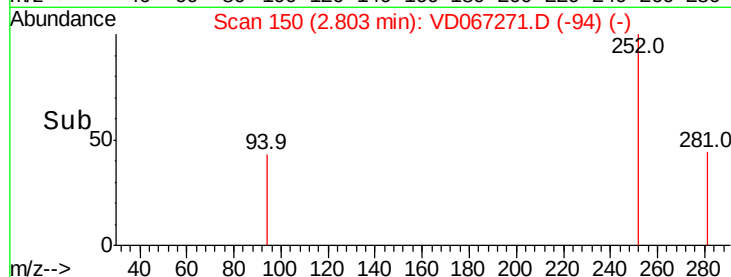
150

100

50

0

Time--> 2.78 2.79 2.80 2.81 2.82



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

Tgt Ion: 84 Resp: 5046

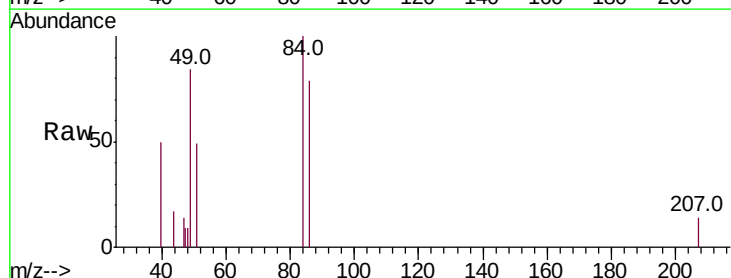
Ion Ratio Lower Upper

84 100

49 83.8 72.2 108.2

51 48.7 23.8 35.8#

86 79.3 48.2 72.4#



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

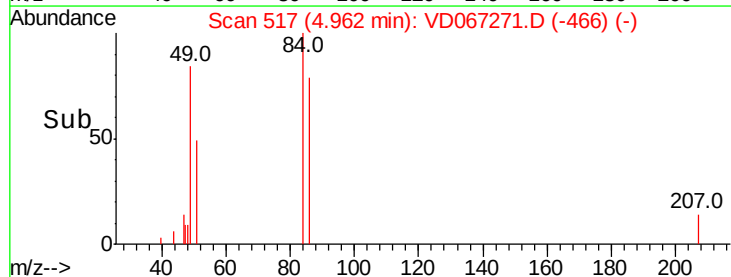
3000

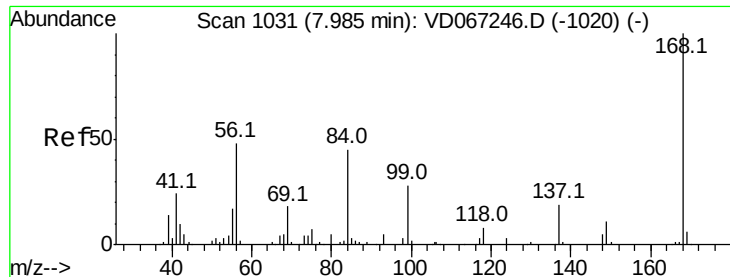
2000

1000

0

Time--> 4.85 4.90 4.95 5.00 5.05

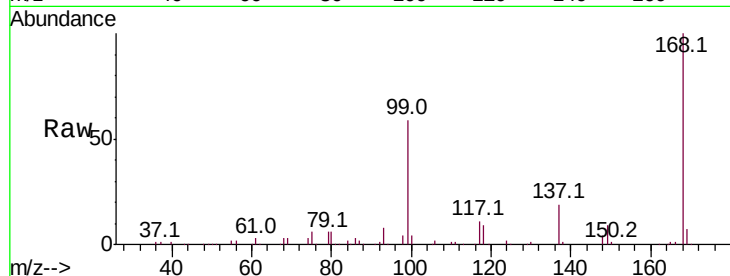




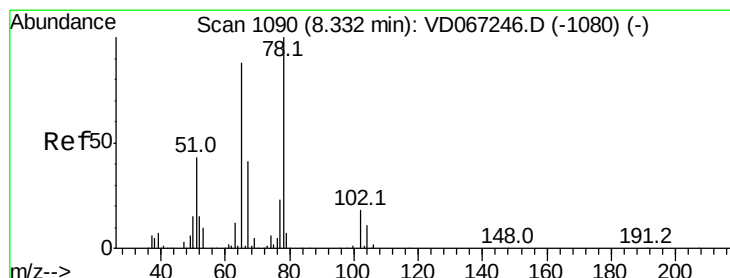
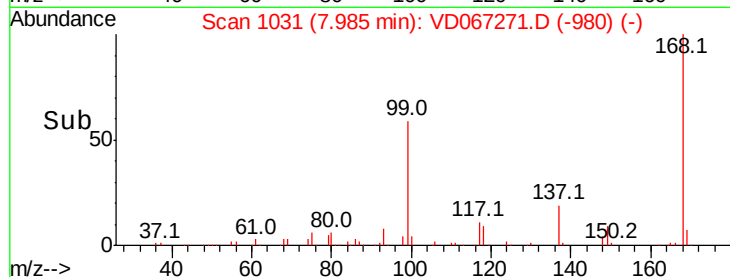
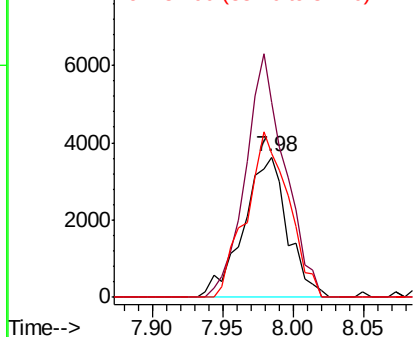
#31
Cyclohexane
Concen: 1.957 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-062-B

Tot Ion: 56 Resp: 7930
Ion Ratio Lower Upper
56 100
69 139.0 29.8 44.6#
84 102.3 76.6 114.8

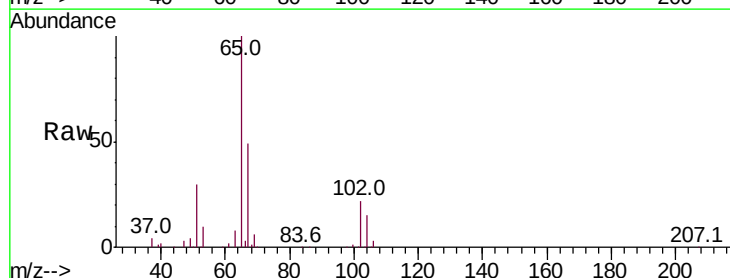


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

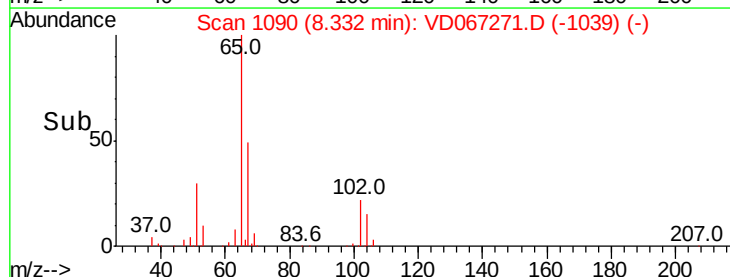
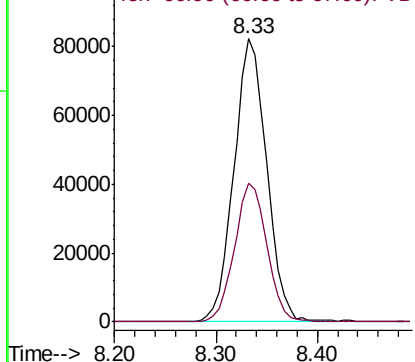


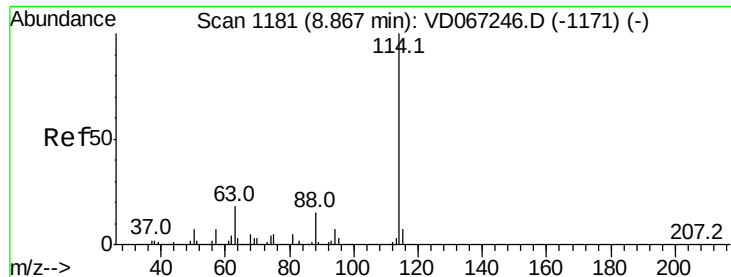
#33
1,2-Dichloroethane-d4
Concen: 52.378 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Tgt Ion: 65 Resp: 184252
Ion Ratio Lower Upper
65 100
67 48.6 0.0 103.8



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: VD067271.D

Acq: 14 Oct 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-062-B

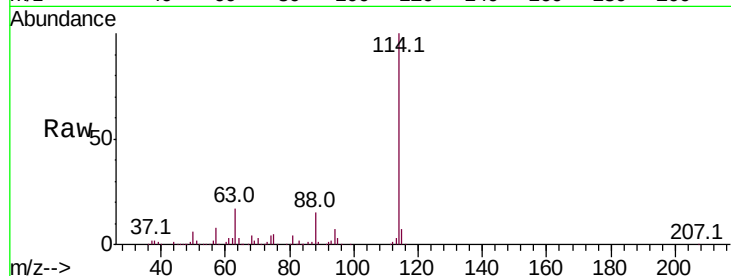
Tot Ion:114 Resp: 586213

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

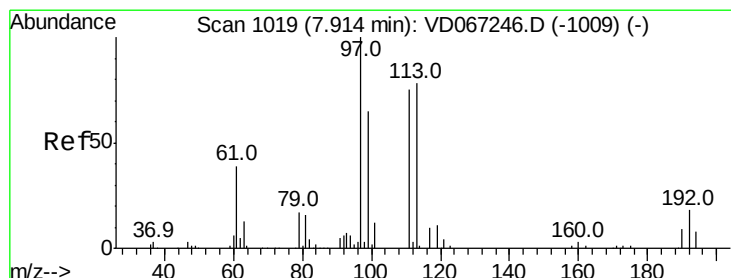
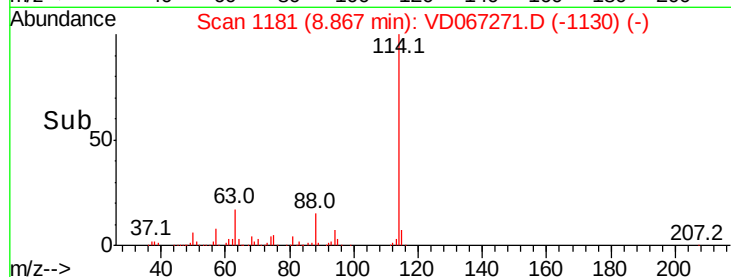
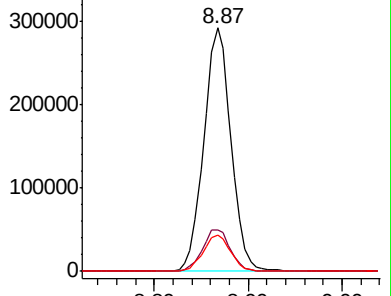
88 14.7 0.0 30.6



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: 49.273 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

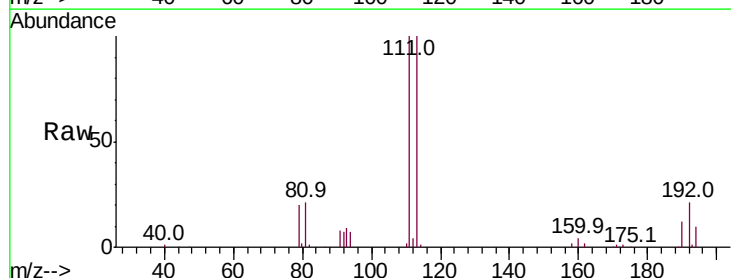
Tgt Ion:113 Resp: 192226

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

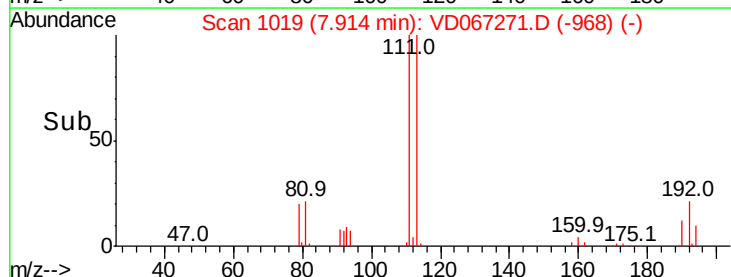
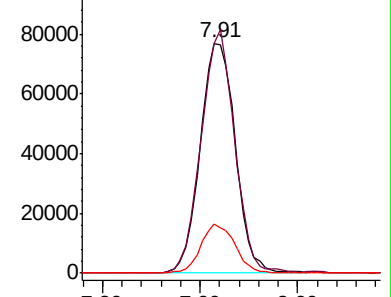
192 20.5 17.0 25.4

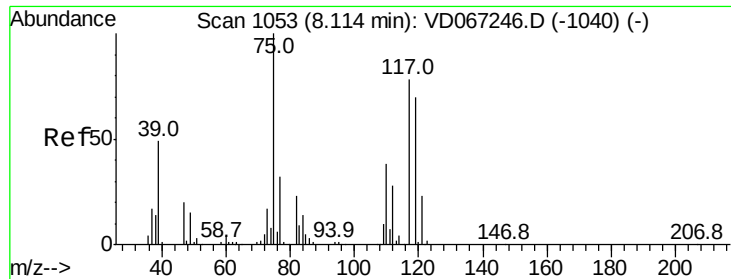


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.719 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-062-B

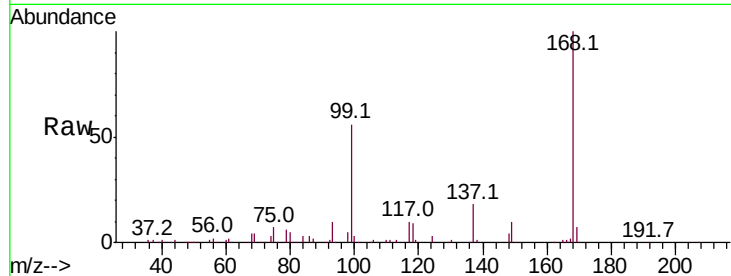
Tot Ion: 75 Resp: 23449

Ion Ratio Lower Upper

75 100

110 12.0 19.6 58.7#

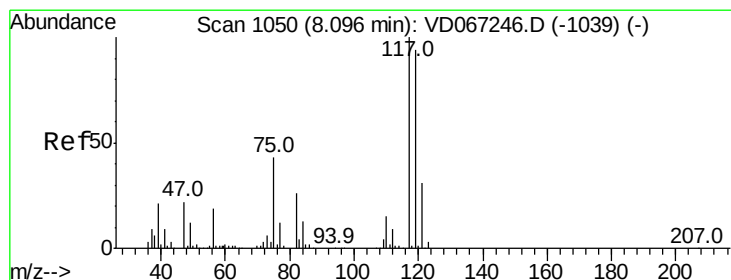
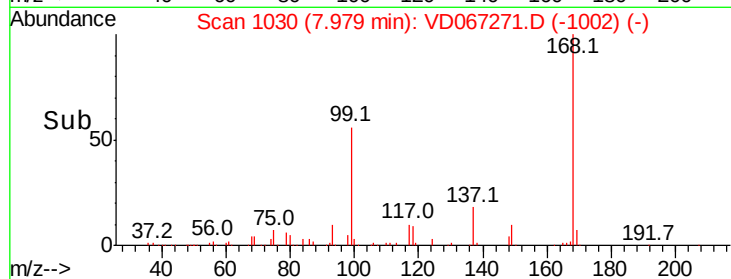
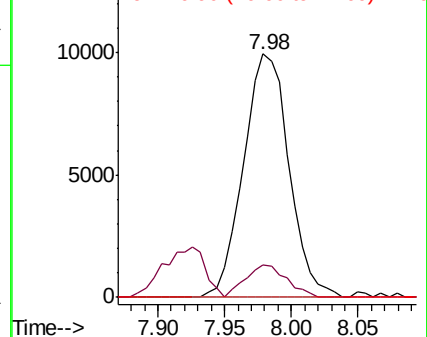
77 0.0 24.6 37.0#



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: 5.535 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

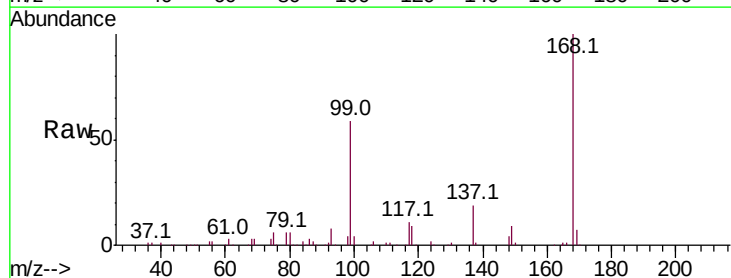
Tgt Ion: 117 Resp: 35149

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.4#

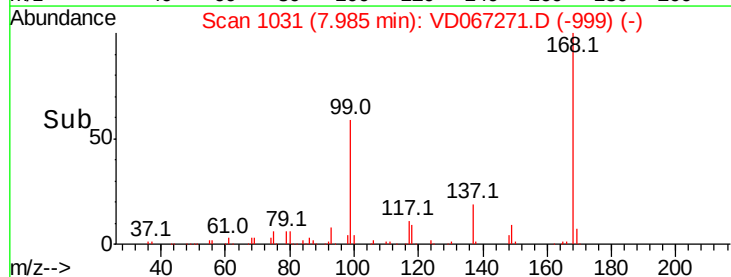
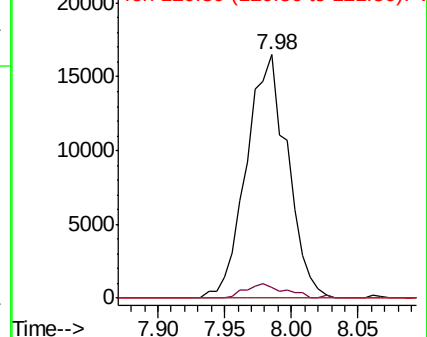
121 0.0 24.9 37.3#

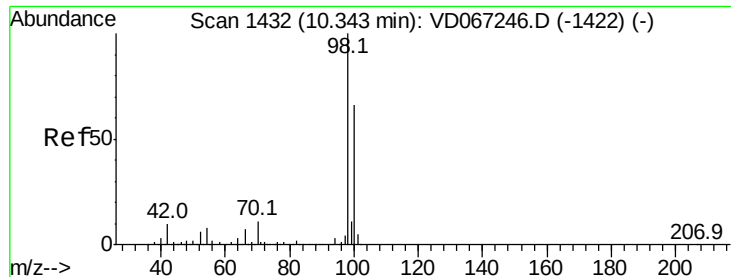


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

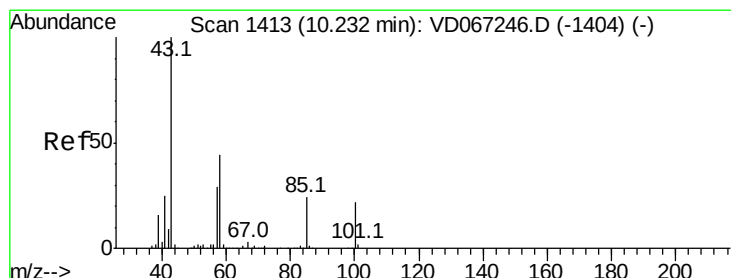
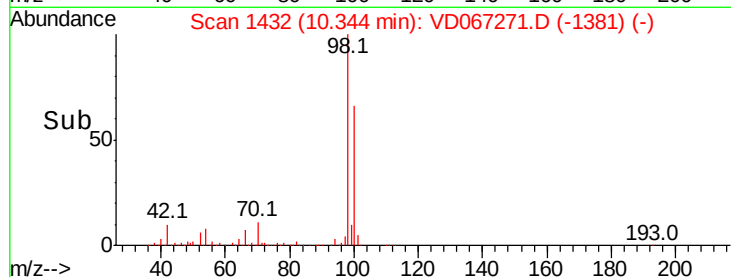
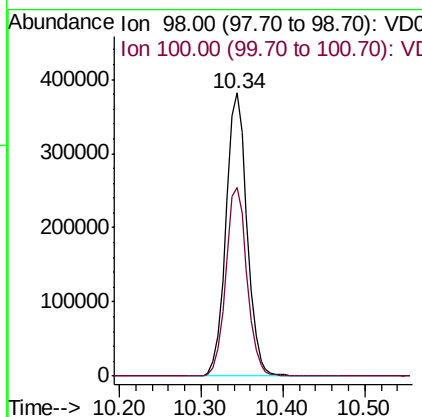
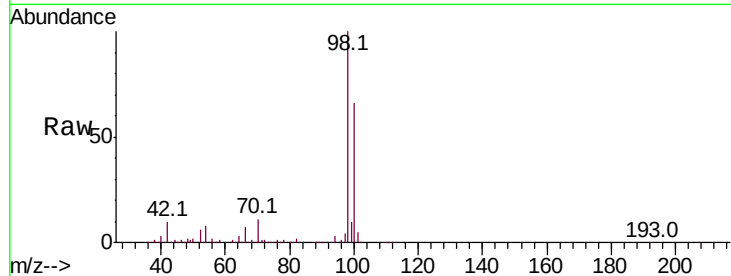




#50
Toluene-d8
Concen: 48.557 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

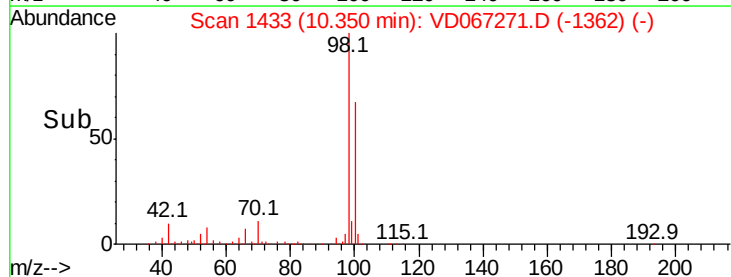
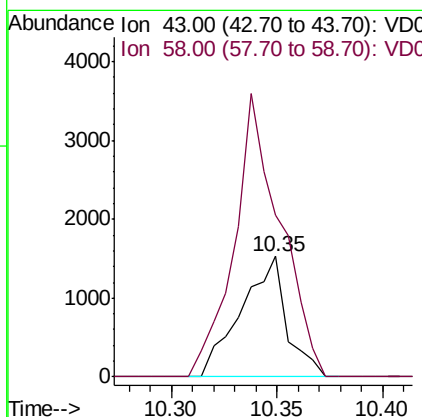
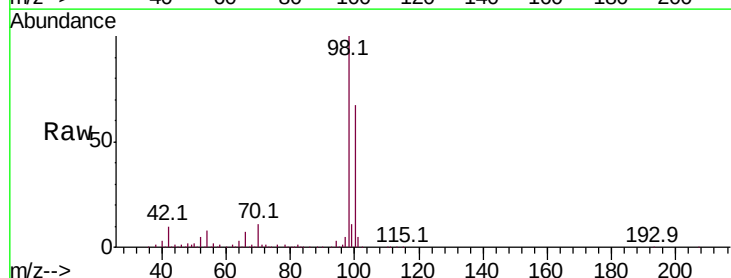
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-062-B

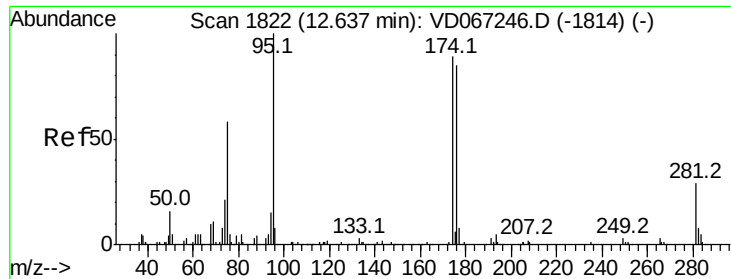
Tot Ion: 98 Resp: 685543
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.594 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
58 234.7 35.7 53.5#

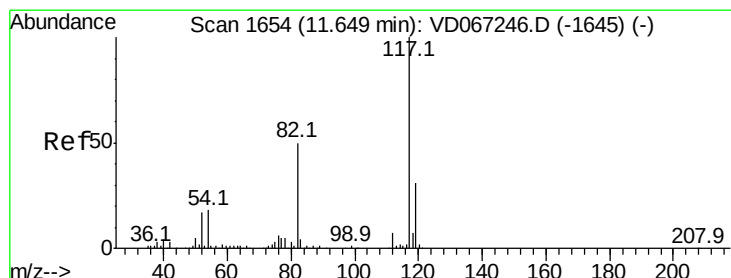
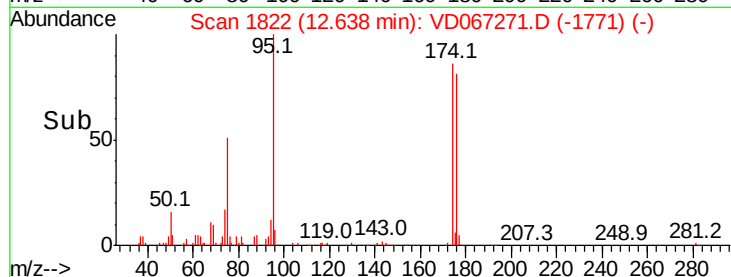
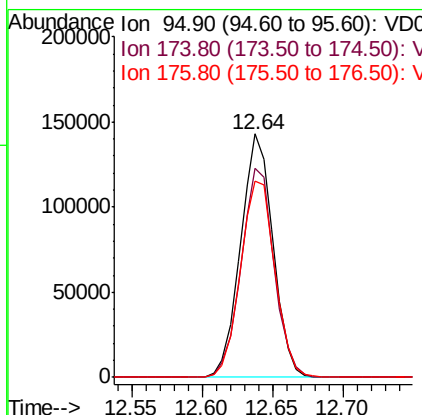
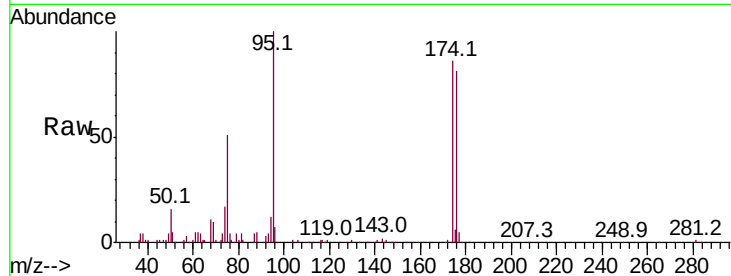




#62
4-Bromofluorobenzene
Concen: 46.858 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

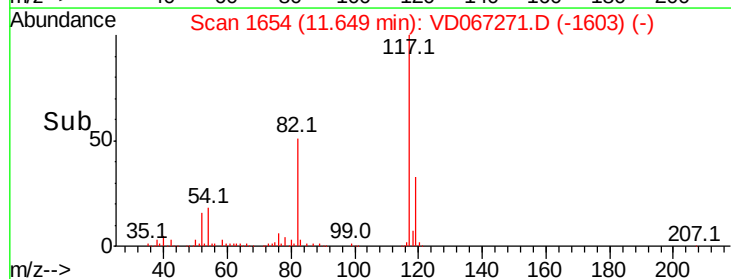
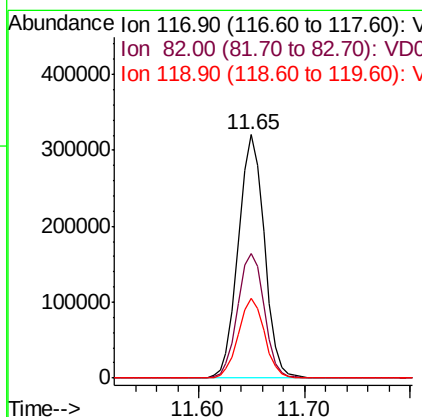
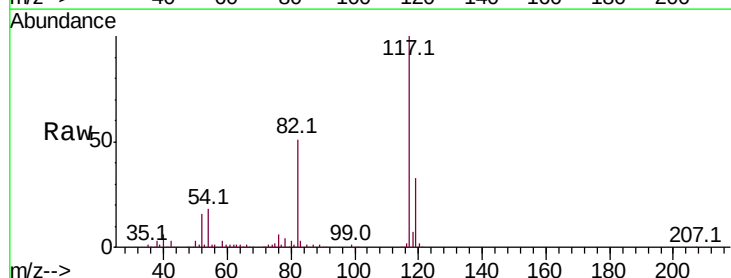
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-062-B

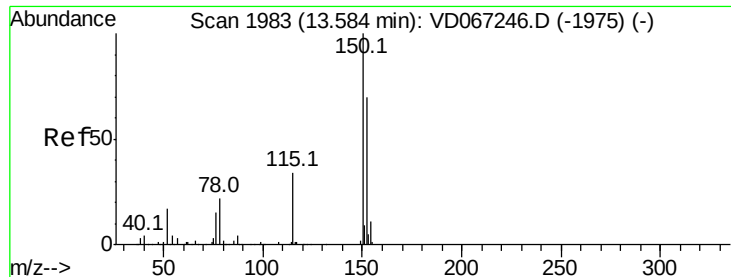
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.4	0.0	175.2
176	85.5	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.2	39.9	59.9
119	32.7	24.9	37.3



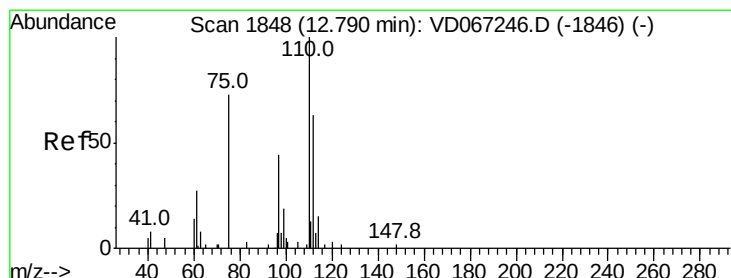
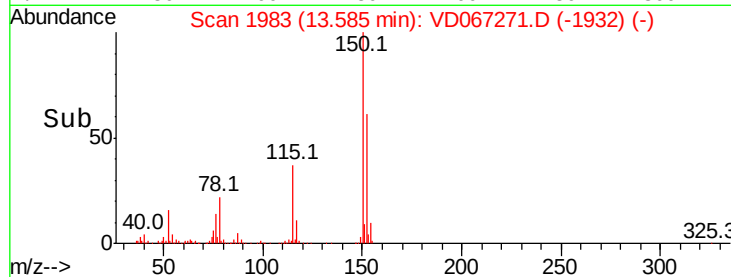
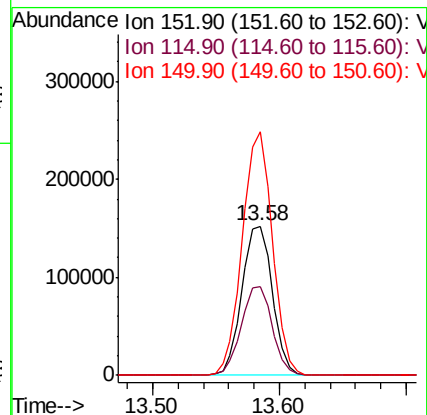
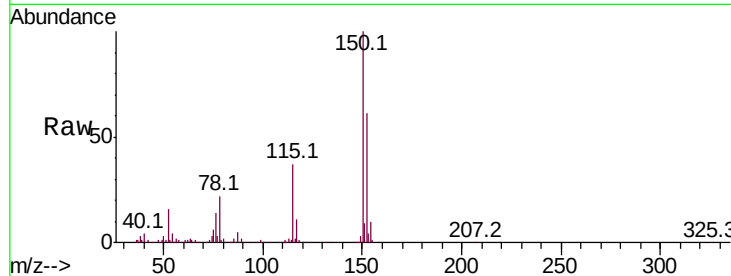


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-062-B

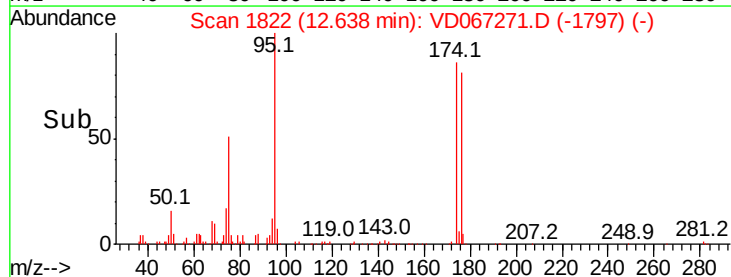
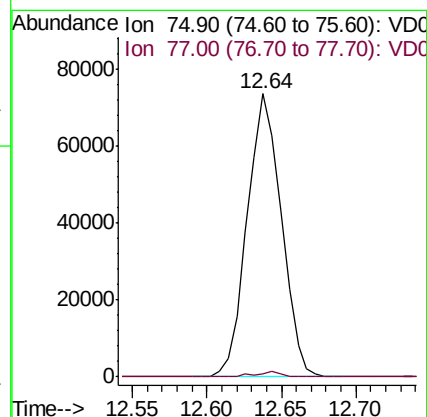
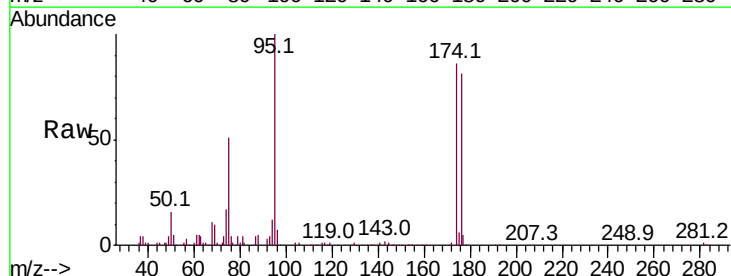
Tot Ion:152 Resp: 254680
Ion Ratio Lower Upper
152 100
115 60.3 29.3 87.9
150 161.0 0.0 339.0

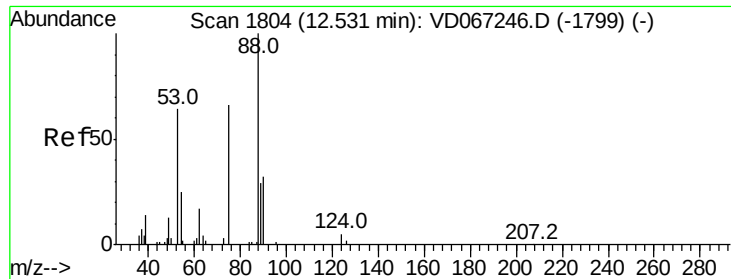


#76

1,2,3-Trichloropropane
Concen: 66.016 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067271.D
Acq: 14 Oct 2020 17:06

Tgt Ion: 75 Resp: 116529
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 149.704 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067271.D

Acq: 14 Oct 2020 17:06

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-062-B

Tot Ion: 75 Resp: 116529

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

