

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067647.D
 Acq On : 16 Nov 2020 18:08
 Operator : VA/SY
 Sample : L4734-02RE
 Misc : 4.10G/5.01ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BARNUM-STREET-TEST-PIT-2RE

Quant Time: Nov 17 01:09:23 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	7.98	168	224053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	371323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	358997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	138572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	125052	63.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.66%	
35) Dibromofluoromethane	7.92	113	124029	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.34	98	438630	55.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.58%	
62) 4-Bromofluorobenzene	12.64	95	142012	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

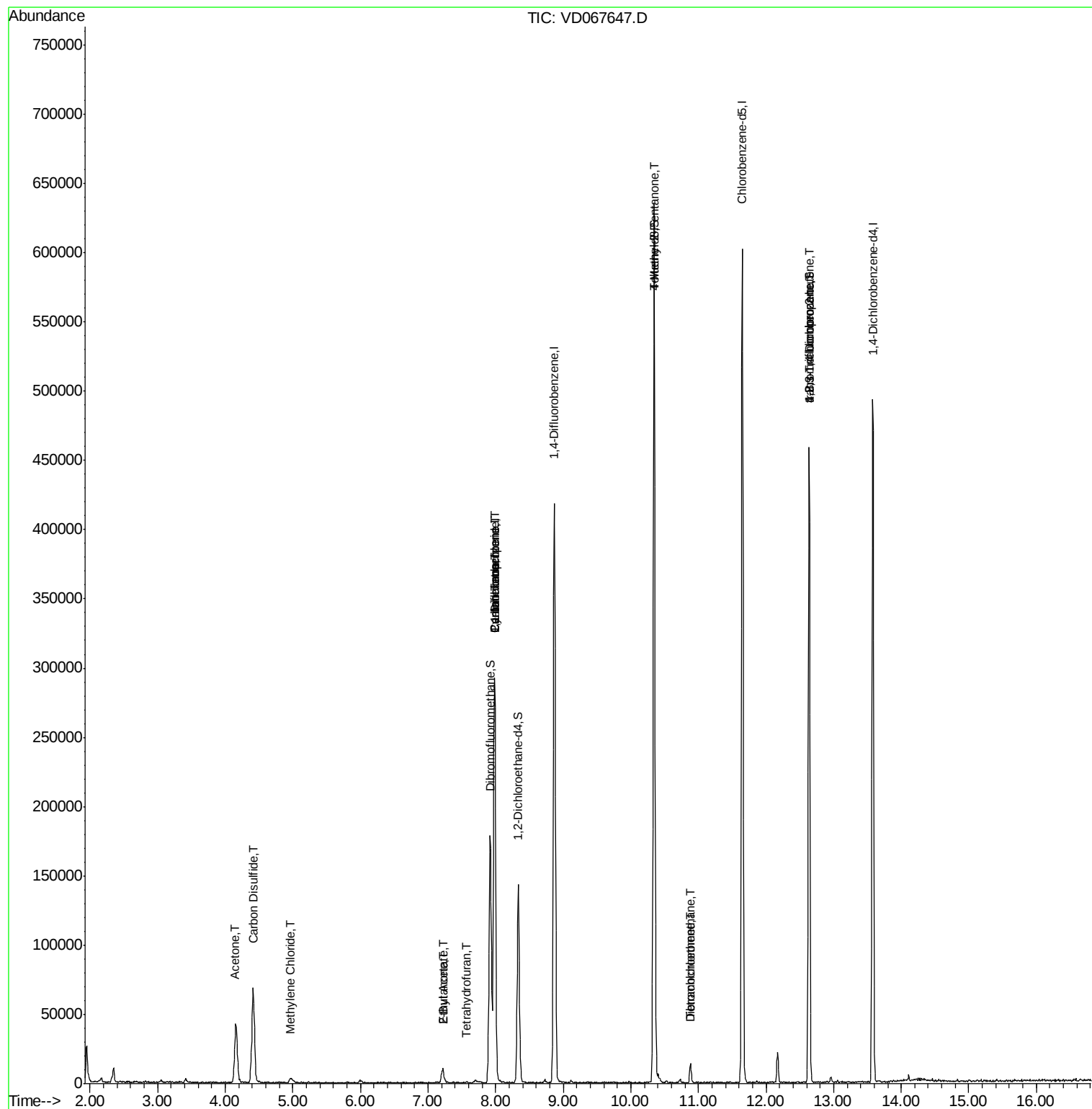
						Qvalue
16) Acetone	4.16	43	76137	259.704	ug/l	97
17) Carbon Disulfide	4.41	76	141855	24.755	ug/l	99
20) Methylene Chloride	4.96	84	3165	1.528	ug/l #	80
25) 2-Butanone	7.22	43	14687	46.885	ug/l #	74
29) Tetrahydrofuran	7.58	42	243	1.295	ug/l #	52
31) Cyclohexane	7.98	56	4736	1.667	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	15204	4.783	ug/l #	50
37) Ethyl Acetate	7.22	43	14687	17.798	ug/l #	63
38) Carbon Tetrachloride	7.99	117	22353	5.413	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	1628	2.086	ug/l #	1
60) Dibromochloromethane	10.87	129	3194	1.379	ug/l #	11
64) Tetrachloroethene	10.88	164	2990	1.125	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	74143	88.694	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	74143	180.072	ug/l #	10

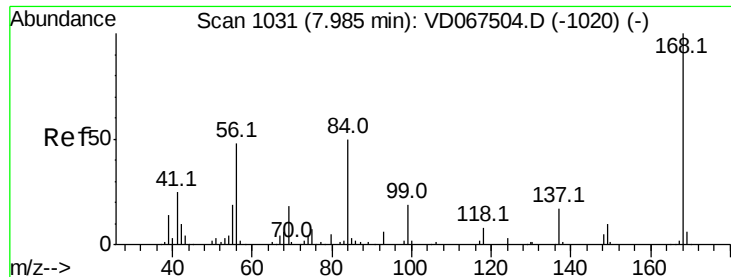
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

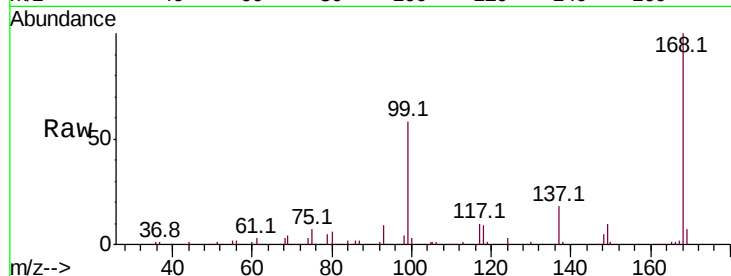
BARNUM-STREET-TEST-PIT-2RE

Tot Ion:168 Resp: 224053

Ion Ratio Lower Upper

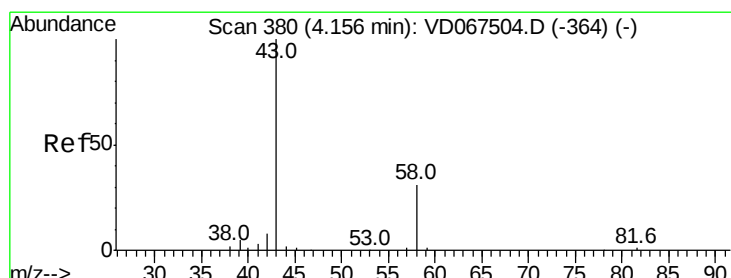
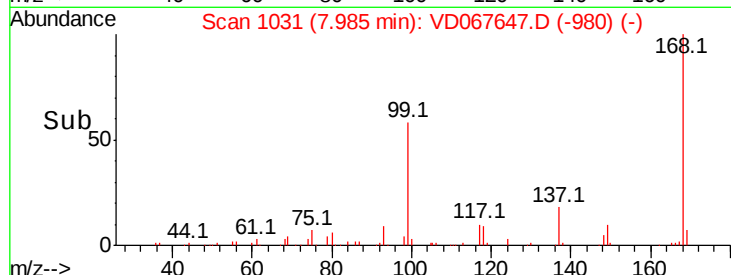
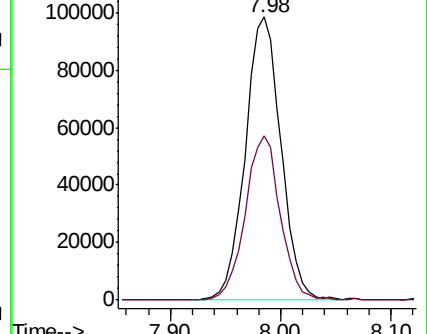
168 100

99 57.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 259.704 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067647.D

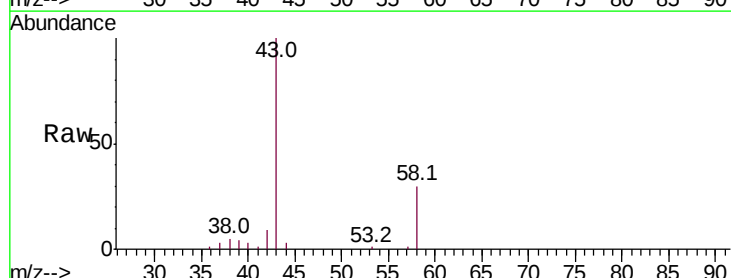
Acq: 16 Nov 2020 18:08

Tgt Ion: 43 Resp: 76137

Ion Ratio Lower Upper

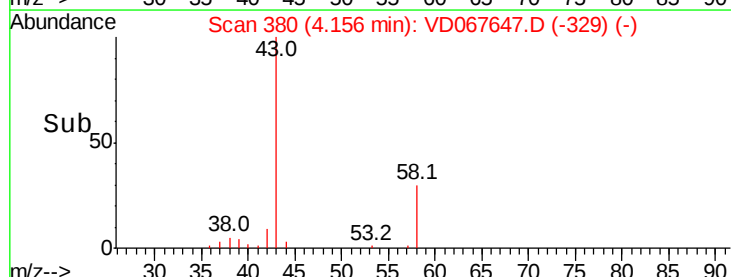
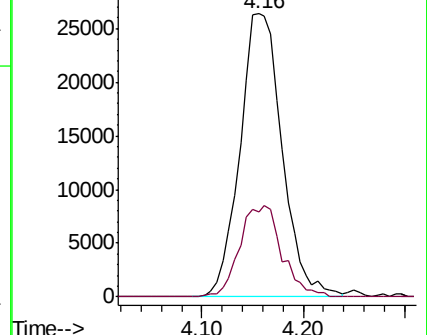
43 100

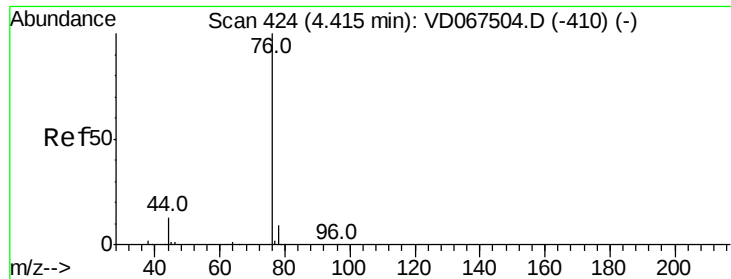
58 30.0 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

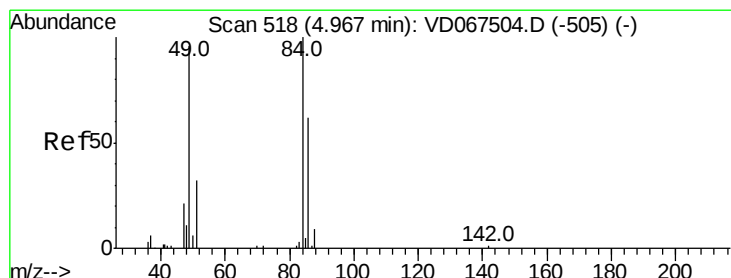
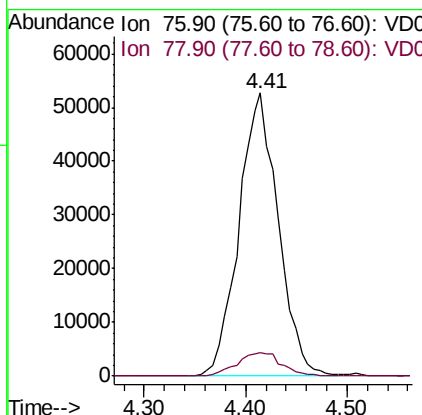
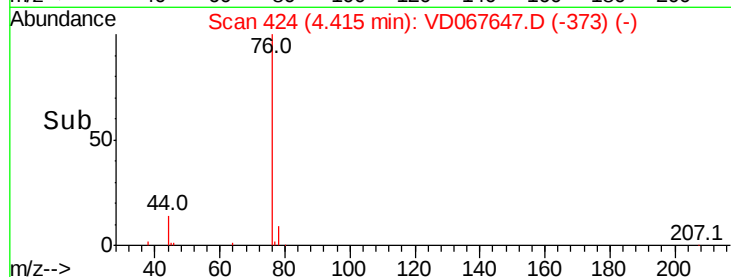
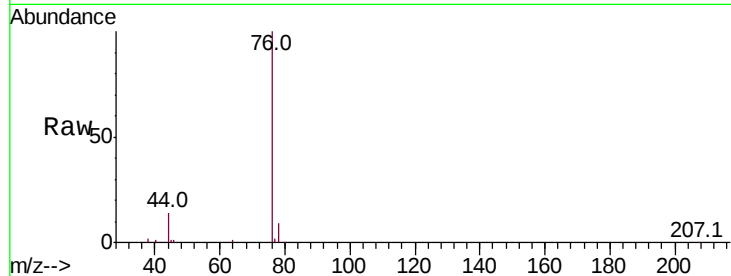




#17
Carbon Disulfide
Concen: 24.755 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

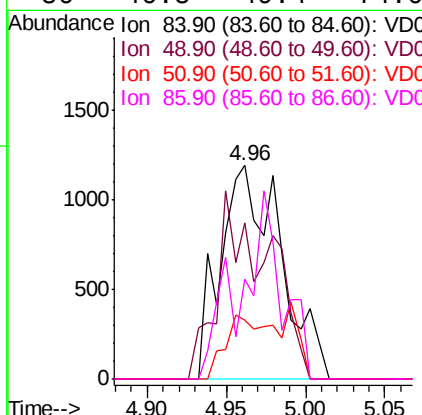
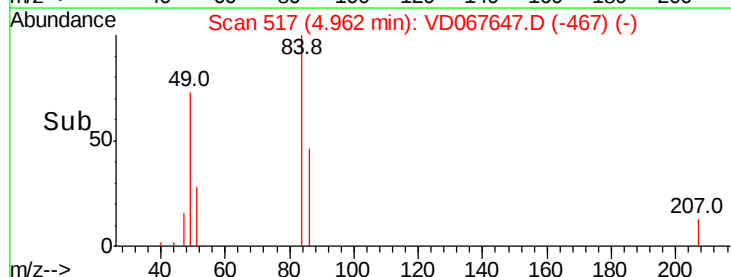
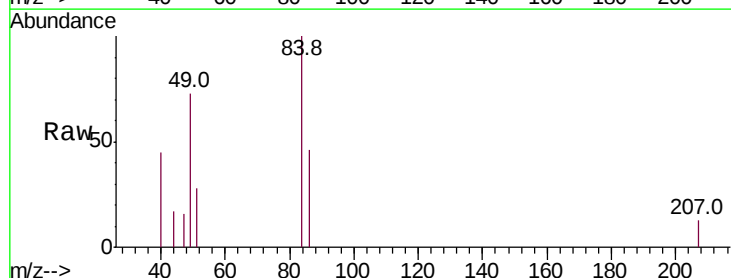
Instrument :
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ClientSampleId :
BARNUM-STREET-TEST-PIT-2RE

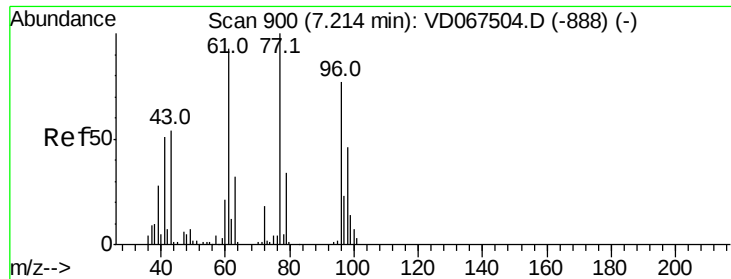
Tot Ion: 76 Resp: 141855
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8



#20
Methylene Chloride
Concen: 1.528 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

Tgt Ion: 84 Resp: 3165
Ion Ratio Lower Upper
84 100
49 73.4 77.0 115.4#
51 27.6 25.4 38.2
86 46.5 49.4 74.0#





#25

2-Butanone

Concen: 46.885 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

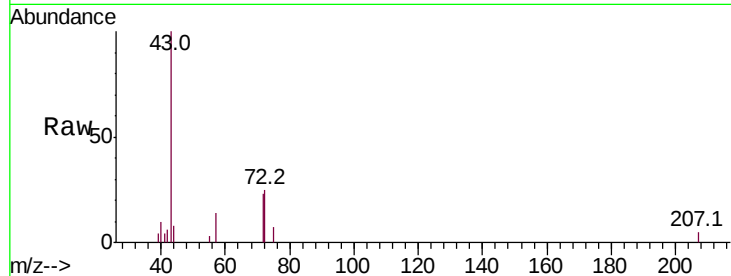
BARNUM-STREET-TEST-PIT-2RE

Tot Ion: 43 Resp: 14687

Ion Ratio Lower Upper

43 100

72 48.0 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

6000

5000

4000

3000

2000

1000

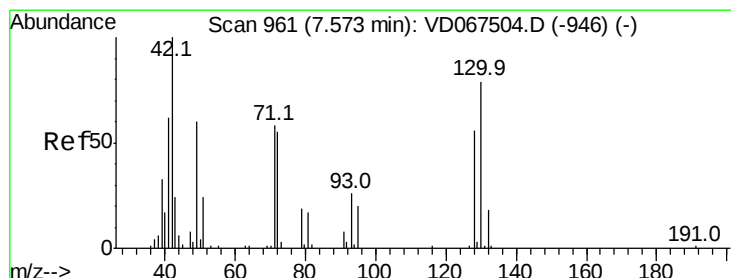
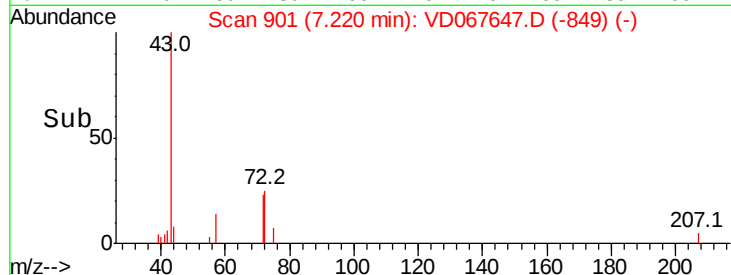
0

7.10

7.20

7.30

Time-->



#29

Tetrahydrofuran

Concen: 1.295 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

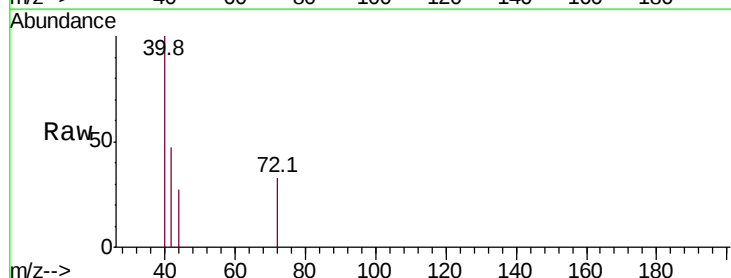
Tgt Ion: 42 Resp: 243

Ion Ratio Lower Upper

42 100

72 95.1 46.3 69.5#

71 22.2 44.0 66.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

400

300

200

100

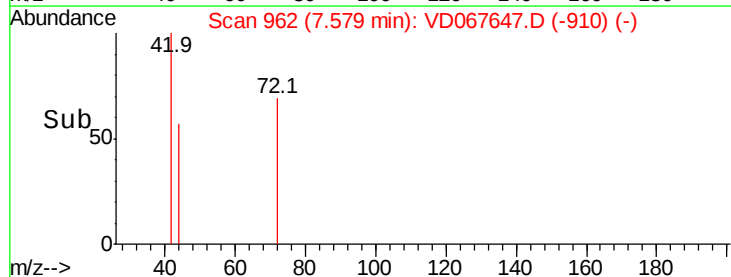
0

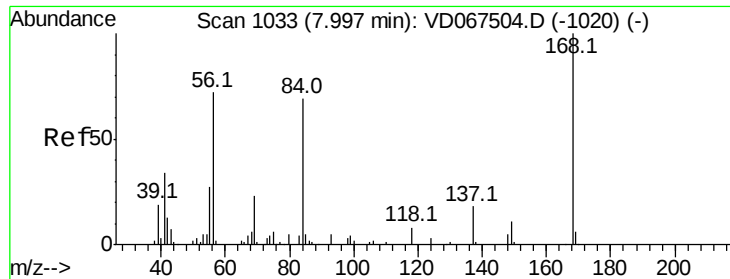
7.56

7.58

7.60

Time-->

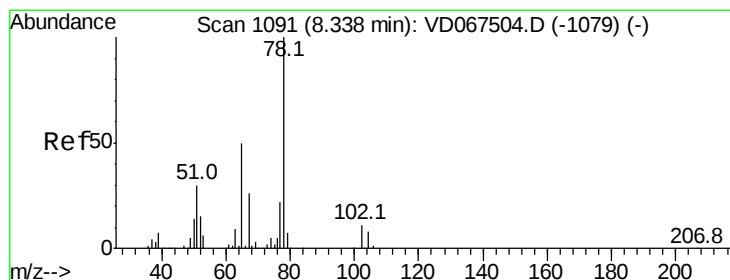
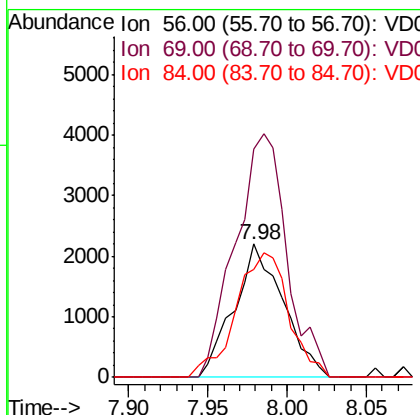
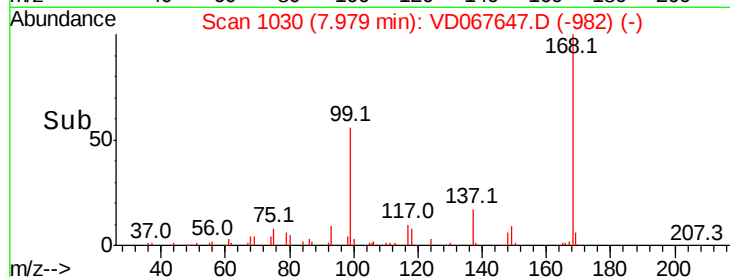
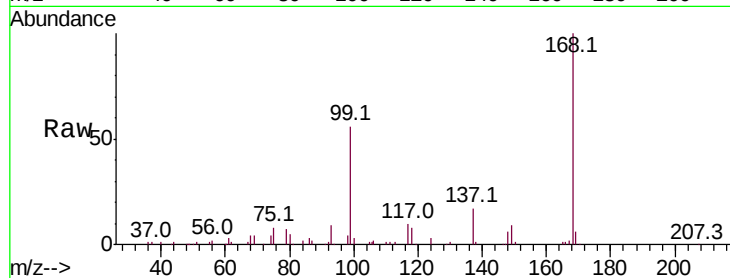




#31
Cyclohexane
Concen: 1.667 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

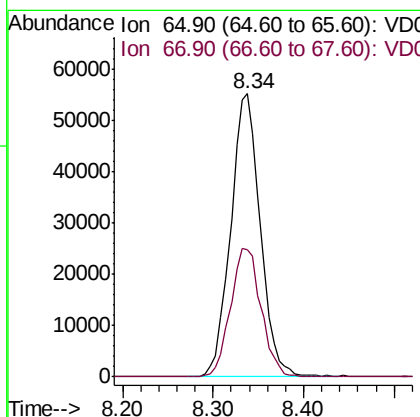
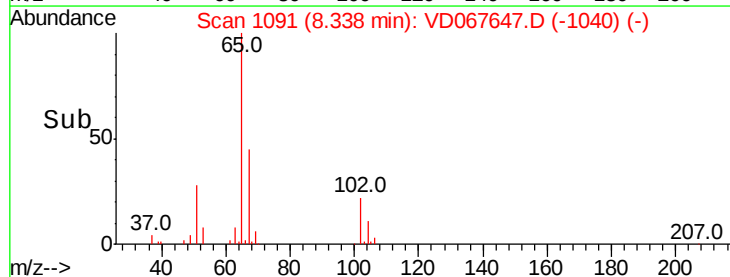
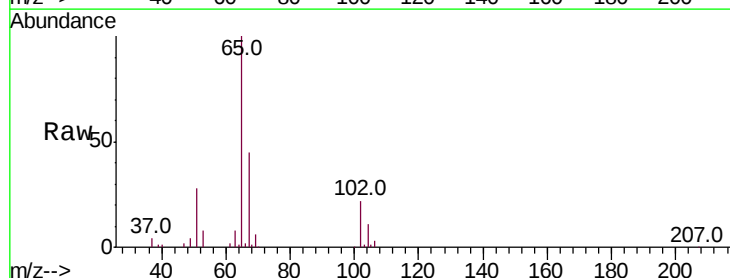
Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-2RE

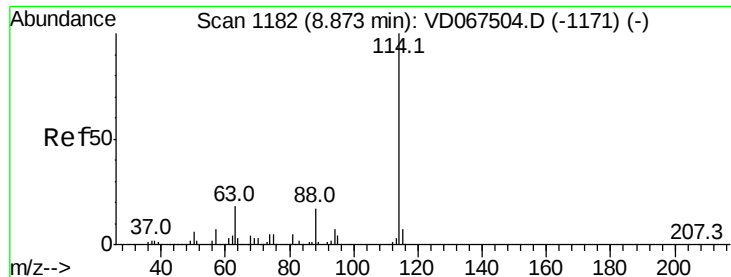
Tot Ion: 56 Resp: 4736
Ion Ratio Lower Upper
56 100
69 171.0 25.9 38.9#
84 80.7 76.2 114.4



#33
1,2-Dichloroethane-d4
Concen: 63.831 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

Tgt Ion: 65 Resp: 125052
Ion Ratio Lower Upper
65 100
67 46.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-2RE

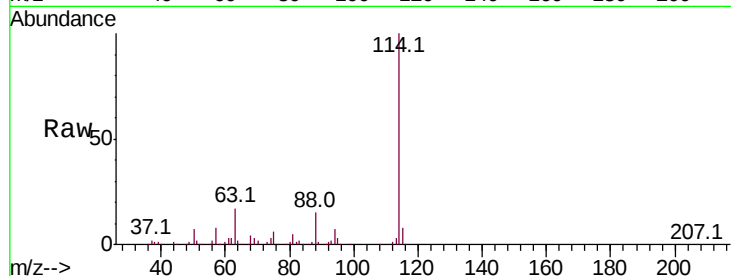
Tot Ion:114 Resp: 371323

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

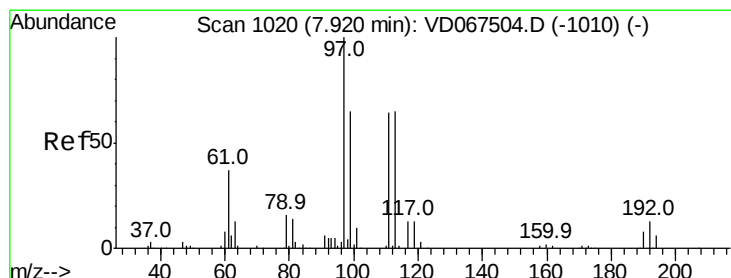
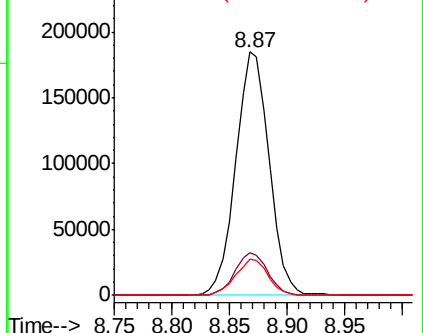
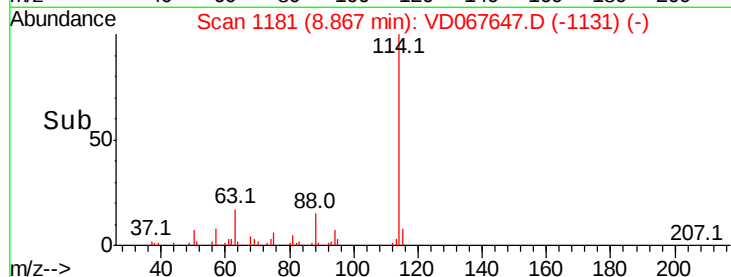
88 14.9 0.0 33.0



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: 55.439 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

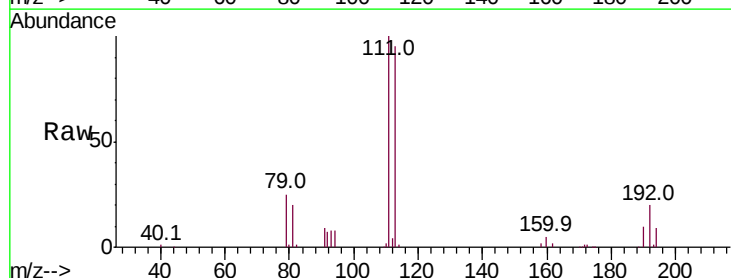
Tgt Ion:113 Resp: 124029

Ion Ratio Lower Upper

113 100

111 100.4 80.0 120.0

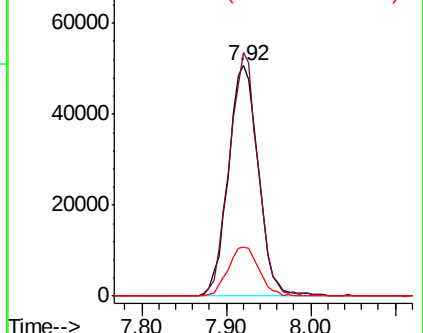
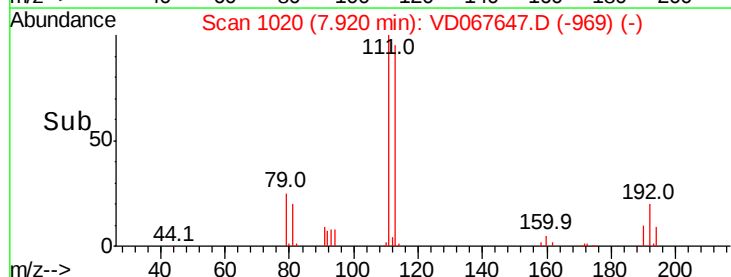
192 21.6 16.3 24.5

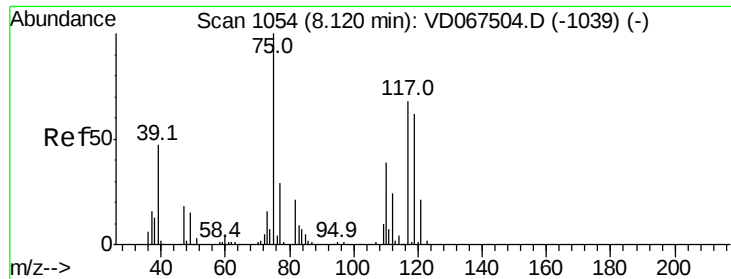


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

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MSVOA_D

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BARNUM-STREET-TEST-PIT-2RE

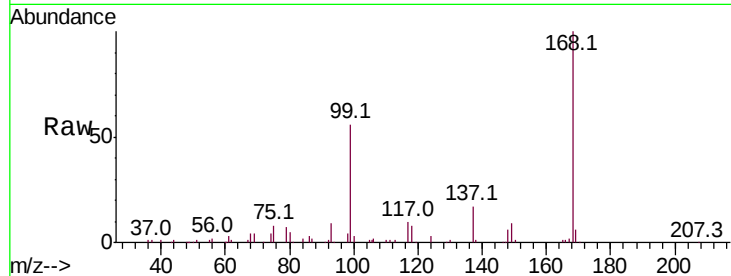
Tot Ion: 75 Resp: 15204

Ion Ratio Lower Upper

75 100

110 11.8 19.9 59.7#

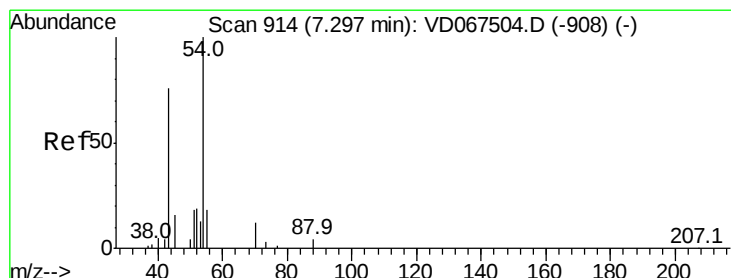
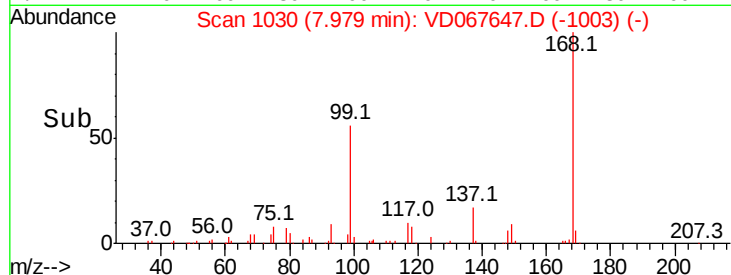
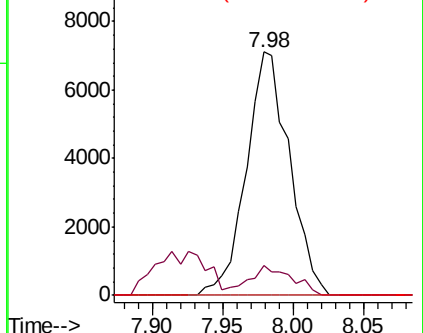
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 17.798 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.08 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

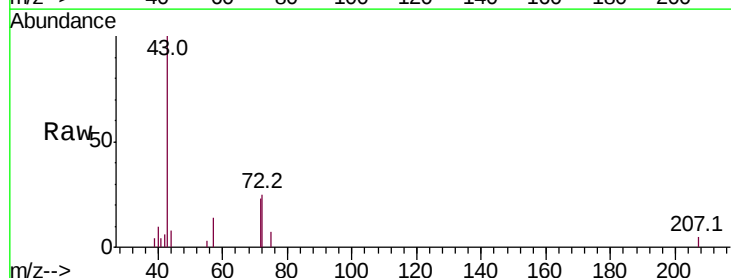
Tgt Ion: 43 Resp: 14687

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

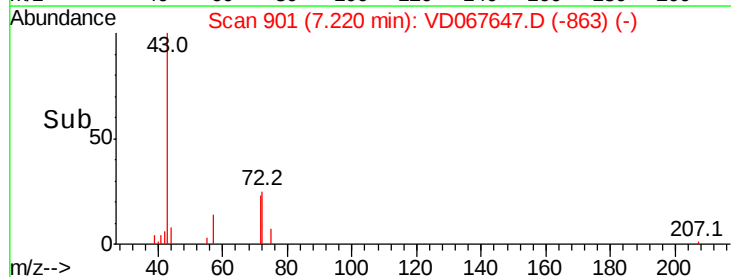
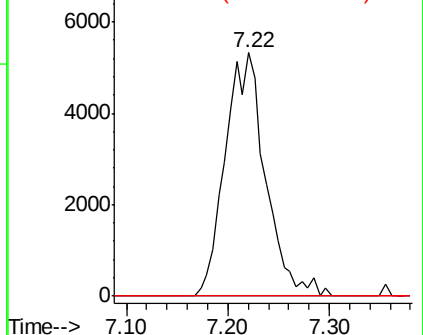
70 0.0 11.7 17.5#

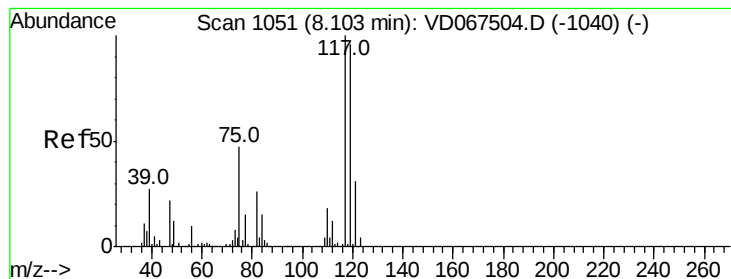


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.413 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-2RE

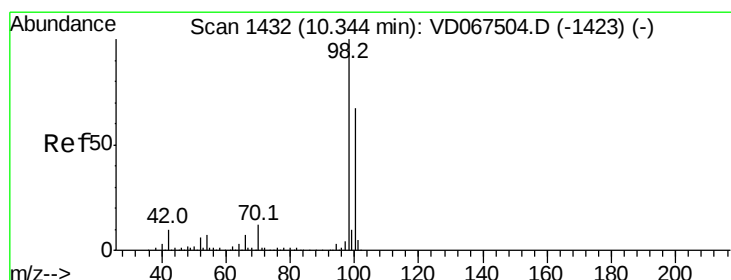
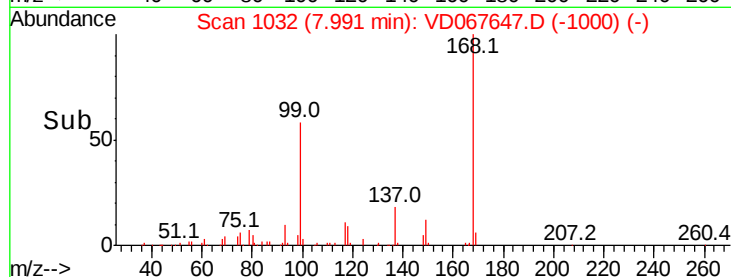
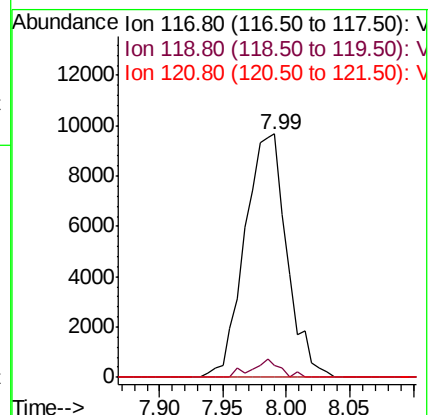
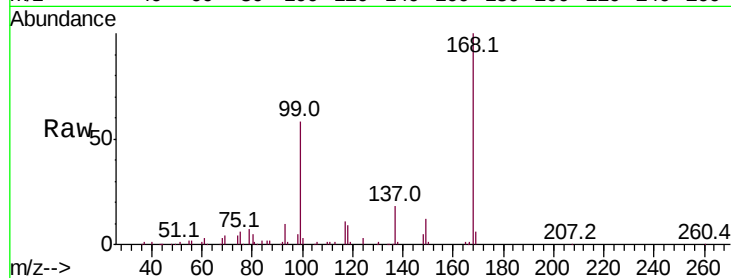
Tot Ion:117 Resp: 22353

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 55.791 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067647.D

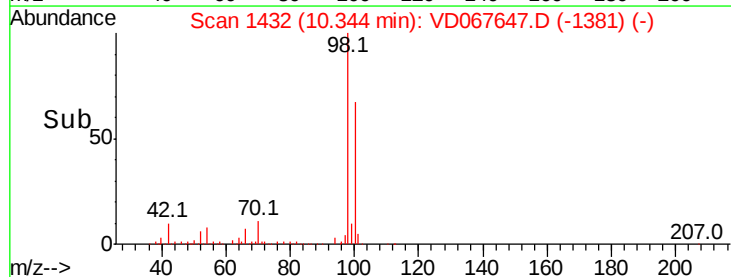
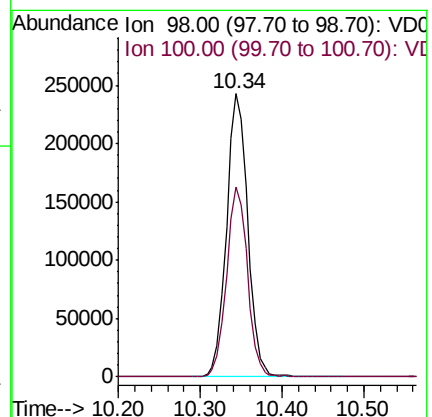
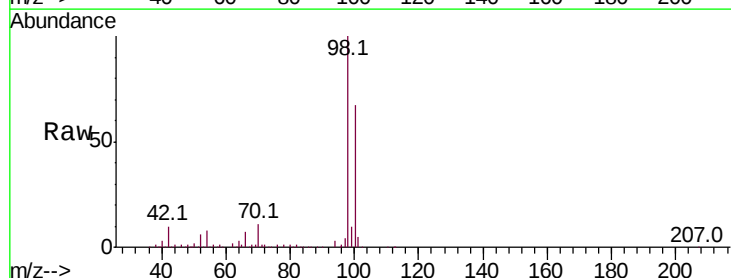
Acq: 16 Nov 2020 18:08

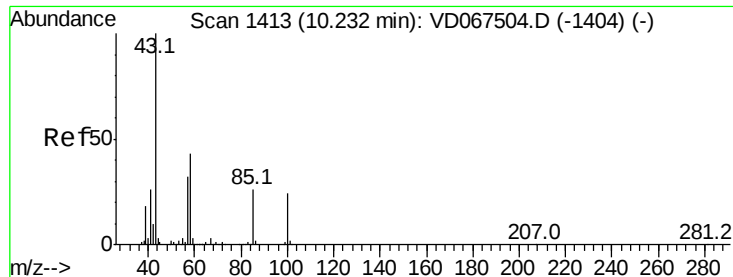
Tgt Ion: 98 Resp: 438630

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 2.086 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

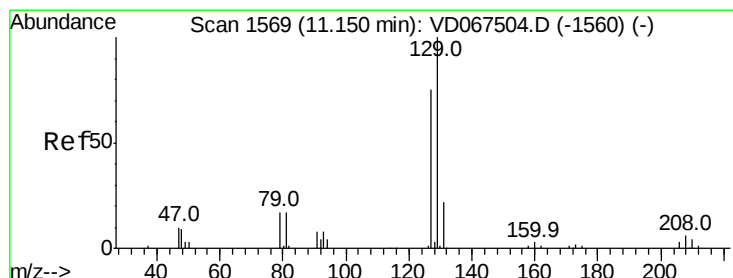
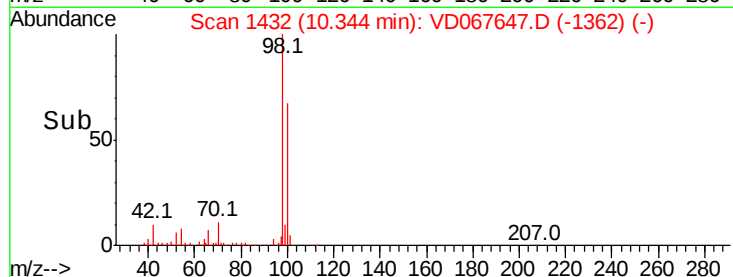
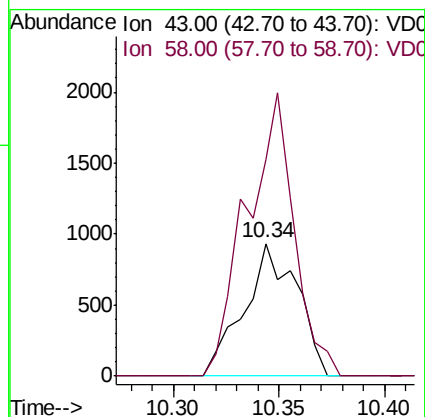
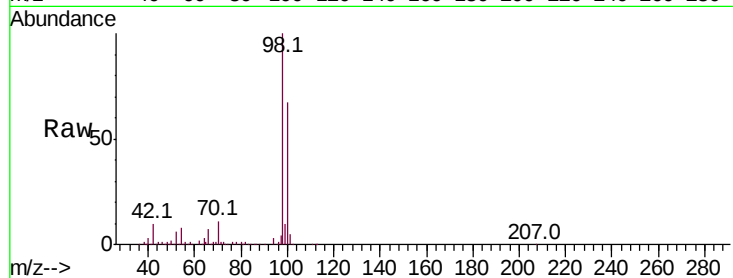
BARNUM-STREET-TEST-PIT-2RE

Tot Ion: 43 Resp: 1628

Ion Ratio Lower Upper

43 100

58 191.1 35.6 53.4#



#60

Dibromochloromethane

Concen: 1.379 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.28 min

Lab File: VD067647.D

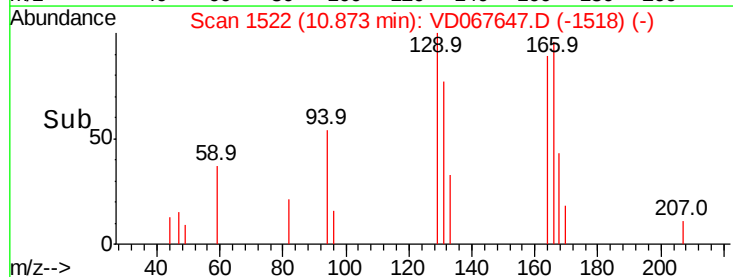
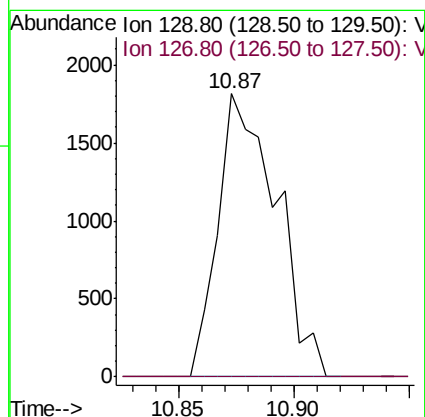
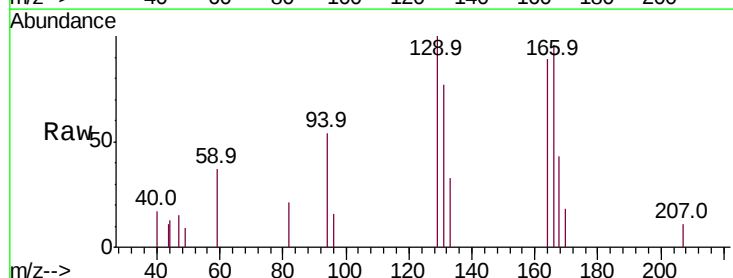
Acq: 16 Nov 2020 18:08

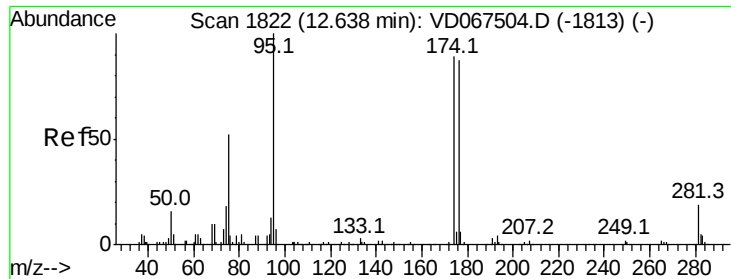
Tgt Ion: 129 Resp: 3194

Ion Ratio Lower Upper

129 100

127 0.0 38.0 114.1#

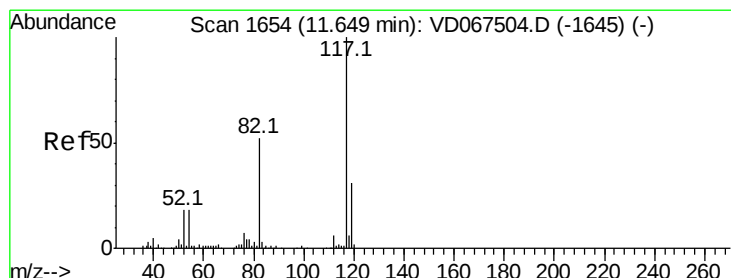
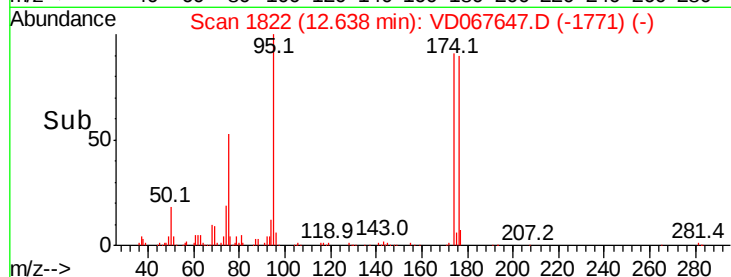
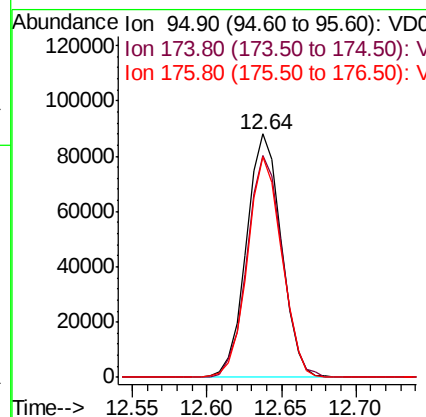
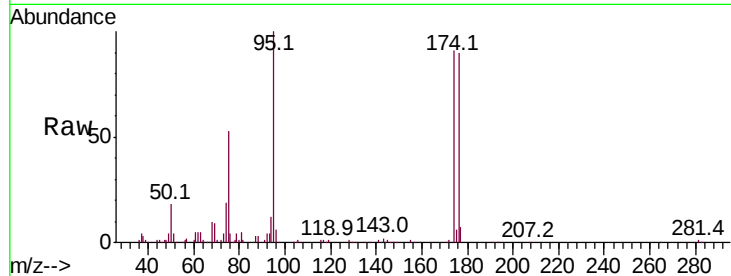




#62
4-Bromofluorobenzene
Concen: 52.319 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

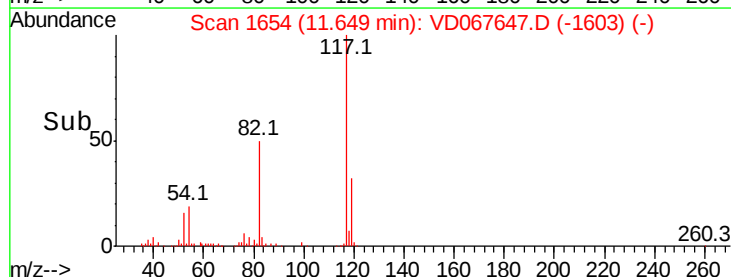
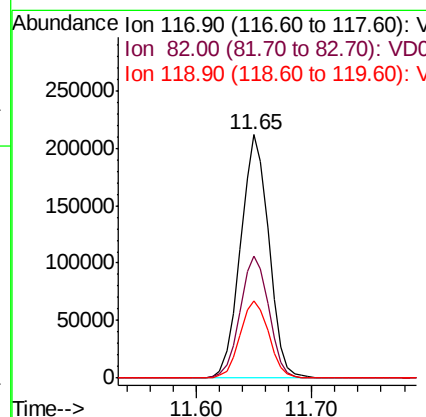
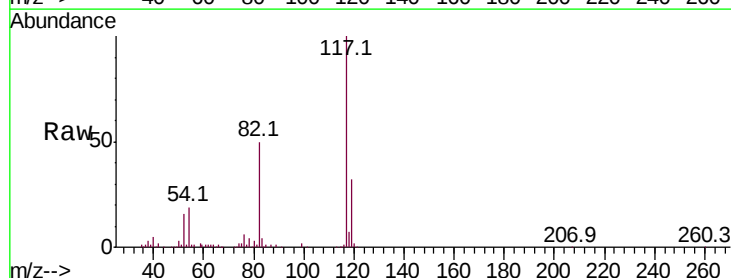
Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-2RE

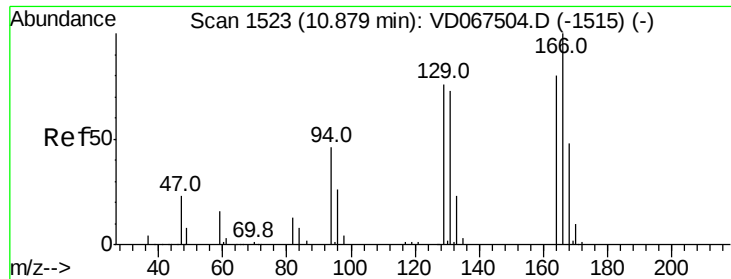
Tot Ion: 95 Resp: 142012
Ion Ratio Lower Upper
95 100
174 91.8 0.0 177.8
176 89.1 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

Tgt Ion: 117 Resp: 358997
Ion Ratio Lower Upper
117 100
82 50.3 41.6 62.4
119 31.6 25.1 37.7

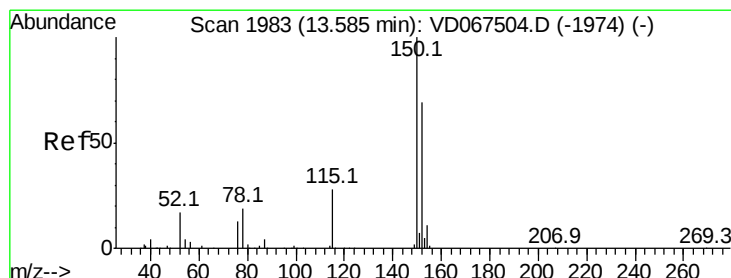
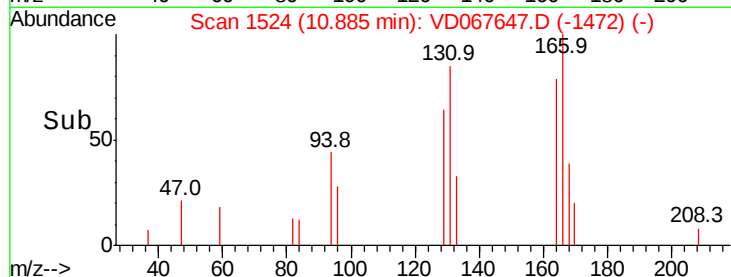
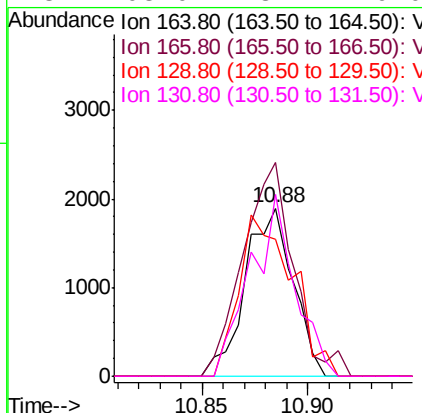
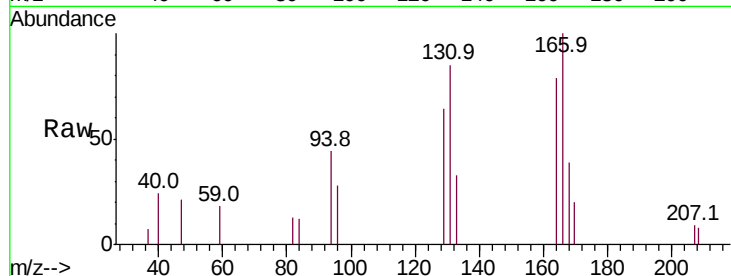




#64
Tetrachloroethene
Concen: 1.125 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

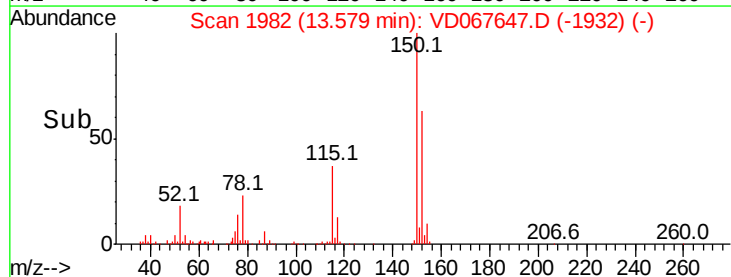
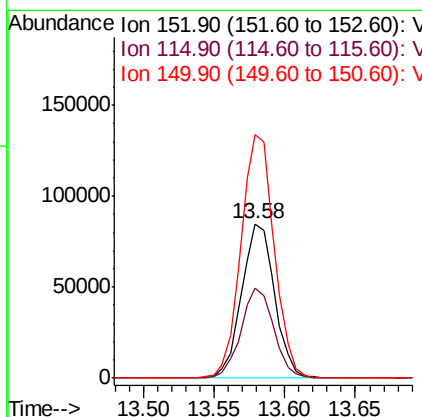
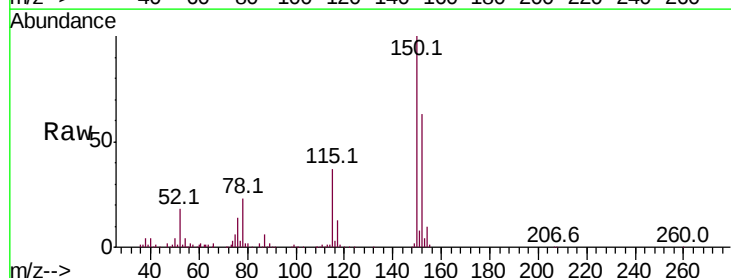
Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-2RE

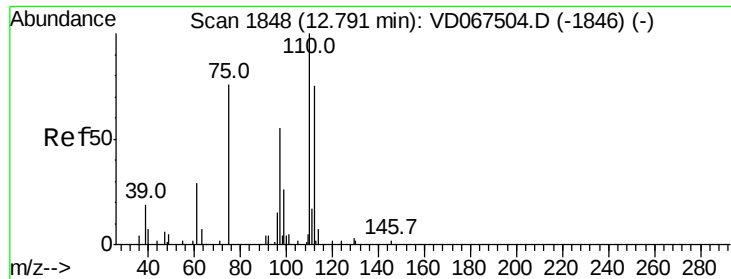
Tot Ion:164 Resp: 2990
Ion Ratio Lower Upper
164 100
166 127.2 99.9 149.9
129 81.3 75.5 113.3
131 108.0 73.4 110.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067647.D
Acq: 16 Nov 2020 18:08

Tgt Ion:152 Resp: 138572
Ion Ratio Lower Upper
152 100
115 58.1 29.3 88.0
150 158.5 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 88.694 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

Instrument :

MSVOA_D

ClientSampleId :

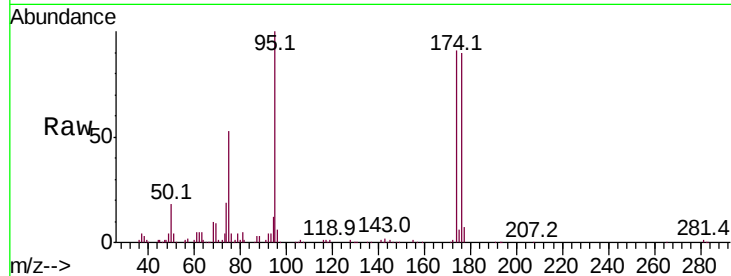
BARNUM-STREET-TEST-PIT-2RE

Tot Ion: 75 Resp: 74143

Ion Ratio Lower Upper

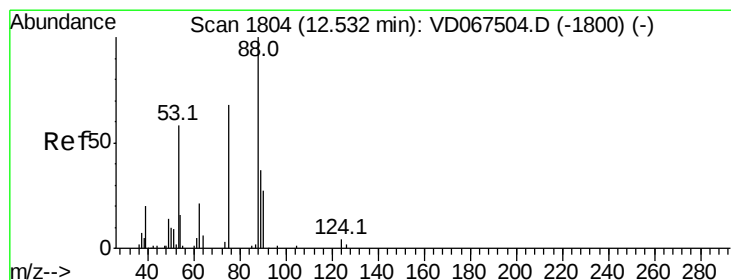
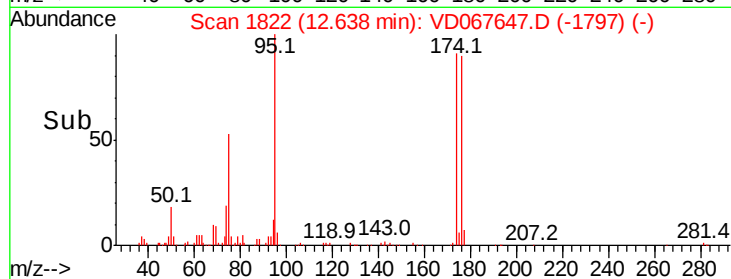
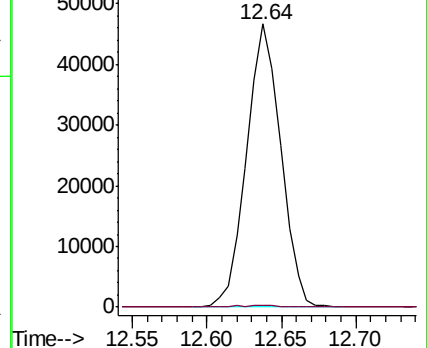
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 180.072 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067647.D

Acq: 16 Nov 2020 18:08

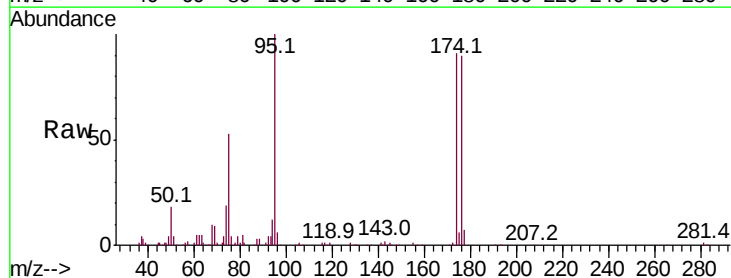
Tgt Ion: 75 Resp: 74143

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 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

