

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067635.D
 Acq On : 16 Nov 2020 12:40
 Operator : VA/SY
 Sample : L4734-01
 Misc : 5.11G/5.01ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BARNUM-STREET-TEST-PIT-1

Quant Time: Nov 17 01:07:09 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	277392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	431107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	441143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195238	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	134198	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	
35) Dibromofluoromethane	7.92	113	133721	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	10.34	98	510822	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
62) 4-Bromofluorobenzene	12.64	95	192110	60.96	ug/l	0.00
Spiked Amount			Recovery	=	121.92%	

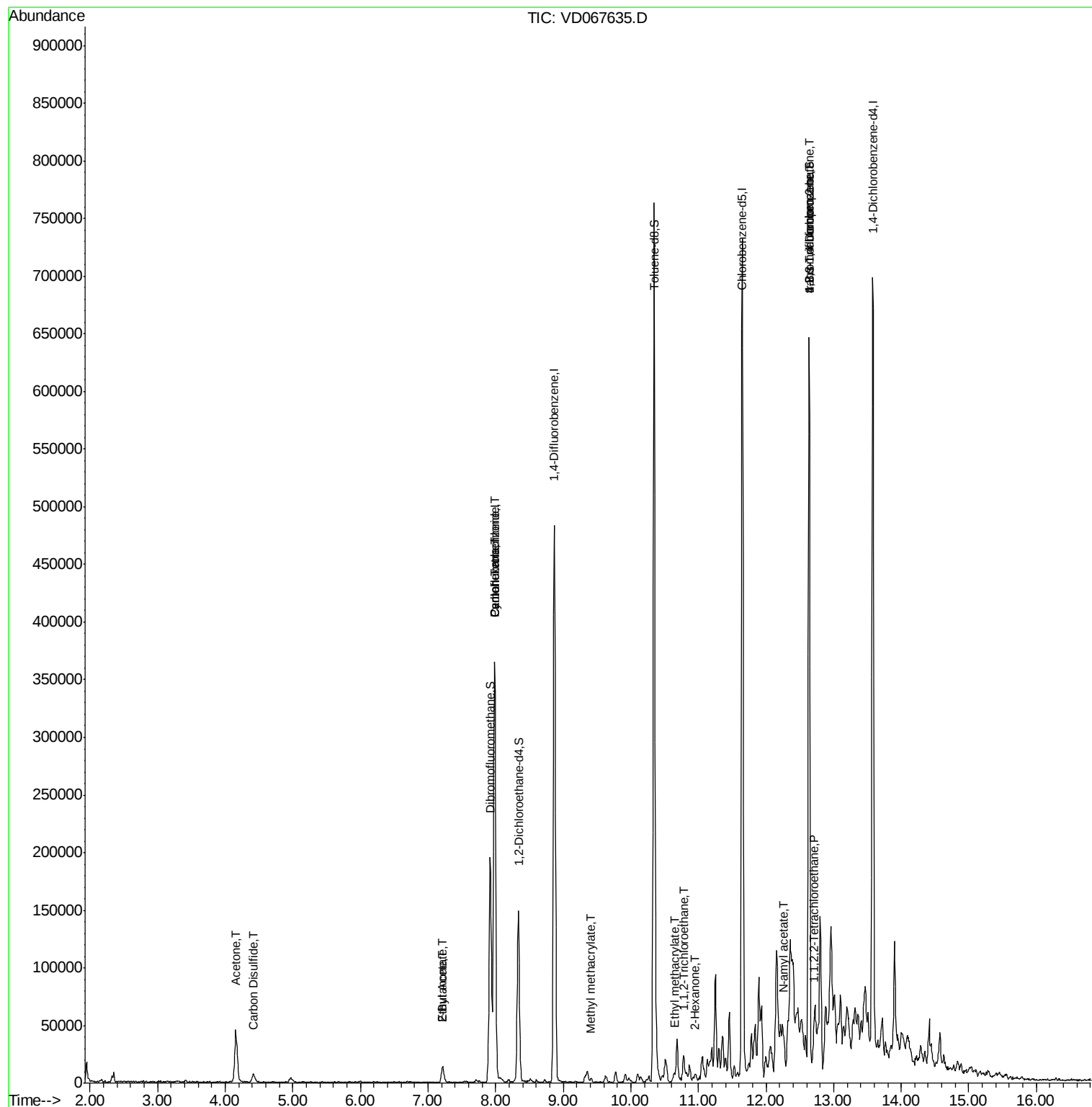
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	544	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	101	Below Cal	#	79
16) Acetone	4.16	43	75762	208.733	ug/l	92
17) Carbon Disulfide	4.41	76	12790	1.803	ug/l	98
25) 2-Butanone	7.21	43	18827	48.544	ug/l #	83
31) Cyclohexane	7.99	56	6029	1.714	ug/l #	1
37) Ethyl Acetate	7.21	43	18827	19.651	ug/l #	64
38) Carbon Tetrachloride	7.99	117	29171	6.084	ug/l #	15
48) Methyl methacrylate	9.40	41	1150	1.176	ug/l #	20
55) 1,1,2-Trichloroethane	10.78	97	9145	5.030	ug/l #	25
56) Ethyl methacrylate	10.64	69	2218	1.181	ug/l #	93
59) 2-Hexanone	10.96	43	2699	4.260	ug/l #	20
74) N-amyl acetate	12.27	43	6661	4.012	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.70	83	2638	1.533	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	103583	87.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103583	178.556	ug/l #	11

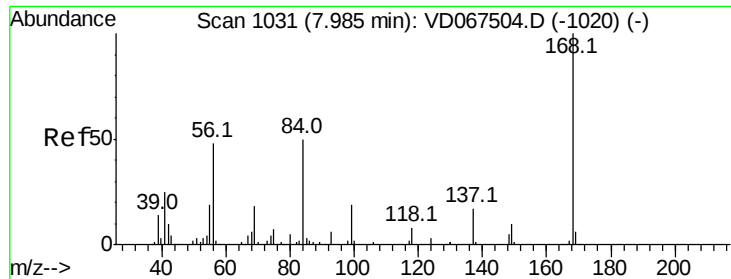
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 00:56:28 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

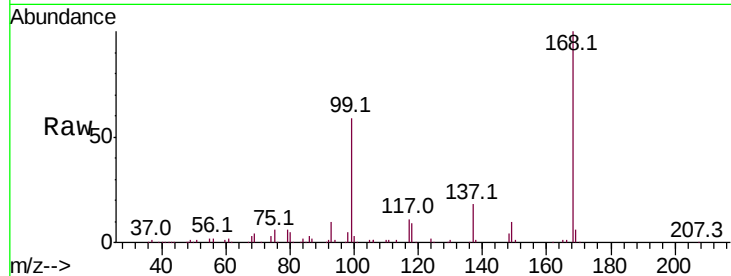
BARNUM-STREET-TEST-PIT-1

Tot Ion:168 Resp: 277392

Ion Ratio Lower Upper

168 100

99 58.7 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

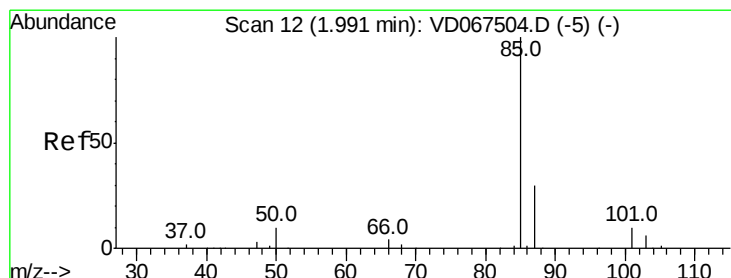
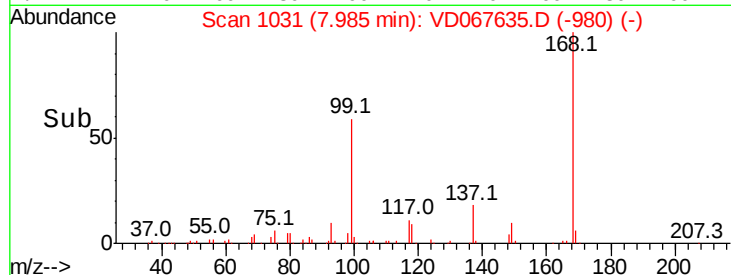
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067635.D

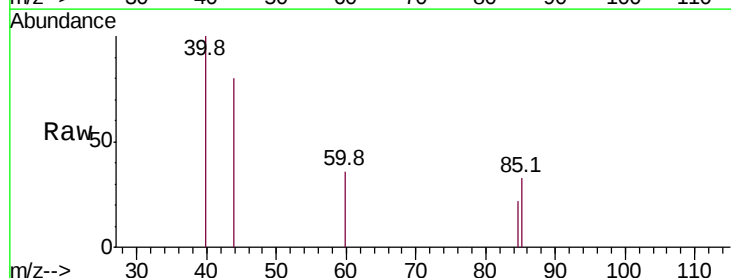
Acq: 16 Nov 2020 12:40

Tgt Ion: 85 Resp: 544

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

1.99

600

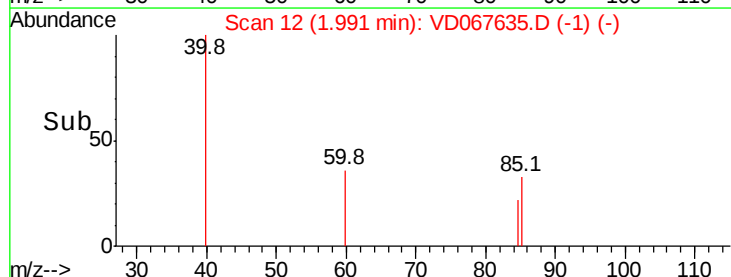
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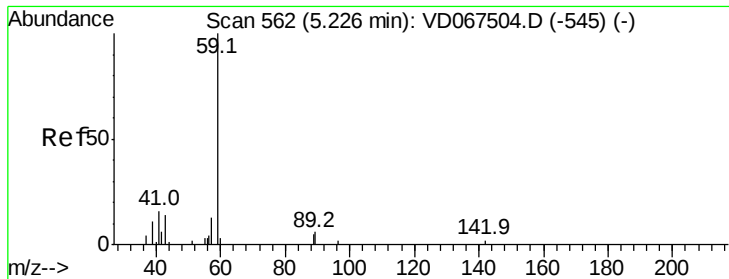
200

0

Time-->

1.96 1.98 2.00 2.02



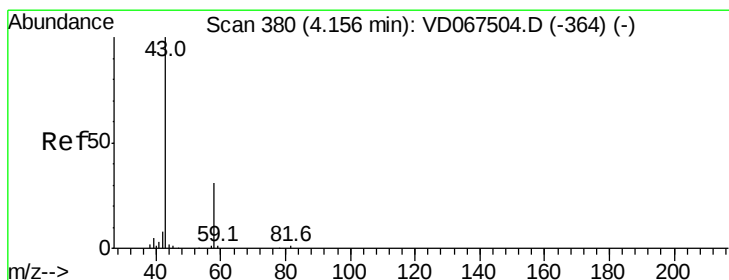
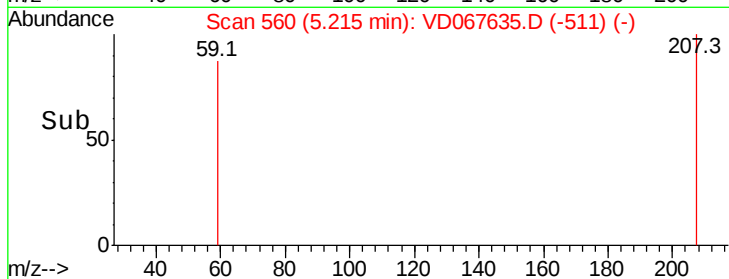
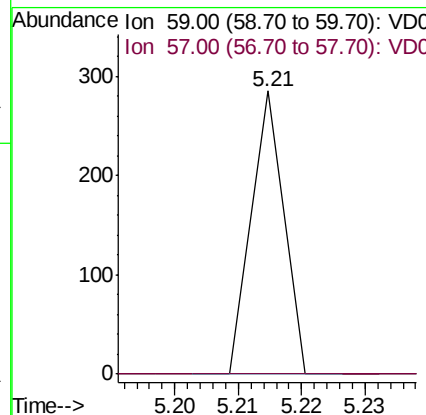
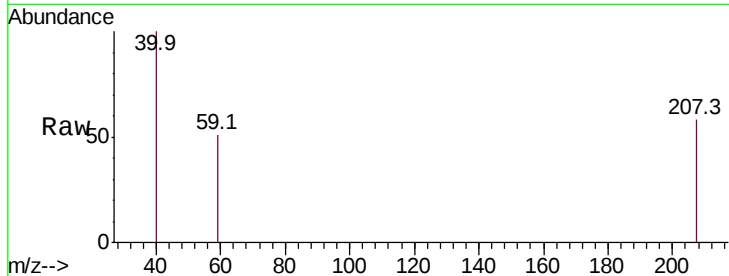


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067635.D
 Acq: 16 Nov 2020 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 BARNUM-STREET-TEST-PIT-1

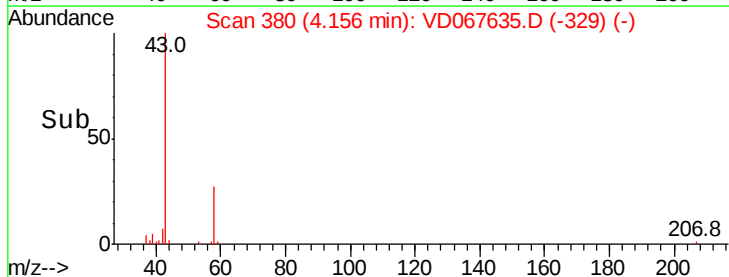
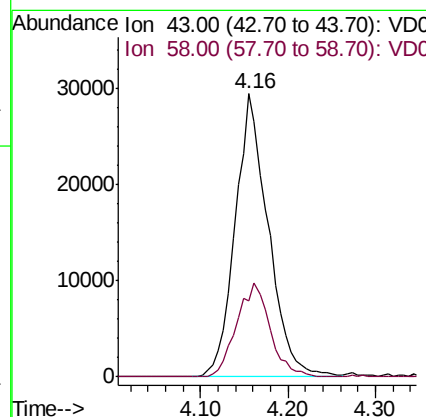
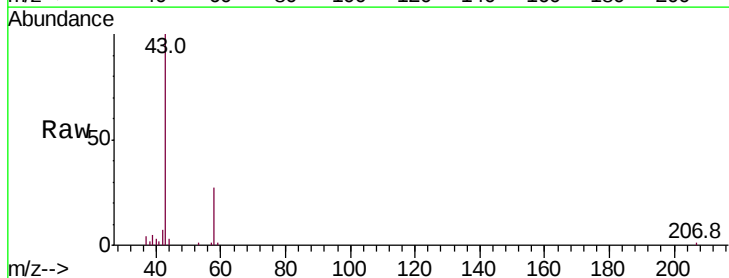
Tot Ion: 59 Resp: 101
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

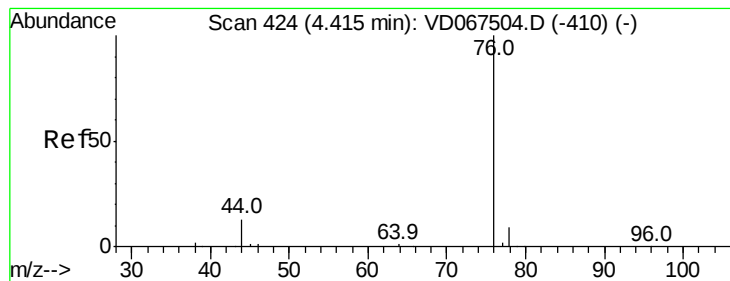


#16

Acetone
 Concen: 208.733 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067635.D
 Acq: 16 Nov 2020 12:40

Tgt Ion: 43 Resp: 75762
 Ion Ratio Lower Upper
 43 100
 58 26.9 25.2 37.8





#17

Carbon Disulfide

Concen: 1.803 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.00 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

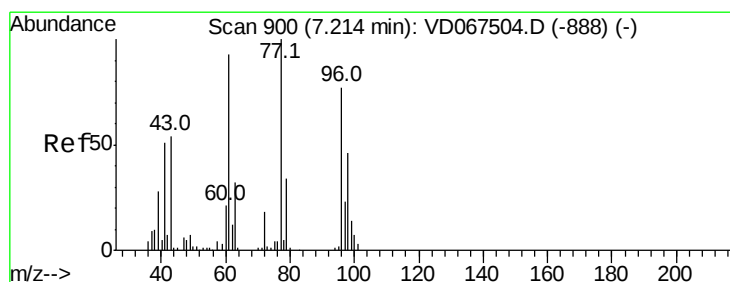
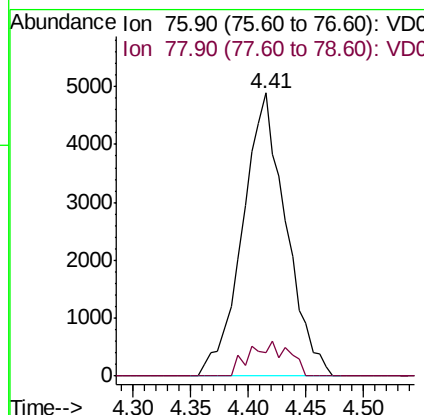
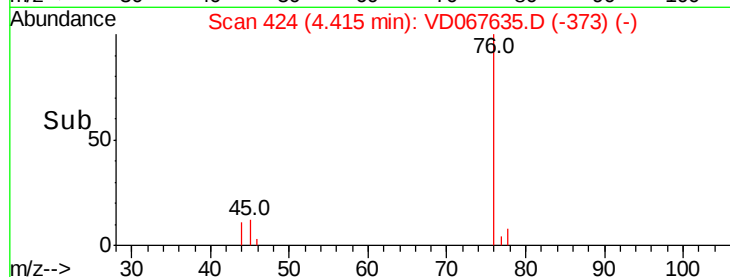
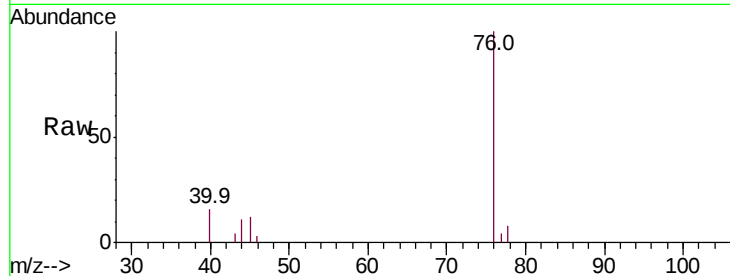
BARNUM-STREET-TEST-PIT-1

Tot Ion: 76 Resp: 12790

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8



#25

2-Butanone

Concen: 48.544 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067635.D

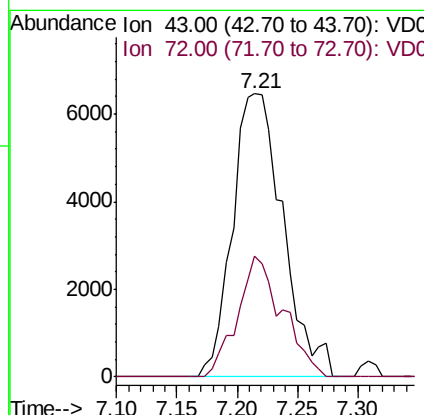
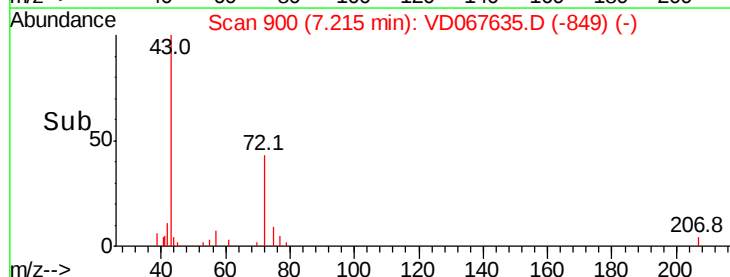
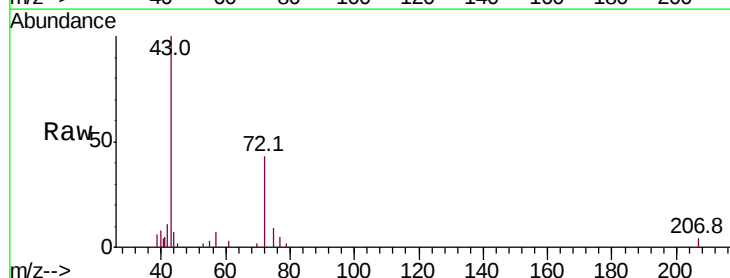
Acq: 16 Nov 2020 12:40

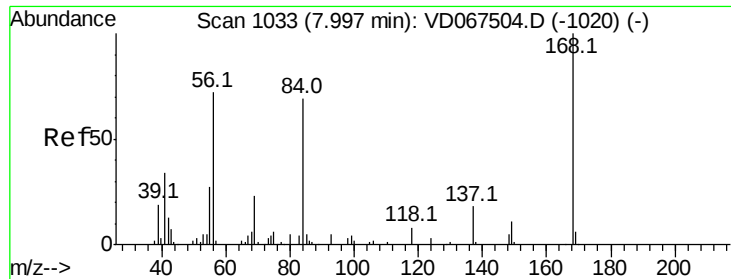
Tgt Ion: 43 Resp: 18827

Ion Ratio Lower Upper

43 100

72 42.5 26.4 39.6#

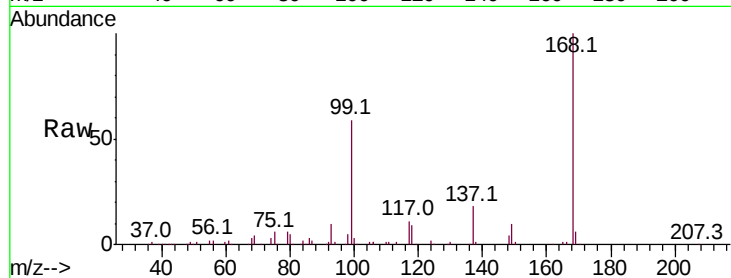




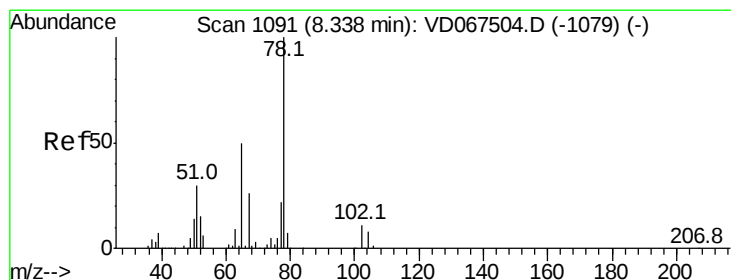
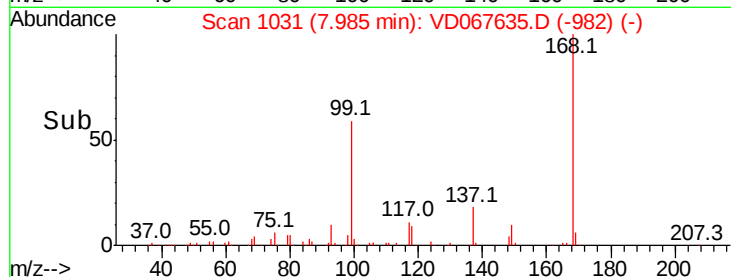
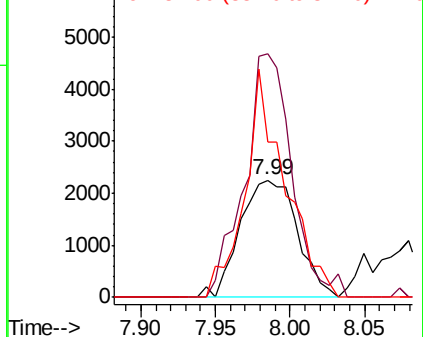
#31
Cyclohexane
Concen: 1.714 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-1

Tot Ion: 56 Resp: 6029
Ion Ratio Lower Upper
56 100
69 208.2 25.9 38.9#
84 133.3 76.2 114.4#

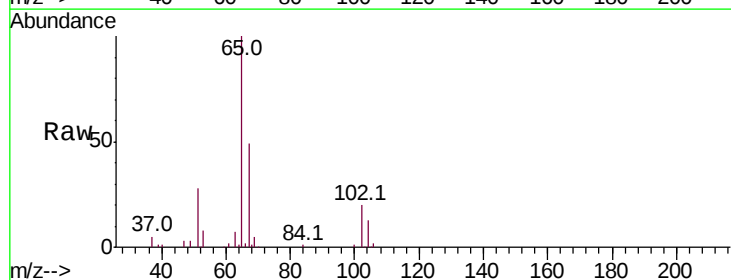


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

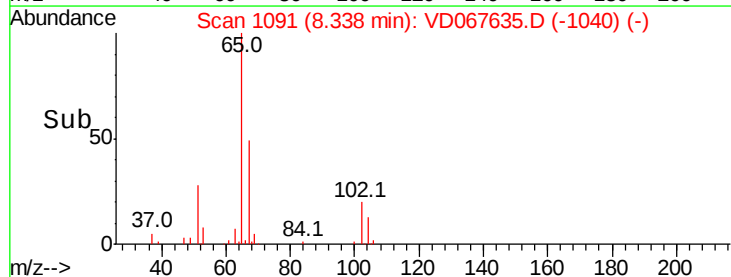
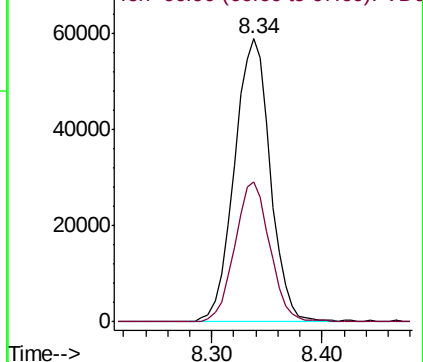


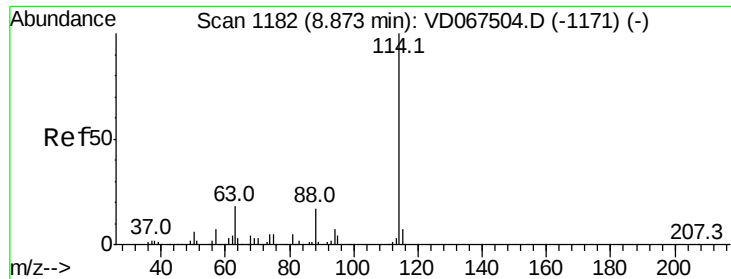
#33
1,2-Dichloroethane-d4
Concen: 55.328 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Tgt Ion: 65 Resp: 134198
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.4



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

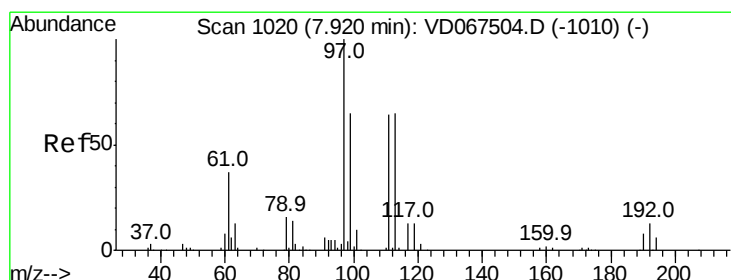
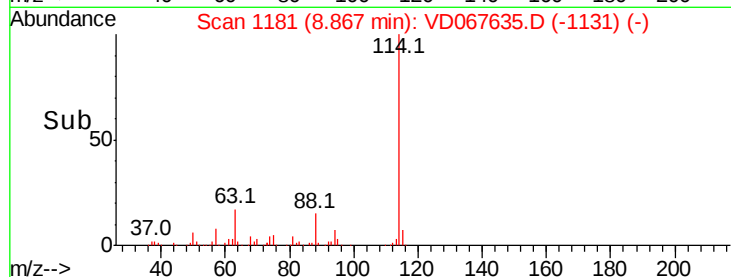
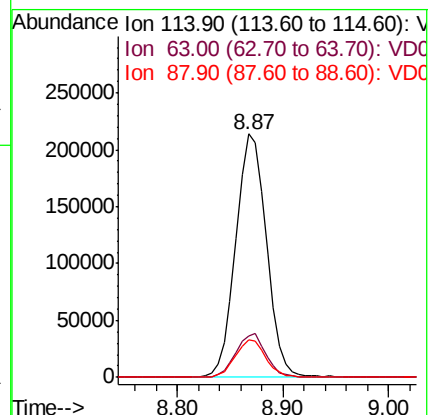
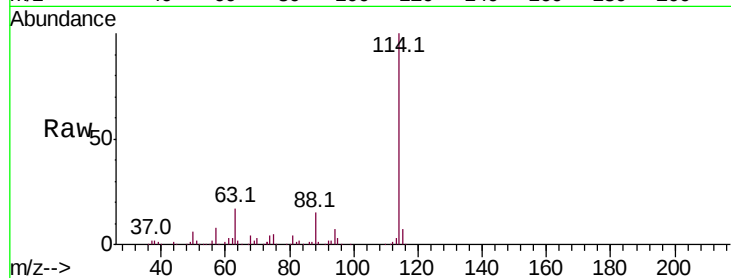




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

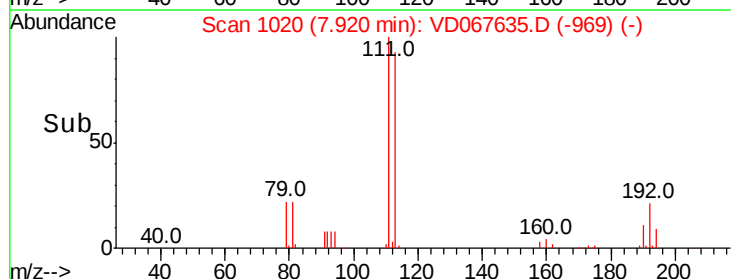
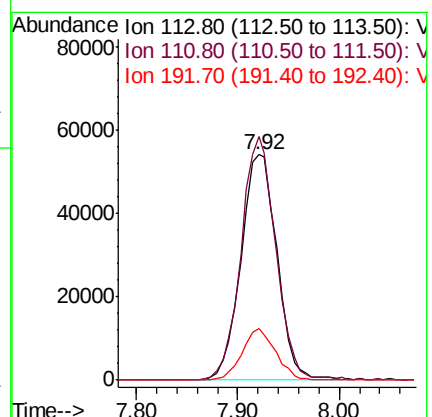
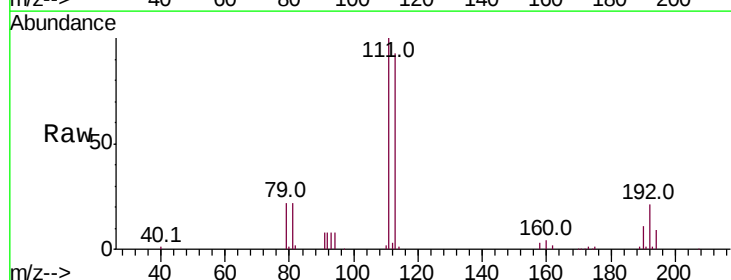
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MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-1

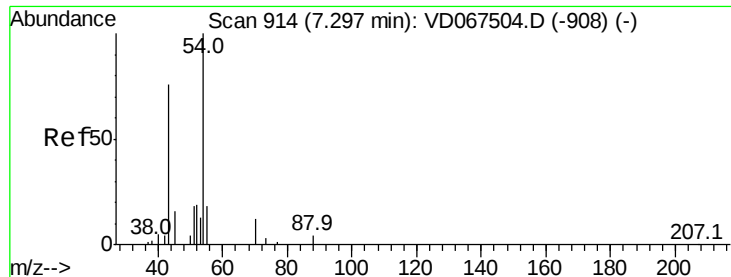
Tot Ion:114 Resp: 431107
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.0
88 15.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.482 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Tgt Ion:113 Resp: 133721
Ion Ratio Lower Upper
113 100
111 104.0 80.0 120.0
192 21.1 16.3 24.5

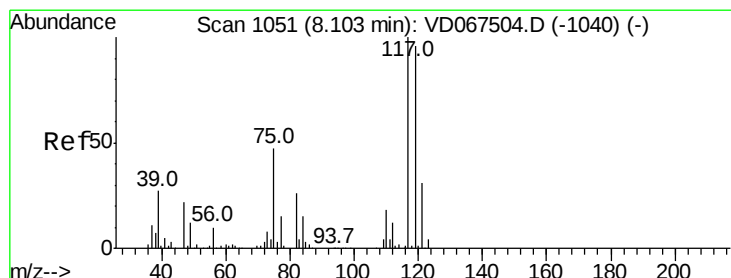
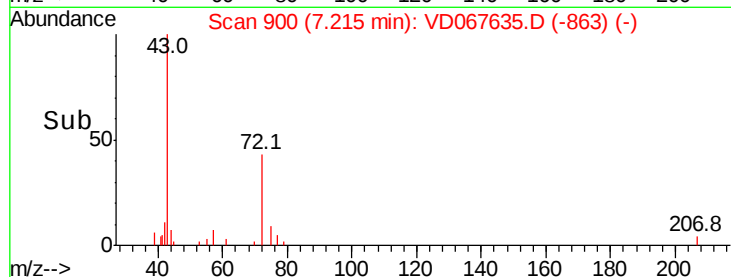
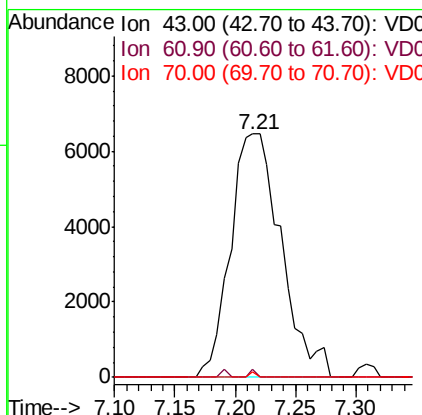
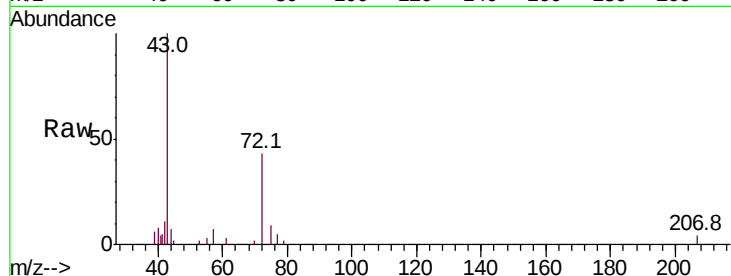




#37
Ethyl Acetate
Concen: 19.651 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

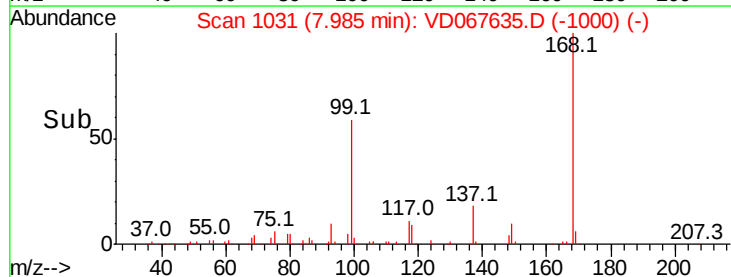
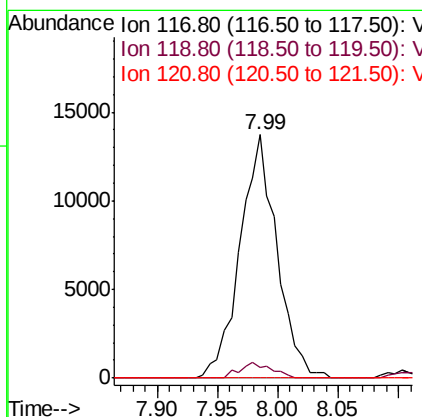
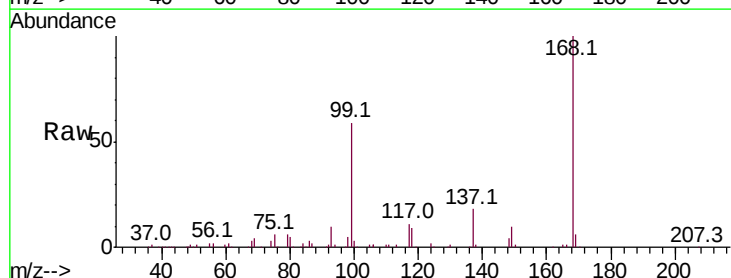
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BARNUM-STREET-TEST-PIT-1

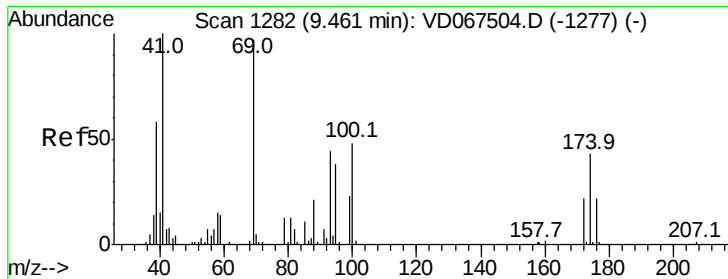
Tot Ion: 43 Resp: 18827
Ion Ratio Lower Upper
43 100
61 0.4 12.8 19.2#
70 0.3 11.7 17.5#



#38
Carbon Tetrachloride
Concen: 6.084 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Tgt Ion: 117 Resp: 29171
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.5 36.7#





#48

Methvl methacrylate

Concen: 1.176 ug/l

RT: 9.40 min Scan# 1272

Delta R.T. -0.06 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-1

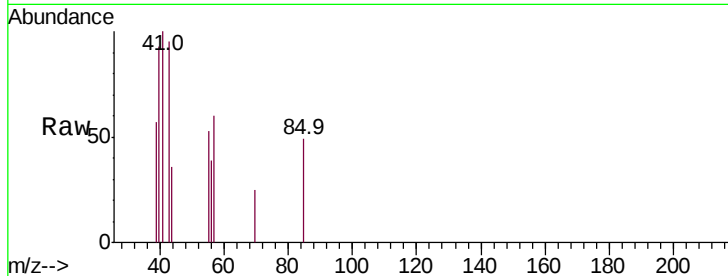
Tot Ion: 41 Resp: 1150

Ion Ratio Lower Upper

41 100

69 7.1 80.6 121.0#

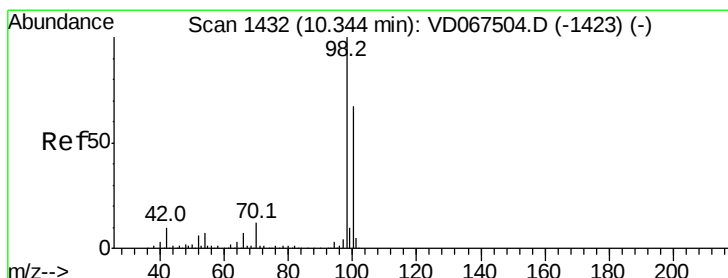
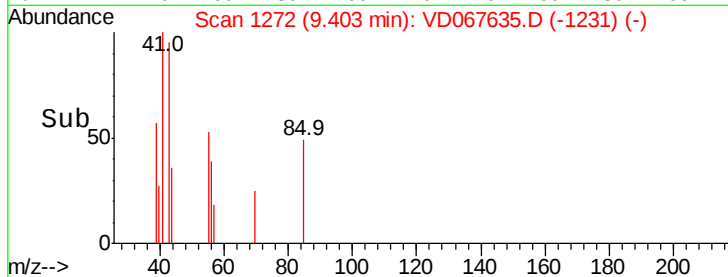
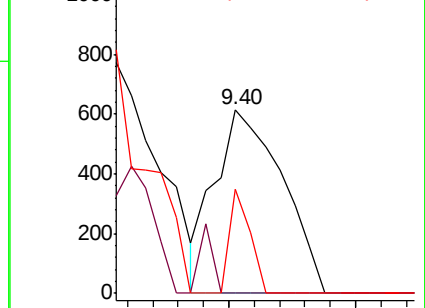
39 17.0 50.2 75.4#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#50

Toluene-d8

Concen: 55.963 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067635.D

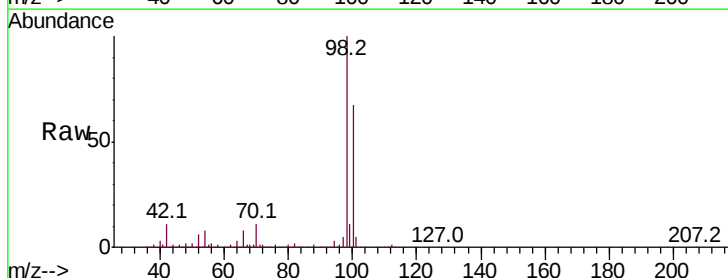
Acq: 16 Nov 2020 12:40

Tgt Ion: 98 Resp: 510822

Ion Ratio Lower Upper

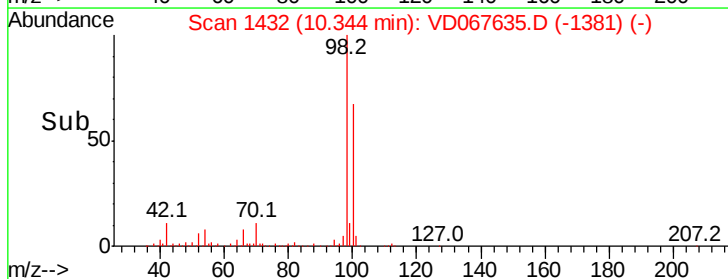
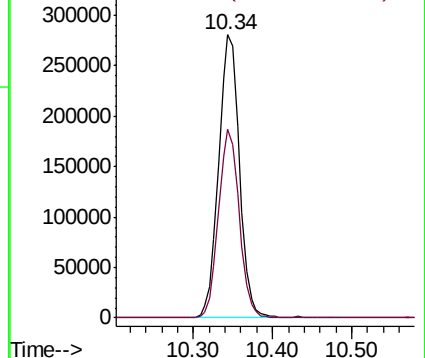
98 100

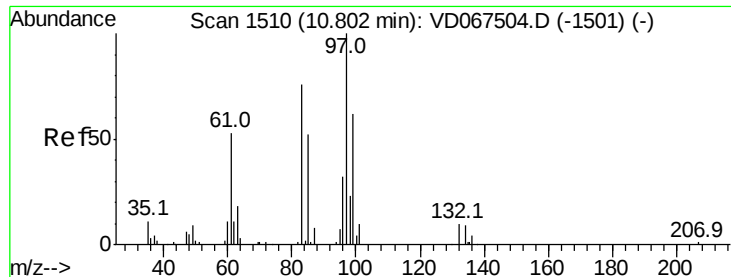
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

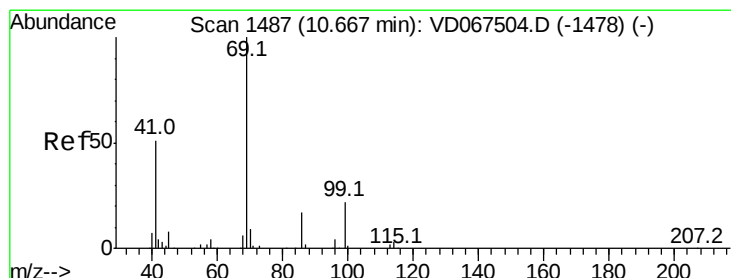
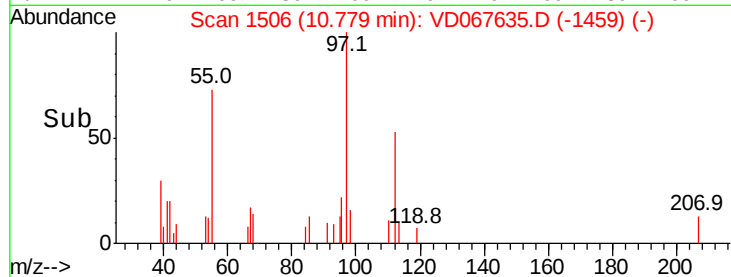
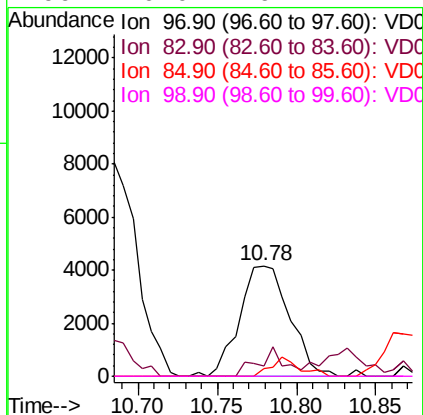
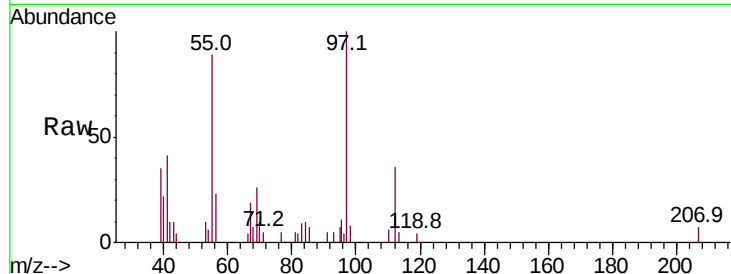




#55
 1,1,2-Trichloroethane
 Concen: 5.030 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.02 min
 Lab File: VD067635.D
 Acq: 16 Nov 2020 12:40

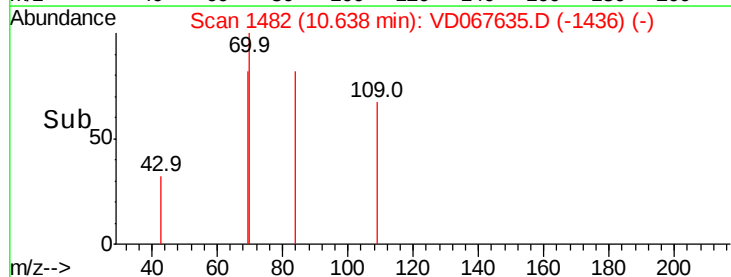
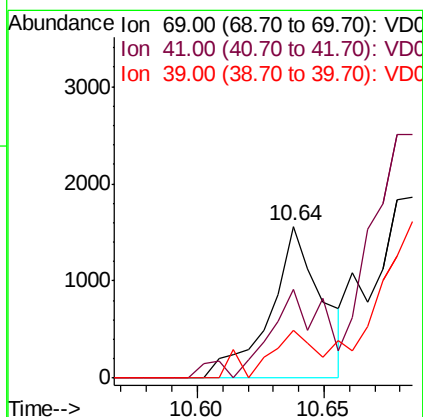
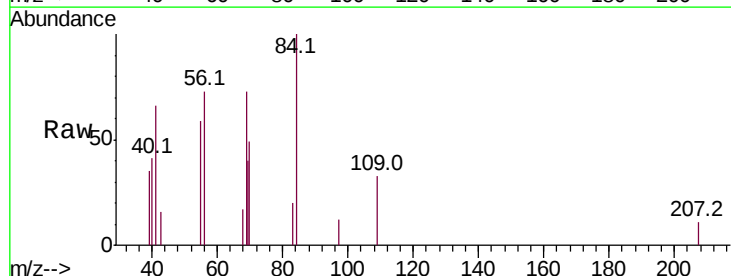
Instrument :
 MSVOA_D
 ClientSampleId :
 BARNUM-STREET-TEST-PIT-1

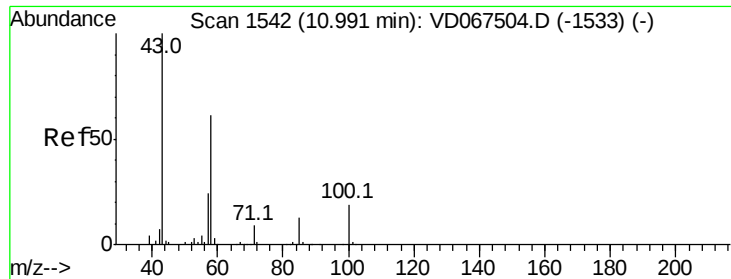
Tot Ion: 97 Resp: 9145
 Ion Ratio Lower Upper
 97 100
 83 9.0 61.0 91.6#
 85 6.6 41.5 62.3#
 99 0.0 49.4 74.2#



#56
 Ethyl methacrylate
 Concen: 1.181 ug/l
 RT: 10.64 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VD067635.D
 Acq: 16 Nov 2020 12:40

Tgt Ion: 69 Resp: 2218
 Ion Ratio Lower Upper
 69 100
 41 58.2 45.4 68.0
 39 25.1 27.4 41.0#

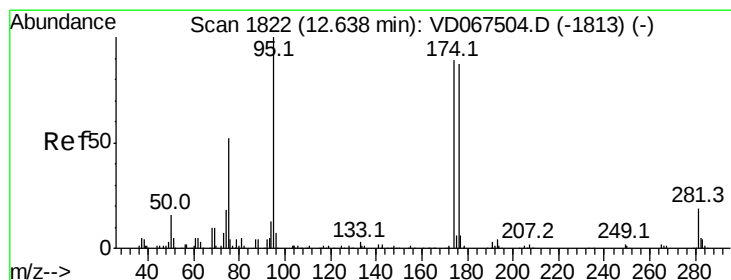
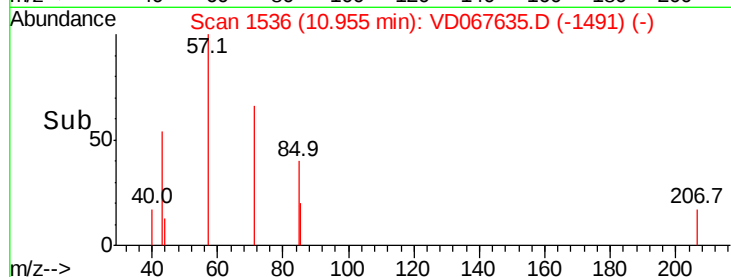
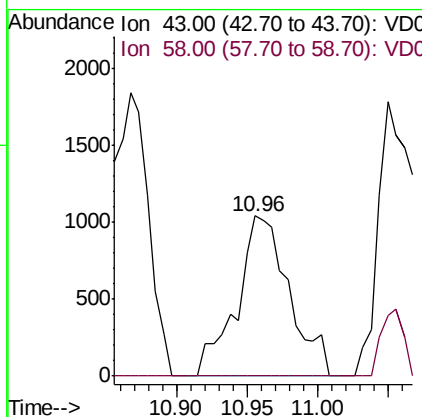
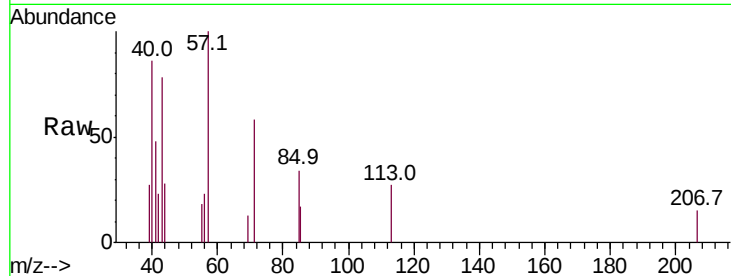




#59
2-Hexanone
Concen: 4.260 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

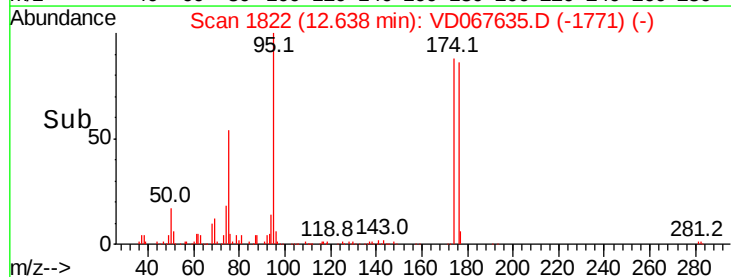
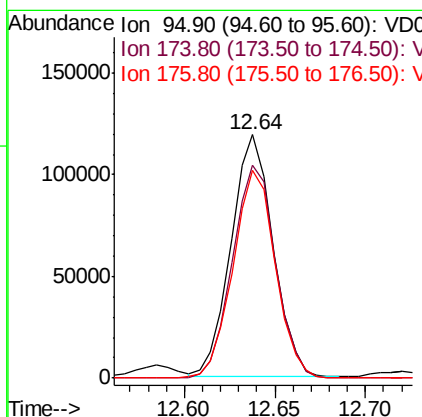
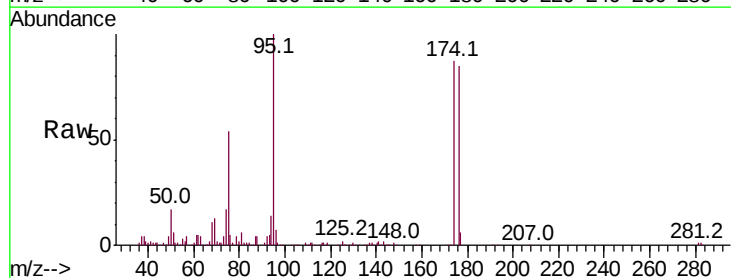
Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-1

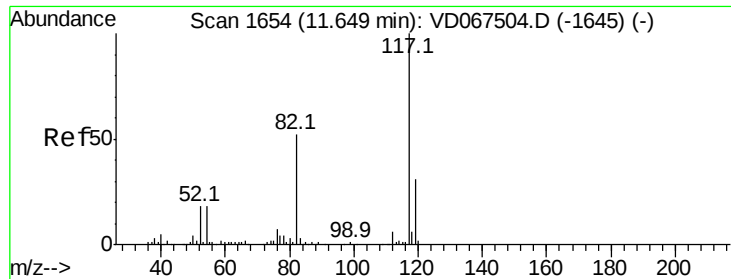
Tot Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 0.0 30.3 90.9#



#62
4-Bromofluorobenzene
Concen: 60.961 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Tgt Ion: 95 Resp: 192110
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.8
176 86.4 0.0 172.0

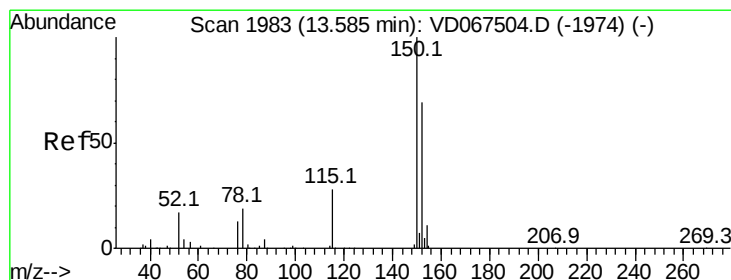
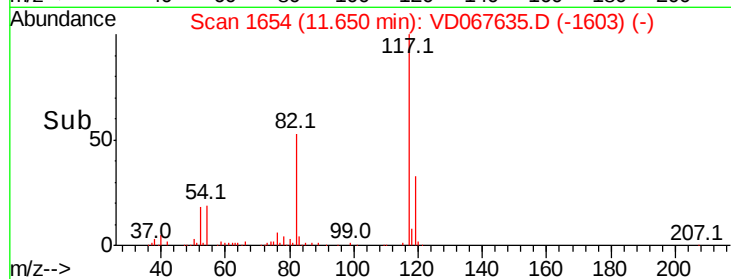
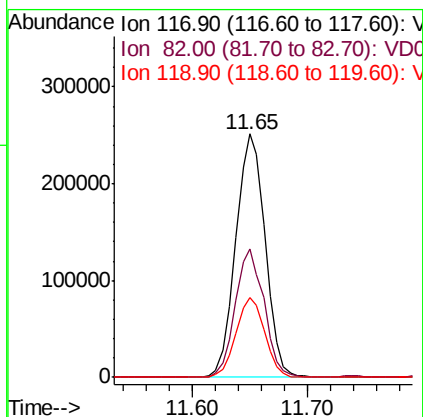
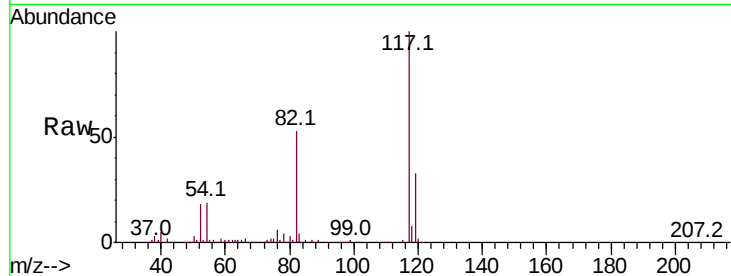




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

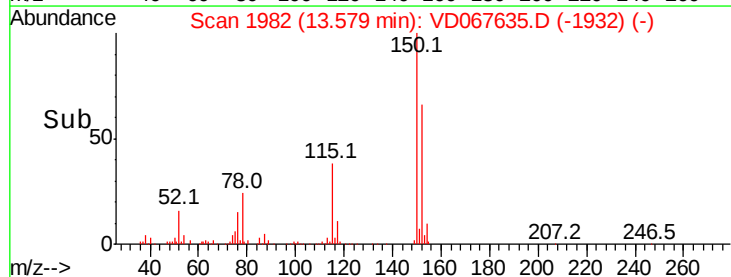
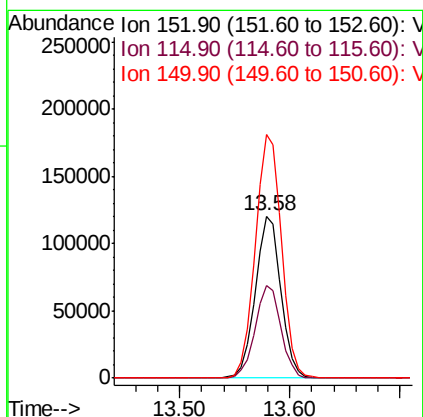
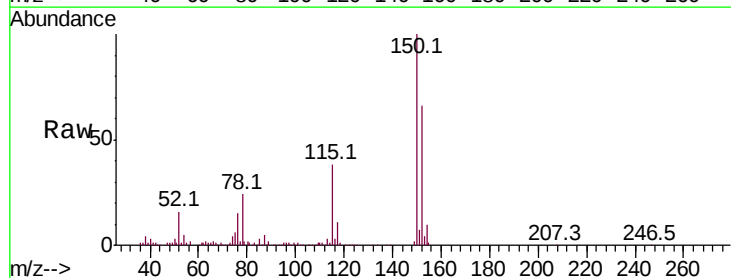
Instrument :
MSVOA_D
ClientSampleId :
BARNUM-STREET-TEST-PIT-1

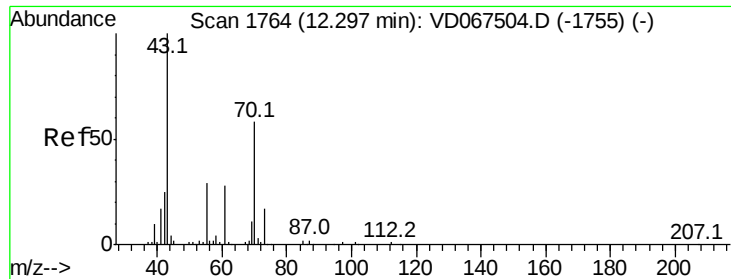
Tot Ion:117 Resp: 441143
Ion Ratio Lower Upper
117 100
82 52.3 41.6 62.4
119 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067635.D
Acq: 16 Nov 2020 12:40

Tgt Ion:152 Resp: 195238
Ion Ratio Lower Upper
152 100
115 57.4 29.3 88.0
150 153.8 0.0 338.2





#74

N-amvl acetate

Concen: 4.012 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.03 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-1

Tot Ion: 43 Resp: 6661

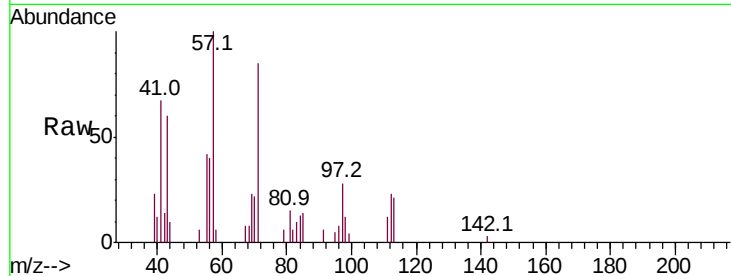
Ion Ratio Lower Upper

43 100

70 0.0 42.6 64.0#

55 0.0 23.7 35.5#

61 0.0 21.9 32.9#

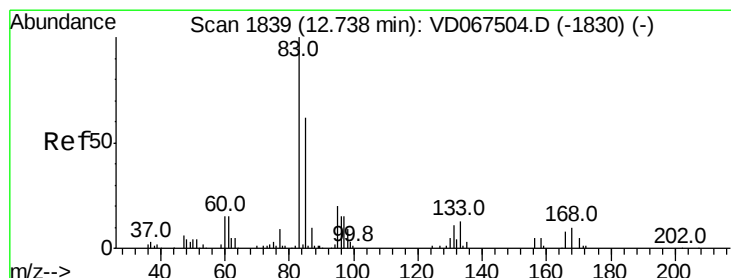
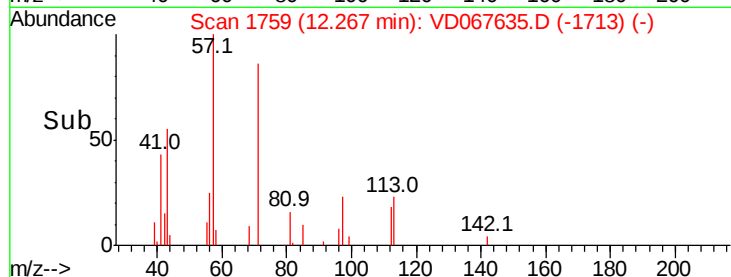
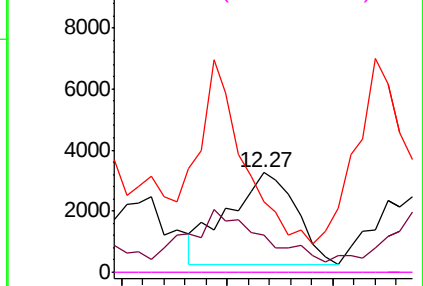


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.533 ug/l

RT: 12.70 min Scan# 1833

Delta R.T. -0.04 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

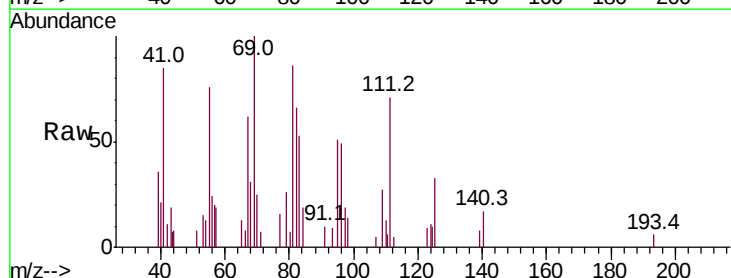
Tgt Ion: 83 Resp: 2638

Ion Ratio Lower Upper

83 100

131 0.0 7.1 21.3#

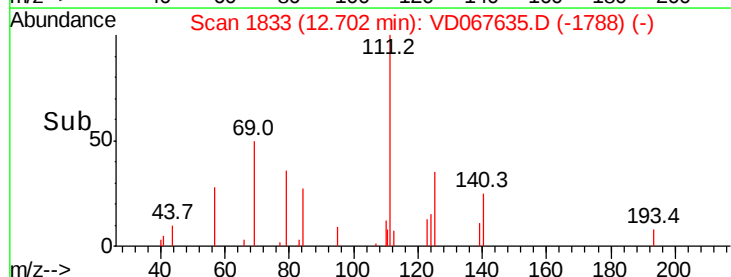
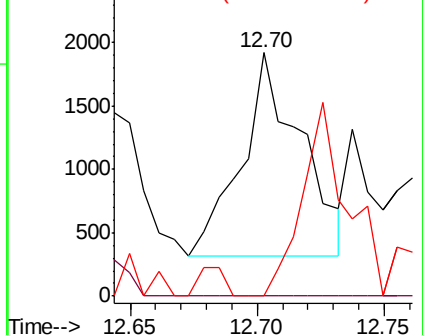
85 0.0 32.9 98.7#

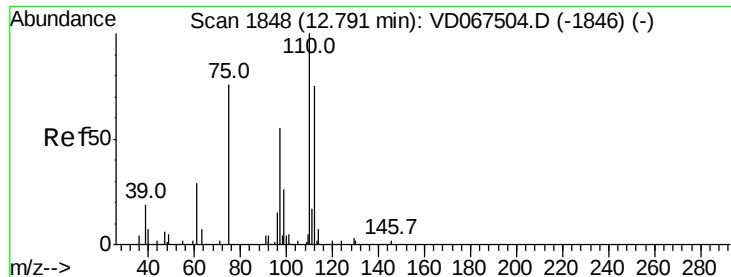


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC





#76

1,2,3-Trichloropropane

Concen: 87.947 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Instrument :

MSVOA_D

ClientSampleId :

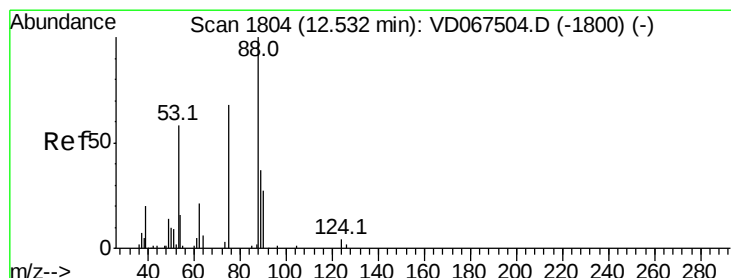
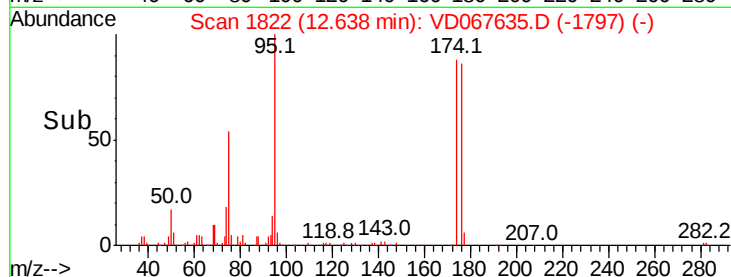
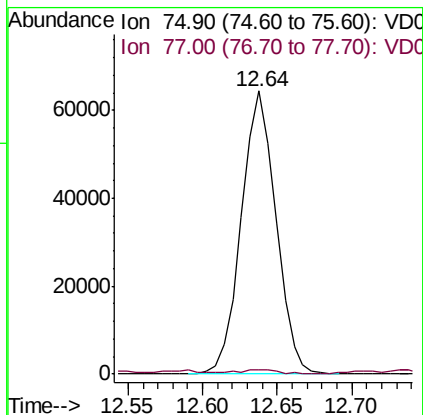
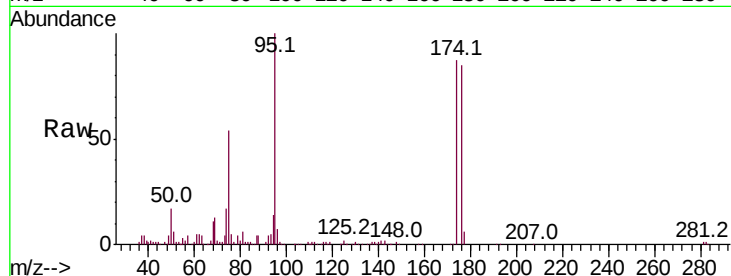
BARNUM-STREET-TEST-PIT-1

Tot Ion: 75 Resp: 103583

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.556 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067635.D

Acq: 16 Nov 2020 12:40

Tgt Ion: 75 Resp: 103583

Ion Ratio Lower Upper

75 100

53 0.7 75.9 113.9#

89 0.0 44.6 67.0#

