

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067636.D
 Acq On : 16 Nov 2020 13:07
 Operator : VA/SY
 Sample : L4734-02
 Misc : 4.11G/5.01ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 17 01:07:20 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	219300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	330747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	117738	61.40	ug/l	0.00
Spiked Amount			Recovery	=	122.80%	
35) Dibromofluoromethane	7.92	113	110600	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
50) Toluene-d8	10.34	98	383753	54.80	ug/l	0.00
Spiked Amount			Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.64	95	140685	58.19	ug/l	0.00
Spiked Amount			Recovery	=	116.38%	

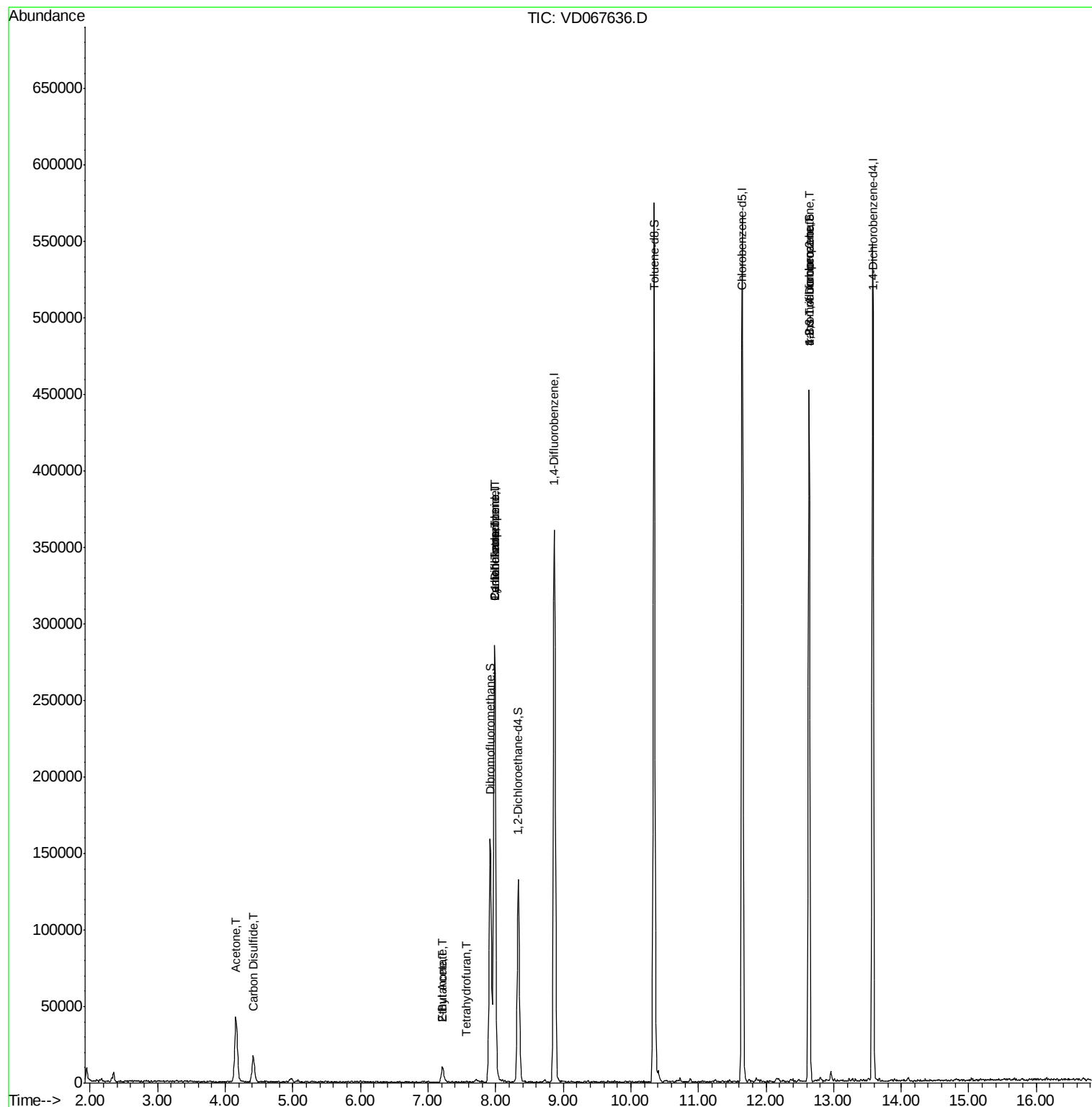
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	537	Below Cal	#	44
16) Acetone	4.16	43	75230	262.172	ug/l	98
17) Carbon Disulfide	4.41	76	34295	6.114	ug/l	97
25) 2-Butanone	7.21	43	14472	47.200	ug/l	93
29) Tetrahydrofuran	7.57	42	391	2.129	ug/l	# 44
31) Cyclohexane	7.98	56	4797	1.725	ug/l	# 32
36) 1,1-Dichloropropene	7.98	75	15431	5.450	ug/l	# 45
37) Ethyl Acetate	7.21	43	14472	19.689	ug/l	# 64
38) Carbon Tetrachloride	7.98	117	22710	6.174	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	74950	81.495	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	74950	165.457	ug/l	# 10

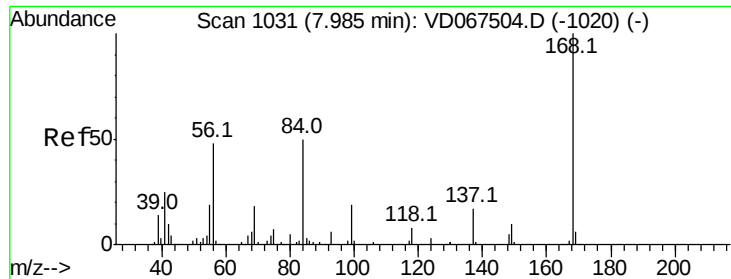
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Instrument :

MSVOA_D

ClientSampleId :

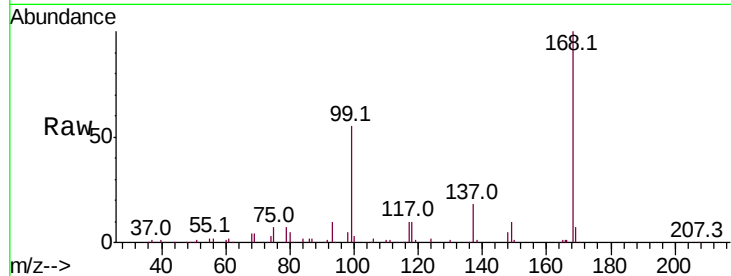
BARNUM-STREET-TEST-PIT-2

Tot Ion:168 Resp: 219300

Ion Ratio Lower Upper

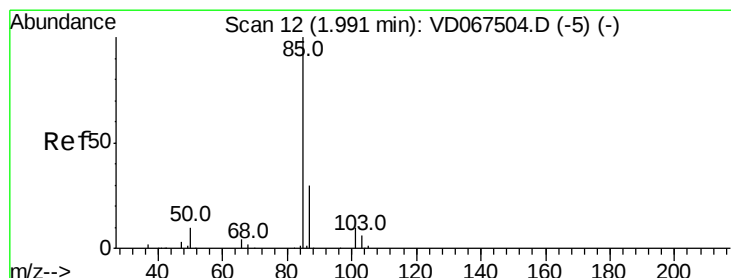
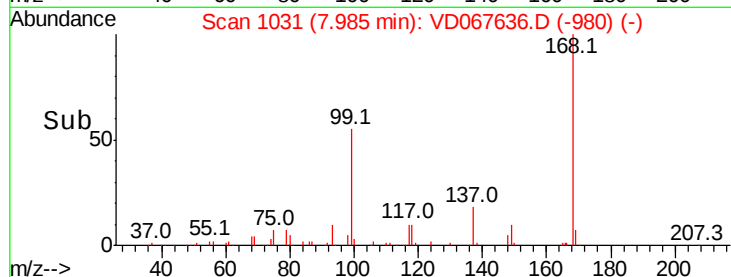
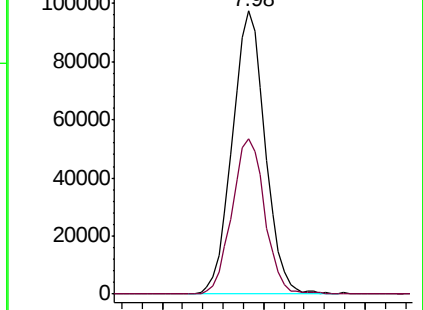
168 100

99 54.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067636.D

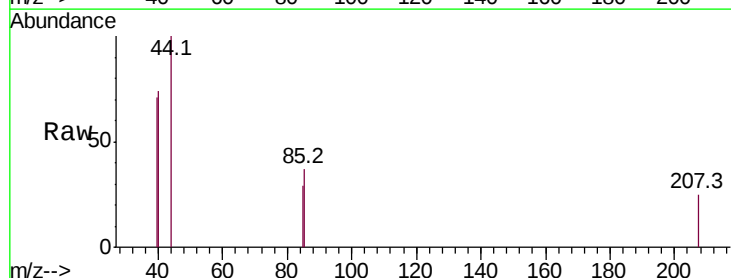
Acq: 16 Nov 2020 13:07

Tgt Ion: 85 Resp: 537

Ion Ratio Lower Upper

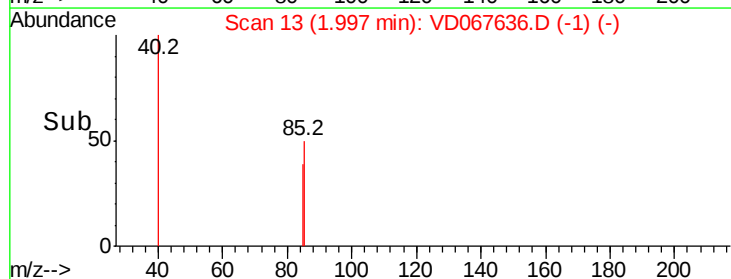
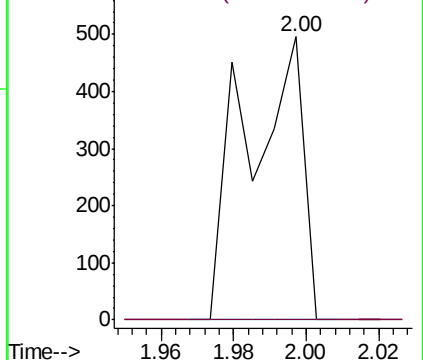
85 100

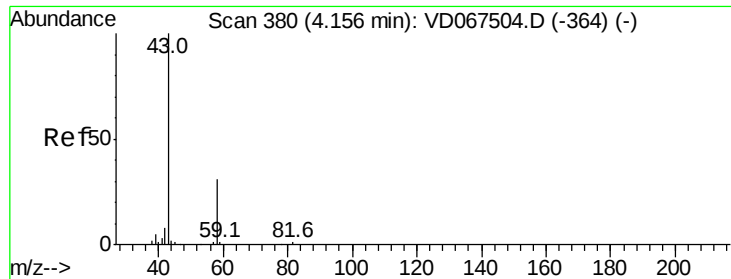
87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 262.172 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Instrument :

MSVOA_D

ClientSampleId :

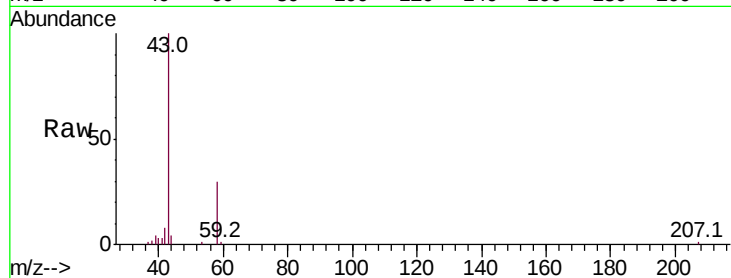
BARNUM-STREET-TEST-PIT-2

Tot Ion: 43 Resp: 75230

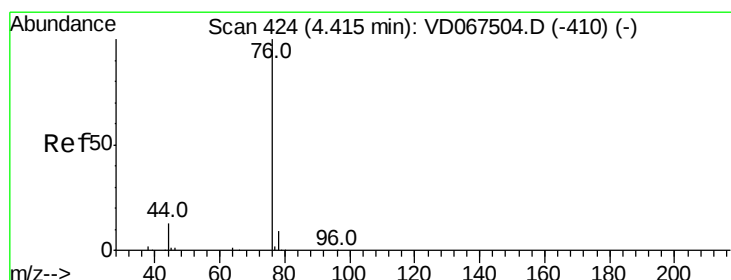
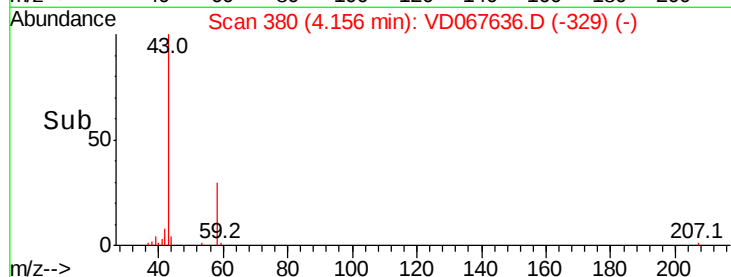
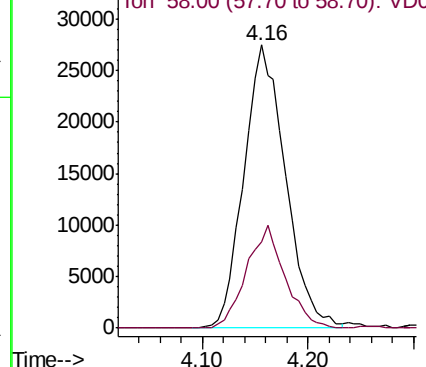
Ion Ratio Lower Upper

43 100

58 30.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC



#17

Carbon Disulfide

Concen: 6.114 ug/l

RT: 4.41 min Scan# 424

Delta R.T. -0.00 min

Lab File: VD067636.D

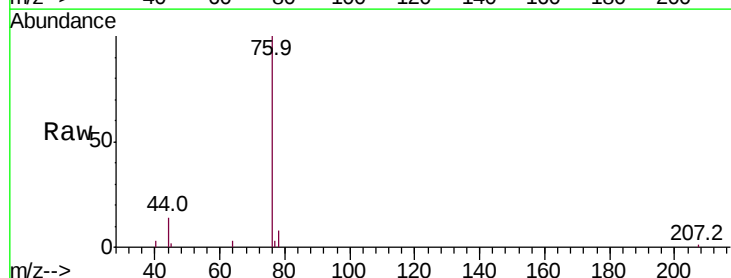
Acq: 16 Nov 2020 13:07

Tgt Ion: 76 Resp: 34295

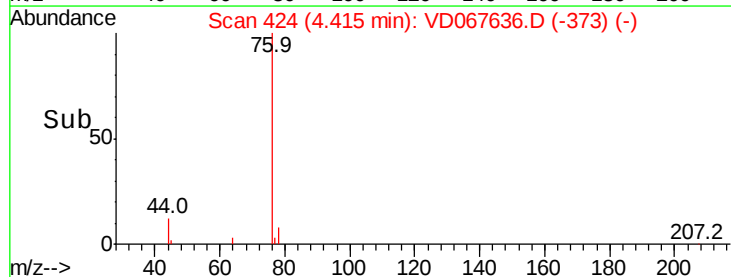
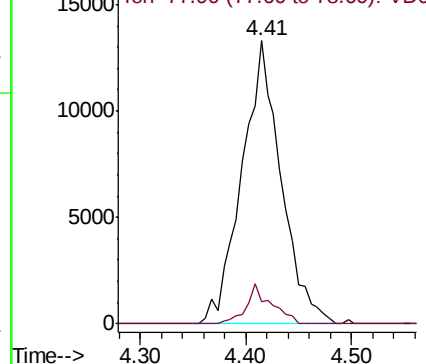
Ion Ratio Lower Upper

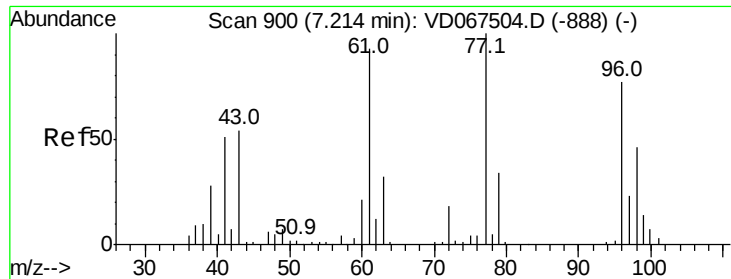
76 100

78 8.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC





#25

2-Butanone

Concen: 47.200 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Instrument :

MSVOA_D

ClientSampleId :

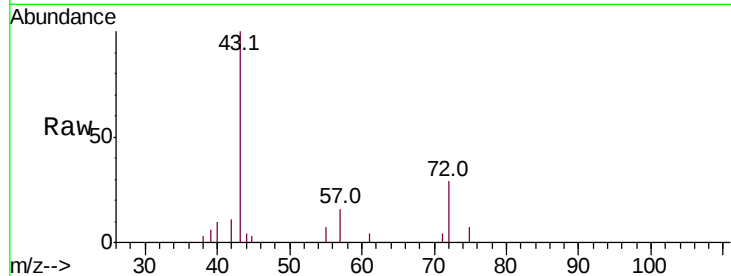
BARNUM-STREET-TEST-PIT-2

Tot Ion: 43 Resp: 14472

Ion Ratio Lower Upper

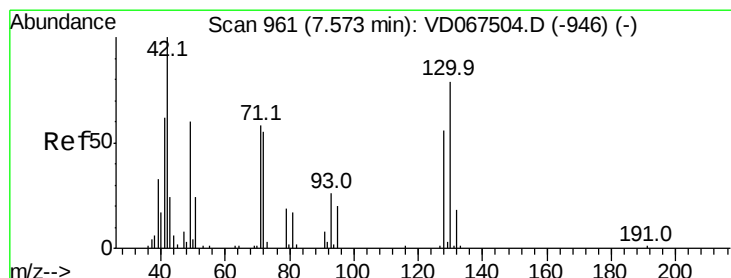
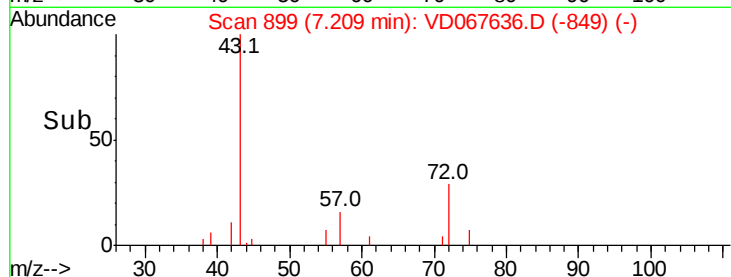
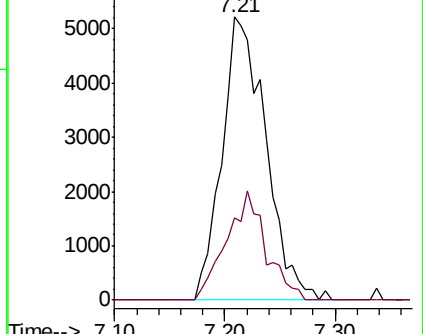
43 100

72 29.3 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.129 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

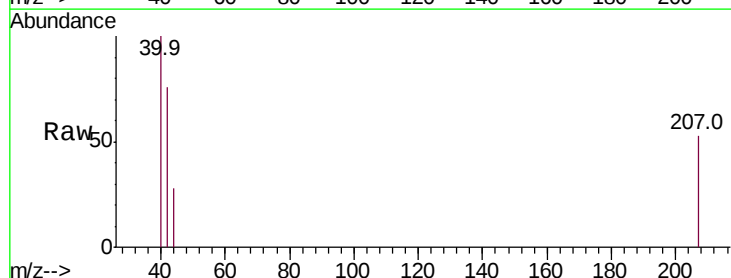
Tgt Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

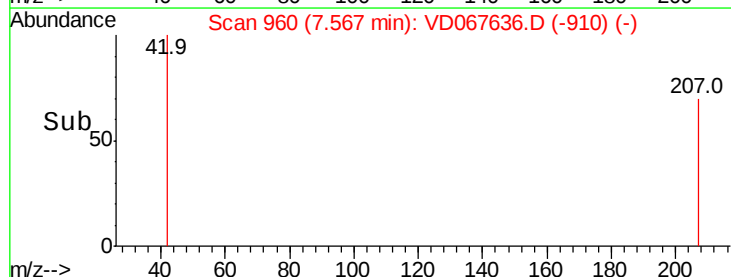
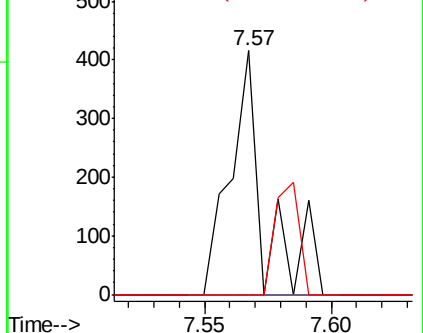
71 32.0 44.0 66.0#

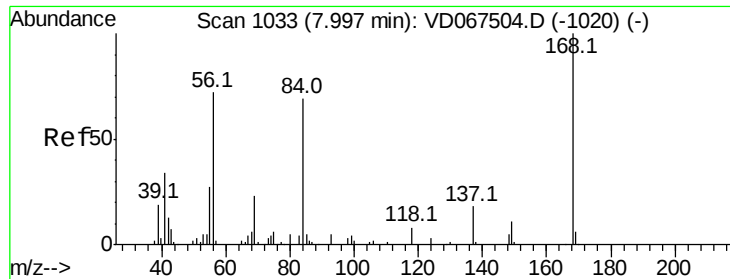


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

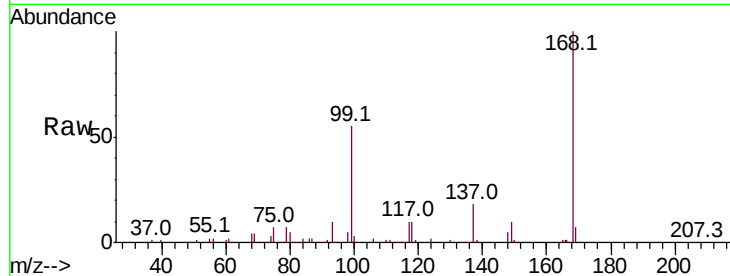




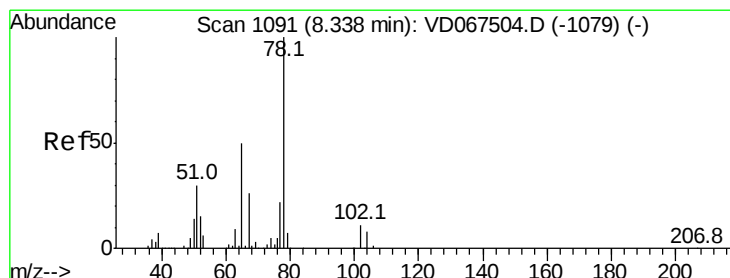
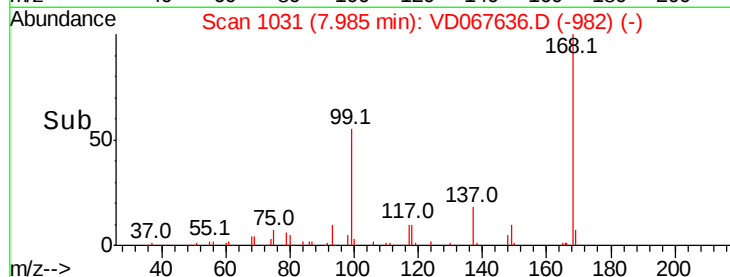
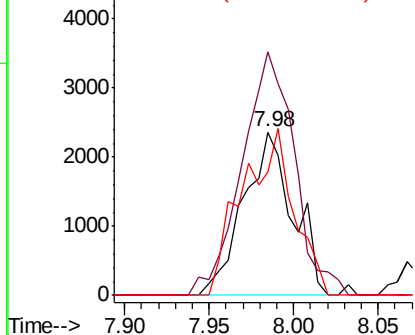
#31
Cyclohexane
Concen: 1.725 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

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

Tot Ion: 56 Resp: 4797
Ion Ratio Lower Upper
56 100
69 148.8 25.9 38.9#
84 75.0 76.2 114.4#

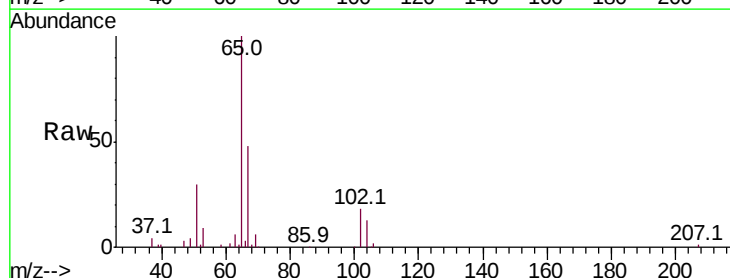


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

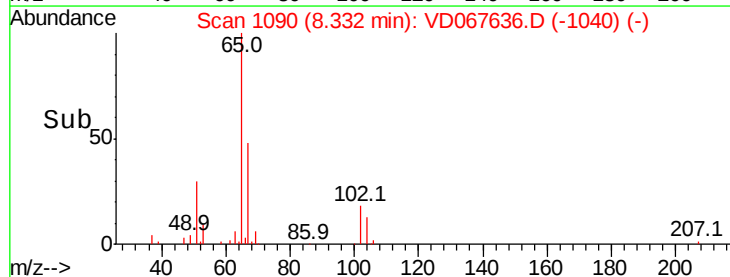
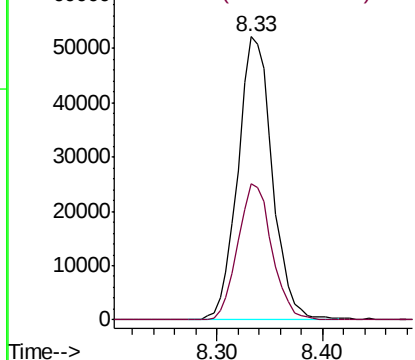


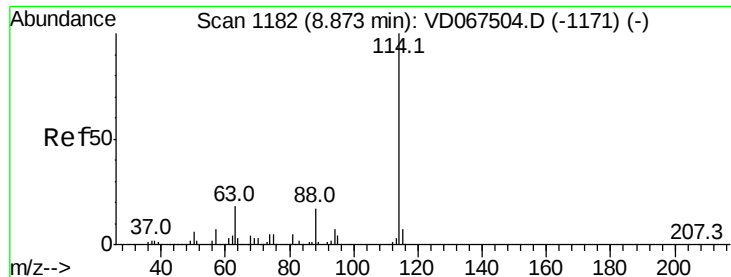
#33
1,2-Dichloroethane-d4
Concen: 61.401 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

Tgt Ion: 65 Resp: 117738
Ion Ratio Lower Upper
65 100
67 47.5 0.0 99.4



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

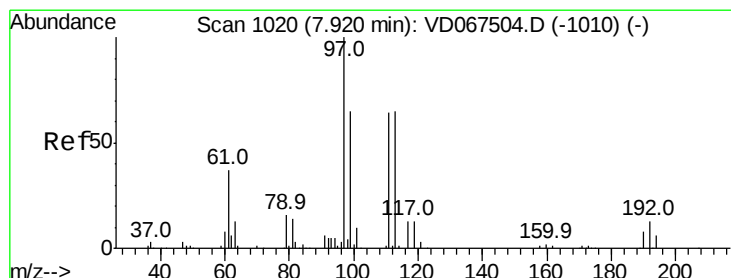
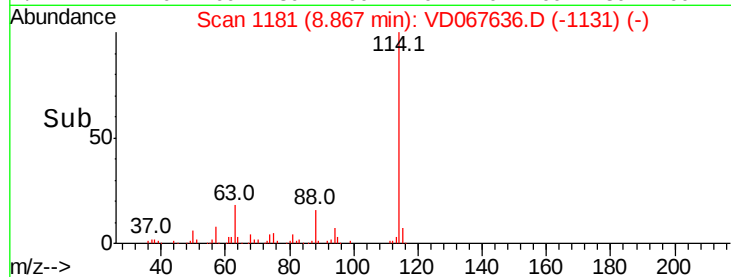
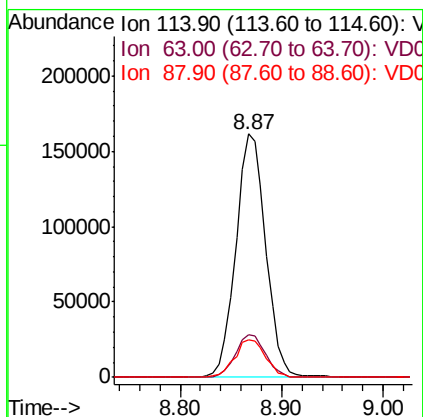
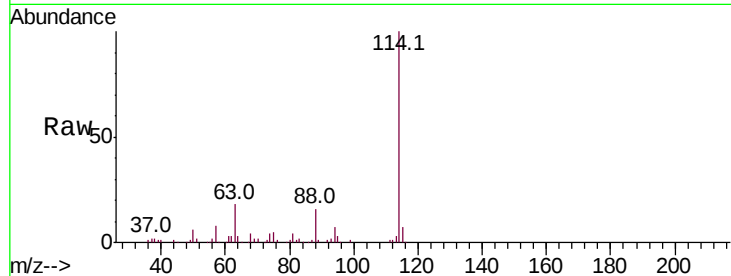




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

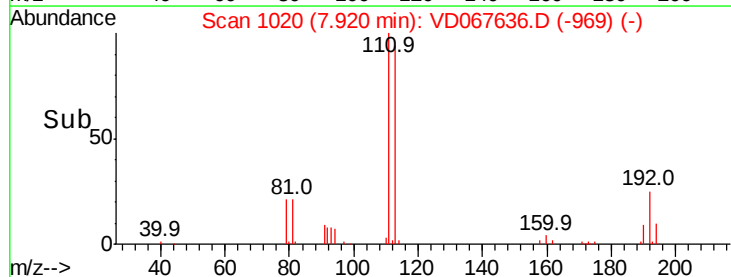
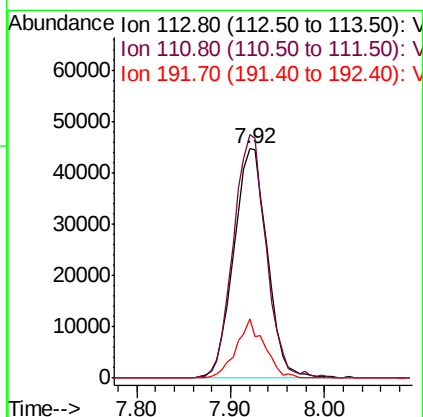
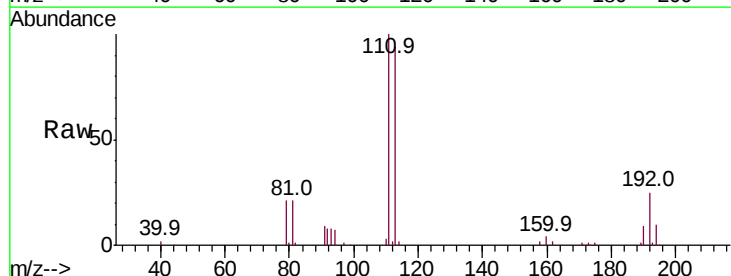
Instrument :
MSVOA_D
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BARNUM-STREET-TEST-PIT-2

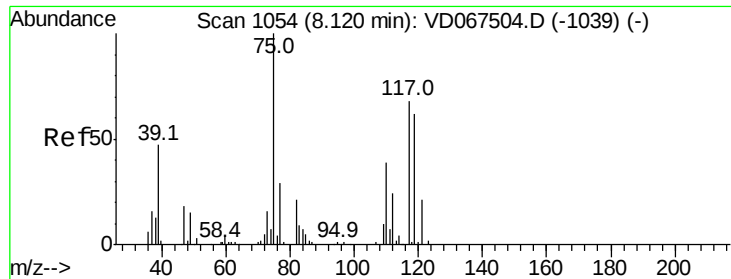
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	35.0
88	15.5	0.0	33.0



#35
Dibromofluoromethane
Concen: 55.501 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.0	120.0
192	21.7	16.3	24.5





#36

1,1-Dichloropropene

Concen: 5.450 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.14 min

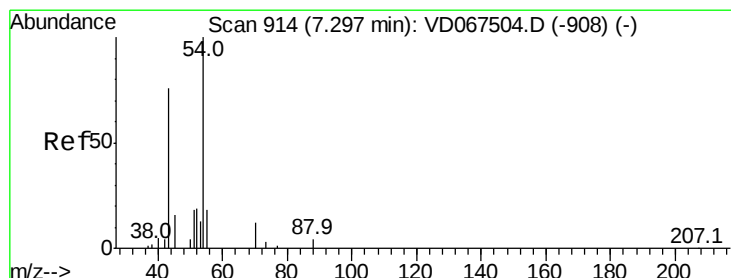
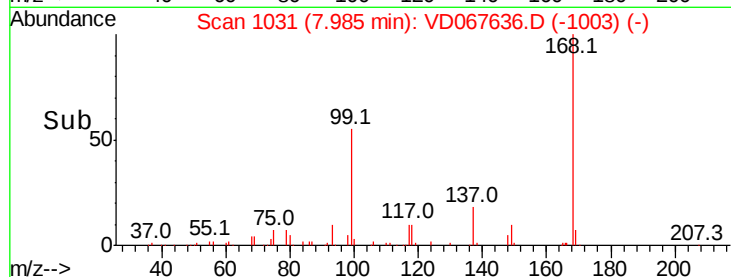
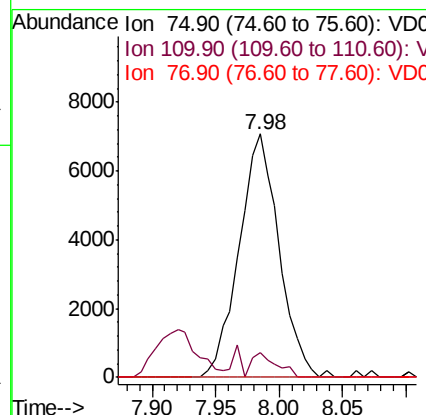
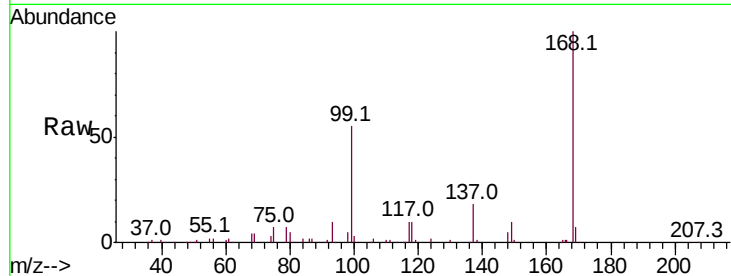
Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

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

Tot Ion: 75 Resp: 15431

Ion	Ratio	Lower	Upper
75	100		
110	6.2	19.9	59.7#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 19.689 ug/l

RT: 7.21 min Scan# 899

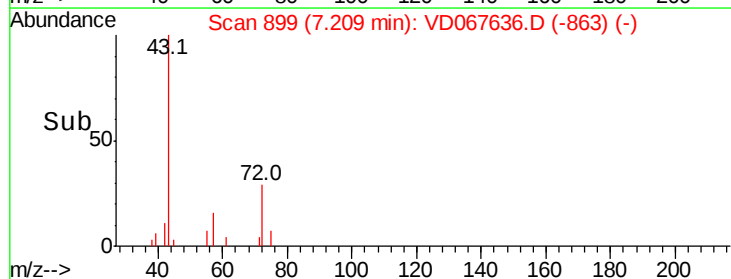
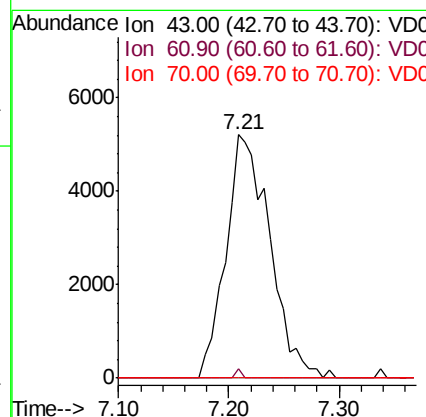
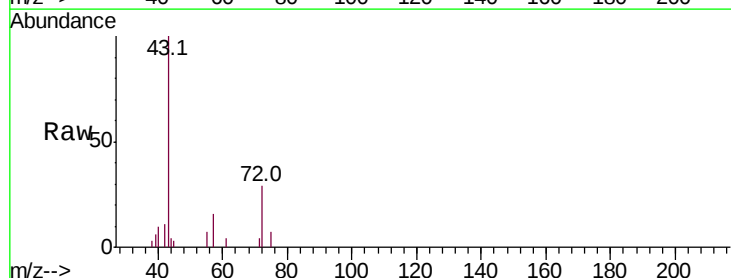
Delta R.T. -0.09 min

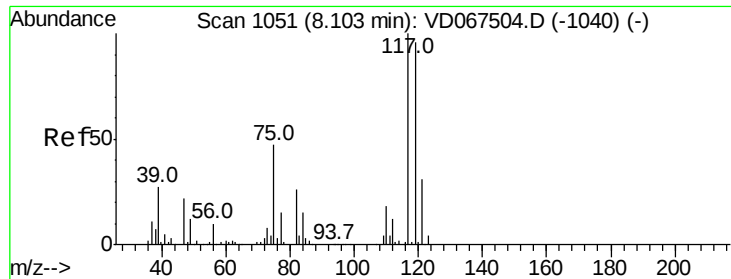
Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Tgt Ion: 43 Resp: 14472

Ion	Ratio	Lower	Upper
43	100		
61	0.5	12.8	19.2#
70	0.0	11.7	17.5#

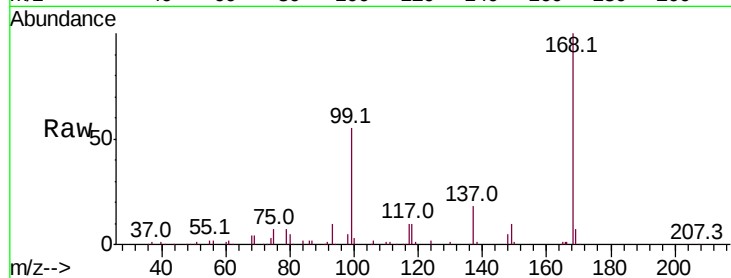




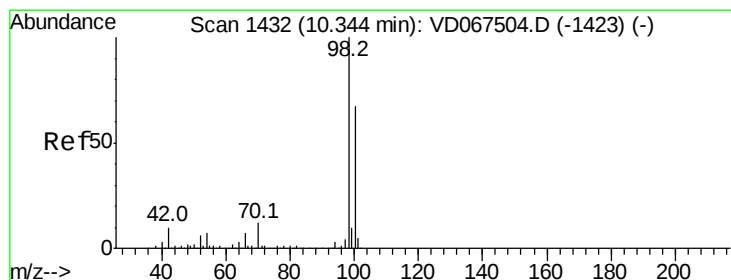
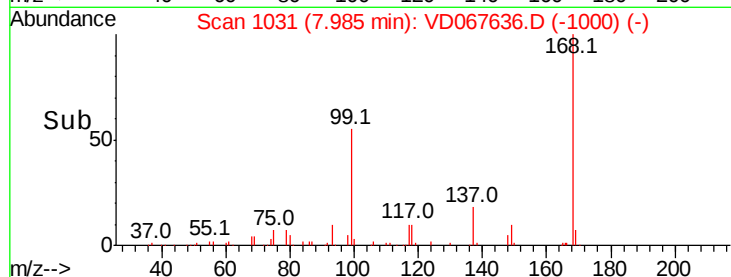
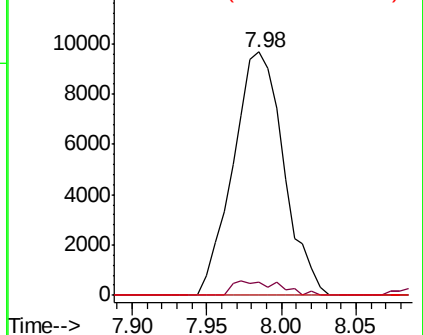
#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

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

Tot Ion:117 Resp: 22710
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.5 36.7#

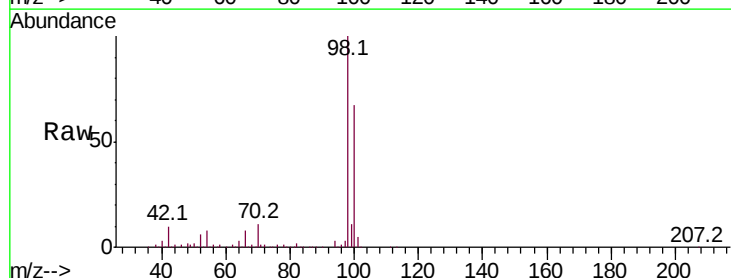


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

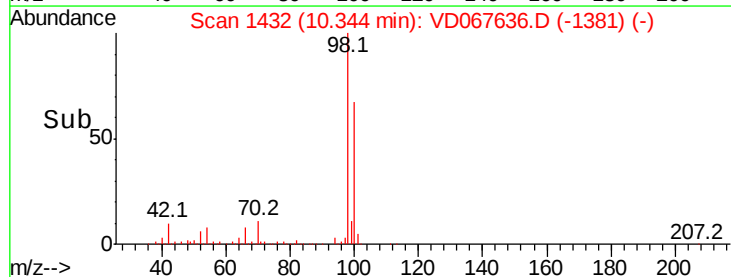
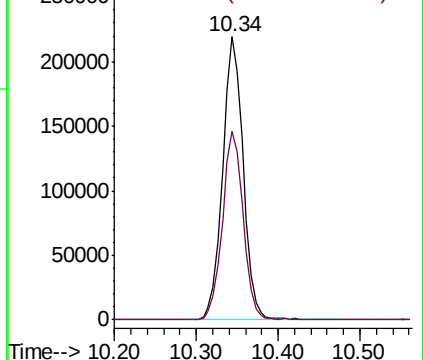


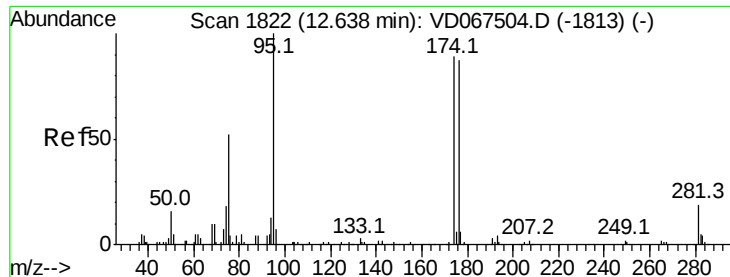
#50
Toluene-d8
Concen: 54.799 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

Tgt Ion: 98 Resp: 383753
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

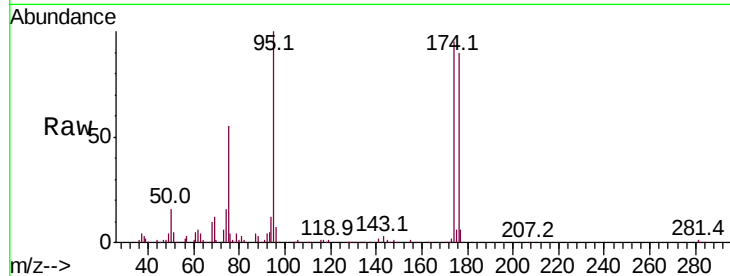




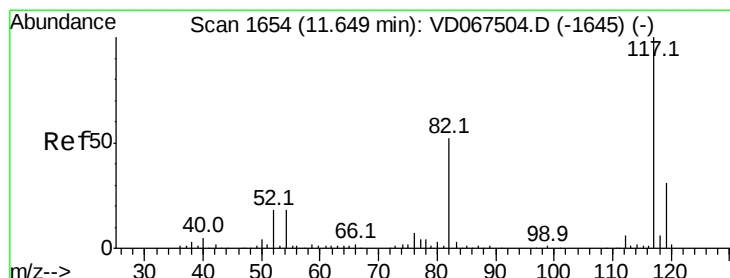
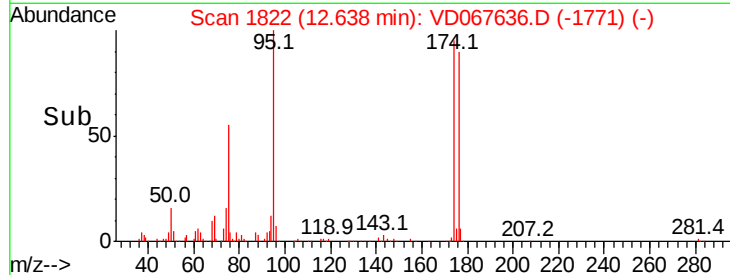
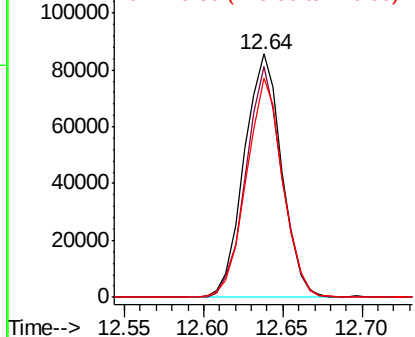
#62
4-Bromofluorobenzene
Concen: 58.188 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

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

Tot Ion: 95 Resp: 140685
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.8
176 87.0 0.0 172.0

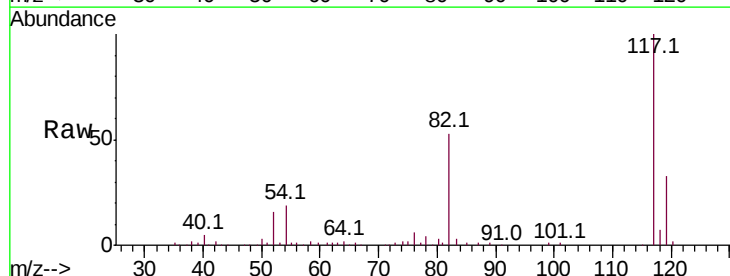


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

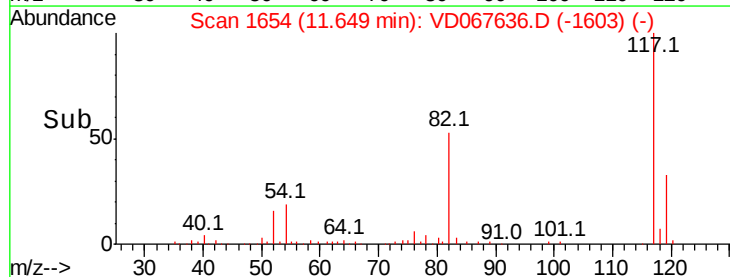
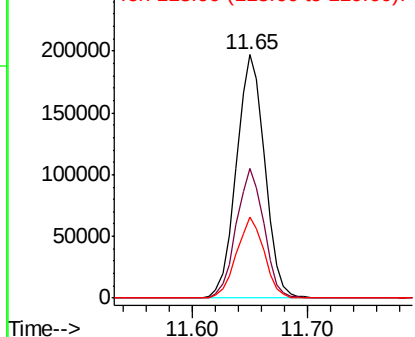


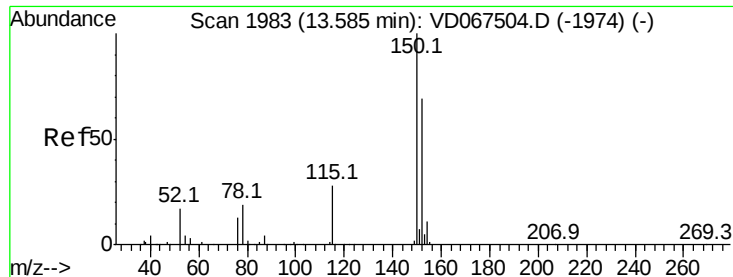
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067636.D
Acq: 16 Nov 2020 13:07

Tgt Ion: 117 Resp: 334371
Ion Ratio Lower Upper
117 100
82 53.2 41.6 62.4
119 33.1 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-2

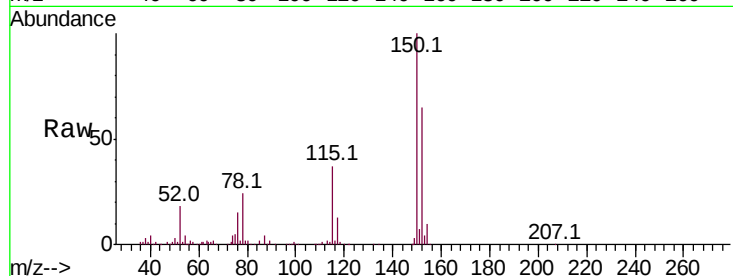
Tot Ion:152 Resp: 152453

Ion Ratio Lower Upper

152 100

115 57.2 29.3 88.0

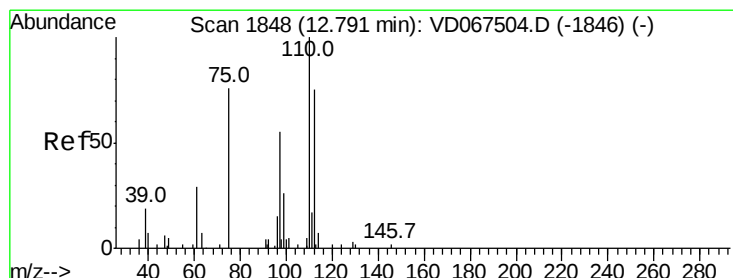
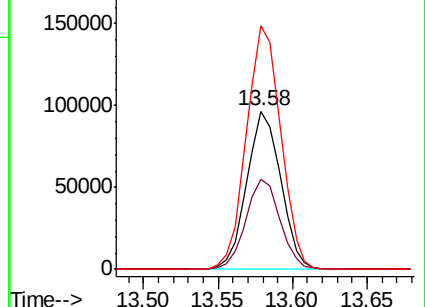
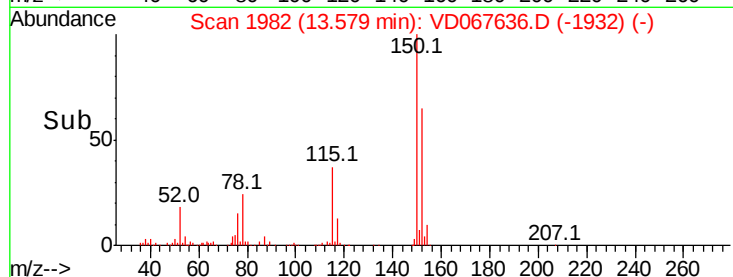
150 155.8 0.0 338.2



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: 81.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067636.D

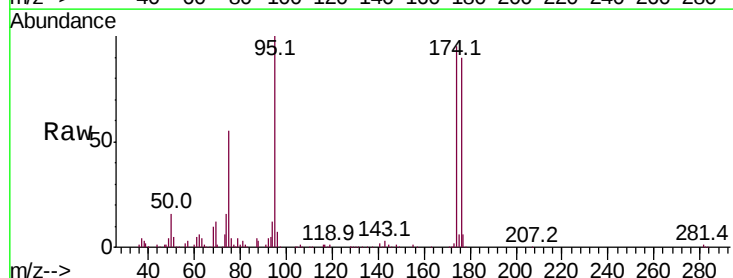
Acq: 16 Nov 2020 13:07

Tgt Ion: 75 Resp: 74950

Ion Ratio Lower Upper

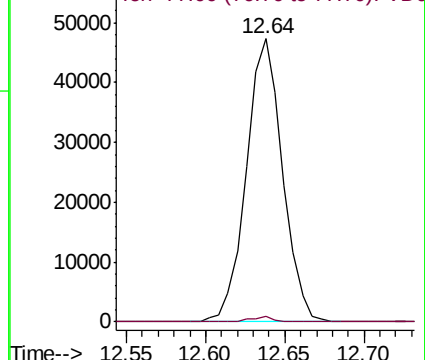
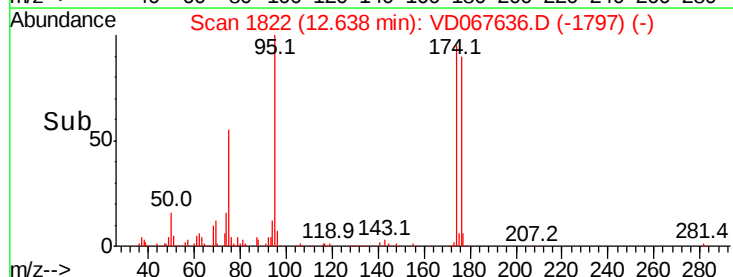
75 100

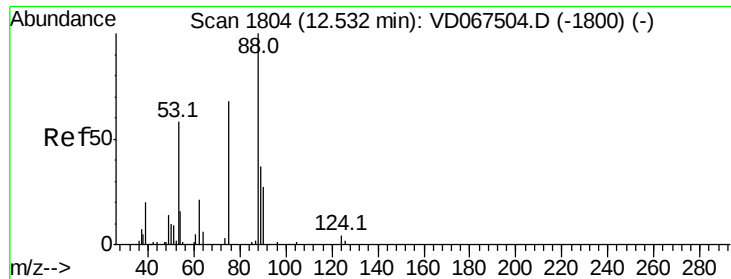
77 1.2 0.0 0.0#



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: 165.457 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067636.D

Acq: 16 Nov 2020 13:07

Instrument :

MSVOA_D

ClientSampleId :

BARNUM-STREET-TEST-PIT-2

Tot Ion: 75 Resp: 74950

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

