

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012422\
 Data File : VD071777.D
 Acq On : 24 Jan 2022 14:53
 Operator : VA/SY
 Sample : N1243-02
 Misc : 6.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AMI-1

Quant Time: Jan 25 04:11:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

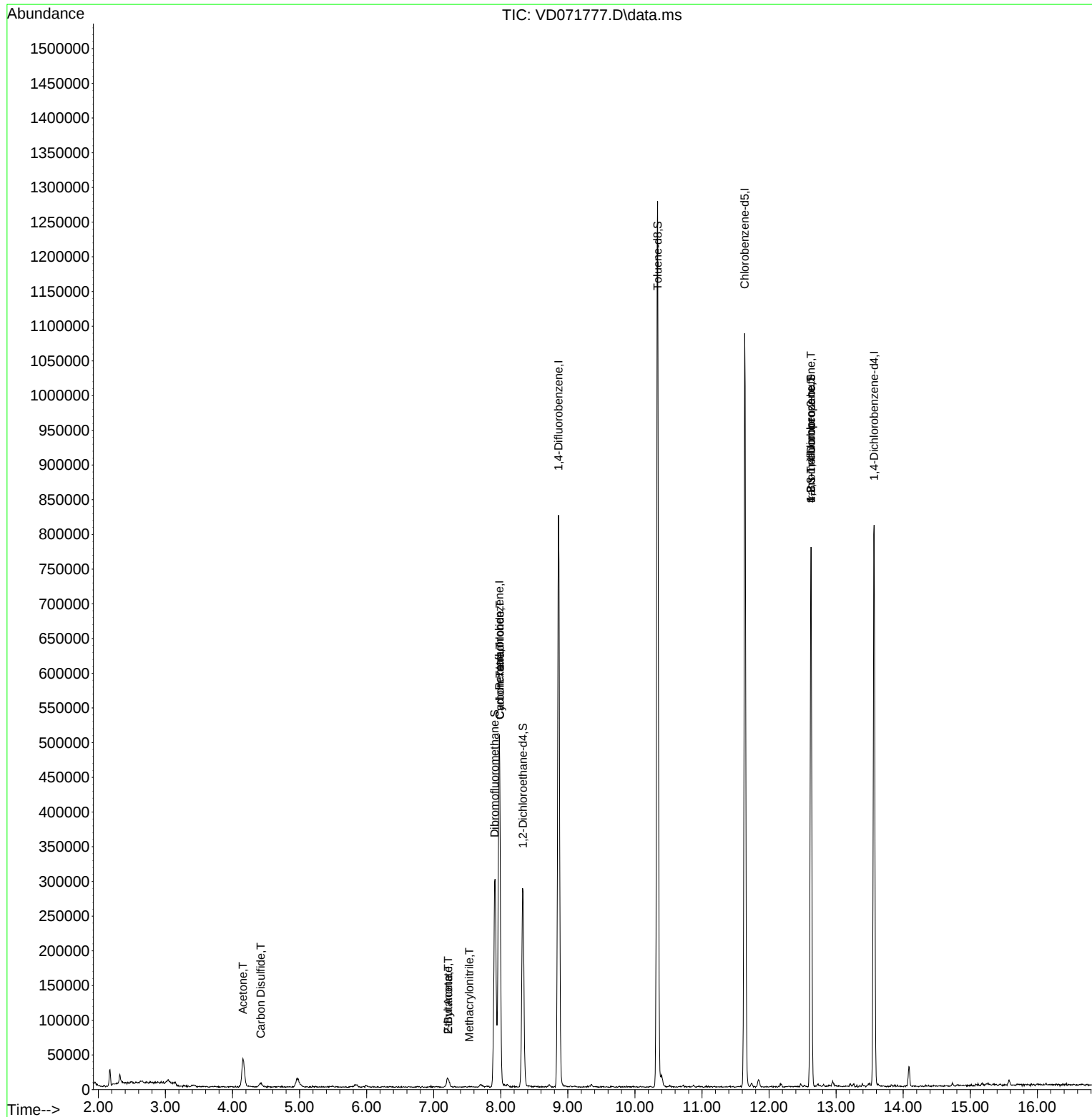
Internal Standards						
1) Pentafluorobenzene	7.979	168	342061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	648026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	559573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	199380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	226944	51.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.120%	
35) Dibromofluoromethane	7.908	113	214321	50.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.080%	
50) Toluene-d8	10.338	98	825025	51.463	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.920%	
62) 4-Bromofluorobenzene	12.626	95	224958	39.822	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	193	Below Cal	#	54
3) Chloromethane	2.220	50	714	Below Cal	#	43
5) Bromomethane	2.785	94	851	Below Cal		93
11) Tert butyl alcohol	5.197	59	235	Below Cal	#	75
16) Acetone	4.156	43	72990	71.829	ug/l	95
17) Carbon Disulfide	4.420	76	7896	1.493	ug/l #	94
18) Methyl Acetate	4.720	43	271	Below Cal	#	56
20) Methylene Chloride	4.979	84	8895	Below Cal	#	77
25) 2-Butanone	7.214	43	20161	16.792	ug/l	97
31) Cyclohexane	7.985	56	12579	2.372	ug/l #	62
37) Ethyl Acetate	7.214	43	20161	7.111	ug/l #	71
38) Carbon Tetrachloride	7.985	117	38755	6.264	ug/l #	16
41) Methacrylonitrile	7.532	41	196	1.240	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	132355	68.700	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	132355	191.528	ug/l #	3

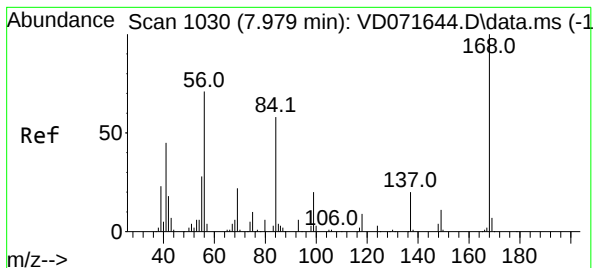
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 07 15:39:14 2022
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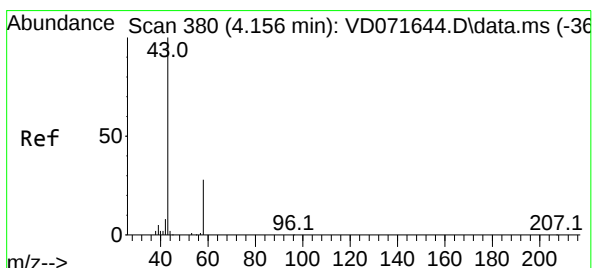
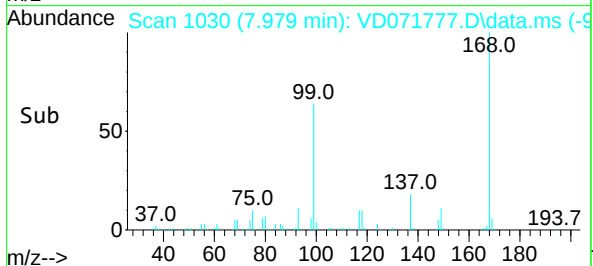
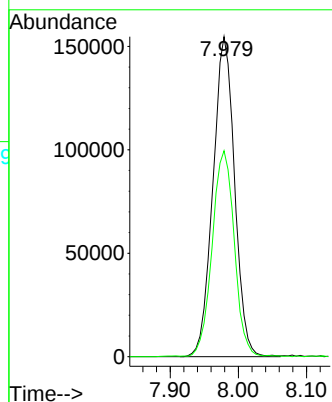
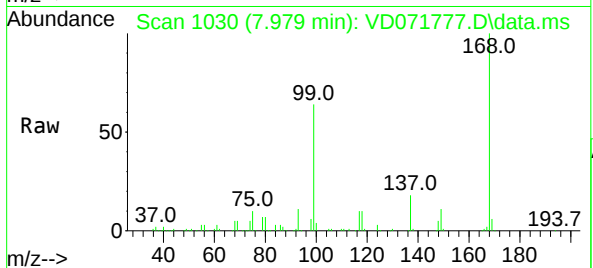




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

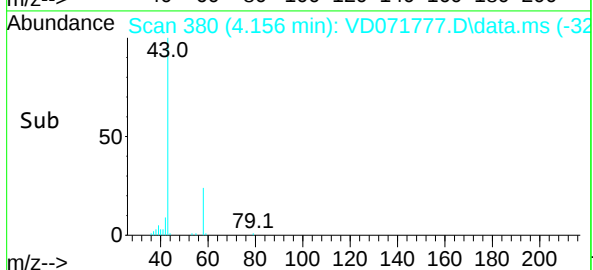
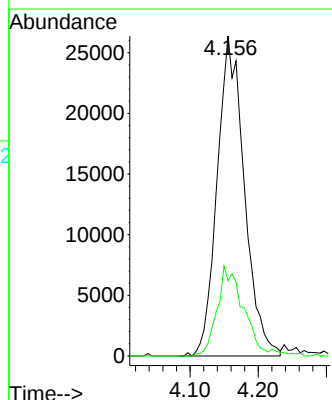
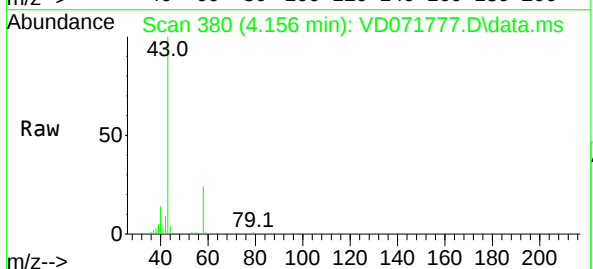
Instrument :
MSVOA_D
ClientSampleId :
AMI-1

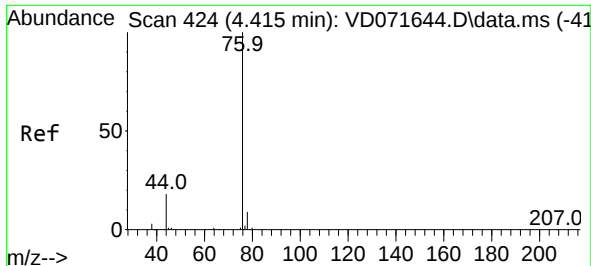
Tgt Ion:168 Resp: 342061
Ion Ratio Lower Upper
168 100
99 64.2 51.8 77.6



#16
Acetone
Concen: 71.829 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

Tgt Ion: 43 Resp: 72990
Ion Ratio Lower Upper
43 100
58 23.6 21.0 31.6

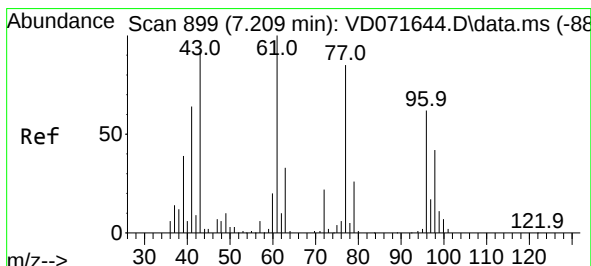
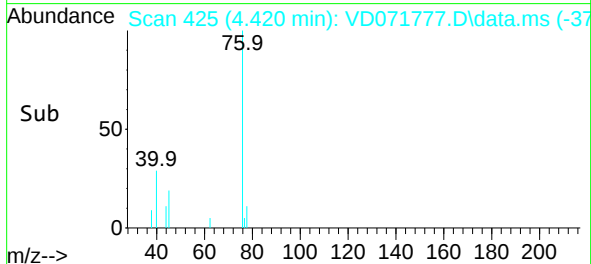
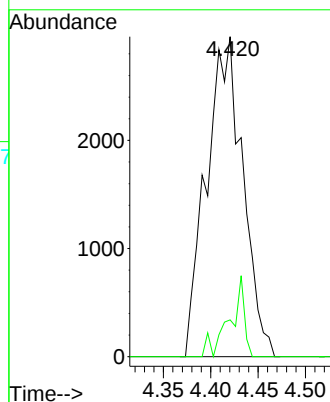
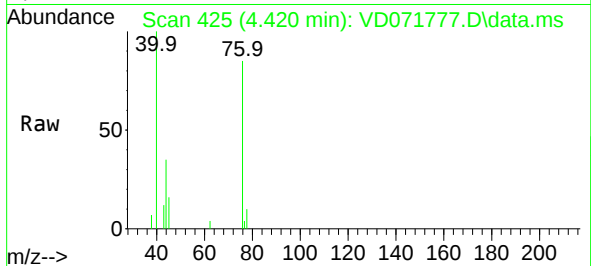




#17
Carbon Disulfide
Concen: 1.493 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

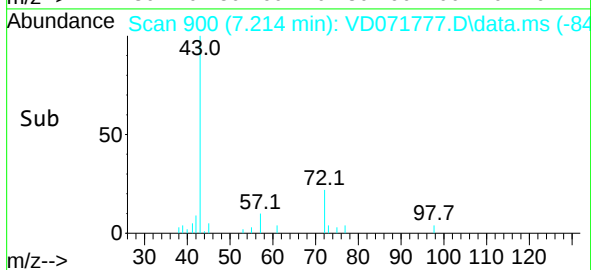
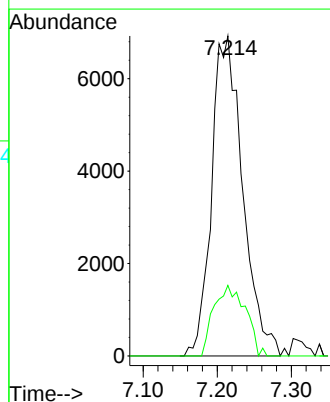
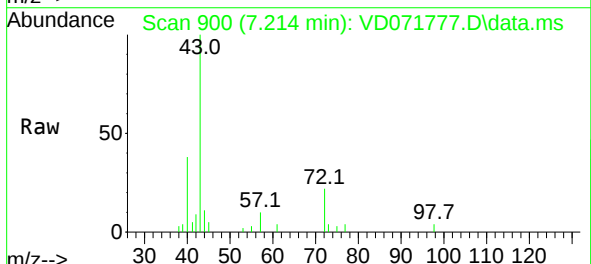
Instrument :
MSVOA_D
ClientSampleId :
AMI-1

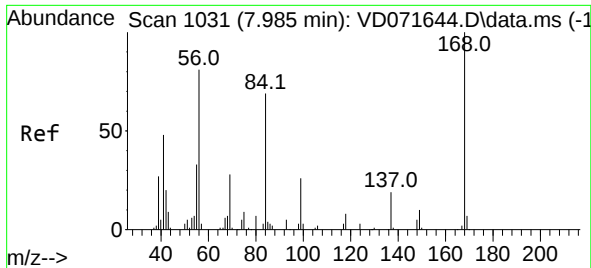
Tgt Ion: 76 Resp: 7896
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.2#



#25
2-Butanone
Concen: 16.792 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

Tgt Ion: 43 Resp: 20161
Ion Ratio Lower Upper
43 100
72 22.0 16.4 24.6

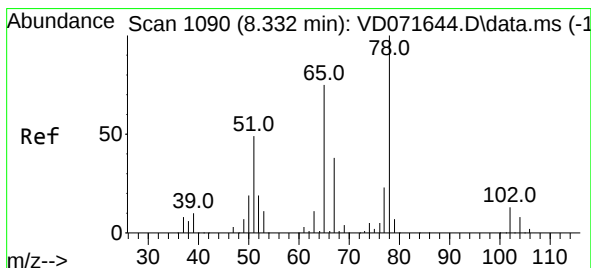
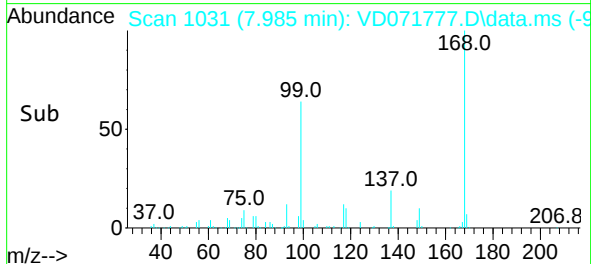
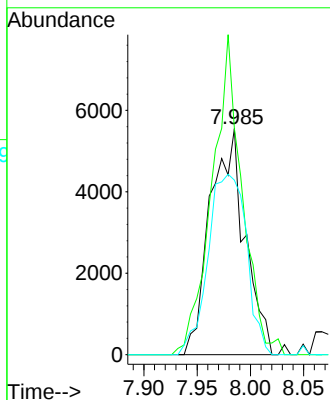
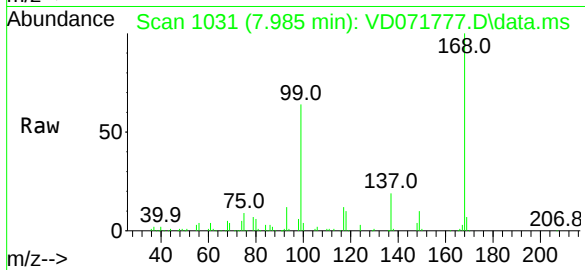




#31
Cyclohexane
Concen: 2.372 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.005 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

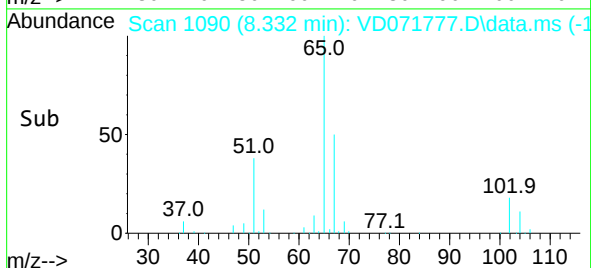
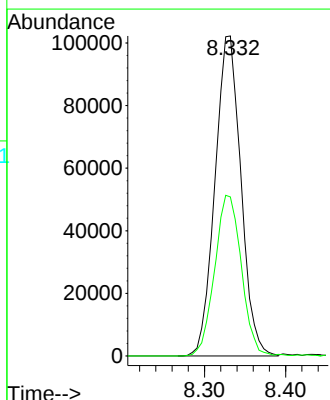
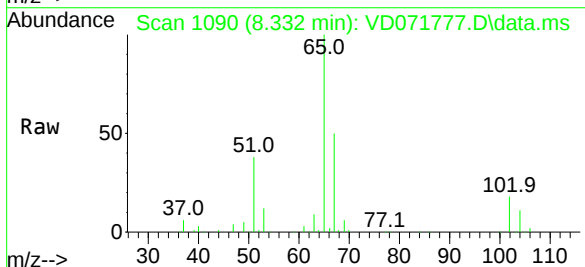
Instrument :
MSVOA_D
ClientSampleId :
AMI-1

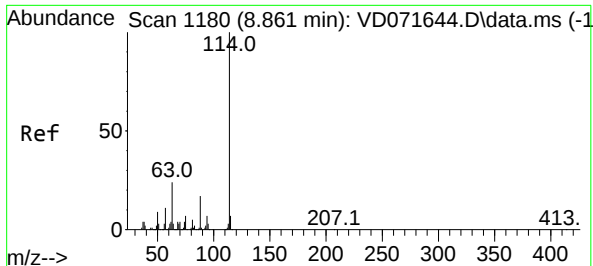
Tgt Ion: 56 Resp: 12579
Ion Ratio Lower Upper
56 100
69 97.4 21.7 32.5#
84 77.3 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 51.562 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

Tgt Ion: 65 Resp: 226944
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071777.D

Acq: 24 Jan 2022 14:53

Instrument :

MSVOA_D

ClientSampleId :

AMI-1

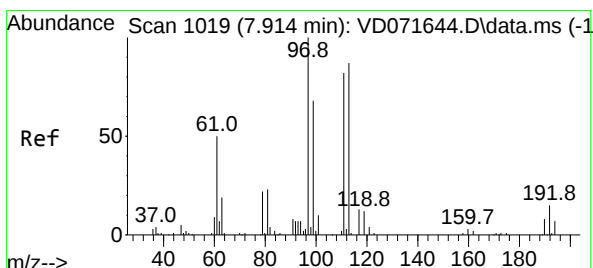
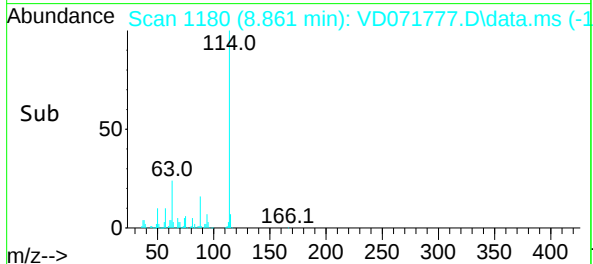
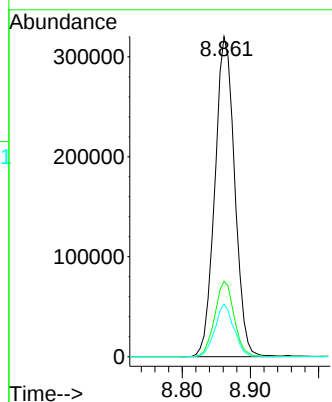
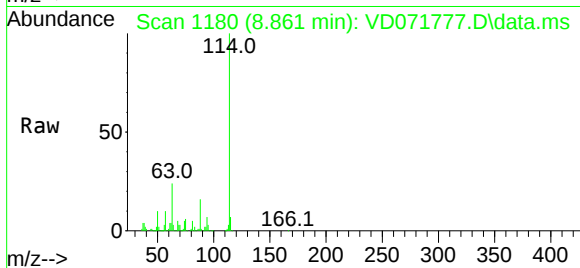
Tgt Ion:114 Resp: 648026

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.2

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.044 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071777.D

Acq: 24 Jan 2022 14:53

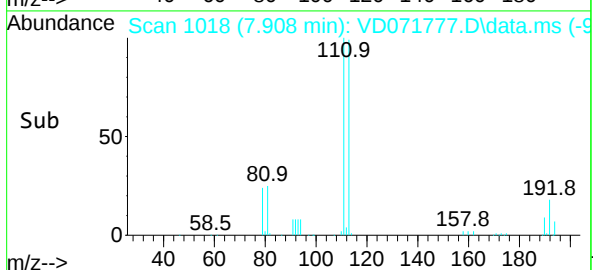
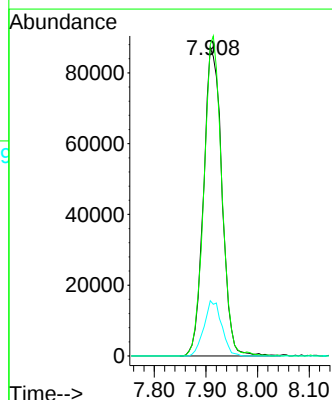
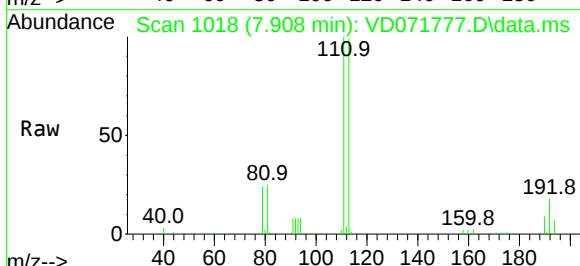
Tgt Ion:113 Resp: 214321

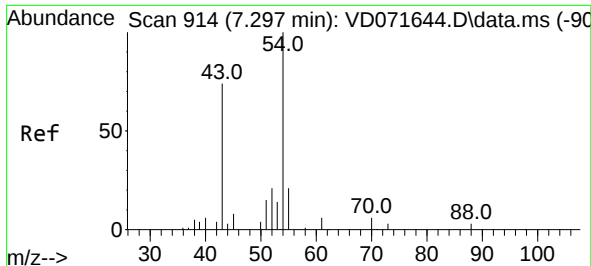
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 17.3 14.2 21.2





#37

Ethyl Acetate

Concen: 7.111 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.077 min

Lab File: VD071777.D

Acq: 24 Jan 2022 14:53

Instrument :

MSVOA_D

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AMI-1

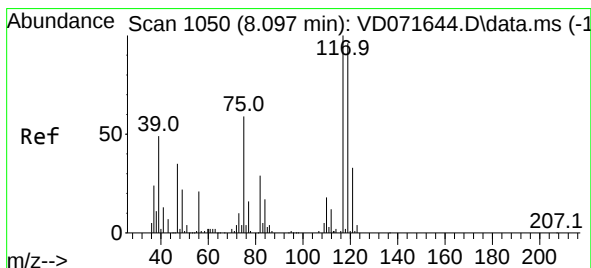
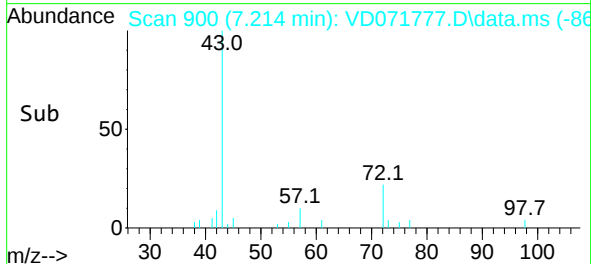
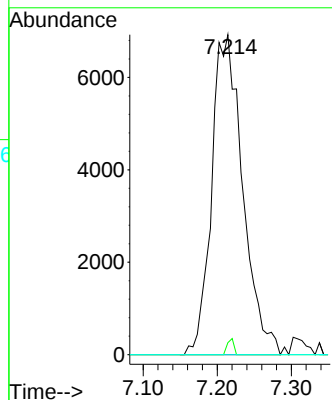
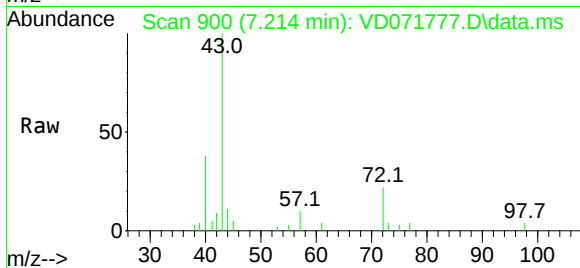
Tgt Ion: 43 Resp: 20161

Ion Ratio Lower Upper

43 100

61 1.1 11.0 16.4#

70 0.0 7.4 11.2#



#38

Carbon Tetrachloride

Concen: 6.264 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.111 min

Lab File: VD071777.D

Acq: 24 Jan 2022 14:53

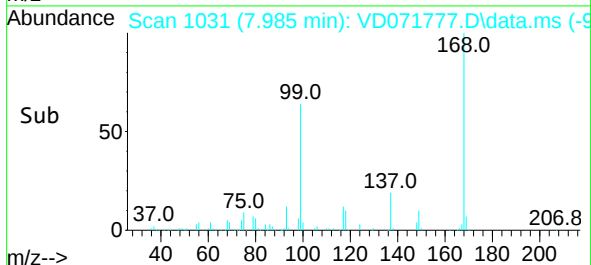
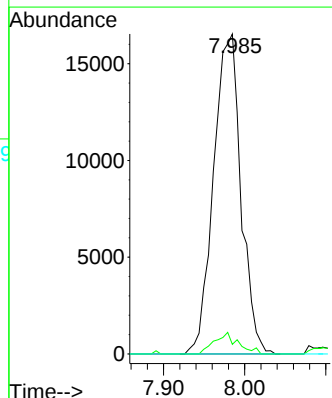
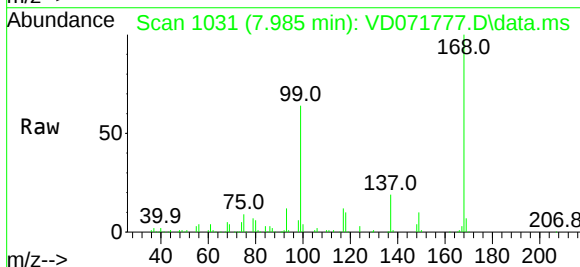
Tgt Ion: 117 Resp: 38755

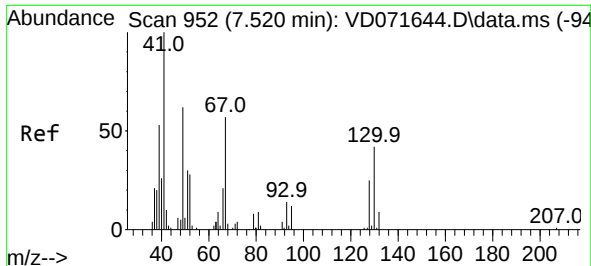
Ion Ratio Lower Upper

117 100

119 3.0 73.4 110.2#

121 0.0 23.9 35.9#

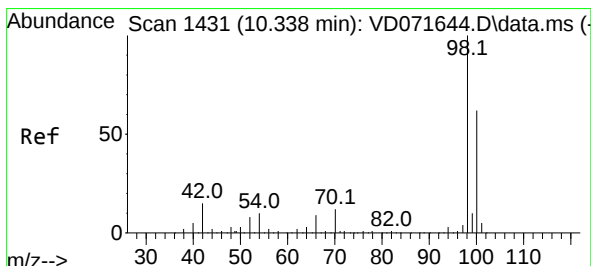
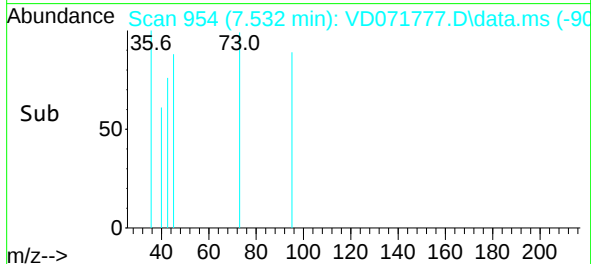
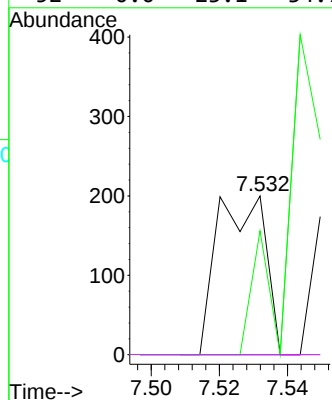
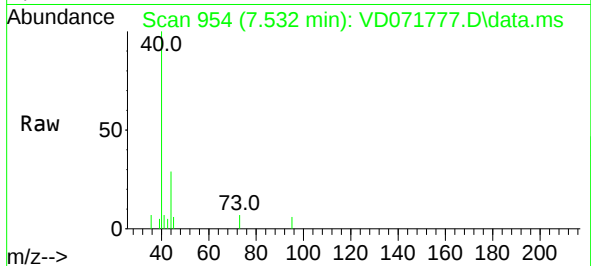




#41
Methacrylonitrile
Concen: 1.240 ug/l
RT: 7.532 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

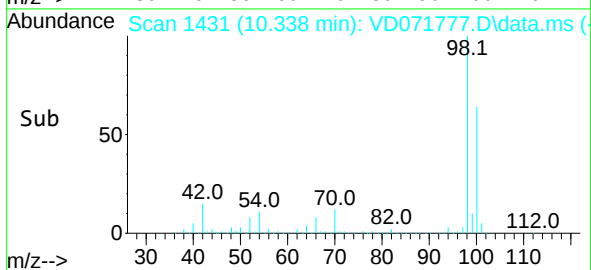
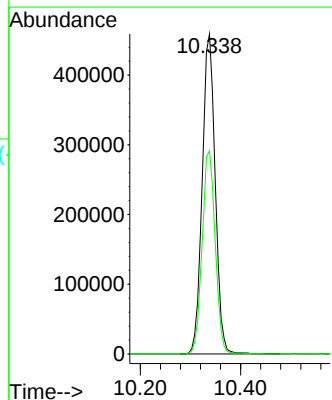
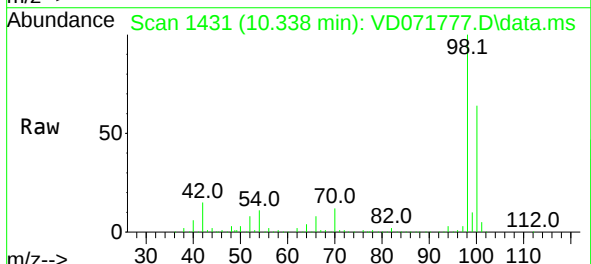
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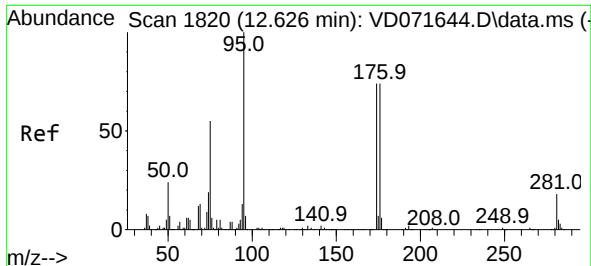
Tgt Ion: 41	Resp: 196
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 51.463 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

Tgt Ion: 98	Resp: 825025
Ion Ratio	Lower Upper
98 100	
100 64.1	52.1 78.1

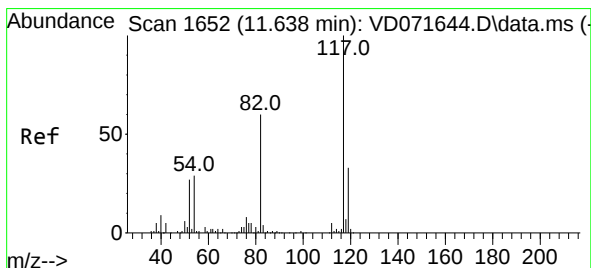
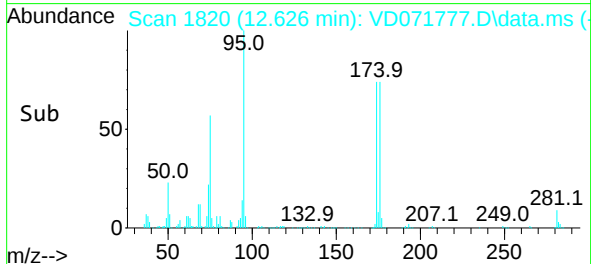
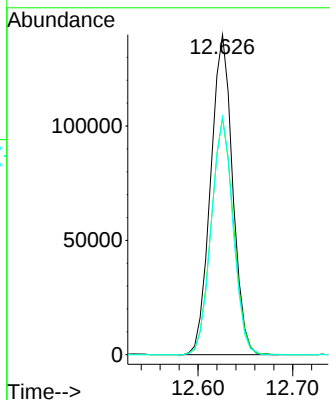
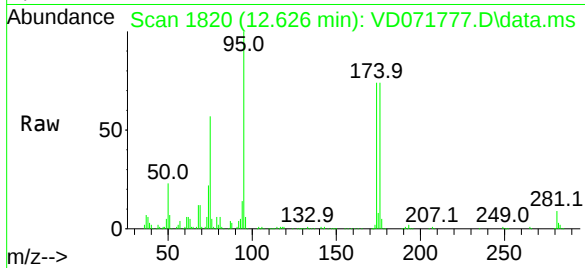




#62
4-Bromofluorobenzene
Concen: 39.822 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

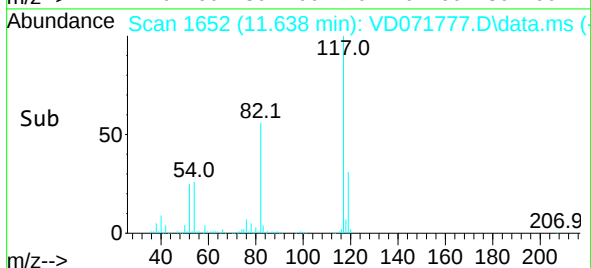
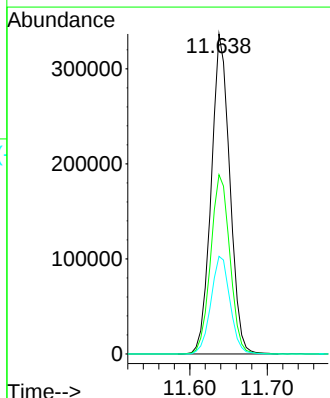
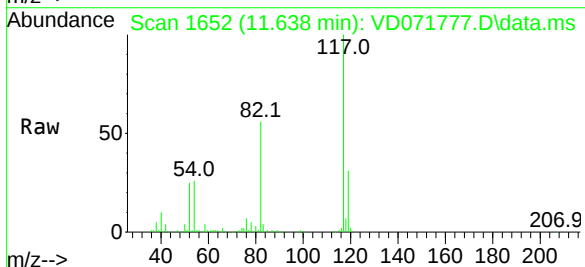
Instrument :
MSVOA_D
ClientSampleId :
AMI-1

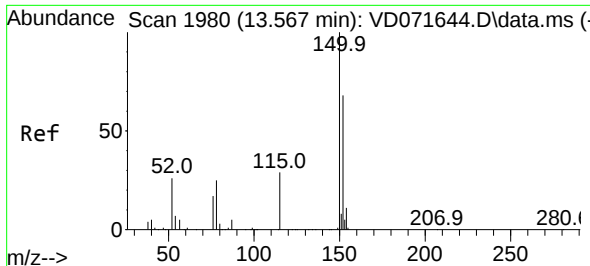
Tgt Ion: 95 Resp: 224958
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.0
176 73.6 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071777.D
Acq: 24 Jan 2022 14:53

Tgt Ion: 117 Resp: 559573
Ion Ratio Lower Upper
117 100
82 56.0 46.9 70.3
119 30.5 26.6 39.8

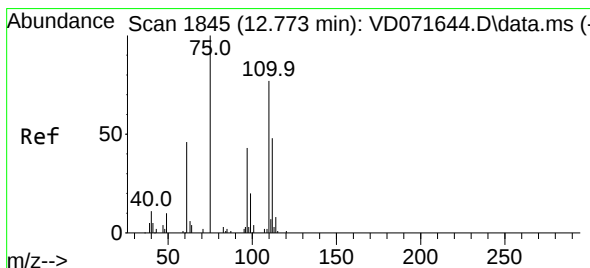
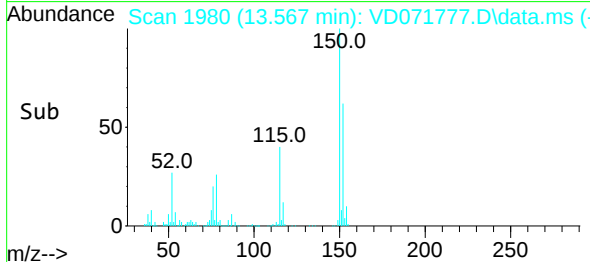
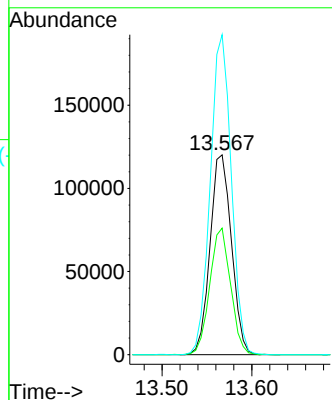
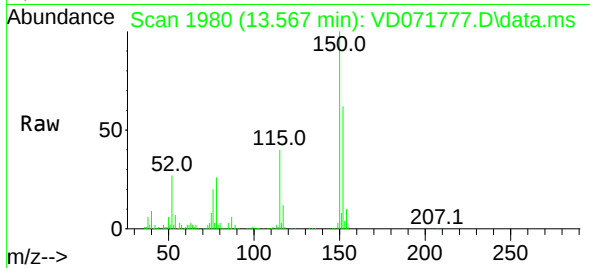




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071777.D
 Acq: 24 Jan 2022 14:53

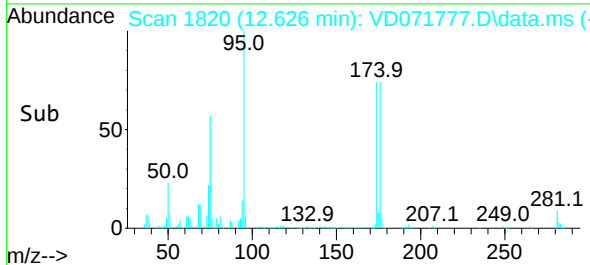
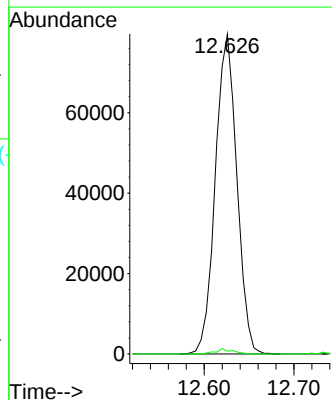
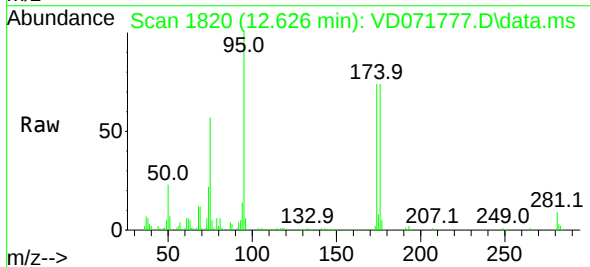
Instrument :
 MSVOA_D
 ClientSampleId :
 AMI-1

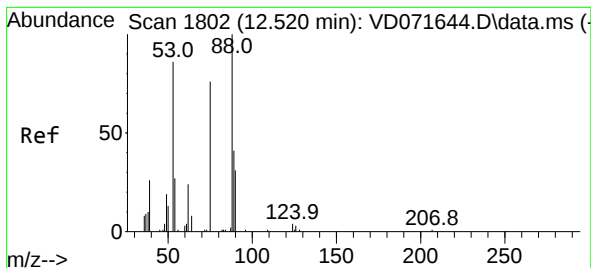
Tgt Ion:152 Resp: 199380
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.5 94.5
 150 156.9 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 68.700 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071777.D
 Acq: 24 Jan 2022 14:53

Tgt Ion: 75 Resp: 132355
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 191.528 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071777.D
 Acq: 24 Jan 2022 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 AMI-1

Tgt Ion: 75 Resp: 132355
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.4 143.0#
 89 0.0 37.2 55.8#

