

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012422\
 Data File : VD071776.D
 Acq On : 24 Jan 2022 14:25
 Operator : VA/SY
 Sample : N1243-06
 Misc : 4.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AMI-2

Quant Time: Jan 25 04:11:30 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)

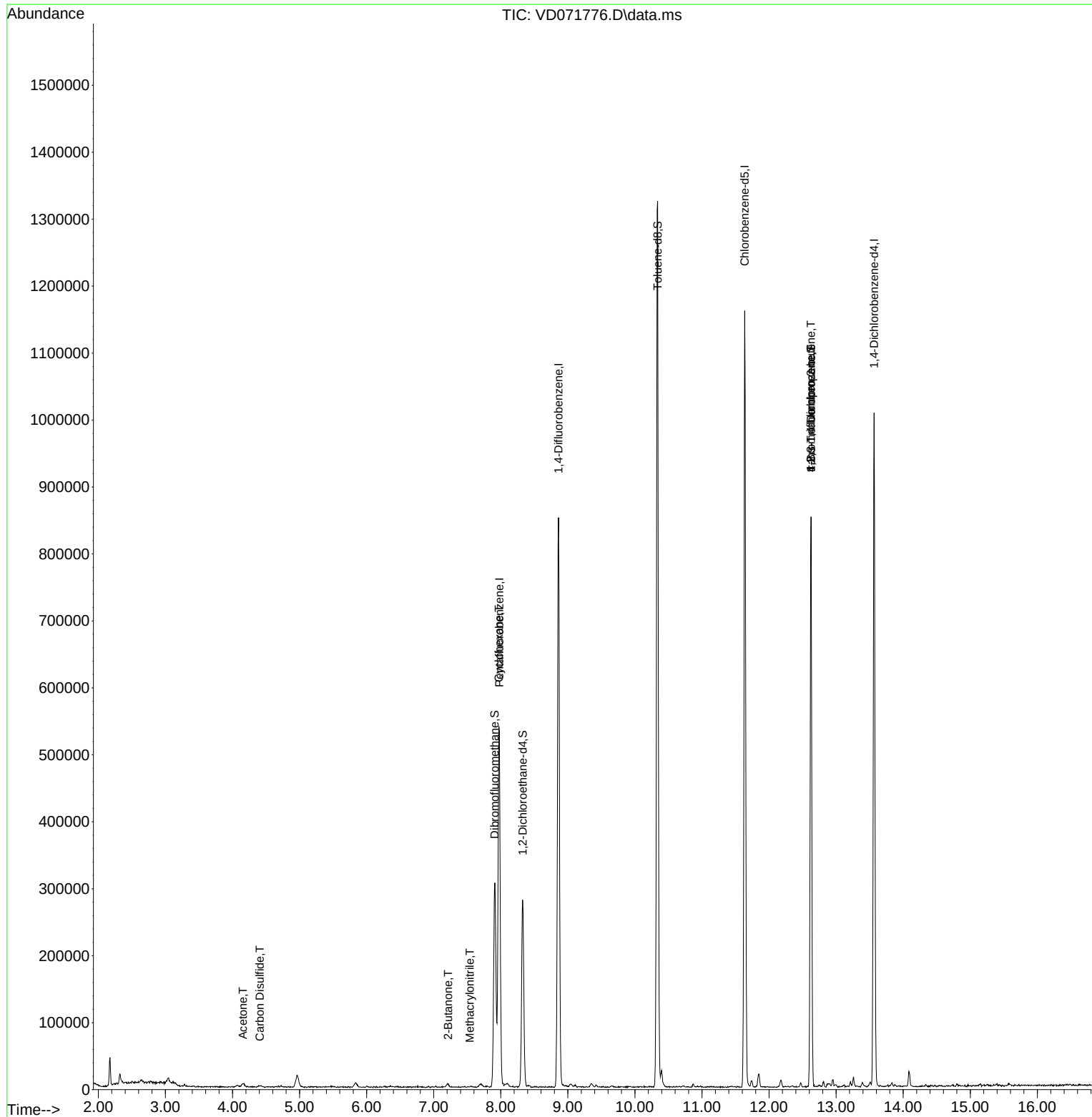
Internal Standards						
1) Pentafluorobenzene	7.979	168	363062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	675131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	598619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	247440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	229279	49.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.160%
35) Dibromofluoromethane	7.908	113	216876	48.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.220%
50) Toluene-d8	10.338	98	870690	52.131	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.260%
62) 4-Bromofluorobenzene	12.626	95	255465	43.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.820%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1056	Below Cal		78
3) Chloromethane	2.215	50	1358	Below Cal	#	74
5) Bromomethane	2.779	94	1123	Below Cal	#	58
11) Tert butyl alcohol	5.209	59	56	Below Cal	#	75
16) Acetone	4.156	43	10563	9.794	ug/l	97
17) Carbon Disulfide	4.409	76	4600	1.034	ug/l	# 89
18) Methyl Acetate	4.714	43	99	Below Cal	#	56
25) 2-Butanone	7.214	43	3346	2.626	ug/l	100
31) Cyclohexane	7.973	56	12452	2.234	ug/l	# 32
41) Methacrylonitrile	7.538	41	138	1.204	ug/l	# 54
76) 1,2,3-Trichloropropane	12.626	75	146855	61.421	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	146855	171.235	ug/l	# 3

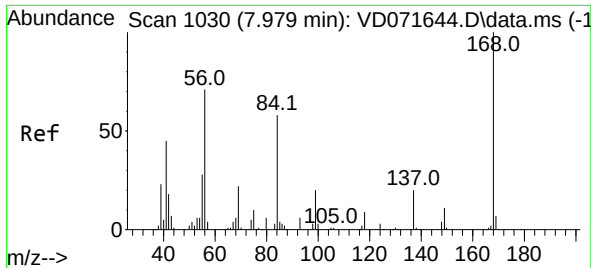
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
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Response via : Initial Calibration

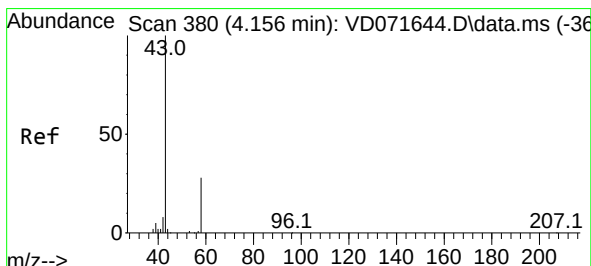
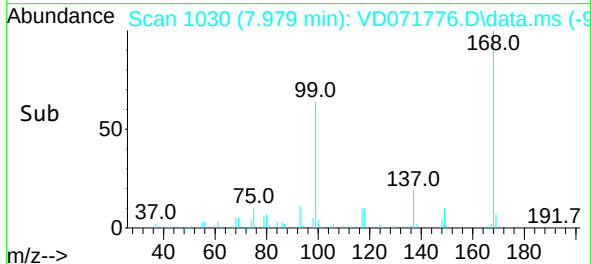
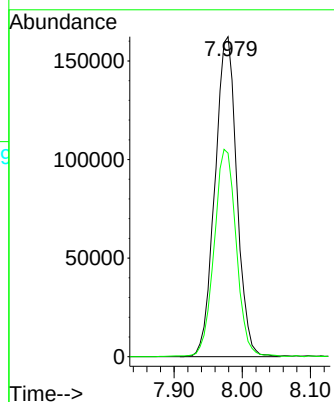
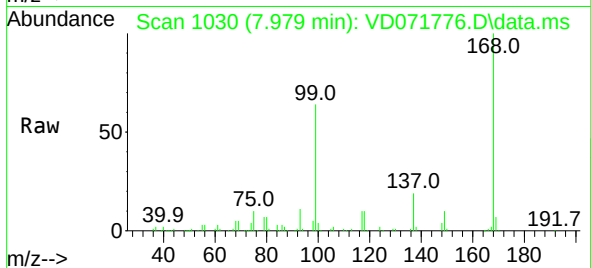




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

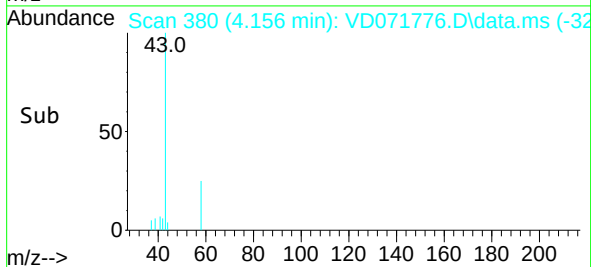
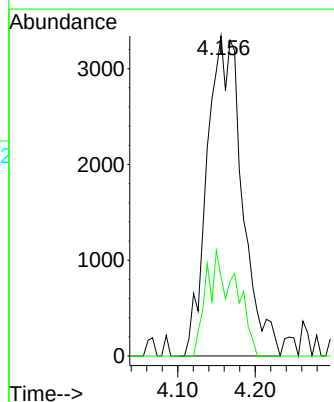
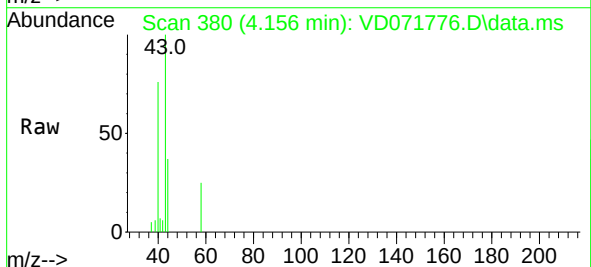
Instrument :
MSVOA_D
ClientSampleId :
AMI-2

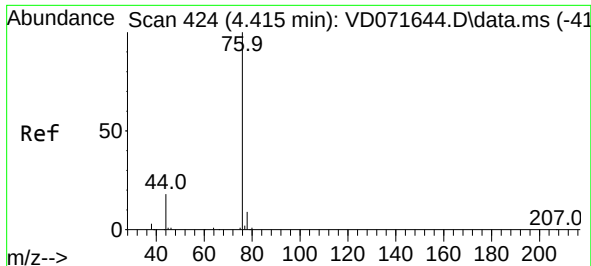
Tgt Ion:168 Resp: 363062
Ion Ratio Lower Upper
168 100
99 63.4 51.8 77.6



#16
Acetone
Concen: 9.794 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

Tgt Ion: 43 Resp: 10563
Ion Ratio Lower Upper
43 100
58 24.7 21.0 31.6

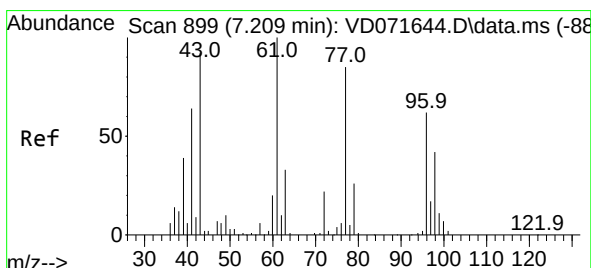
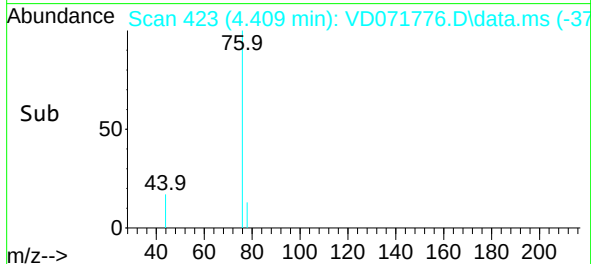
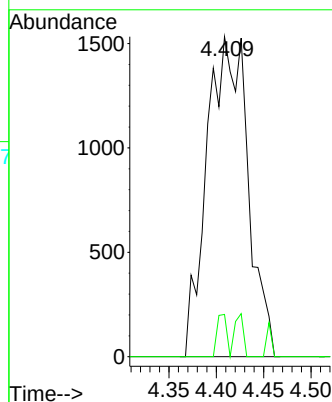
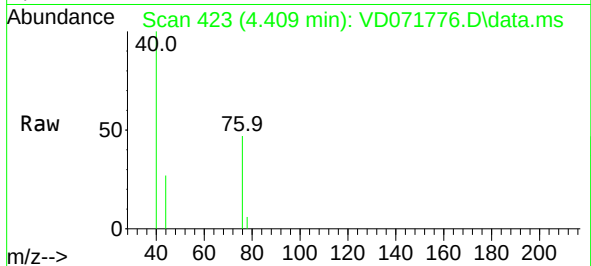




#17
Carbon Disulfide
Concen: 1.034 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

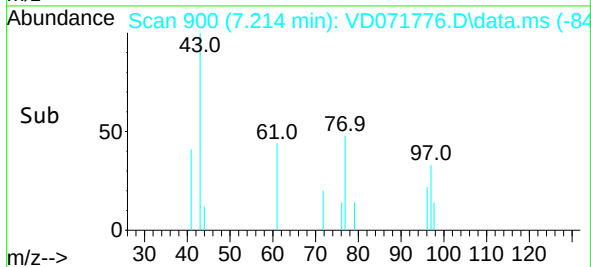
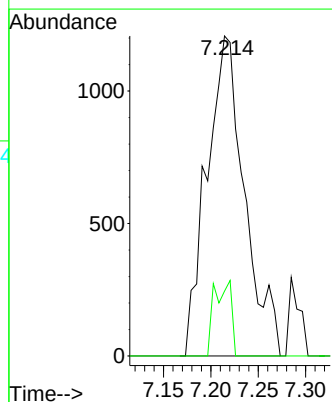
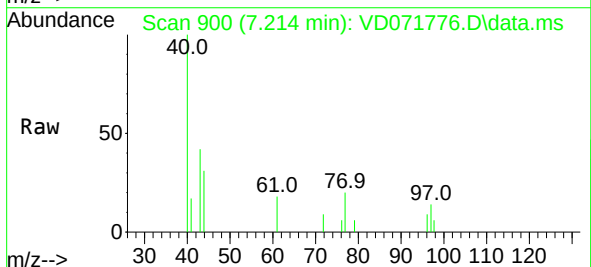
Instrument :
MSVOA_D
ClientSampleId :
AMI-2

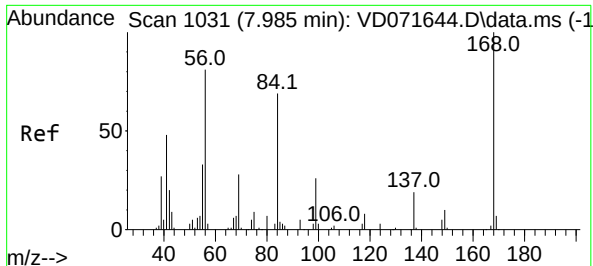
Tgt Ion: 76 Resp: 4600
Ion Ratio Lower Upper
76 100
78 13.2 7.4 11.2#



#25
2-Butanone
Concen: 2.626 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

Tgt Ion: 43 Resp: 3346
Ion Ratio Lower Upper
43 100
72 20.3 16.4 24.6





#31

Cyclohexane

Concen: 2.234 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD071776.D

Acq: 24 Jan 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

AMI-2

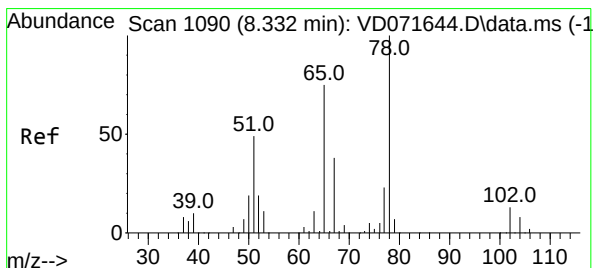
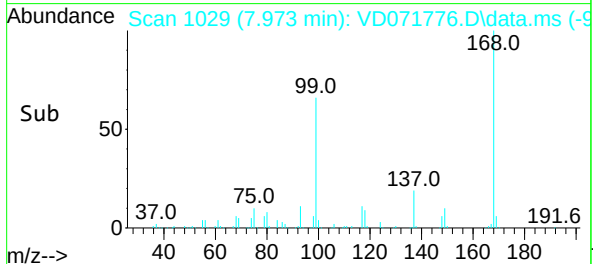
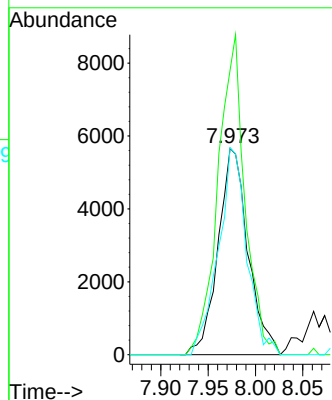
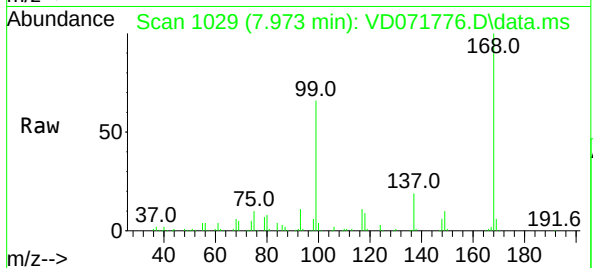
Tgt Ion: 56 Resp: 12452

Ion Ratio Lower Upper

56 100

69 138.0 21.7 32.5#

84 100.3 65.7 98.5#



#33

1,2-Dichloroethane-d4

Concen: 49.080 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD071776.D

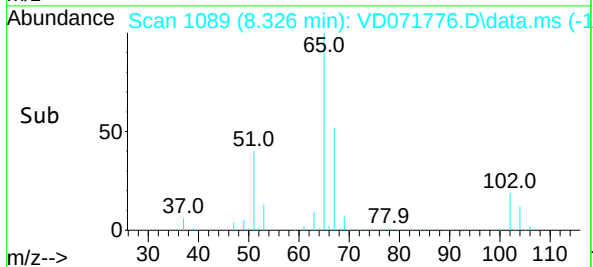
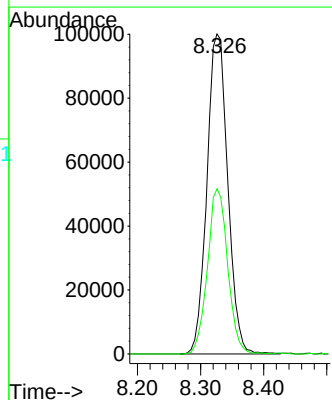
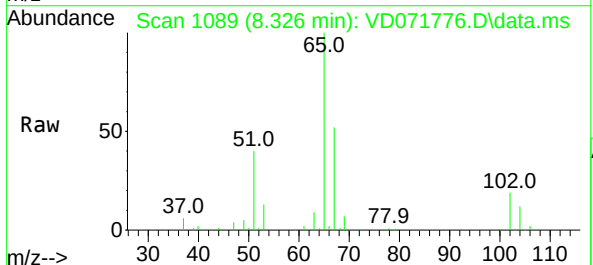
Acq: 24 Jan 2022 14:25

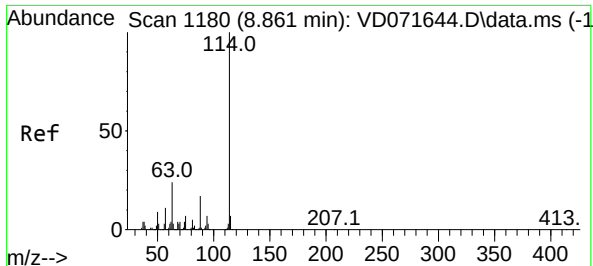
Tgt Ion: 65 Resp: 229279

Ion Ratio Lower Upper

65 100

67 50.2 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: VD071776.D

Acq: 24 Jan 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

AMI-2

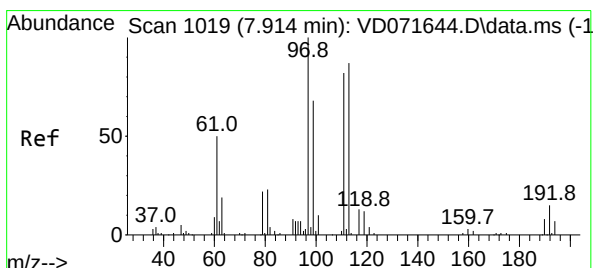
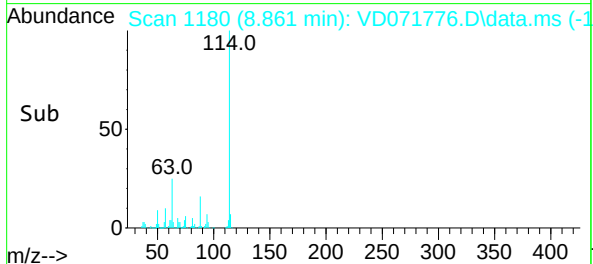
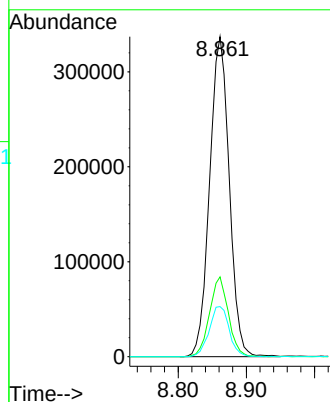
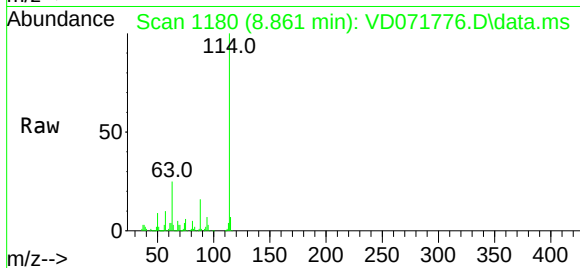
Tgt Ion:114 Resp: 675131

Ion Ratio Lower Upper

114 100

63 25.0 0.0 46.2

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.608 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071776.D

Acq: 24 Jan 2022 14:25

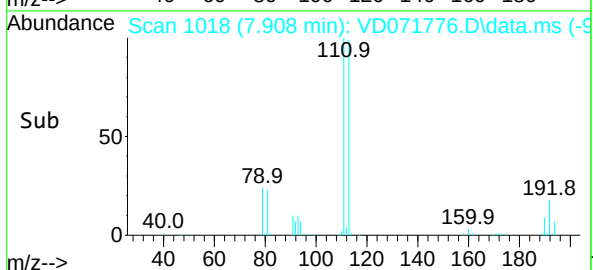
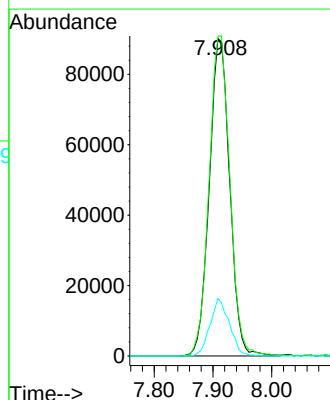
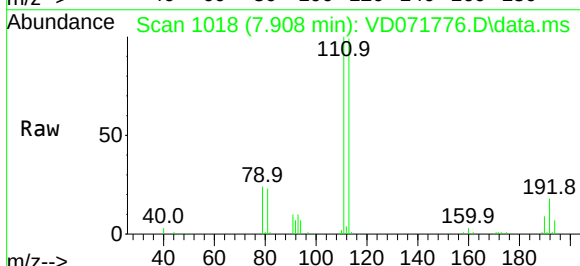
Tgt Ion:113 Resp: 216876

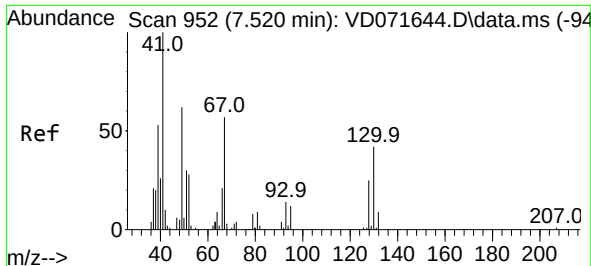
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 17.2 14.2 21.2

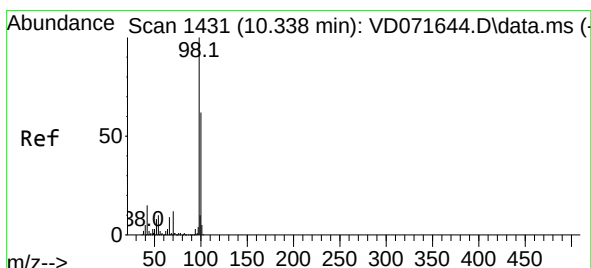
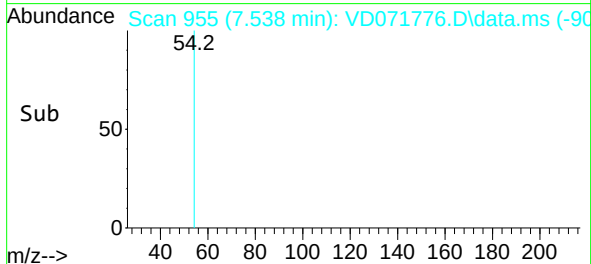
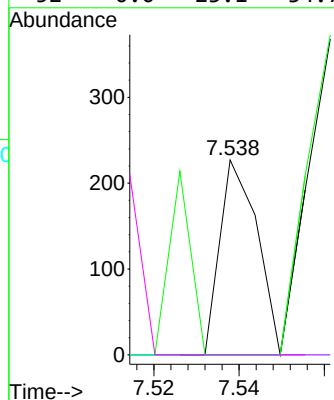
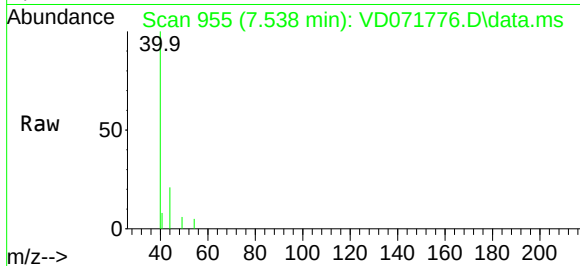




#41
Methacrylonitrile
Concen: 1.204 ug/l
RT: 7.538 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

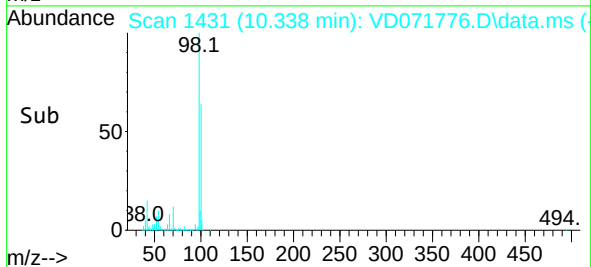
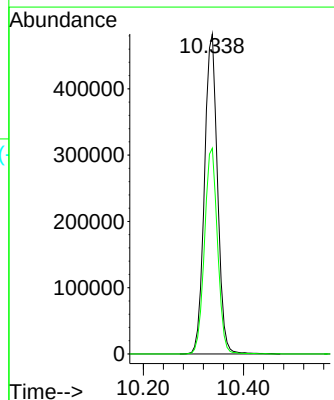
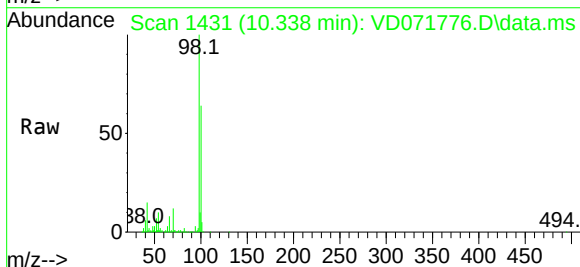
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ClientSampleId :
AMI-2

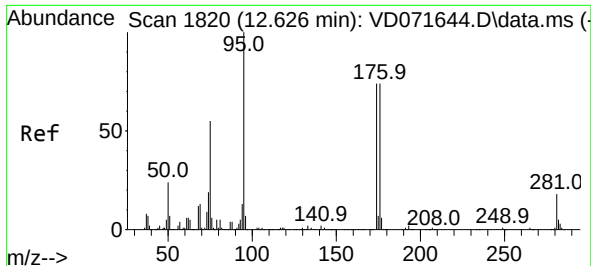
Tgt Ion: 41	Resp:	138
Ion	Ratio	Lower Upper
41	100	
39	55.1	46.9 70.3
67	0.0	49.3 73.9#
52	0.0	23.1 34.7#



#50
Toluene-d8
Concen: 52.131 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

Tgt Ion: 98	Resp:	870690
Ion	Ratio	Lower Upper
98	100	
100	64.4	52.1 78.1

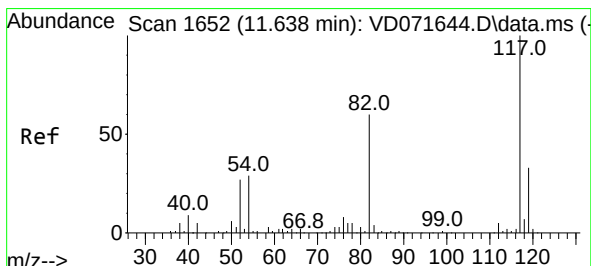
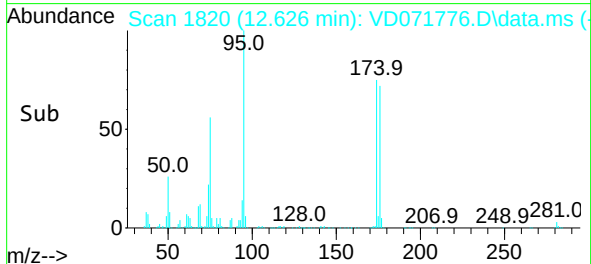
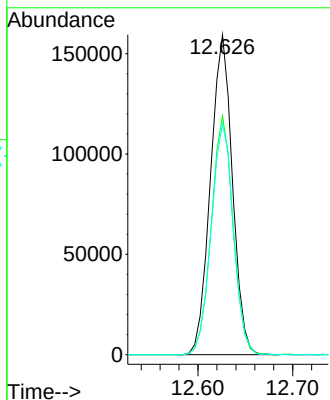
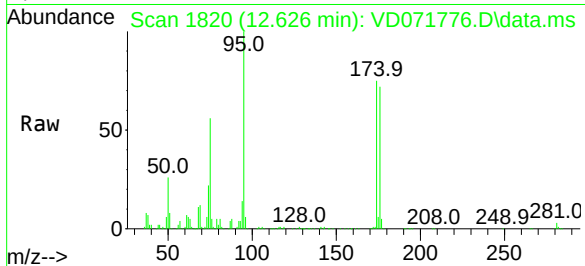




#62
4-Bromofluorobenzene
Concen: 43.407 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

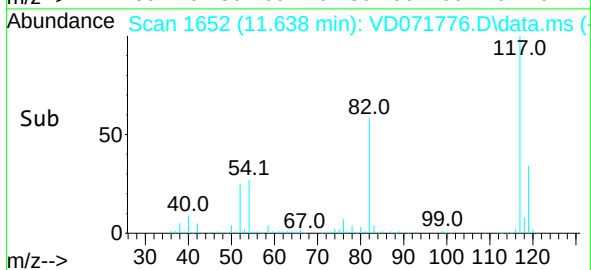
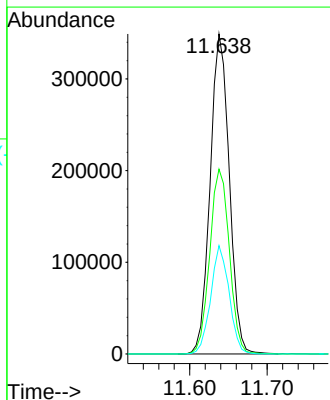
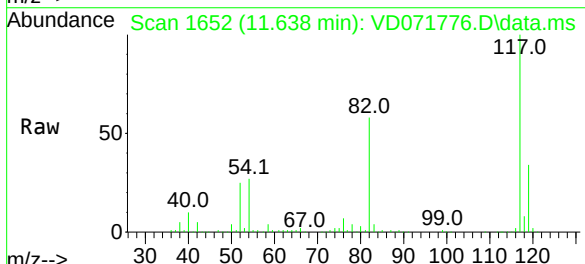
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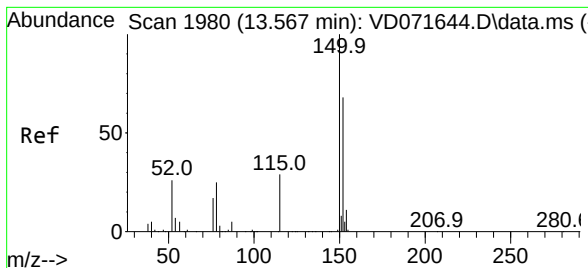
Tgt Ion: 95 Resp: 255465
Ion Ratio Lower Upper
95 100
174 73.9 0.0 150.0
176 73.4 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071776.D
Acq: 24 Jan 2022 14:25

Tgt Ion: 117 Resp: 598619
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 33.9 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: VD071776.D

Acq: 24 Jan 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

AMI-2

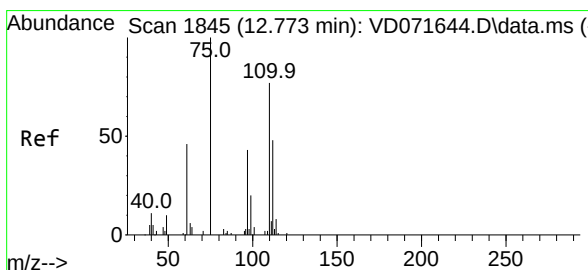
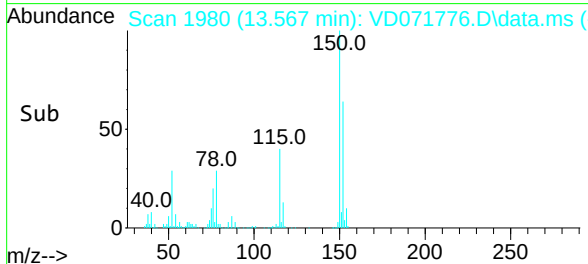
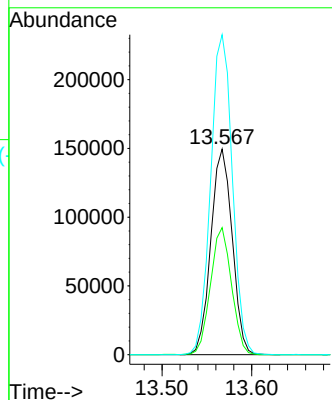
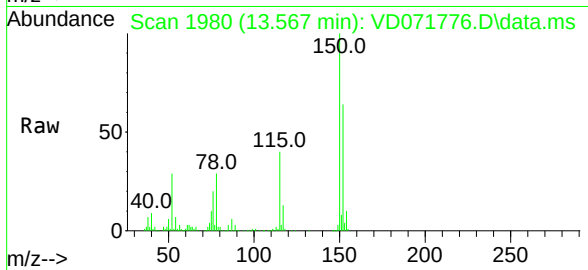
Tgt Ion:152 Resp: 247440

Ion Ratio Lower Upper

152 100

115 60.7 31.5 94.5

150 157.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 61.421 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD071776.D

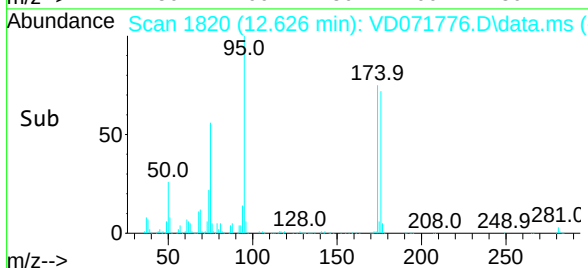
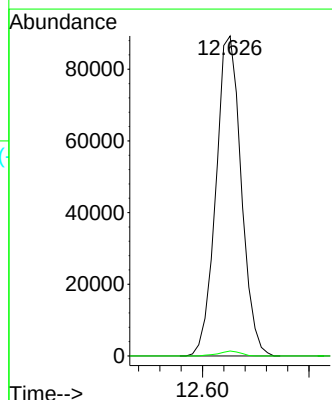
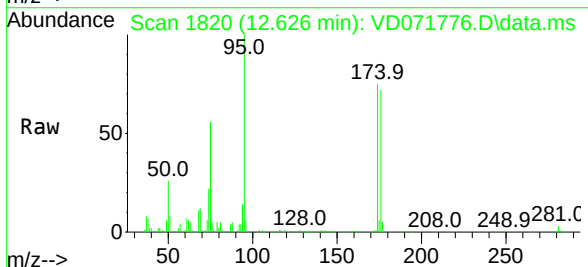
Acq: 24 Jan 2022 14:25

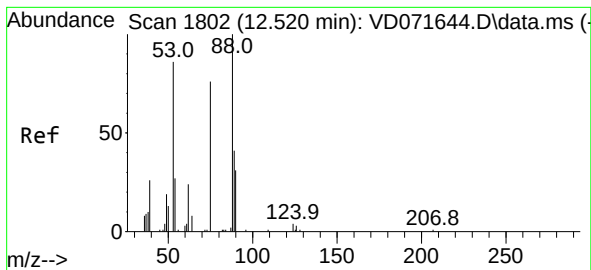
Tgt Ion: 75 Resp: 146855

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.235 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071776.D
 Acq: 24 Jan 2022 14:25

Instrument :
 MSVOA_D
 ClientSampleId :
 AMI-2

Tgt Ion: 75 Resp: 146855
 Ion Ratio Lower Upper
 75 100
 53 0.0 95.4 143.0#
 89 0.0 37.2 55.8#

