

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012422\
 Data File : VD071779.D
 Acq On : 24 Jan 2022 15:49
 Operator : VA/SY
 Sample : N1247-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1A

Quant Time: Jan 25 04:11:57 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)

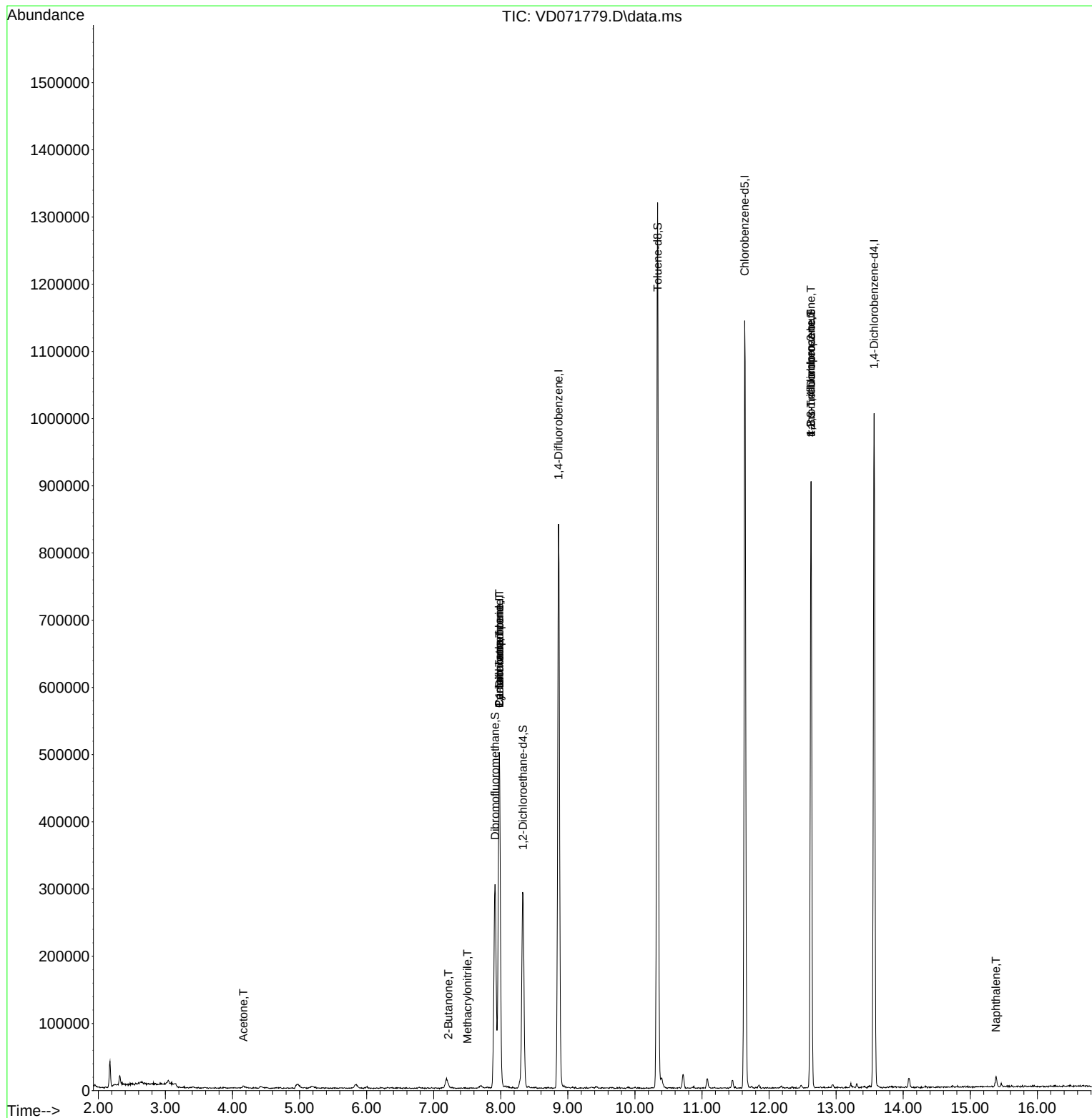
Internal Standards						
1) Pentafluorobenzene	7.979	168	338389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	645156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	586043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	238271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	237297	54.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.000%	
35) Dibromofluoromethane	7.914	113	215298	50.496	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.000%	
50) Toluene-d8	10.338	98	828973	51.940	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.626	95	251821	44.776	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	378	Below Cal	#	43
3) Chloromethane	2.209	50	665	Below Cal	#	43
5) Bromomethane	2.779	94	522	Below Cal	#	4
11) Tert butyl alcohol	5.191	59	2183	Below Cal	#	75
16) Acetone	4.162	43	6544	6.510	ug/l	95
18) Methyl Acetate	4.691	43	59	Below Cal	#	56
20) Methylene Chloride	4.979	84	4659	Below Cal	#	53
25) 2-Butanone	7.220	43	2884	2.428	ug/l	92
31) Cyclohexane	7.979	56	10556	2.061	ug/l #	43
36) 1,1-Dichloropropene	7.979	75	33787	5.555	ug/l #	52
38) Carbon Tetrachloride	7.979	117	37789	6.135	ug/l #	18
41) Methacrylonitrile	7.503	41	149	1.214	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	149254	64.827	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	149254	180.729	ug/l #	3
95) Naphthalene	15.384	128	10576	1.584	ug/l #	95

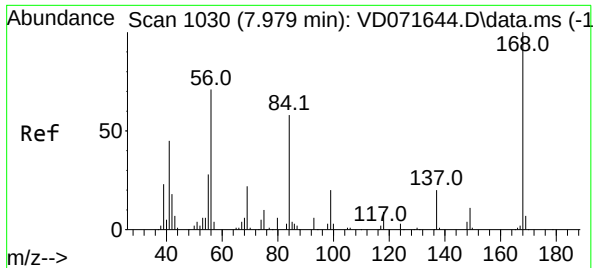
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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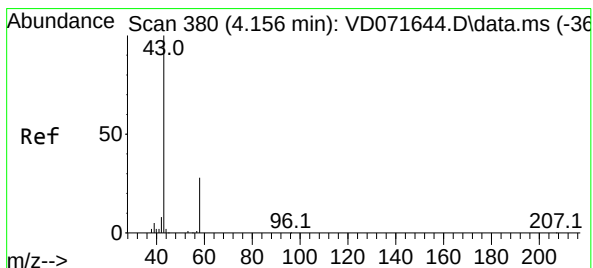
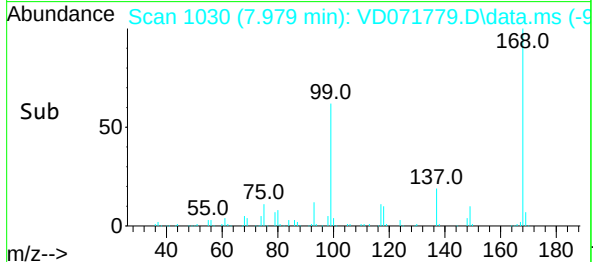
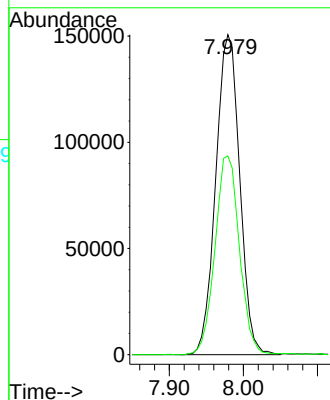
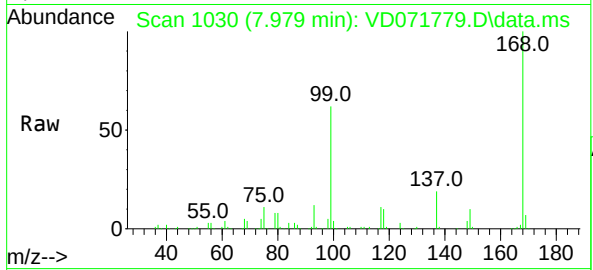




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

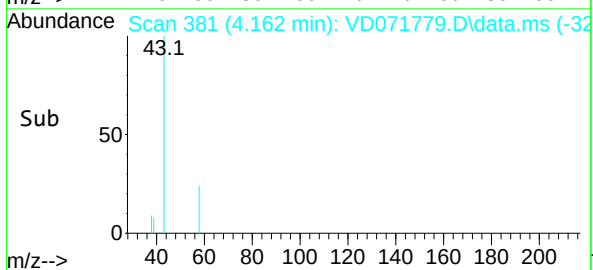
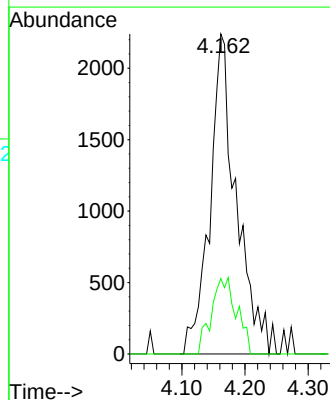
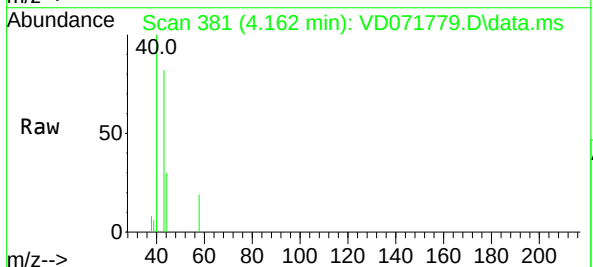
Instrument :
MSVOA_D
ClientSampleId :
SS-1A

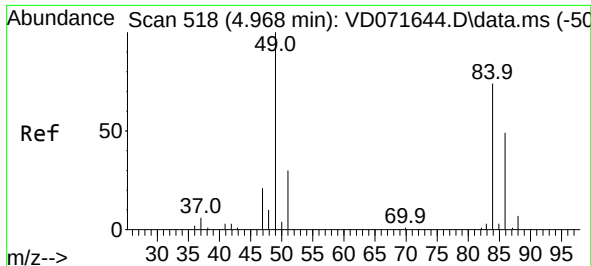
Tgt Ion:168 Resp: 338389
Ion Ratio Lower Upper
168 100
99 62.1 51.8 77.6



#16
Acetone
Concen: 6.510 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

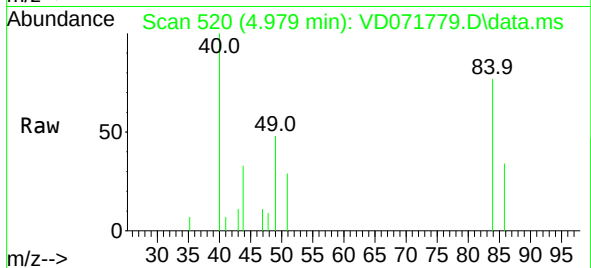
Tgt Ion: 43 Resp: 6544
Ion Ratio Lower Upper
43 100
58 23.6 21.0 31.6



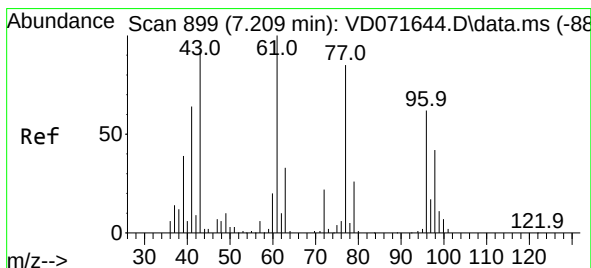
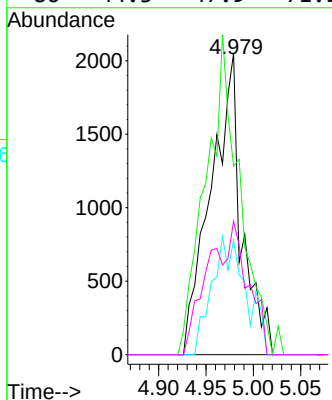


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Instrument :
MSVOA_D
ClientSampleId :
SS-1A

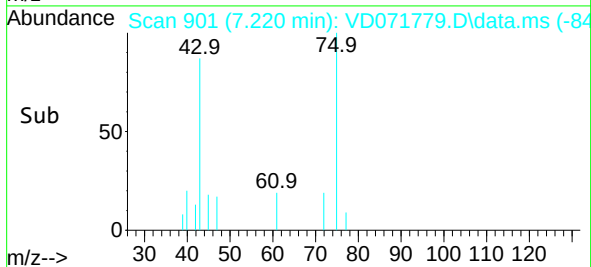
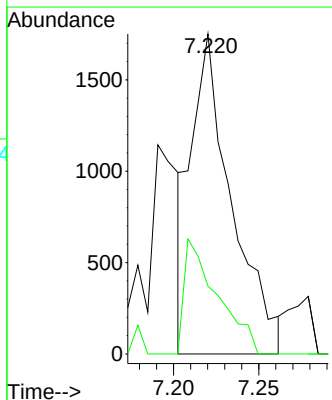
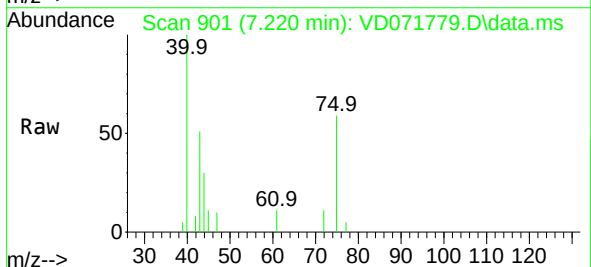


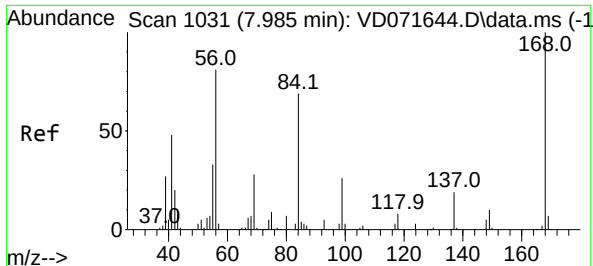
Tgt Ion:	84	Resp:	4659
Ion	Ratio	Lower	Upper
84	100		
49	62.6	118.6	178.0#
51	38.0	37.8	56.6
86	44.3	47.9	71.9#



#25
2-Butanone
Concen: 2.428 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Tgt Ion:	43	Resp:	2884
Ion	Ratio	Lower	Upper
43	100		
72	24.0	16.4	24.6





#31

Cyclohexane

Concen: 2.061 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VD071779.D

Acq: 24 Jan 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

SS-1A

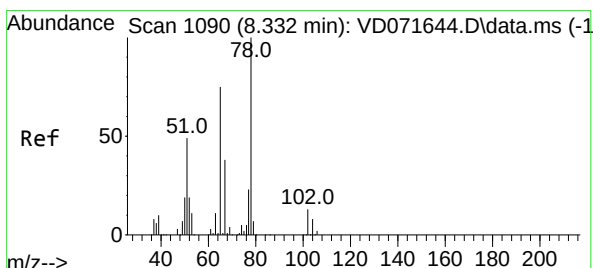
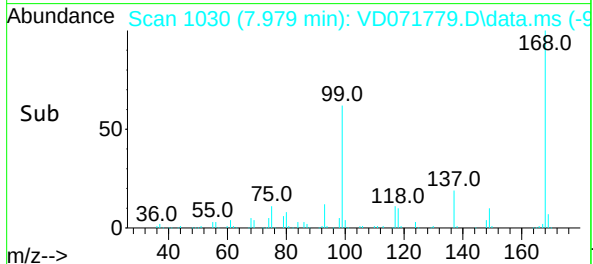
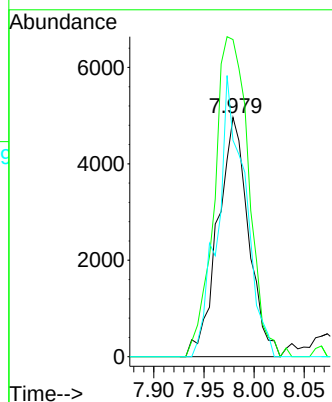
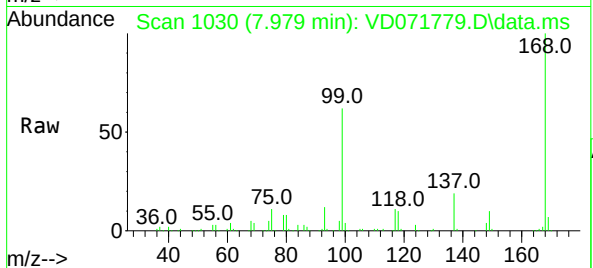
Tgt Ion: 56 Resp: 10556

Ion Ratio Lower Upper

56 100

69 132.6 21.7 32.5#

84 90.4 65.7 98.5



#33

1,2-Dichloroethane-d4

Concen: 54.500 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071779.D

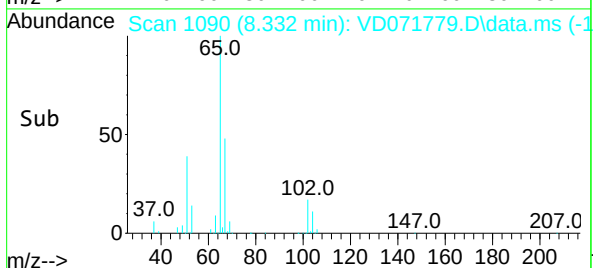
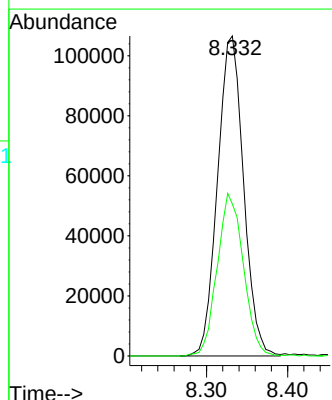
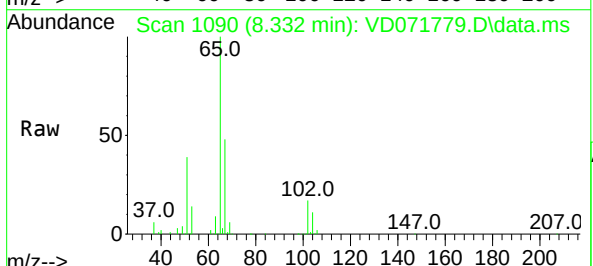
Acq: 24 Jan 2022 15:49

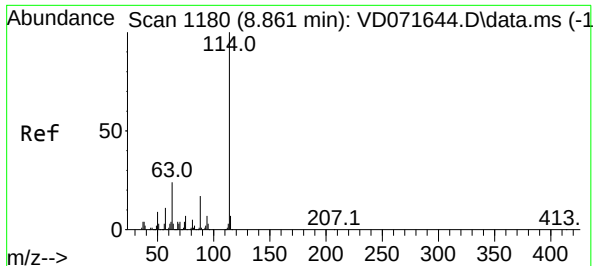
Tgt Ion: 65 Resp: 237297

Ion Ratio Lower Upper

65 100

67 51.1 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: VD071779.D

Acq: 24 Jan 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

SS-1A

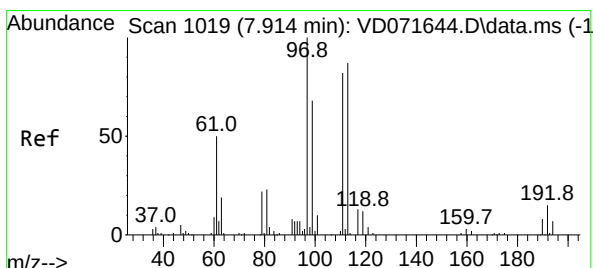
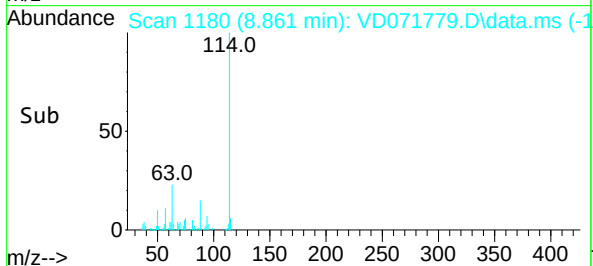
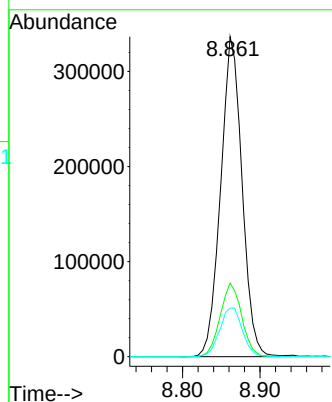
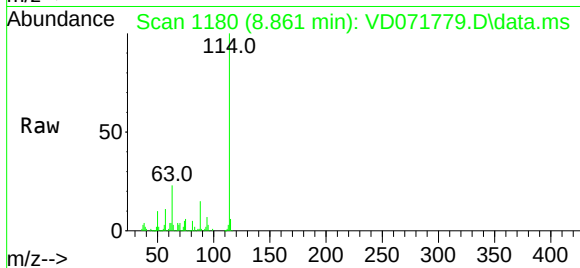
Tgt Ion:114 Resp: 645156

Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.2

88 15.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 50.496 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071779.D

Acq: 24 Jan 2022 15:49

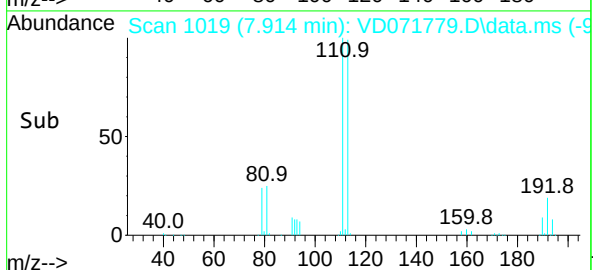
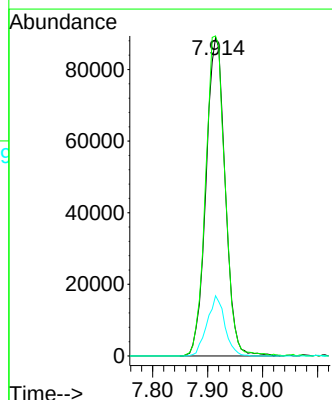
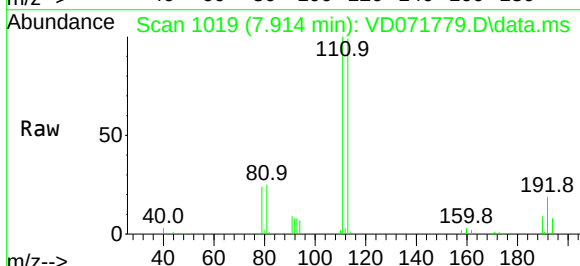
Tgt Ion:113 Resp: 215298

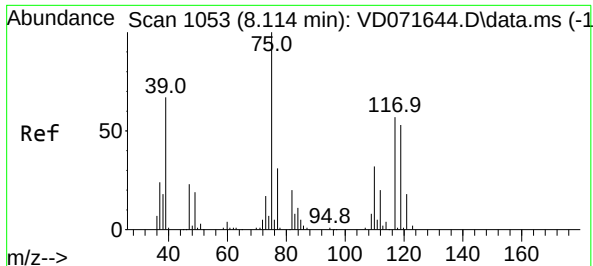
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 17.5 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.555 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071779.D

Acq: 24 Jan 2022 15:49

Instrument :

MSVOA_D

ClientSampleId :

SS-1A

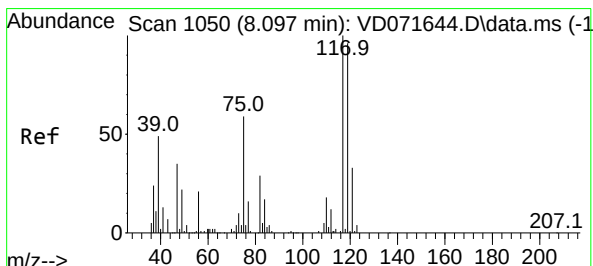
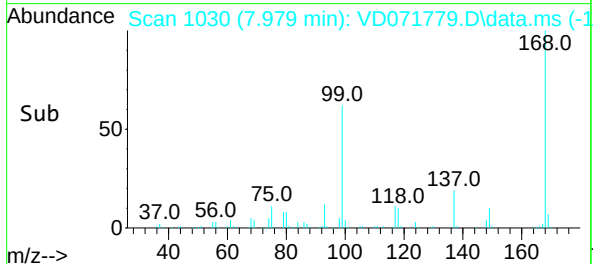
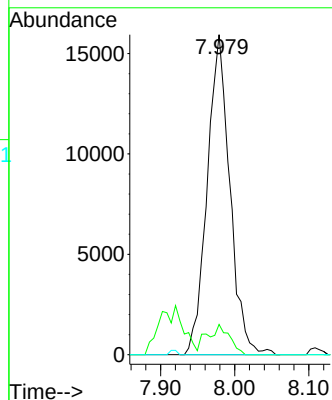
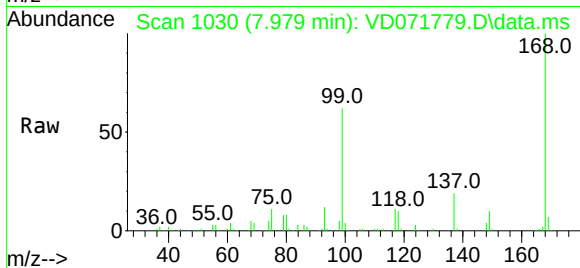
Tgt Ion: 75 Resp: 33787

Ion Ratio Lower Upper

75 100

110 9.2 16.0 48.0#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.135 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.117 min

Lab File: VD071779.D

Acq: 24 Jan 2022 15:49

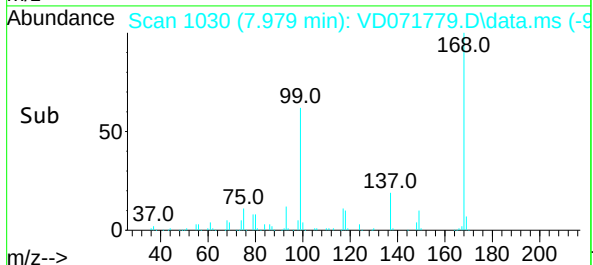
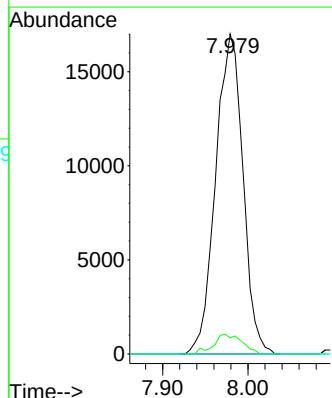
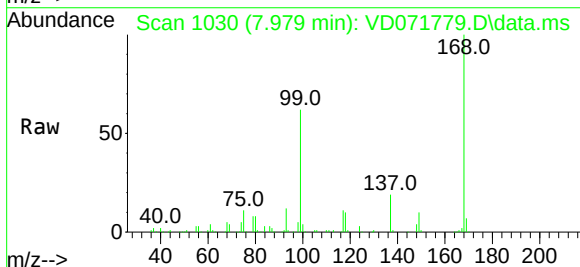
Tgt Ion: 117 Resp: 37789

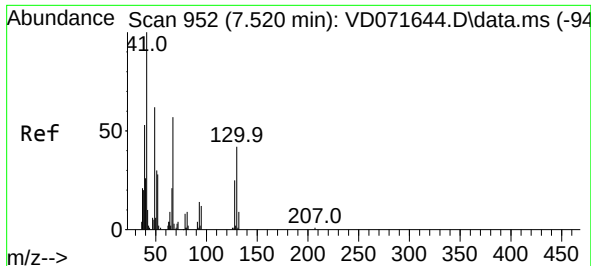
Ion Ratio Lower Upper

117 100

119 5.0 73.4 110.2#

121 0.0 23.9 35.9#

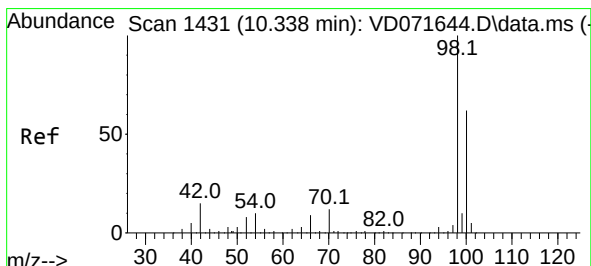
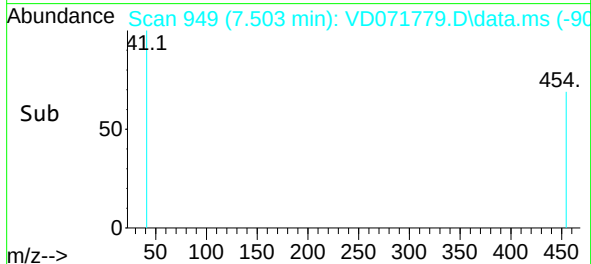
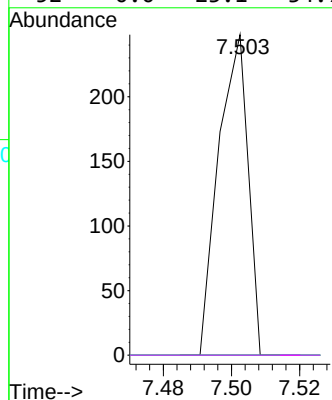
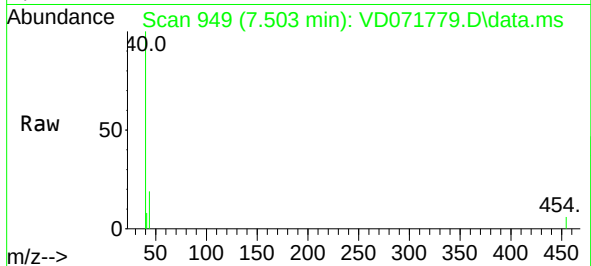




#41
Methacrylonitrile
Concen: 1.214 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.017 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

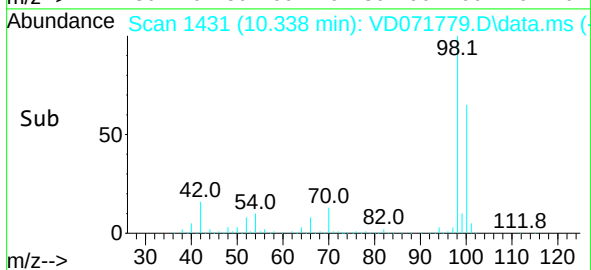
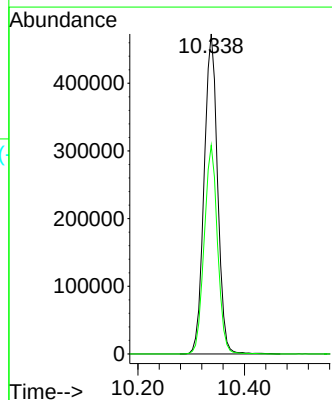
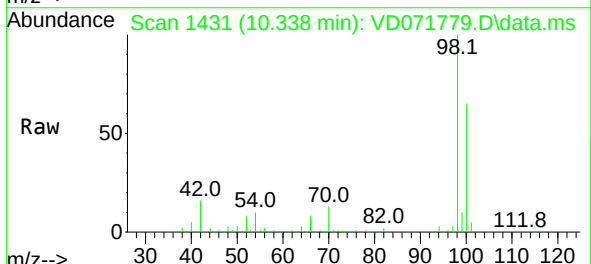
Instrument :
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SS-1A

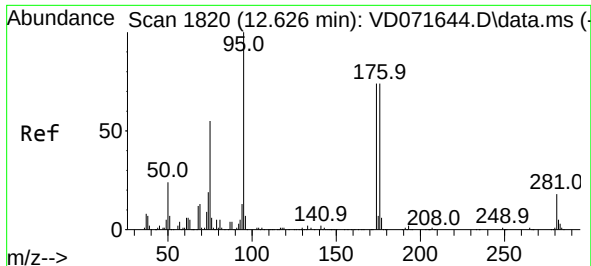
Tgt Ion: 41	Resp: 149
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 51.940 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.001 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Tgt Ion: 98	Resp: 828973
Ion Ratio	Lower Upper
98 100	
100 64.7	52.1 78.1

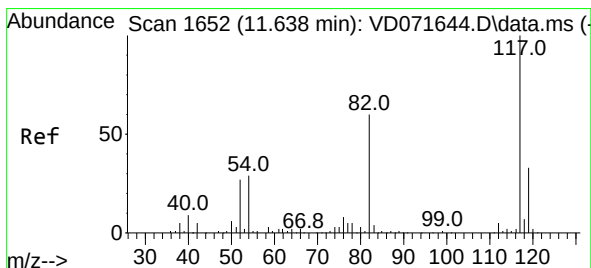
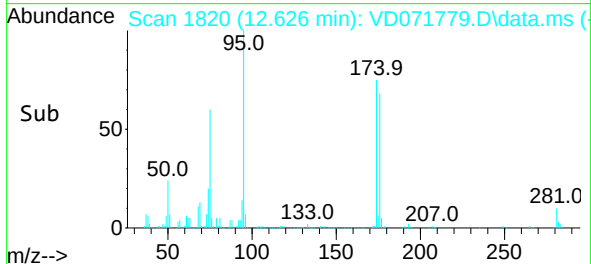
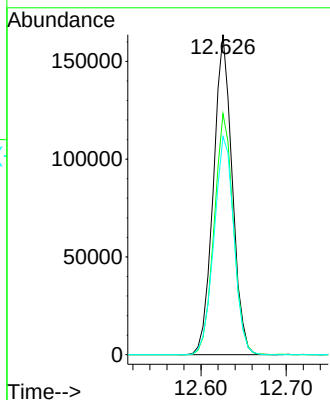
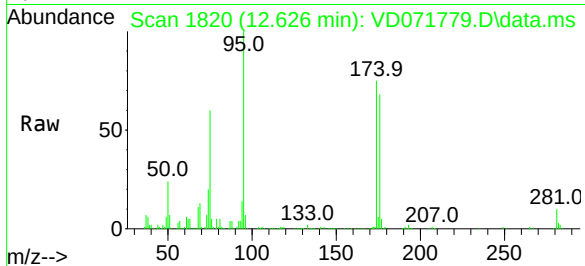




#62
4-Bromofluorobenzene
Concen: 44.776 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

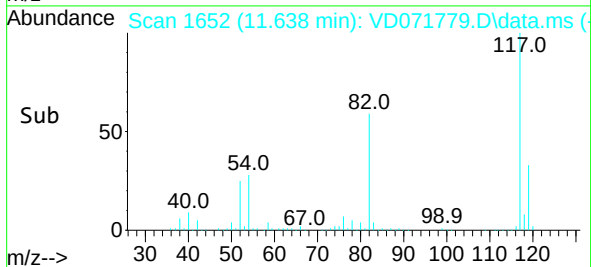
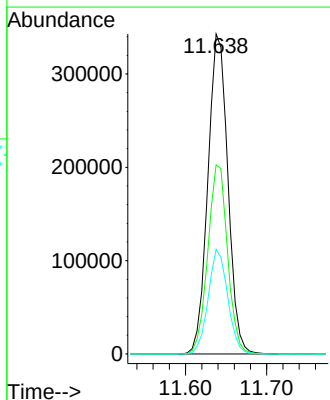
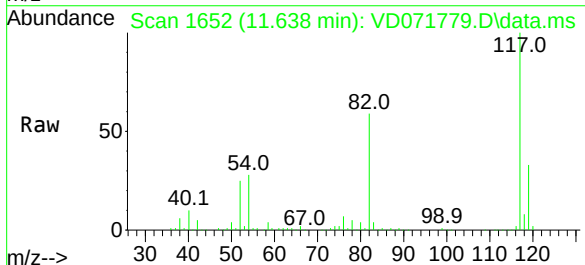
Instrument :
MSVOA_D
ClientSampleId :
SS-1A

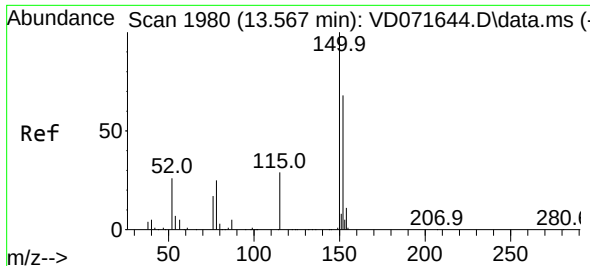
Tgt Ion: 95 Resp: 251821
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.0
176 71.9 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Tgt Ion: 117 Resp: 586043
Ion Ratio Lower Upper
117 100
82 59.1 46.9 70.3
119 32.7 26.6 39.8

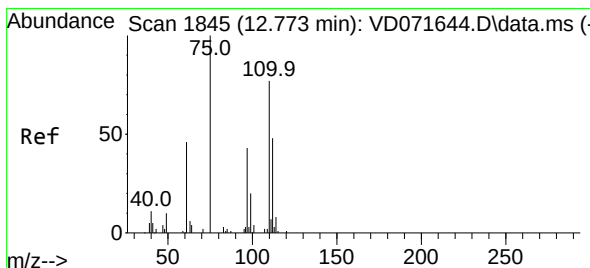
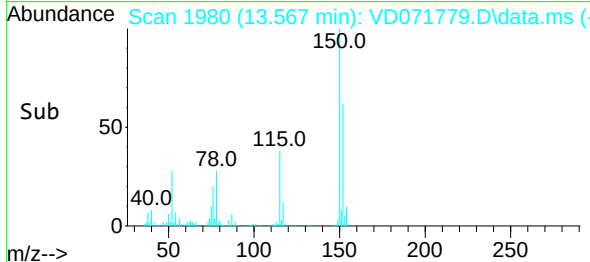
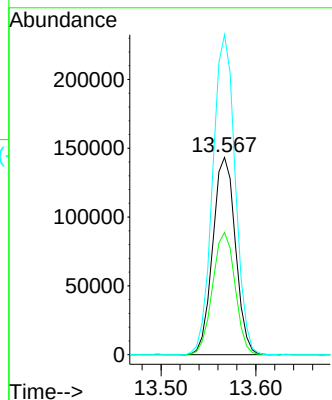
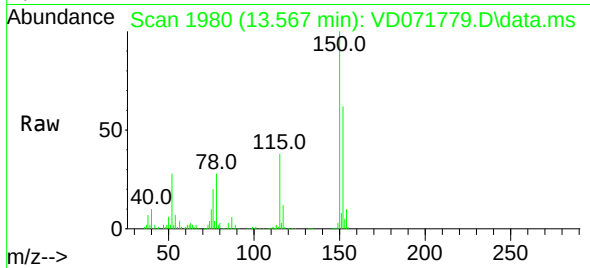




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071779.D
 Acq: 24 Jan 2022 15:49

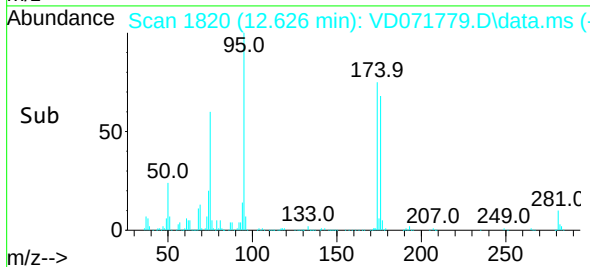
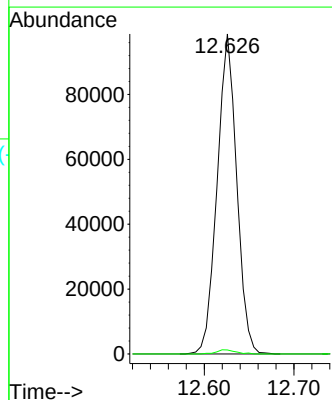
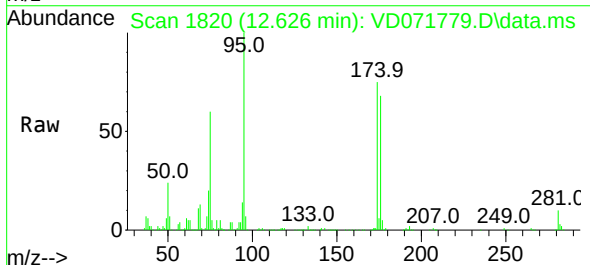
Instrument :
 MSVOA_D
 ClientSampleId :
 SS-1A

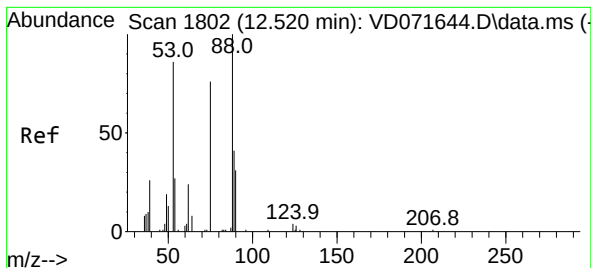
Tgt Ion:152 Resp: 238271
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.5 94.5
 150 161.2 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 64.827 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071779.D
 Acq: 24 Jan 2022 15:49

Tgt Ion: 75 Resp: 149254
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

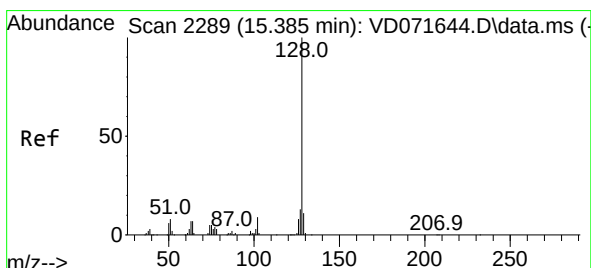
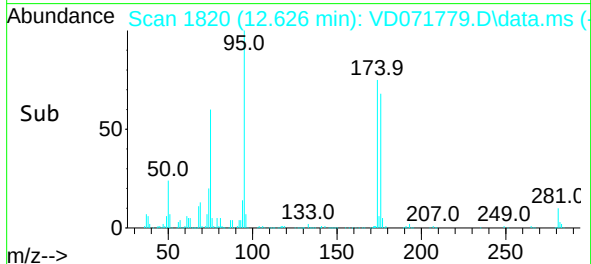
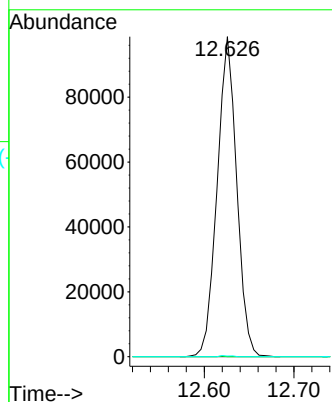
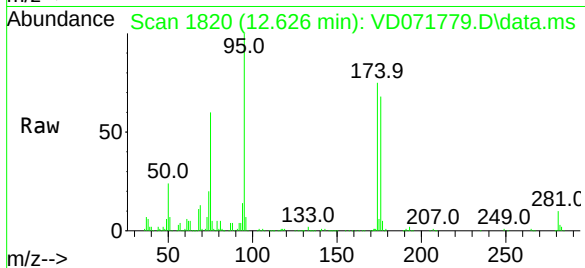




#81
trans-1,4-Dichloro-2-butene
Concen: 180.729 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Instrument :
MSVOA_D
ClientSampleId :
SS-1A

Tgt Ion: 75 Resp: 149254
Ion Ratio Lower Upper
75 100
53 0.0 95.4 143.0#
89 0.2 37.2 55.8#



#95
Naphthalene
Concen: 1.584 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD071779.D
Acq: 24 Jan 2022 15:49

Tgt Ion:128 Resp: 10576
Ion Ratio Lower Upper
128 100
127 16.4 10.9 16.3#
129 12.5 9.1 13.7

