

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071748.D
 Acq On : 19 Jan 2022 17:07
 Operator : VA/SY
 Sample : N1204-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 04:59:59 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)

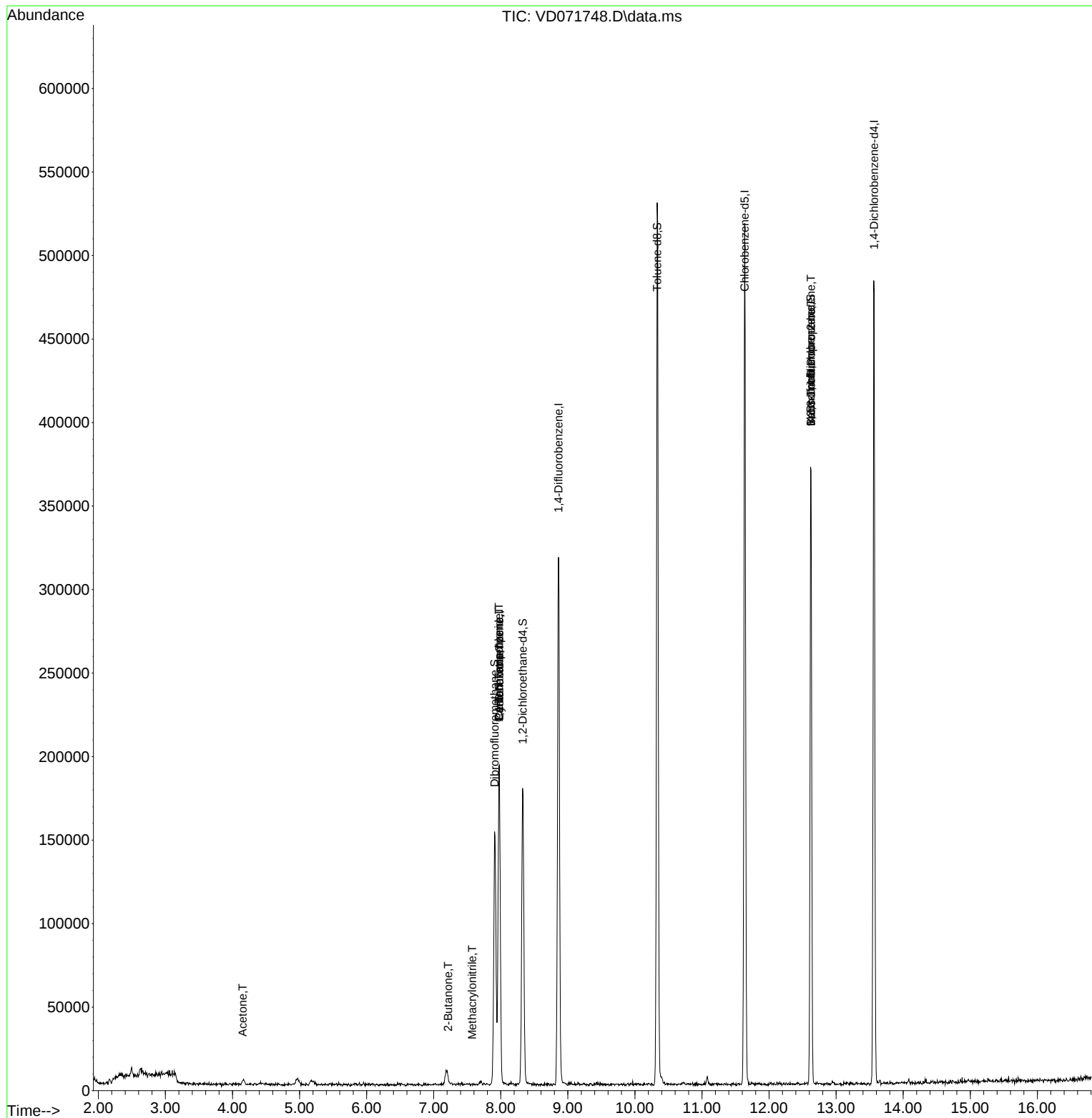
Internal Standards						
1) Pentafluorobenzene	7.979	168	131108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	254944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	261667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	117535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143091	84.820	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 169.640%#		
35) Dibromofluoromethane	7.908	113	104203	61.847	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 123.700%		
50) Toluene-d8	10.332	98	335618	53.214	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 106.420%		
62) 4-Bromofluorobenzene	12.620	95	114588	51.560	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 103.120%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	60	Below Cal	#	43
5) Bromomethane	2.779	94	294	Below Cal	#	69
11) Tert butyl alcohol	5.244	59	162	Below Cal	#	75
16) Acetone	4.150	43	2749	7.058	ug/l #	86
18) Methyl Acetate	4.726	43	59	Below Cal	#	56
20) Methylene Chloride	4.973	84	2460	Below Cal	#	57
25) 2-Butanone	7.214	43	1536	3.338	ug/l #	78
31) Cyclohexane	7.979	56	4355	2.174	ug/l #	29
36) 1,1-Dichloropropene	7.973	75	13210	5.496	ug/l #	51
38) Carbon Tetrachloride	7.973	117	14825	6.091	ug/l #	18
41) Methacrylonitrile	7.573	41	73	1.234	ug/l #	36
71) Bromoform	12.626	173	1077	1.162	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	68010	59.883	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	68010	166.947	ug/l #	3

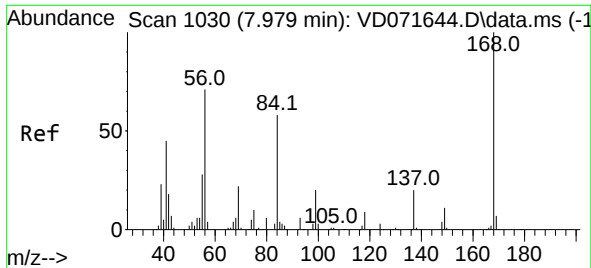
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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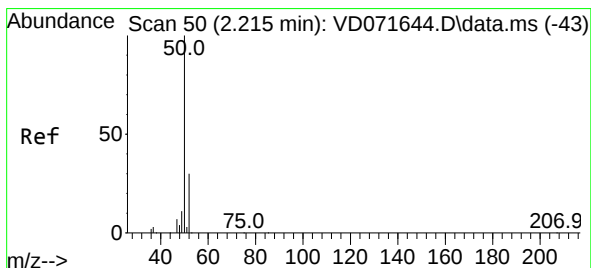
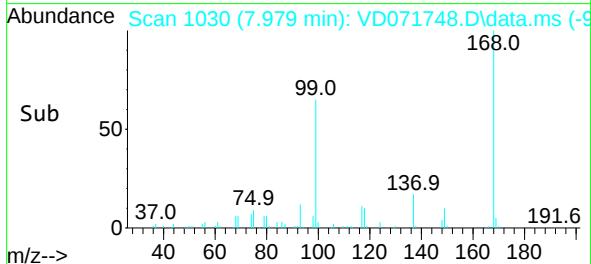
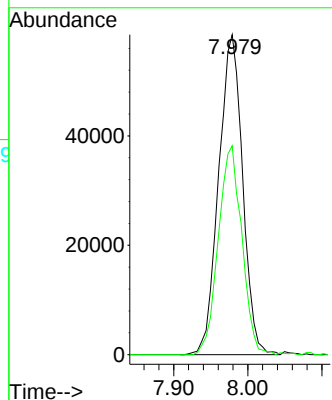
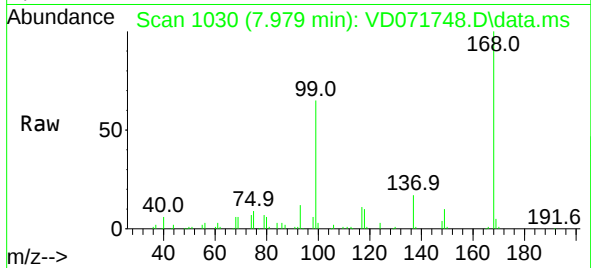




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

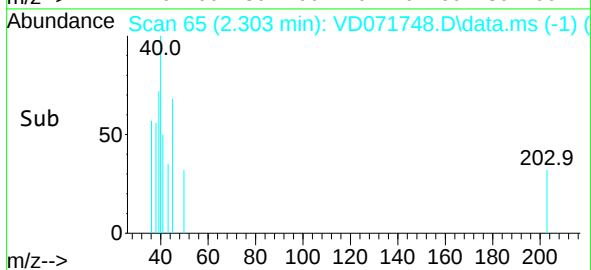
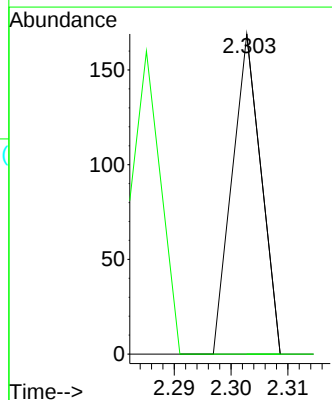
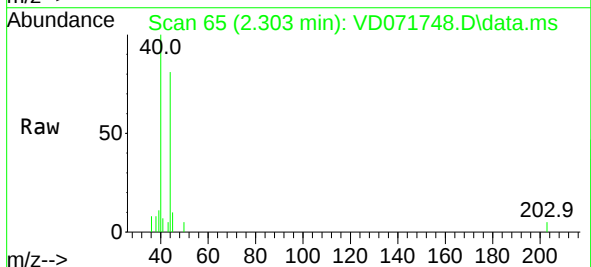
Instrument :
MSVOA_D
ClientSampleId :

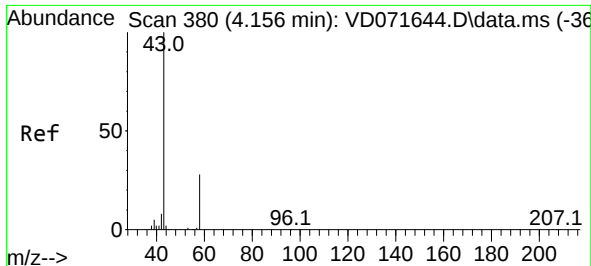
Tgt Ion:168 Resp: 131108
Ion Ratio Lower Upper
168 100
99 65.3 51.8 77.6



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 65
Delta R.T. 0.089 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion: 50 Resp: 60
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

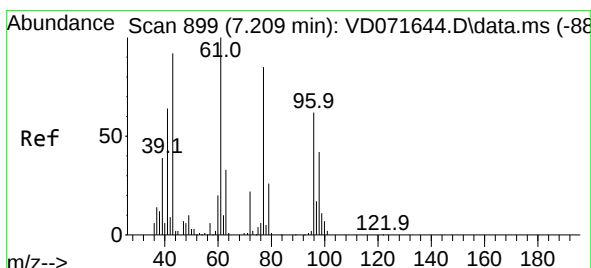
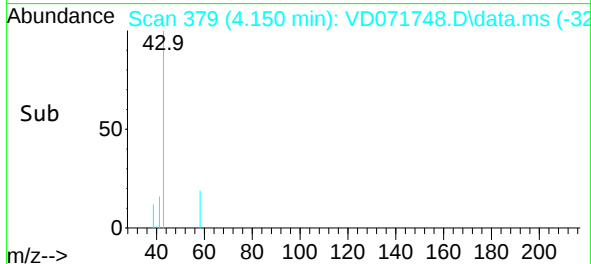
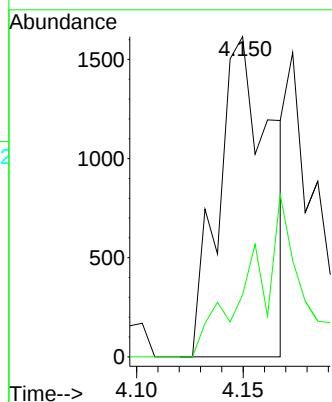
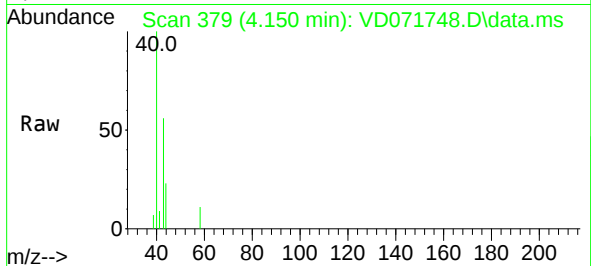




#16
Acetone
Concen: 7.058 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

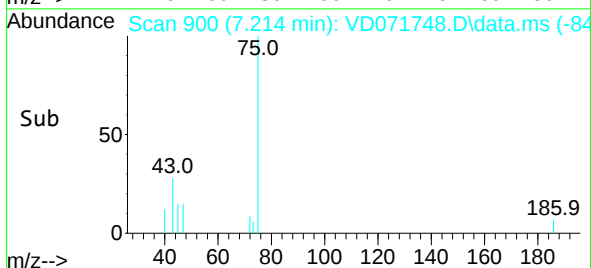
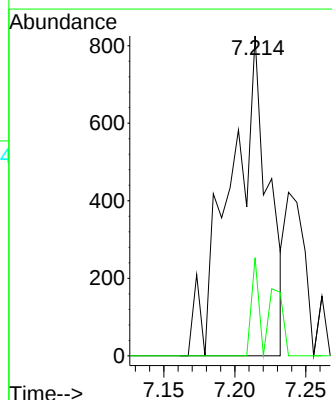
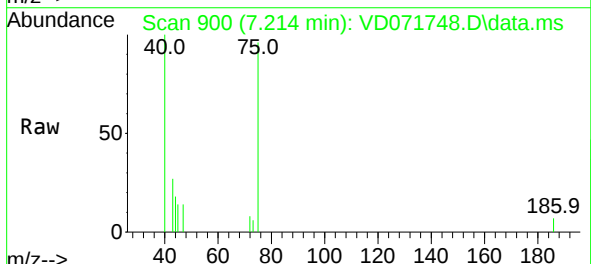
Instrument :
MSVOA_D
ClientSampleId :

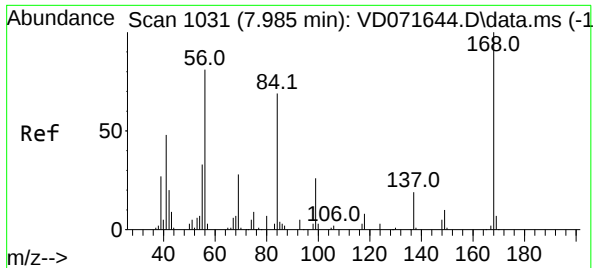
Tgt Ion: 43 Resp: 2749
Ion Ratio Lower Upper
43 100
58 19.3 21.0 31.6#



#25
2-Butanone
Concen: 3.338 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

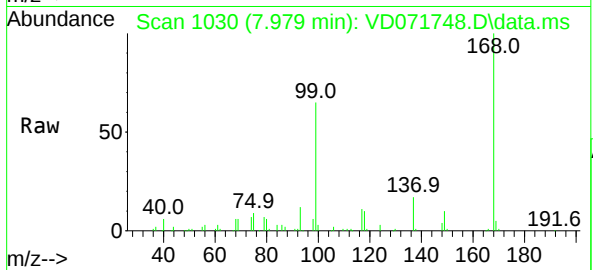
Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
72 30.7 16.4 24.6#



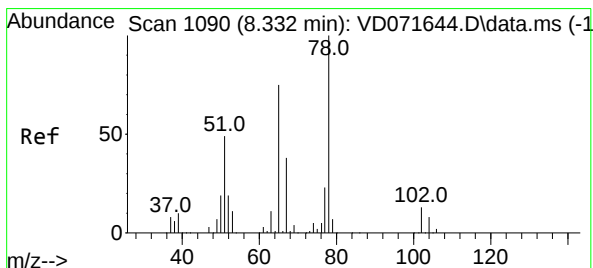
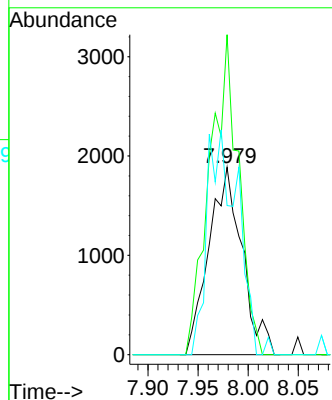
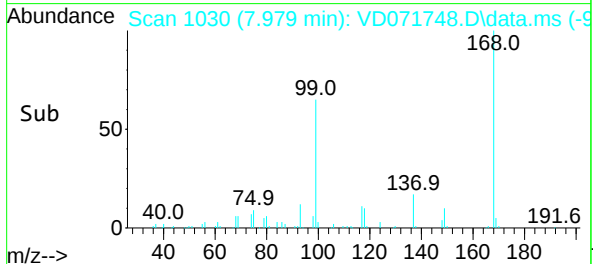


#31
Cyclohexane
Concen: 2.174 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Instrument :
MSVOA_D
ClientSampleId :

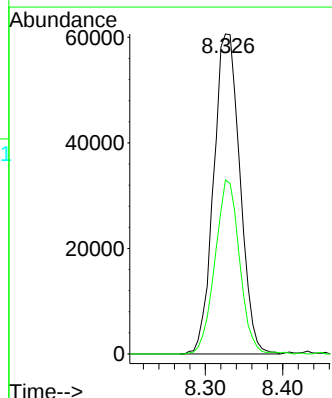
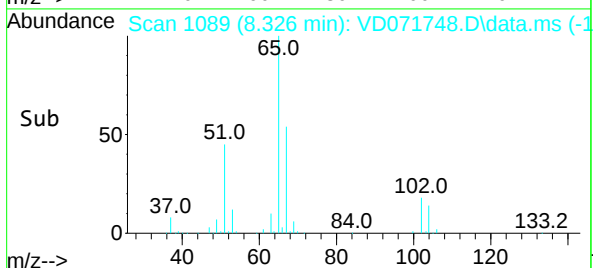
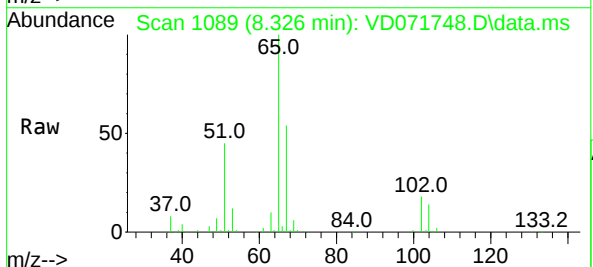


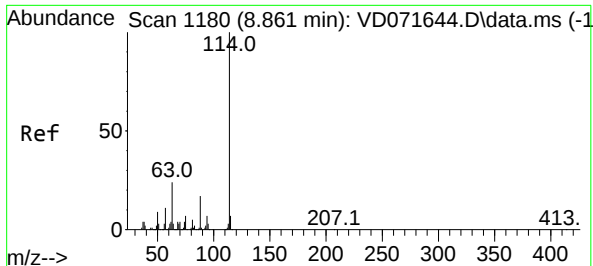
Tgt Ion: 56 Resp: 4355
Ion Ratio Lower Upper
56 100
69 170.8 21.7 32.5#
84 79.6 65.7 98.5



#33
1,2-Dichloroethane-d4
Concen: 84.820 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion: 65 Resp: 143091
Ion Ratio Lower Upper
65 100
67 51.0 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: VD071748.D

Acq: 19 Jan 2022 17:07

Instrument :

MSVOA_D

ClientSampleId :

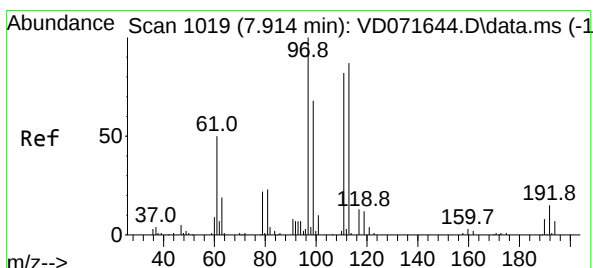
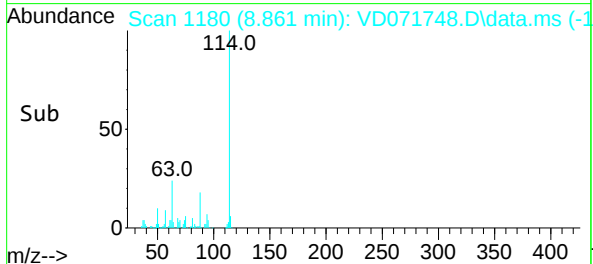
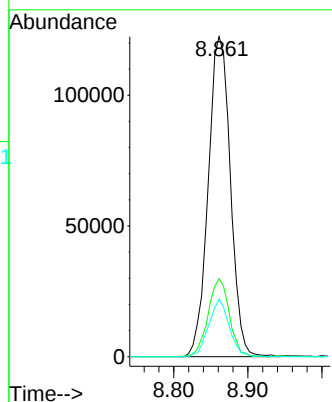
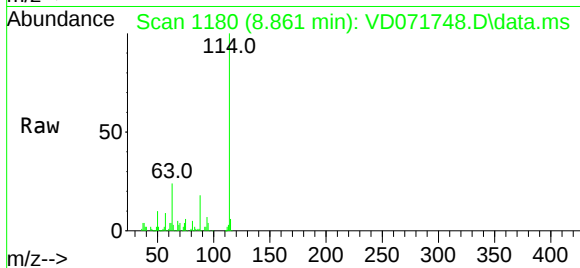
Tgt Ion:114 Resp: 254944

Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.2

88 18.0 0.0 32.0



#35

Dibromofluoromethane

Concen: 61.847 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071748.D

Acq: 19 Jan 2022 17:07

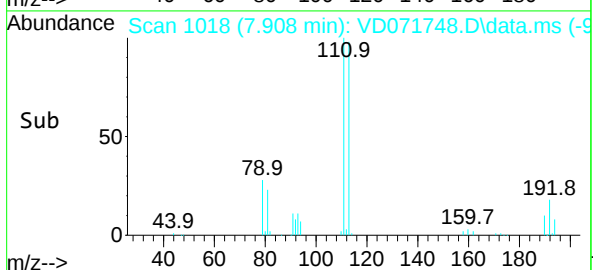
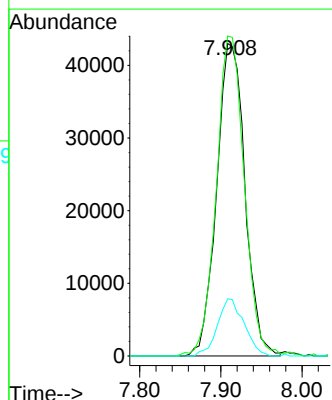
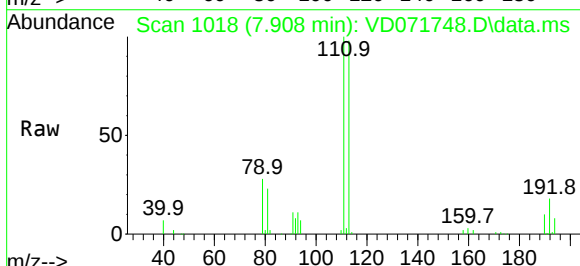
Tgt Ion:113 Resp: 104203

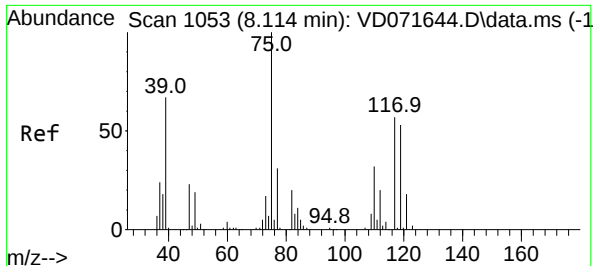
Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

192 17.2 14.2 21.2





#36

1,1-Dichloropropene

Concen: 5.496 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

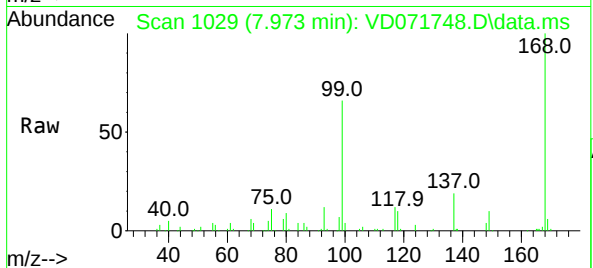
Lab File: VD071748.D

Acq: 19 Jan 2022 17:07

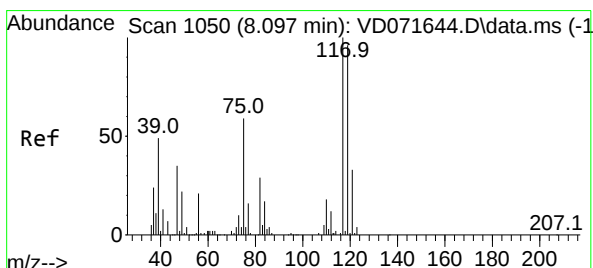
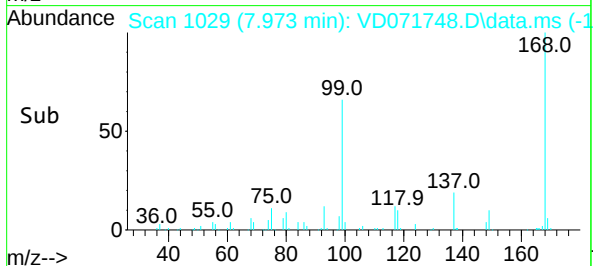
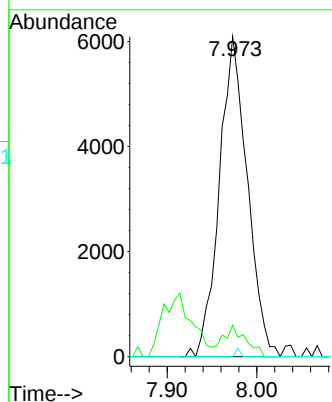
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13210
Ion Ratio	Lower Upper
75	100
110	7.9 16.0 48.0#
77	0.4 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.091 ug/l

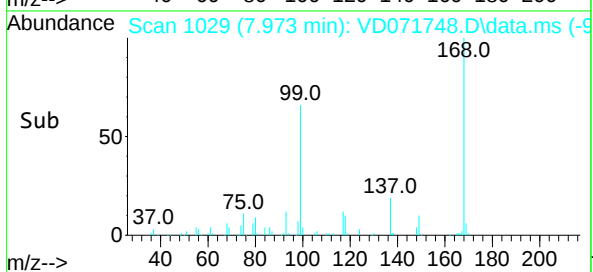
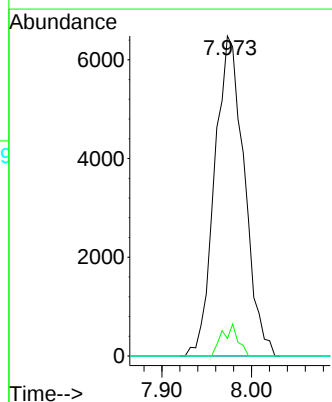
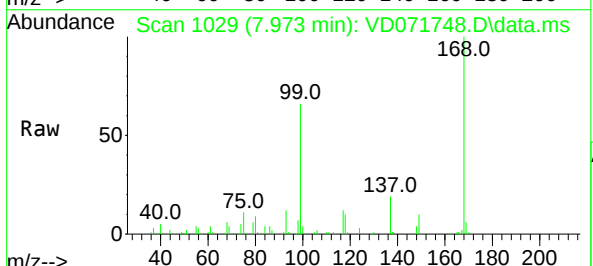
RT: 7.973 min Scan# 1029

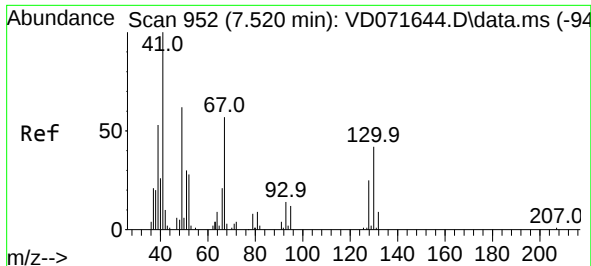
Delta R.T. -0.123 min

Lab File: VD071748.D

Acq: 19 Jan 2022 17:07

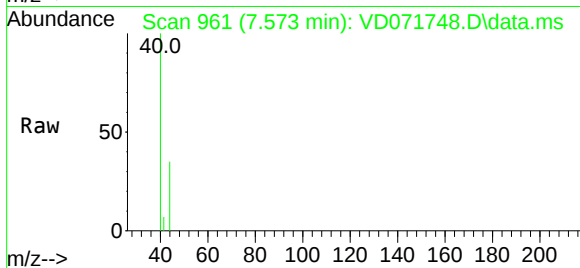
Tgt Ion: 117	Resp: 14825
Ion Ratio	Lower Upper
117	100
119	5.4 73.4 110.2#
121	0.0 23.9 35.9#



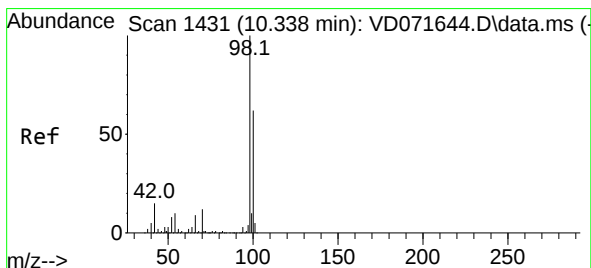
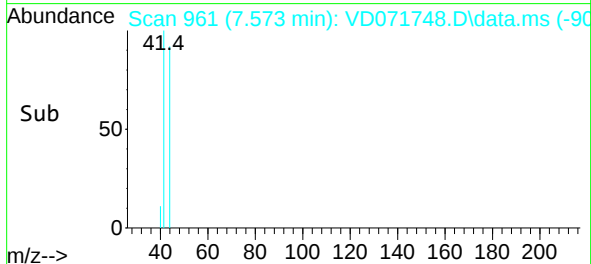
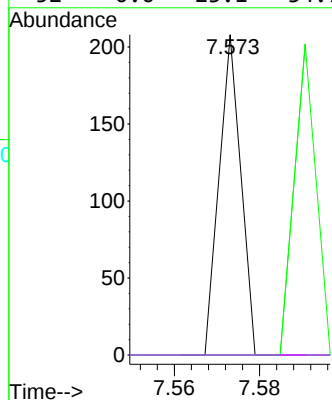


#41
Methacrylonitrile
Concen: 1.234 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.053 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Instrument :
MSVOA_D
ClientSampleId :

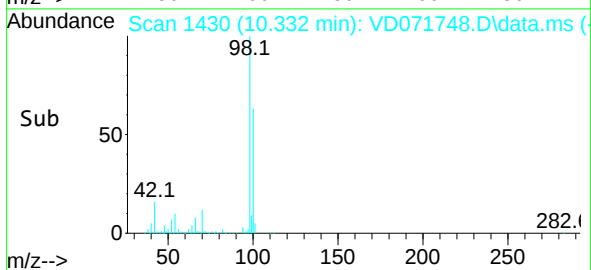
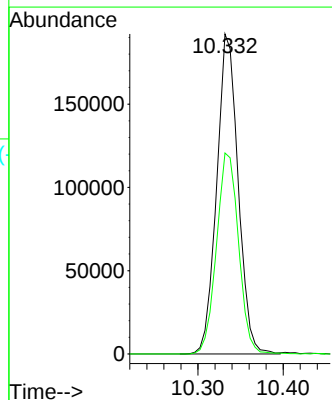
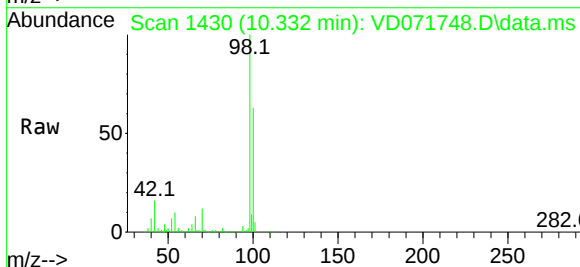


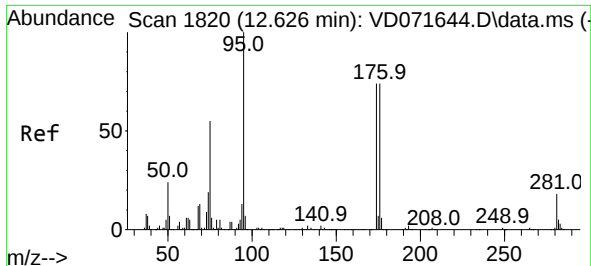
Tgt Ion: 41	Resp: 73
Ion Ratio	Lower Upper
41 100	
39 97.3	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#50
Toluene-d8
Concen: 53.214 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.005 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion: 98	Resp: 335618
Ion Ratio	Lower Upper
98 100	
100 64.7	52.1 78.1

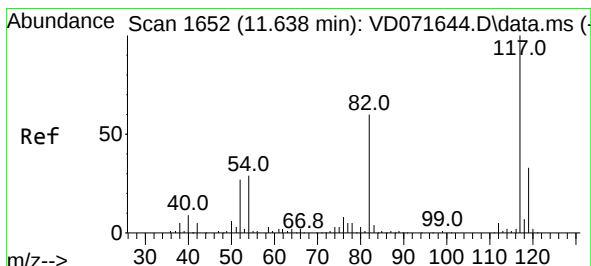
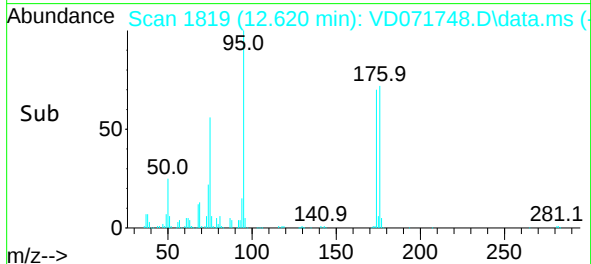
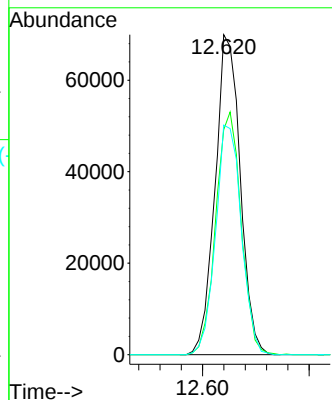
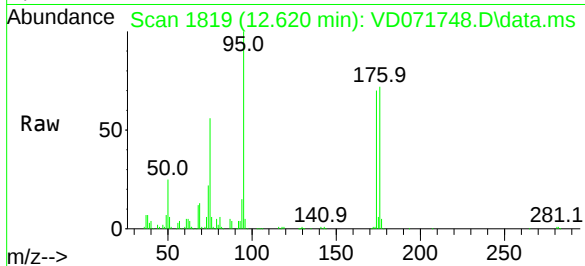




#62
4-Bromofluorobenzene
Concen: 51.560 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

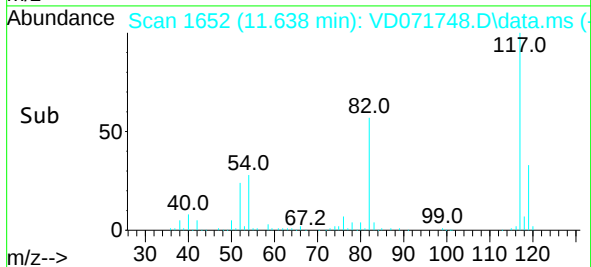
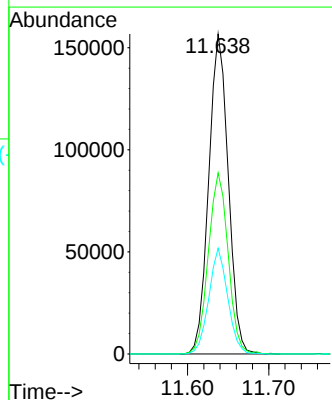
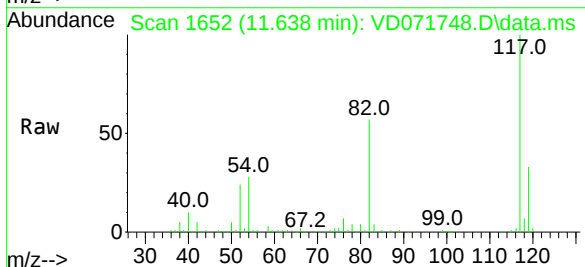
Instrument :
MSVOA_D
ClientSampleId :

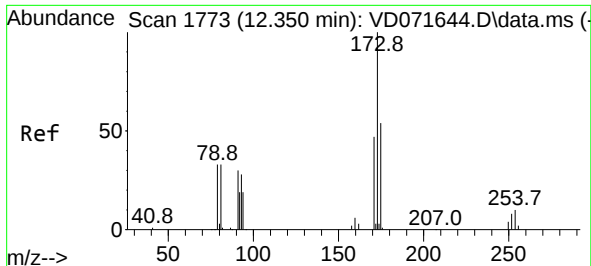
Tgt Ion: 95 Resp: 114588
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.0
176 73.4 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion: 117 Resp: 261667
Ion Ratio Lower Upper
117 100
82 56.6 46.9 70.3
119 33.0 26.6 39.8

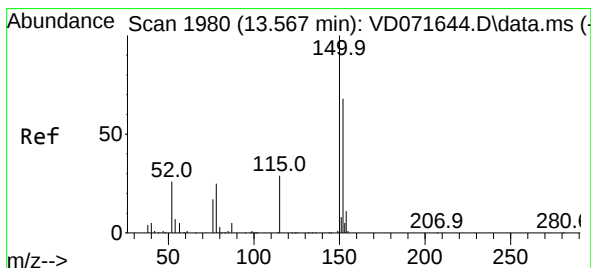
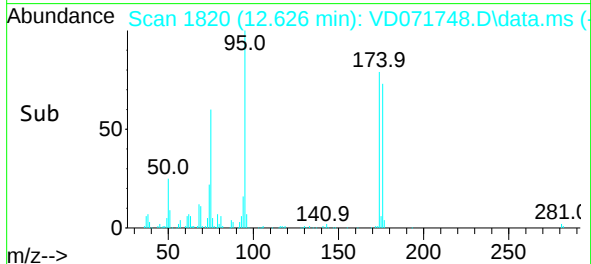
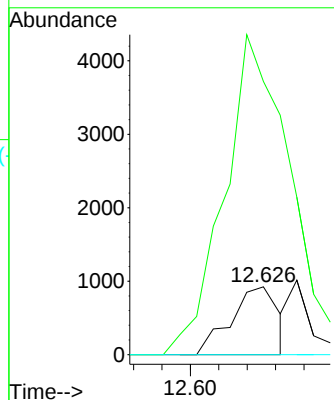
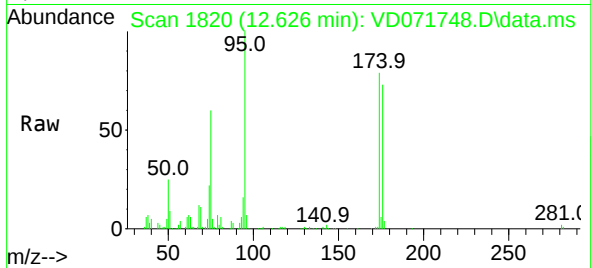




#71
Bromoform
Concen: 1.162 ug/l
RT: 12.626 min Scan# 1773
Delta R.T. 0.271 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

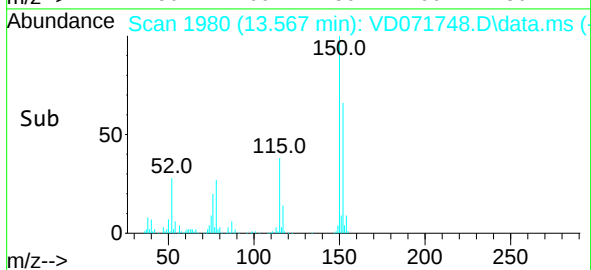
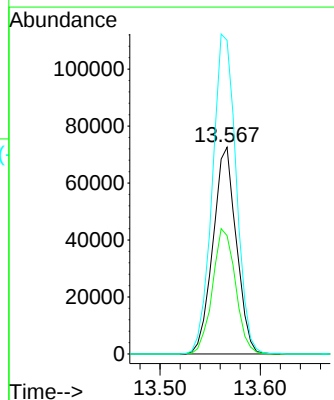
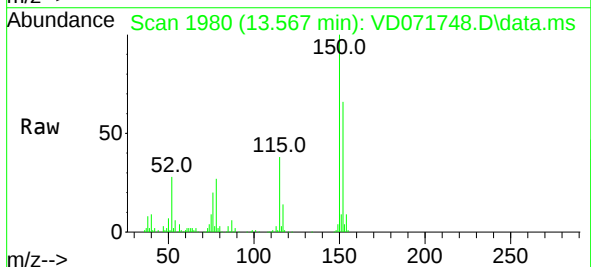
Instrument :
MSVOA_D
ClientSampleId :

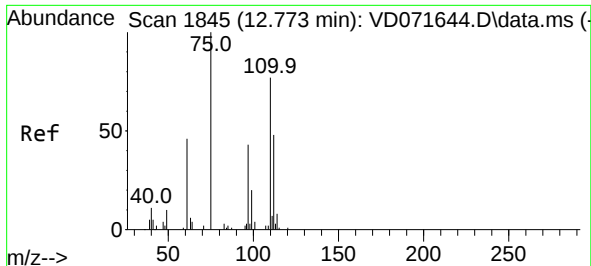
Tgt Ion:173 Resp: 1077
Ion Ratio Lower Upper
173 100
175 530.8 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion:152 Resp: 117535
Ion Ratio Lower Upper
152 100
115 59.7 31.5 94.5
150 157.6 0.0 348.0

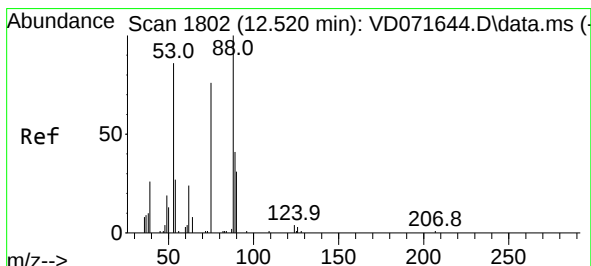
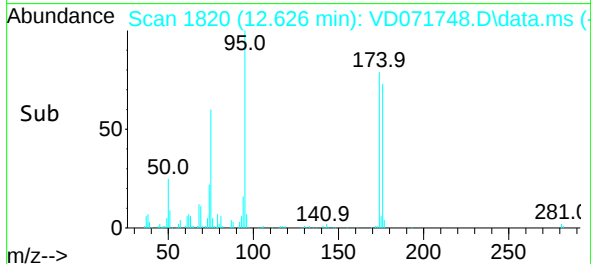
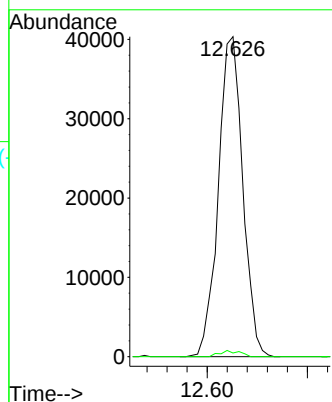
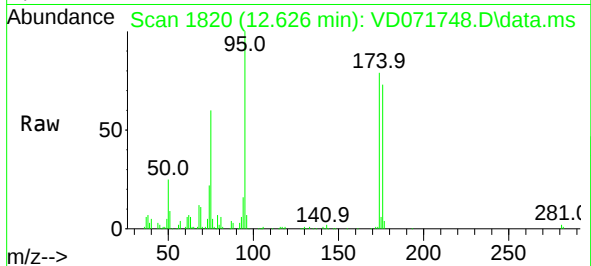




#76
1,2,3-Trichloropropane
Concen: 59.883 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 68010
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.947 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071748.D
Acq: 19 Jan 2022 17:07

Tgt Ion: 75 Resp: 68010
Ion Ratio Lower Upper
75 100
53 0.1 95.4 143.0#
89 0.0 37.2 55.8#

