

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070458.D
 Acq On : 24 Sep 2021 16:48
 Operator : VA/SY
 Sample : M3907-03RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:09:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

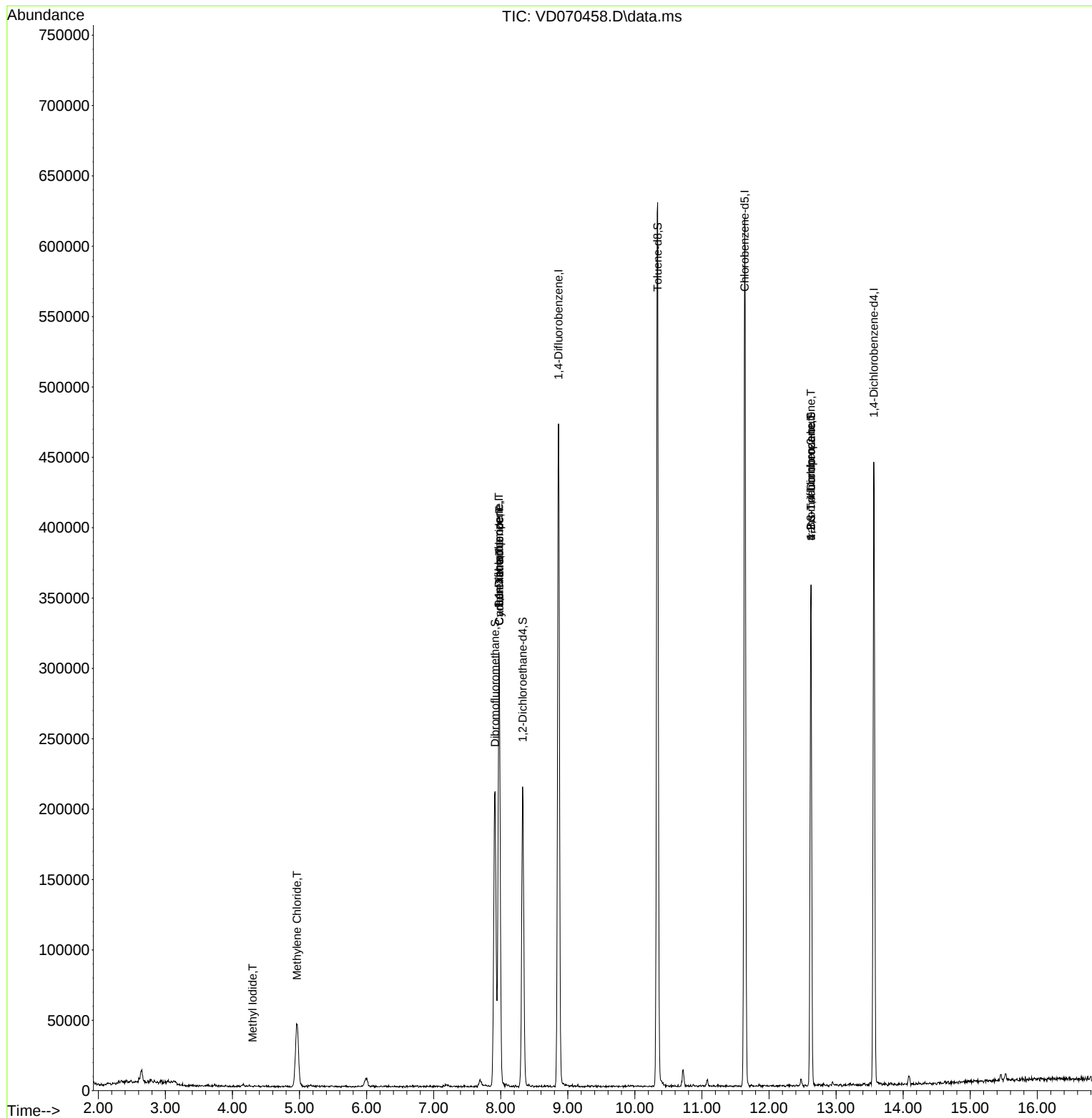
Internal Standards						
1) Pentafluorobenzene	7.973	168	214747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	410731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	378629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	122864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165477	60.012	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.020%	
35) Dibromofluoromethane	7.914	113	158512	54.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.440%	
50) Toluene-d8	10.338	98	449492	42.345	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.680%	
62) 4-Bromofluorobenzene	12.626	95	122262	32.956	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 65.920%	
Target Compounds						
2) Dichlorodifluoromethane	1.985	85	226	Below Cal	#	Qvalue 43
3) Chloromethane	2.203	50	556	Below Cal	#	48
5) Bromomethane	2.785	94	1246	Below Cal	#	63
6) Chloroethane	2.756	64	65	Below Cal	#	43
10) Methyl Iodide	4.303	142	214	1.108	ug/l #	39
18) Methyl Acetate	4.715	43	129	Below Cal	#	68
20) Methylene Chloride	4.962	84	39472	6.555	ug/l	93
31) Cyclohexane	7.979	56	5280	1.112	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	19231	4.380	ug/l #	48
38) Carbon Tetrachloride	7.979	117	21896	5.043	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	58456	47.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	58456	117.854	ug/l #	17

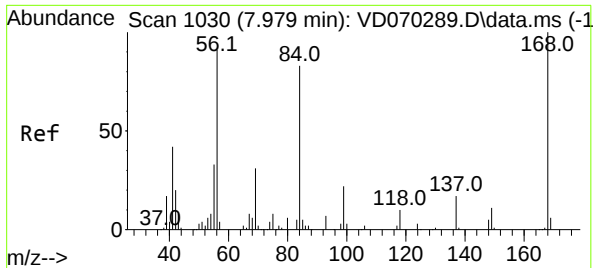
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 03:09:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

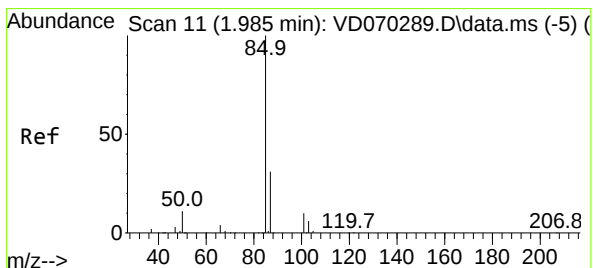
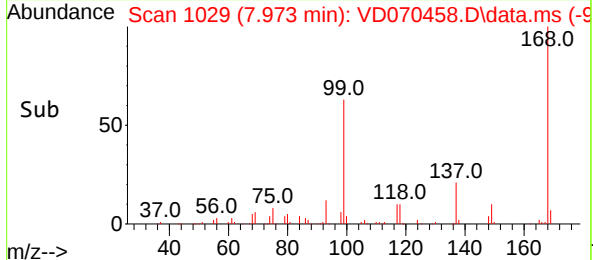
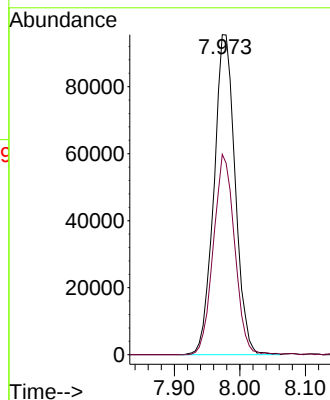
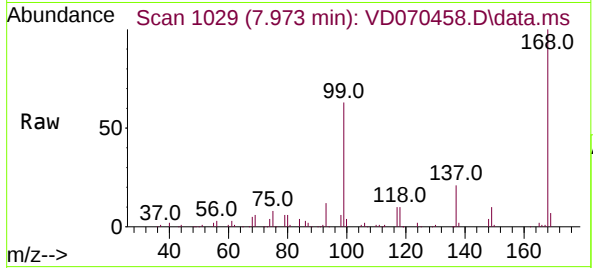




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

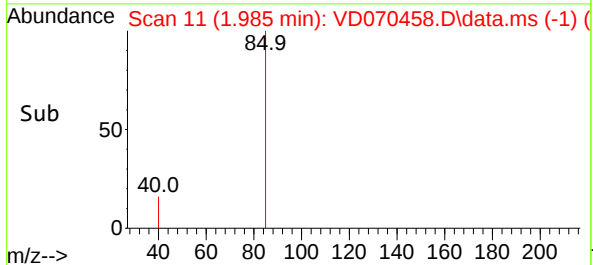
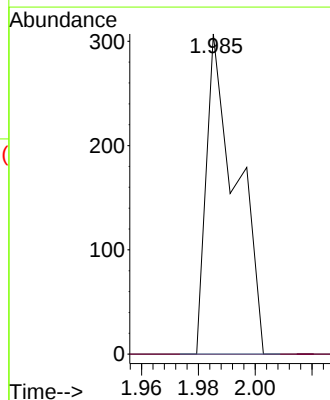
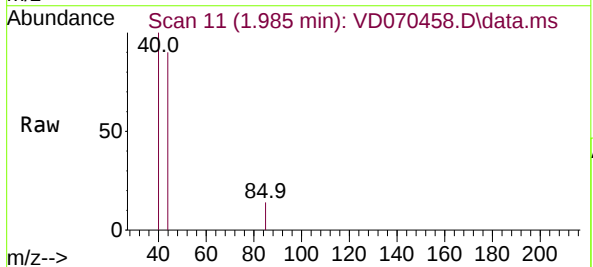
Instrument :
MSVOA_D
ClientSampleId :

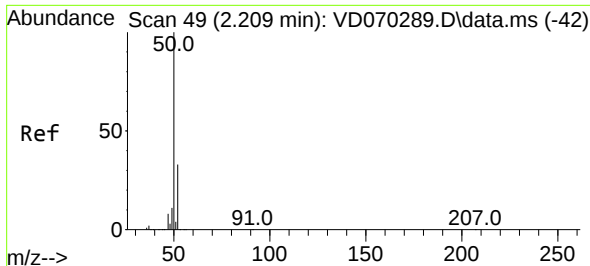
Tgt Ion:168 Resp: 214747
Ion Ratio Lower Upper
168 100
99 62.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion: 85 Resp: 226
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

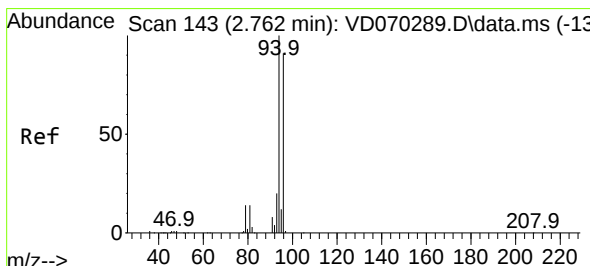
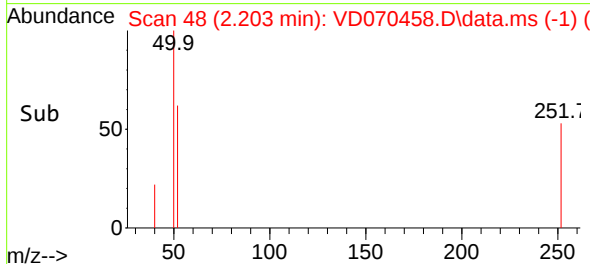
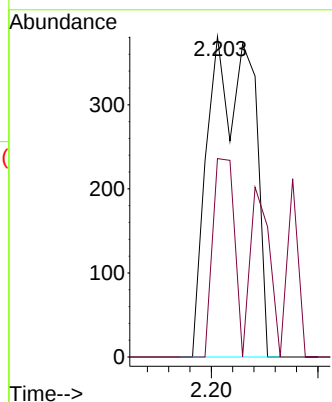
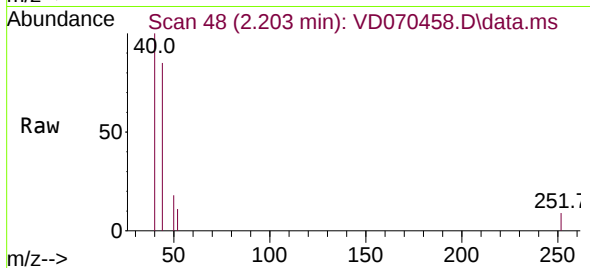




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

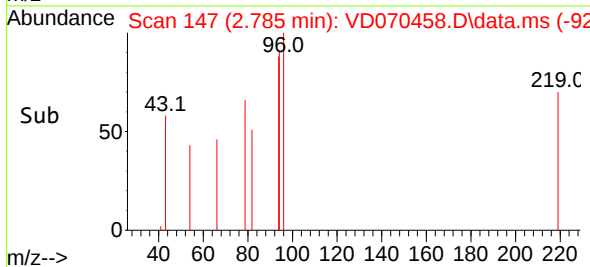
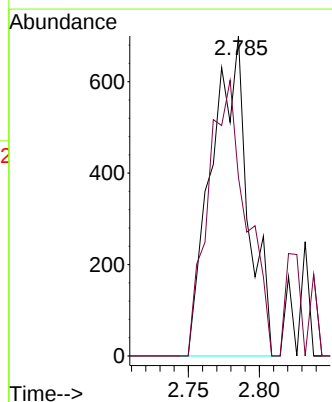
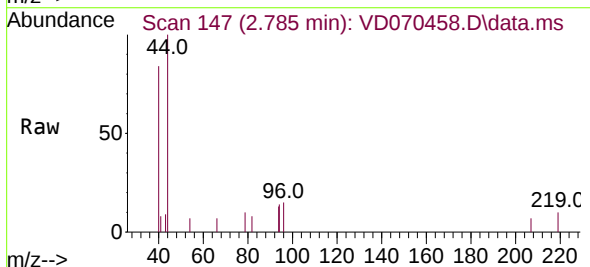
Instrument :
MSVOA_D
ClientSampled :

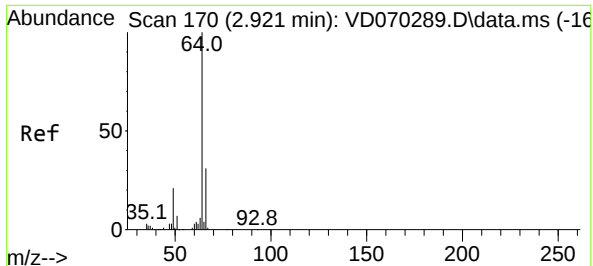
Tgt Ion: 50 Resp: 556
Ion Ratio Lower Upper
50 100
52 61.9 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion: 94 Resp: 1246
Ion Ratio Lower Upper
94 100
96 55.9 73.0 109.6#

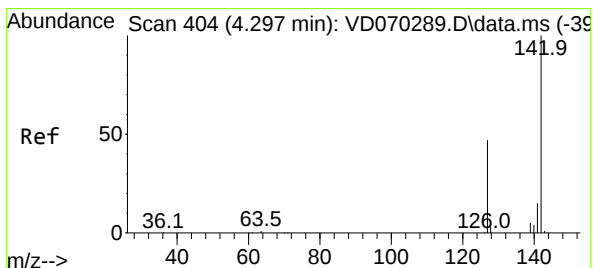
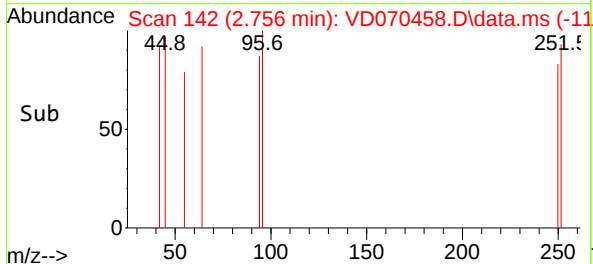
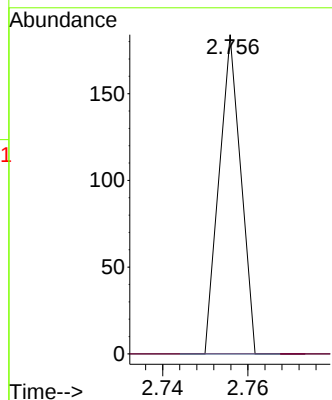
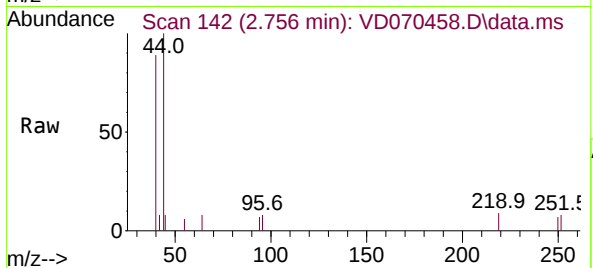




#6
Chloroethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.165 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

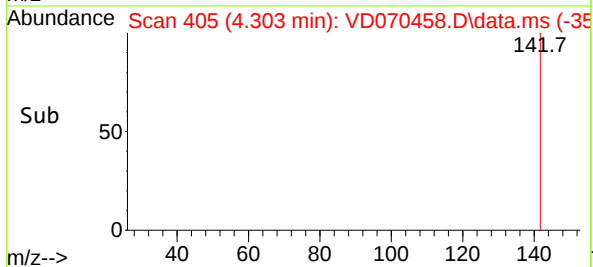
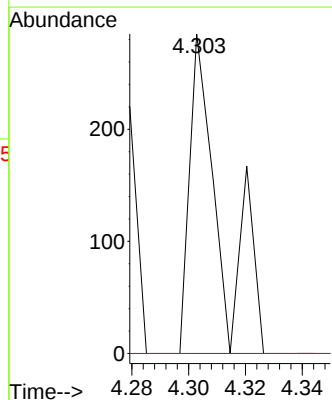
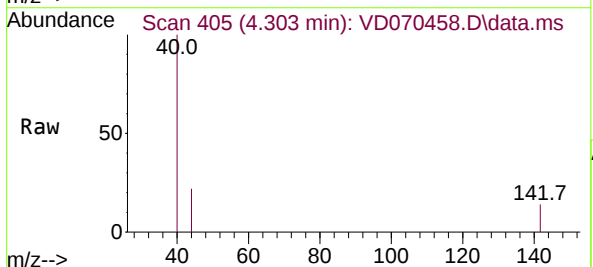
Instrument :
MSVOA_D
ClientSampled :

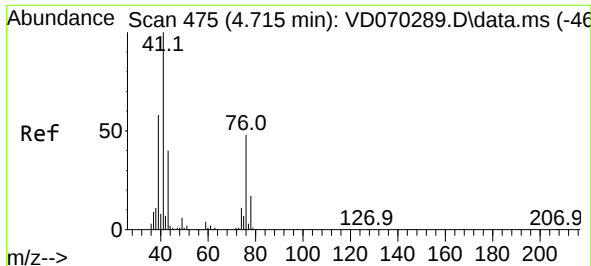
Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.108 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

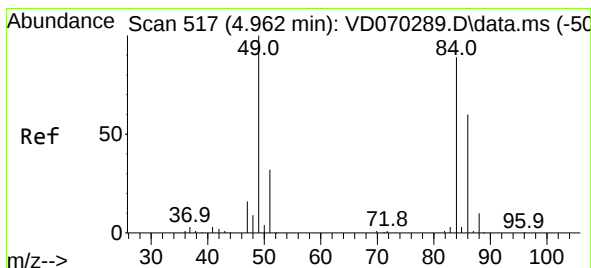
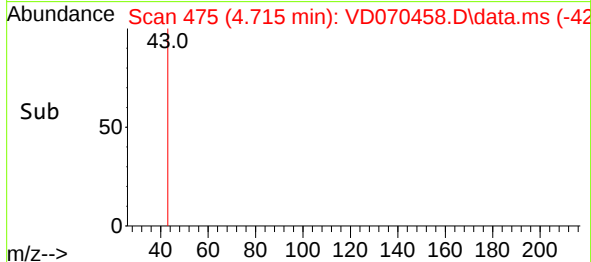
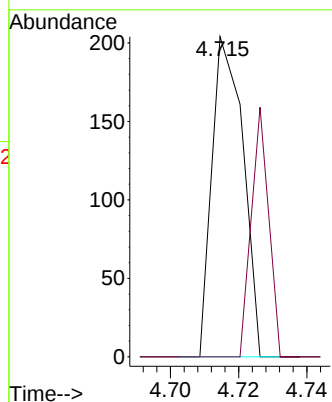
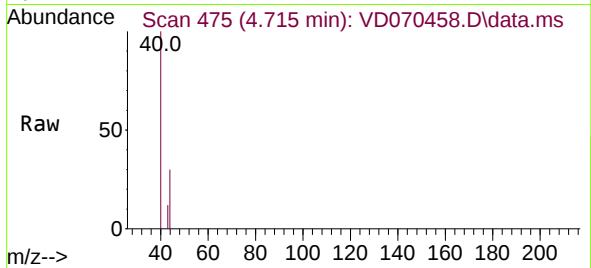




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

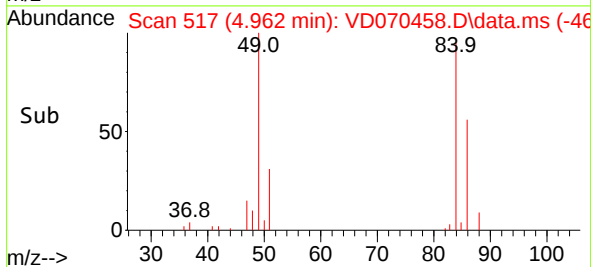
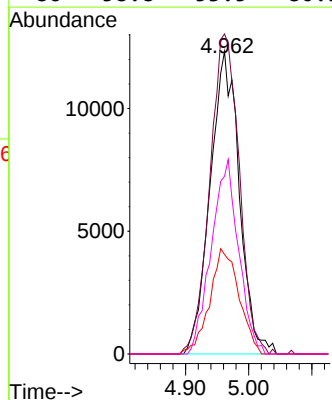
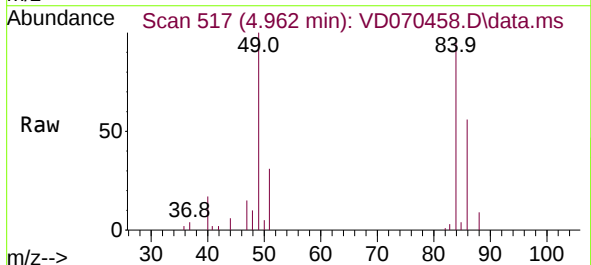
Instrument :
MSVOA_D
ClientSampled :

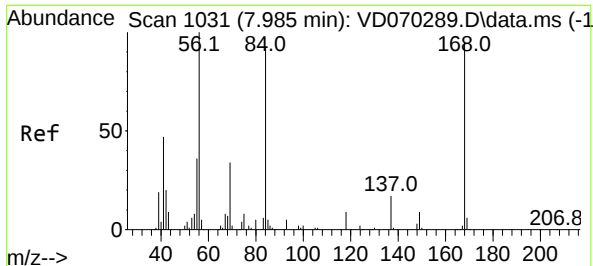
Tgt Ion: 43 Resp: 129
Ion Ratio Lower Upper
43 100
74 43.4 21.6 32.4#



#20
Methylene Chloride
Concen: 6.555 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

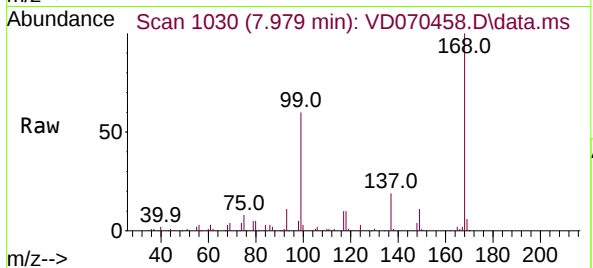
Tgt Ion: 84 Resp: 39472
Ion Ratio Lower Upper
84 100
49 105.8 89.6 134.4
51 32.9 28.6 43.0
86 58.8 53.5 80.3



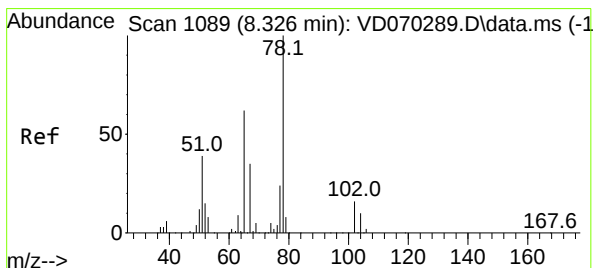
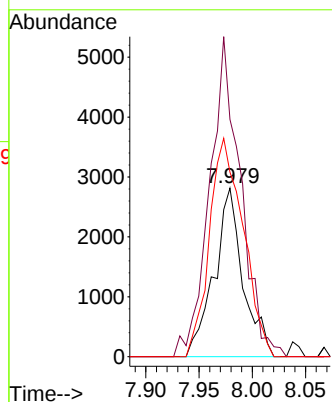
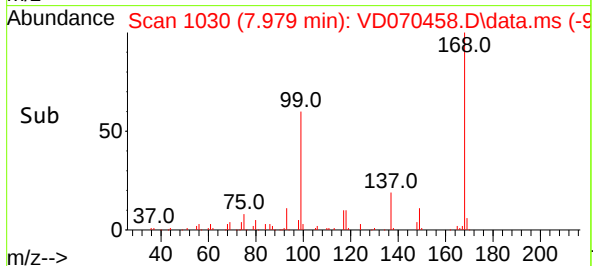


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

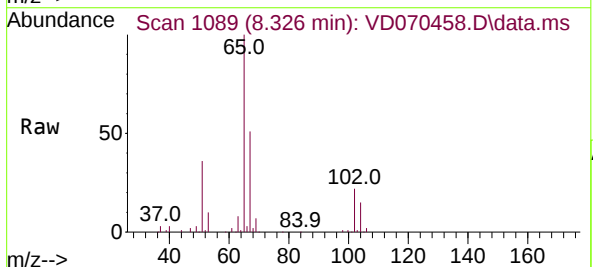
Instrument :
MSVOA_D
ClientSampled :



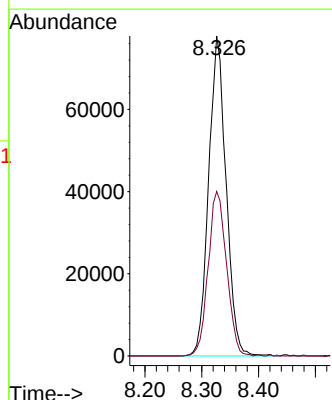
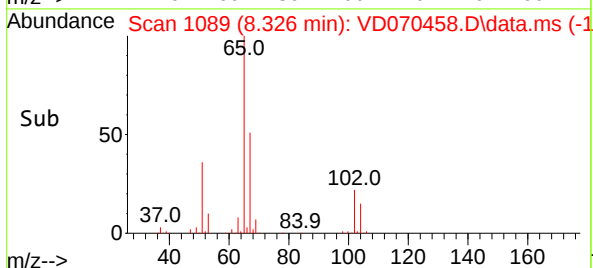
Tgt Ion: 56 Resp: 5280
Ion Ratio Lower Upper
56 100
69 135.4 26.9 40.3#
84 109.5 73.6 110.4

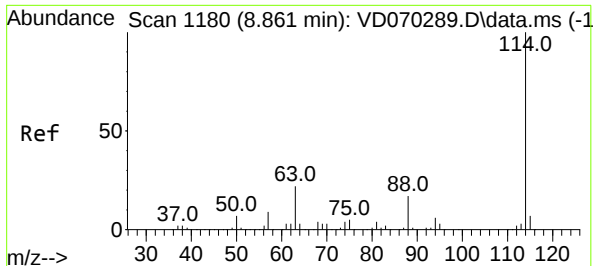


#33
1,2-Dichloroethane-d4
Concen: 60.012 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48



Tgt Ion: 65 Resp: 165477
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070458.D

Acq: 24 Sep 2021 16:48

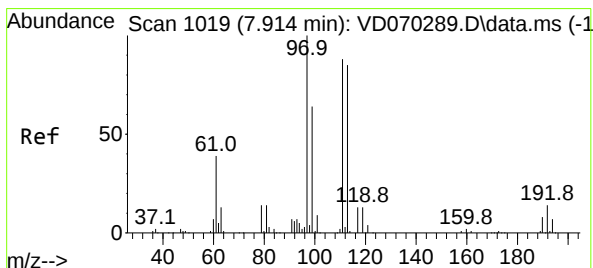
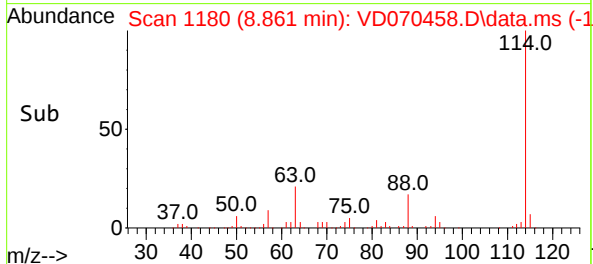
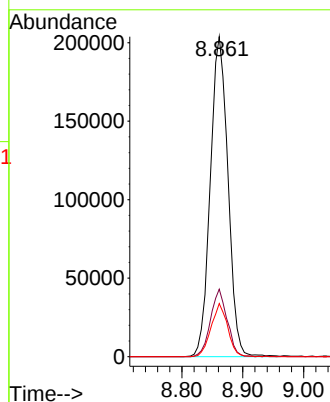
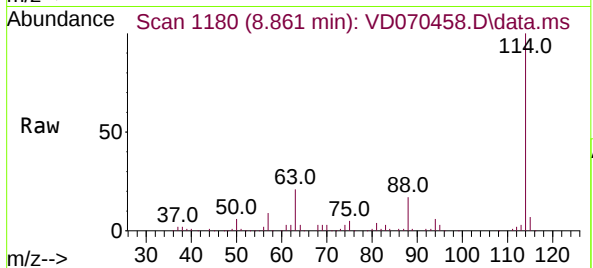
Tgt Ion:114 Resp: 410731

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

88 16.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 54.217 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070458.D

Acq: 24 Sep 2021 16:48

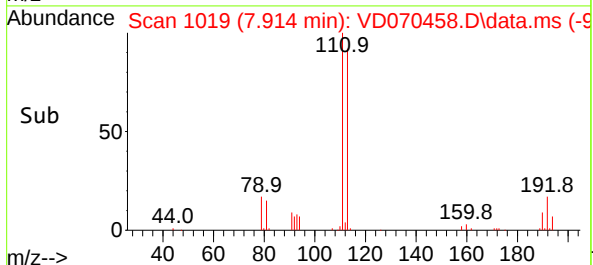
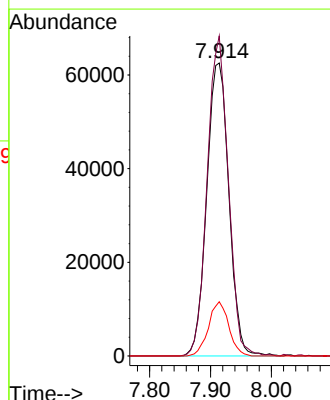
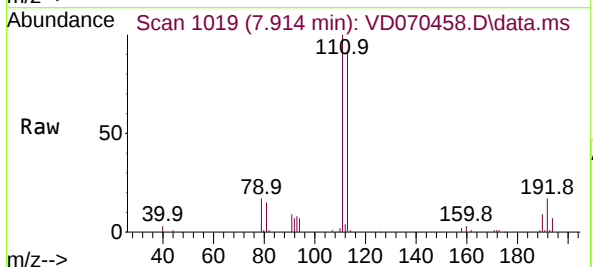
Tgt Ion:113 Resp: 158512

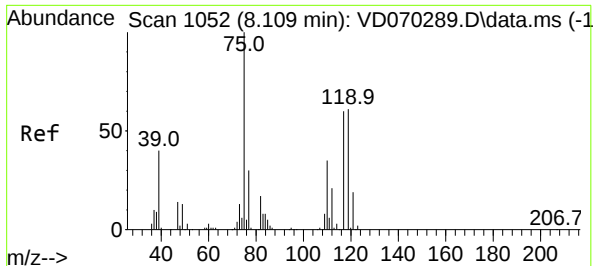
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.2

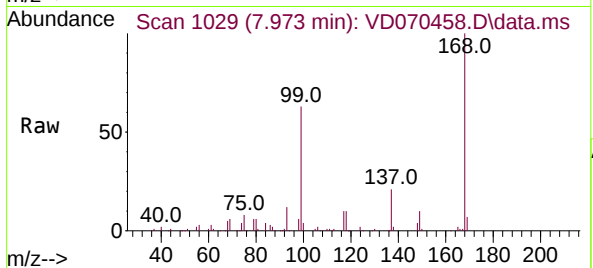
192 17.0 13.0 19.6



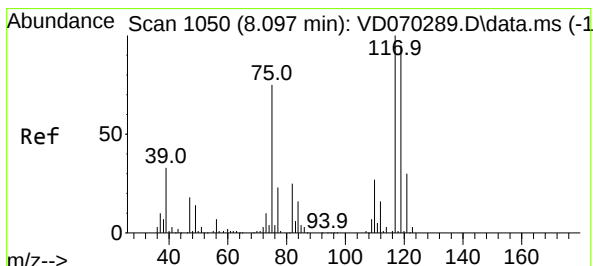
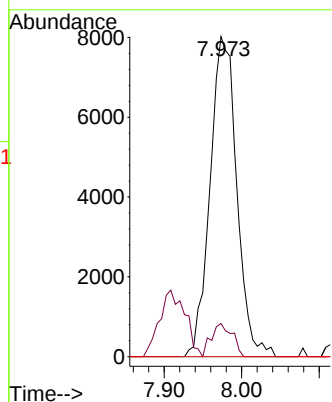
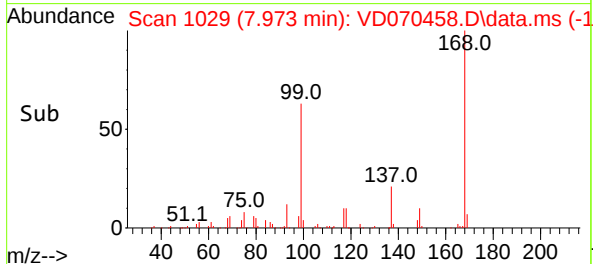


#36
1,1-Dichloropropene
Concen: 4.380 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

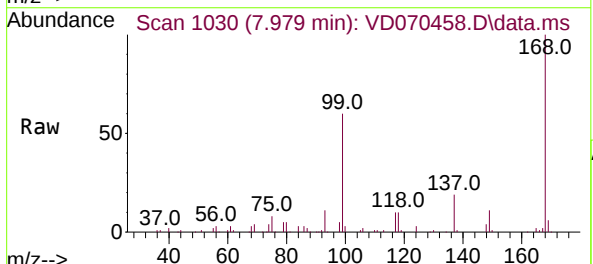
Instrument :
MSVOA_D
ClientSampled :



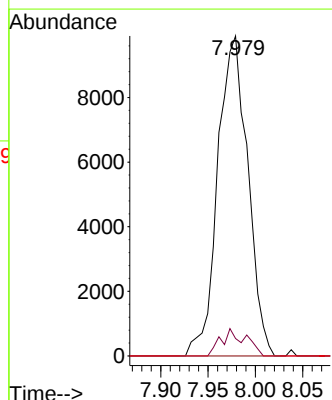
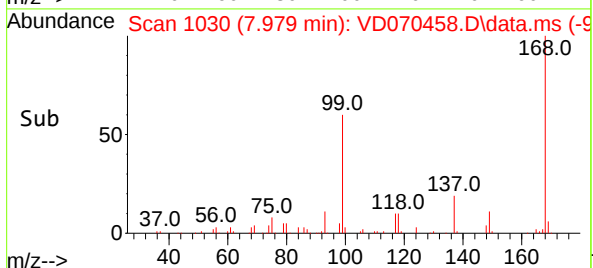
Tgt Ion: 75 Resp: 19231
Ion Ratio Lower Upper
75 100
110 8.1 17.9 53.7#
77 0.0 25.3 37.9#

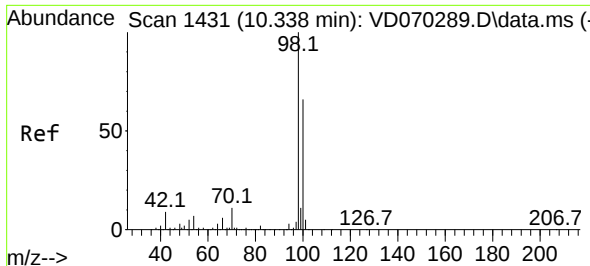


#38
Carbon Tetrachloride
Concen: 5.043 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48



Tgt Ion: 117 Resp: 21896
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 23.8 35.6#

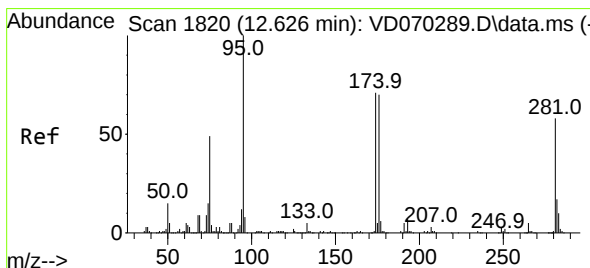
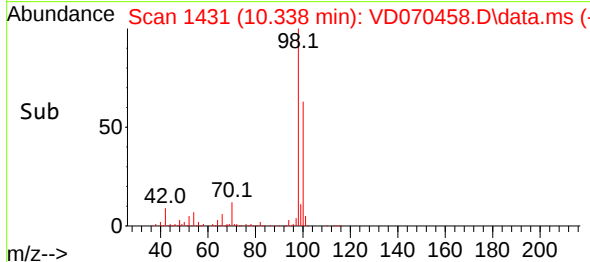
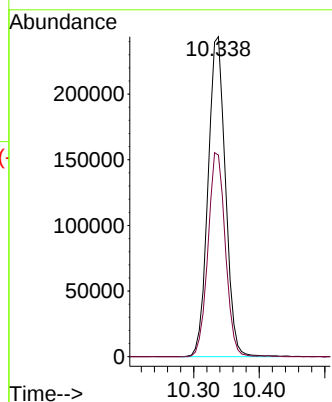
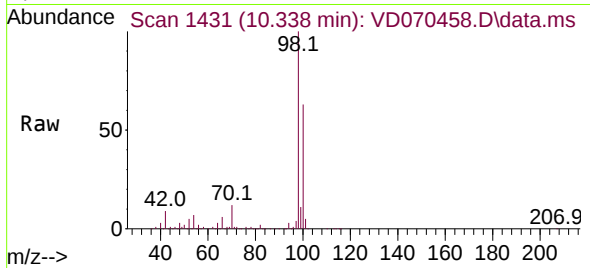




#50
Toluene-d8
Concen: 42.345 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

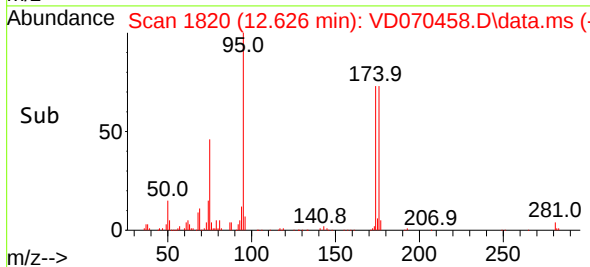
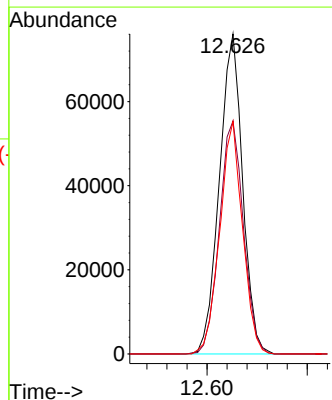
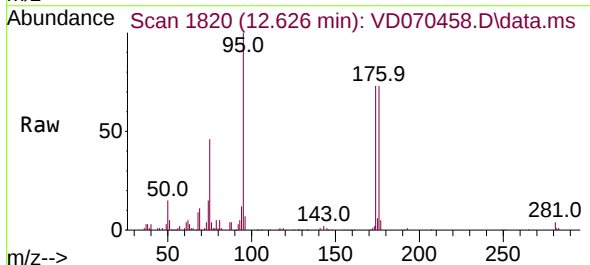
Instrument :
MSVOA_D
ClientSampleId :

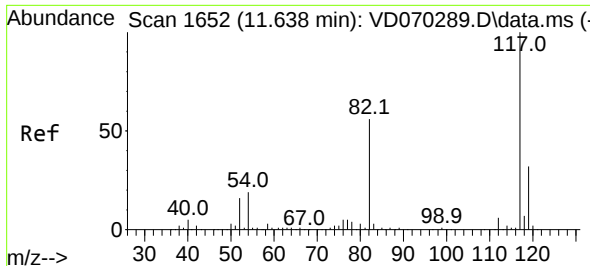
Tgt Ion: 98 Resp: 449492
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 32.956 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion: 95 Resp: 122262
Ion Ratio Lower Upper
95 100
174 75.3 0.0 140.6
176 71.2 0.0 137.4

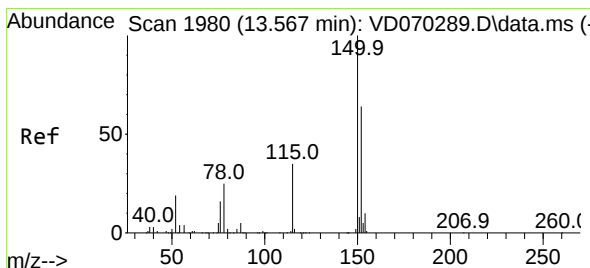
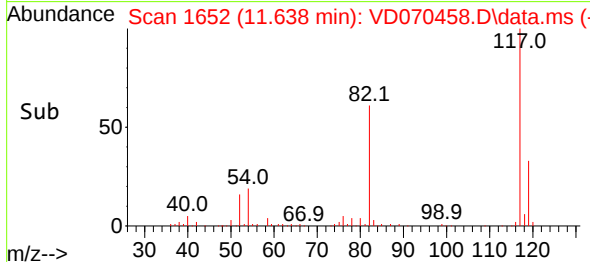
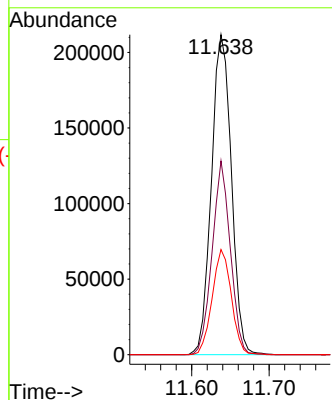
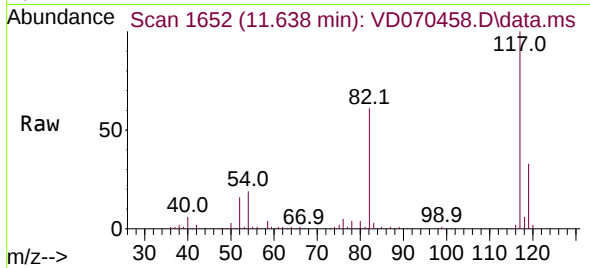




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

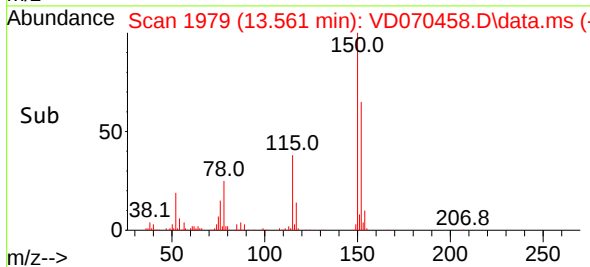
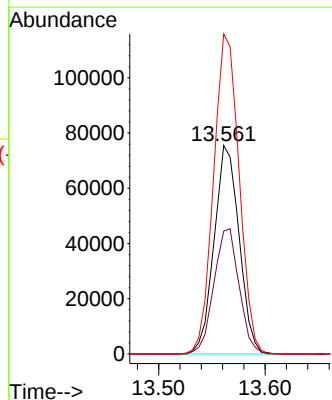
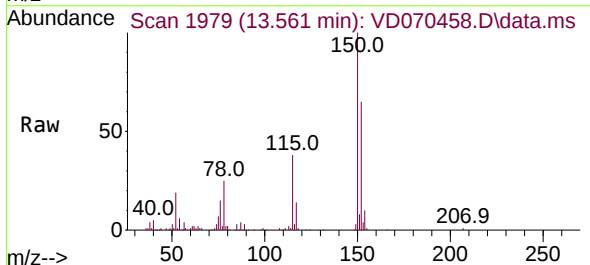
Instrument :
MSVOA_D
ClientSampled :

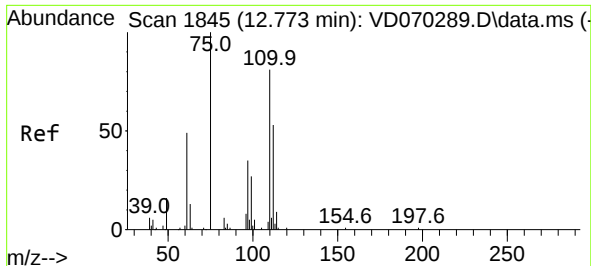
Tgt Ion:117 Resp: 378629
Ion Ratio Lower Upper
117 100
82 60.6 45.0 67.4
119 32.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion:152 Resp: 122864
Ion Ratio Lower Upper
152 100
115 60.6 32.1 96.3
150 157.1 0.0 350.6

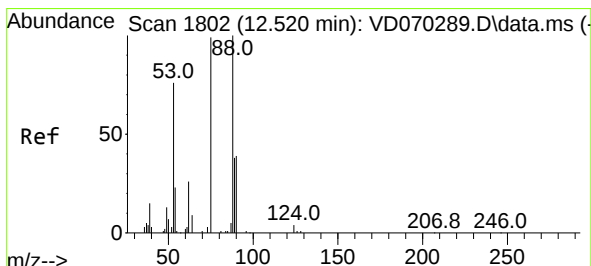
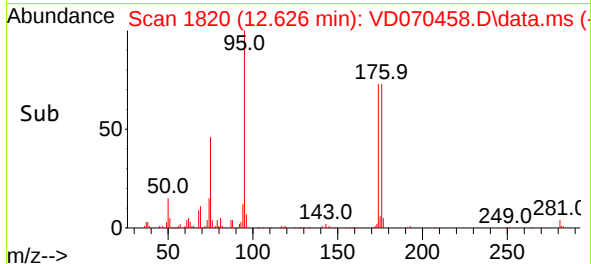
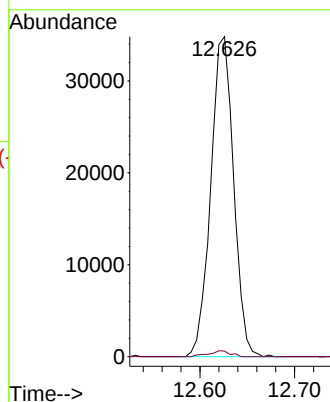
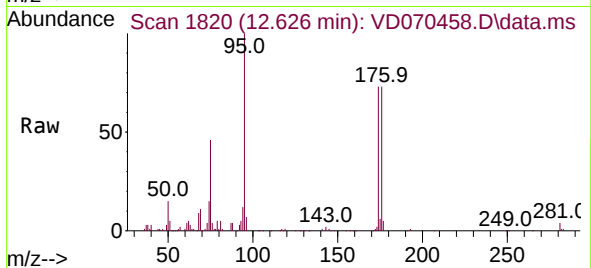




#76
1,2,3-Trichloropropane
Concen: 47.036 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58456
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.854 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070458.D
Acq: 24 Sep 2021 16:48

Tgt Ion: 75 Resp: 58456
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.0 35.6 53.4#

