

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
 Data File : VD070541.D
 Acq On : 30 Sep 2021 15:20
 Operator : VA/SY
 Sample : M3975-08RE
 Misc : 7.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 01 02:04:50 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)

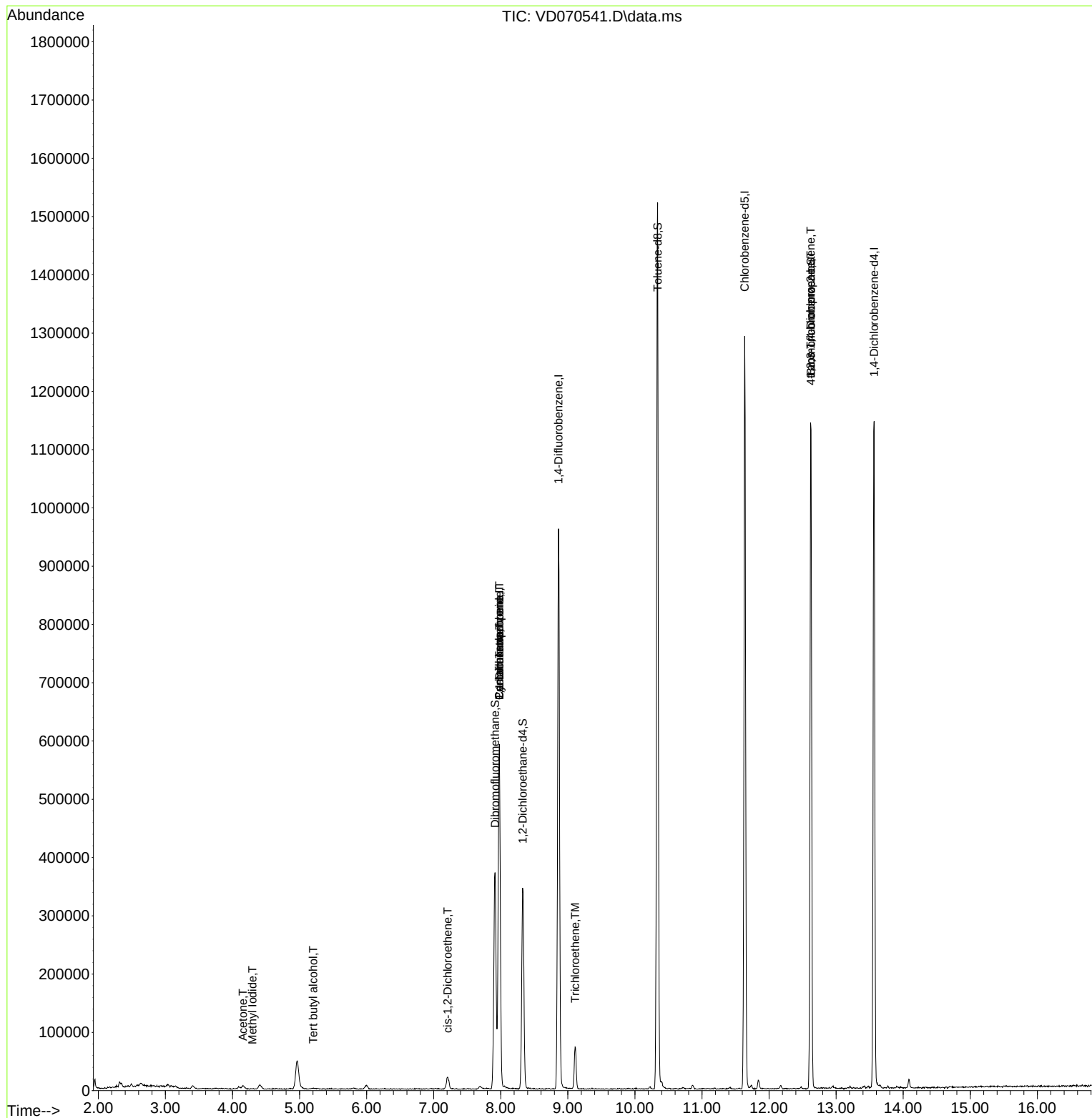
Internal Standards						
1) Pentafluorobenzene	7.979	168	406980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	829661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	757737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	305903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	272934	52.229	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.914	113	276715	46.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.720%	
50) Toluene-d8	10.338	98	1064827	49.661	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.320%	
62) 4-Bromofluorobenzene	12.626	95	329640	43.989	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.980%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	441	Below Cal	#	43
3) Chloromethane	2.215	50	526	Below Cal	#	50
5) Bromomethane	2.785	94	1049	Below Cal		97
6) Chloroethane	2.944	64	60	Below Cal	#	43
10) Methyl Iodide	4.297	142	293	1.086	ug/l #	39
11) Tert butyl alcohol	5.203	59	964	1.632	ug/l #	100
16) Acetone	4.156	43	9506	10.189	ug/l #	79
18) Methyl Acetate	4.914	43	168	Below Cal	#	48
20) Methylene Chloride	4.967	84	39798	Below Cal		96
27) cis-1,2-Dichloroethene	7.208	96	12118	2.000	ug/l	88
31) Cyclohexane	7.979	56	9146	1.016	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	37116	4.185	ug/l #	49
38) Carbon Tetrachloride	7.979	117	44546	5.079	ug/l #	16
44) Trichloroethene	9.108	130	26723	4.303	ug/l	91
76) 1,2,3-Trichloropropane	12.620	75	161359	52.148	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	161359	130.662	ug/l #	18

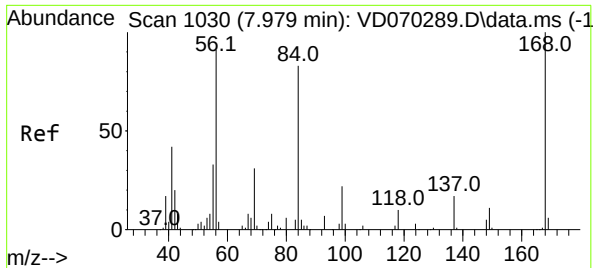
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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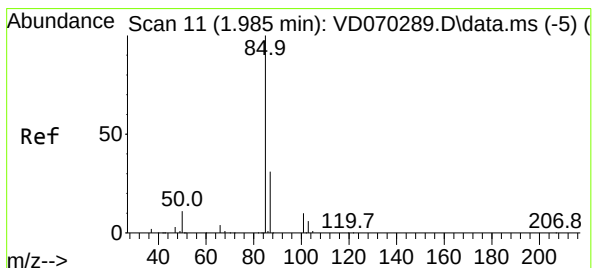
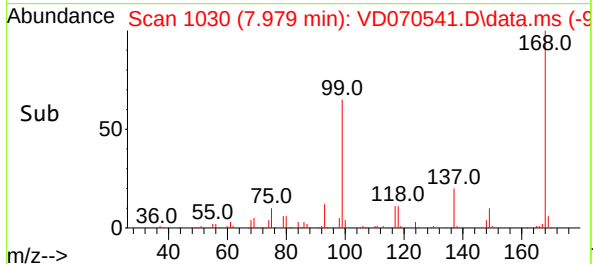
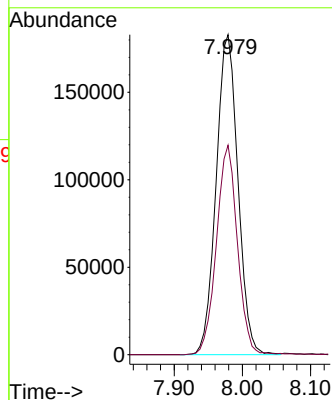
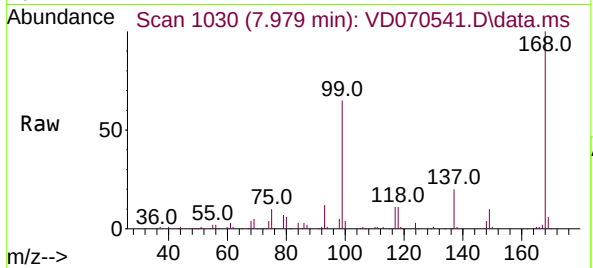




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

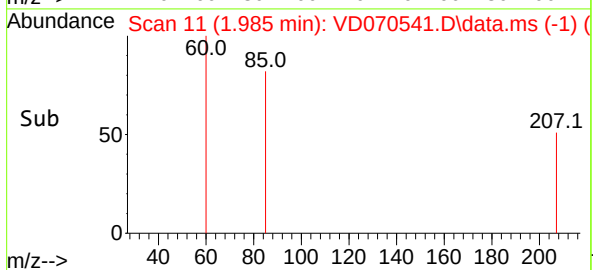
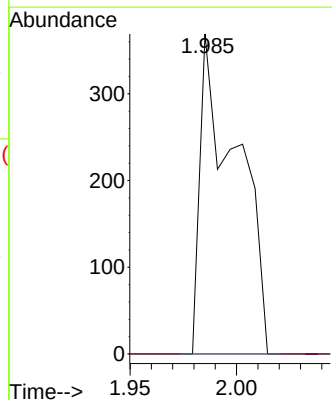
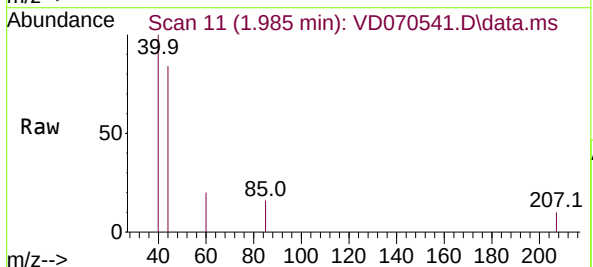
Instrument :
MSVOA_D
ClientSampleId :

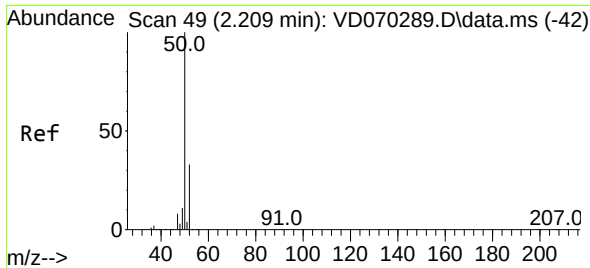
Tgt Ion:168 Resp: 406980
Ion Ratio Lower Upper
168 100
99 65.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 85 Resp: 441
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

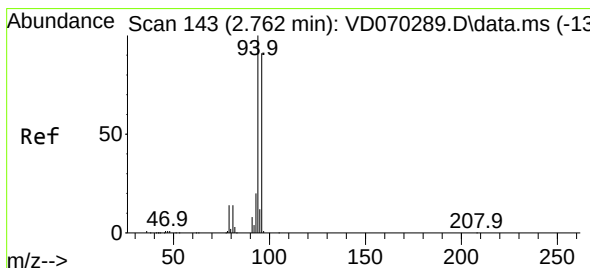
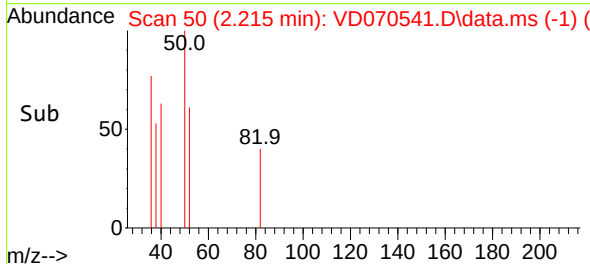
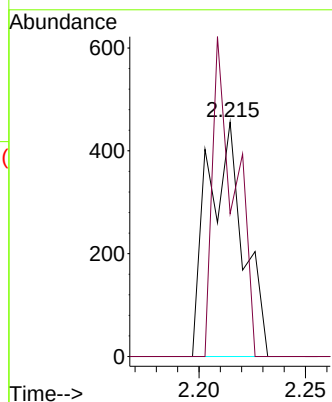
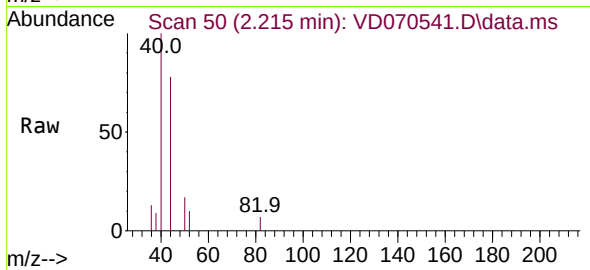




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

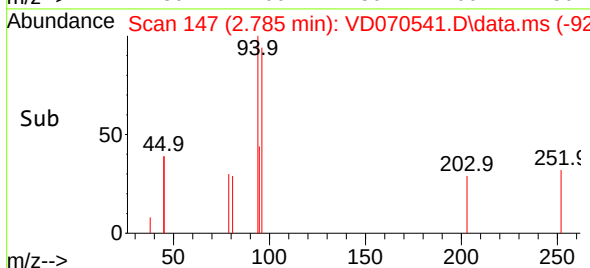
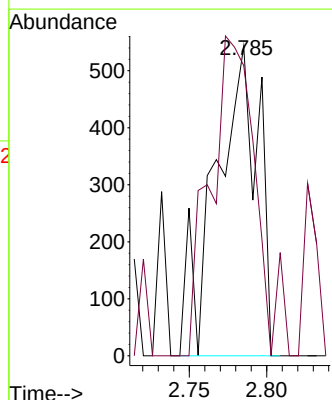
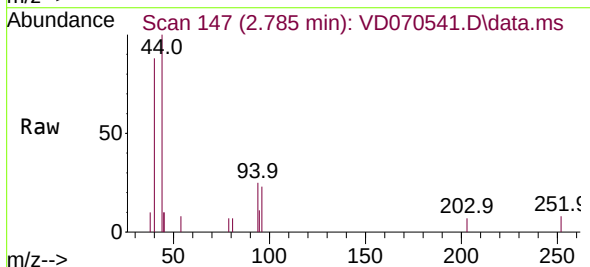
Instrument :
MSVOA_D
ClientSampleId :

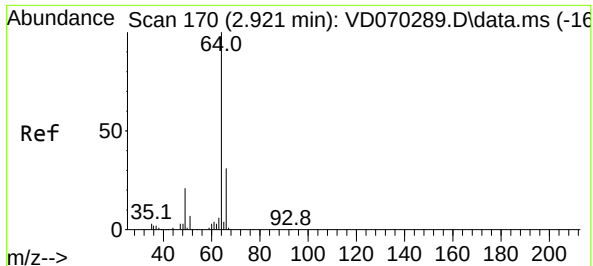
Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 61.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 94 Resp: 1049
Ion Ratio Lower Upper
94 100
96 93.7 73.0 109.6

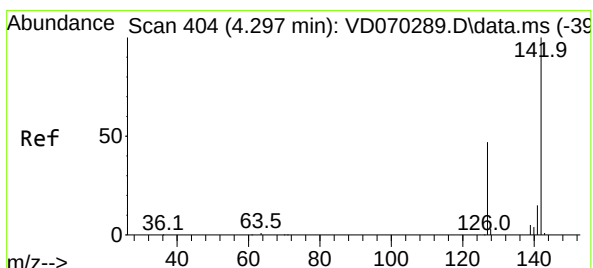
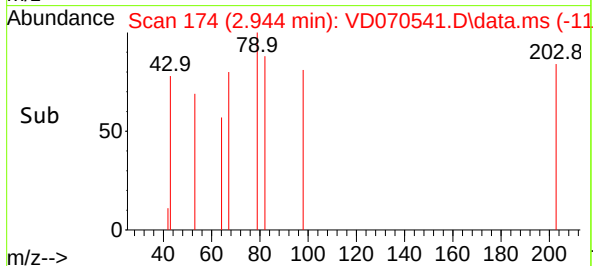
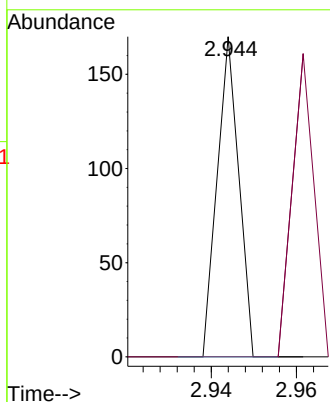
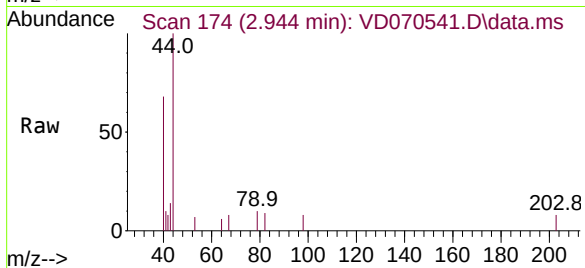




#6
Chloroethane
Concen: Below Cal
RT: 2.944 min Scan# 174
Delta R.T. 0.023 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

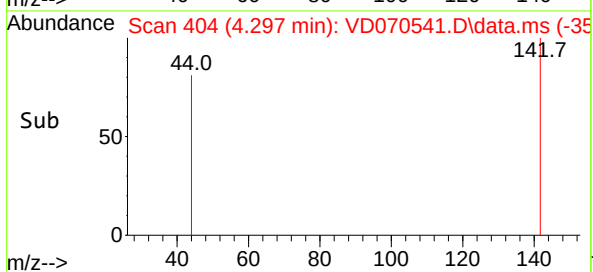
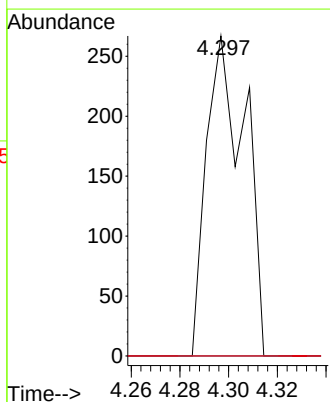
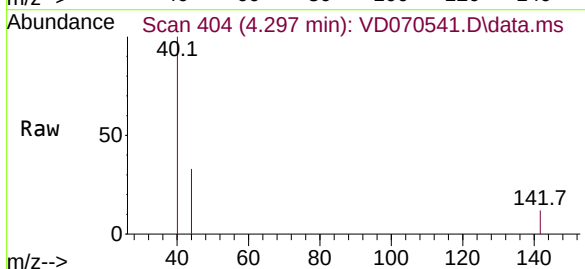
Instrument :
MSVOA_D
ClientSampleId :

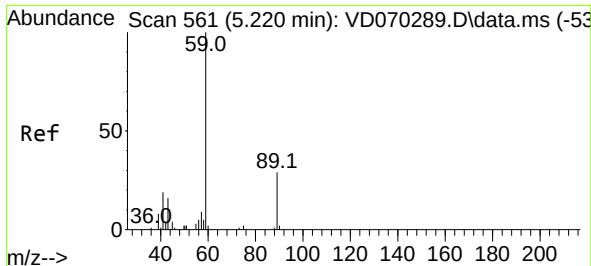
Tgt Ion: 64 Resp: 60
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.086 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

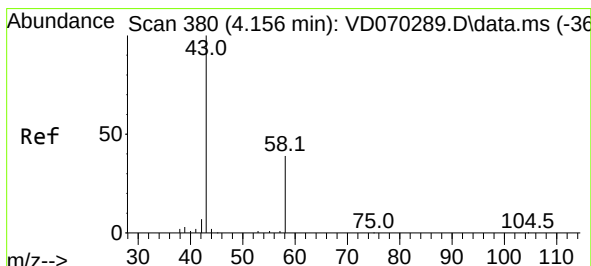
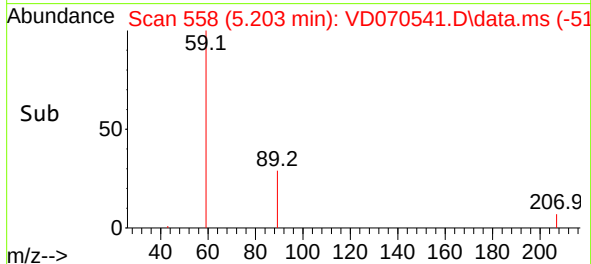
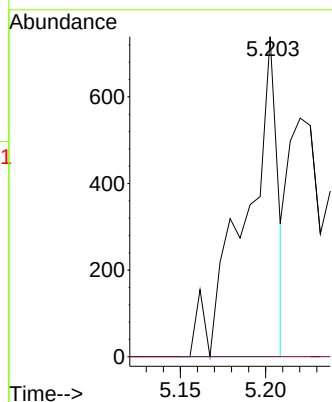
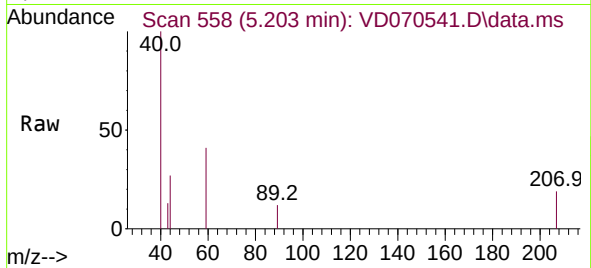




#11
Tert butyl alcohol
Concen: 1.632 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

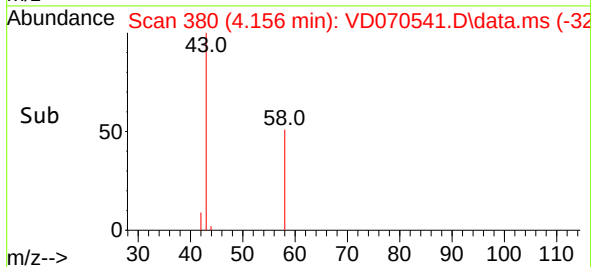
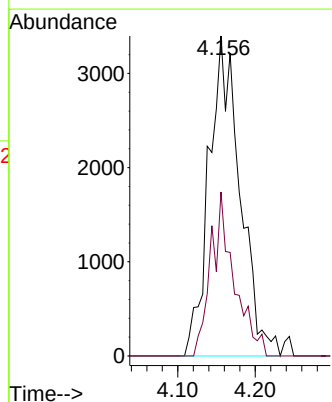
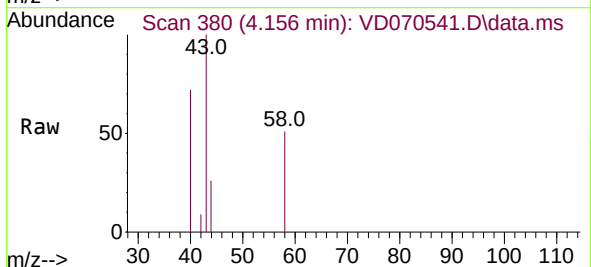
Instrument :
MSVOA_D
ClientSampled :

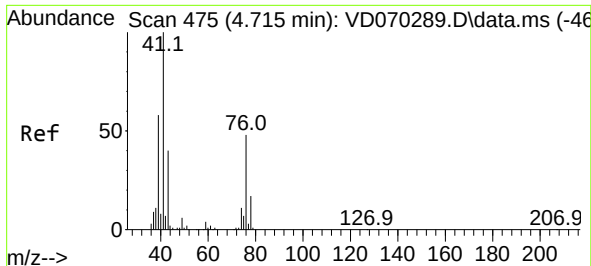
Tgt Ion: 59 Resp: 964
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 10.189 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 43 Resp: 9506
Ion Ratio Lower Upper
43 100
58 51.3 30.9 46.3#

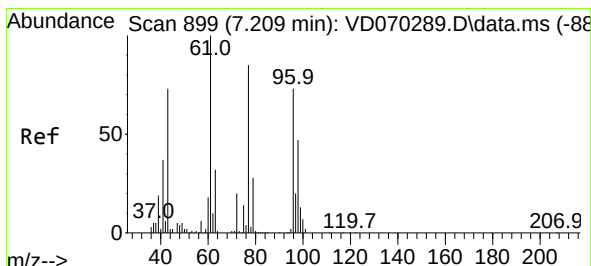
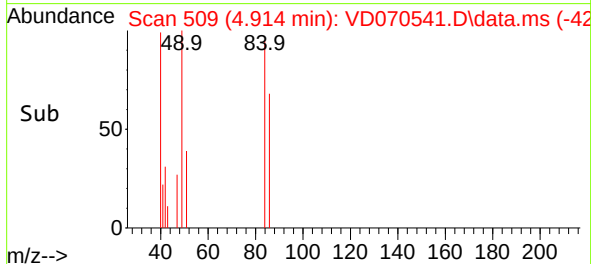
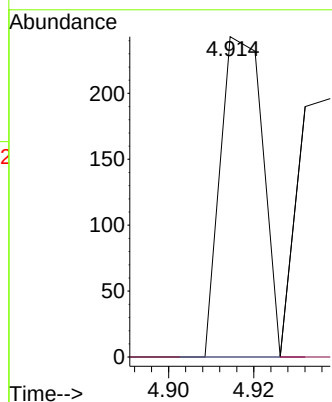
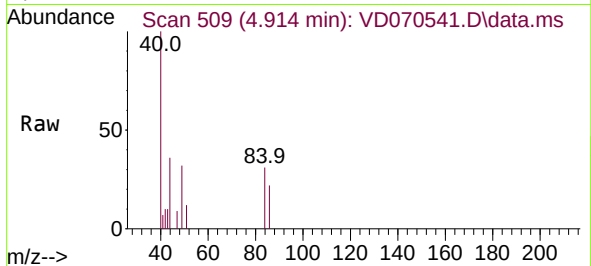




#18
Methyl Acetate
Concen: Below Cal
RT: 4.914 min Scan# 509
Delta R.T. 0.199 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

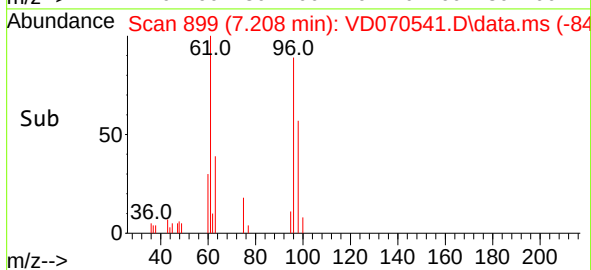
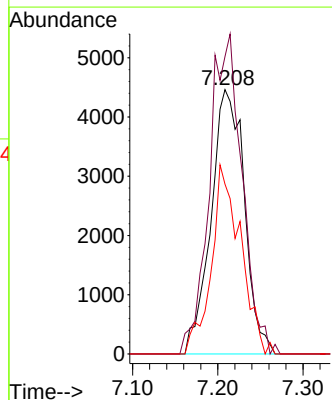
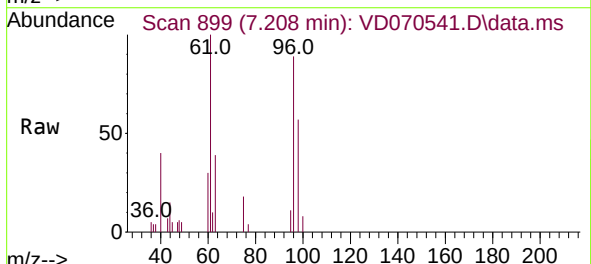
Instrument :
MSVOA_D
ClientSampled :

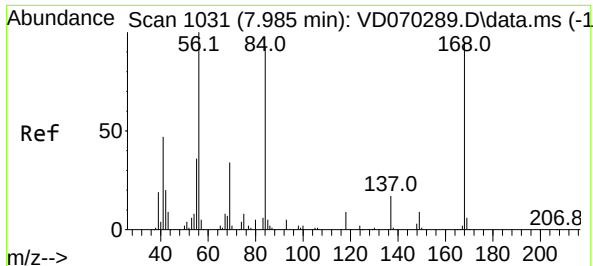
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#27
cis-1,2-Dichloroethene
Concen: 2.000 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 96 Resp: 12118
Ion Ratio Lower Upper
96 100
61 118.7 0.0 277.4
98 62.9 0.0 130.0

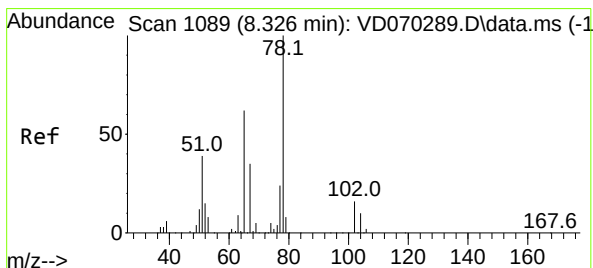
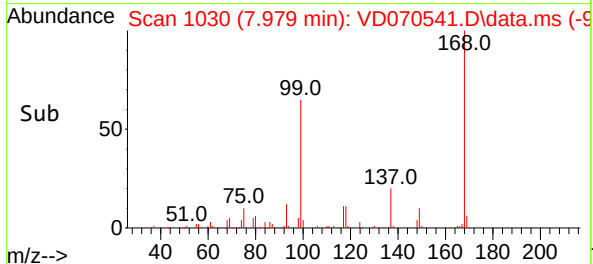
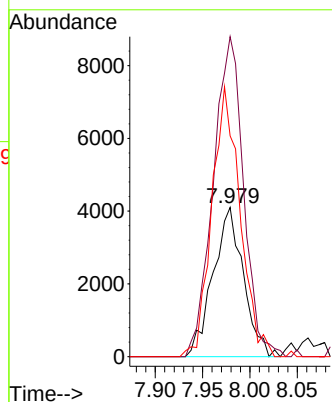
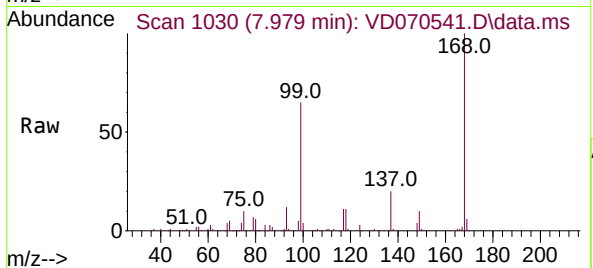




#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

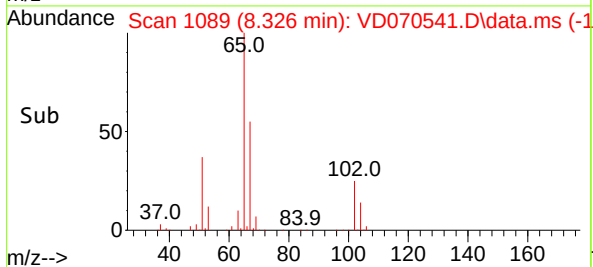
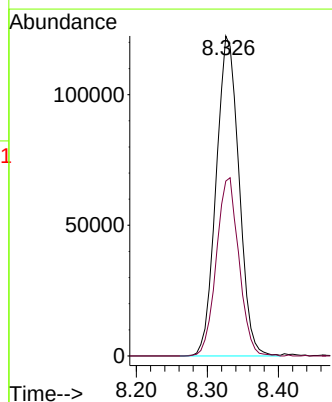
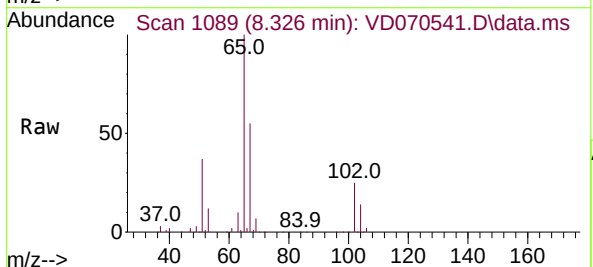
Instrument :
MSVOA_D
ClientSampleId :

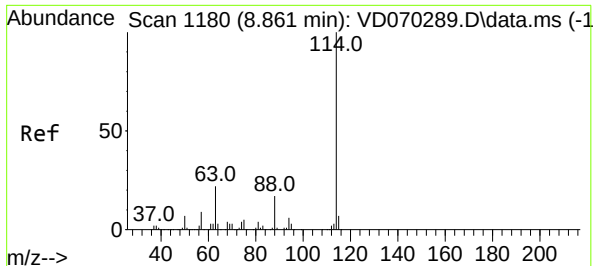
Tgt Ion: 56 Resp: 9146
Ion Ratio Lower Upper
56 100
69 214.5 26.9 40.3#
84 147.9 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 52.229 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 65 Resp: 272934
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.4

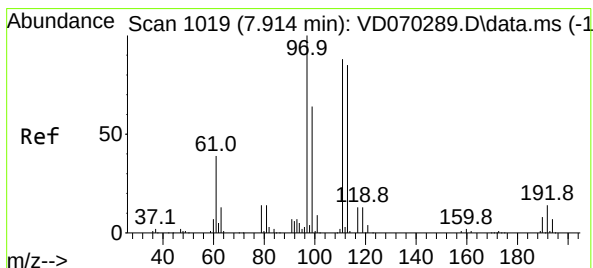
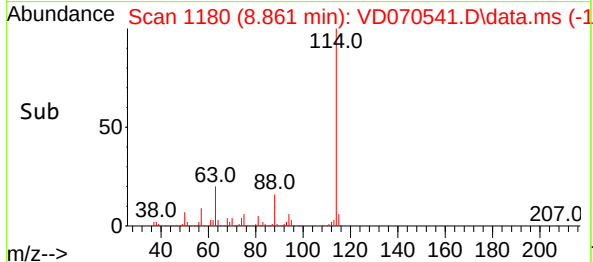
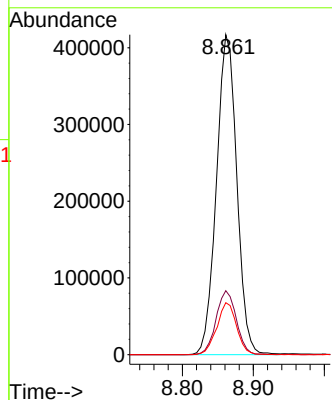
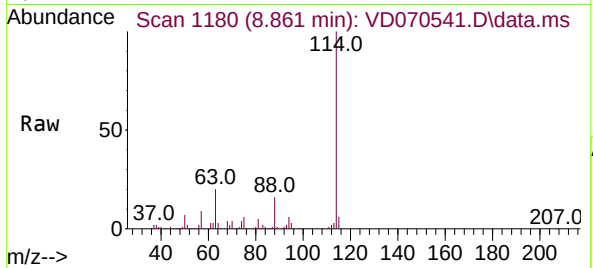




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

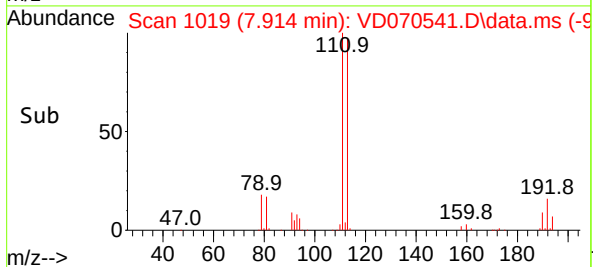
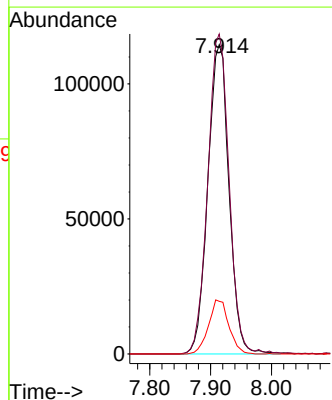
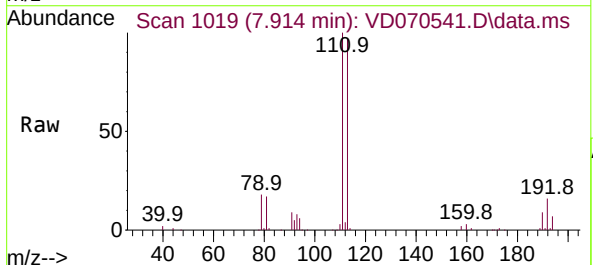
Instrument :
MSVOA_D
ClientSampleId :

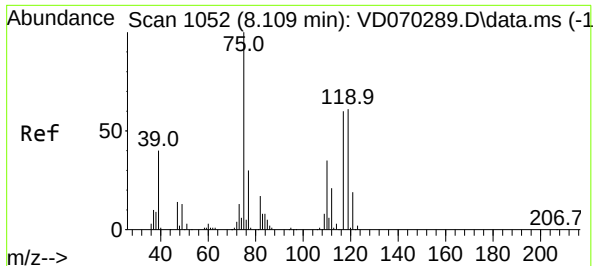
Tgt Ion:114 Resp: 829661
Ion Ratio Lower Upper
114 100
63 20.0 0.0 43.4
88 16.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.856 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion:113 Resp: 276715
Ion Ratio Lower Upper
113 100
111 104.3 81.4 122.2
192 16.8 13.0 19.6

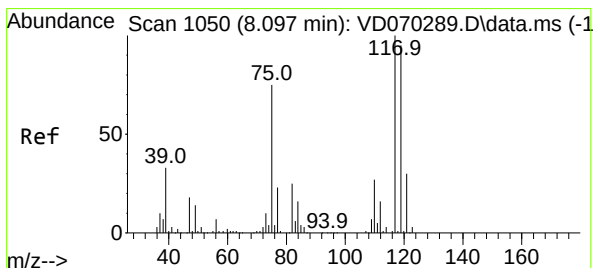
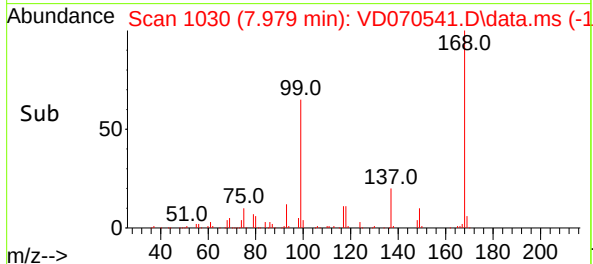
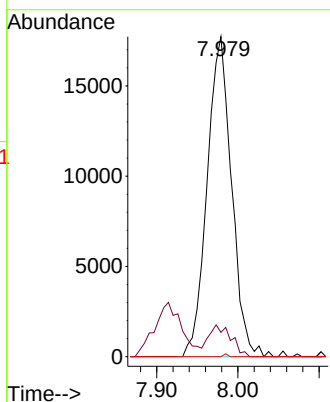
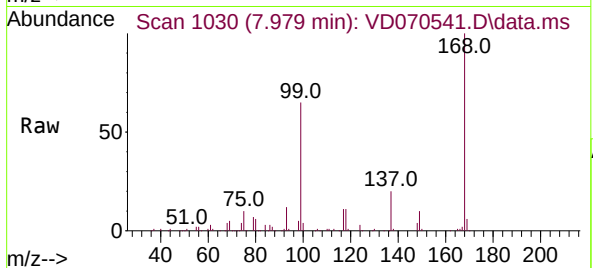




#36
1,1-Dichloropropene
Concen: 4.185 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

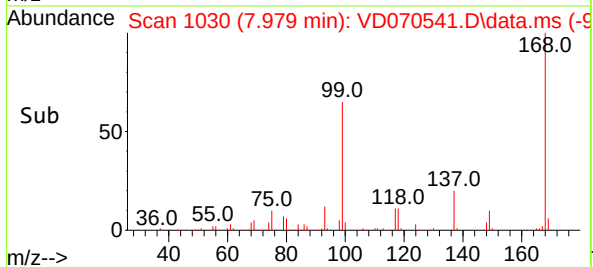
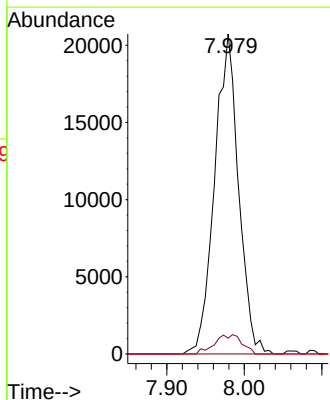
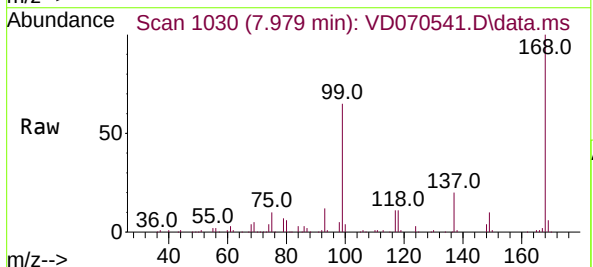
Instrument :
MSVOA_D
ClientSampleId :

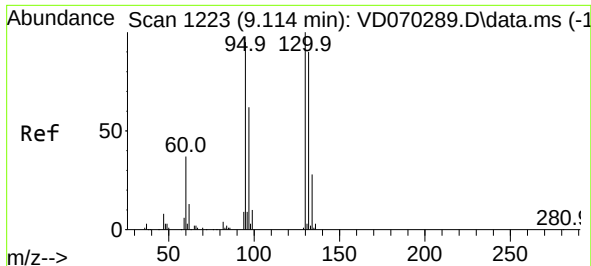
Tgt Ion: 75 Resp: 37116
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.7#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.079 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 117 Resp: 44546
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 23.8 35.6#

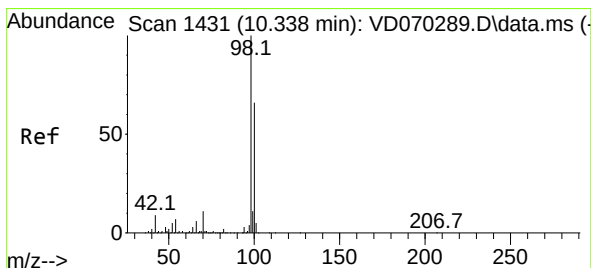
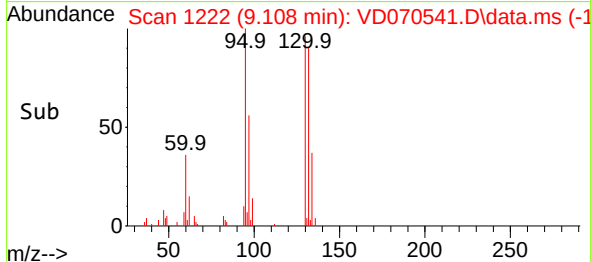
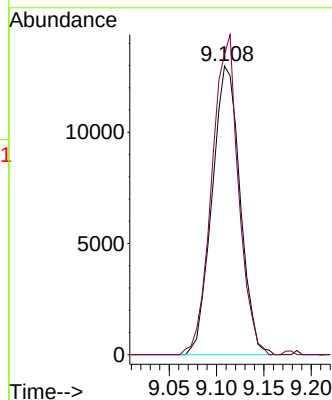
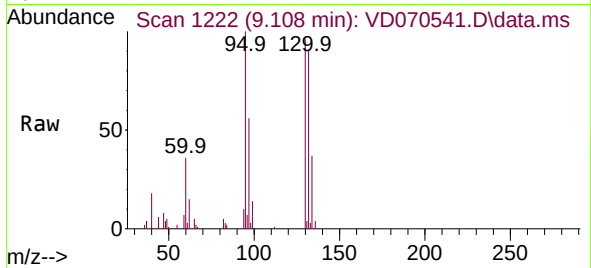




#44
Trichloroethene
Concen: 4.303 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

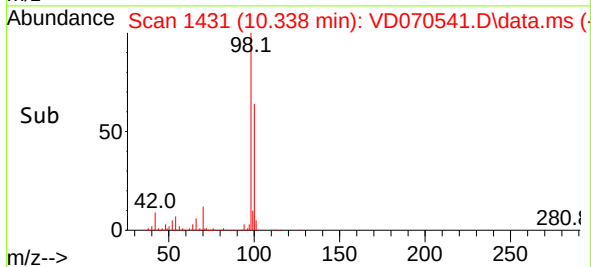
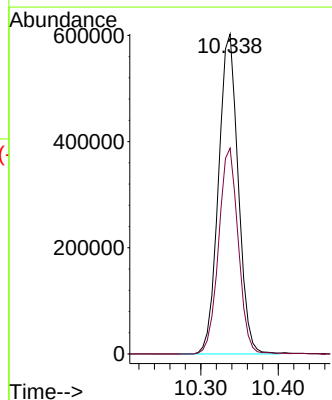
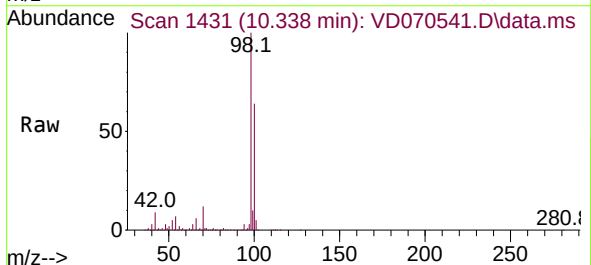
Instrument :
MSVOA_D
ClientSampled :

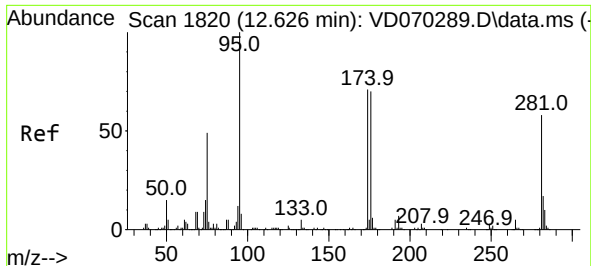
Tgt Ion:130 Resp: 26723
Ion Ratio Lower Upper
130 100
95 104.1 0.0 190.0



#50
Toluene-d8
Concen: 49.661 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 98 Resp: 1064827
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

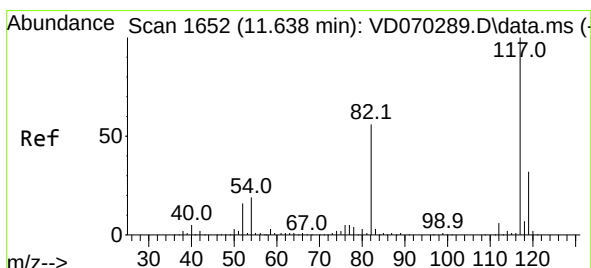
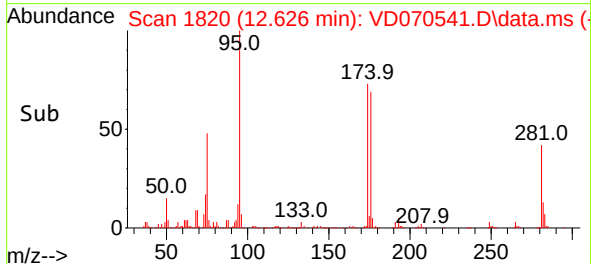
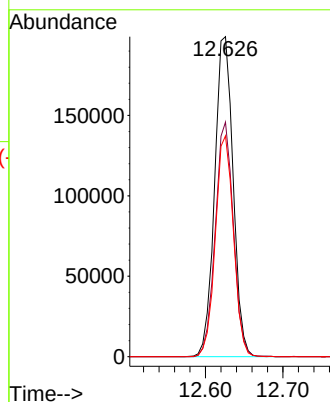
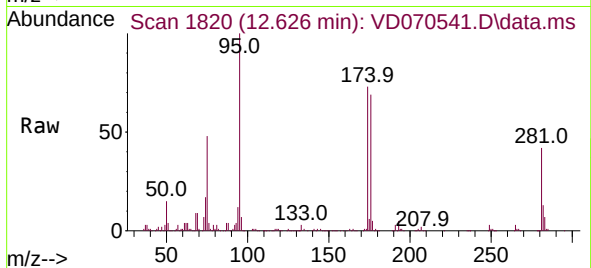




#62
4-Bromofluorobenzene
Concen: 43.989 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

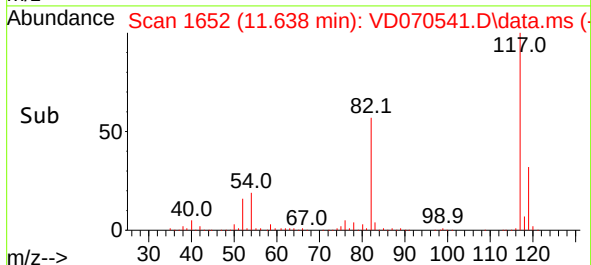
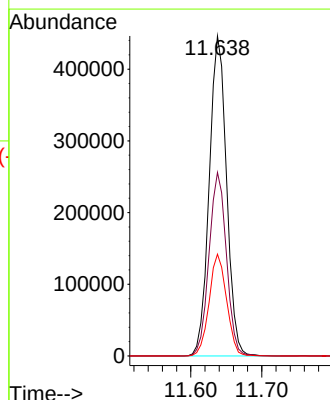
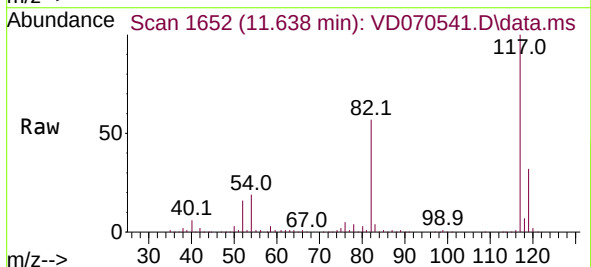
Instrument :
MSVOA_D
ClientSampleId :

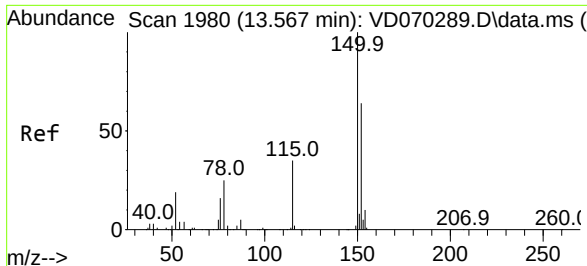
Tgt Ion: 95 Resp: 329640
Ion Ratio Lower Upper
95 100
174 71.9 0.0 140.6
176 67.7 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

Tgt Ion: 117 Resp: 757737
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 31.8 25.2 37.8

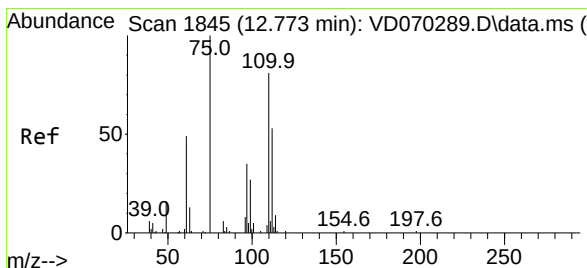
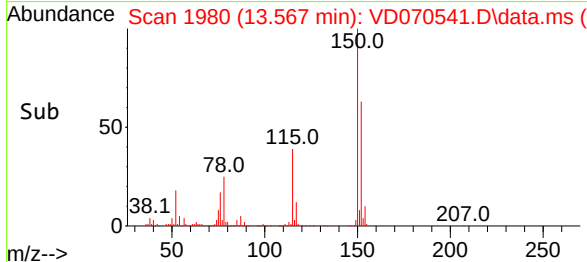
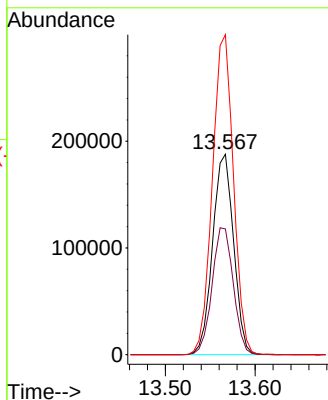
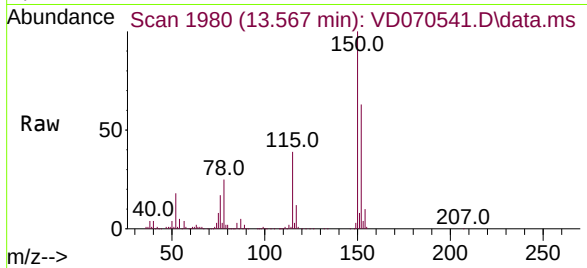




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

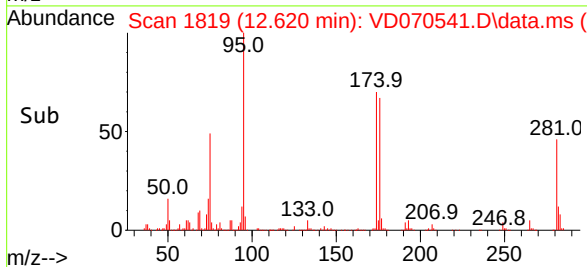
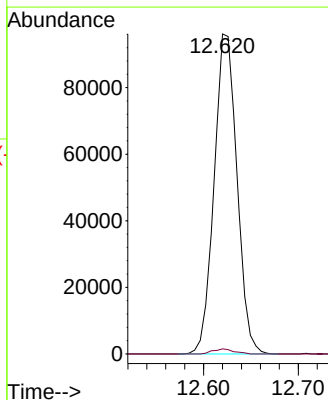
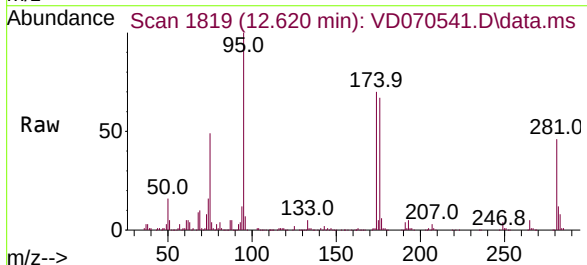
Instrument :
MSVOA_D
ClientSampleId :

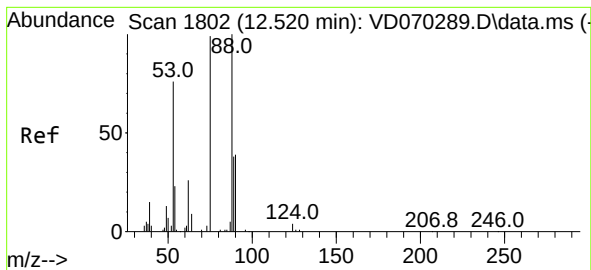
Tgt Ion:152 Resp: 305903
Ion Ratio Lower Upper
152 100
115 63.9 32.1 96.3
150 159.7 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 52.148 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070541.D
Acq: 30 Sep 2021 15:20

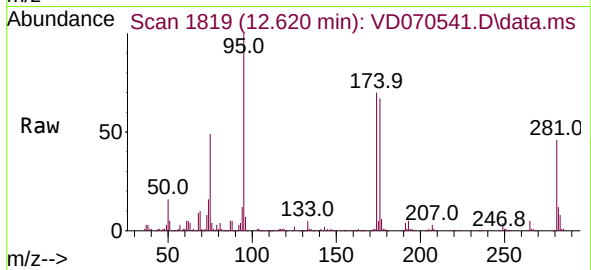
Tgt Ion: 75 Resp: 161359
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.662 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070541.D
 Acq: 30 Sep 2021 15:20

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 161359
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.2 96.2#
 89 0.6 35.6 53.4#

