

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070560.D
 Acq On : 04 Oct 2021 19:31
 Operator : VA/SY
 Sample : M4046-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-(4.5-5.0)

Quant Time: Oct 05 05:01:57 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)

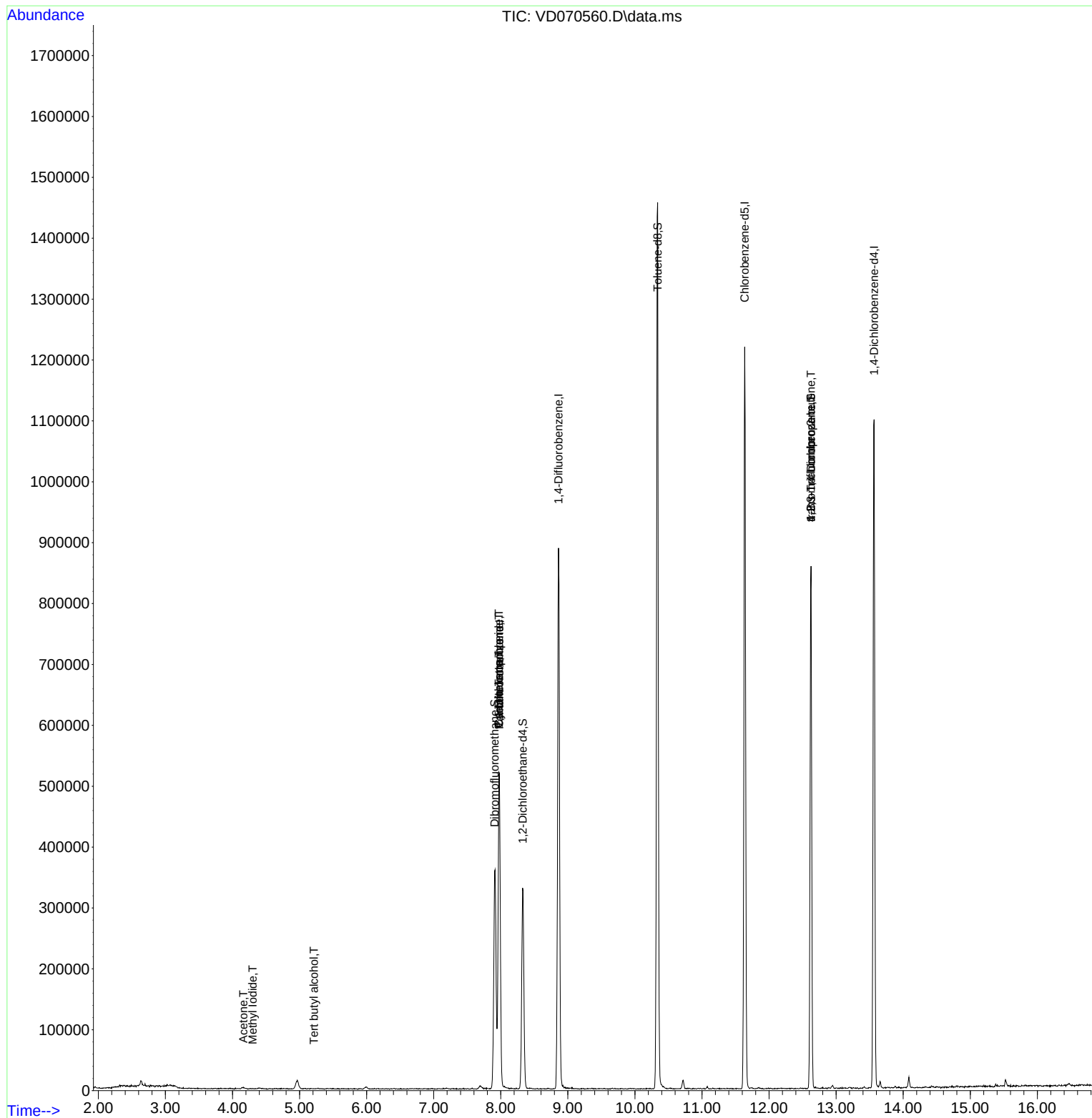
Internal Standards						
1) Pentafluorobenzene	7.979	168	370265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	777270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	733097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	305372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	264143	55.559	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.120%	
35) Dibromofluoromethane	7.908	113	272522	49.257	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.520%	
50) Toluene-d8	10.338	98	1017584	50.656	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	12.626	95	314834	44.845	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	265	Below Cal	#	43
3) Chloromethane	2.203	50	536	Below Cal	#	42
5) Bromomethane	2.767	94	986	Below Cal		94
6) Chloroethane	2.991	64	149	Below Cal	#	43
10) Methyl Iodide	4.303	142	92	1.049	ug/l #	39
11) Tert butyl alcohol	5.214	59	572	1.064	ug/l #	100
16) Acetone	4.161	43	4245	5.001	ug/l #	81
18) Methyl Acetate	4.714	43	227	Below Cal	#	48
20) Methylene Chloride	4.967	84	11240	Below Cal	#	82
31) Cyclohexane	7.973	56	8409	1.027	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	32785	3.946	ug/l #	48
38) Carbon Tetrachloride	7.973	117	41465	5.046	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	146348	47.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	146348	118.712	ug/l #	17

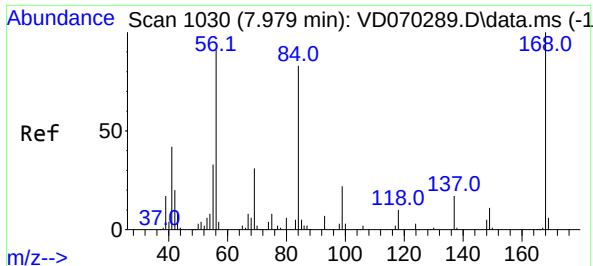
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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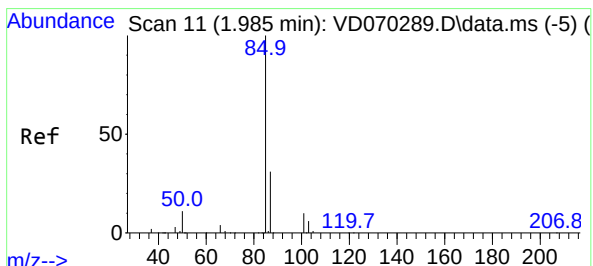
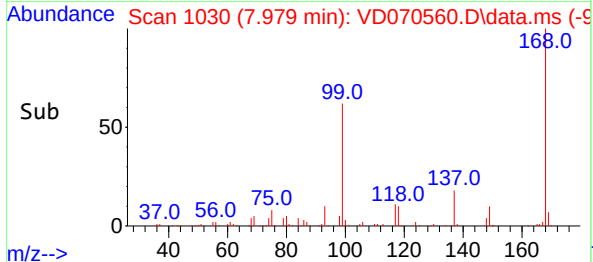
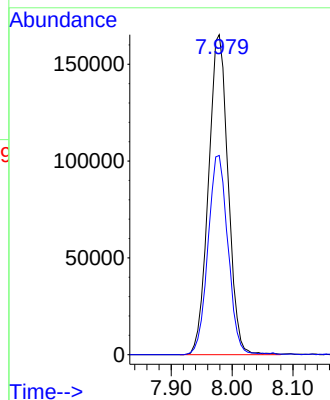
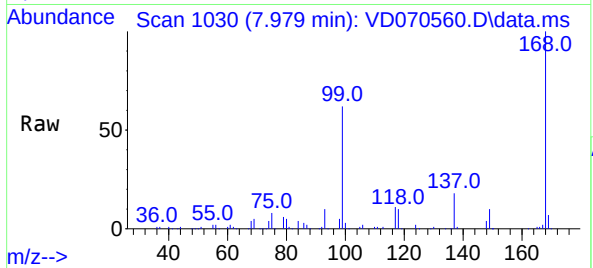




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

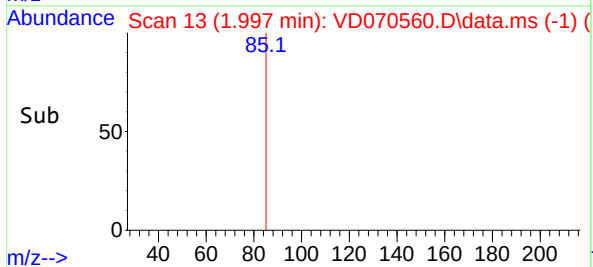
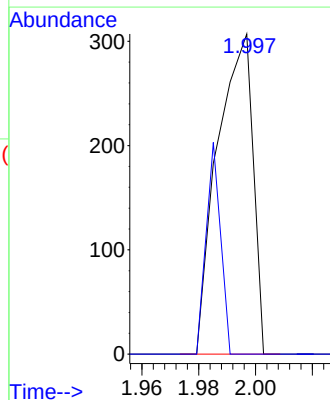
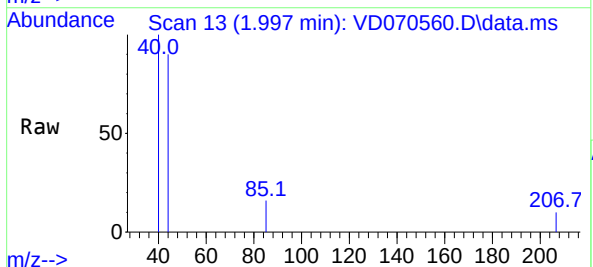
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

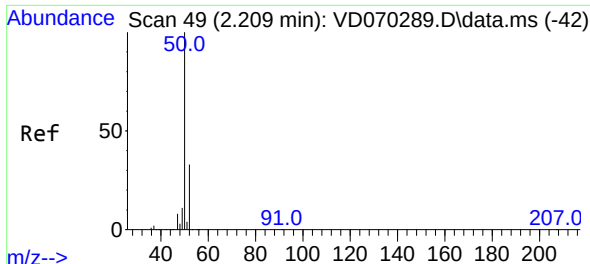
Tgt Ion:168 Resp: 370265
Ion Ratio Lower Upper
168 100
99 62.2 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 85 Resp: 265
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

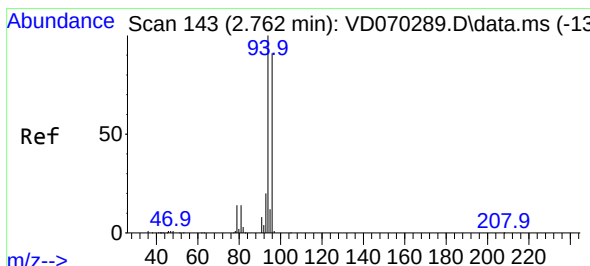
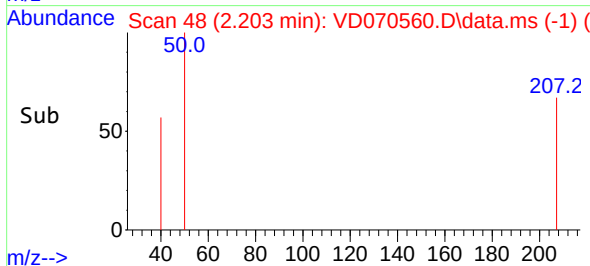
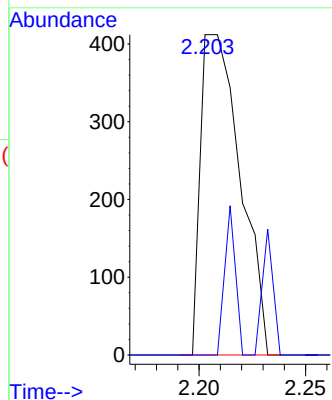
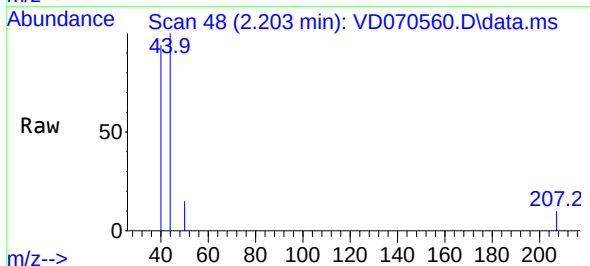




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

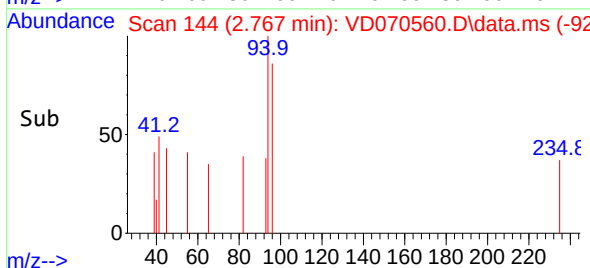
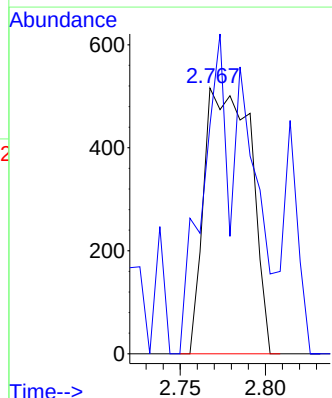
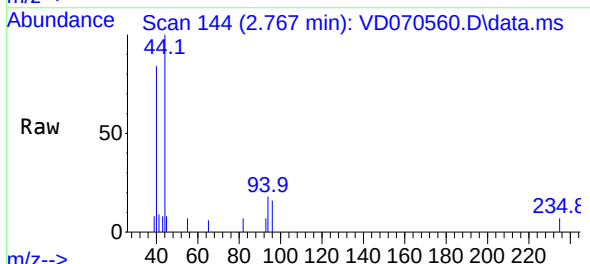
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

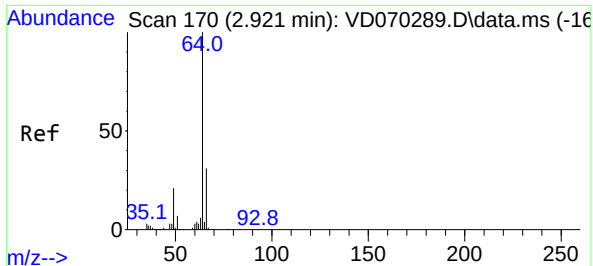
Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 94 Resp: 986
Ion Ratio Lower Upper
94 100
96 86.0 73.0 109.6

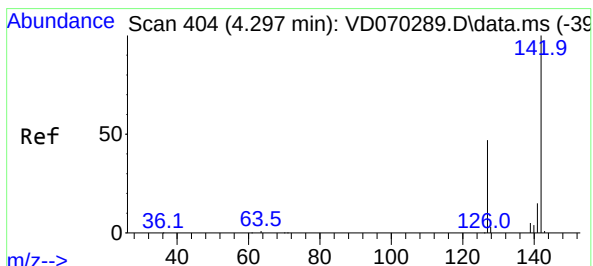
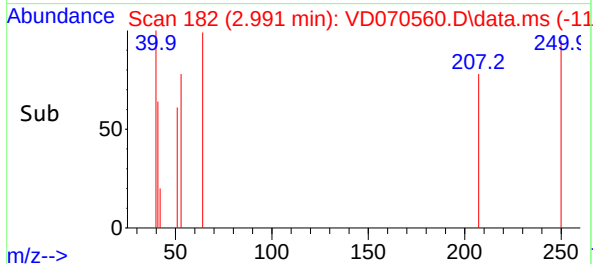
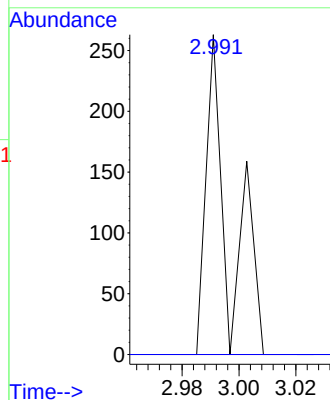
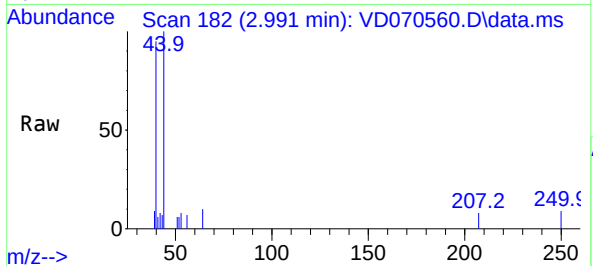




#6
Chloroethane
Concen: Below Cal
RT: 2.991 min Scan# 182
Delta R.T. 0.070 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

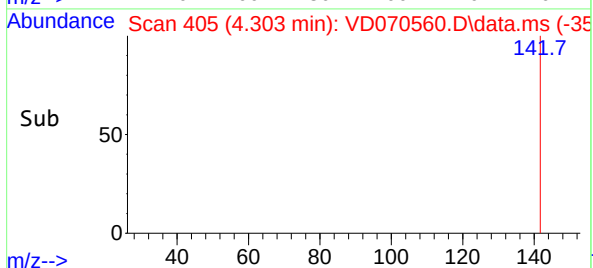
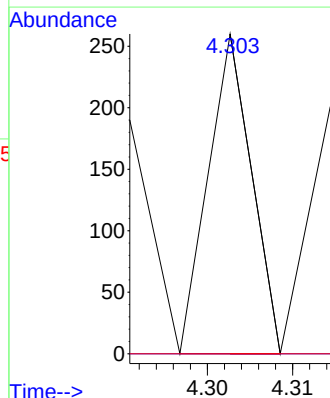
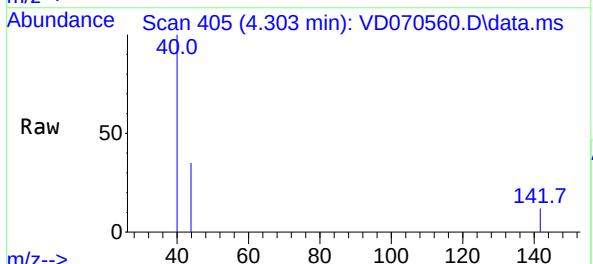
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

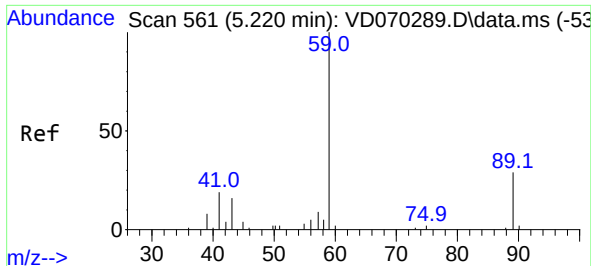
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.049 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

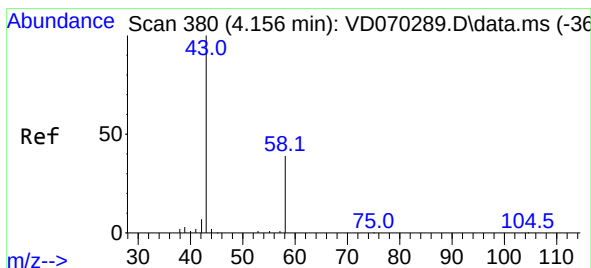
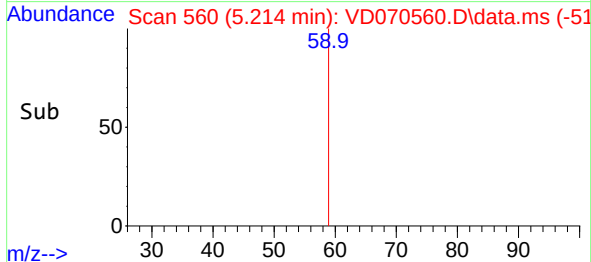
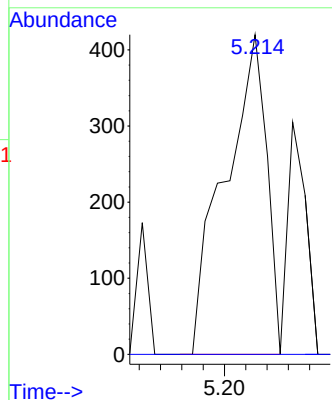
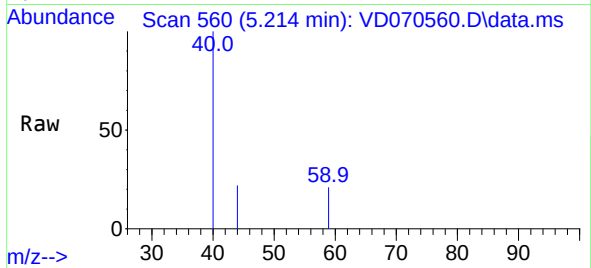




#11
Tert butyl alcohol
Concen: 1.064 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

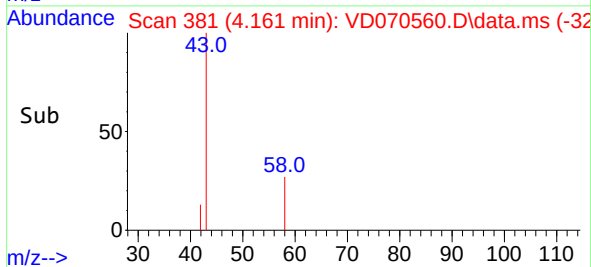
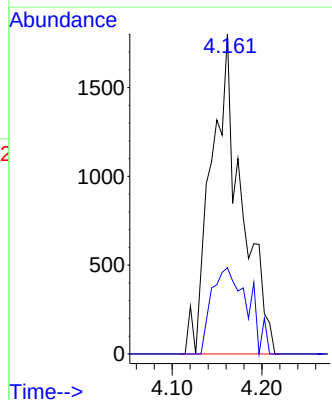
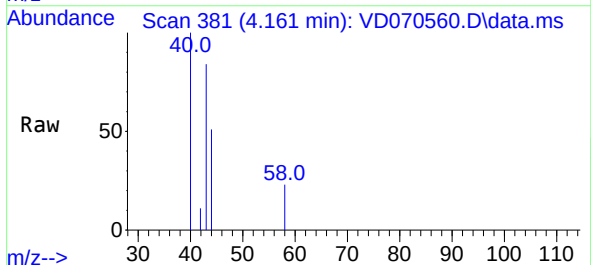
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

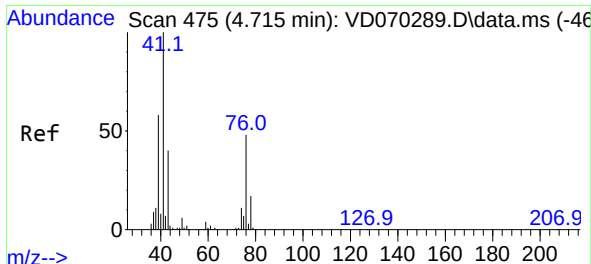
Tgt Ion: 59 Resp: 572
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 5.001 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 43 Resp: 4245
Ion Ratio Lower Upper
43 100
58 27.0 30.9 46.3#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.714 min Scan# 475

Delta R.T. -0.001 min

Lab File: VD070560.D

Acq: 04 Oct 2021 19:31

Instrument :

MSVOA_D

ClientSampleId :

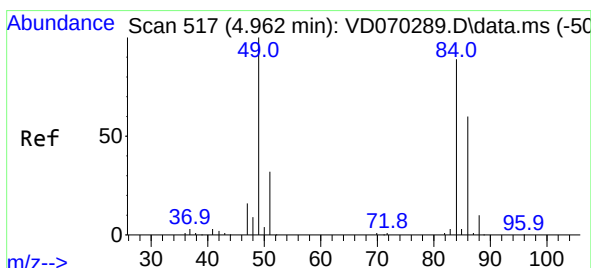
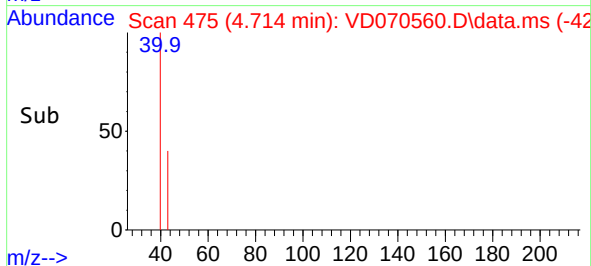
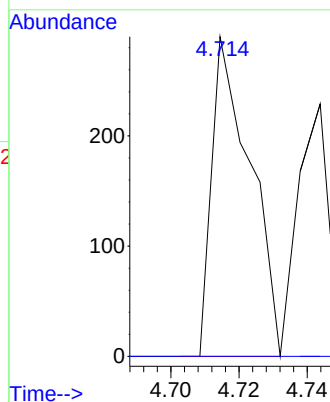
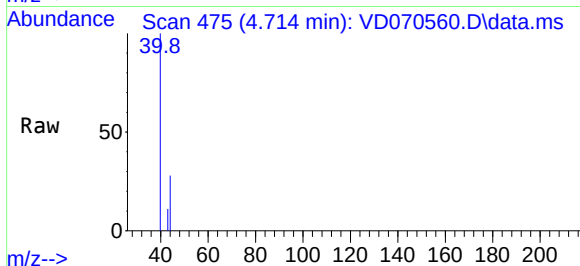
TP-1-(4.5-5.0)

Tgt Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD070560.D

Acq: 04 Oct 2021 19:31

Tgt Ion: 84 Resp: 11240

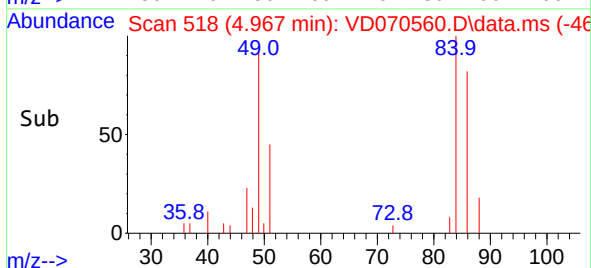
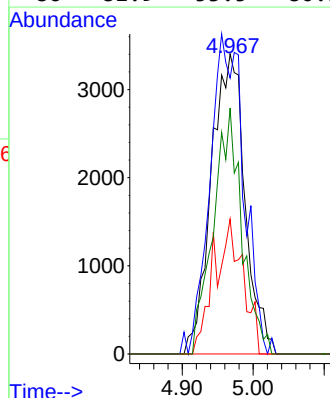
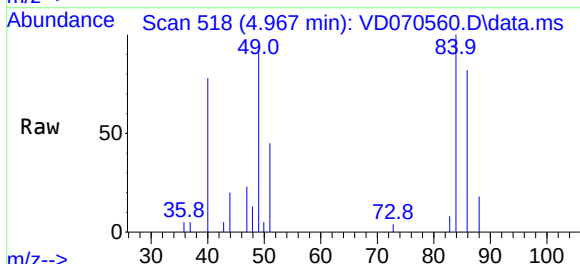
Ion Ratio Lower Upper

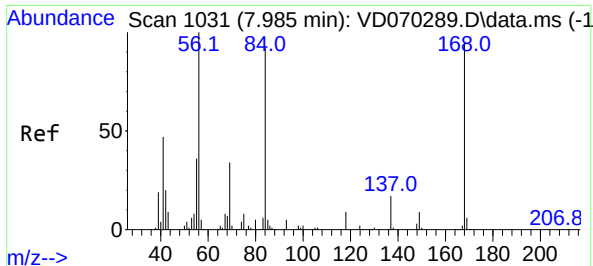
84 100

49 91.9 89.6 134.4

51 45.0 28.6 43.0#

86 81.9 53.5 80.3#

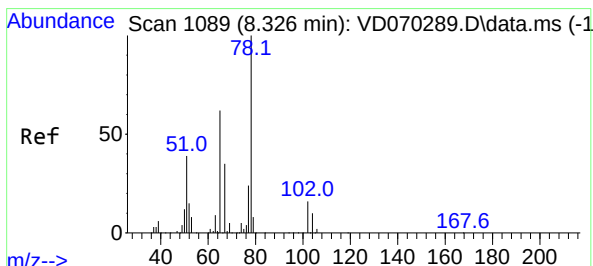
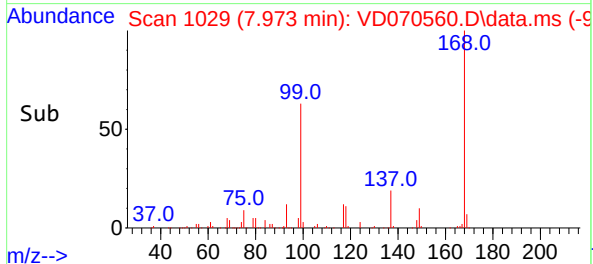
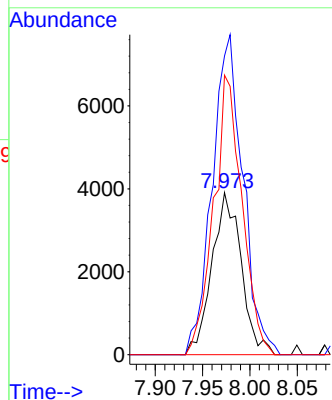
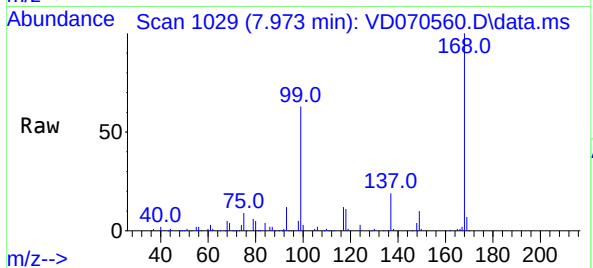




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

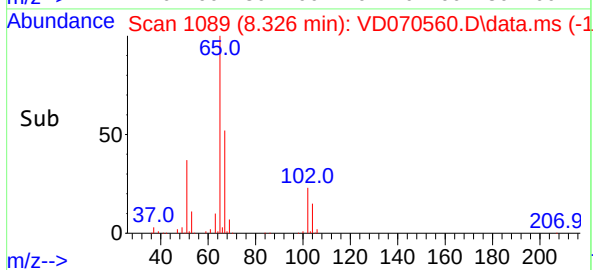
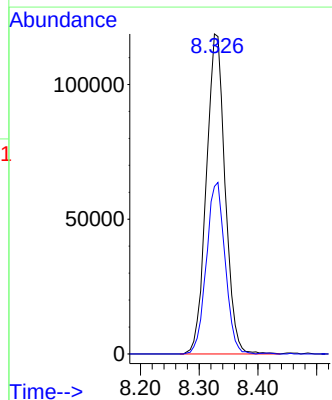
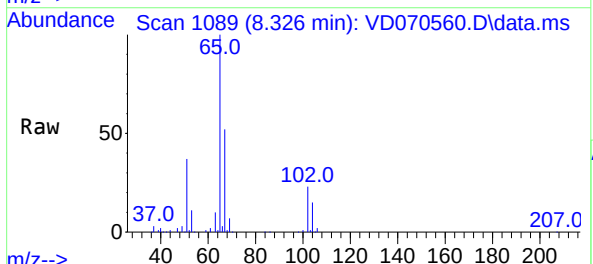
Instrument :
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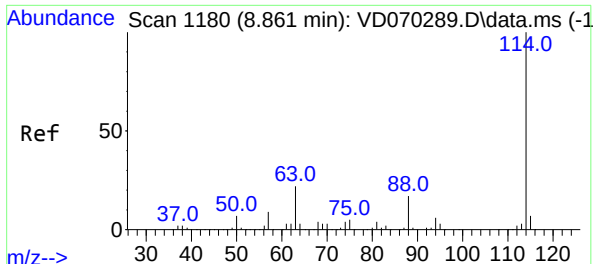
Tgt Ion: 56 Resp: 8409
Ion Ratio Lower Upper
56 100
69 184.4 26.9 40.3#
84 172.6 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 55.559 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 65 Resp: 264143
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.4



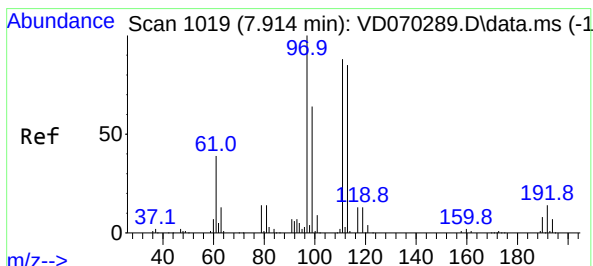
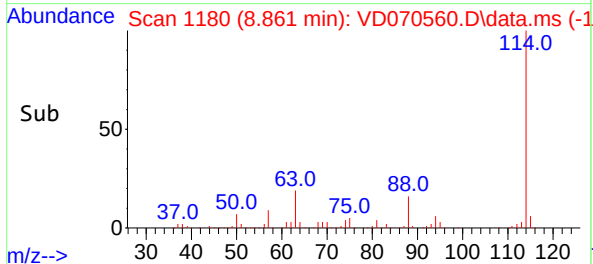
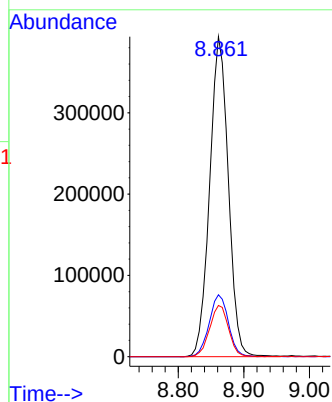
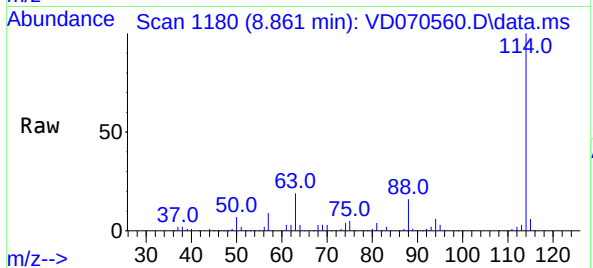


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

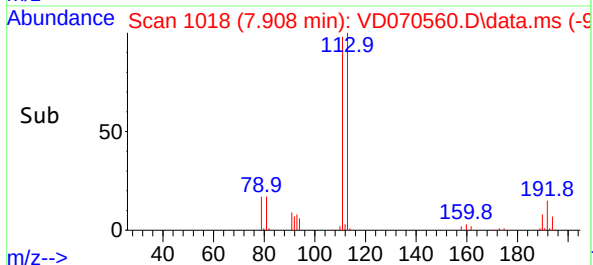
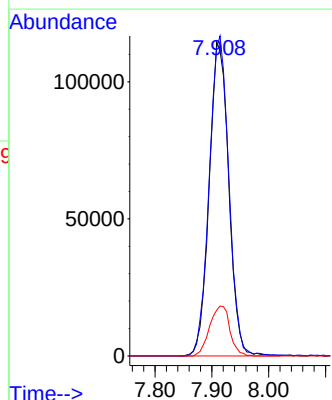
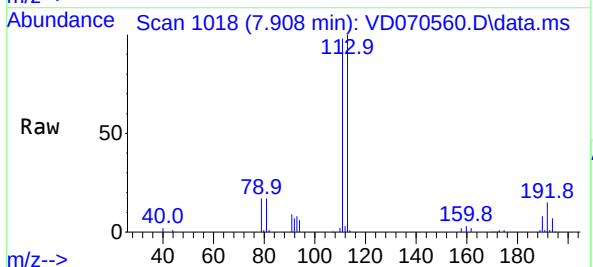
Tgt Ion:114 Resp: 777270
Ion Ratio Lower Upper
114 100
63 19.4 0.0 43.4
88 16.0 0.0 33.4

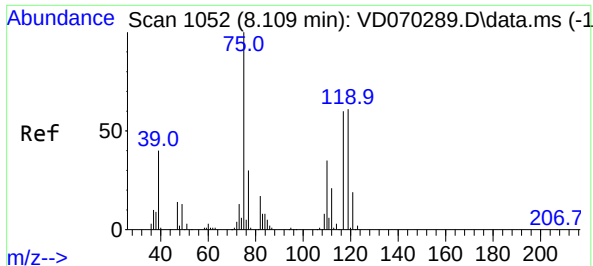


#35

Dibromofluoromethane
Concen: 49.257 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion:113 Resp: 272522
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.2
192 16.5 13.0 19.6

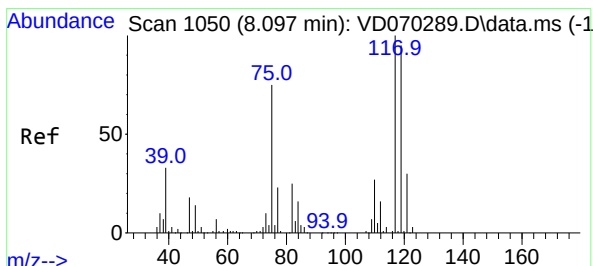
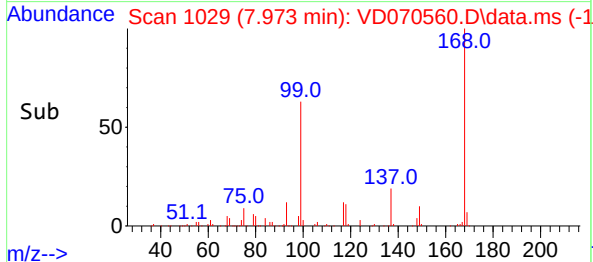
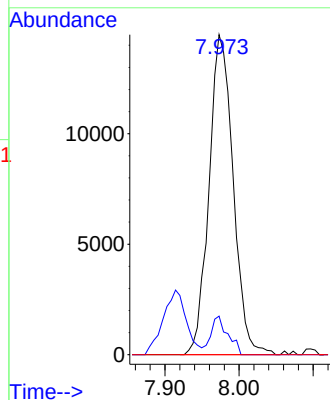
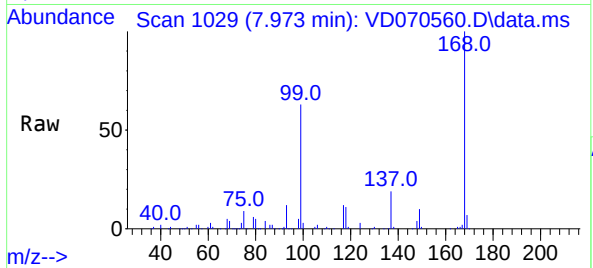




#36
1,1-Dichloropropene
Concen: 3.946 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

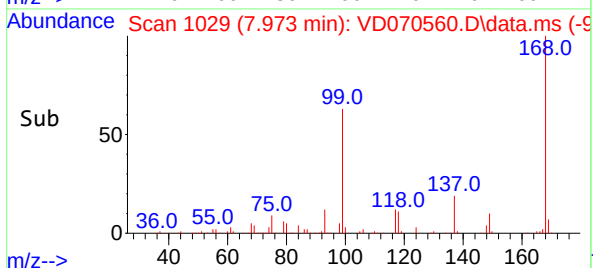
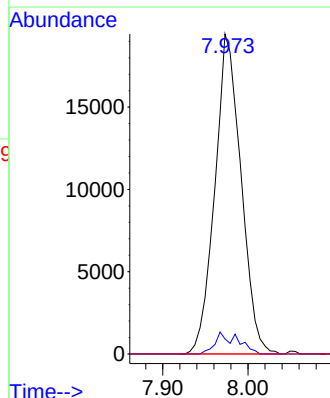
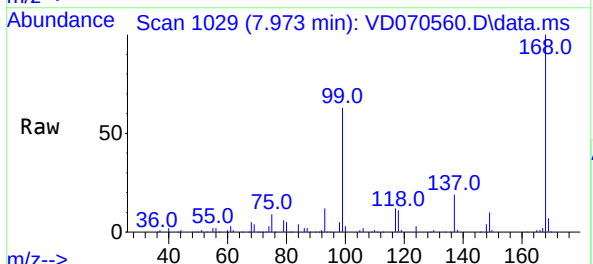
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

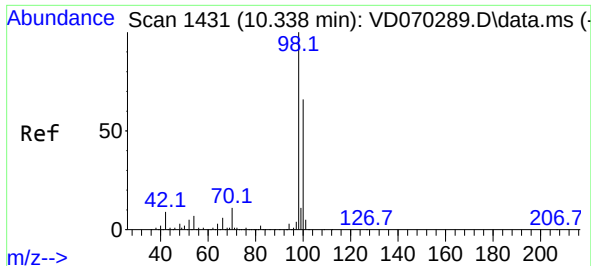
Tgt Ion: 75 Resp: 32785
Ion Ratio Lower Upper
75 100
110 8.4 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.046 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 117 Resp: 41465
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 23.8 35.6#

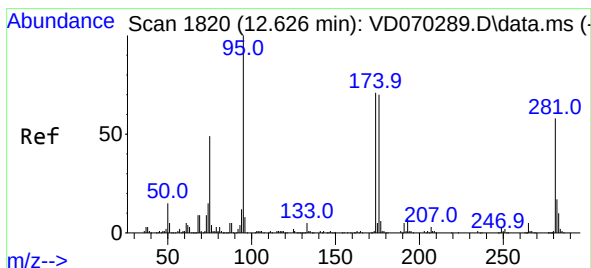
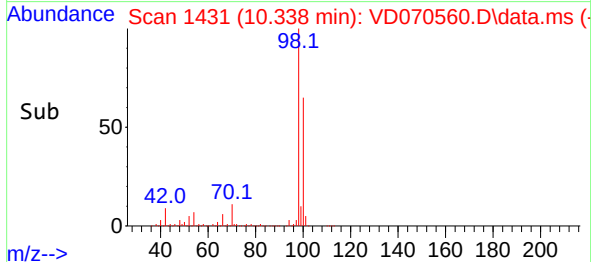
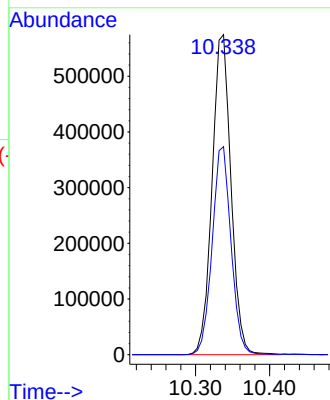
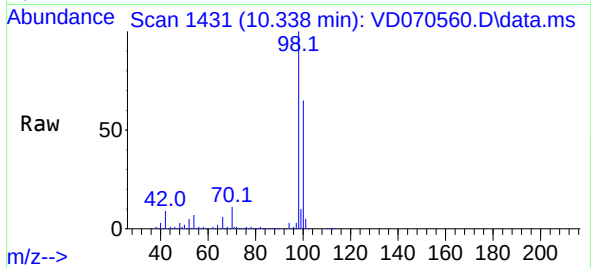




#50
Toluene-d8
Concen: 50.656 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

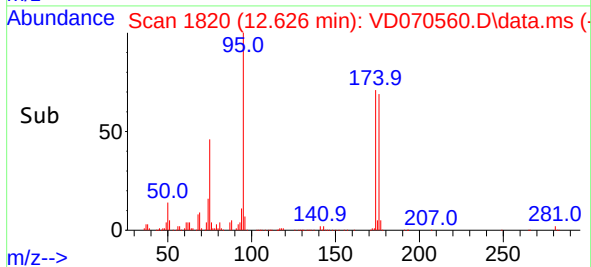
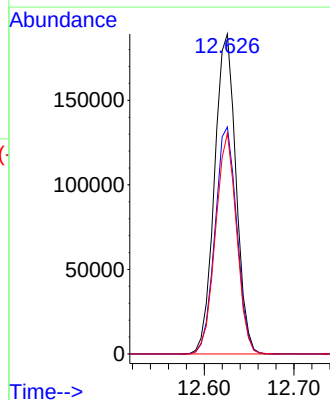
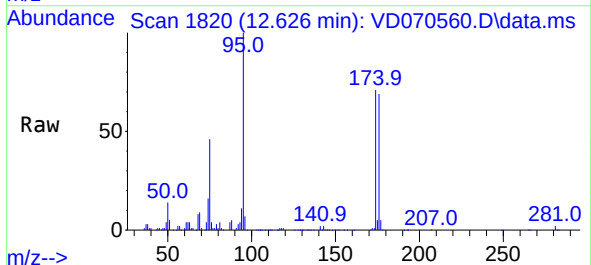
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

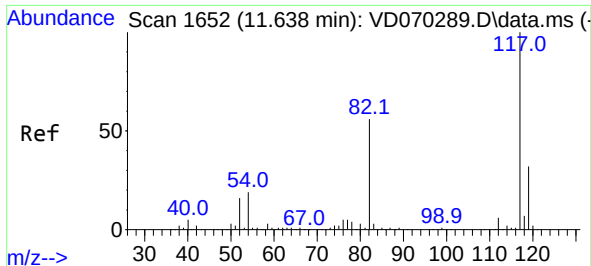
Tgt Ion: 98 Resp: 1017584
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 44.845 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 95 Resp: 314834
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.6
176 67.6 0.0 137.4

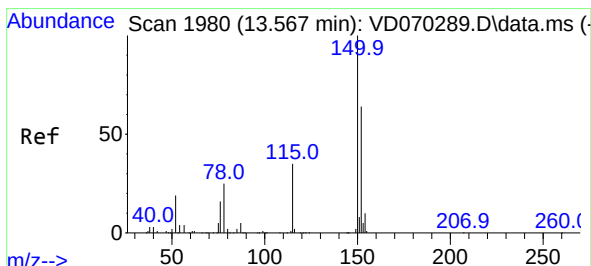
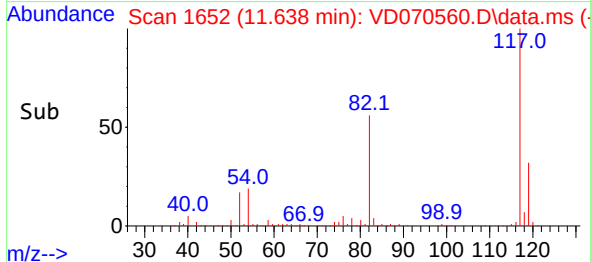
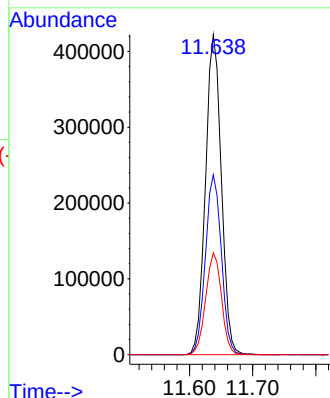
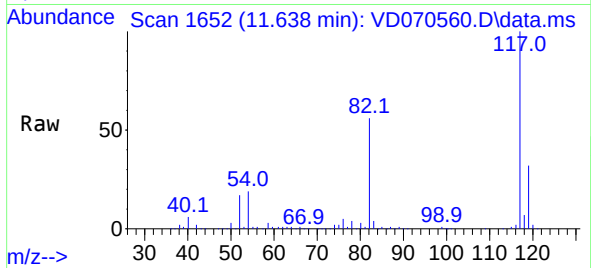




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

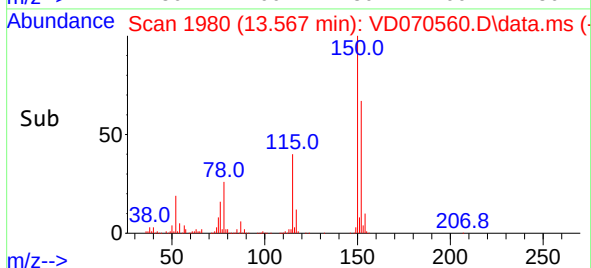
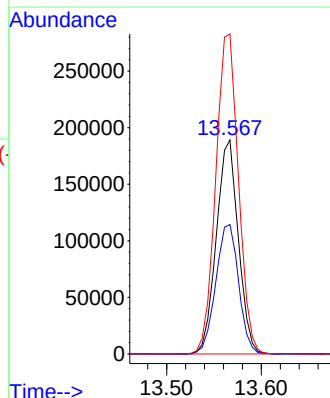
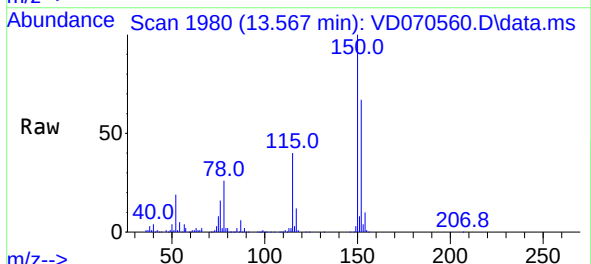
Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

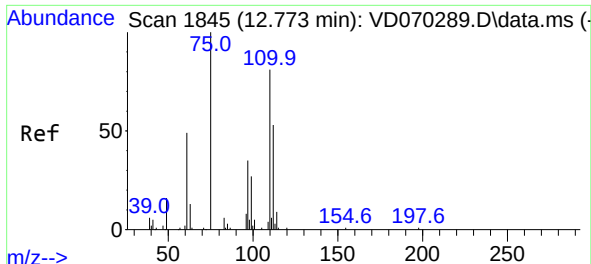
Tgt Ion:117 Resp: 733097
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 31.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion:152 Resp: 305372
Ion Ratio Lower Upper
152 100
115 62.9 32.1 96.3
150 154.3 0.0 350.6

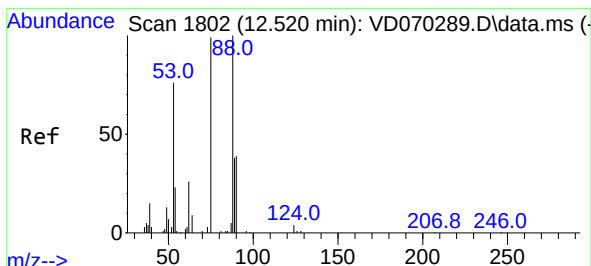
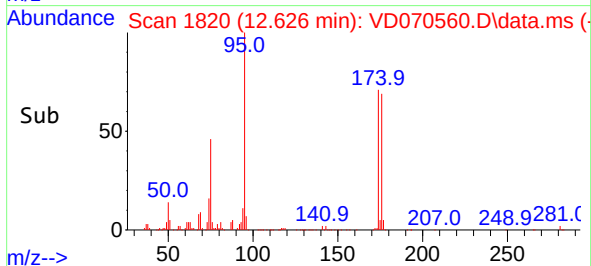
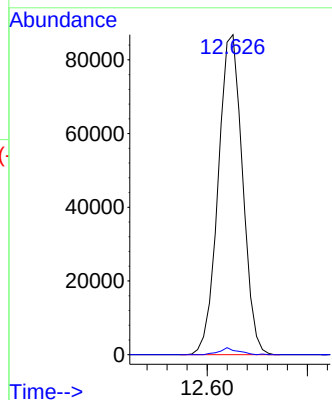
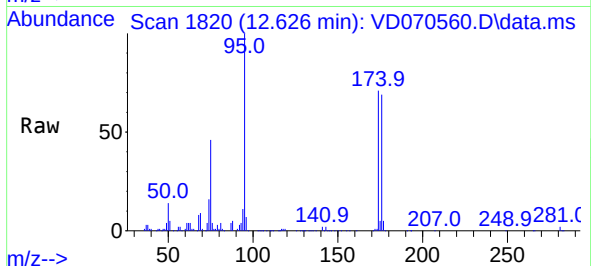




#76
1,2,3-Trichloropropane
Concen: 47.379 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Instrument :
MSVOA_D
ClientSampleId :
TP-1-(4.5-5.0)

Tgt Ion: 75 Resp: 146348
Ion Ratio Lower Upper
75 100
77 1.6 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.712 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070560.D
Acq: 04 Oct 2021 19:31

Tgt Ion: 75 Resp: 146348
Ion Ratio Lower Upper
75 100
53 0.3 64.2 96.2#
89 0.0 35.6 53.4#

