

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070124.D
 Acq On : 18 Aug 2021 13:27
 Operator : VA/SY
 Sample : M3441-01
 Misc : 13.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-4

Quant Time: Aug 19 07:30:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

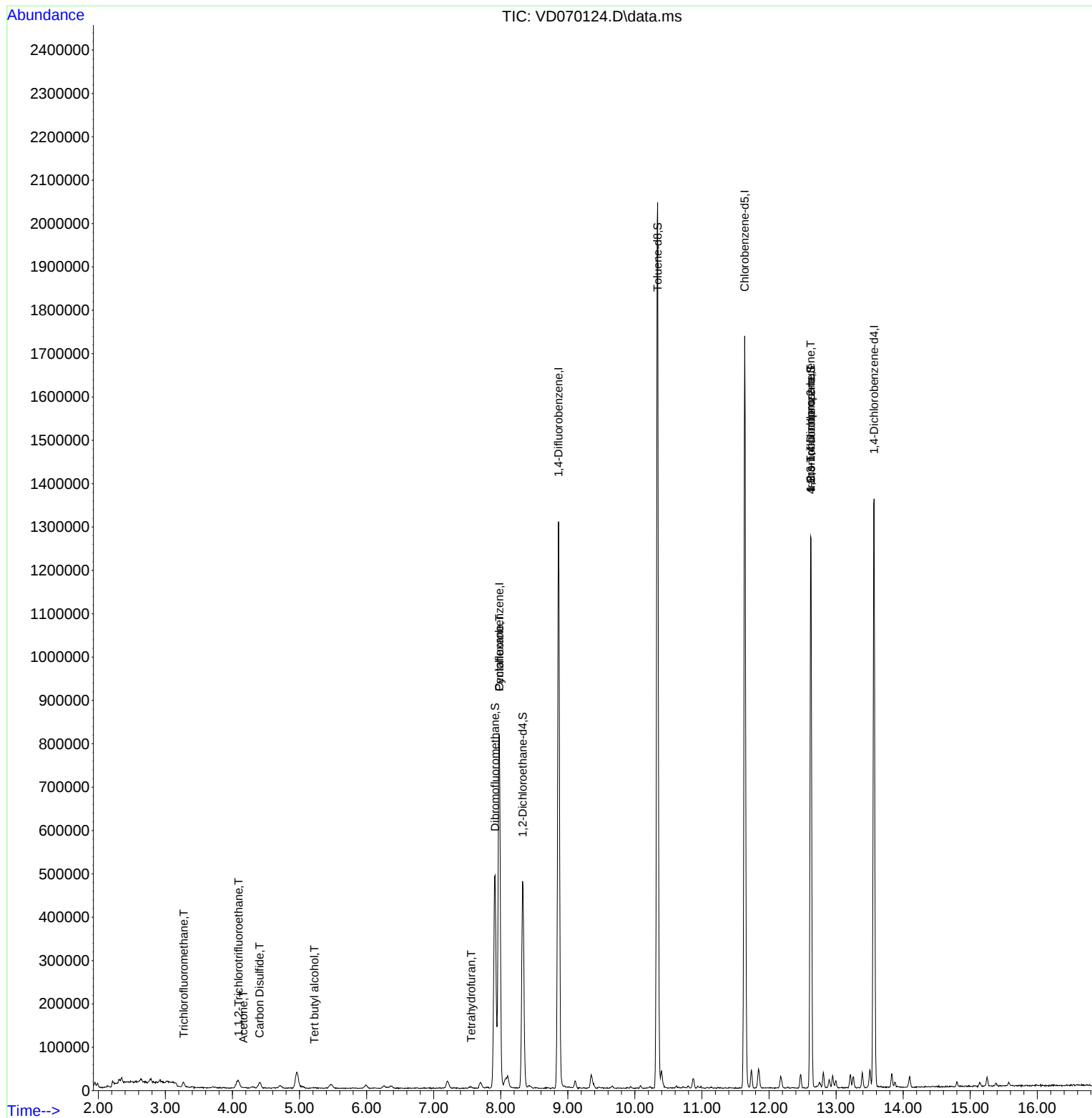
Internal Standards						
1) Pentafluorobenzene	7.979	168	578936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1093532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1008154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	368004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	367566	53.981	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.960%	
35) Dibromofluoromethane	7.914	113	362314	51.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.560%	
50) Toluene-d8	10.338	98	1413650	51.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.900%	
62) 4-Bromofluorobenzene	12.626	95	412917	45.622	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.240%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	7164	Below Cal		99
3) Chloromethane	2.209	50	6930	Below Cal		96
5) Bromomethane	2.774	94	7017	Below Cal		92
7) Trichlorofluoromethane	3.273	101	12214	1.038	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	8831	1.180	ug/l	97
11) Tert butyl alcohol	5.220	59	715	1.900	ug/l #	71
16) Acetone	4.162	43	1691	1.348	ug/l #	87
17) Carbon Disulfide	4.403	76	28441	1.144	ug/l #	94
20) Methylene Chloride	4.956	84	29711	Below Cal		90
29) Tetrahydrofuran	7.562	42	1316	1.173	ug/l #	48
31) Cyclohexane	7.979	56	23990	1.780	ug/l #	29
76) 1,2,3-Trichloropropane	12.620	75	203930	54.643	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	203930	141.832	ug/l #	18

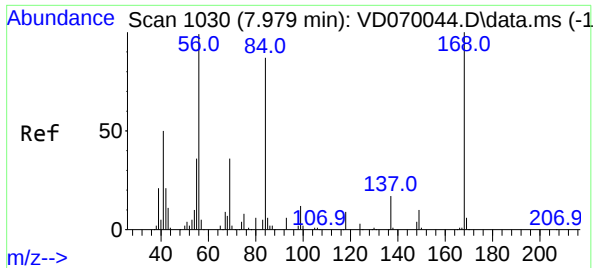
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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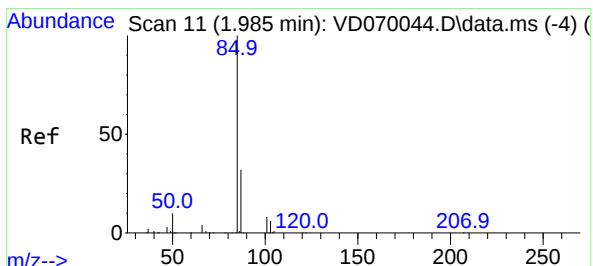
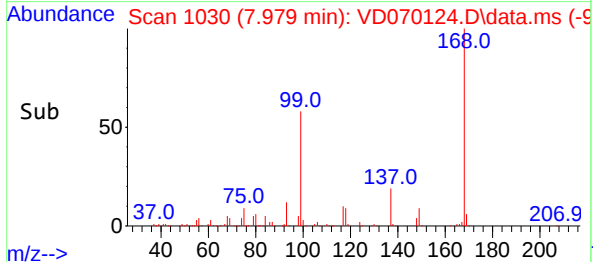
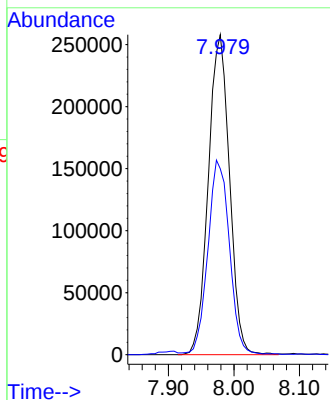
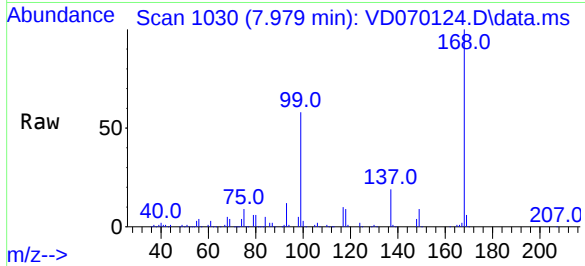




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

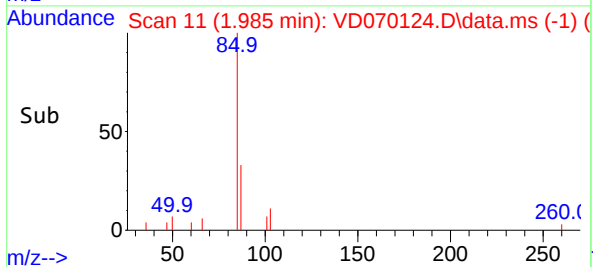
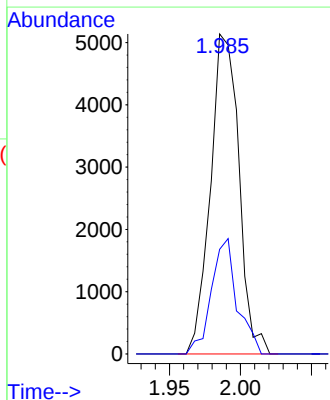
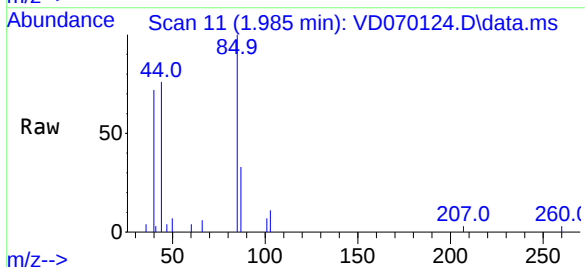
Instrument :
MSVOA_D
ClientSampleId :
WC-4

Tgt Ion:168 Resp: 578936
Ion Ratio Lower Upper
168 100
99 57.8 50.3 75.5

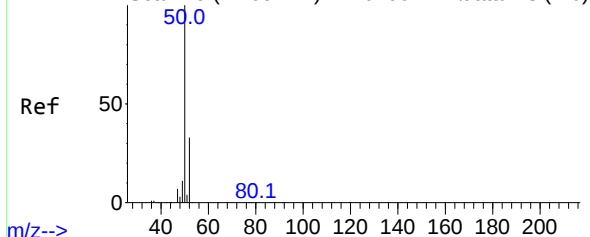


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 85 Resp: 7164
Ion Ratio Lower Upper
85 100
87 32.7 16.2 48.6



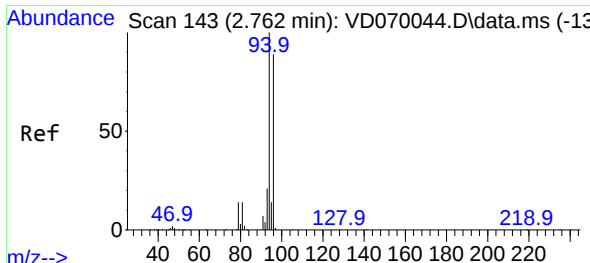
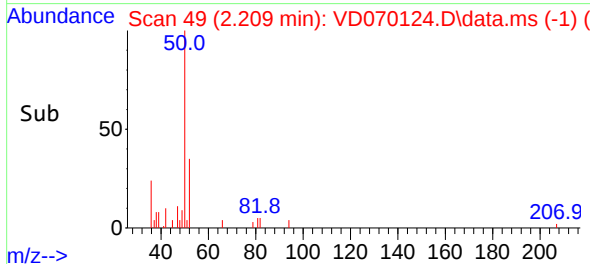
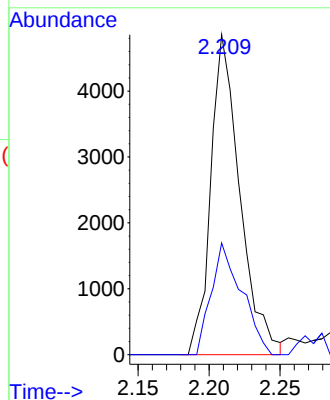
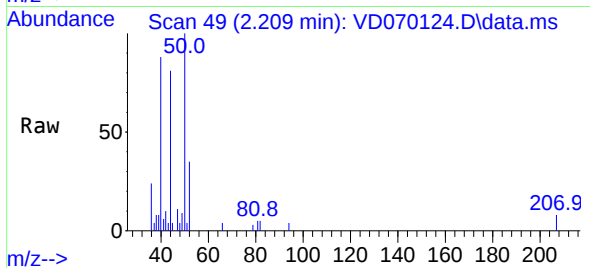
Abundance Scan 49 (2.209 min): VD070044.D\data.ms (-40)



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

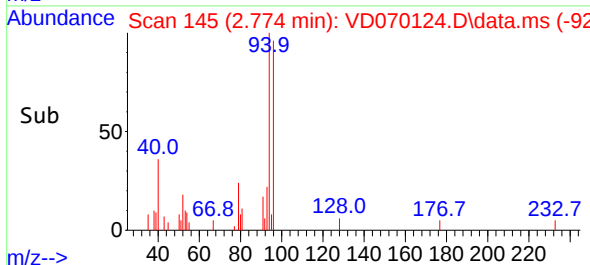
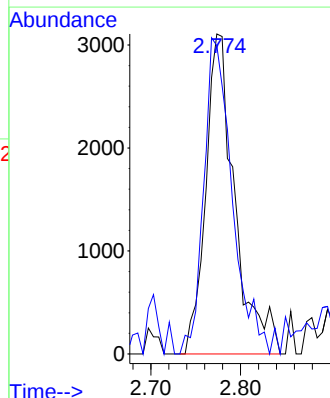
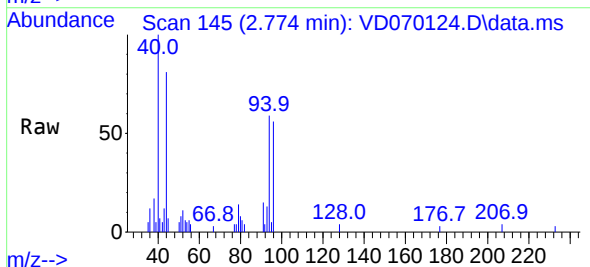
Instrument :
MSVOA_D
ClientSampled :
WC-4

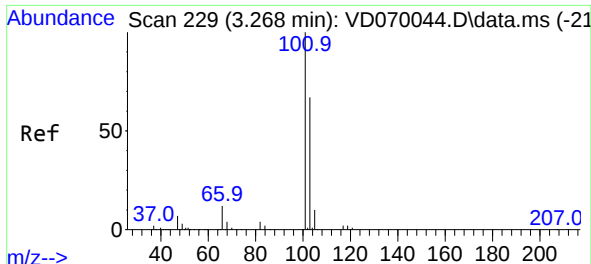
Tgt Ion: 50 Resp: 6930
Ion Ratio Lower Upper
50 100
52 34.9 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 94 Resp: 7017
Ion Ratio Lower Upper
94 100
96 96.3 70.9 106.3

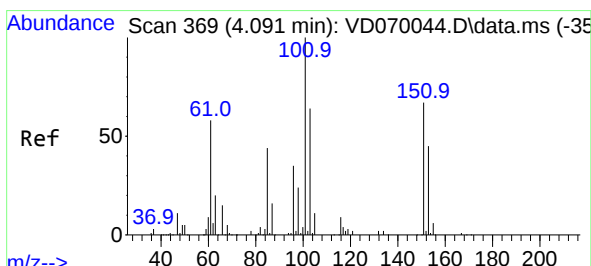
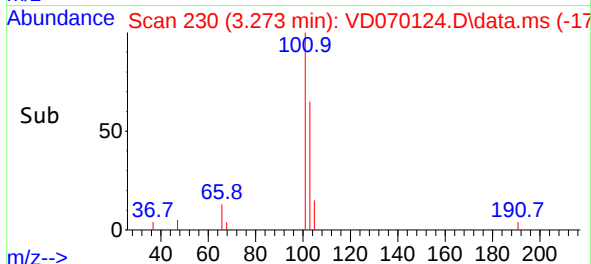
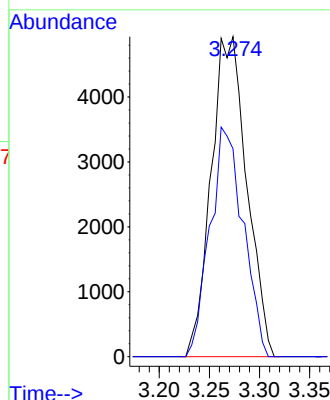
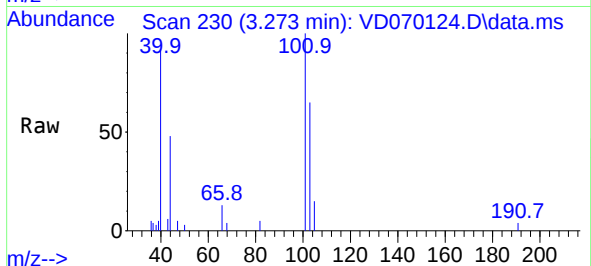




#7
Trichlorofluoromethane
Concen: 1.038 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

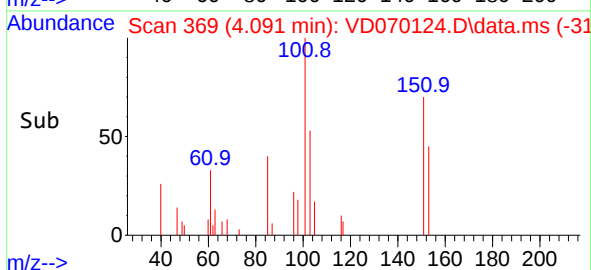
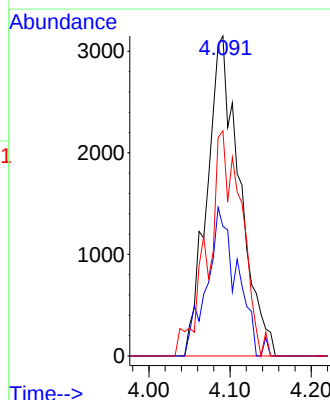
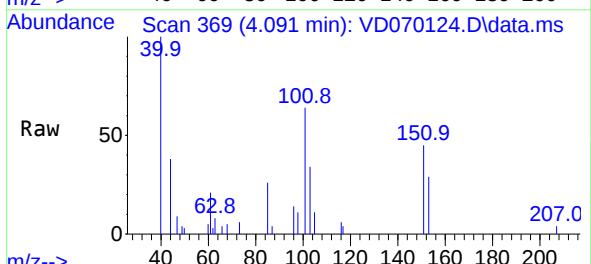
Instrument :
MSVOA_D
ClientSampled :
WC-4

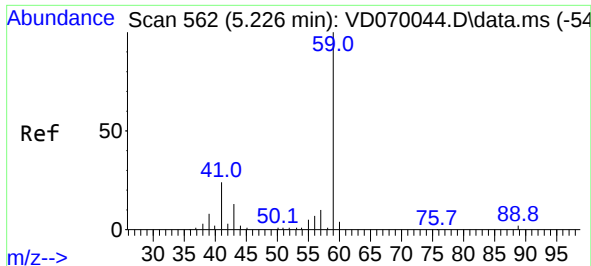
Tgt Ion:101 Resp: 12214
Ion Ratio Lower Upper
101 100
103 64.9 53.9 80.9



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.180 ug/l
RT: 4.091 min Scan# 369
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion:101 Resp: 8831
Ion Ratio Lower Upper
101 100
85 42.1 34.6 52.0
151 72.1 55.0 82.6

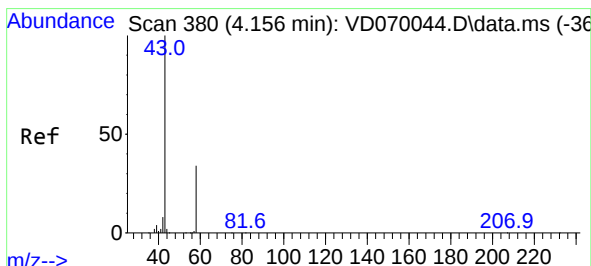
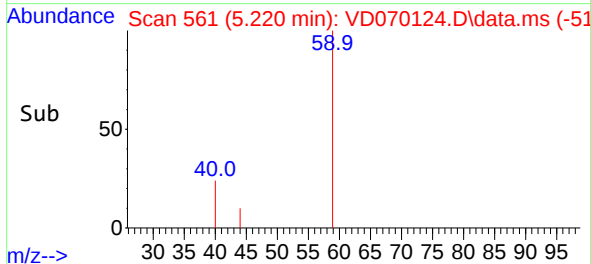
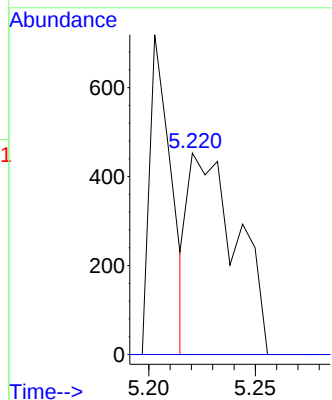
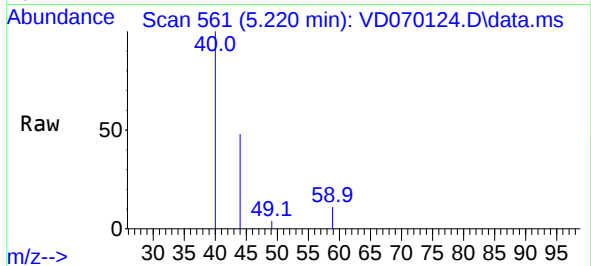




#11
Tert butyl alcohol
Concen: 1.900 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

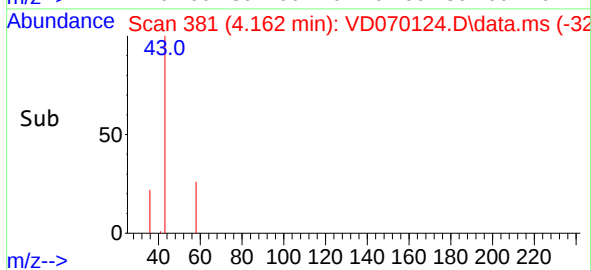
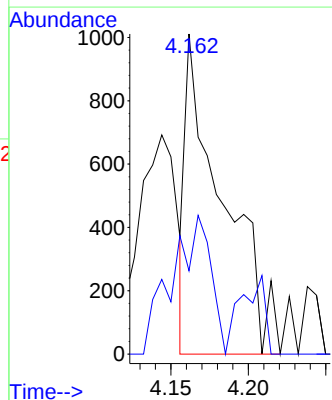
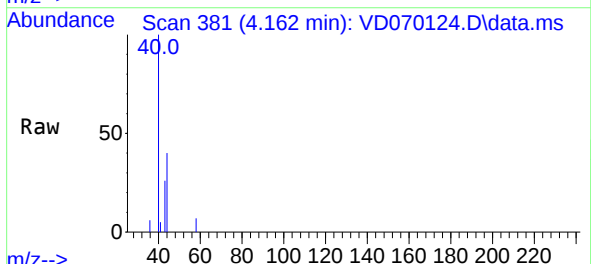
Instrument :
MSVOA_D
ClientSampleId :
WC-4

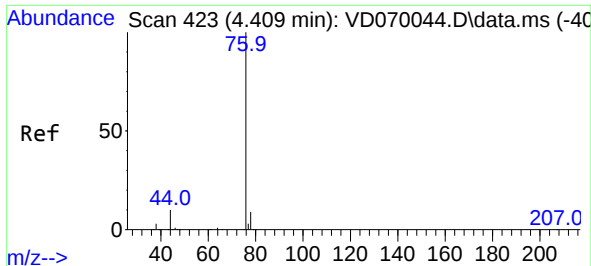
Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 1.348 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 26.0 26.8 40.2#

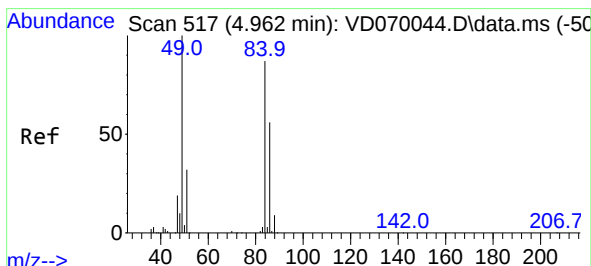
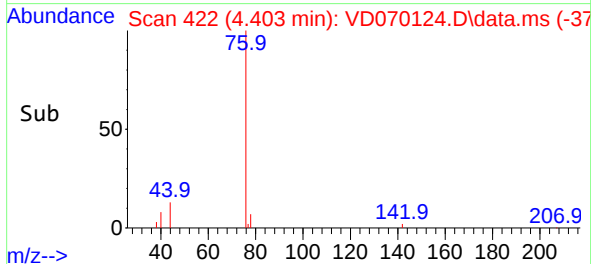
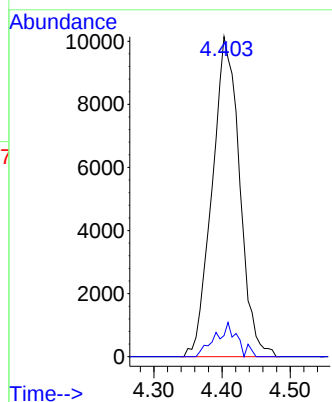
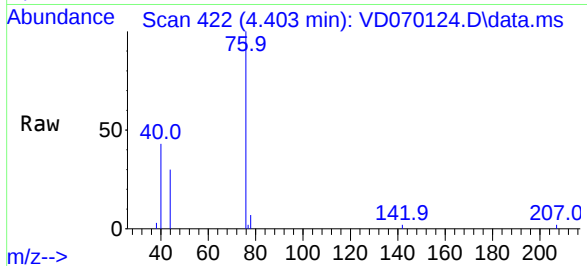




#17
Carbon Disulfide
Concen: 1.144 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

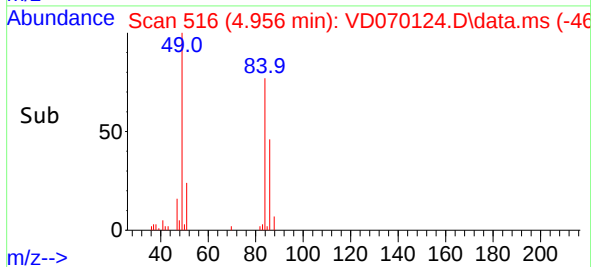
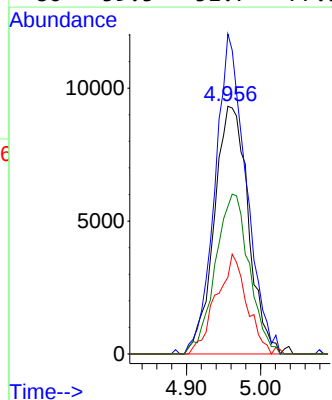
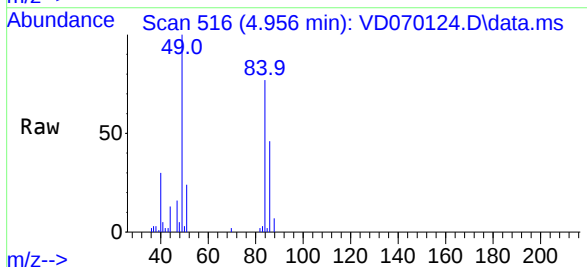
Instrument :
MSVOA_D
ClientSampleId :
WC-4

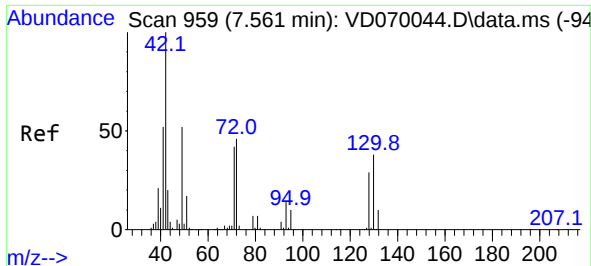
Tgt Ion: 76 Resp: 28441
Ion Ratio Lower Upper
76 100
78 6.6 7.1 10.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 84 Resp: 29711
Ion Ratio Lower Upper
84 100
49 129.2 92.5 138.7
51 31.0 29.7 44.5
86 59.5 51.7 77.5





#29

Tetrahydrofuran

Concen: 1.173 ug/l

RT: 7.562 min Scan# 959

Delta R.T. 0.000 min

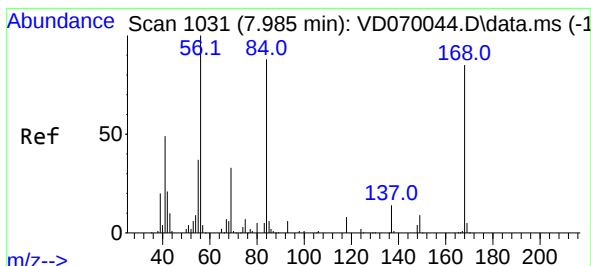
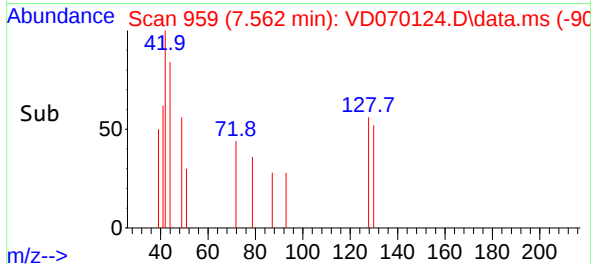
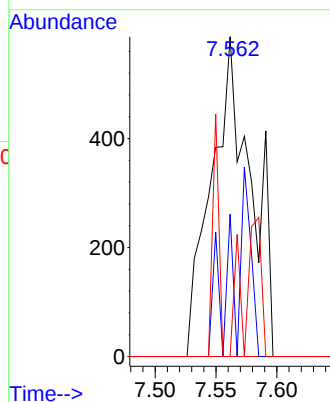
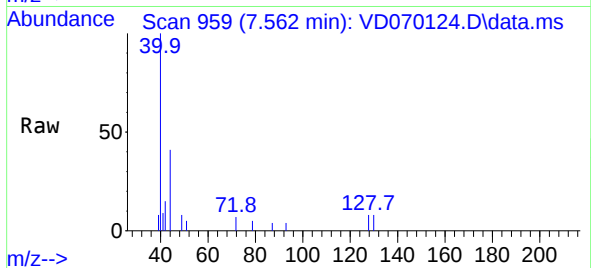
Lab File: VD070124.D

Acq: 18 Aug 2021 13:27

Instrument :
MSVOA_D
ClientSampled :
WC-4

Tgt Ion: 42 Resp: 1316

Ion	Ratio	Lower	Upper
42	100		
72	21.4	37.5	56.3#
71	0.0	33.6	50.4#



#31

Cyclohexane

Concen: 1.780 ug/l

RT: 7.979 min Scan# 1030

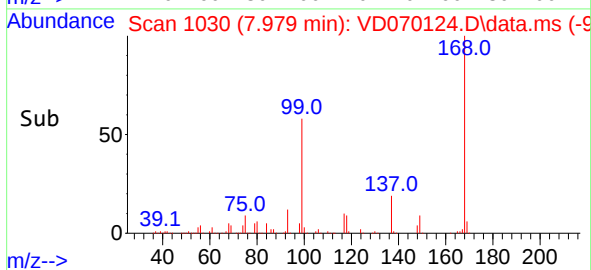
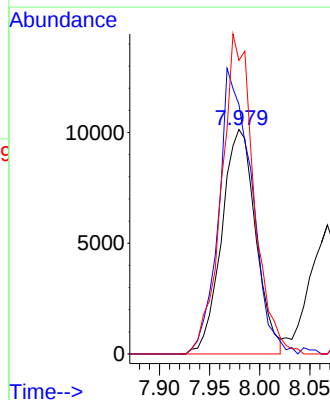
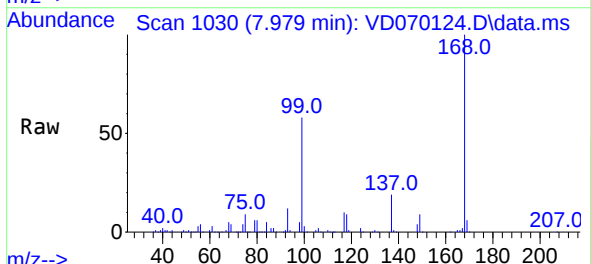
Delta R.T. -0.006 min

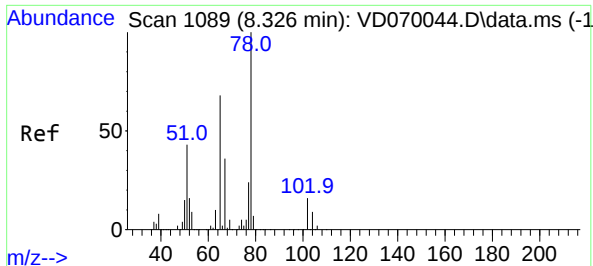
Lab File: VD070124.D

Acq: 18 Aug 2021 13:27

Tgt Ion: 56 Resp: 23990

Ion	Ratio	Lower	Upper
56	100		
69	111.2	26.7	40.1#
84	130.8	70.4	105.6#

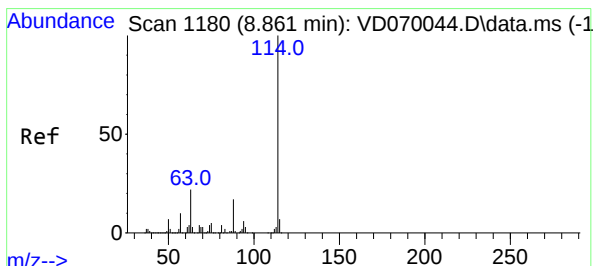
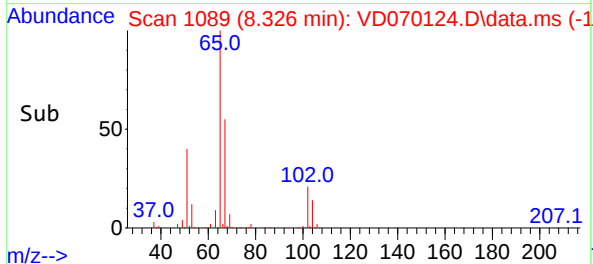
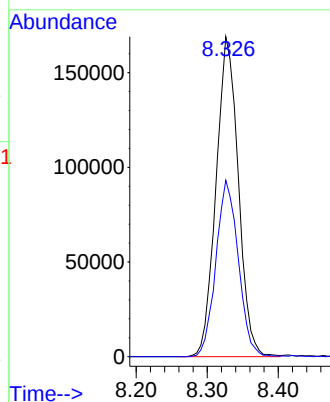
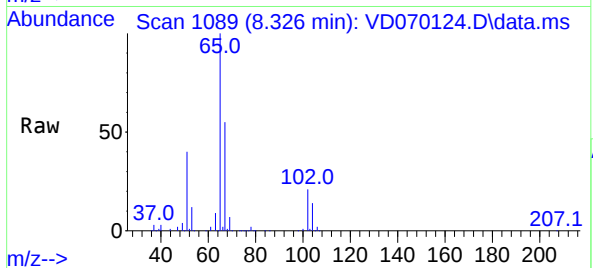




#33
1,2-Dichloroethane-d4
Concen: 53.981 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

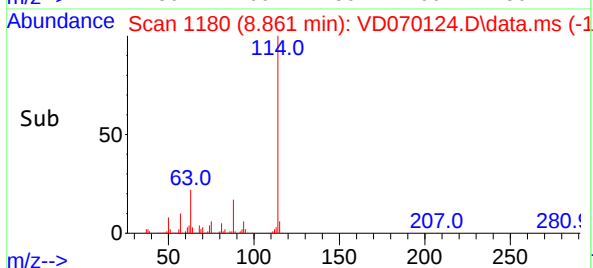
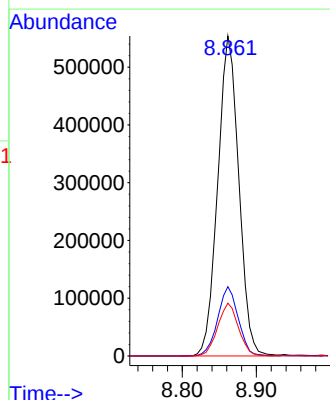
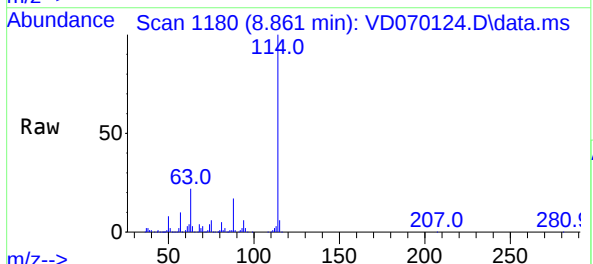
Instrument :
MSVOA_D
ClientSampleId :
WC-4

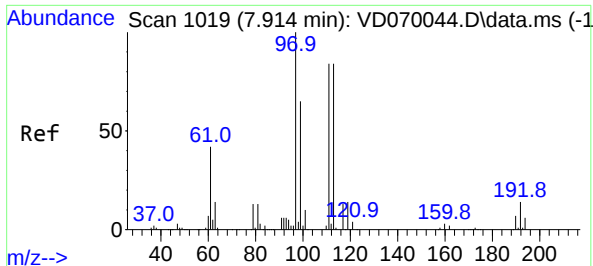
Tgt Ion: 65 Resp: 367566
Ion Ratio Lower Upper
65 100
67 55.4 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 114 Resp: 1093532
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.6
88 16.5 0.0 33.4

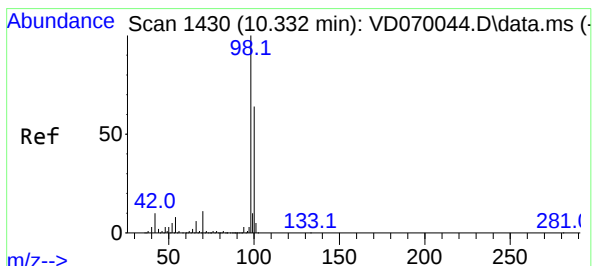
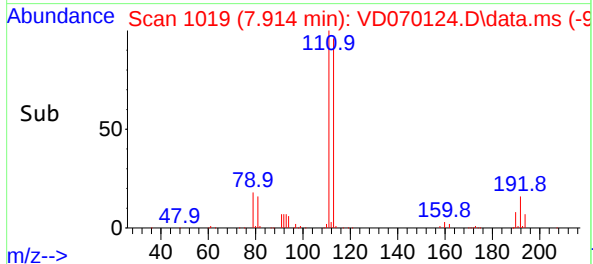
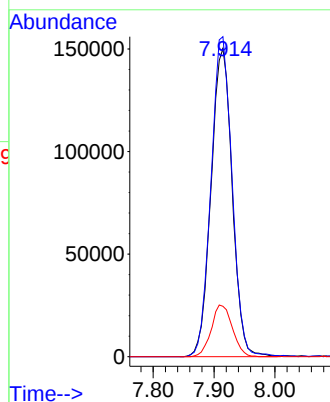
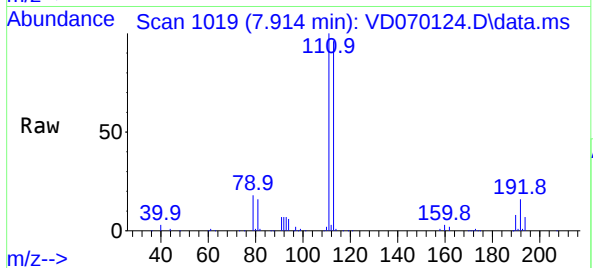




#35
Dibromofluoromethane
Concen: 51.283 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

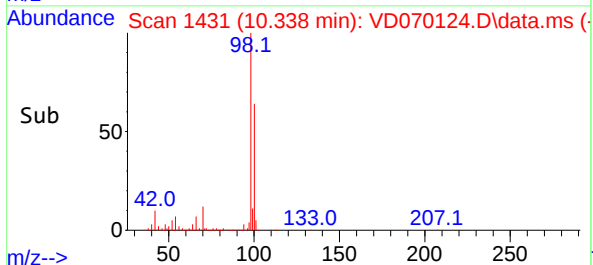
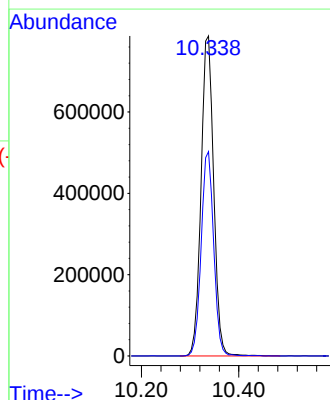
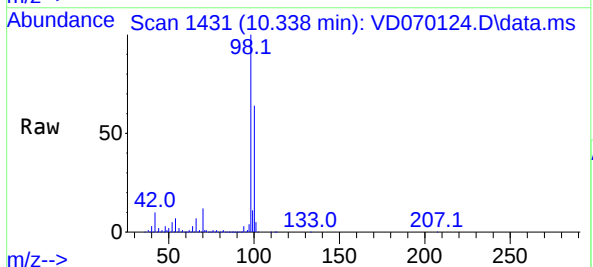
Instrument :
MSVOA_D
ClientSampled :
WC-4

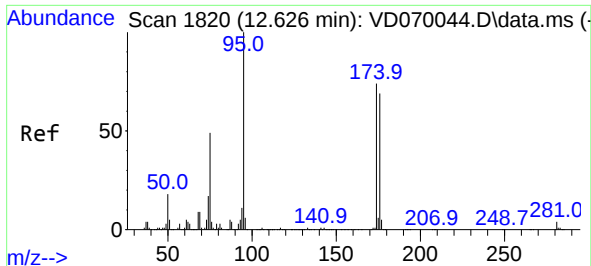
Tgt Ion:113 Resp: 362314
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 16.7 13.2 19.8



#50
Toluene-d8
Concen: 51.445 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 98 Resp: 1413650
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8

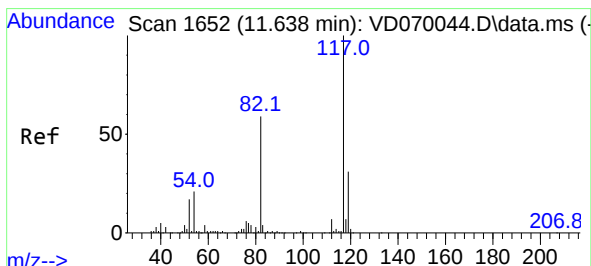
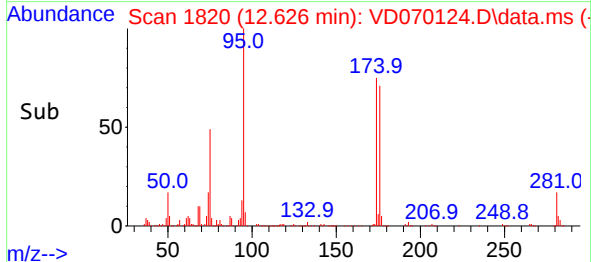
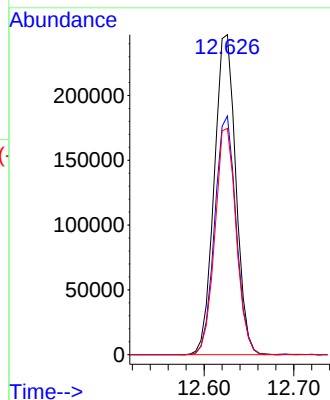
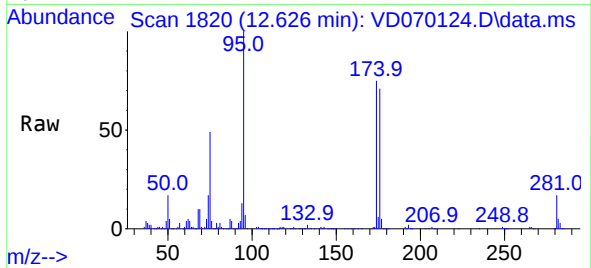




#62
4-Bromofluorobenzene
Concen: 45.622 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

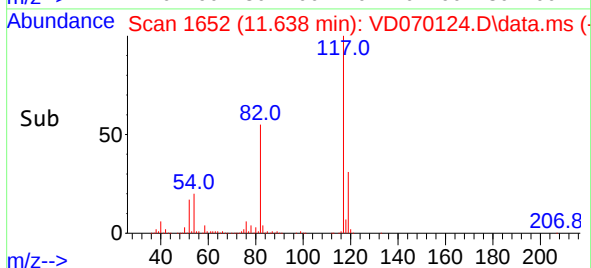
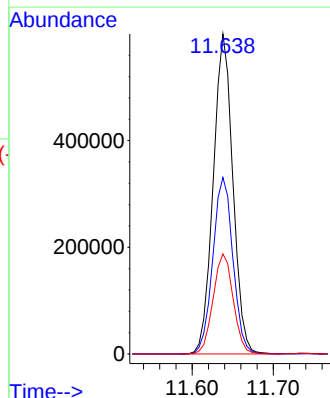
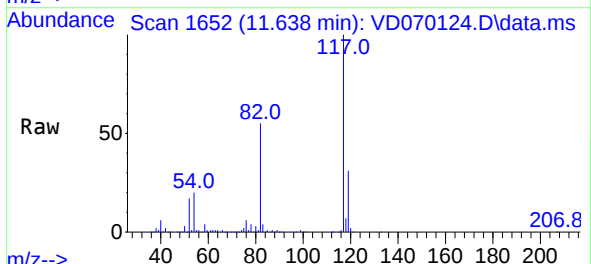
Instrument :
MSVOA_D
ClientSampled :
WC-4

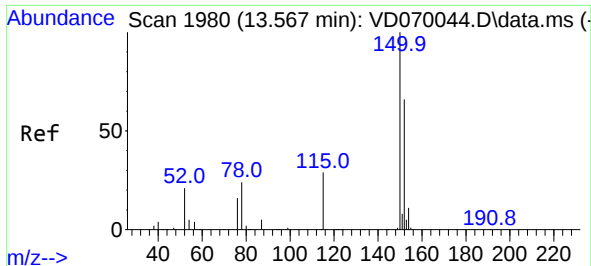
Tgt Ion: 95 Resp: 412917
Ion Ratio Lower Upper
95 100
174 74.1 0.0 141.6
176 69.7 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Tgt Ion: 117 Resp: 1008154
Ion Ratio Lower Upper
117 100
82 55.2 47.5 71.3
119 31.2 25.1 37.7

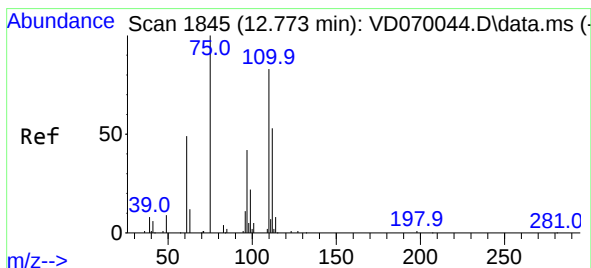
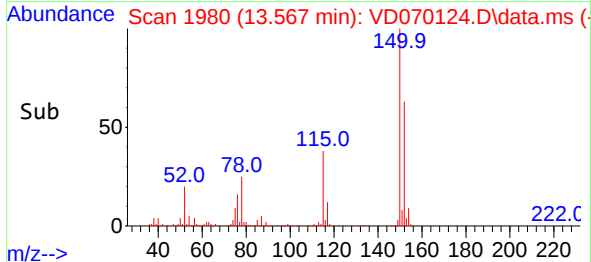
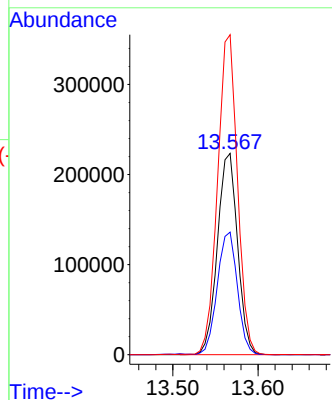
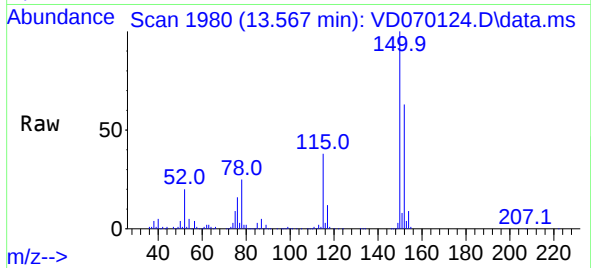




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

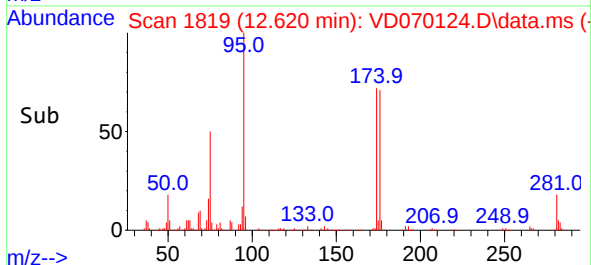
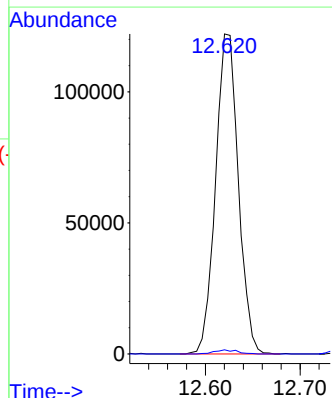
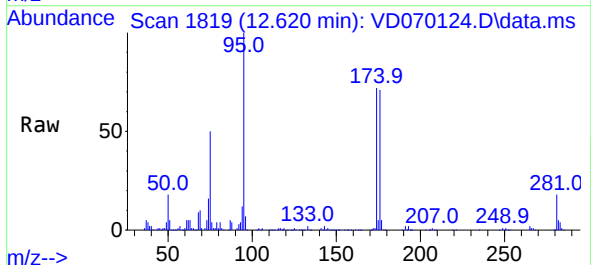
Instrument :
MSVOA_D
ClientSampleId :
WC-4

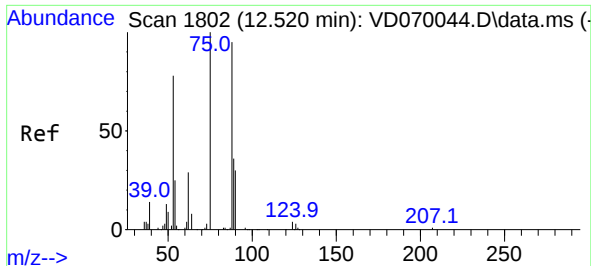
Tgt Ion:152 Resp: 368004
Ion Ratio Lower Upper
152 100
115 60.8 31.2 93.6
150 156.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 54.643 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

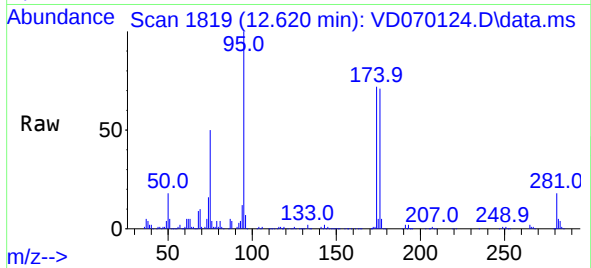
Tgt Ion: 75 Resp: 203930
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 141.832 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070124.D
Acq: 18 Aug 2021 13:27

Instrument :
MSVOA_D
ClientSampleId :
WC-4



Tgt Ion: 75 Resp: 203930
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 33.7 50.5#

