

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076830.D
 Acq On : 27 Jul 2023 13:19
 Operator : KP/SY
 Sample : 03769-12
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 14:48:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

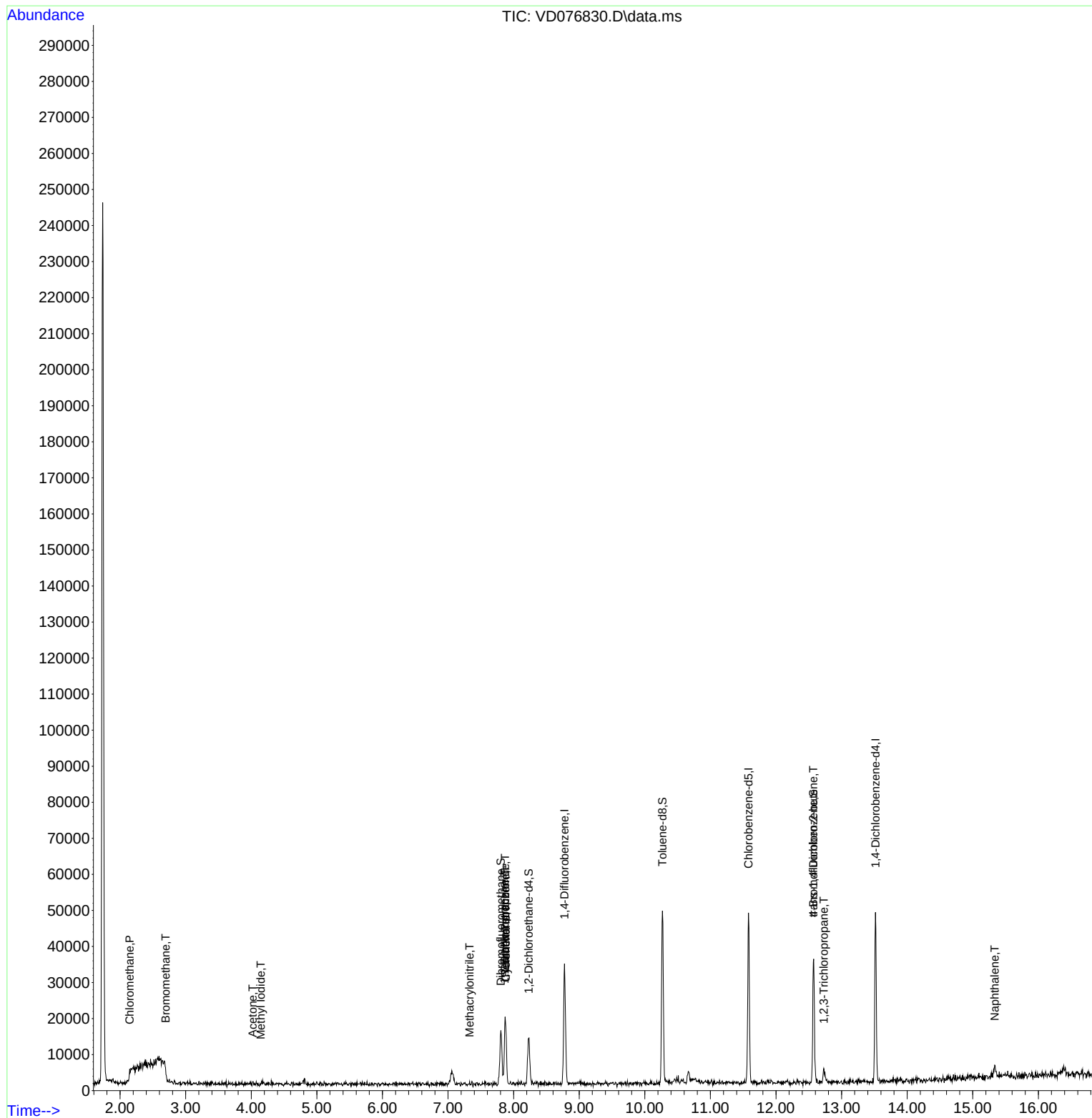
Internal Standards						
1) Pentafluorobenzene	7.875	168	13910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	30136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	28829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	12316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	10811	78.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.060%	
35) Dibromofluoromethane	7.805	113	10878	57.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.880%	
50) Toluene-d8	10.269	98	36551	53.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.569	95	11710	53.431	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.860%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	562	2.995	ug/l #	86
5) Bromomethane	2.693	94	1050	5.102	ug/l	95
10) Methyl Iodide	4.146	142	221	1.340	ug/l #	46
16) Acetone	4.022	43	164	4.956	ug/l #	32
20) Methylene Chloride	4.811	84	519	Below Cal	#	89
31) Cyclohexane	7.881	56	230	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.863	75	1617	6.534	ug/l #	39
38) Carbon Tetrachloride	7.869	117	1510	6.373	ug/l #	11
41) Methacrylonitrile	7.328	41	117	1.731	ug/l #	13
76) 1,2,3-Trichloropropane	12.728	75	404	3.449	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	6669	121.183	ug/l #	17
95) Naphthalene	15.334	128	4690	9.491	ug/l	98

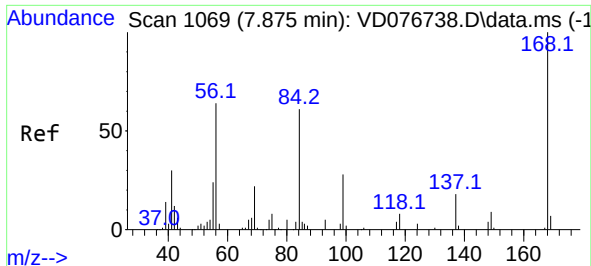
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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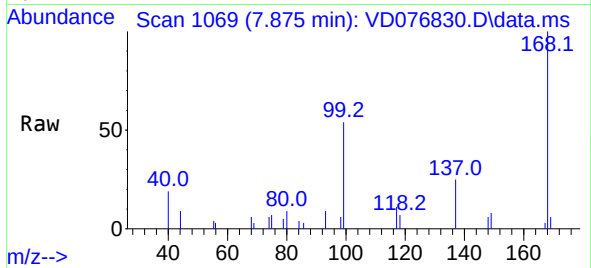
Quant Time: Jul 27 14:48:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
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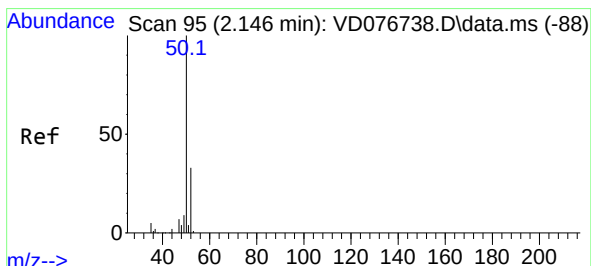
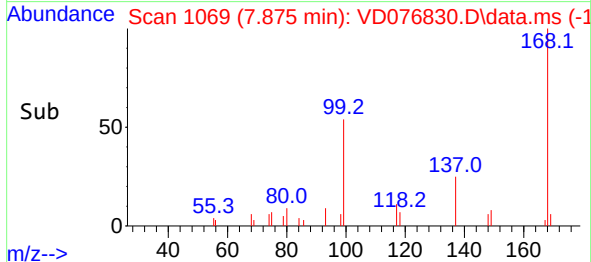
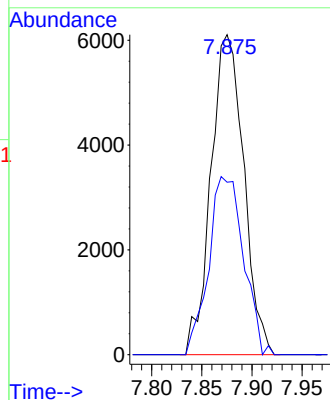


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

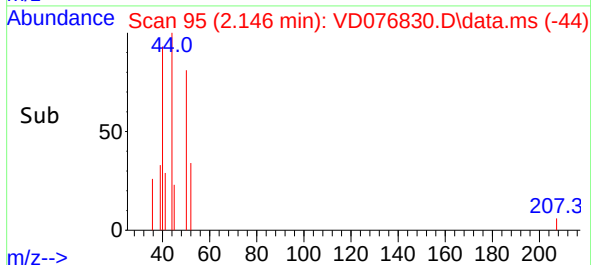
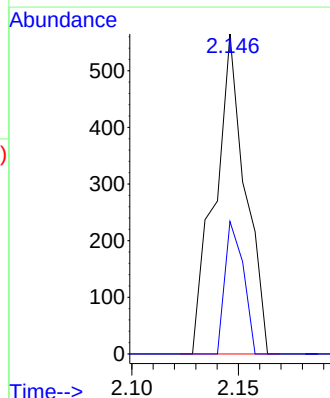
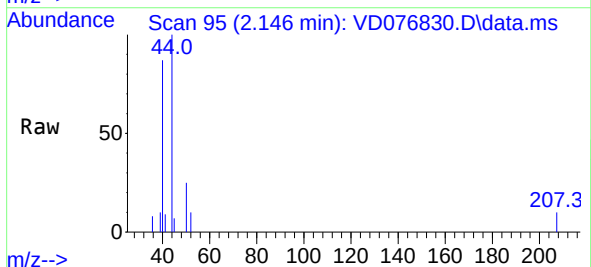


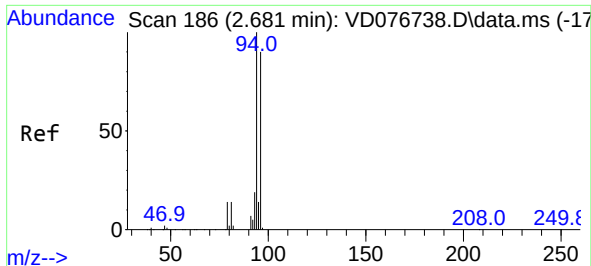
Tgt Ion:168 Resp: 13910
Ion Ratio Lower Upper
168 100
99 53.9 36.7 55.1



#3
Chloromethane
Concen: 2.995 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Tgt Ion: 50 Resp: 562
Ion Ratio Lower Upper
50 100
52 41.4 26.6 40.0#

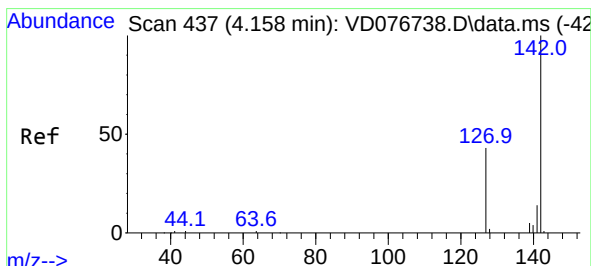
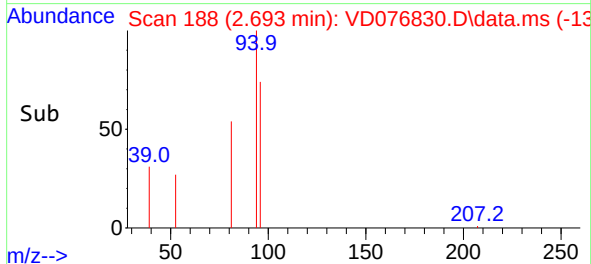
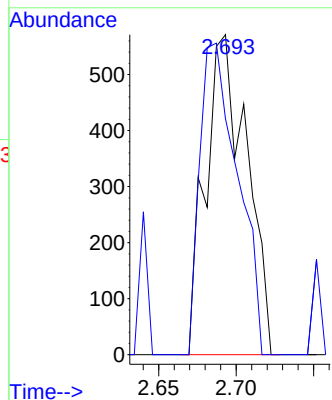
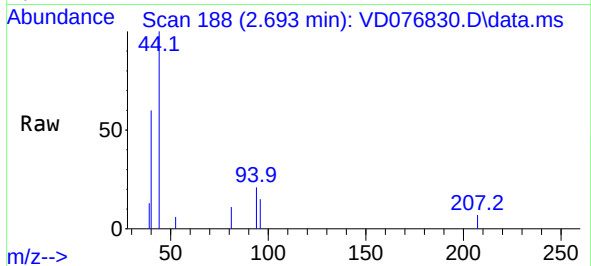




#5
Bromomethane
Concen: 5.102 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

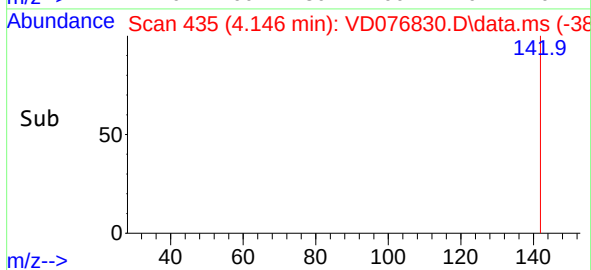
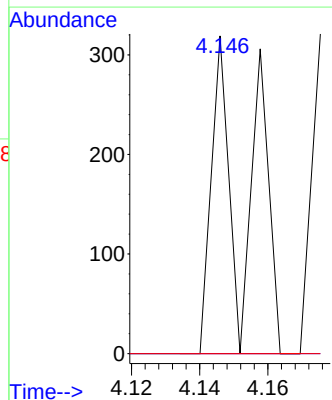
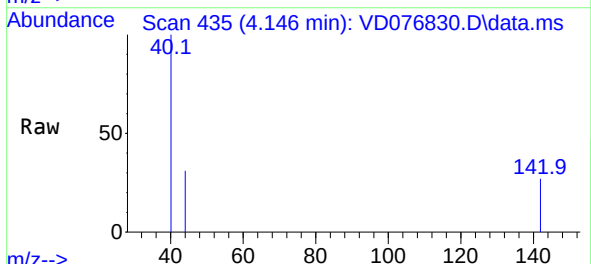
Instrument :
MSVOA_D
ClientSampleId :

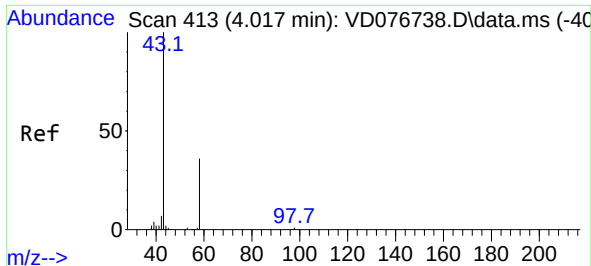
Tgt Ion: 94 Resp: 1050
Ion Ratio Lower Upper
94 100
96 89.9 75.8 113.8



#10
Methyl Iodide
Concen: 1.340 ug/l
RT: 4.146 min Scan# 435
Delta R.T. -0.012 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Tgt Ion: 142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

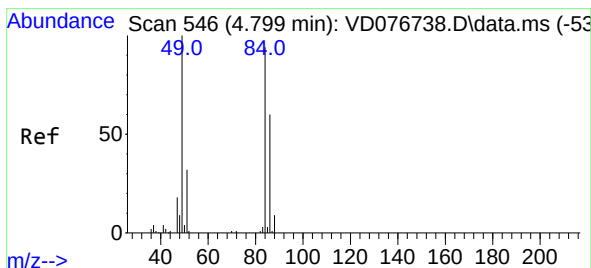
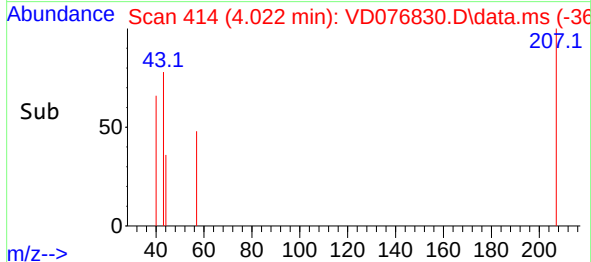
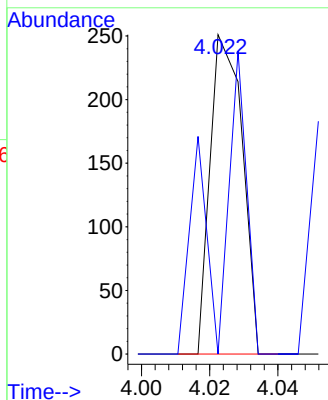
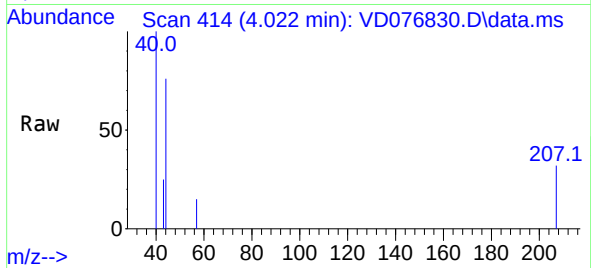




#16
Acetone
Concen: 4.956 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

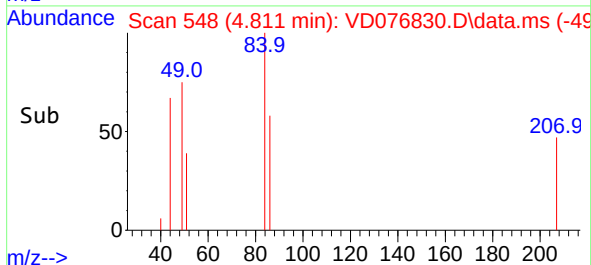
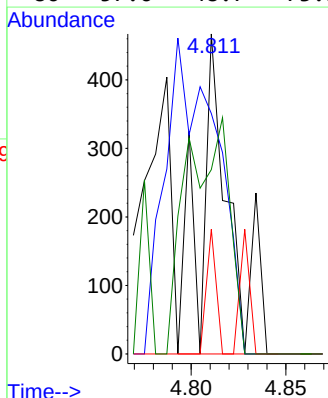
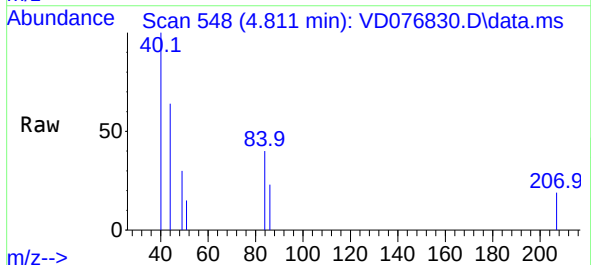
Instrument :
MSVOA_D
ClientSampleId :

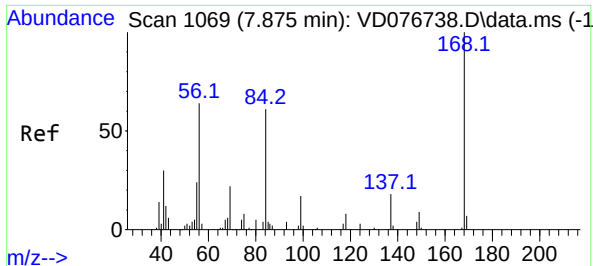
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

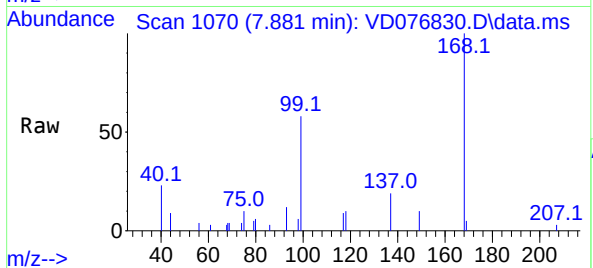
Tgt Ion: 84 Resp: 519
Ion Ratio Lower Upper
84 100
49 75.2 71.4 107.2
51 39.0 24.5 36.7#
86 57.6 48.7 73.1



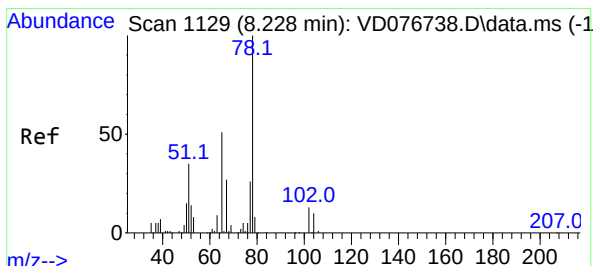
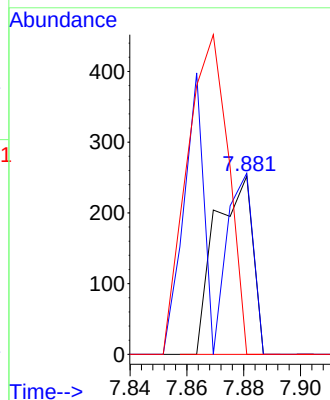
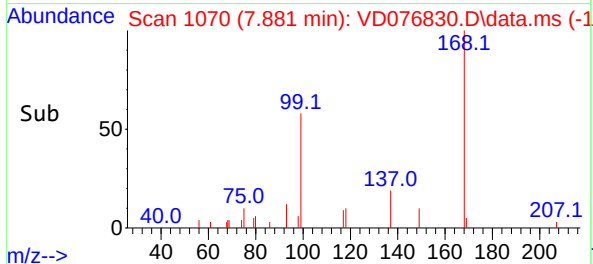


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

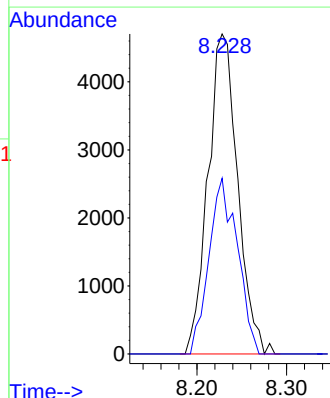
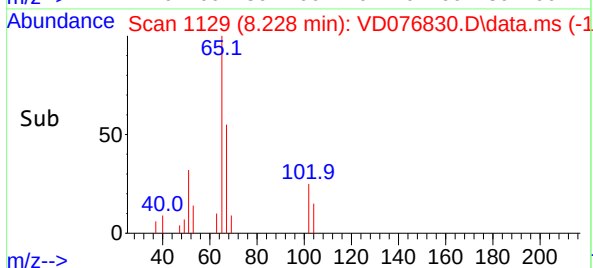
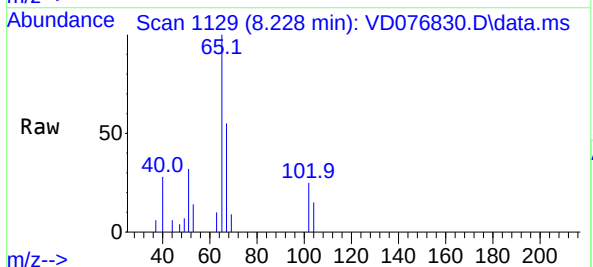


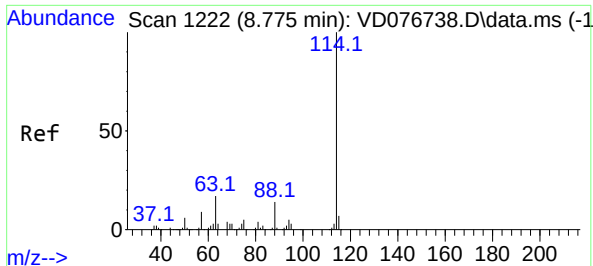
Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
69 101.6 28.6 43.0#
84 0.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 78.031 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

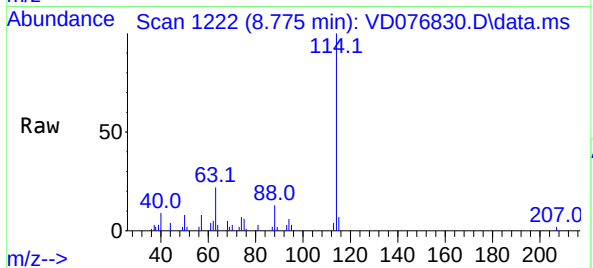
Tgt Ion: 65 Resp: 10811
Ion Ratio Lower Upper
65 100
67 52.6 0.0 115.0



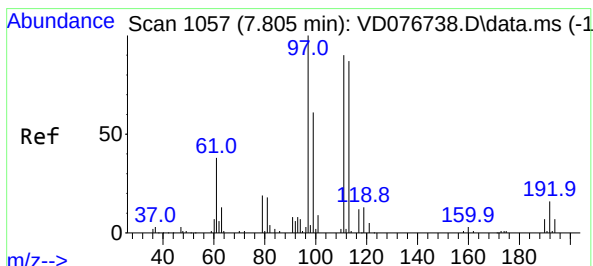
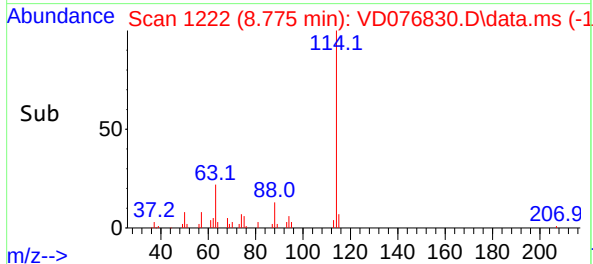
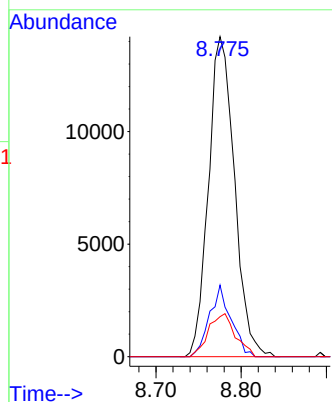


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

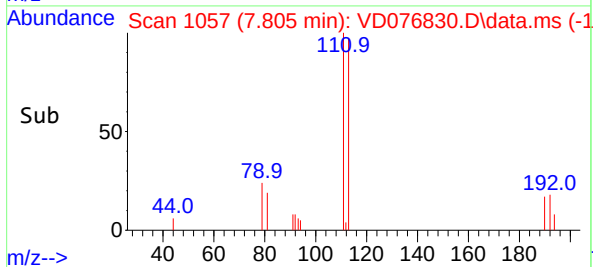
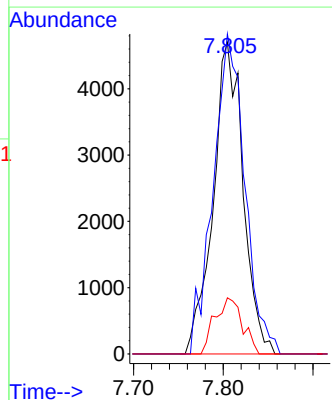
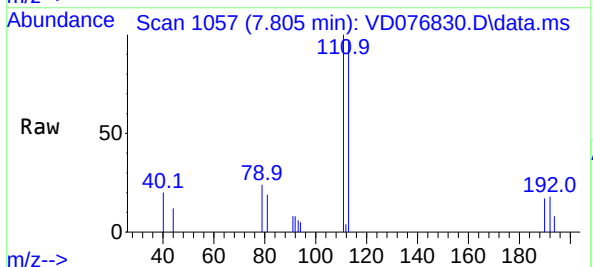


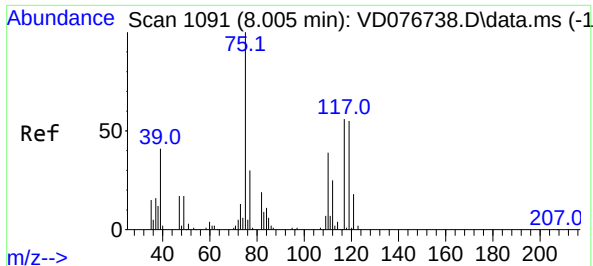
Tgt Ion:114 Resp: 30136
Ion Ratio Lower Upper
114 100
63 22.4 0.0 33.4
88 12.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 57.441 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Tgt Ion:113 Resp: 10878
Ion Ratio Lower Upper
113 100
111 108.5 84.7 127.1
192 16.6 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 6.534 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.142 min

Lab File: VD076830.D

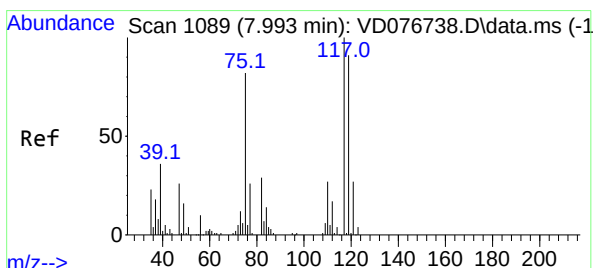
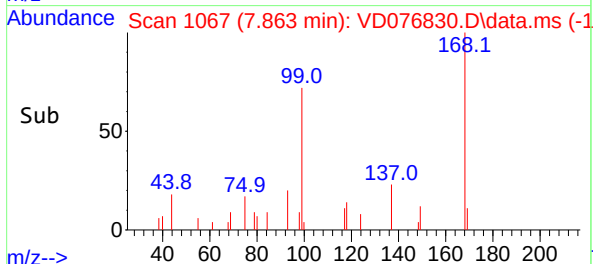
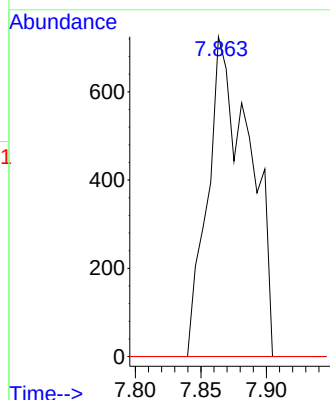
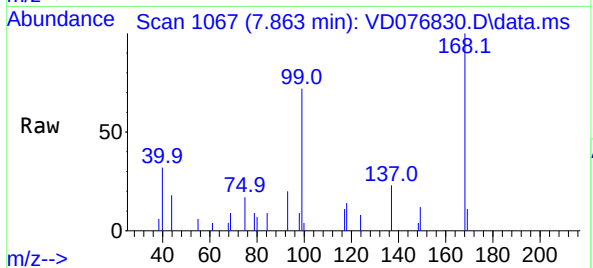
Acq: 27 Jul 2023 13:19

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	1617
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.373 ug/l

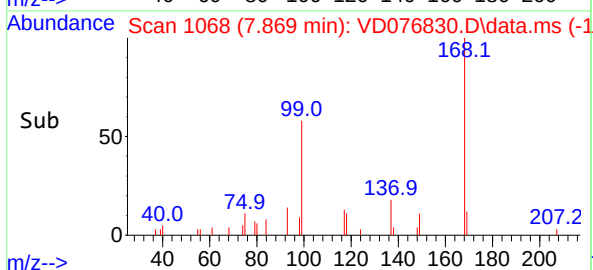
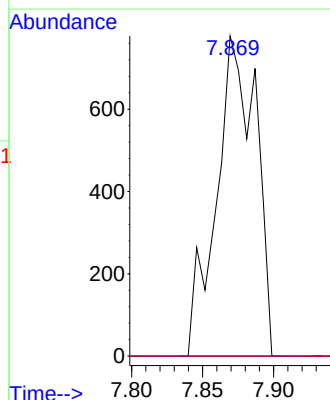
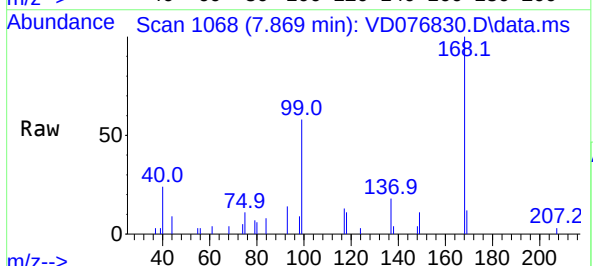
RT: 7.869 min Scan# 1068

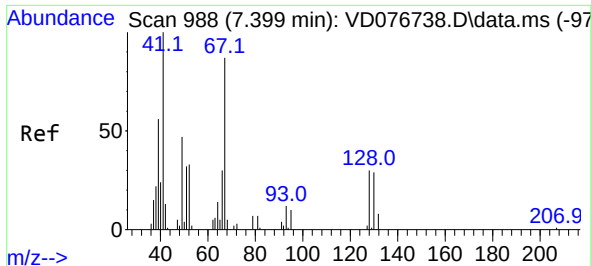
Delta R.T. -0.124 min

Lab File: VD076830.D

Acq: 27 Jul 2023 13:19

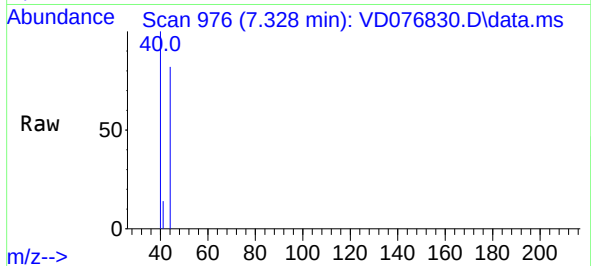
Tgt Ion:	117	Resp:	1510
Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	24.2	36.2#



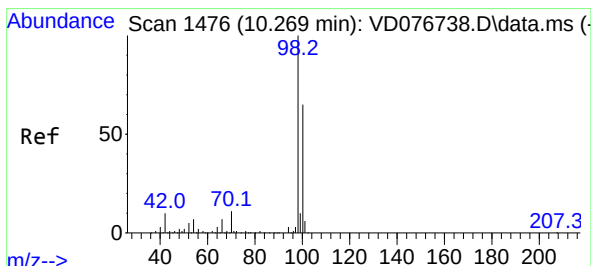
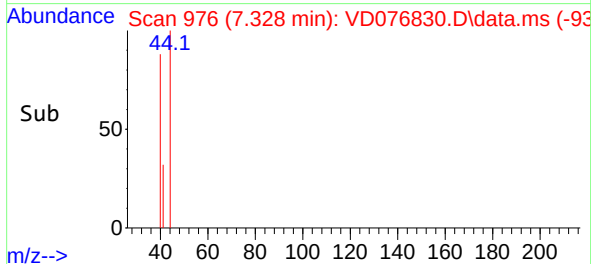
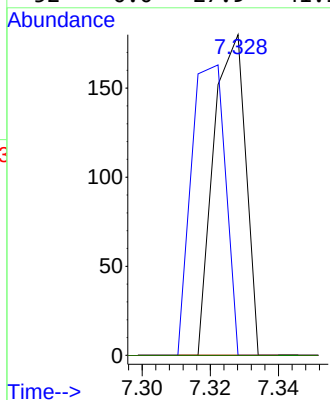


#41
Methacrylonitrile
Concen: 1.731 ug/l
RT: 7.328 min Scan# 91
Delta R.T. -0.071 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

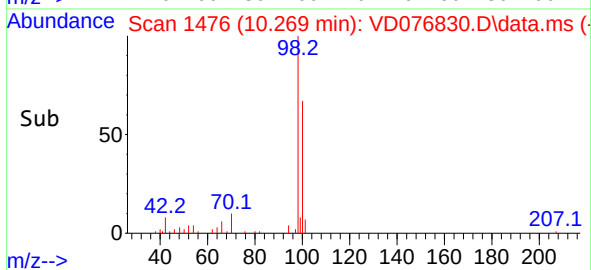
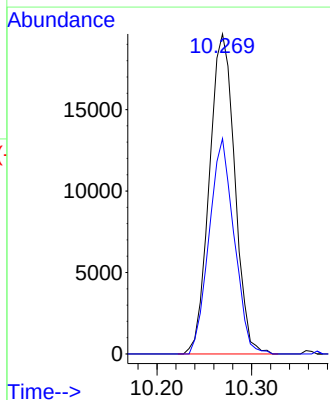
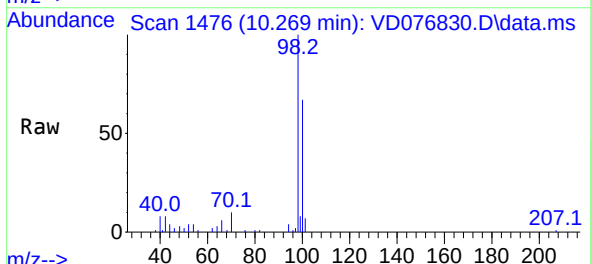


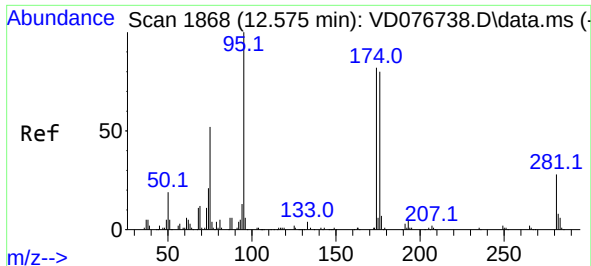
Tgt Ion: 41	Resp: 117
Ion Ratio	Lower Upper
41 100	
39 96.6	34.0 51.0#
67 0.0	77.0 115.4#
52 0.0	27.9 41.9#



#50
Toluene-d8
Concen: 53.952 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

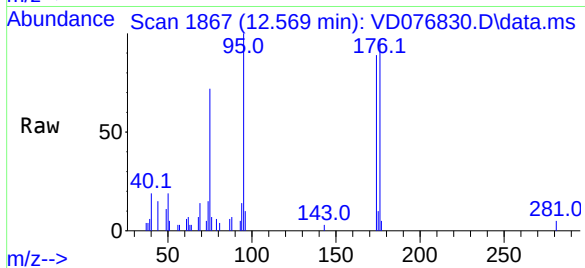
Tgt Ion: 98	Resp: 36551
Ion Ratio	Lower Upper
98 100	
100 66.3	50.3 75.5



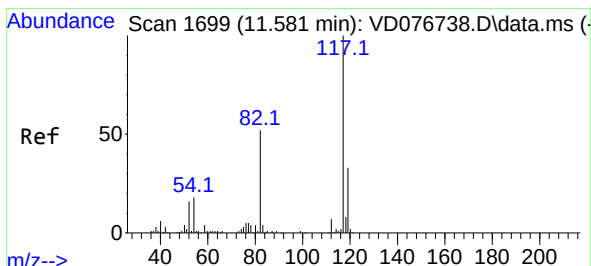
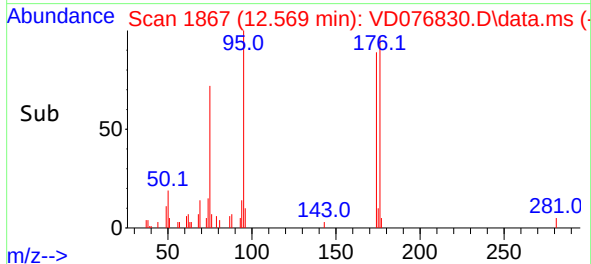
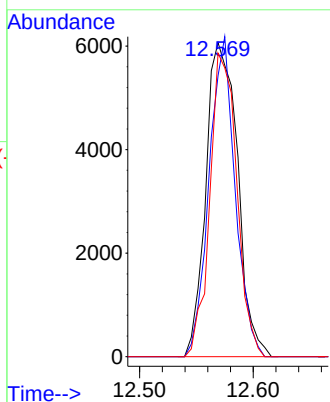


#62
4-Bromofluorobenzene
Concen: 53.431 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

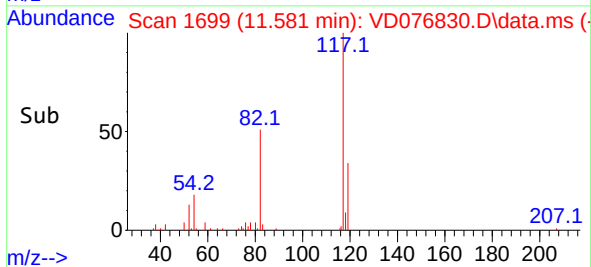
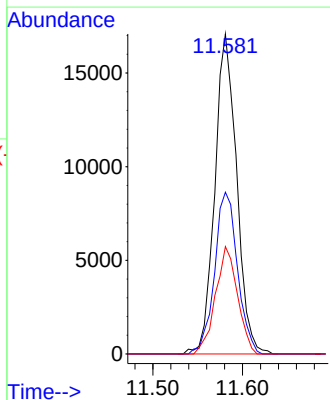
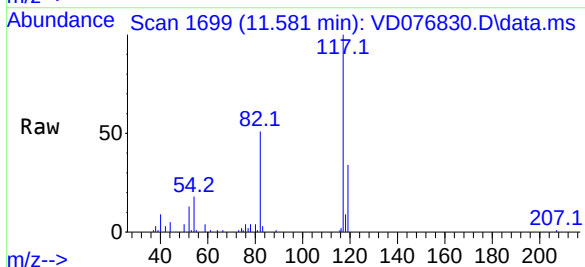


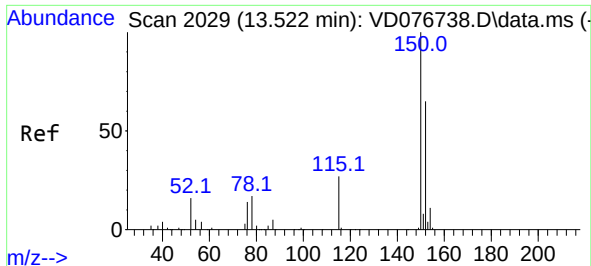
Tgt Ion: 95 Resp: 11710
Ion Ratio Lower Upper
95 100
174 84.2 0.0 201.8
176 82.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

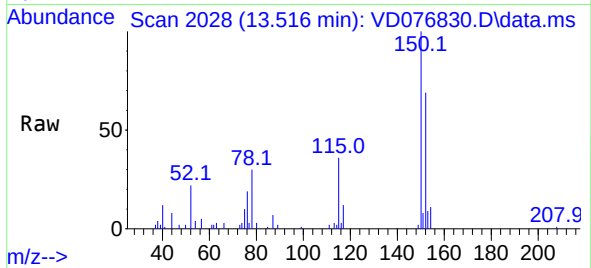
Tgt Ion: 117 Resp: 28829
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 33.6 25.0 37.4



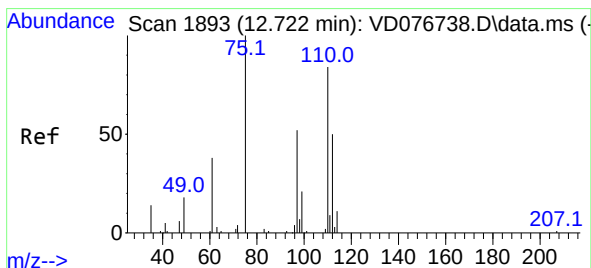
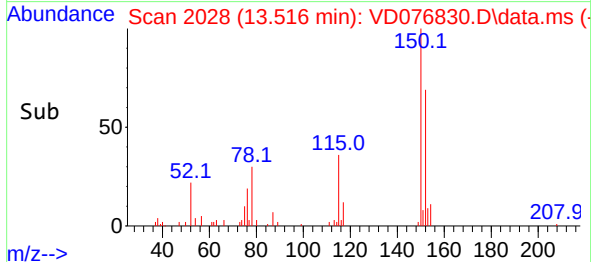
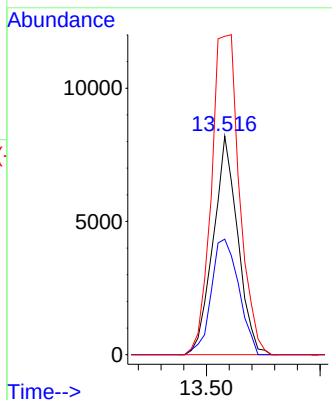


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2029
Delta R.T. -0.006 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

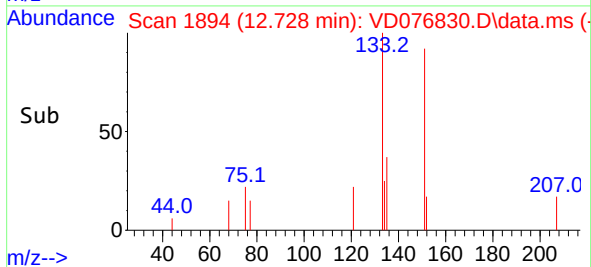
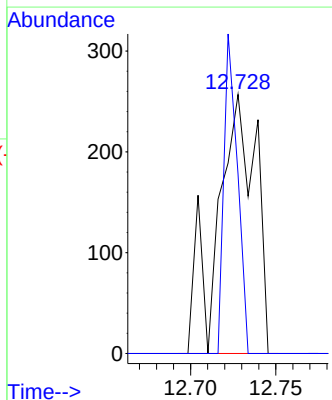
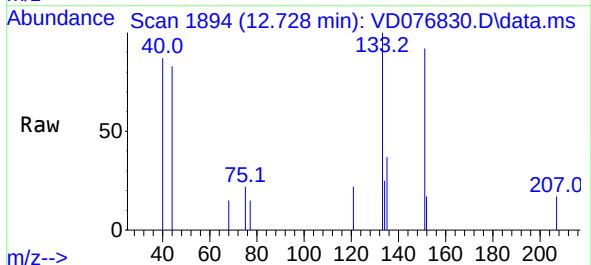


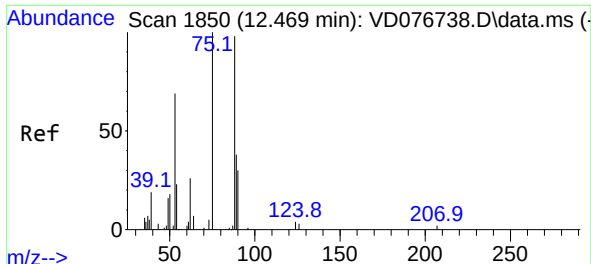
Tgt Ion:152 Resp: 12316
Ion Ratio Lower Upper
152 100
115 59.5 27.1 81.3
150 167.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 3.449 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Tgt Ion: 75 Resp: 404
Ion Ratio Lower Upper
75 100
77 43.3 0.0 0.0#

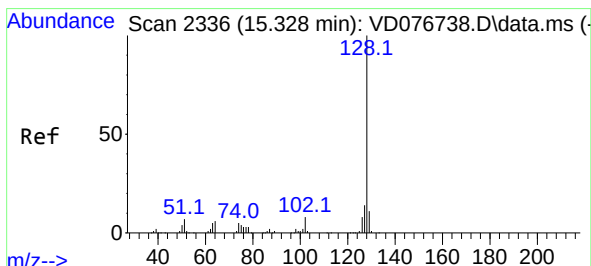
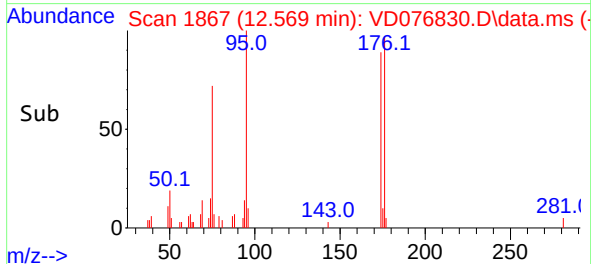
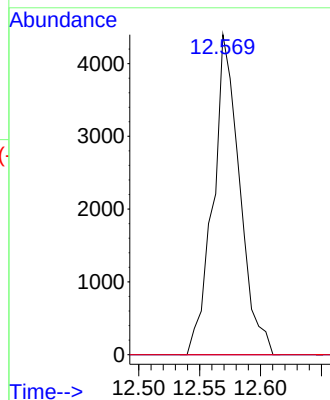
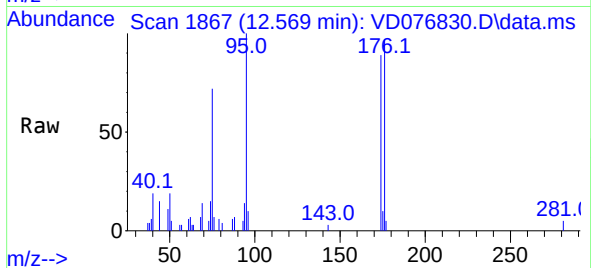




#81
trans-1,4-Dichloro-2-butene
Concen: 121.183 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 6669
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 9.491 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD076830.D
Acq: 27 Jul 2023 13:19

Tgt Ion:128 Resp: 4690
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 10.0 8.7 13.1

