

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052423\
 Data File : VD076218.D
 Acq On : 24 May 2023 17:09
 Operator : KP/SY
 Sample : 02892-10
 Misc : 6.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-32

Quant Time: May 25 06:02:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

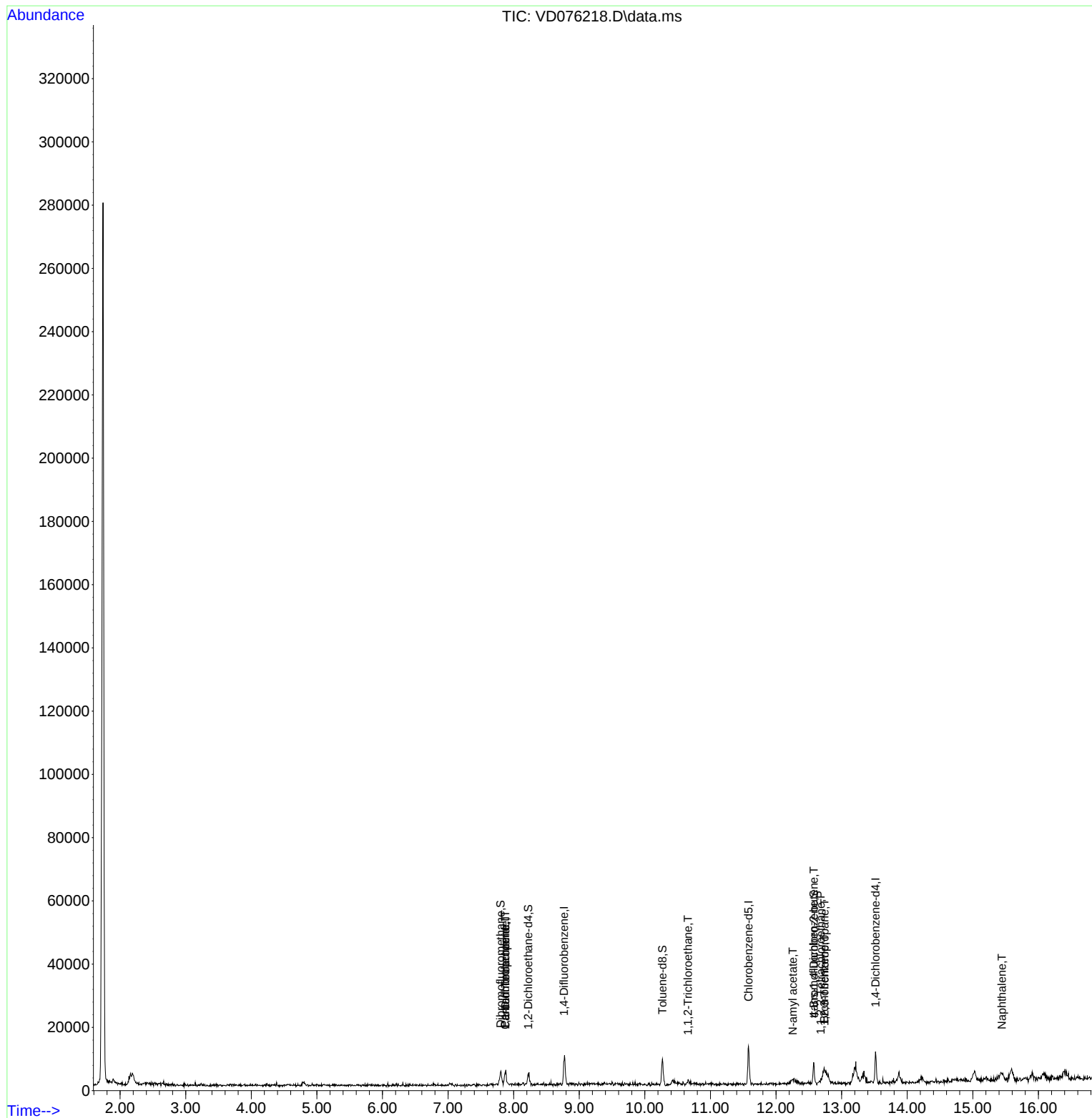
Internal Standards						
1) Pentafluorobenzene	7.869	168	4258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	9356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	8608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	3178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	2883	70.057	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.120%	
35) Dibromofluoromethane	7.798	113	3380	52.265	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.540%	
50) Toluene-d8	10.269	98	6537	25.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 51.860%#	
62) 4-Bromofluorobenzene	12.575	95	2715	38.769	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.540%	
Target Compounds						Qvalue
3) Chloromethane	2.152	50	67	Below Cal	#	40
20) Methylene Chloride	4.781	84	533	Below Cal	#	49
36) 1,1-Dichloropropene	7.875	75	183	2.095	ug/l #	42
38) Carbon Tetrachloride	7.875	117	119	1.508	ug/l #	13
55) 1,1,2-Trichloroethane	10.657	97	58	1.042	ug/l #	13
74) N-amyl acetate	12.257	43	58	1.549	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.681	83	56	1.239	ug/l #	24
76) 1,2,3-Trichloropropane	12.739	75	55	1.978	ug/l #	100
77) Bromobenzene	12.734	156	2797	49.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	1106	83.430	ug/l #	5
95) Naphthalene	15.445	128	187	1.731	ug/l #	56

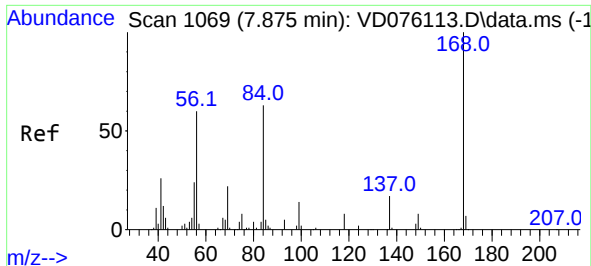
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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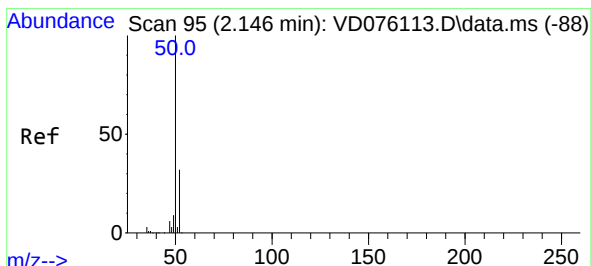
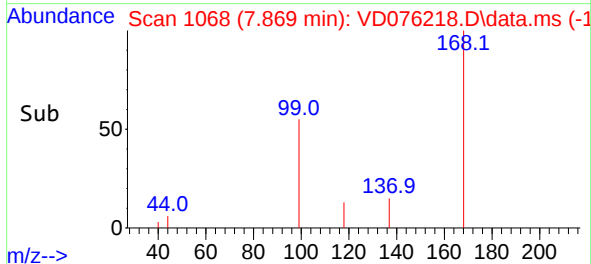
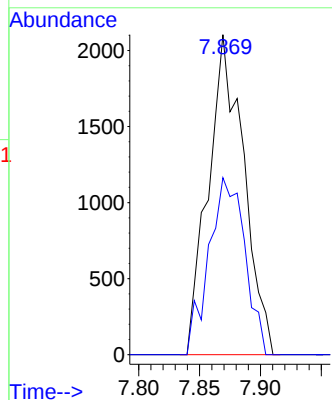
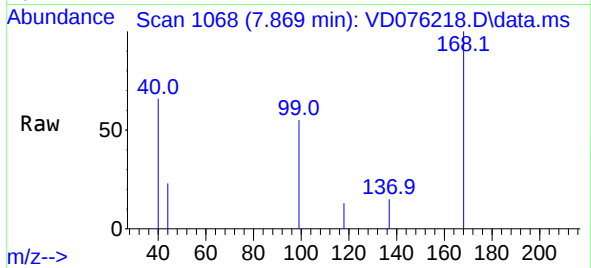




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

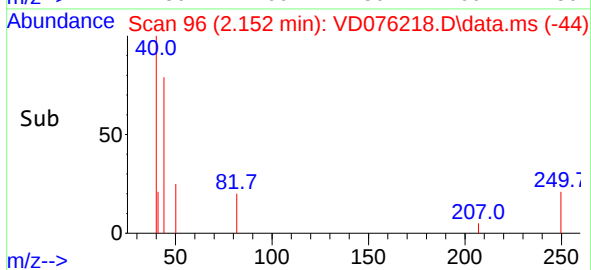
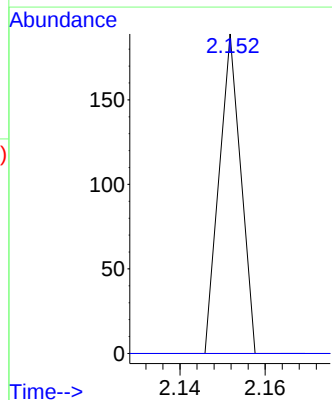
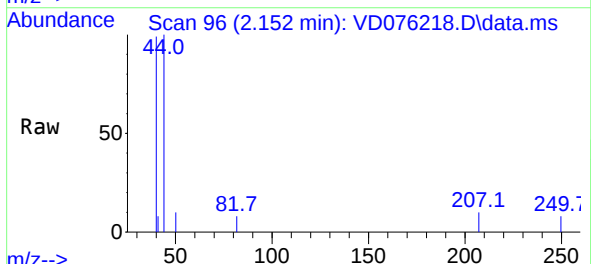
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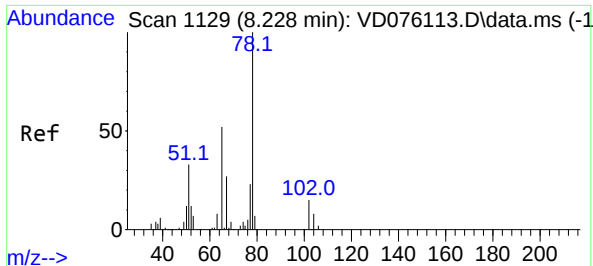
Tgt Ion:168 Resp: 4258
Ion Ratio Lower Upper
168 100
99 55.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

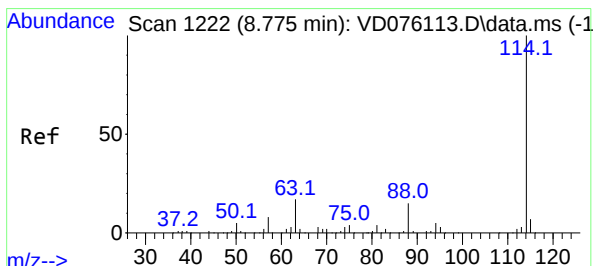
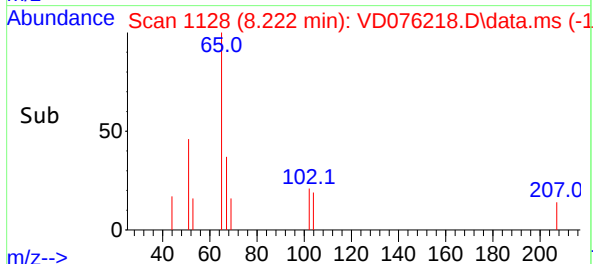
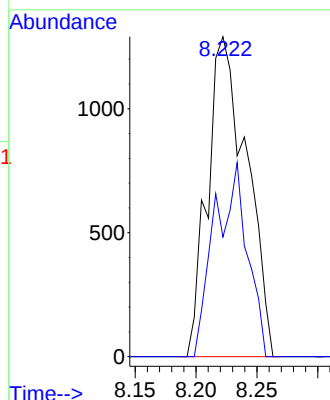
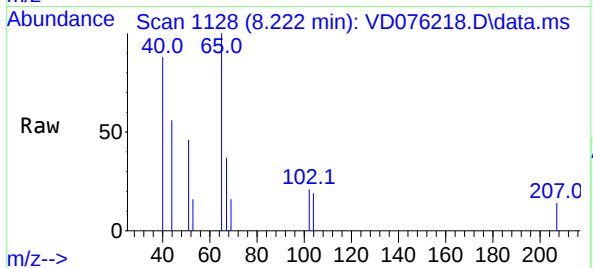




#33
1,2-Dichloroethane-d4
Concen: 70.057 ug/l
RT: 8.222 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

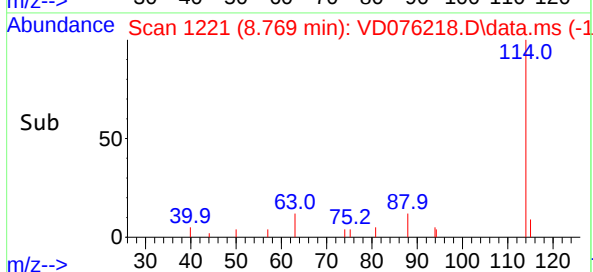
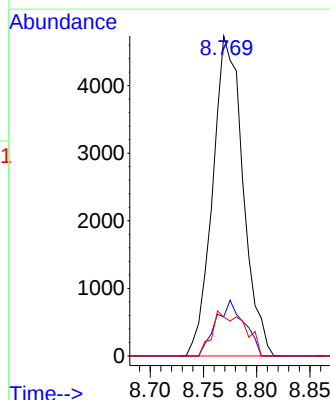
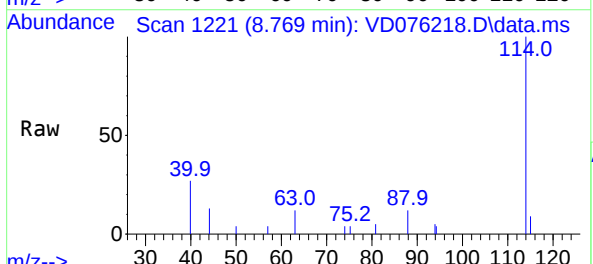
Instrument :
MSVOA_D
ClientSampleId :
TP-32

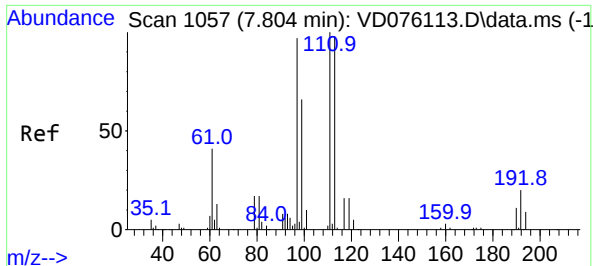
Tgt Ion: 65 Resp: 2883
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.769 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 114 Resp: 9356
Ion Ratio Lower Upper
114 100
63 12.2 0.0 41.6
88 12.2 0.0 30.6

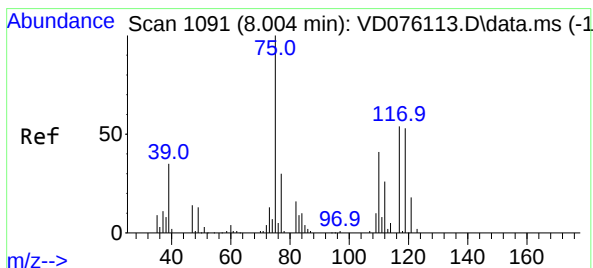
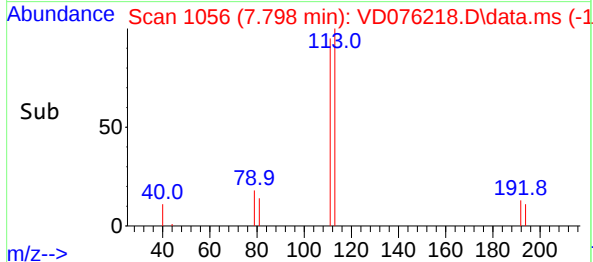
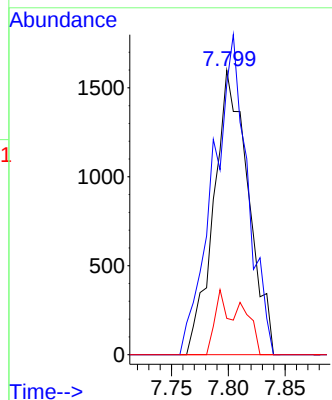
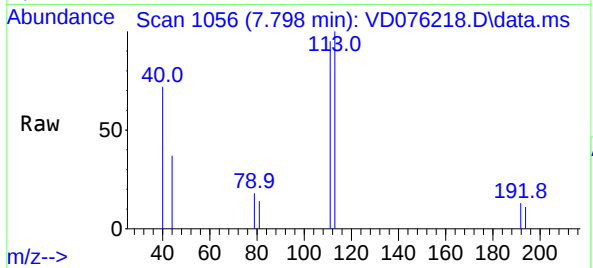




#35
Dibromofluoromethane
Concen: 52.265 ug/l
RT: 7.798 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

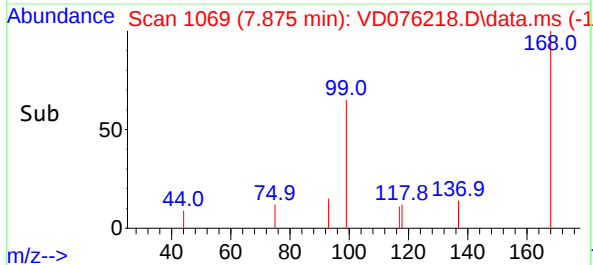
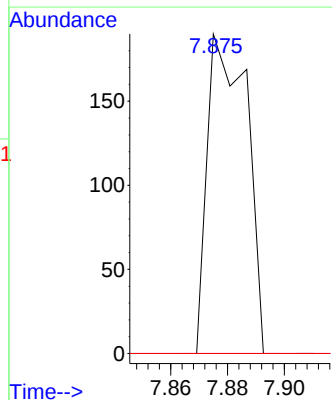
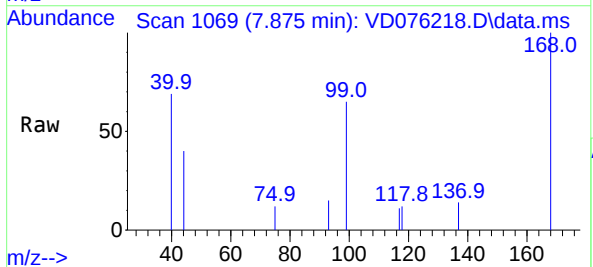
Instrument :
MSVOA_D
ClientSampleId :
TP-32

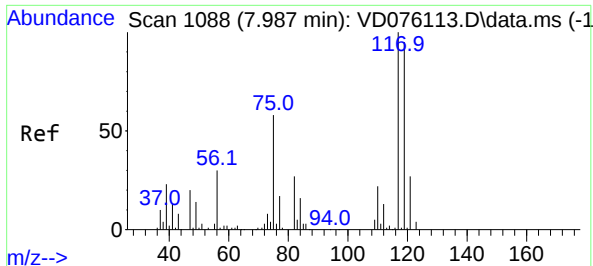
Tgt Ion: 113 Resp: 3380
Ion Ratio Lower Upper
113 100
111 112.8 81.4 122.0
192 9.6 15.2 22.8#



#36
1,1-Dichloropropene
Concen: 2.095 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

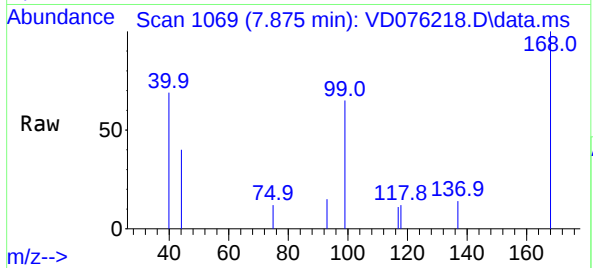
Tgt Ion: 75 Resp: 183
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



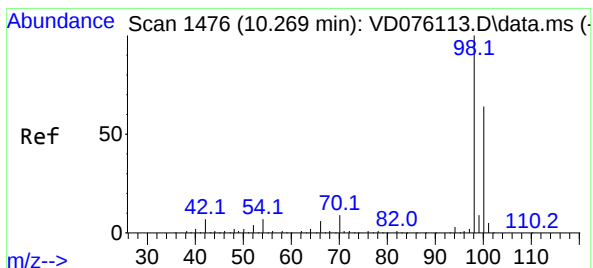
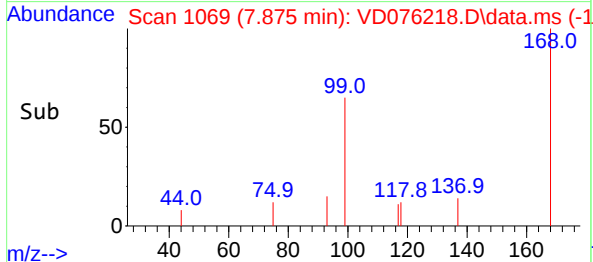
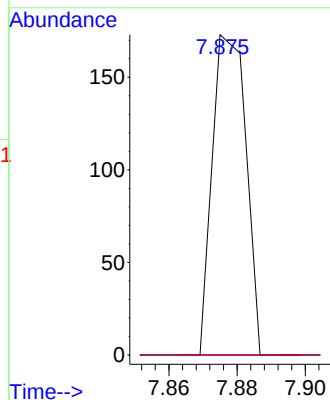


#38
Carbon Tetrachloride
Concen: 1.508 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :
TP-32

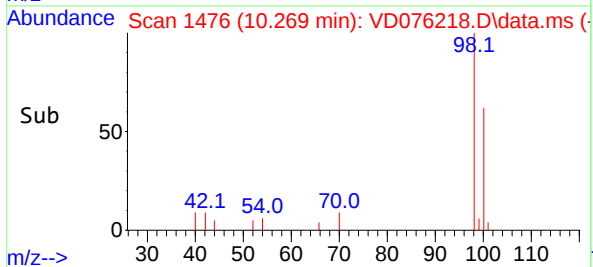
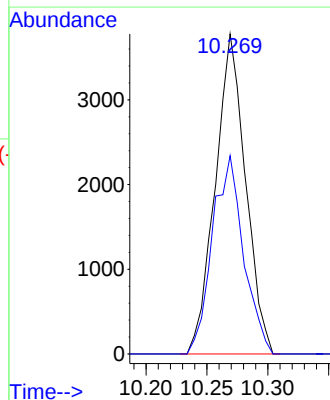
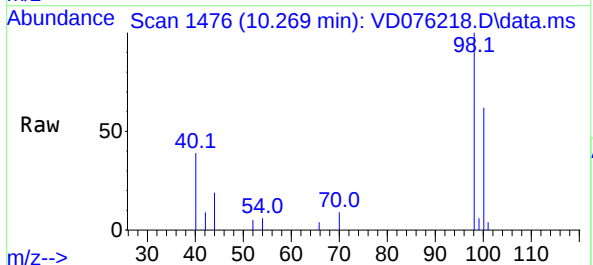


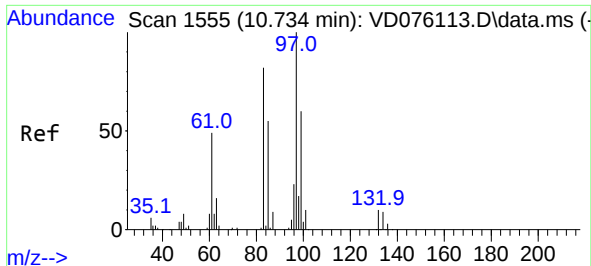
Tgt Ion:117 Resp: 119
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 25.930 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 98 Resp: 6537
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1

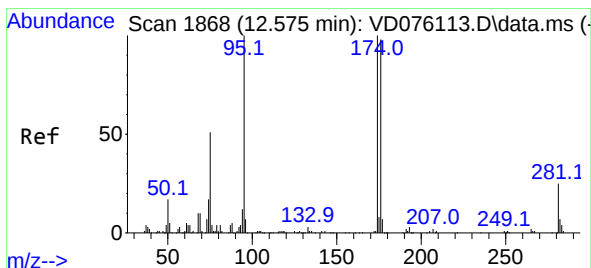
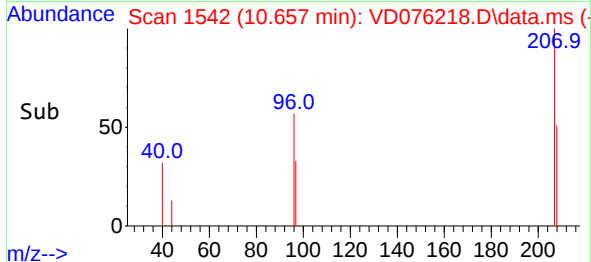
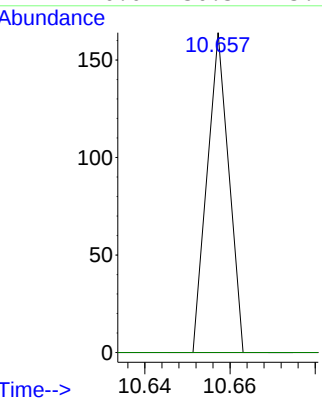
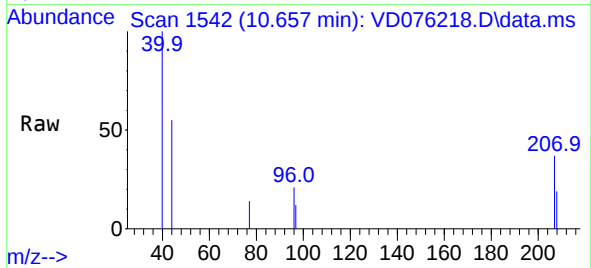




#55
1,1,2-Trichloroethane
Concen: 1.042 ug/l
RT: 10.657 min Scan# 1542
Delta R.T. -0.077 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

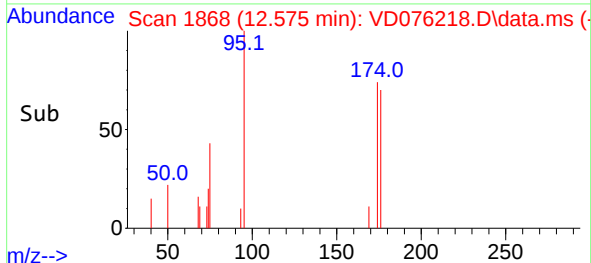
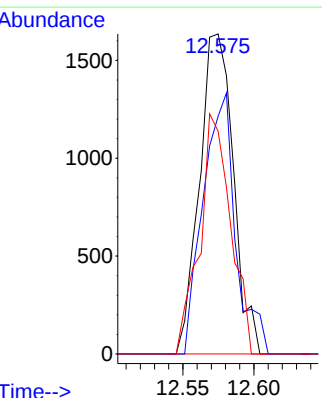
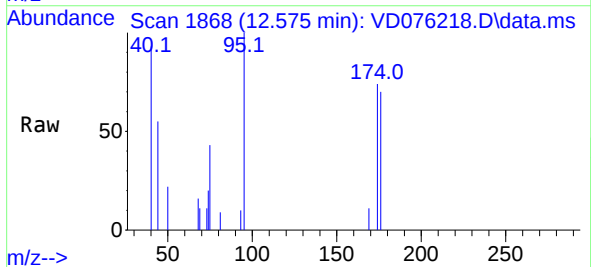
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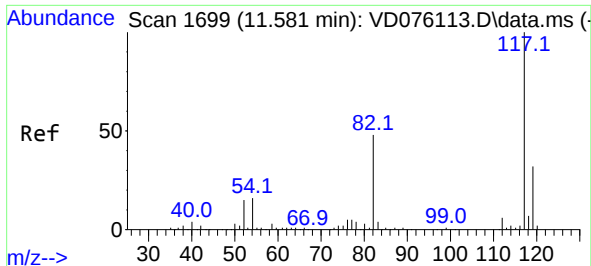
Tgt Ion: 97	Resp: 58
Ion Ratio	Lower Upper
97 100	
83 0.0	74.2 111.4#
85 0.0	45.4 68.0#
99 0.0	50.5 75.7#



#62
4-Bromofluorobenzene
Concen: 38.769 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 95	Resp: 2715
Ion Ratio	Lower Upper
95 100	
174 77.9	0.0 164.0
176 68.5	0.0 156.8

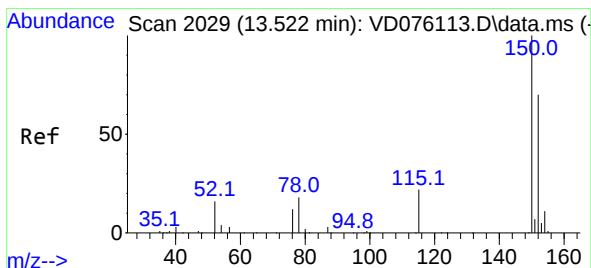
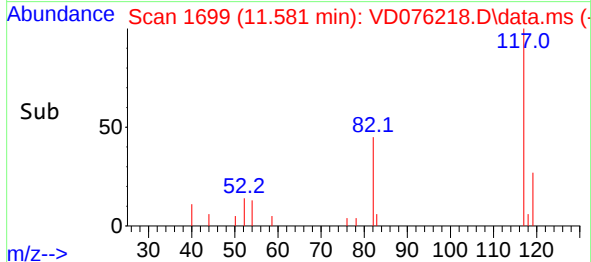
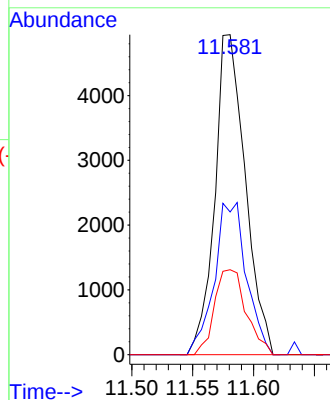
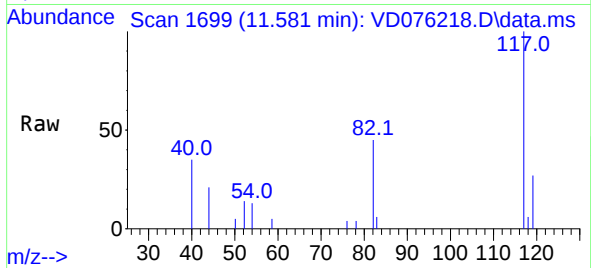




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

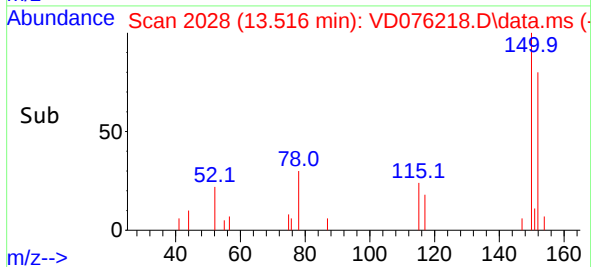
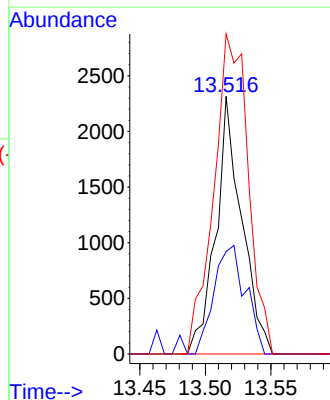
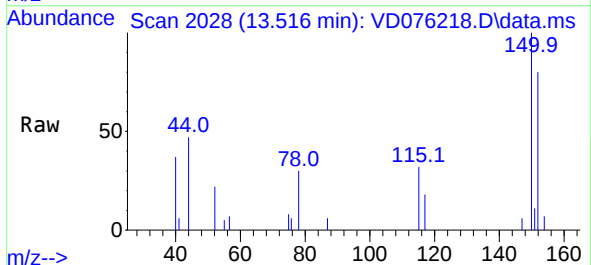
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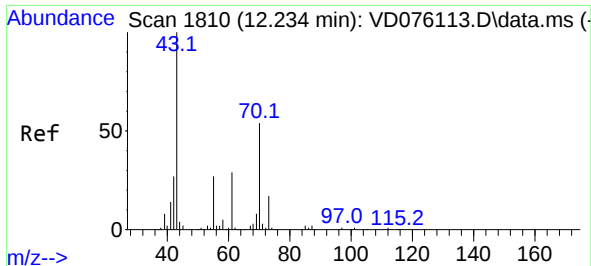
Tgt Ion:117	Resp:	8608
Ion	Ratio	Lower Upper
117	100	
82	44.6	44.0 66.0
119	26.6	25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion:152	Resp:	3178
Ion	Ratio	Lower Upper
152	100	
115	51.4	30.1 90.3
150	164.8	0.0 364.8

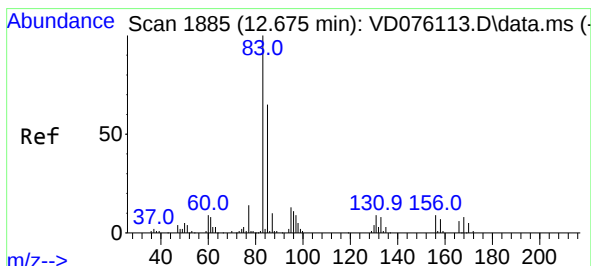
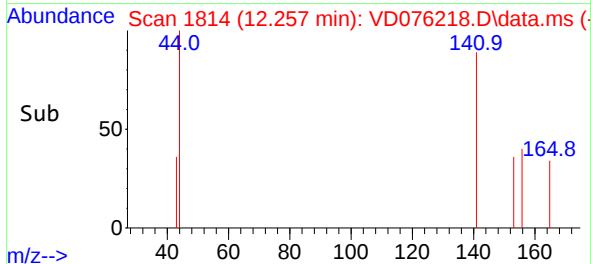
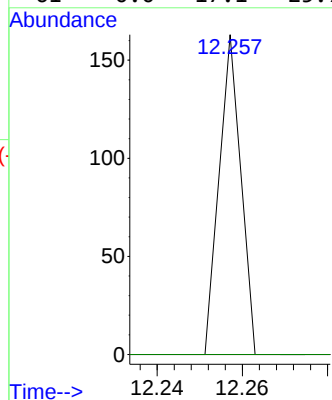
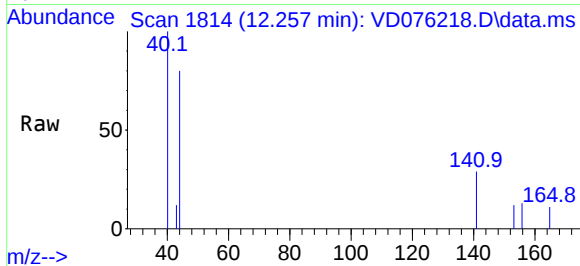




#74
N-amy1 acetate
Concen: 1.549 ug/l
RT: 12.257 min Scan# 1814
Delta R.T. 0.023 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

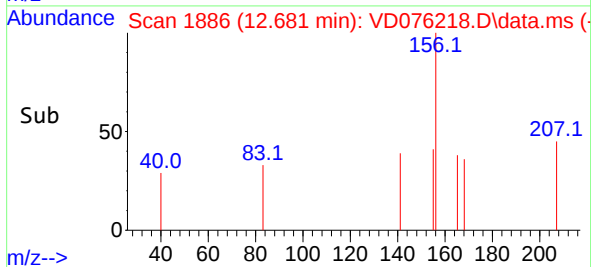
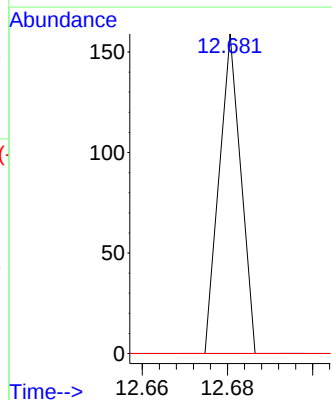
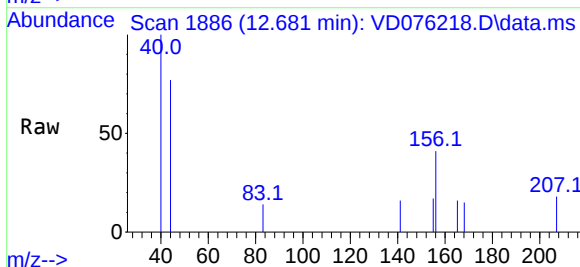
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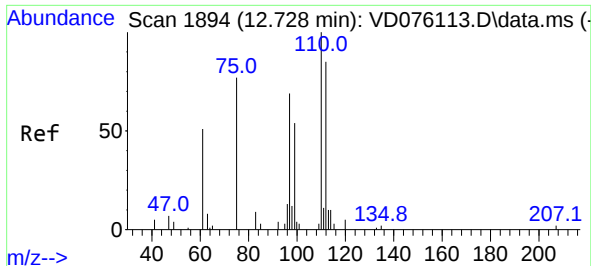
Tgt Ion: 43	Resp:	58
Ion	Ratio	Lower Upper
43	100	
70	0.0	31.0 46.4#
55	0.0	18.6 28.0#
61	0.0	17.1 25.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.239 ug/l
RT: 12.681 min Scan# 1886
Delta R.T. 0.006 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 83	Resp:	56
Ion	Ratio	Lower Upper
83	100	
131	0.0	5.1 15.2#
85	0.0	33.6 100.6#

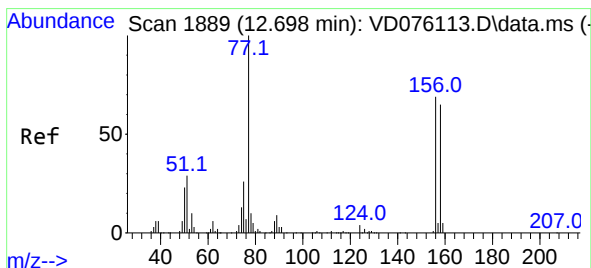
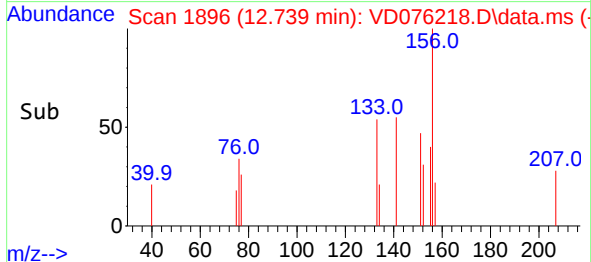
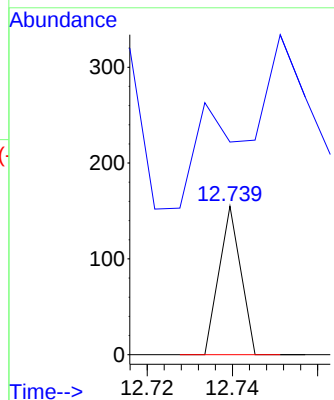
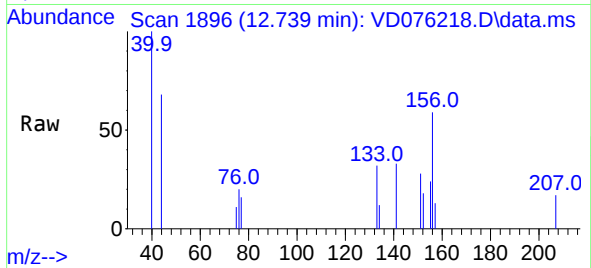




#76
1,2,3-Trichloropropane
Concen: 1.978 ug/l
RT: 12.739 min Scan# 1896
Delta R.T. 0.011 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

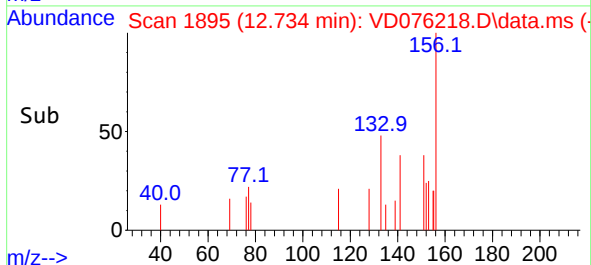
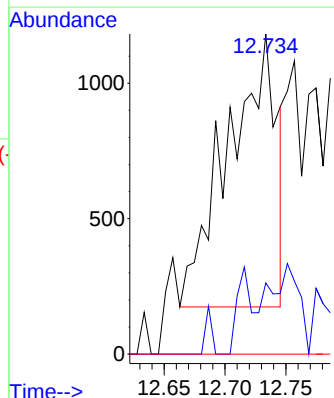
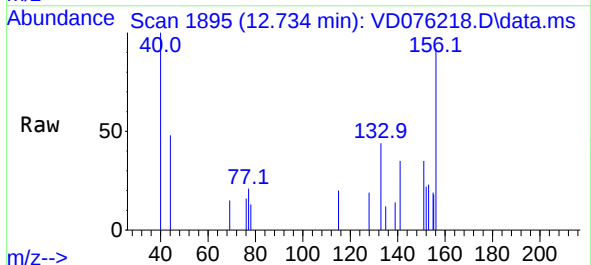
Instrument :
MSVOA_D
ClientSampleId :
TP-32

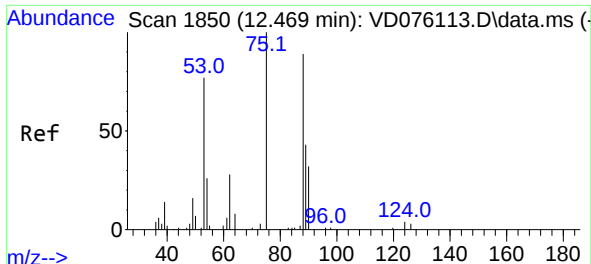
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 976.4 0.0 0.0#



#77
Bromobenzene
Concen: 49.639 ug/l
RT: 12.734 min Scan# 1895
Delta R.T. 0.030 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 156 Resp: 2797
Ion Ratio Lower Upper
156 100
77 10.6 89.5 268.6#
158 0.0 47.8 143.4#

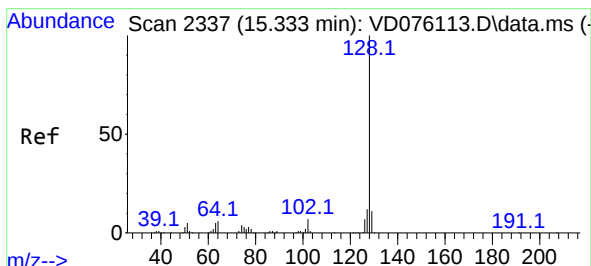
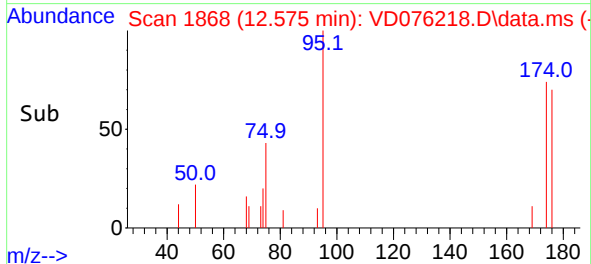
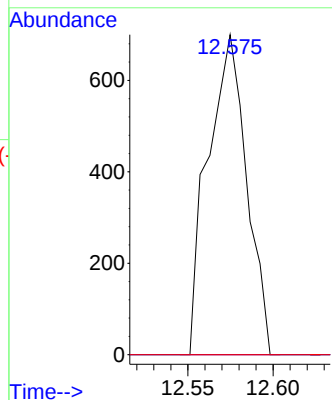
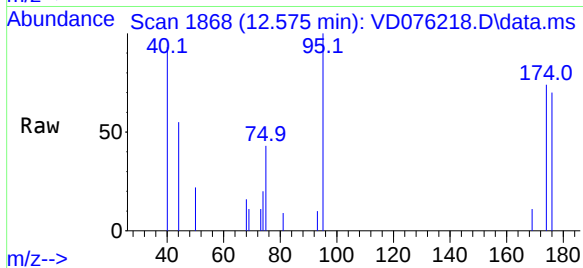




#81
trans-1,4-Dichloro-2-butene
Concen: 83.430 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :
TP-32

Tgt Ion: 75 Resp: 1106
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#



#95
Naphthalene
Concen: 1.731 ug/l
RT: 15.445 min Scan# 2356
Delta R.T. 0.111 min
Lab File: VD076218.D
Acq: 24 May 2023 17:09

Tgt Ion: 128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 32.6 8.8 13.2#

