

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076998.D
 Acq On : 14 Aug 2023 13:49
 Operator : JC/SY
 Sample : 03971-07
 Misc : 4.95G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-05

Quant Time: Aug 14 14:01:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

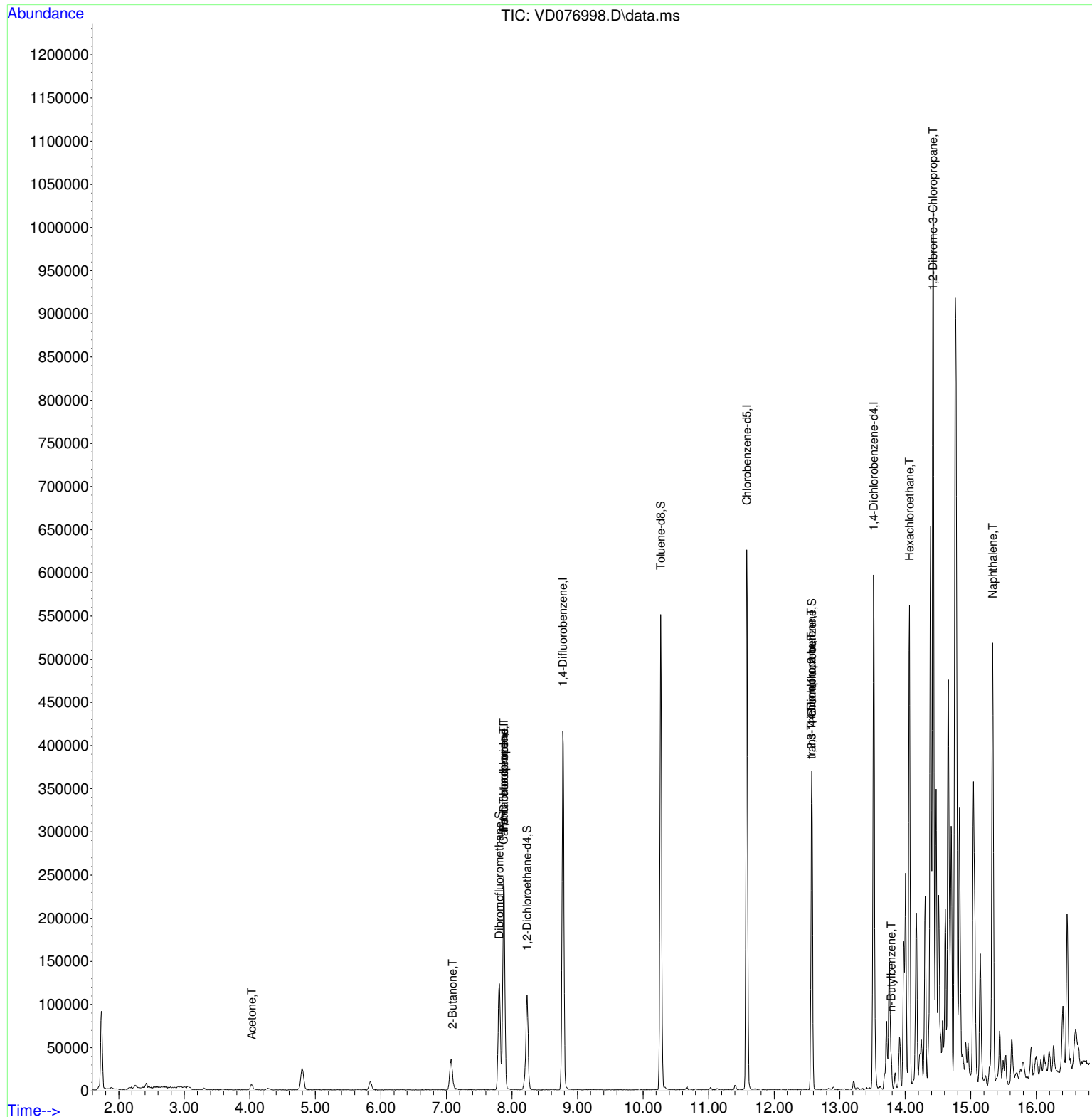
Internal Standards						
1) Pentafluorobenzene	7.875	168	192450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	385530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	378765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161248	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84123	55.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.82%			
35) Dibromofluoromethane	7.805	113	93560	45.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.28%			
50) Toluene-d8	10.269	98	384008	57.68	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 115.36%			
62) 4-Bromofluorobenzene	12.575	95	111268	47.81	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.62%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.069	59	54	Below Cal	#	73
16) Acetone	4.028	43	10582	21.22	ug/l #	84
20) Methylene Chloride	4.793	84	21336	Below Cal		93
25) 2-Butanone	7.093	43	3641	7.17	ug/l #	69
31) Cyclohexane	7.881	56	4036	Below Cal	#	61
36) 1,1-Dichloropropene	7.875	75	14953	5.83	ug/l #	48
38) Carbon Tetrachloride	7.869	117	19545	7.12	ug/l #	18
76) 1,2,3-Trichloropropane	12.569	75	57974	38.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	57974	90.04	ug/l #	17
89) n-Butylbenzene	13.787	91	16487	1.84	ug/l #	70
90) Hexachloroethane	14.063	117	29161	15.31	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.422	75	4406	14.49	ug/l #	1
95) Naphthalene	15.334	128	453697	79.21	ug/l	99

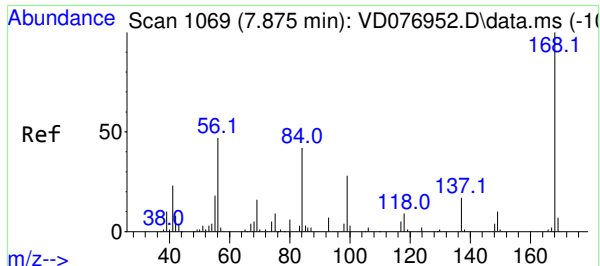
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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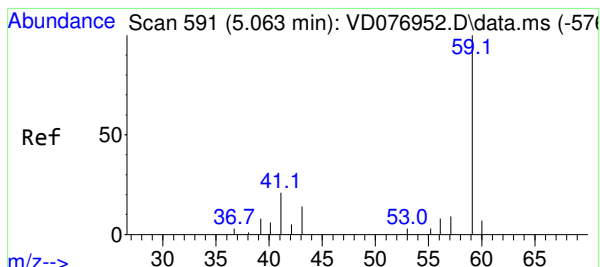
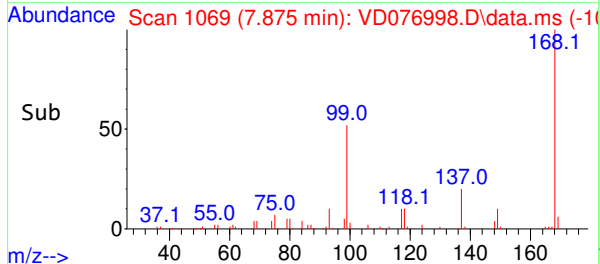
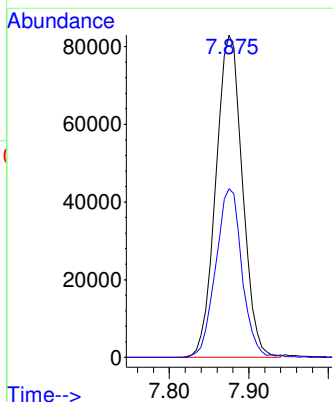
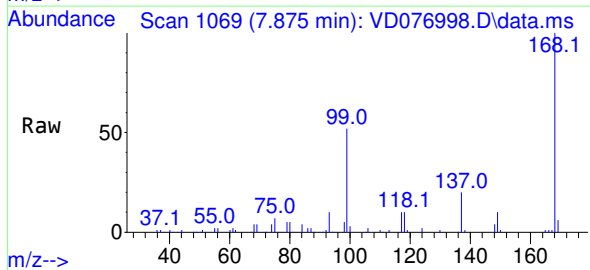




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

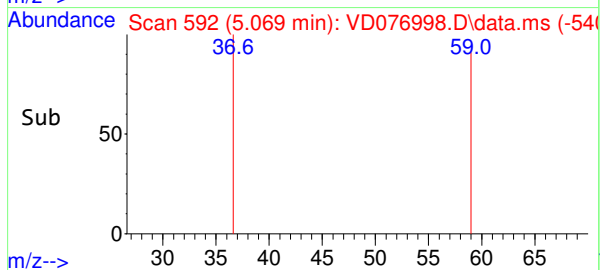
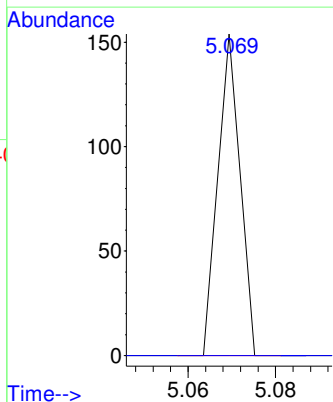
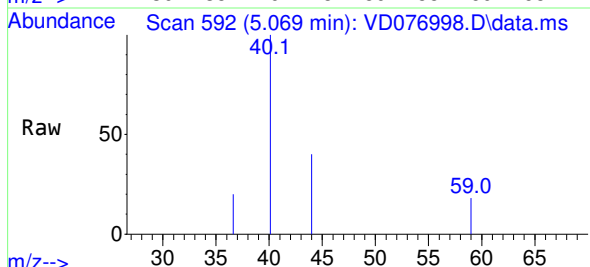
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

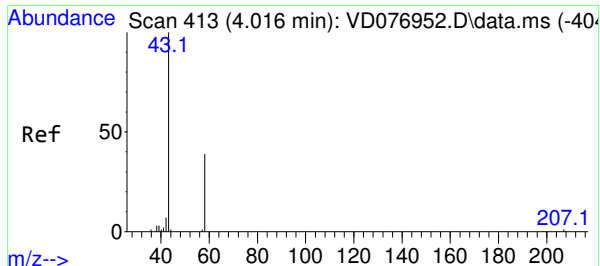
Tgt Ion:168 Resp: 192450
Ion Ratio Lower Upper
168 100
99 52.3 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.069 min Scan# 592
Delta R.T. 0.006 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

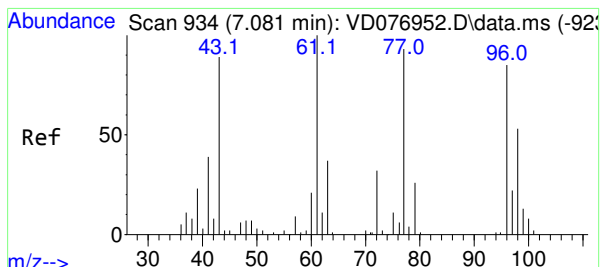
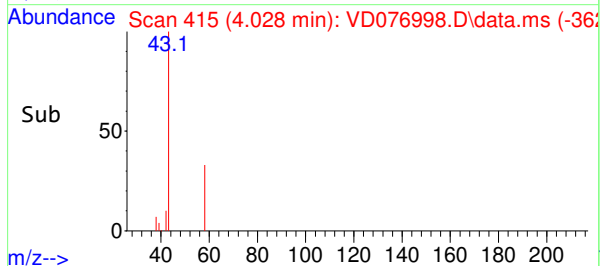
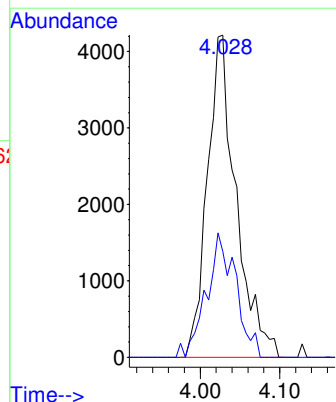
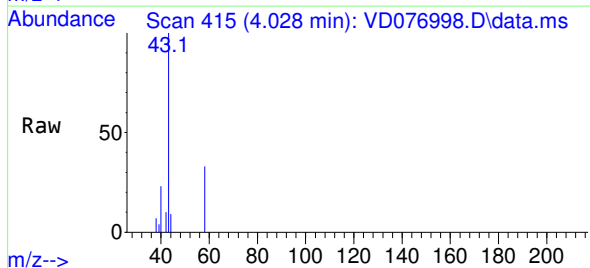




#16
Acetone
Concen: 21.22 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

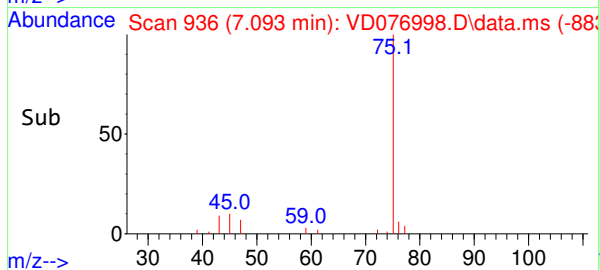
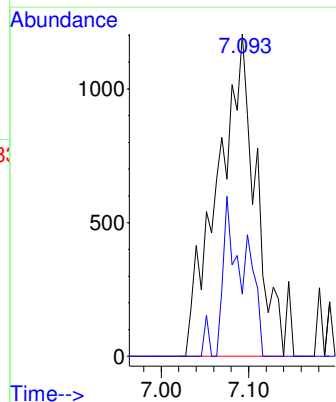
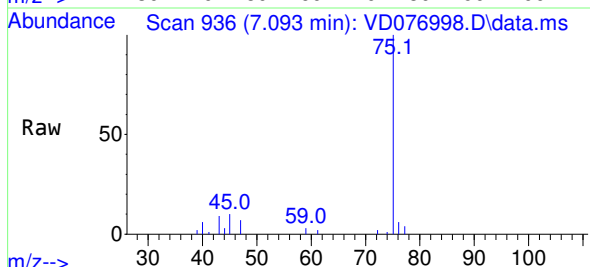
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

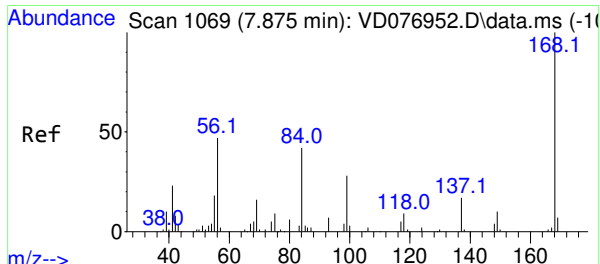
Tgt Ion: 43 Resp: 10582
Ion Ratio Lower Upper
43 100
58 32.8 34.7 52.1#



#25
2-Butanone
Concen: 7.17 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 43 Resp: 3641
Ion Ratio Lower Upper
43 100
72 19.3 30.7 46.1#

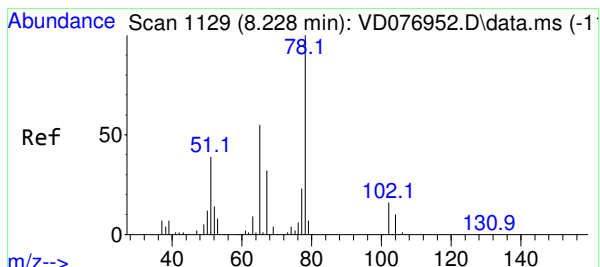
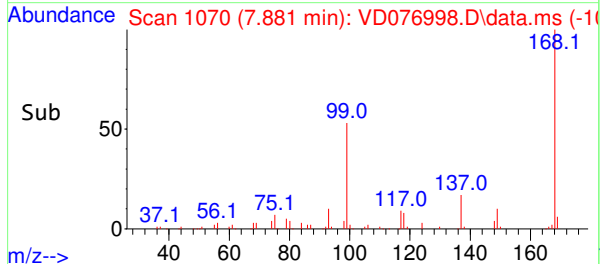
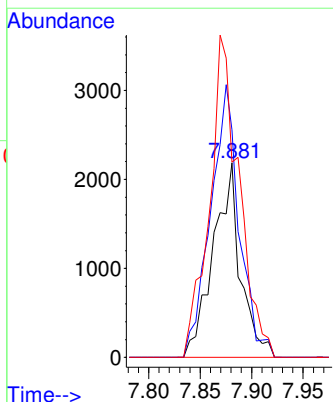
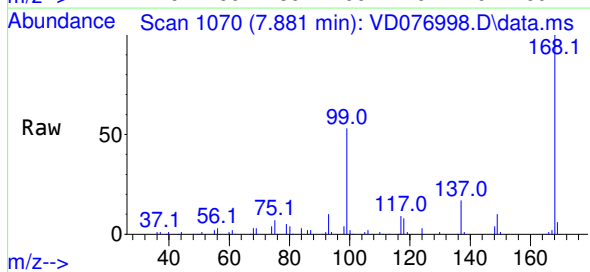




#31
Cyclohexane
Concen: Below Cal
RT: 7.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

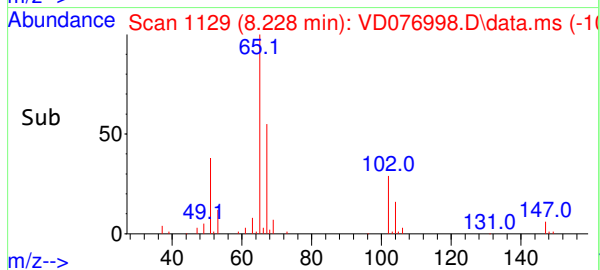
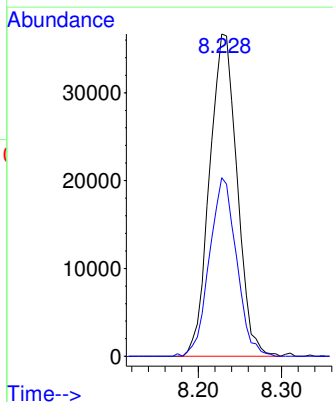
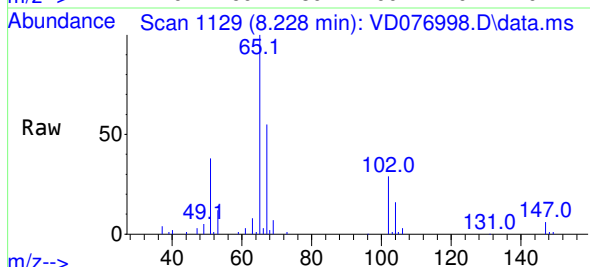
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

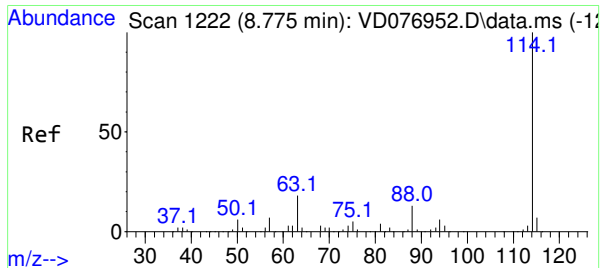
Tgt Ion: 56 Resp: 4036
Ion Ratio Lower Upper
56 100
69 116.9 28.6 43.0#
84 100.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 55.41 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 65 Resp: 84123
Ion Ratio Lower Upper
65 100
67 54.7 0.0 115.0

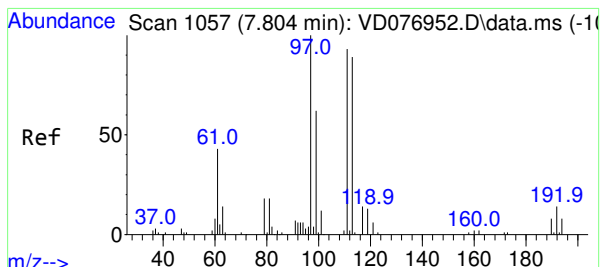
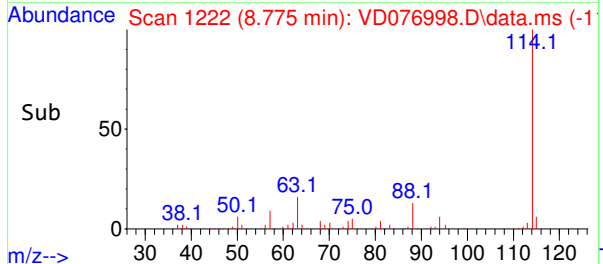
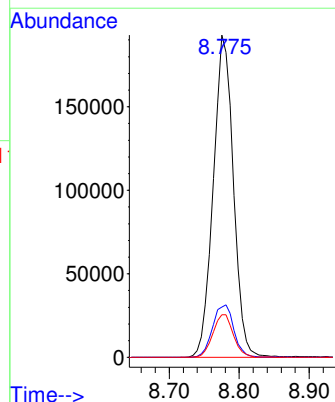
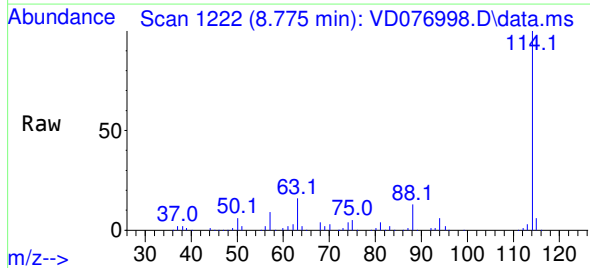




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

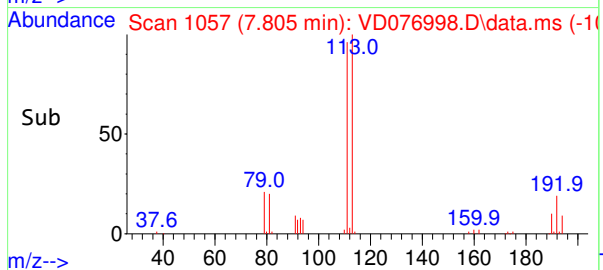
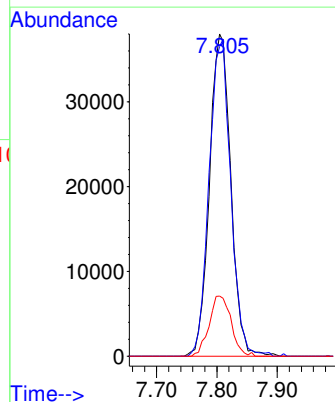
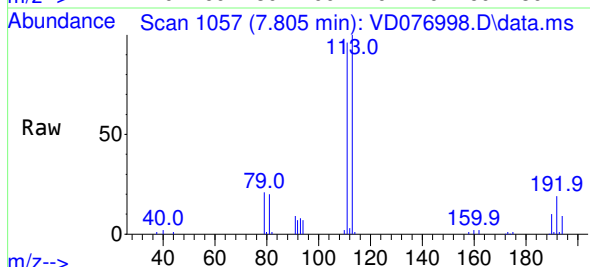
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

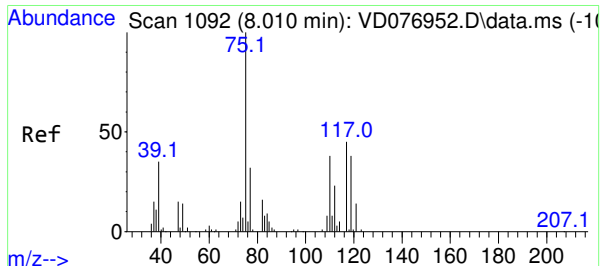
Tgt Ion:	114	Resp:	385530
Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	33.4
88	13.3	0.0	26.2



#35
Dibromofluoromethane
Concen: 45.14 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion:	113	Resp:	93560
Ion	Ratio	Lower	Upper
113	100		
111	99.4	84.7	127.1
192	19.3	16.8	25.2

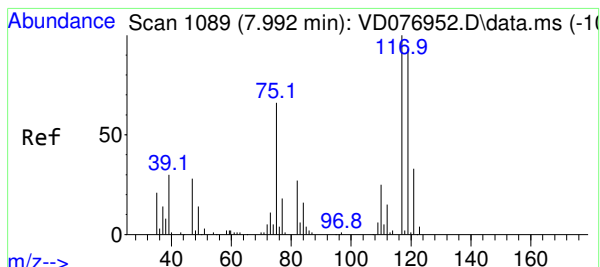
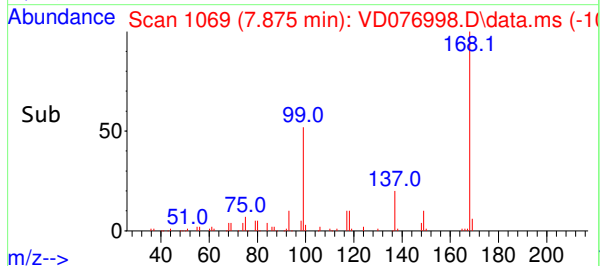
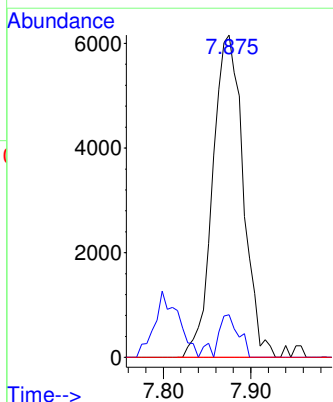
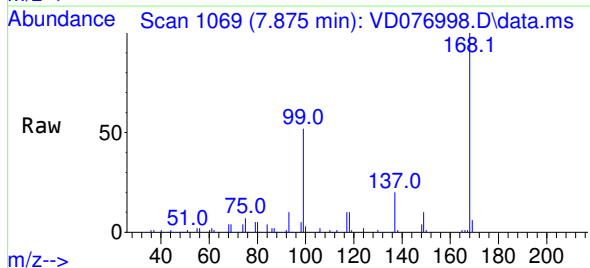




#36
1,1-Dichloropropene
Concen: 5.83 ug/l
RT: 7.875 min Scan# 1
Delta R.T. -0.135 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

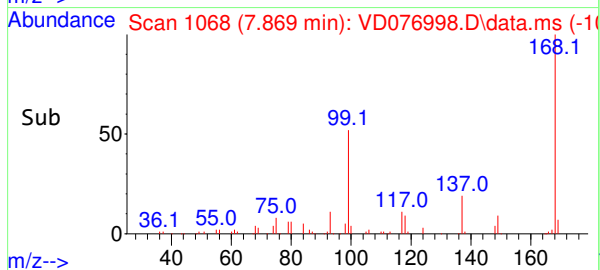
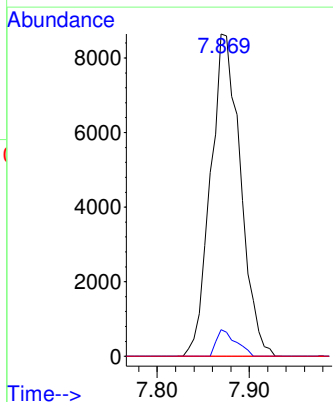
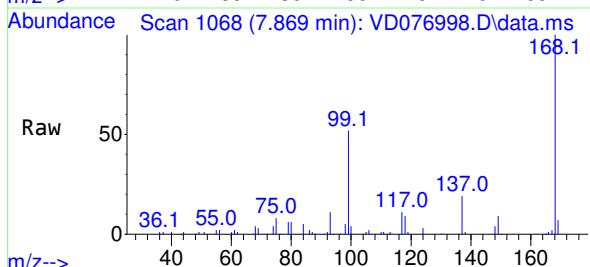
Instrument :
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ClientSampleId :
DUP-05

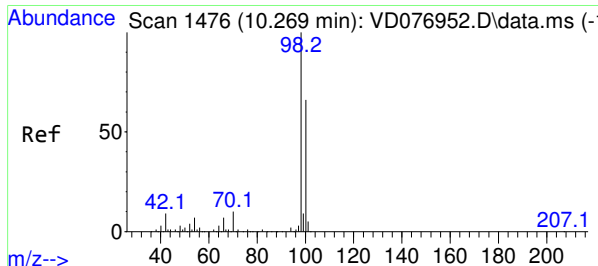
Tgt Ion: 75 Resp: 14953
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.12 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 117 Resp: 19545
Ion Ratio Lower Upper
117 100
119 8.3 78.0 117.0#
121 0.0 24.2 36.2#

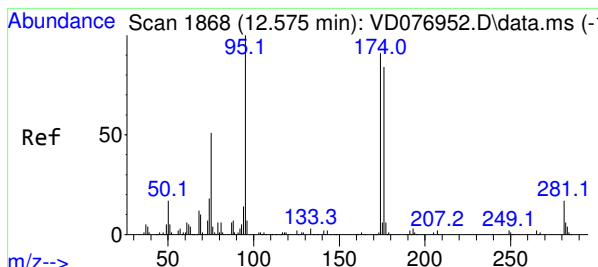
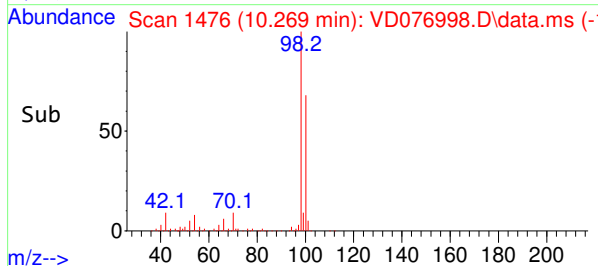
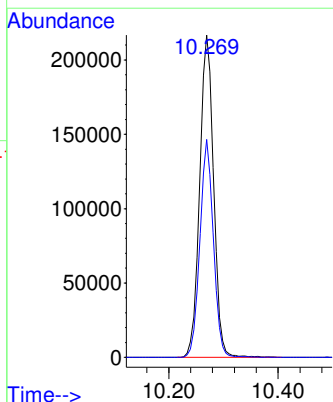
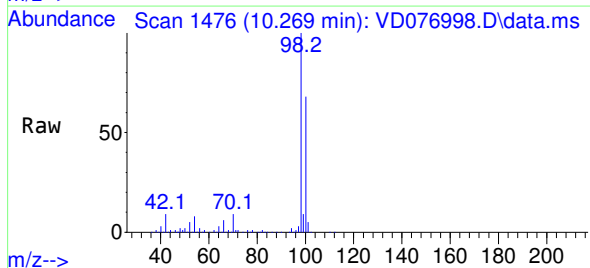




#50
Toluene-d8
Concen: 57.68 ug/l
RT: 10.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

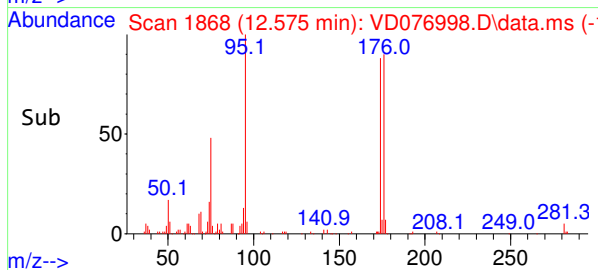
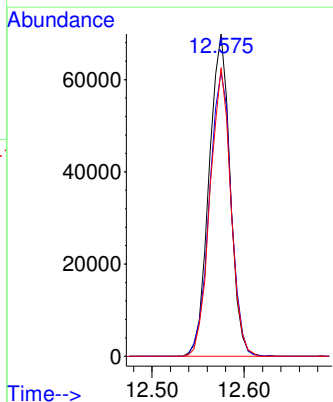
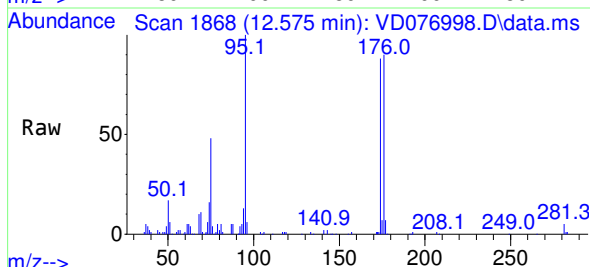
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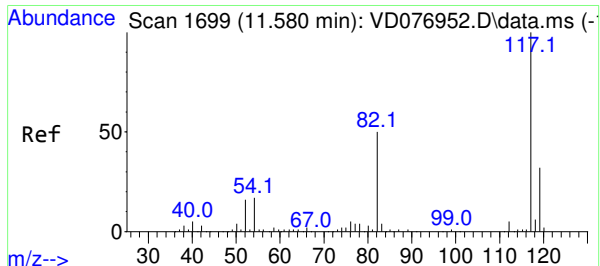
Tgt Ion: 98 Resp: 384008
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 47.81 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 95 Resp: 111268
Ion Ratio Lower Upper
95 100
174 91.3 0.0 201.8
176 88.2 0.0 191.8

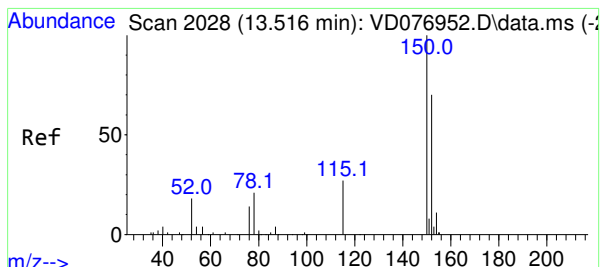
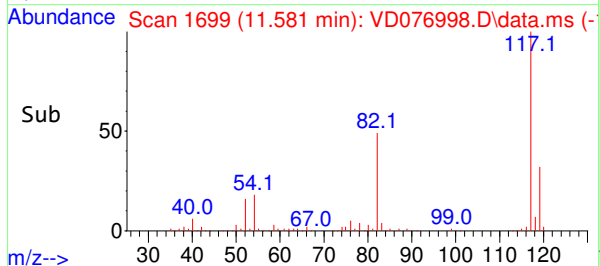
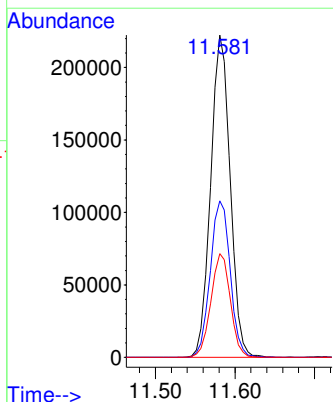
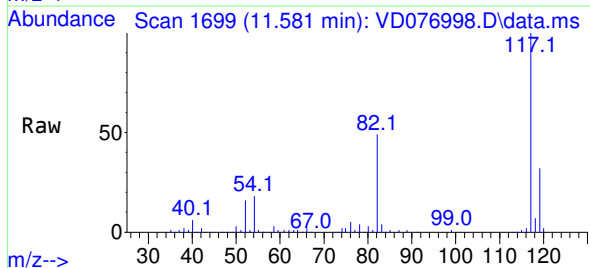




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

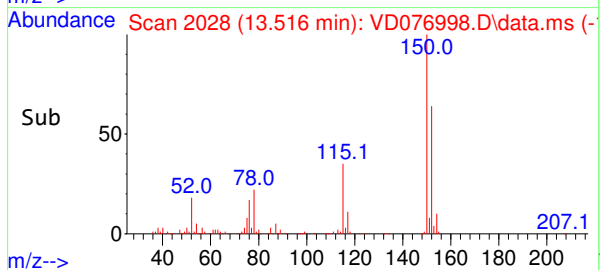
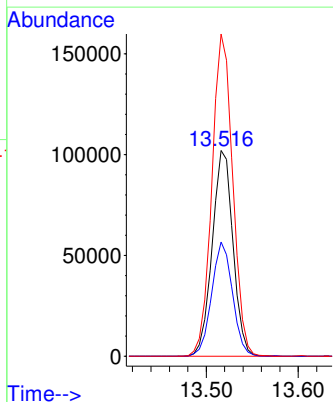
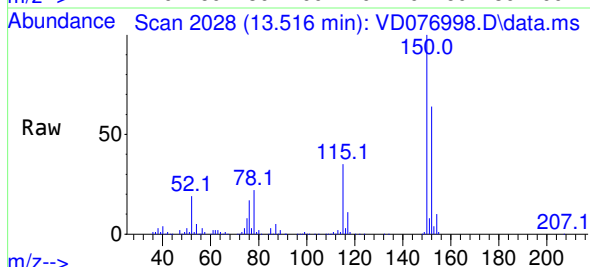
Instrument :
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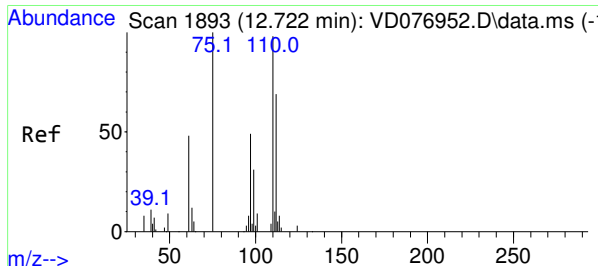
Tgt Ion:	117	Resp:	378765
Ion	Ratio	Lower	Upper
117	100		
82	48.5	38.3	57.5
119	32.2	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion:	152	Resp:	161248
Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.1	81.3
150	156.6	0.0	353.6

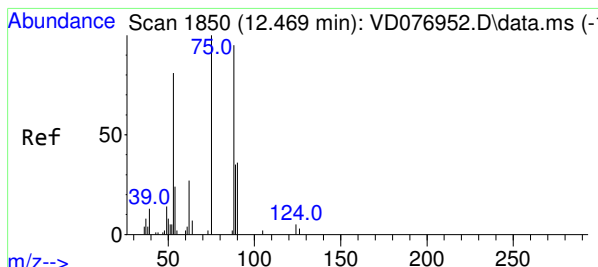
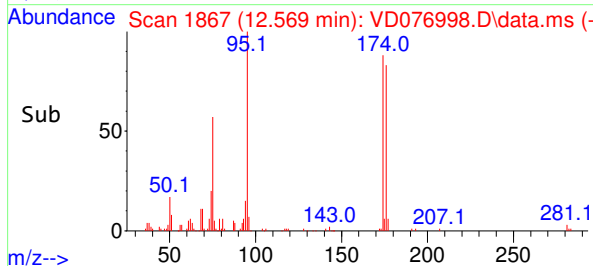
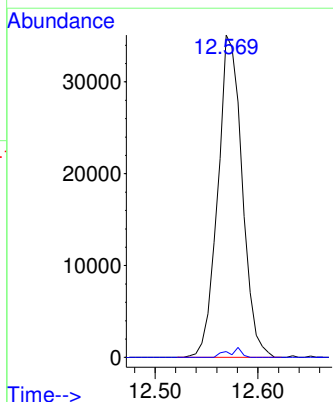
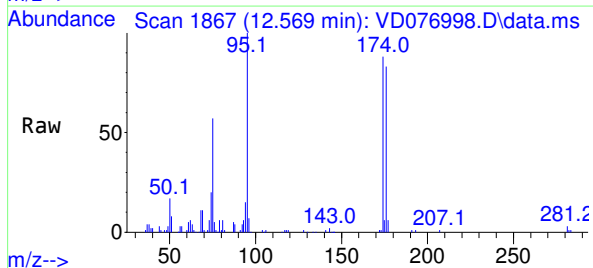




#76
1,2,3-Trichloropropane
Concen: 38.33 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

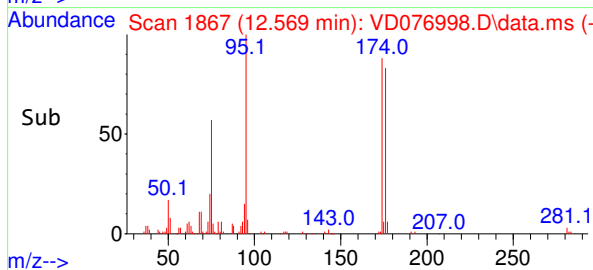
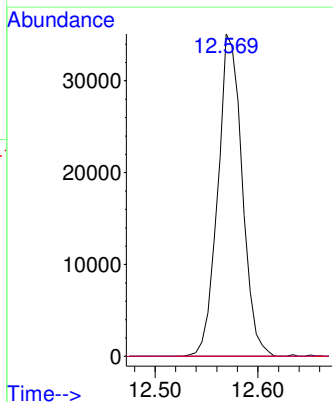
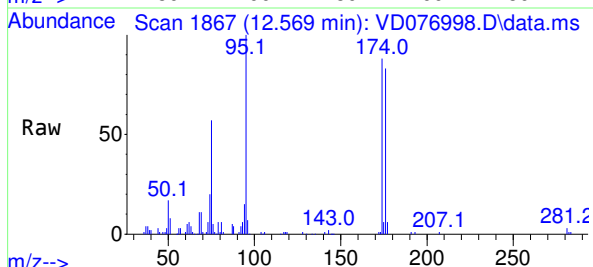
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

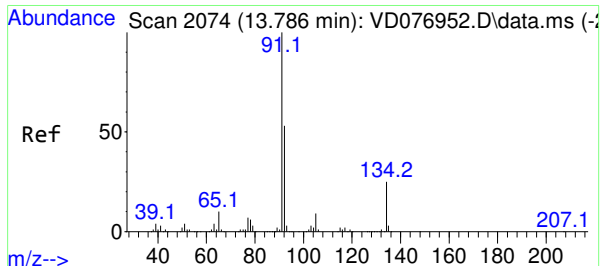
Tgt Ion: 75 Resp: 57974
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.04 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 75 Resp: 57974
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

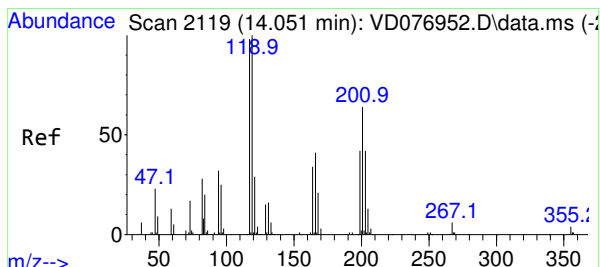
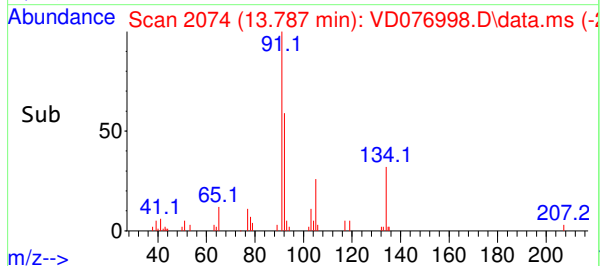
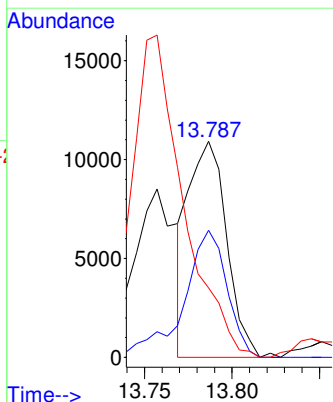
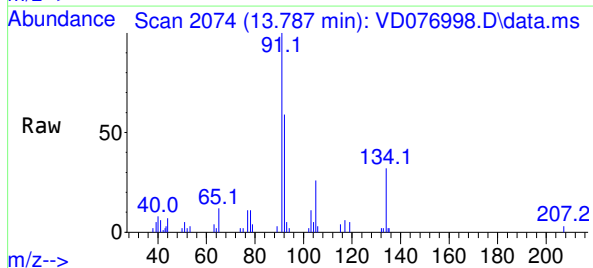




#89
n-Butylbenzene
Concen: 1.84 ug/l
RT: 13.787 min Scan# 2120
Delta R.T. 0.001 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

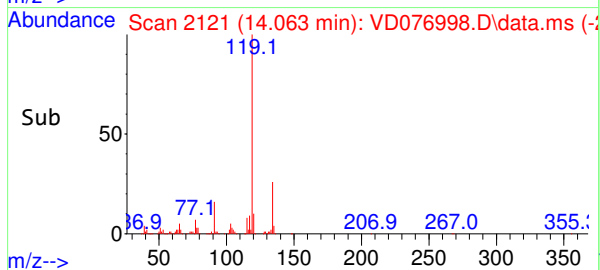
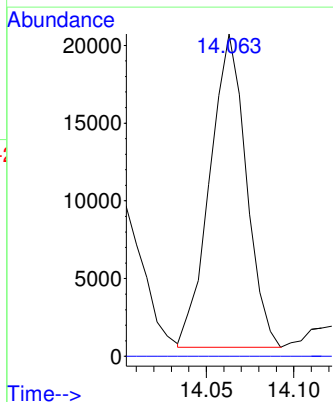
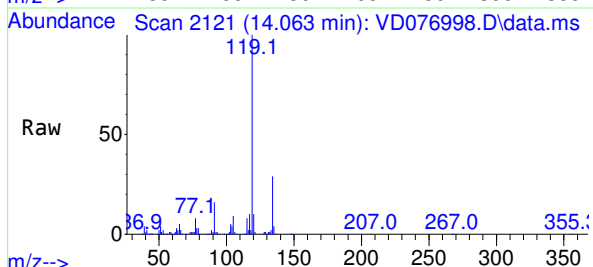
Instrument :
MSVOA_D
ClientSampleId :
DUP-05

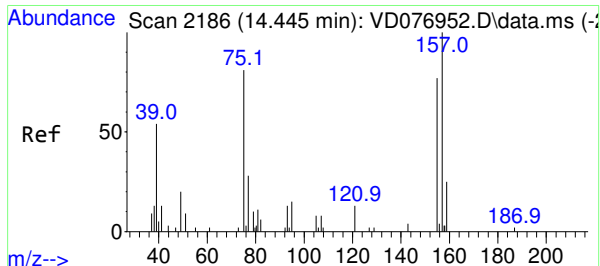
Tgt Ion:	91	Resp:	16487
Ion	Ratio	Lower	Upper
91	100		
92	66.5	26.5	79.5
134	0.0	13.8	41.3#



#90
Hexachloroethane
Concen: 15.31 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.012 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion:	117	Resp:	29161
Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.5	115.5#

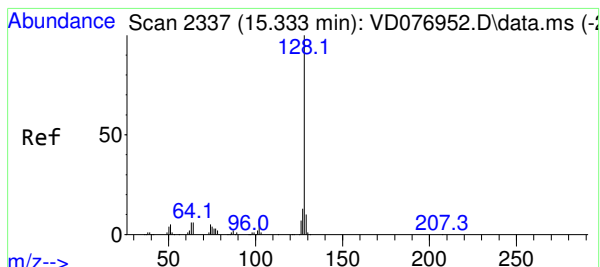
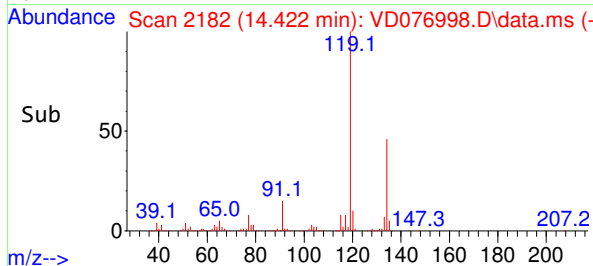
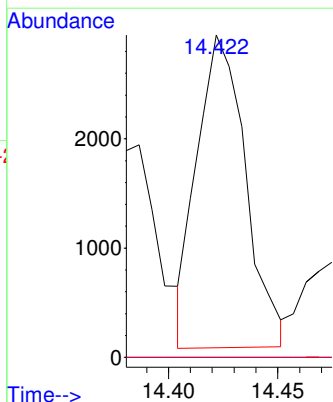
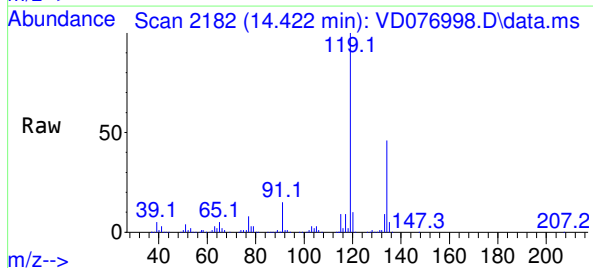




#92
1,2-Dibromo-3-Chloropropane
Concen: 14.49 ug/l
RT: 14.422 min Scan# 2182
Delta R.T. -0.023 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Instrument :
MSVOA_D
ClientSampleId :
DUP-05

Tgt Ion: 75 Resp: 4406
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 79.21 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.001 min
Lab File: VD076998.D
Acq: 14 Aug 2023 13:49

Tgt Ion: 128 Resp: 453697
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.3 8.7 13.1

