

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076234.D
 Acq On : 25 May 2023 15:40
 Operator : KP/SY
 Sample : 02892-10
 Misc : 6.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-32

Quant Time: May 25 17:12:51 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)

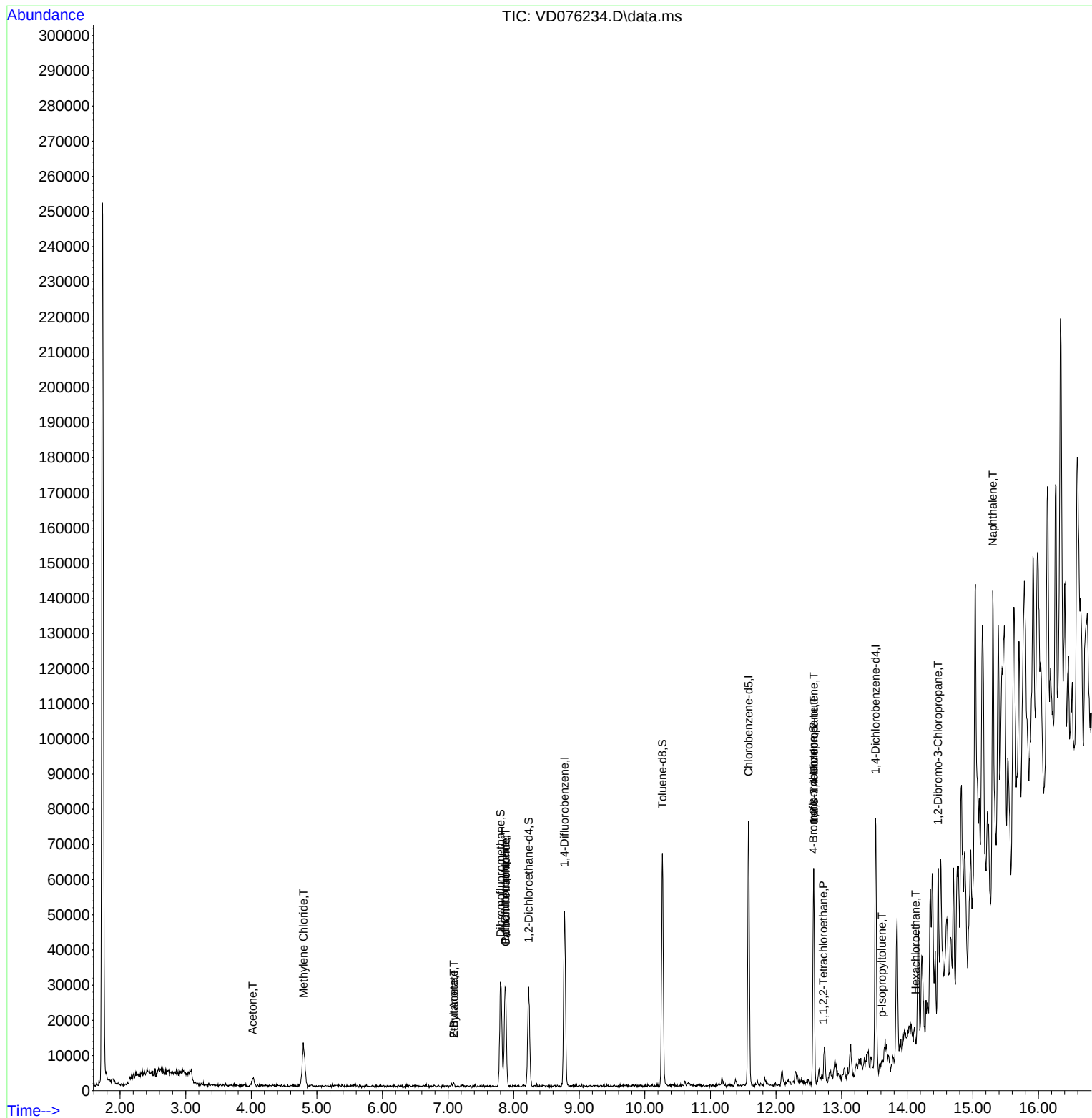
Internal Standards						
1) Pentafluorobenzene	7.875	168	24802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	49275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	48312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	20163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	20646	86.131	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.260%#	
35) Dibromofluoromethane	7.799	113	22223	65.247	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.500%	
50) Toluene-d8	10.269	98	49820	37.522	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 75.040%	
62) 4-Bromofluorobenzene	12.569	95	18880	51.189	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	341	Below Cal	#	40
16) Acetone	4.022	43	3244	68.019	ug/l #	78
20) Methylene Chloride	4.793	84	10071	21.117	ug/l #	77
25) 2-Butanone	7.087	43	700	11.673	ug/l #	81
36) 1,1-Dichloropropene	7.869	75	1967	4.276	ug/l #	42
37) Ethyl Acetate	7.087	43	700	4.395	ug/l #	80
38) Carbon Tetrachloride	7.881	117	2172	5.227	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	12.722	83	860	3.000	ug/l #	24
76) 1,2,3-Trichloropropane	12.575	75	9728	55.134	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	9728	115.662	ug/l #	5
86) p-Isopropyltoluene	13.616	119	1332	1.118	ug/l	89
90) Hexachloroethane	14.128	117	1682	6.862	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.469	75	140	3.761	ug/l #	2
95) Naphthalene	15.304	128	1728	2.520	ug/l #	1

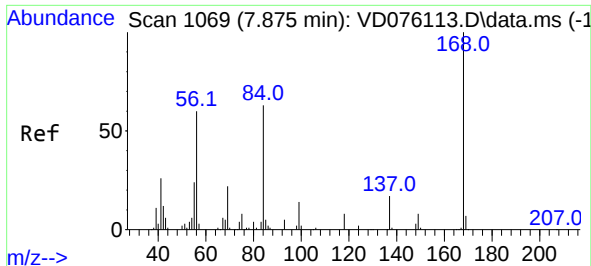
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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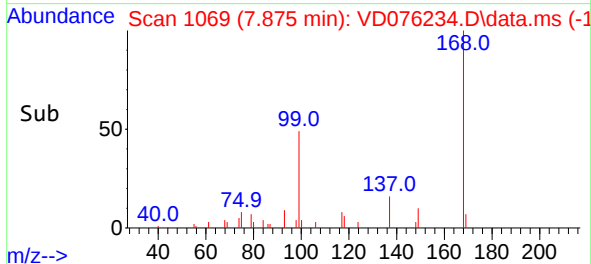
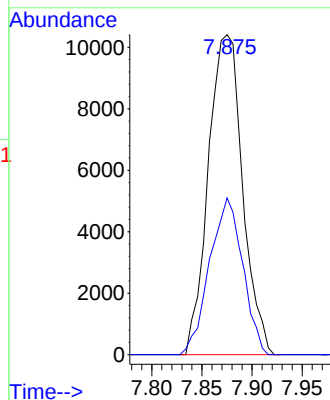
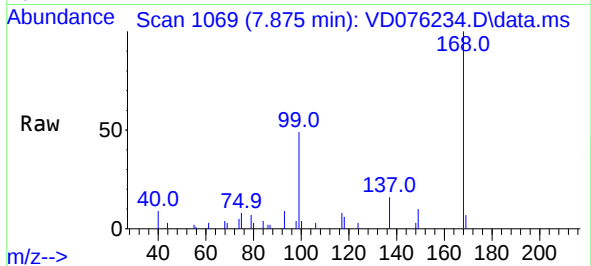




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

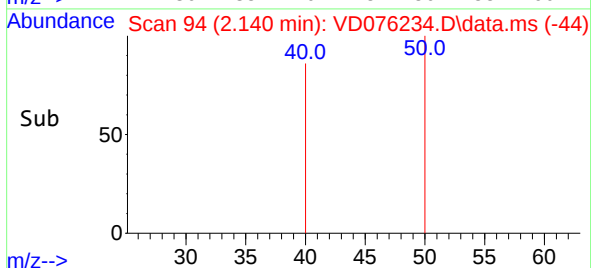
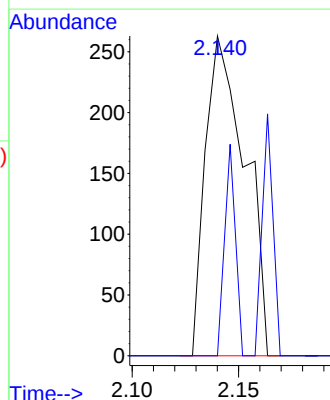
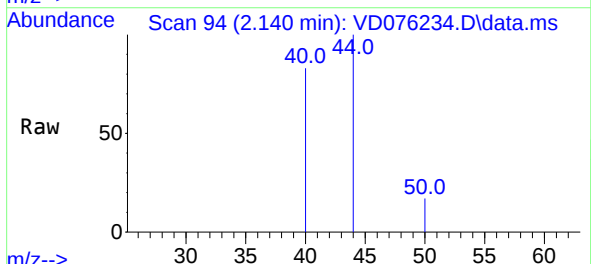
Instrument :
MSVOA_D
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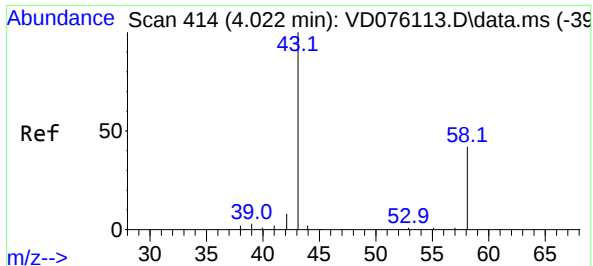
Tgt Ion:168 Resp: 24802
Ion Ratio Lower Upper
168 100
99 49.0 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

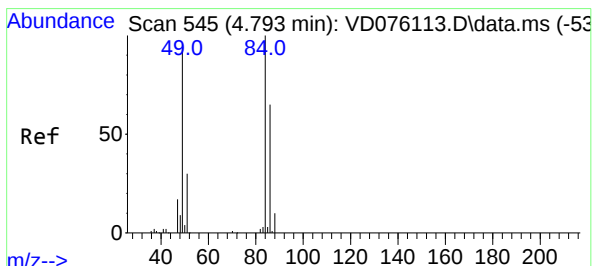
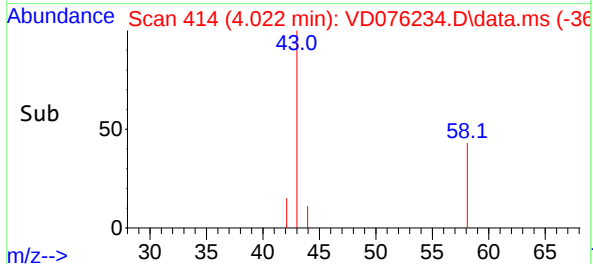
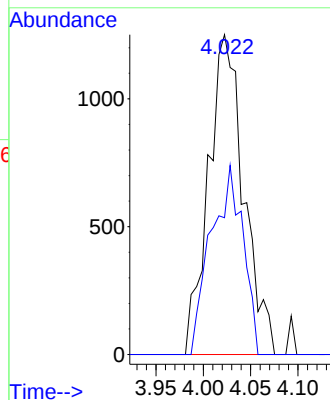
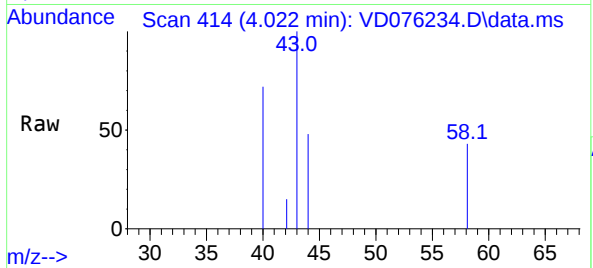




#16
Acetone
Concen: 68.019 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

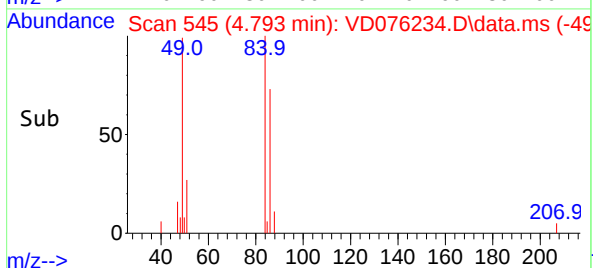
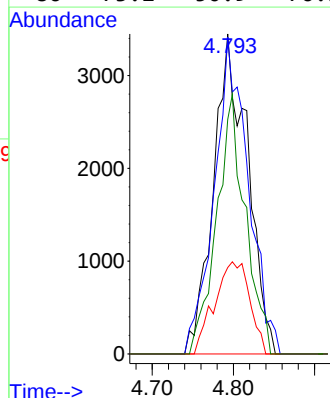
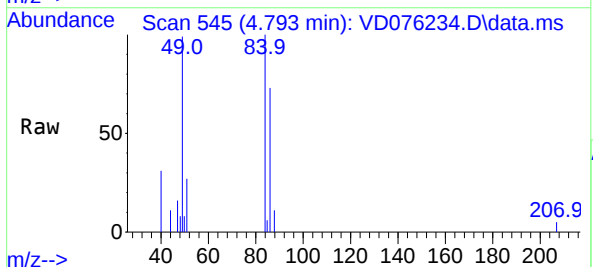
Instrument :
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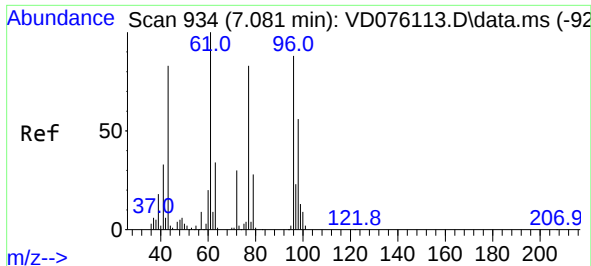
Tgt Ion: 43 Resp: 3244
Ion Ratio Lower Upper
43 100
58 42.8 24.4 36.6#



#20
Methylene Chloride
Concen: 21.117 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 84 Resp: 10071
Ion Ratio Lower Upper
84 100
49 99.0 106.4 159.6#
51 27.0 32.4 48.6#
86 73.2 50.9 76.3

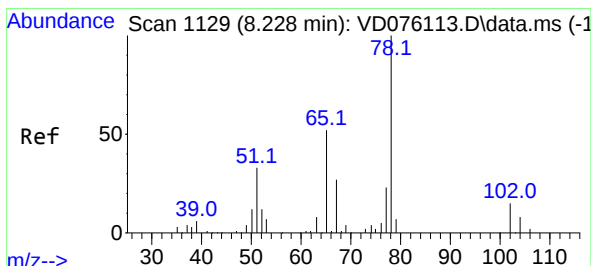
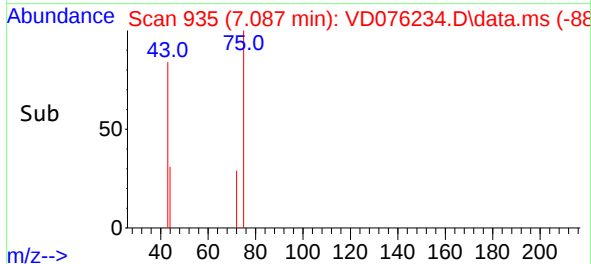
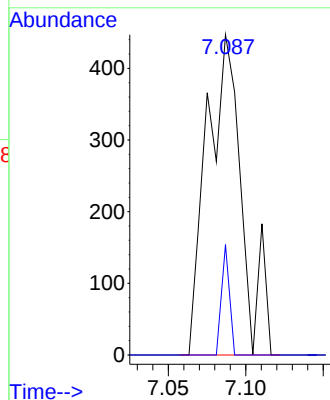
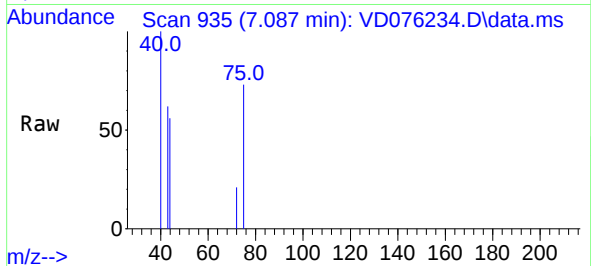




#25
2-Butanone
Concen: 11.673 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

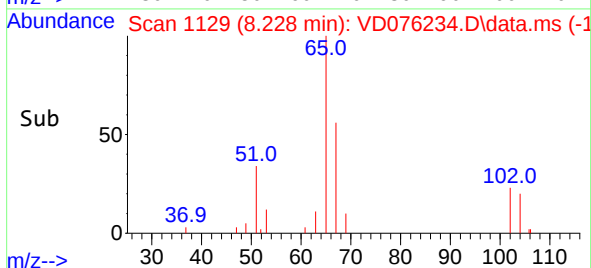
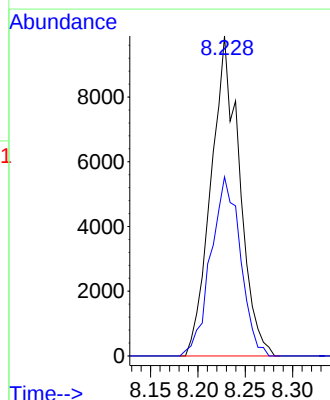
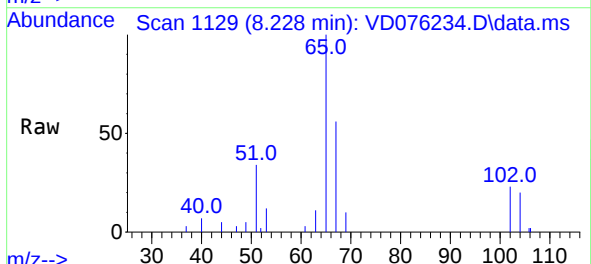
Instrument :
MSVOA_D
ClientSampleId :
TP-32

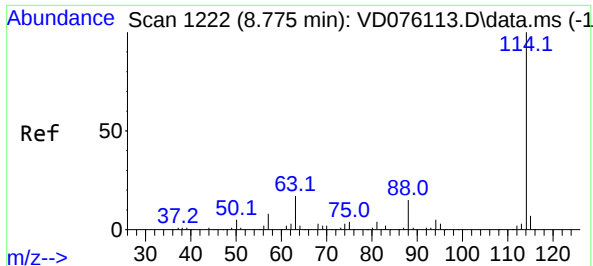
Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
72 34.5 19.8 29.8#



#33
1,2-Dichloroethane-d4
Concen: 86.131 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 65 Resp: 20646
Ion Ratio Lower Upper
65 100
67 58.1 0.0 102.2

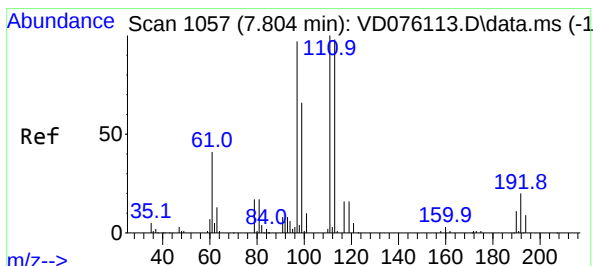
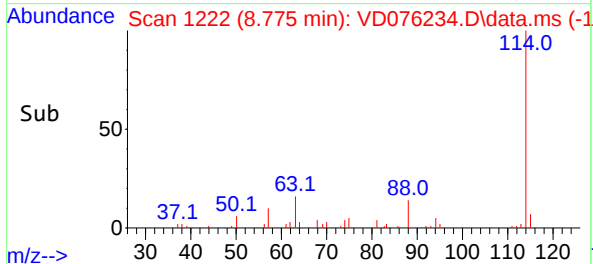
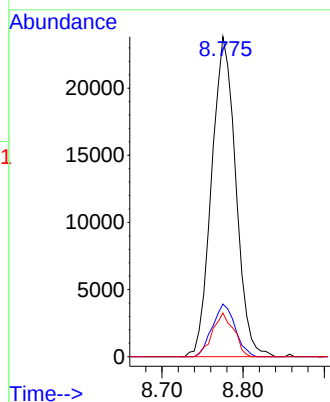
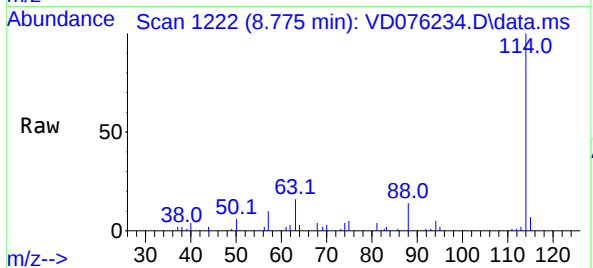




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

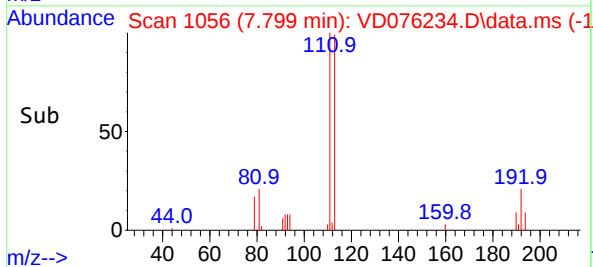
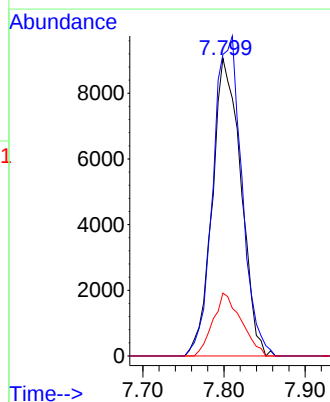
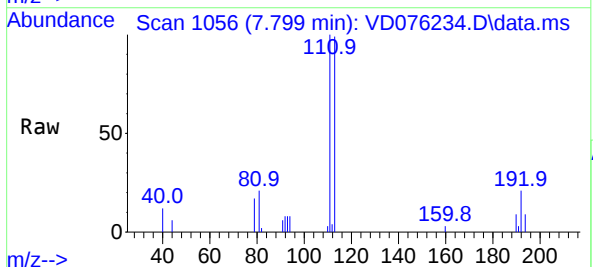
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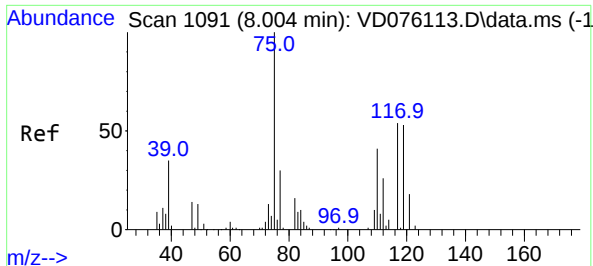
Tgt Ion:	114	Resp:	49275
Ion Ratio	Lower	Upper	
114	100		
63	16.4	0.0	41.6
88	13.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 65.247 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion:	113	Resp:	22223
Ion Ratio	Lower	Upper	
113	100		
111	107.5	81.4	122.0
192	20.8	15.2	22.8

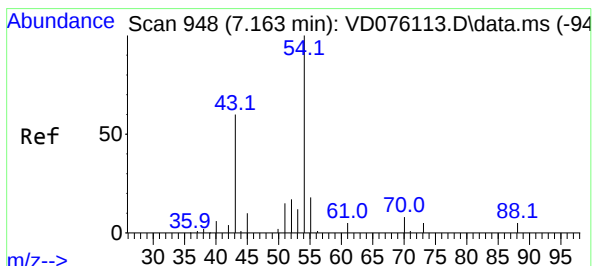
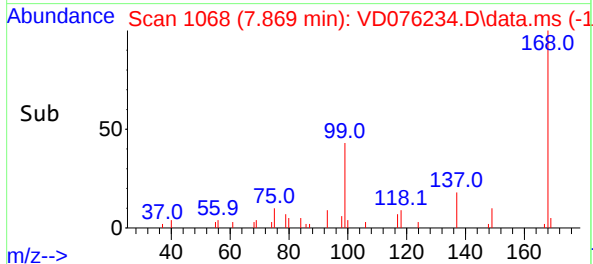
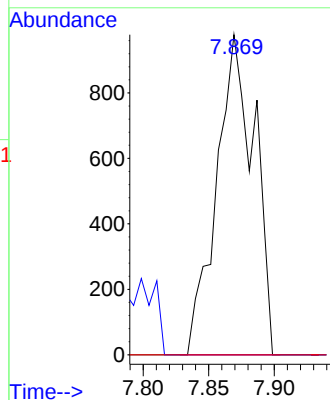
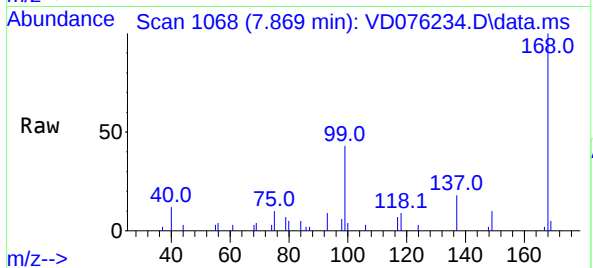




#36
1,1-Dichloropropene
Concen: 4.276 ug/l
RT: 7.869 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

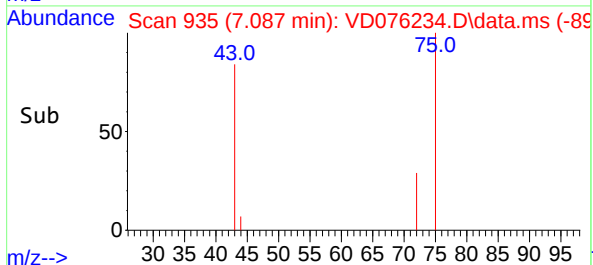
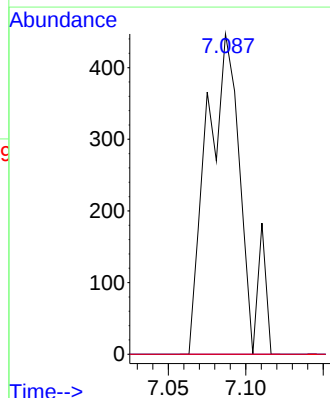
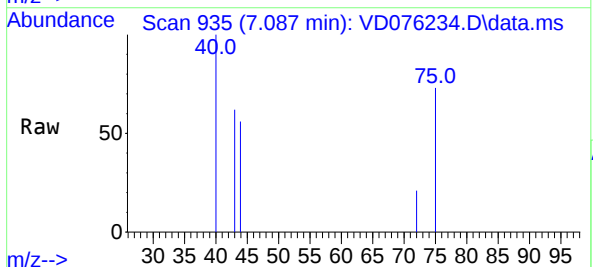
Instrument :
MSVOA_D
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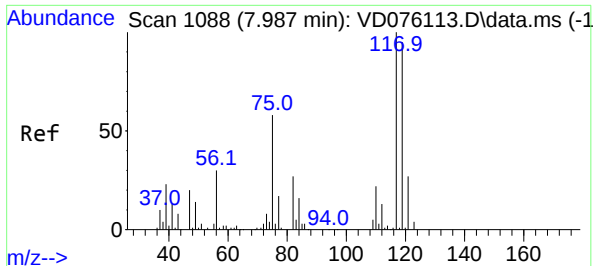
Tgt Ion: 75 Resp: 1967
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 4.395 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 5.6 8.4#

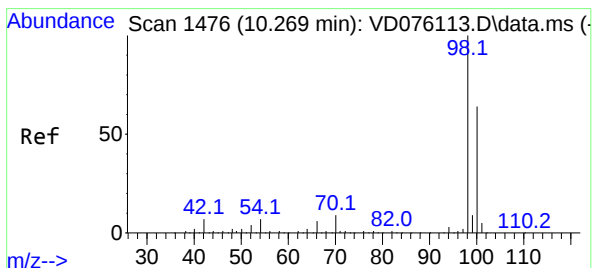
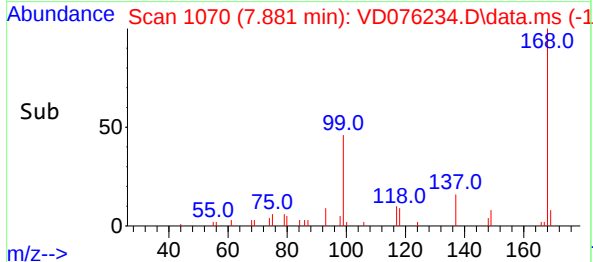
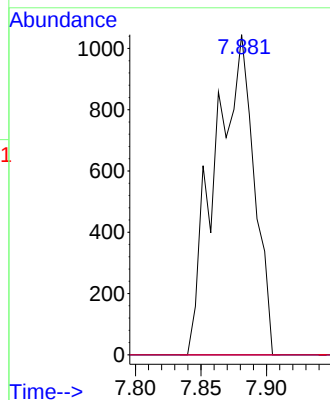
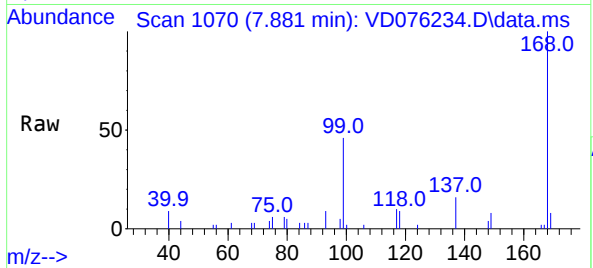




#38
Carbon Tetrachloride
Concen: 5.227 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

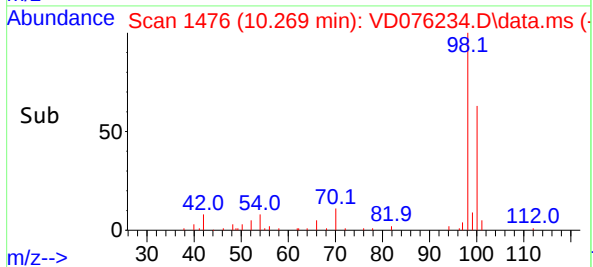
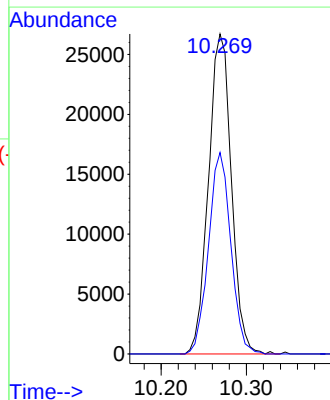
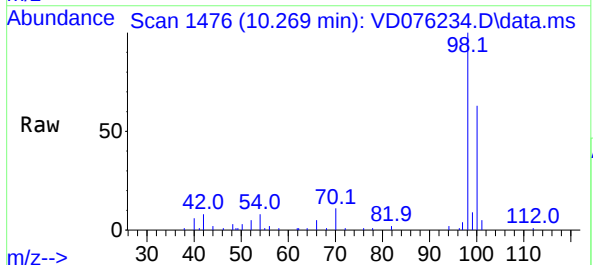
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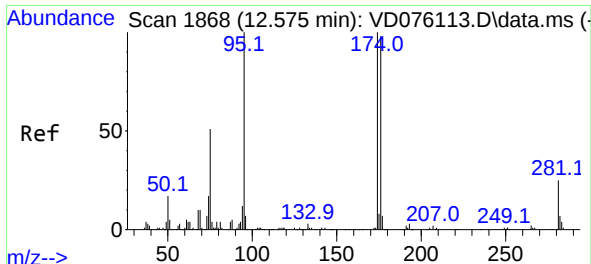
Tgt Ion:117 Resp: 2172
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 37.522 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 98 Resp: 49820
Ion Ratio Lower Upper
98 100
100 61.4 52.1 78.1

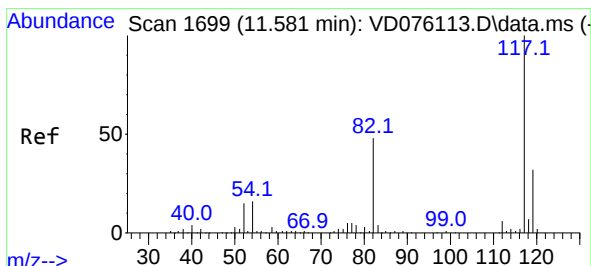
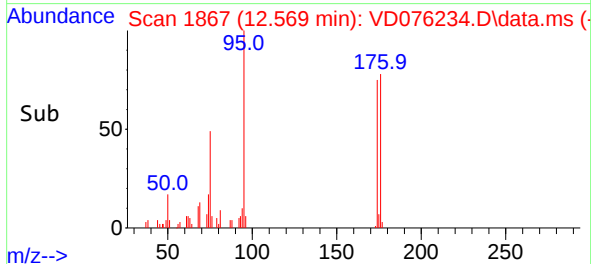
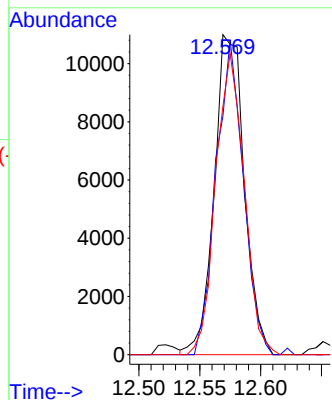
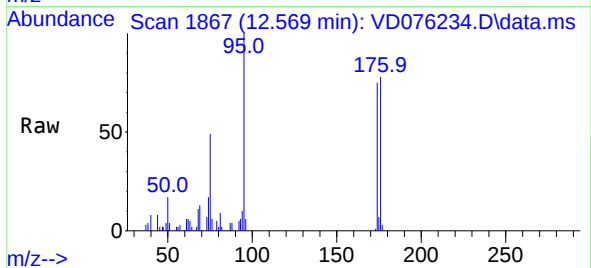




#62
4-Bromofluorobenzene
Concen: 51.189 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

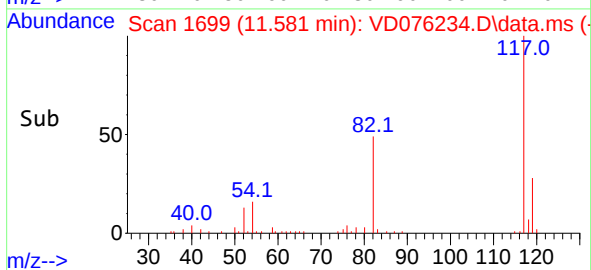
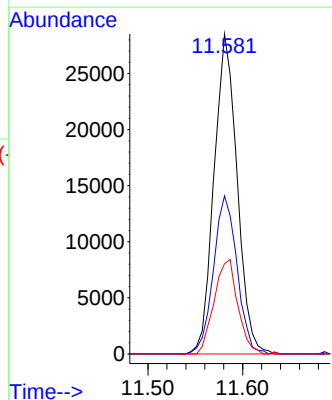
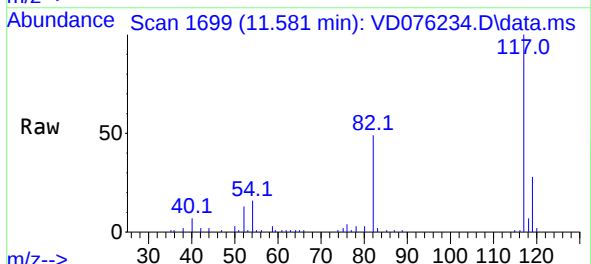
Instrument :
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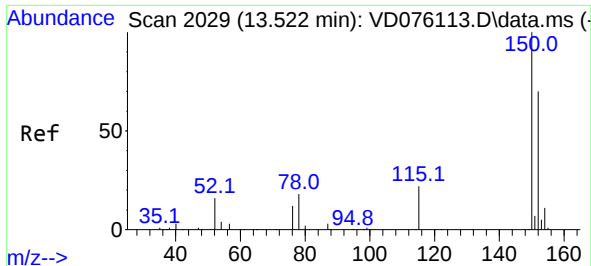
Tgt Ion:	95	Resp:	18880
Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	164.0
176	89.1	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion:	117	Resp:	48312
Ion	Ratio	Lower	Upper
117	100		
82	49.4	44.0	66.0
119	28.2	25.1	37.7

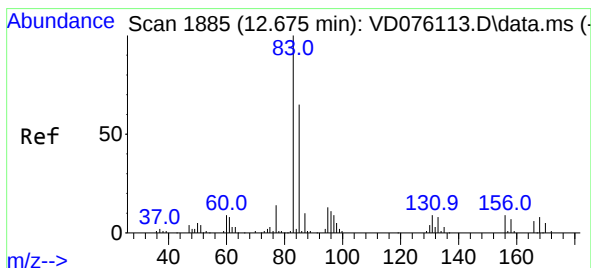
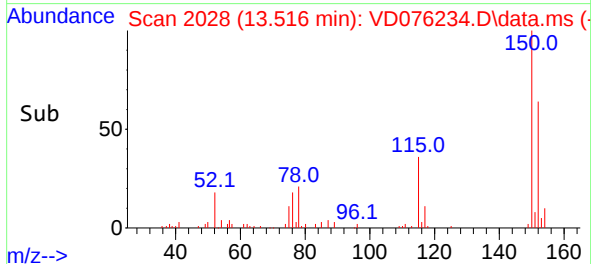
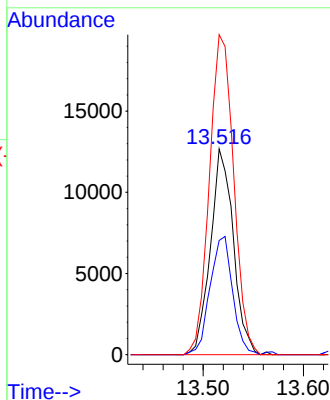
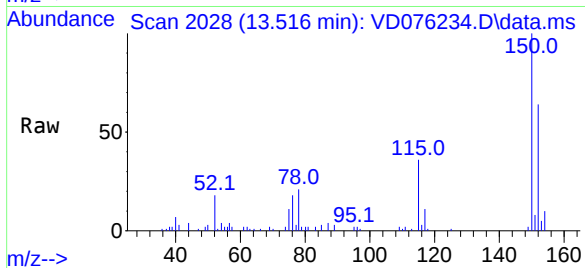




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20163
Delta R.T. -0.006 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

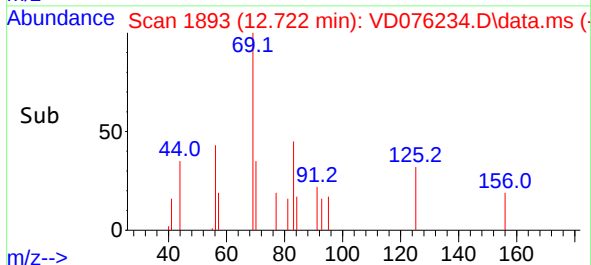
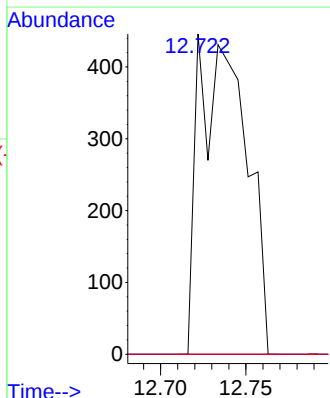
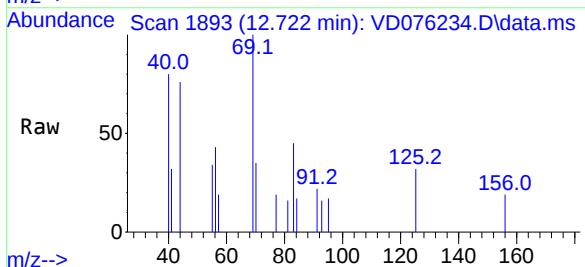
Instrument :
MSVOA_D
ClientSampleId :
TP-32

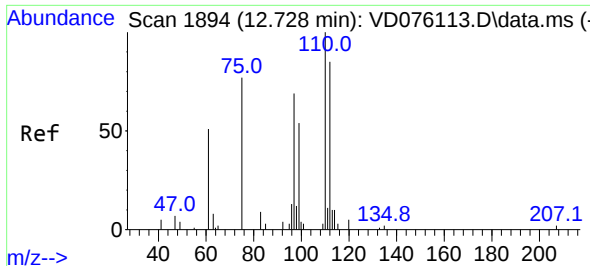
Tgt Ion:152 Resp: 20163
Ion Ratio Lower Upper
152 100
115 56.6 30.1 90.3
150 164.7 0.0 364.8



#75
1,1,2,2-Tetrachloroethane
Concen: 3.000 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.047 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 83 Resp: 860
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.2#
85 0.0 33.6 100.6#

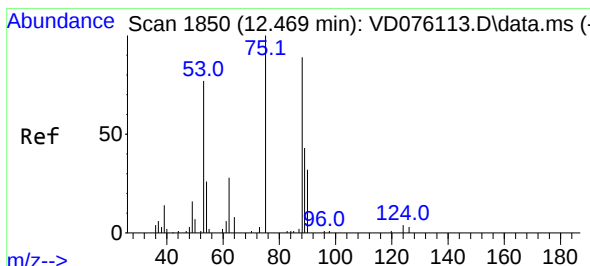
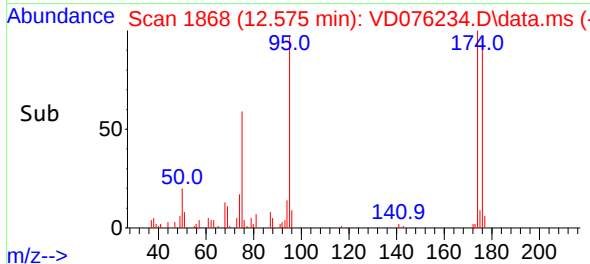
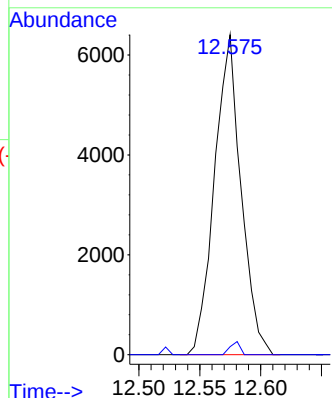
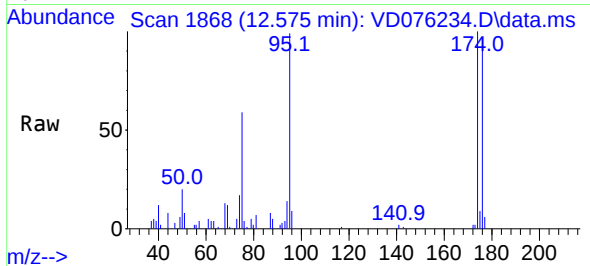




#76
1,2,3-Trichloropropane
Concen: 55.134 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

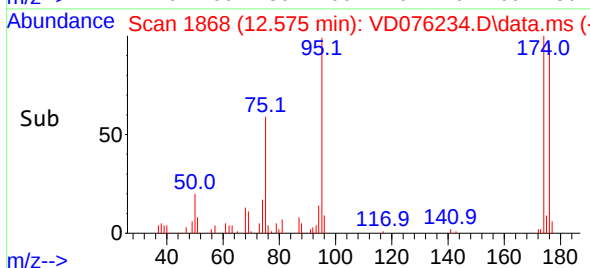
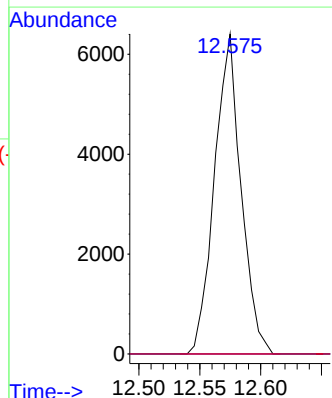
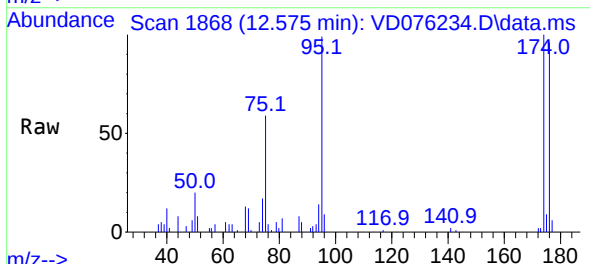
Instrument :
MSVOA_D
ClientSampleId :
TP-32

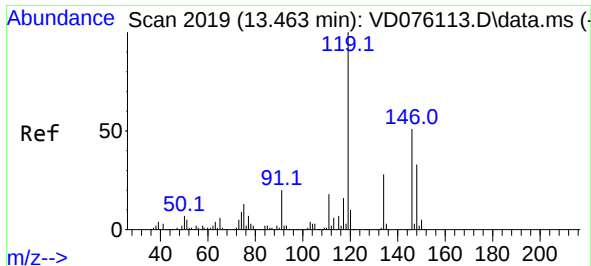
Tgt Ion: 75 Resp: 9728
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.662 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 75 Resp: 9728
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

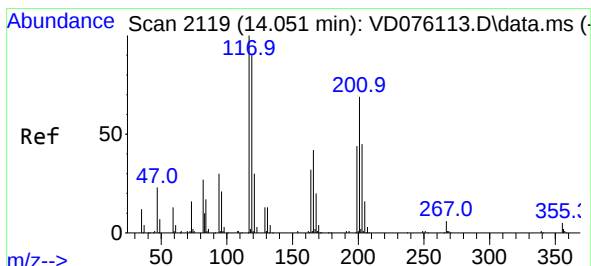
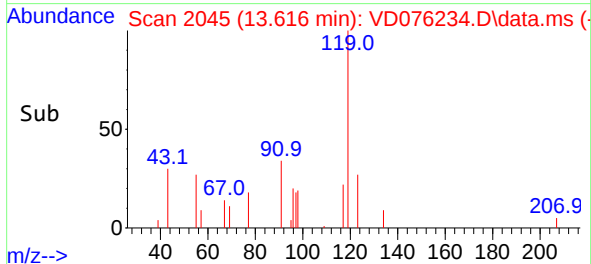
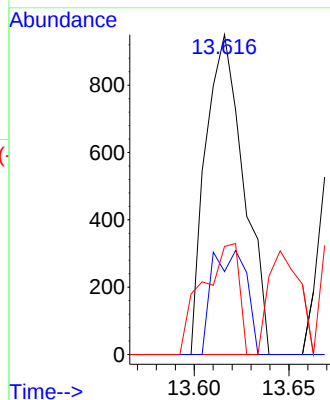
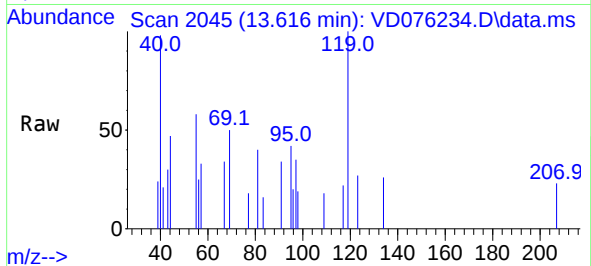




#86
p-Isopropyltoluene
Concen: 1.118 ug/l
RT: 13.616 min Scan# 2019
Delta R.T. 0.153 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

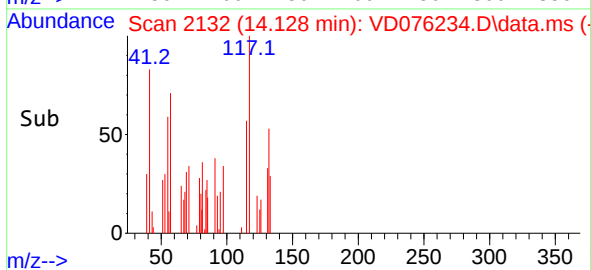
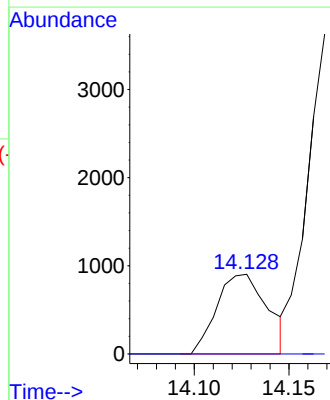
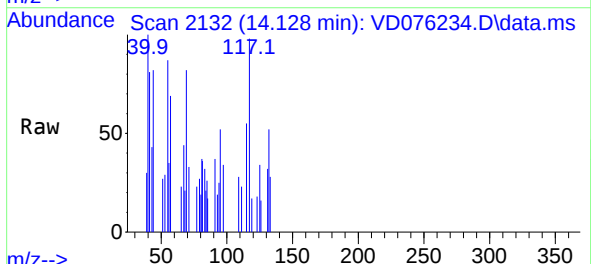
Instrument :
MSVOA_D
ClientSampleId :
TP-32

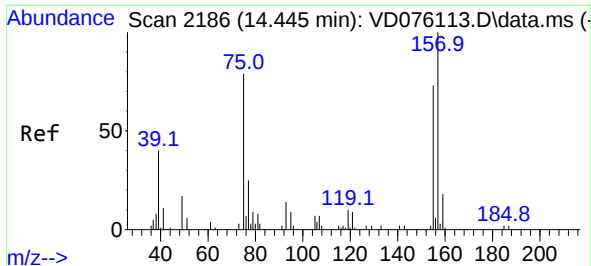
Tgt Ion:	119	Resp:	1332
Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.1	39.3
91	33.2	12.4	37.4



#90
Hexachloroethane
Concen: 6.862 ug/l
RT: 14.128 min Scan# 2132
Delta R.T. 0.071 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion:	117	Resp:	1682
Ion	Ratio	Lower	Upper
117	100		
201	0.0	34.5	103.6

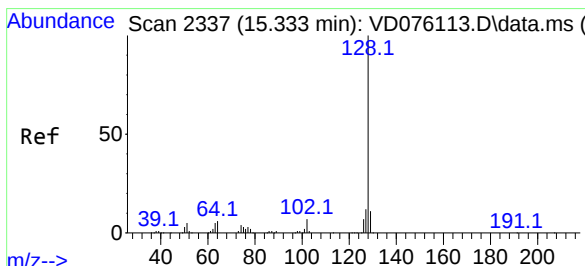
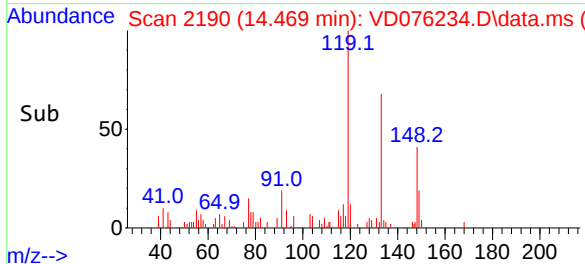
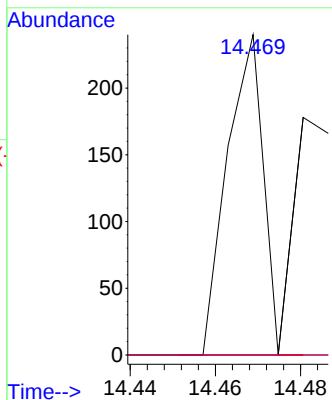
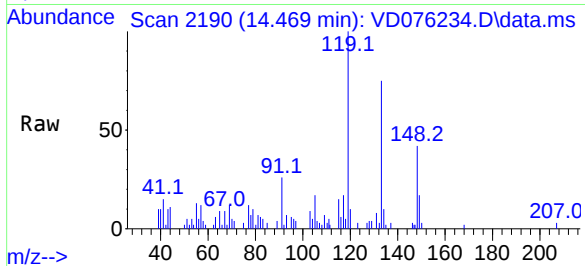




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.761 ug/l
RT: 14.469 min Scan# 2186
Delta R.T. 0.018 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Instrument :
MSVOA_D
ClientSampleId :
TP-32

Tgt Ion: 75 Resp: 140
Ion Ratio Lower Upper
75 100
155 0.0 39.5 118.5#
157 0.0 53.5 160.7#



#95
Naphthalene
Concen: 2.520 ug/l
RT: 15.304 min Scan# 2332
Delta R.T. -0.030 min
Lab File: VD076234.D
Acq: 25 May 2023 15:40

Tgt Ion: 128 Resp: 1728
Ion Ratio Lower Upper
128 100
127 133.7 10.4 15.6#
129 93.5 8.8 13.2#

