

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076126.D
 Acq On : 06 Jan 2023 12:12
 Operator : JC\MD
 Sample : 01049-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-010523

Quant Time: Jan 06 22:54:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

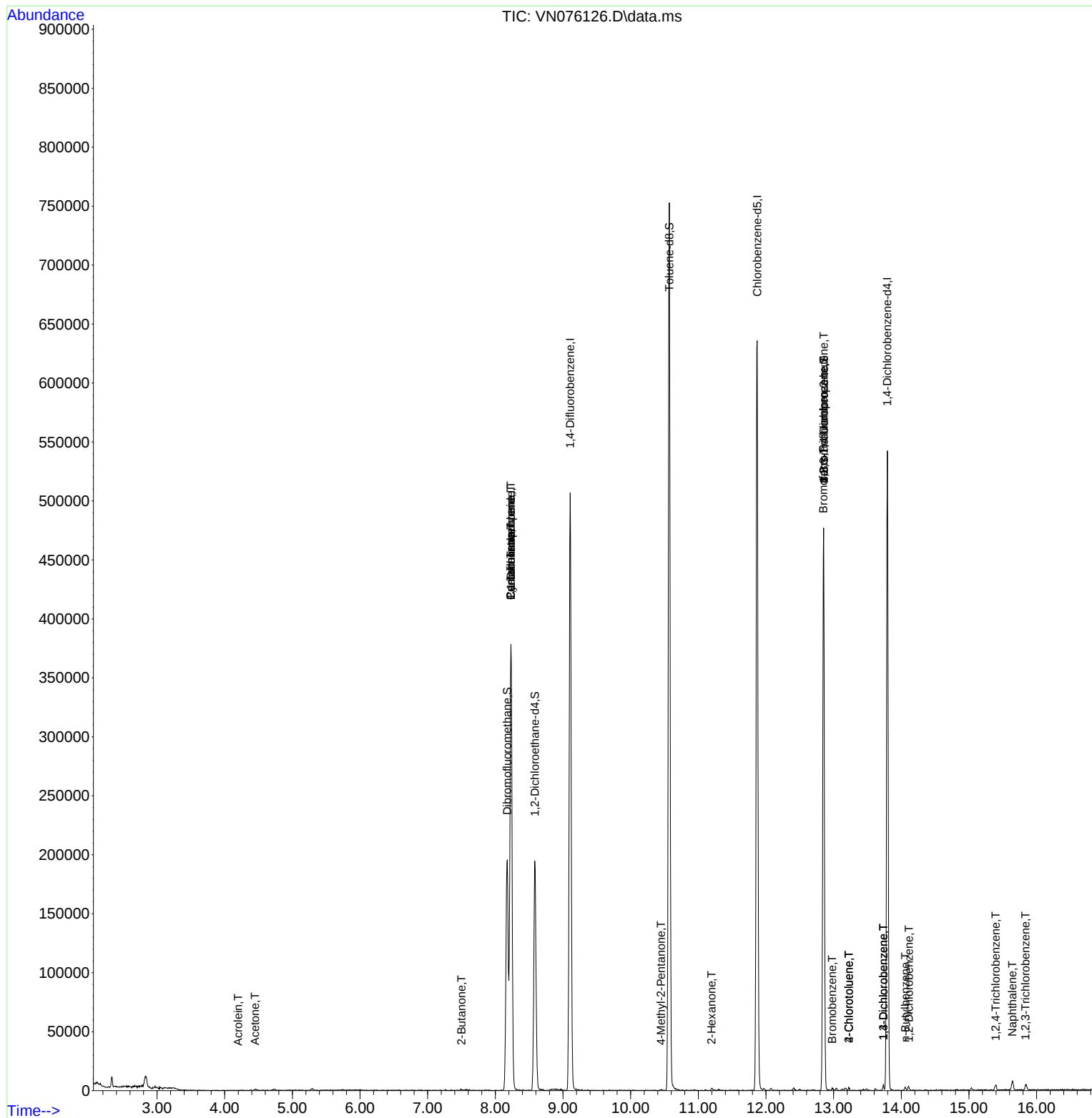
Internal Standards						
1) Pentafluorobenzene	8.230	168	296773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	465701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	394531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	155550	48.179	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.360%
35) Dibromofluoromethane	8.177	113	141741	49.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.300%
50) Toluene-d8	10.571	98	534736	49.591	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.853	95	156839	43.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.820%
Target Compounds						
					Qvalue	
13) Acrolein	4.200	56	211	0.377	ug/l #	16
16) Acetone	4.447	43	1603	1.440	ug/l #	39
20) Methylene Chloride	5.271	84	303	Below Cal	#	49
25) 2-Butanone	7.500	43	803	0.515	ug/l #	40
31) Cyclohexane	8.230	56	5562	1.203	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	21648	5.651	ug/l #	44
38) Carbon Tetrachloride	8.230	117	29466	6.872	ug/l #	18
51) 4-Methyl-2-Pentanone	10.447	43	685	0.223	ug/l #	32
59) 2-Hexanone	11.194	43	1767	0.789	ug/l #	53
71) Bromoform	12.847	173	1342	0.615	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81534	26.405	ug/l #	1
77) Bromobenzene	12.976	156	567	0.202	ug/l	83
79) 2-Chlorotoluene	13.223	91	1558	0.204	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.853	75	81534	95.046	ug/l #	12
82) 4-Chlorotoluene	13.223	91	1558	0.204	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	1699	0.328	ug/l	86
88) 1,4-Dichlorobenzene	13.735	146	1699	0.321	ug/l	86
89) n-Butylbenzene	14.059	91	2022	0.266	ug/l	97
91) 1,2-Dichlorobenzene	14.111	146	1556	0.305	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	2410	0.955	ug/l	81
95) Naphthalene	15.641	128	8258	3.125	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	2381	1.009	ug/l	92

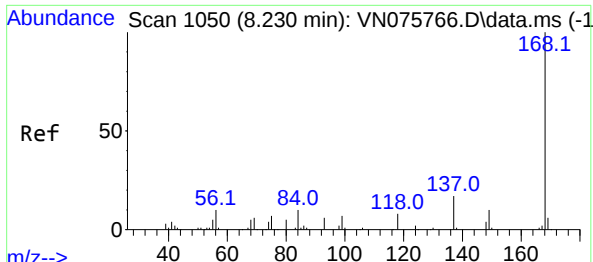
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076126.D

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Instrument :

MSVOA_N

ClientSampleId :

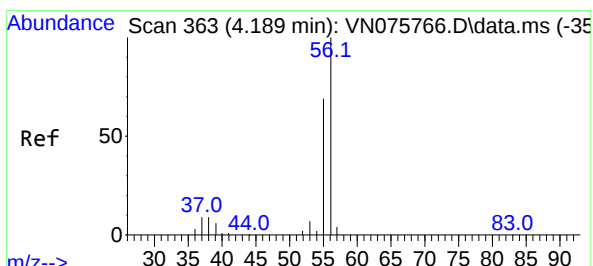
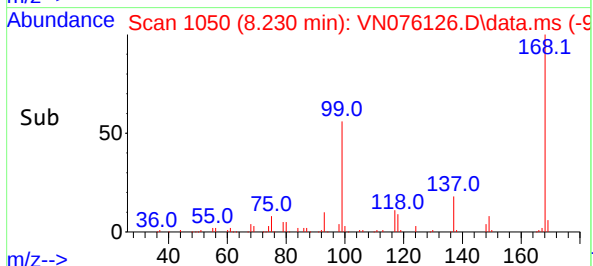
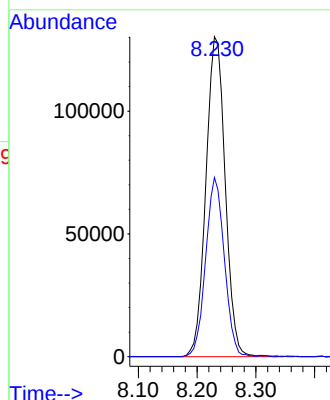
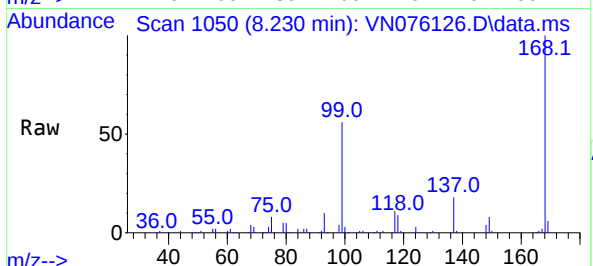
TB-01-010523

Tgt Ion:168 Resp: 296773

Ion Ratio Lower Upper

168 100

99 56.0 44.2 66.4



#13

Acrolein

Concen: 0.377 ug/l

RT: 4.200 min Scan# 365

Delta R.T. 0.012 min

Lab File: VN076126.D

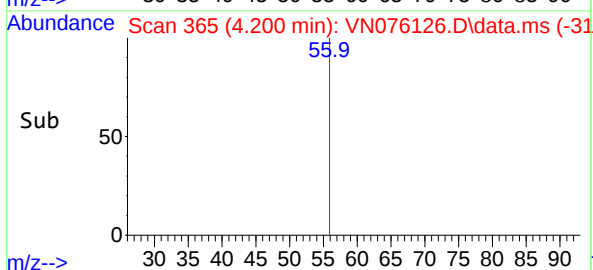
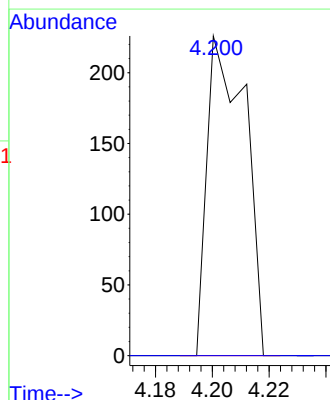
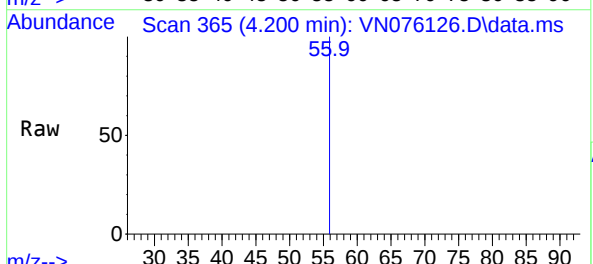
Acq: 06 Jan 2023 12:12

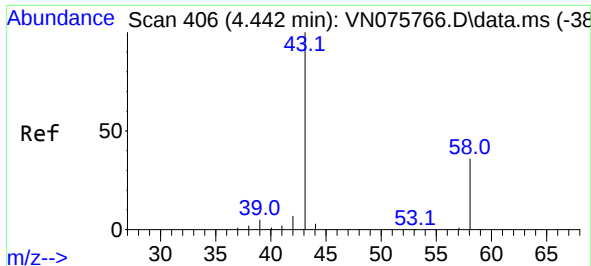
Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#

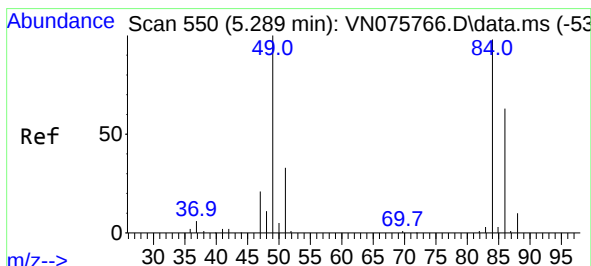
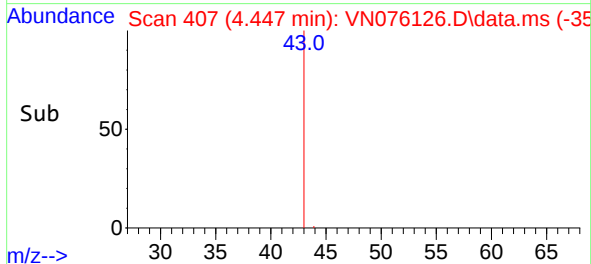
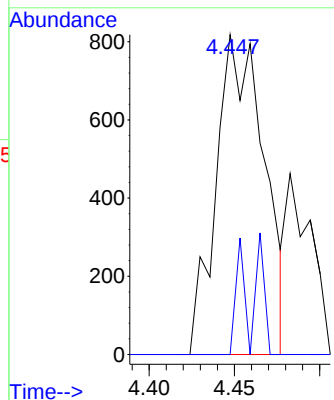
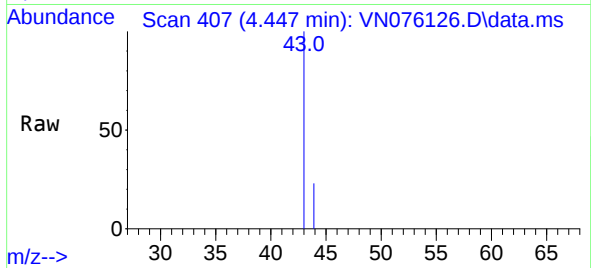




#16
Acetone
Concen: 1.440 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

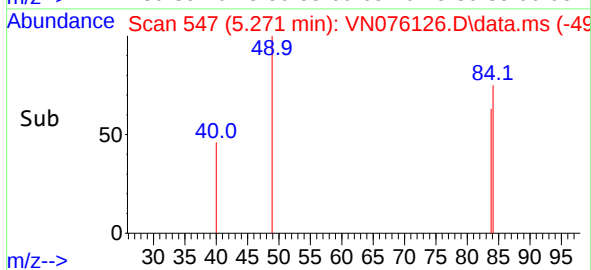
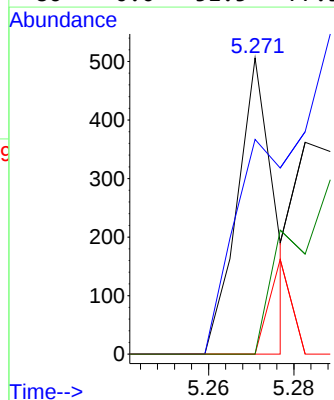
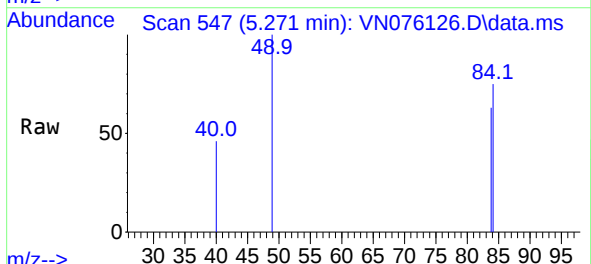
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TB-01-010523

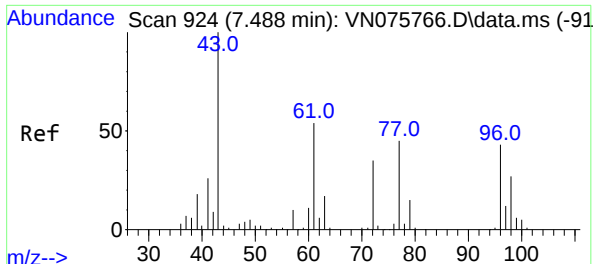
Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 547
Delta R.T. -0.018 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 84 Resp: 303
Ion Ratio Lower Upper
84 100
49 72.5 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#

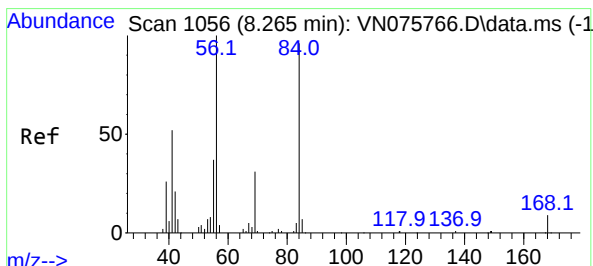
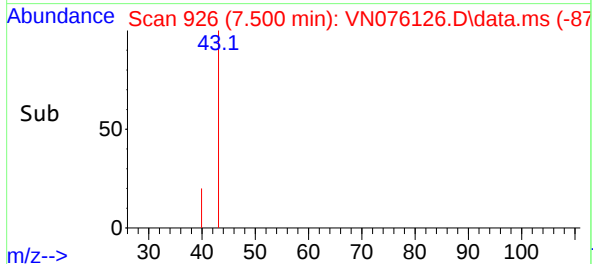
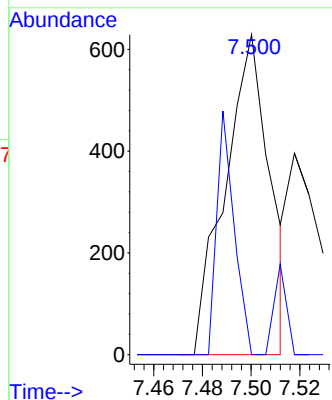
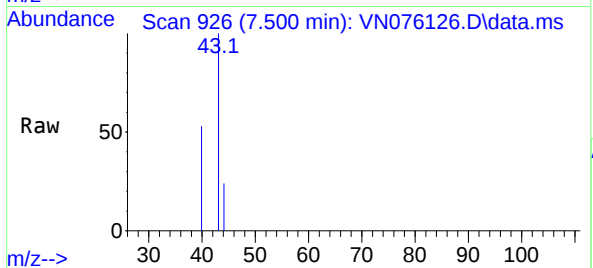




#25
2-Butanone
Concen: 0.515 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

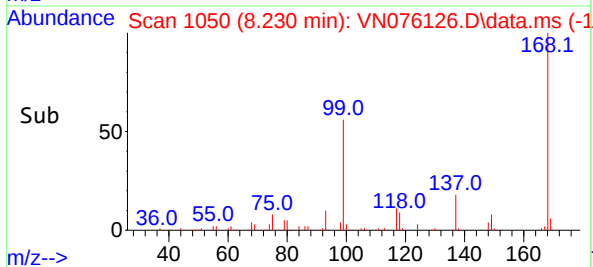
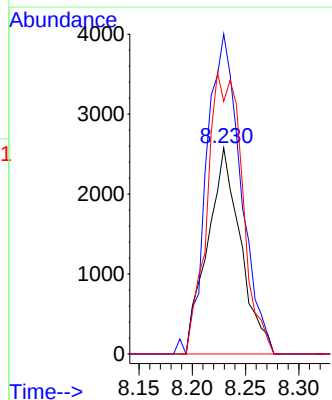
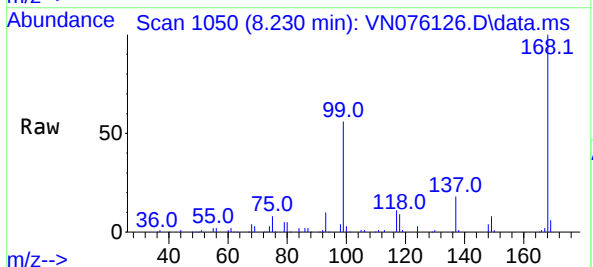
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

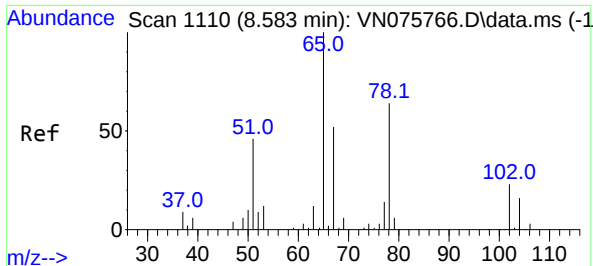
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 56 Resp: 5562
Ion Ratio Lower Upper
56 100
69 155.2 24.7 37.1#
84 122.5 76.5 114.7#

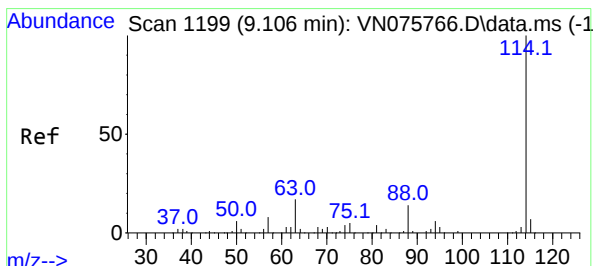
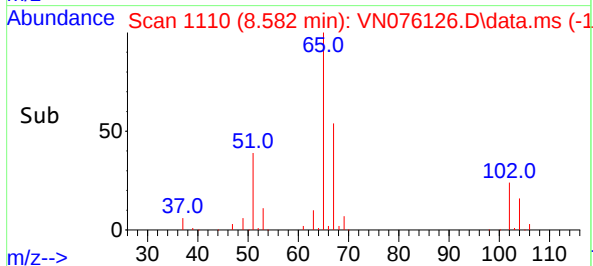
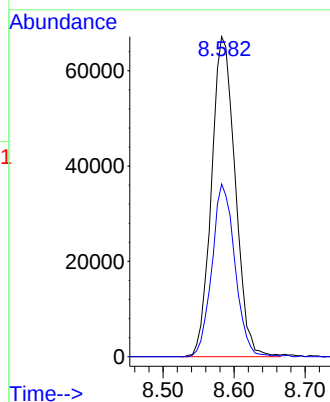
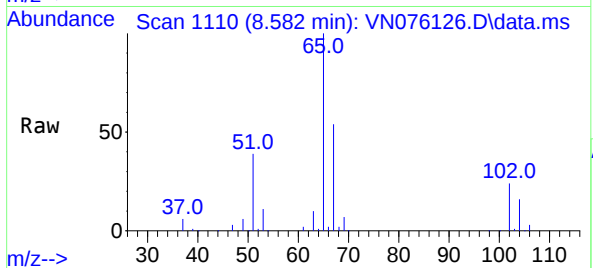




#33
1,2-Dichloroethane-d4
Concen: 48.179 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

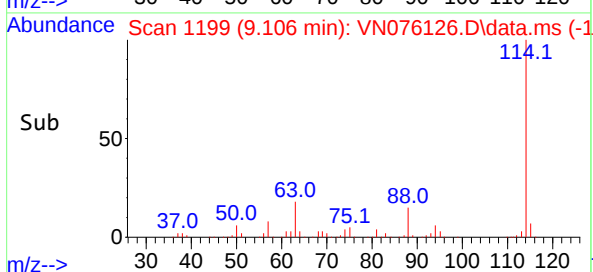
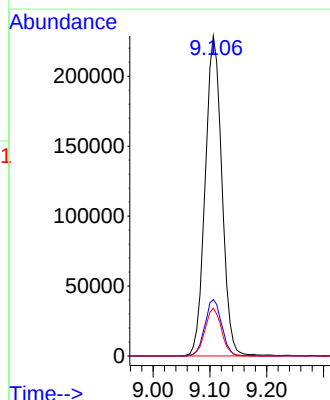
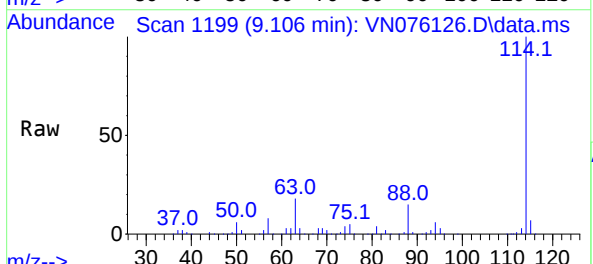
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

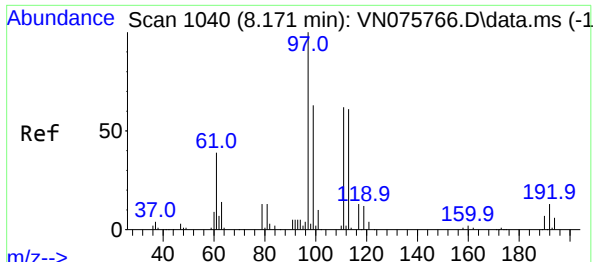
Tgt Ion: 65 Resp: 155550
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

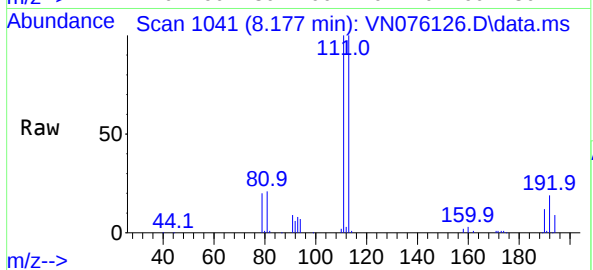
Tgt Ion: 114 Resp: 465701
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 15.0 0.0 28.8



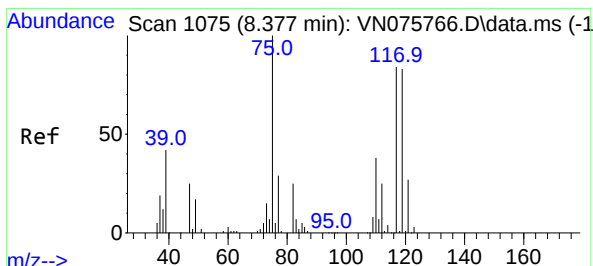
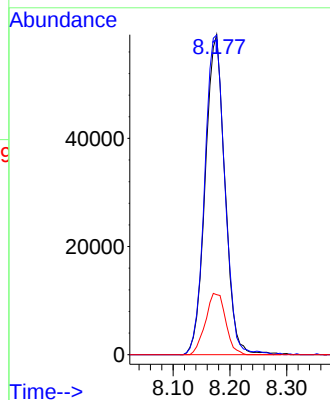
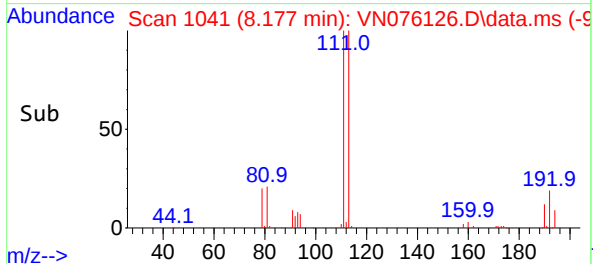


#35
Dibromofluoromethane
Concen: 49.147 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

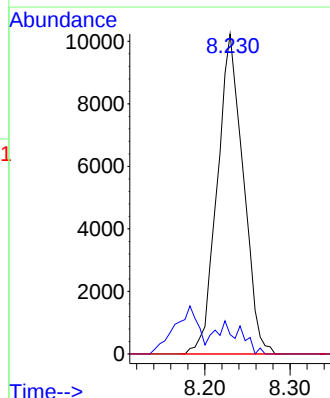
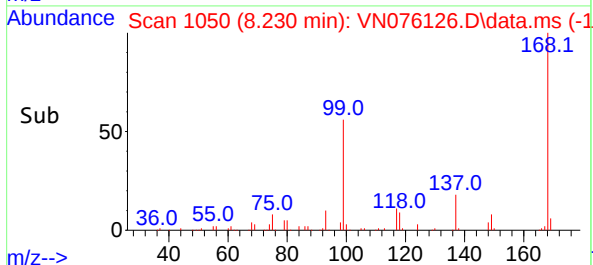
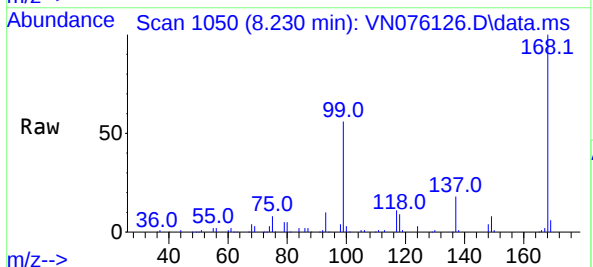


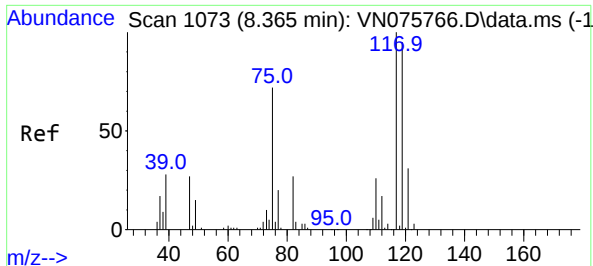
Tgt Ion:113 Resp: 141741
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 19.7 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.651 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

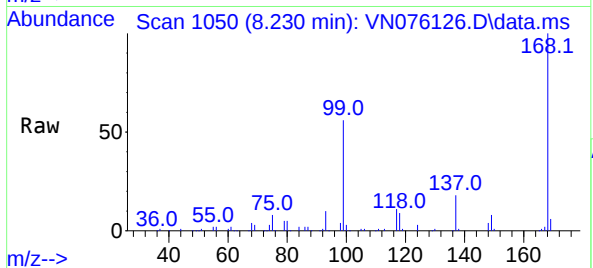
Tgt Ion: 75 Resp: 21648
Ion Ratio Lower Upper
75 100
110 3.9 18.8 56.4#
77 0.0 24.1 36.1#



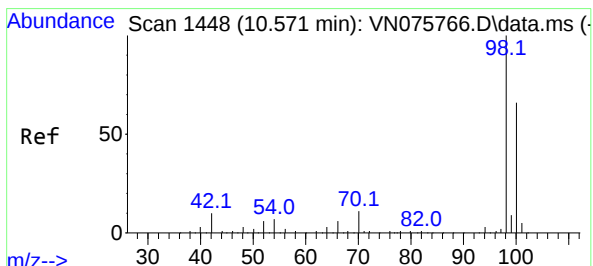
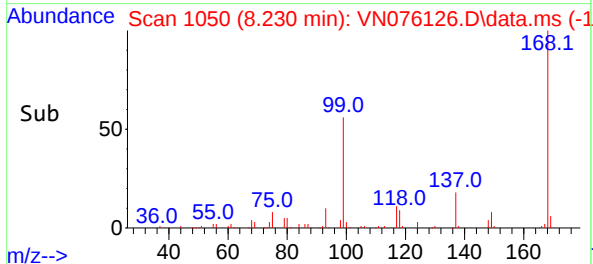
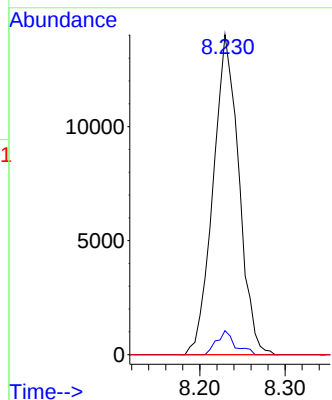


#38
Carbon Tetrachloride
Concen: 6.872 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

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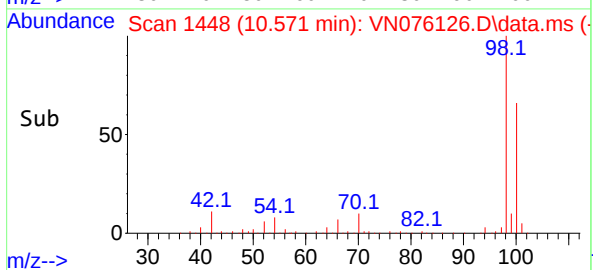
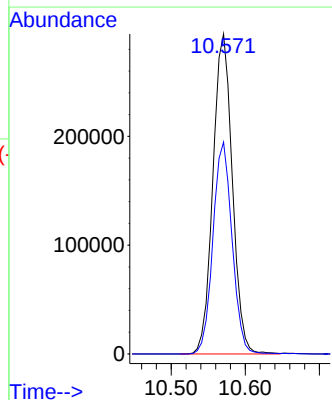
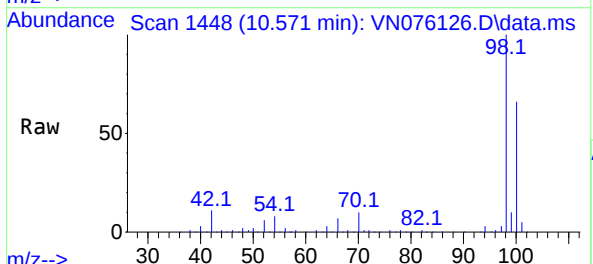


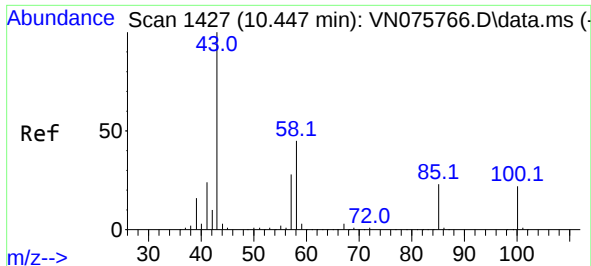
Tgt Ion:117 Resp: 29466
Ion Ratio Lower Upper
117 100
119 7.5 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 98 Resp: 534736
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

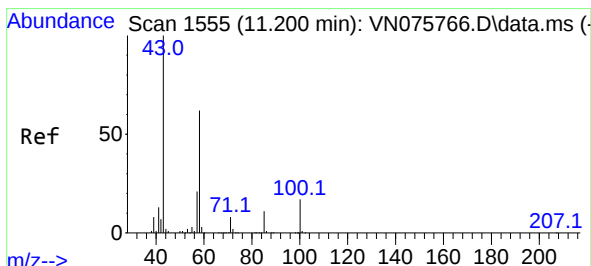
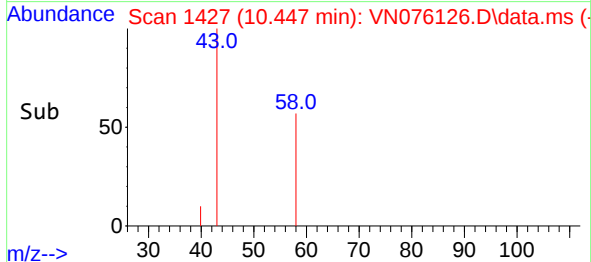
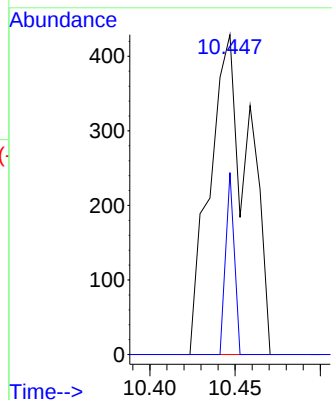
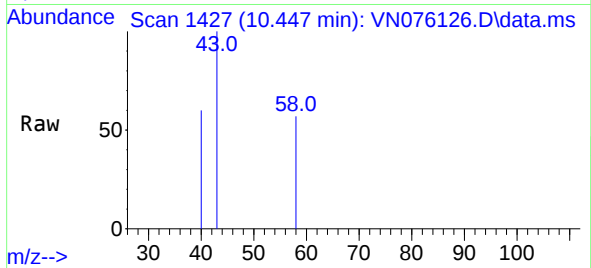




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

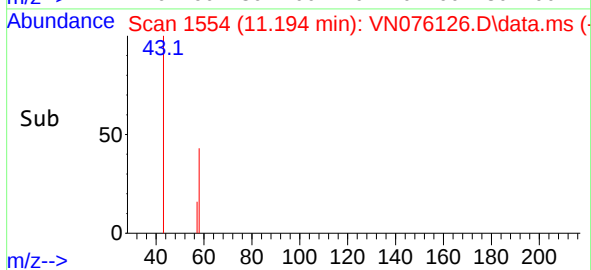
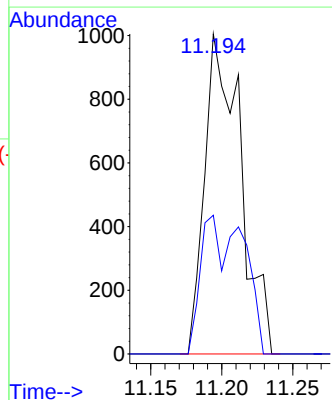
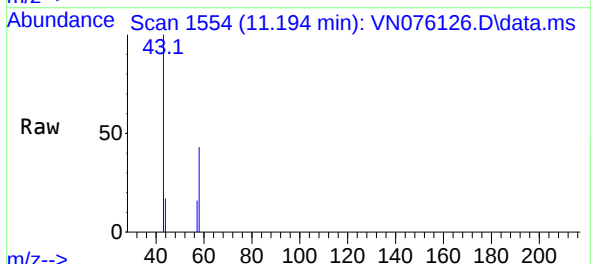
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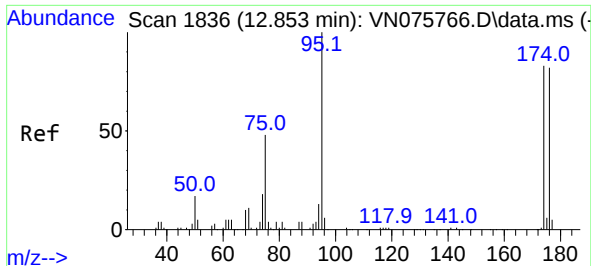
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 35.5 53.3#



#59
2-Hexanone
Concen: 0.789 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 43 Resp: 1767
Ion Ratio Lower Upper
43 100
58 25.3 30.6 92.0#

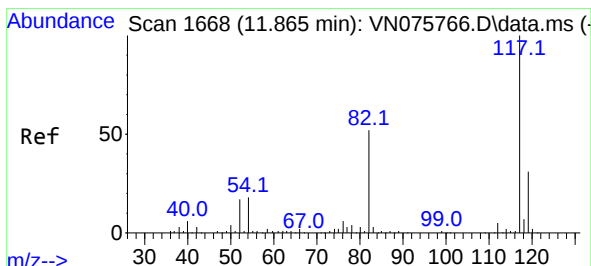
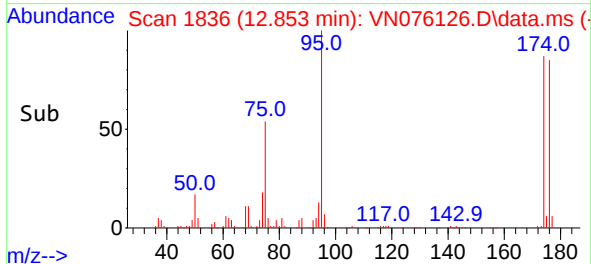
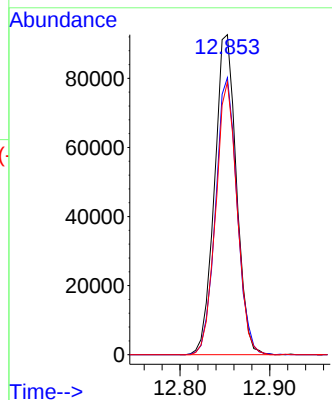
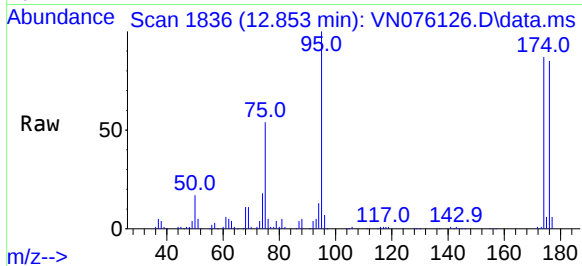




#62
4-Bromofluorobenzene
Concen: 43.915 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

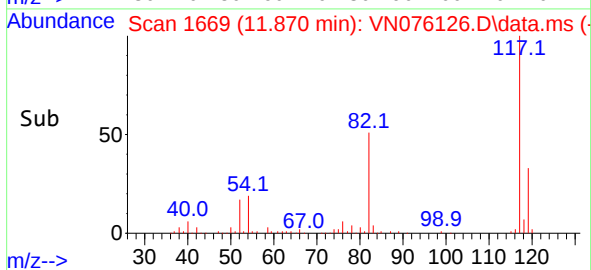
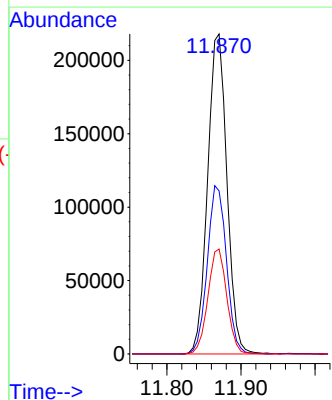
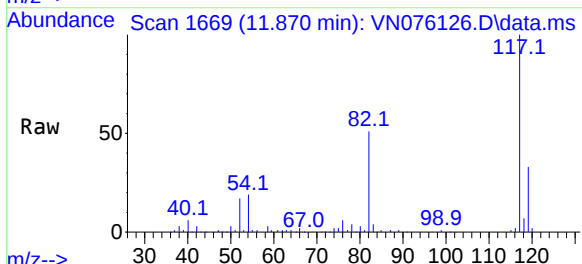
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

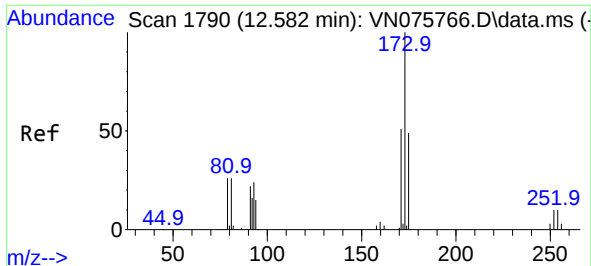
Tgt Ion: 95 Resp: 156839
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.6
176 82.8 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 117 Resp: 394531
Ion Ratio Lower Upper
117 100
82 51.0 41.3 61.9
119 32.8 24.6 37.0

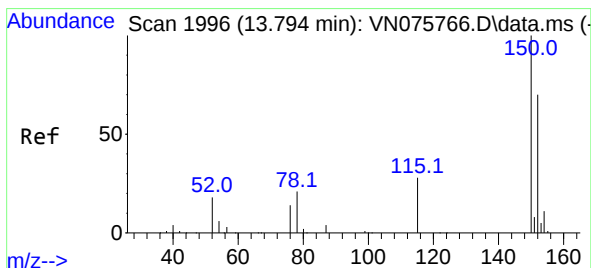
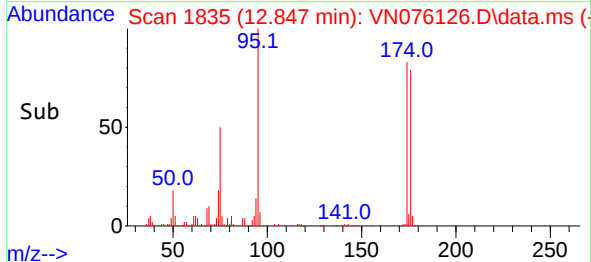
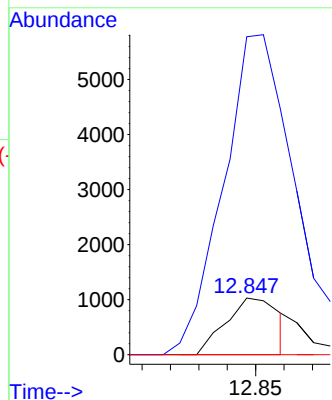
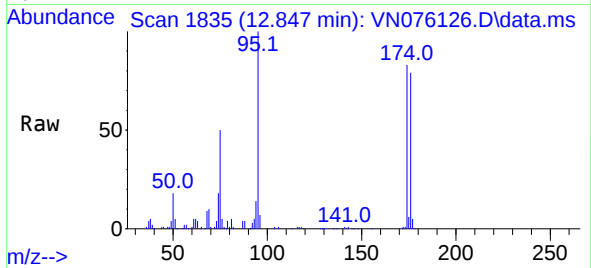




#71
Bromoform
Concen: 0.615 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

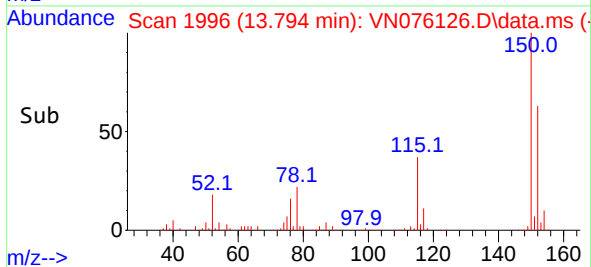
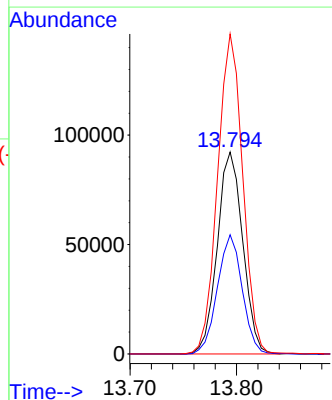
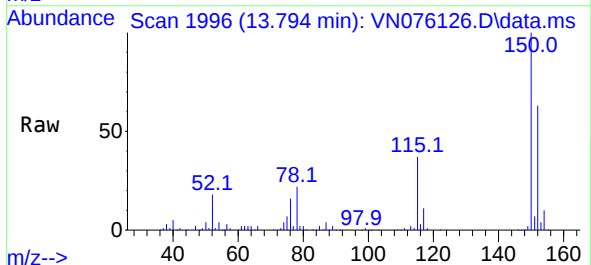
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

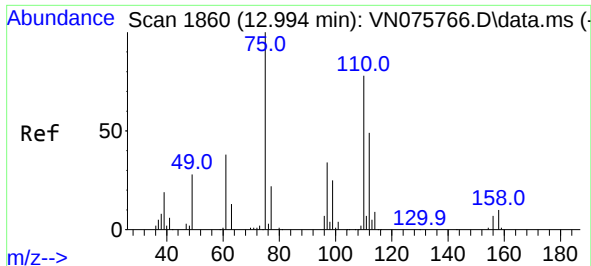
Tgt Ion:173 Resp: 1342
Ion Ratio Lower Upper
173 100
175 607.2 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion:152 Resp: 153182
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 156.6 0.0 347.0

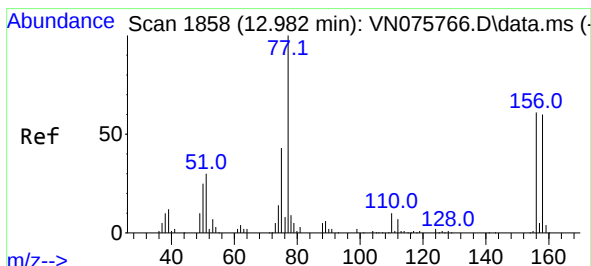
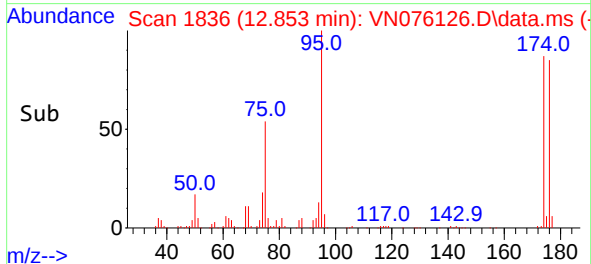
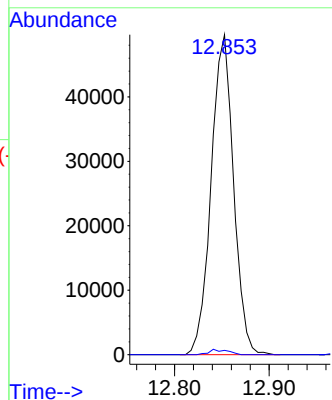
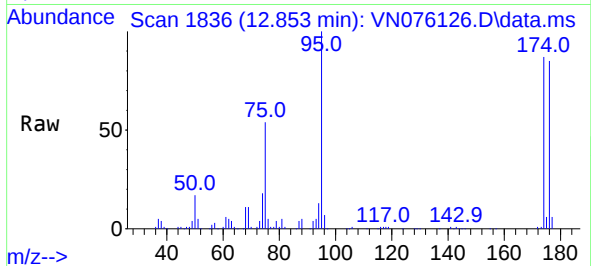




#76
1,2,3-Trichloropropane
Concen: 26.405 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

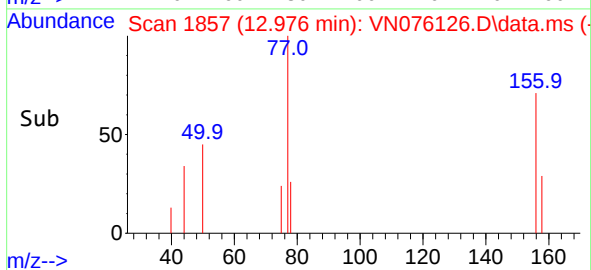
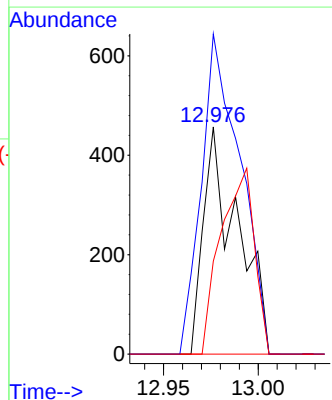
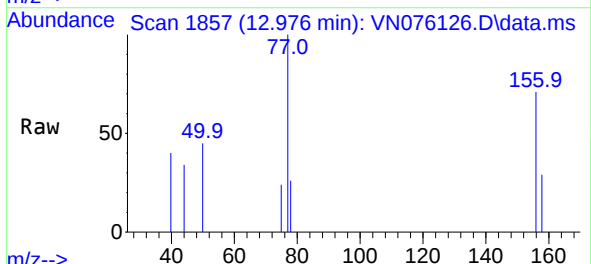
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

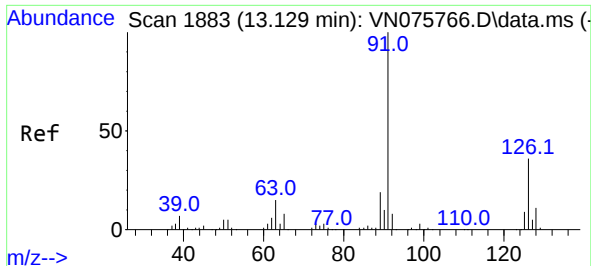
Tgt Ion: 75 Resp: 81534
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#77
Bromobenzene
Concen: 0.202 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion:156 Resp: 567
Ion Ratio Lower Upper
156 100
77 162.4 93.8 281.3
158 81.3 48.9 146.6

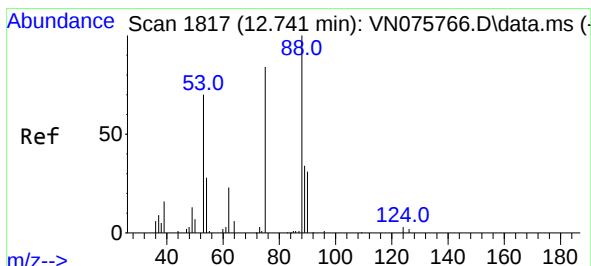
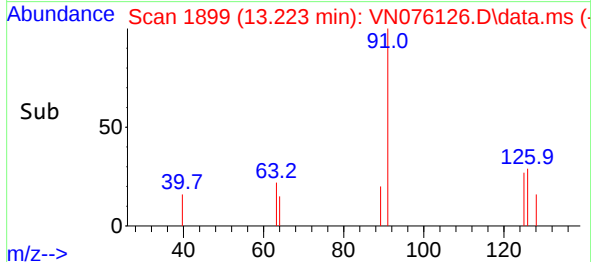
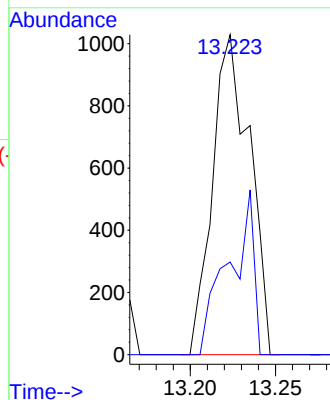
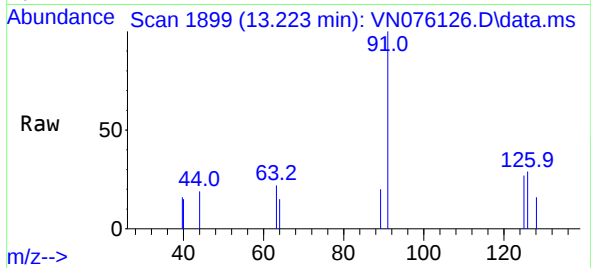




#79
2-Chlorotoluene
Concen: 0.204 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.094 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

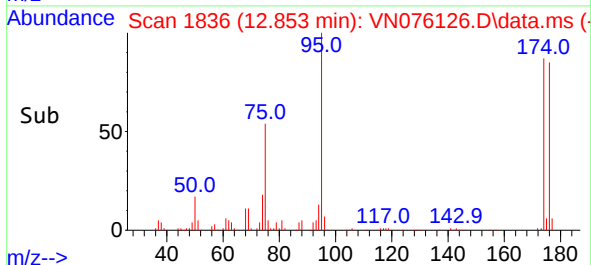
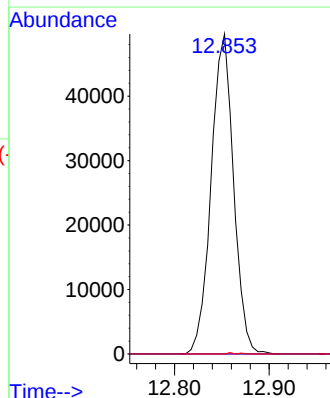
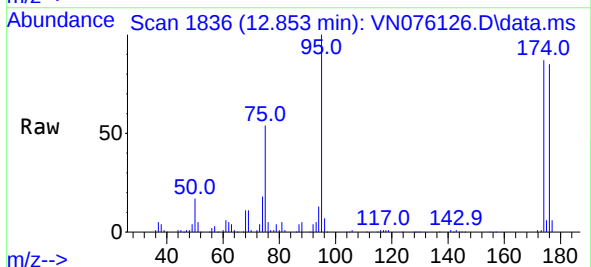
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

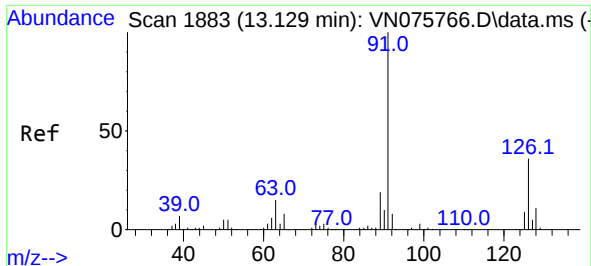
Tgt Ion: 91 Resp: 1558
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.5



#81
trans-1,4-Dichloro-2-butene
Concen: 95.046 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 75 Resp: 81534
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.2 39.5 59.3#

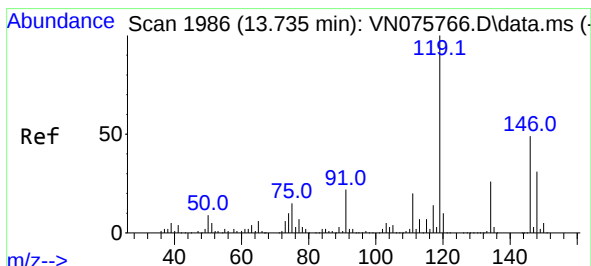
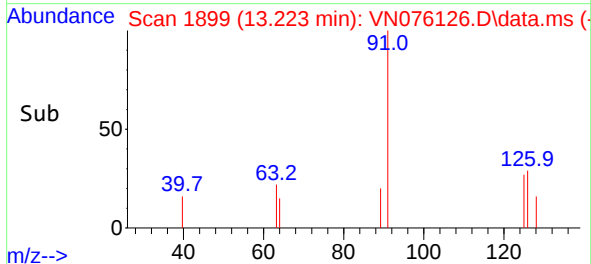
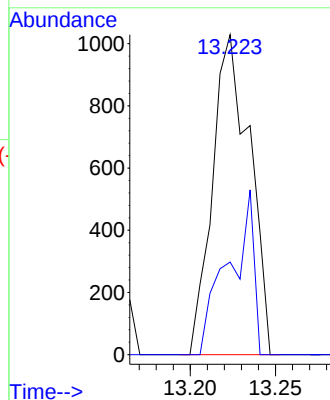
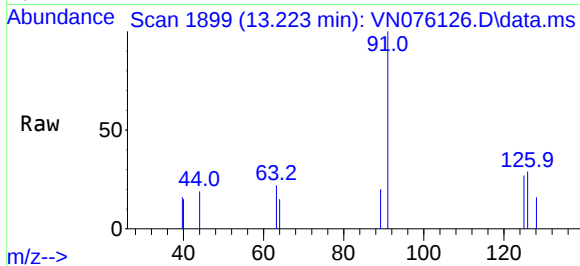




#82
4-Chlorotoluene
Concen: 0.204 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.094 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

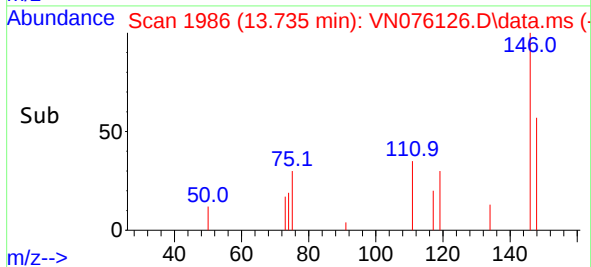
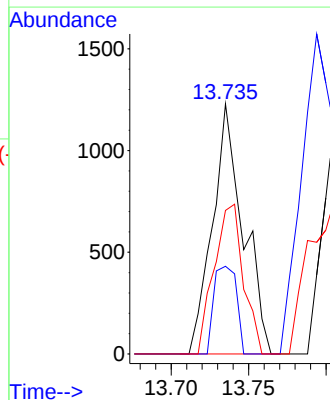
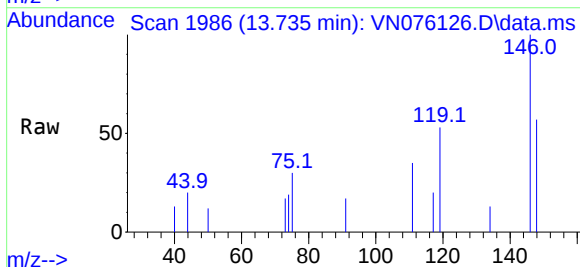
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

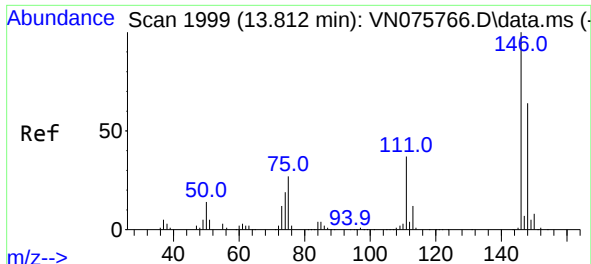
Tgt Ion: 91 Resp: 1558
Ion Ratio Lower Upper
91 100
126 35.0 17.5 52.5



#87
1,3-Dichlorobenzene
Concen: 0.328 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 146 Resp: 1699
Ion Ratio Lower Upper
146 100
111 25.6 19.7 59.0
148 56.6 31.4 94.2

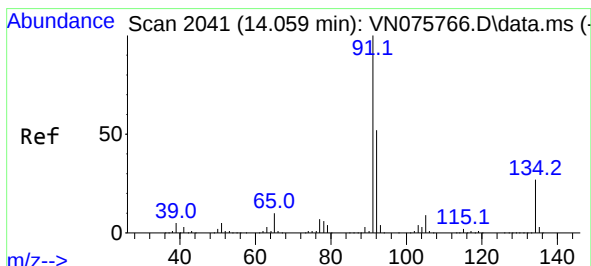
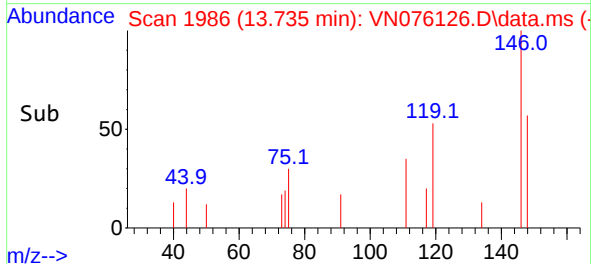
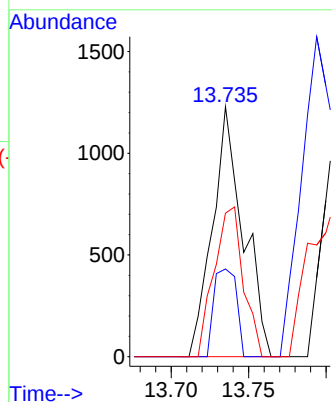
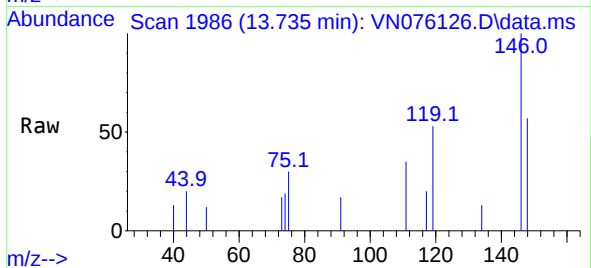




#88
1,4-Dichlorobenzene
Concen: 0.321 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

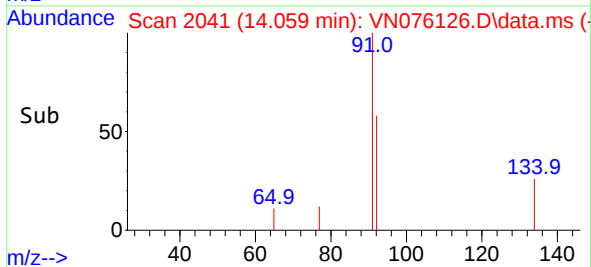
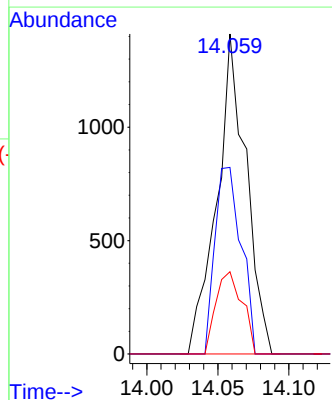
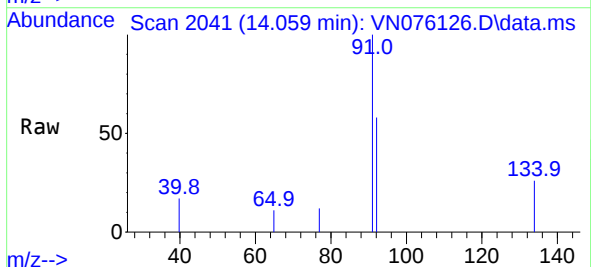
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

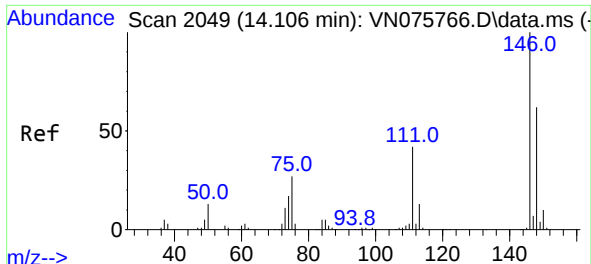
Tgt Ion:146 Resp: 1699
Ion Ratio Lower Upper
146 100
111 25.6 19.1 57.1
148 56.6 32.0 96.2



#89
n-Butylbenzene
Concen: 0.266 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion: 91 Resp: 2022
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.2
134 23.1 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.305 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN076126.D

Acq: 06 Jan 2023 12:12

Instrument :

MSVOA_N

ClientSampleId :

TB-01-010523

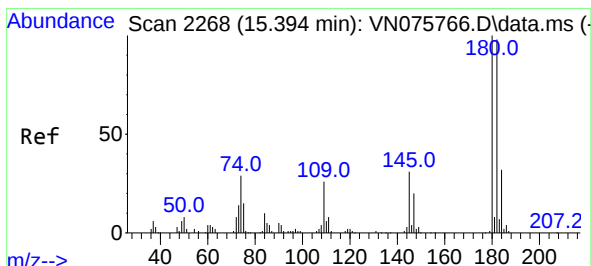
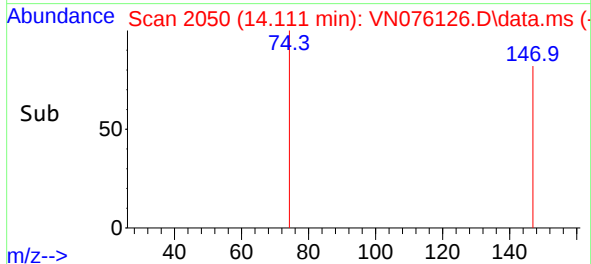
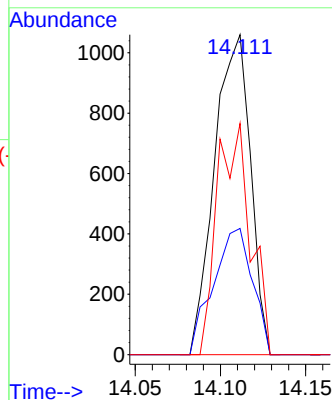
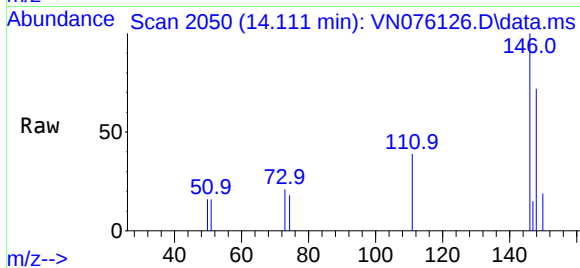
Tgt Ion:146 Resp: 1556

Ion Ratio Lower Upper

146 100

111 43.1 20.3 61.0

148 67.0 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.955 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN076126.D

Acq: 06 Jan 2023 12:12

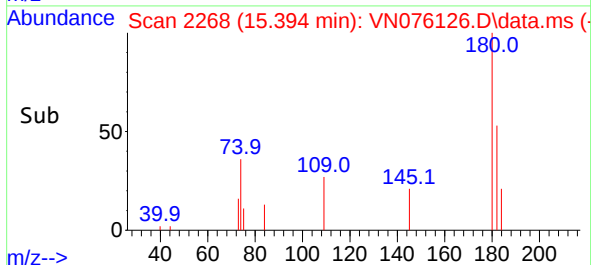
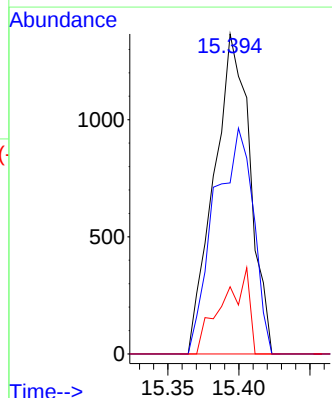
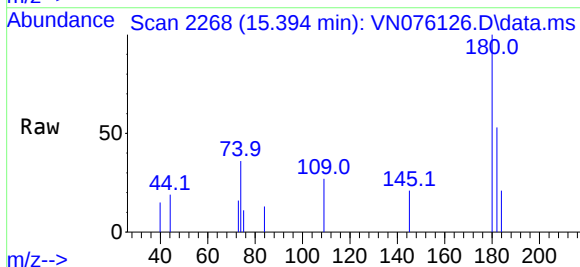
Tgt Ion:180 Resp: 2410

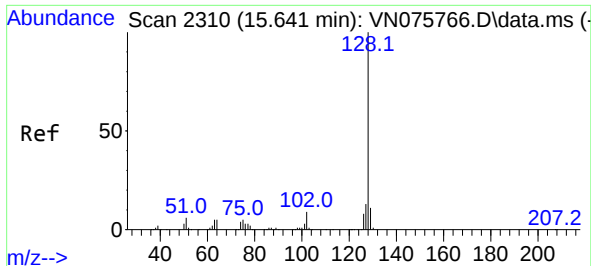
Ion Ratio Lower Upper

180 100

182 76.3 47.5 142.5

145 20.1 15.3 45.8

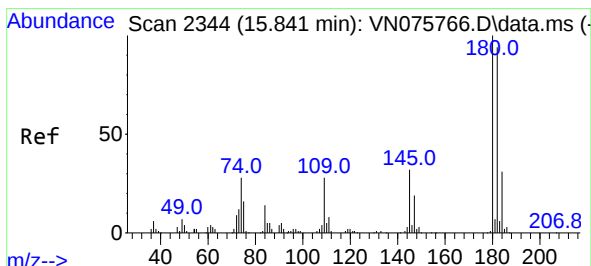
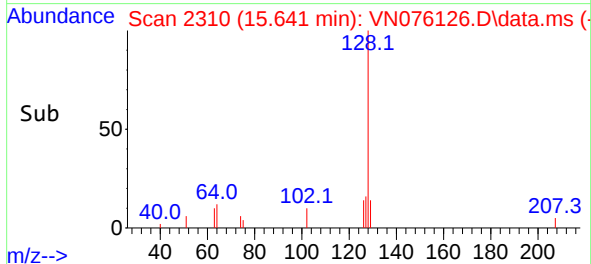
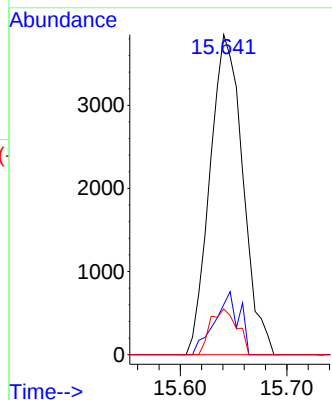
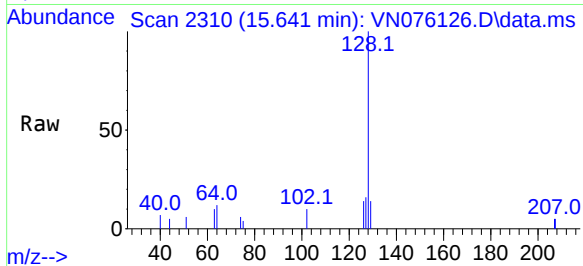




#95
Naphthalene
Concen: 3.125 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Instrument :
MSVOA_N
ClientSampleId :
TB-01-010523

Tgt Ion:	128	Resp:	8258
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.4	15.6
129	11.6	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.009 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN076126.D
Acq: 06 Jan 2023 12:12

Tgt Ion:	180	Resp:	2381
Ion	Ratio	Lower	Upper
180	100		
182	87.3	47.0	141.0
145	24.7	16.0	47.9

