

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010523\
 Data File : VN076107.D
 Acq On : 05 Jan 2023 13:39
 Operator : JC\MD
 Sample : 01031-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-010423

Quant Time: Jan 05 23:48:29 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)

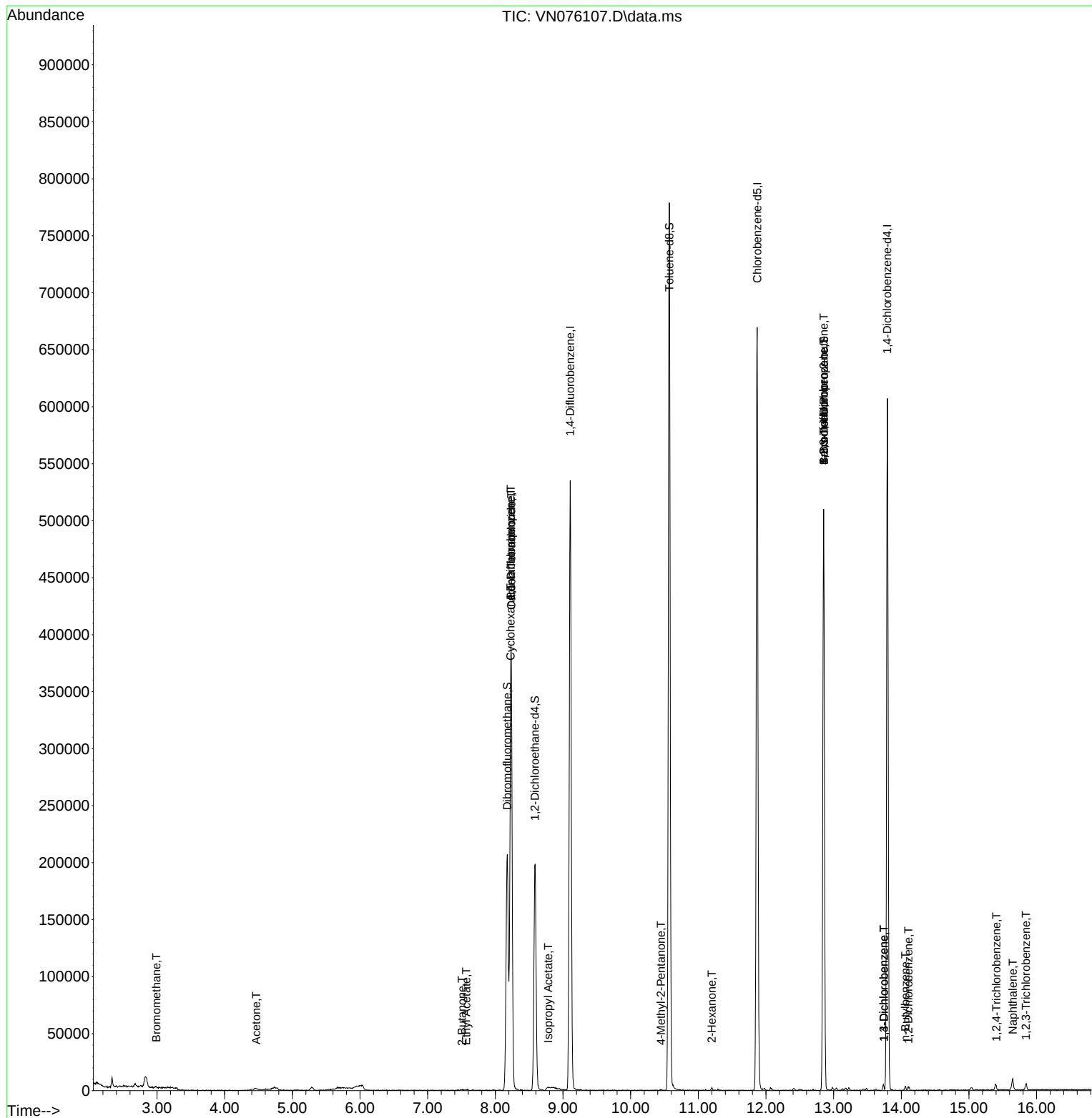
Internal Standards						
1) Pentafluorobenzene	8.230	168	310092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	489362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	418934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	159738	47.351	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.700%		
35) Dibromofluoromethane	8.177	113	146187	48.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.480%		
50) Toluene-d8	10.571	98	566899	50.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.853	95	168641	44.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.880%		
Target Compounds						Qvalue
5) Bromomethane	2.989	94	627	0.226	ug/l #	49
16) Acetone	4.465	43	2100	1.806	ug/l	89
25) 2-Butanone	7.506	43	1174	0.721	ug/l	92
31) Cyclohexane	8.224	56	5910	1.223	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	21861	5.430	ug/l #	50
37) Ethyl Acetate	7.571	43	980	0.303	ug/l #	72
38) Carbon Tetrachloride	8.235	117	29768	6.607	ug/l #	16
43) Isopropyl Acetate	8.782	43	2018	0.378	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	762	0.236	ug/l #	85
59) 2-Hexanone	11.200	43	1353	0.575	ug/l	98
71) Bromoform	12.853	173	1799	0.776	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	86484	24.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	86484	88.091	ug/l #	12
87) 1,3-Dichlorobenzene	13.741	146	1613	0.272	ug/l	96
88) 1,4-Dichlorobenzene	13.741	146	1613	0.267	ug/l	97
89) n-Butylbenzene	14.059	91	2345	0.270	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	2156	0.370	ug/l	79
93) 1,2,4-Trichlorobenzene	15.406	180	2027	0.702	ug/l	94
95) Naphthalene	15.647	128	10336	3.214	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	2597	0.962	ug/l	96

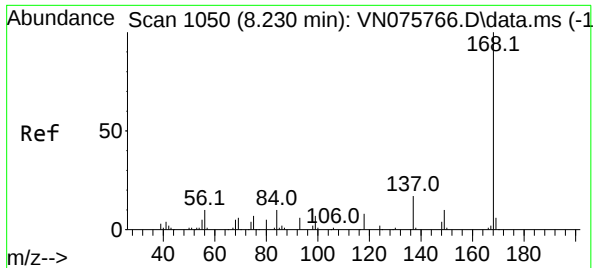
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

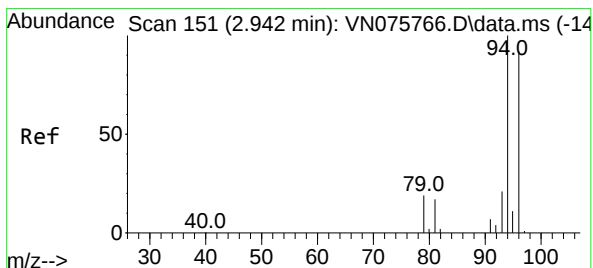
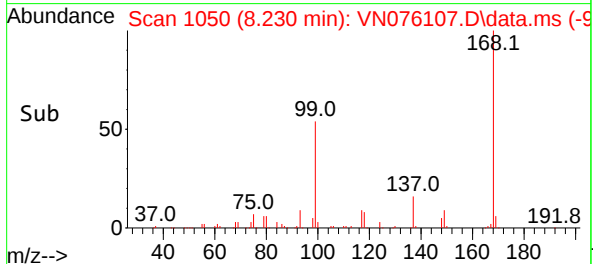
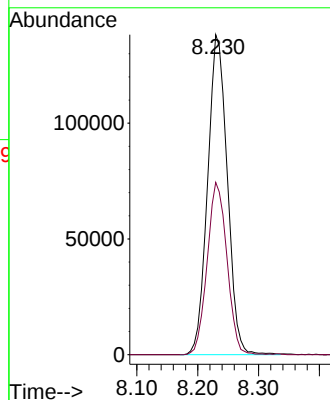
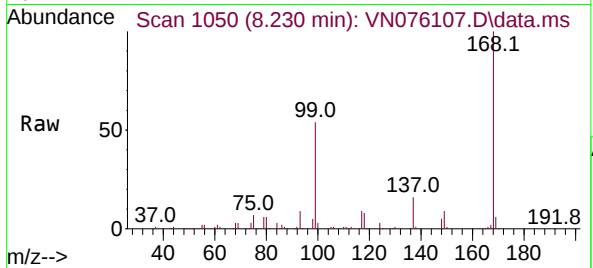




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

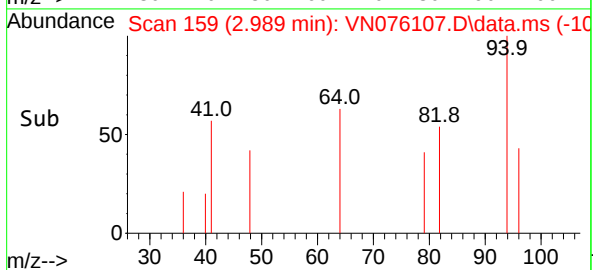
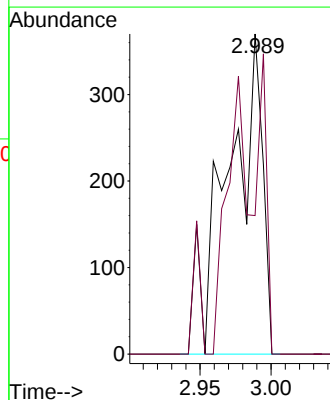
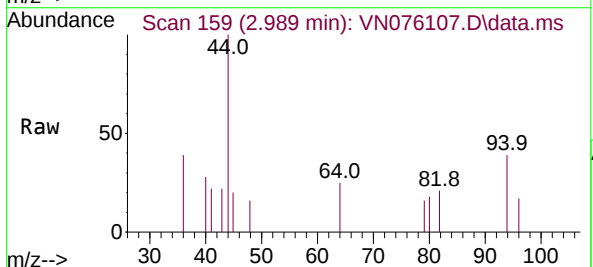
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

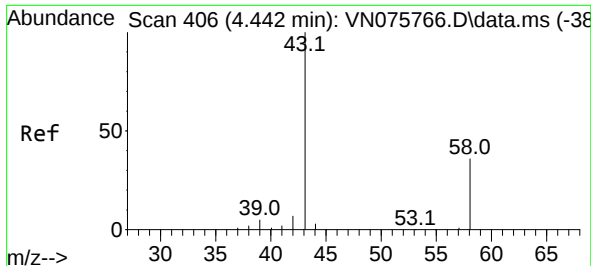
Tgt Ion:168 Resp: 310092
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#5
Bromomethane
Concen: 0.226 ug/l
RT: 2.989 min Scan# 159
Delta R.T. 0.047 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 94 Resp: 627
Ion Ratio Lower Upper
94 100
96 43.2 73.8 110.6#





#16

Acetone

Concen: 1.806 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.023 min

Lab File: VN076107.D

Acq: 05 Jan 2023 13:39

Instrument :

MSVOA_N

ClientSampleId :

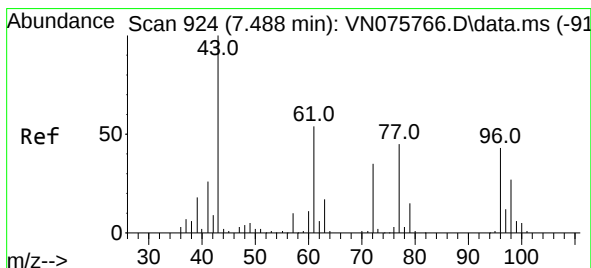
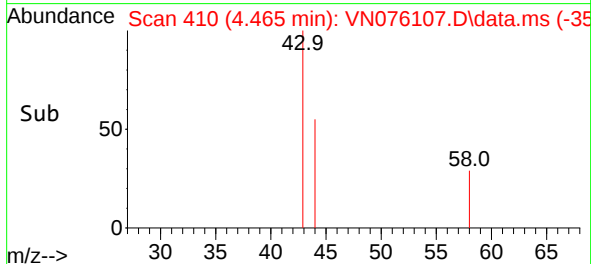
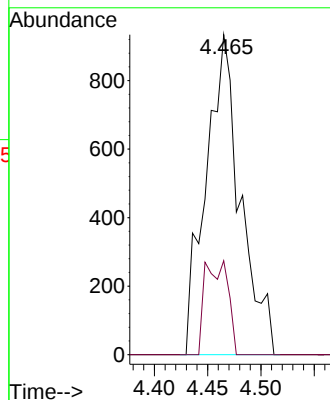
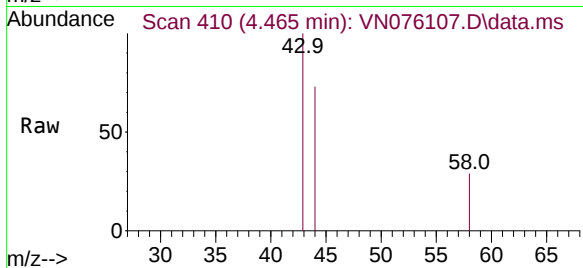
TB-01-010423

Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

43 100

58 29.3 28.6 43.0



#25

2-Butanone

Concen: 0.721 ug/l

RT: 7.506 min Scan# 927

Delta R.T. 0.018 min

Lab File: VN076107.D

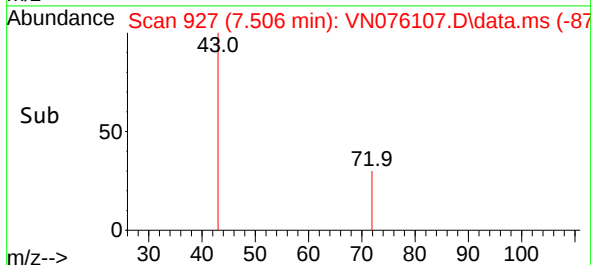
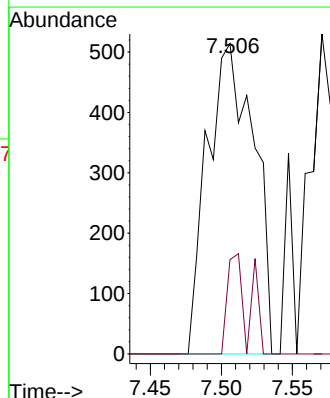
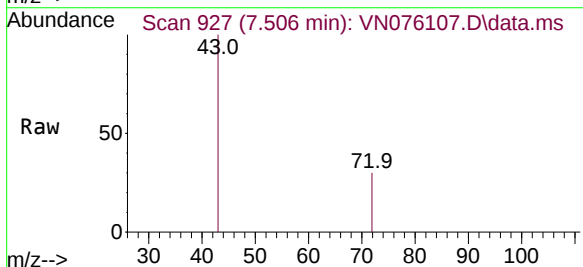
Acq: 05 Jan 2023 13:39

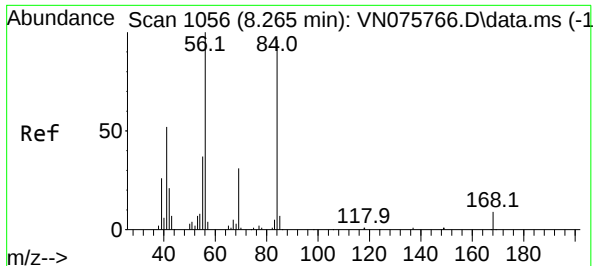
Tgt Ion: 43 Resp: 1174

Ion Ratio Lower Upper

43 100

72 30.4 28.0 42.0





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN076107.D

Acq: 05 Jan 2023 13:39

Instrument :

MSVOA_N

ClientSampleId :

TB-01-010423

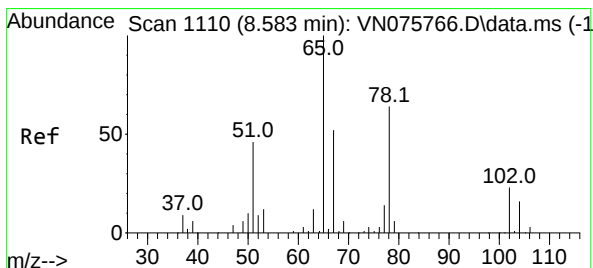
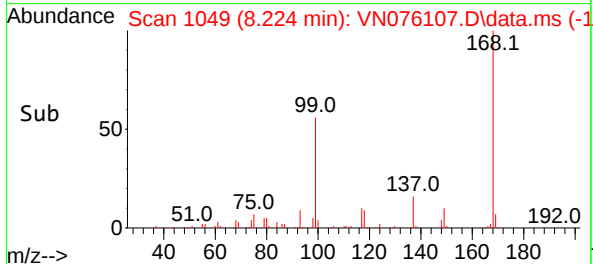
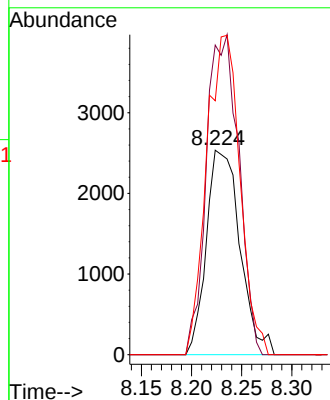
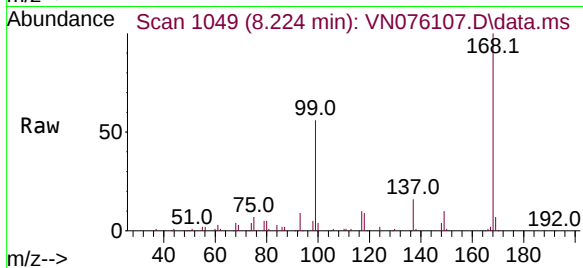
Tgt Ion: 56 Resp: 5910

Ion Ratio Lower Upper

56 100

69 151.5 24.7 37.1#

84 124.2 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 47.351 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076107.D

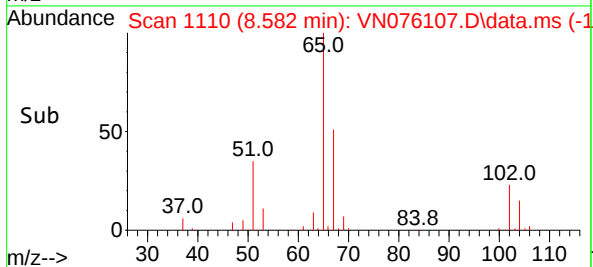
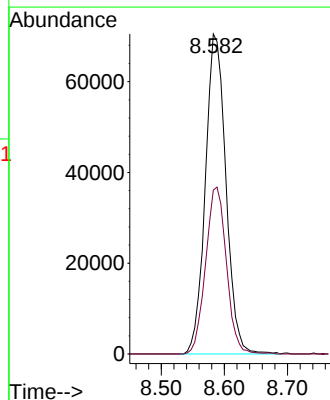
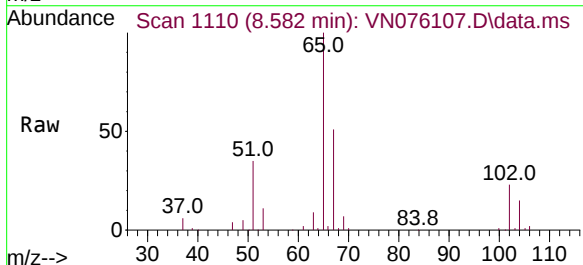
Acq: 05 Jan 2023 13:39

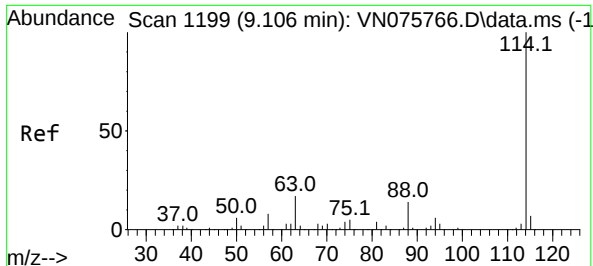
Tgt Ion: 65 Resp: 159738

Ion Ratio Lower Upper

65 100

67 52.7 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: VN076107.D

Acq: 05 Jan 2023 13:39

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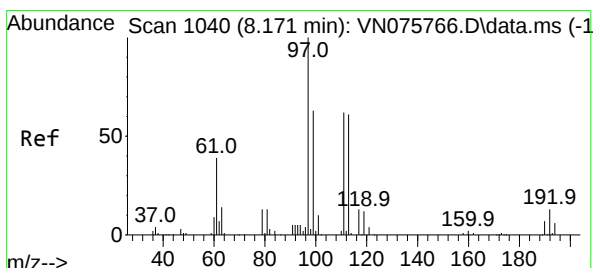
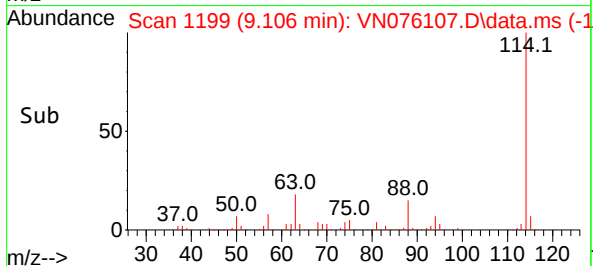
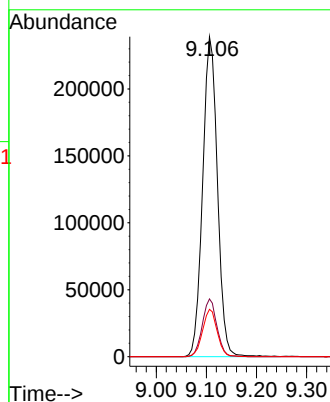
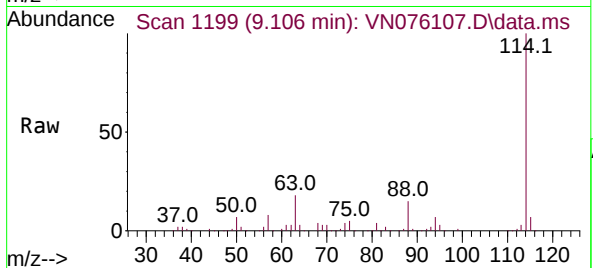
Tgt Ion:114 Resp: 489362

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.238 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076107.D

Acq: 05 Jan 2023 13:39

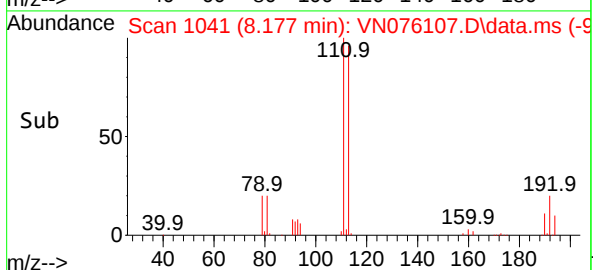
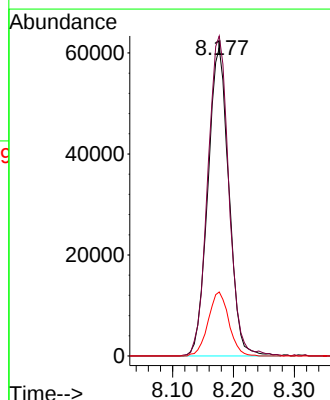
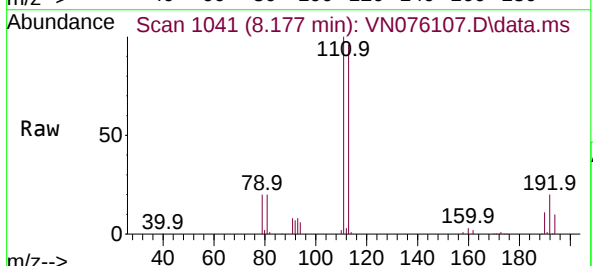
Tgt Ion:113 Resp: 146187

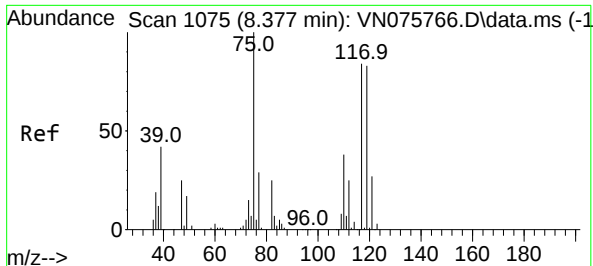
Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.2

192 20.4 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.430 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.147 min

Lab File: VN076107.D

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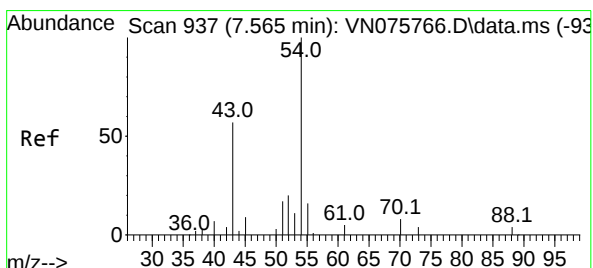
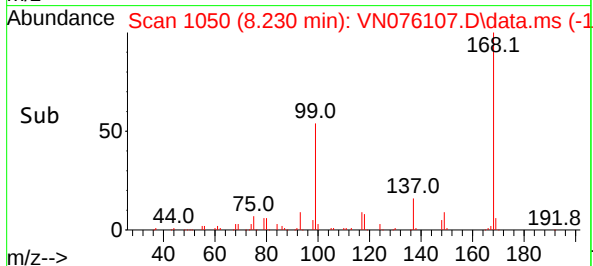
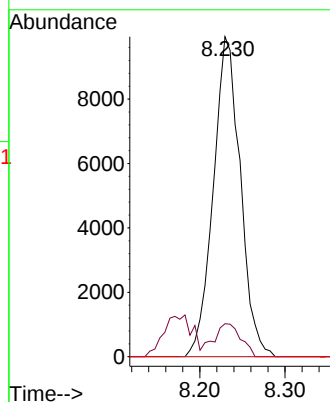
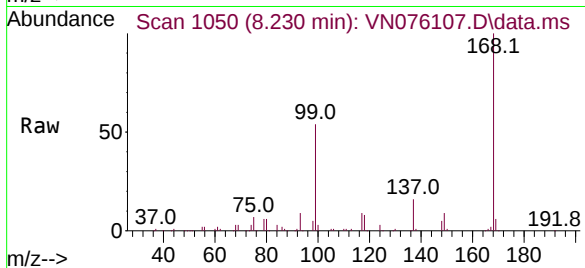
Tgt Ion: 75 Resp: 21861

Ion Ratio Lower Upper

75 100

110 9.7 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.303 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN076107.D

Acq: 05 Jan 2023 13:39

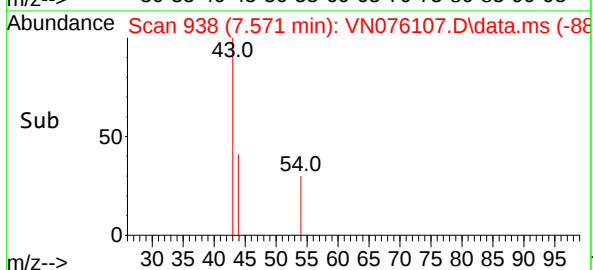
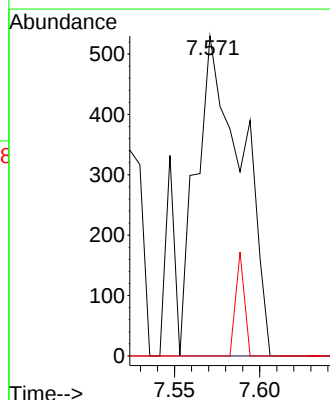
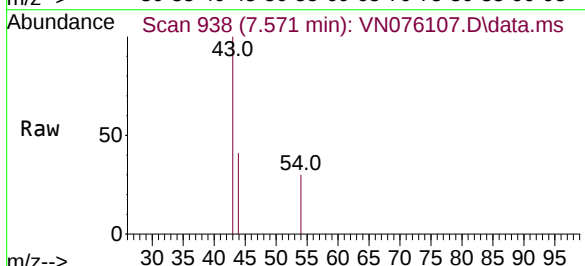
Tgt Ion: 43 Resp: 980

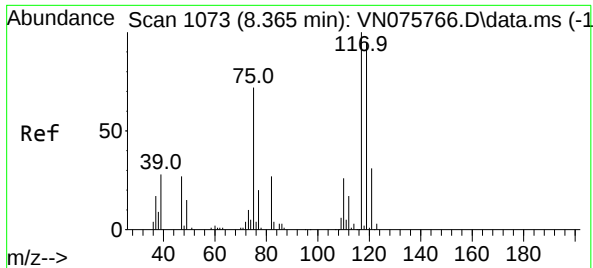
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 6.2 9.4 14.0#

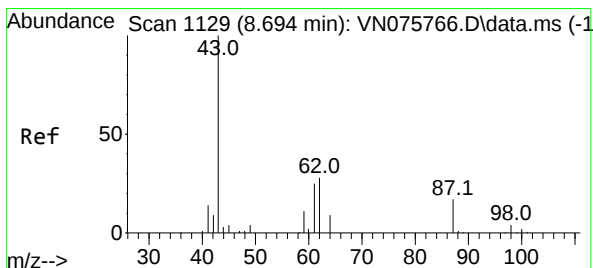
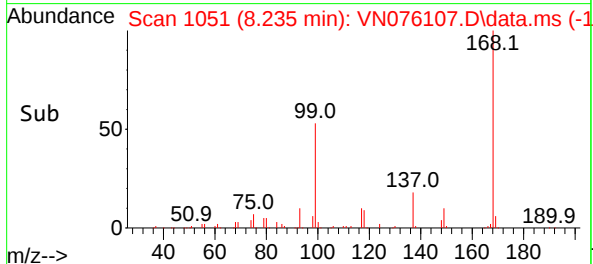
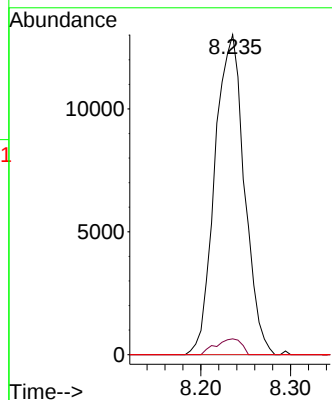
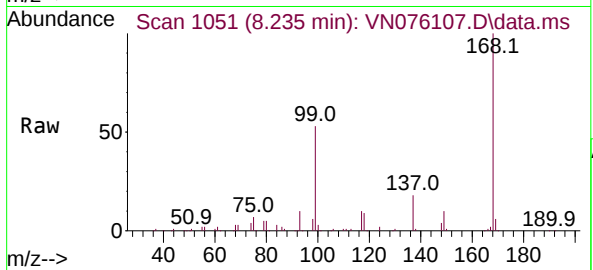




#38
Carbon Tetrachloride
Concen: 6.607 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

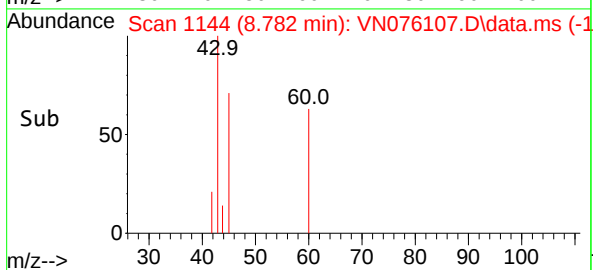
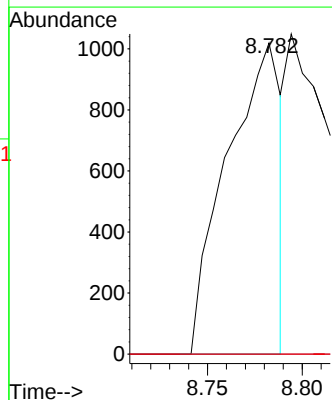
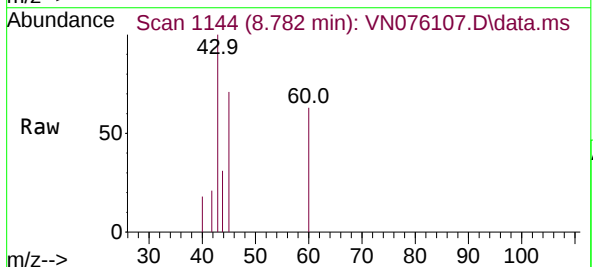
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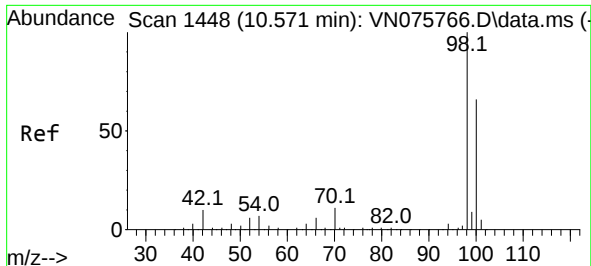
Tgt Ion:117 Resp: 29768
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.378 ug/l
RT: 8.782 min Scan# 1144
Delta R.T. 0.088 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

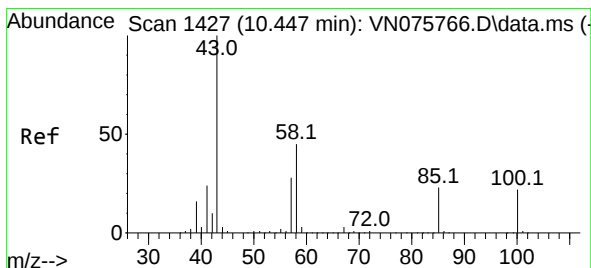
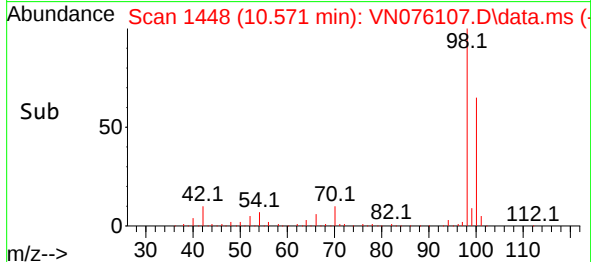
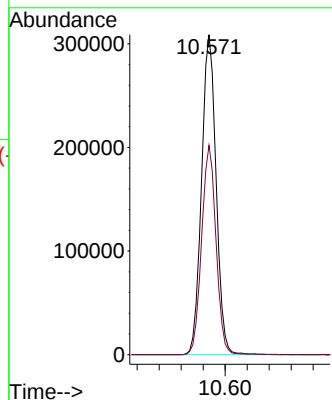
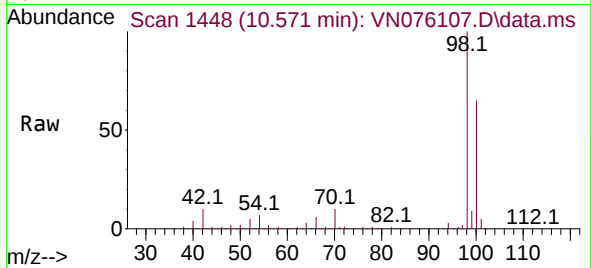




#50
Toluene-d8
Concen: 50.031 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

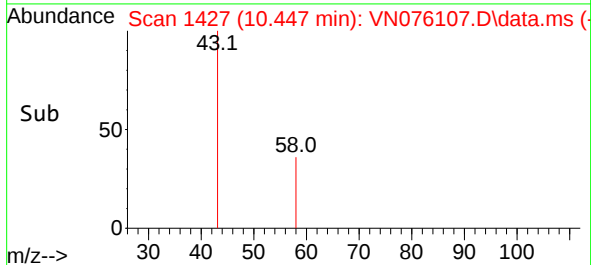
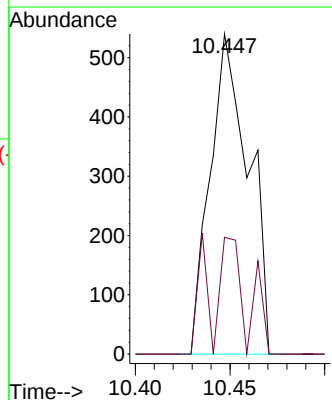
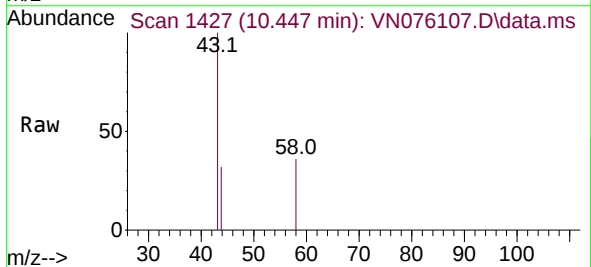
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TB-01-010423

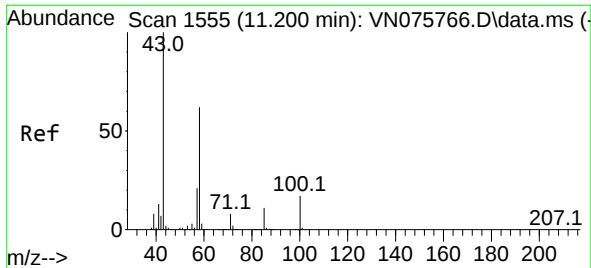
Tgt Ion: 98 Resp: 566899
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.236 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 34.8 35.5 53.3#

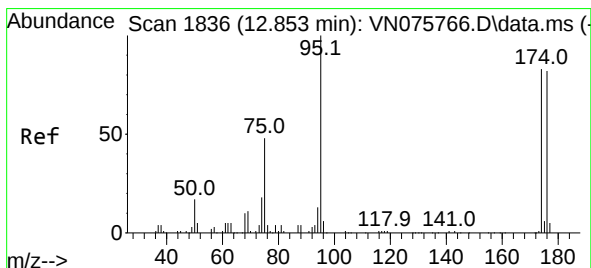
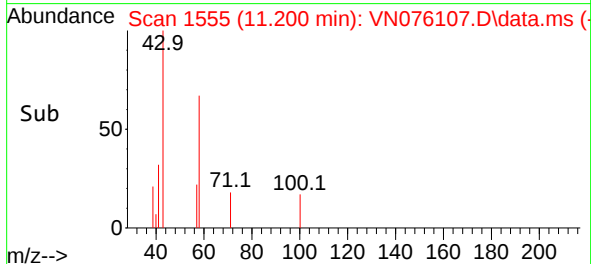
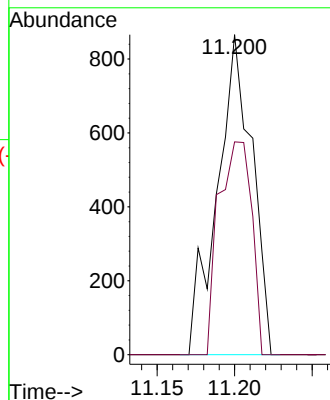
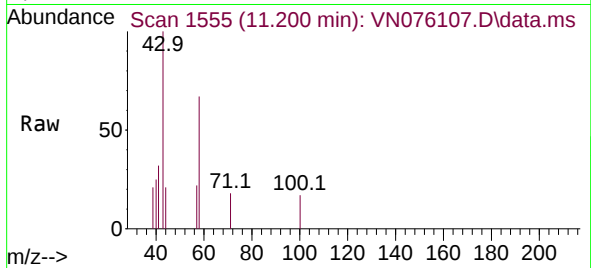




#59
2-Hexanone
Concen: 0.575 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

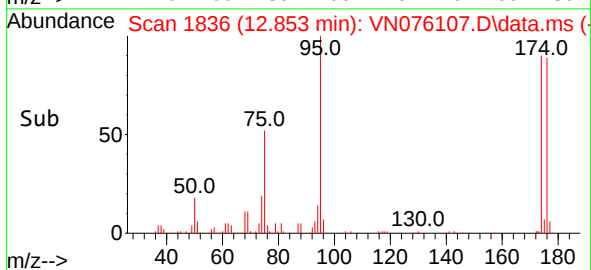
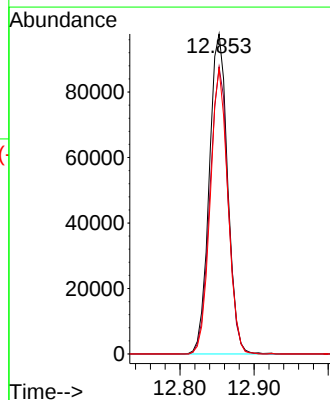
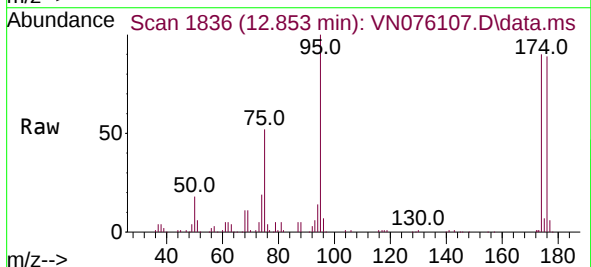
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

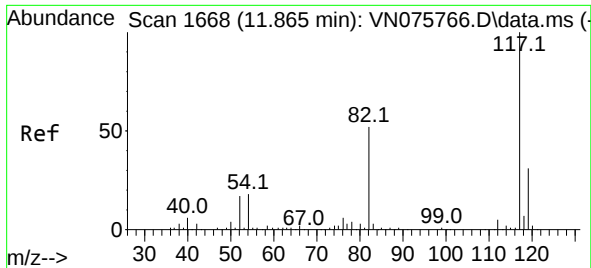
Tgt Ion: 43 Resp: 1353
Ion Ratio Lower Upper
43 100
58 62.7 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 44.936 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 95 Resp: 168641
Ion Ratio Lower Upper
95 100
174 88.3 0.0 171.6
176 85.2 0.0 169.2

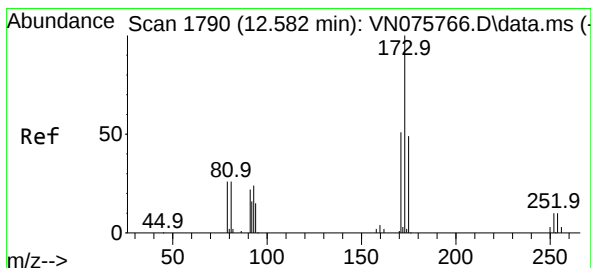
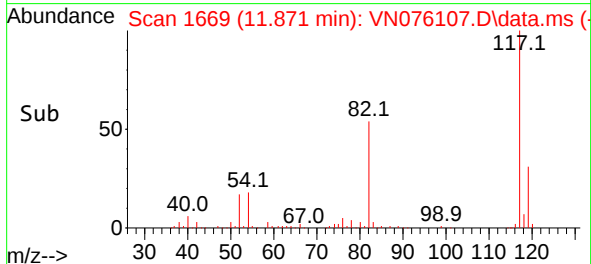
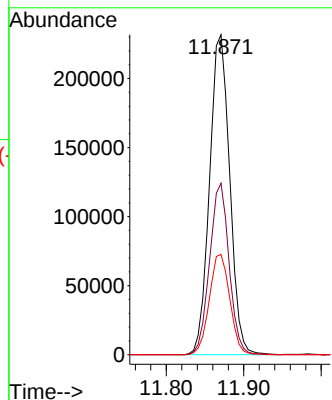
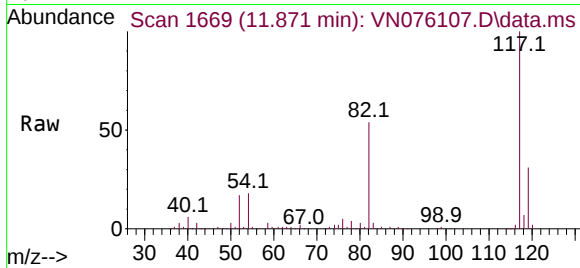




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

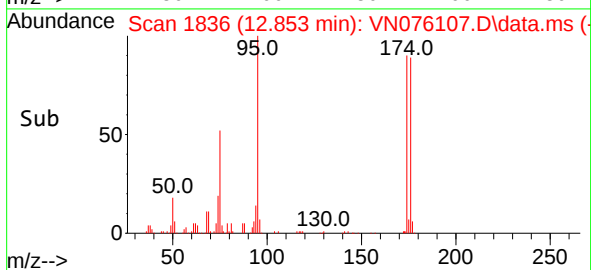
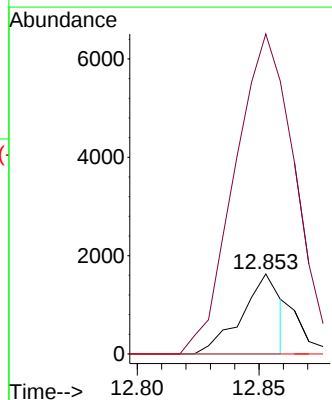
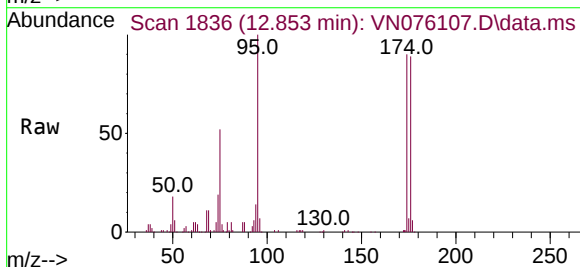
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

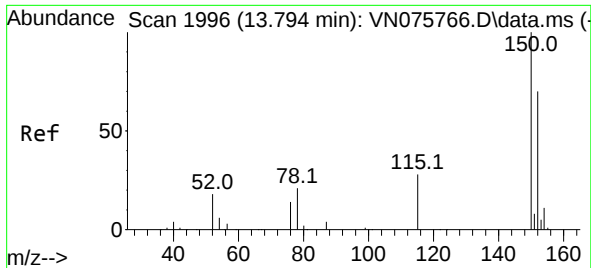
Tgt Ion:117 Resp: 418934
Ion Ratio Lower Upper
117 100
82 53.5 41.3 61.9
119 31.3 24.6 37.0



#71
Bromoform
Concen: 0.776 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion:173 Resp: 1799
Ion Ratio Lower Upper
173 100
175 491.9 24.3 72.8#
254 0.0 0.0 0.0

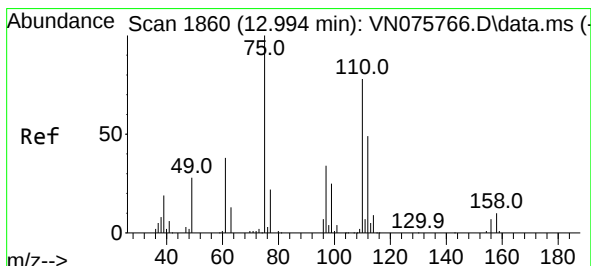
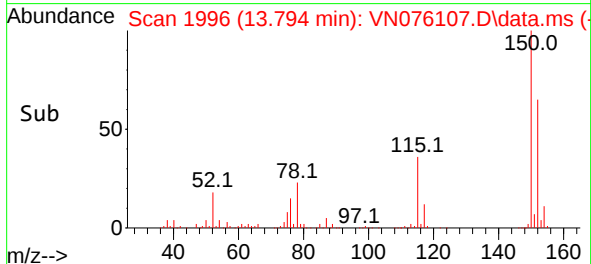
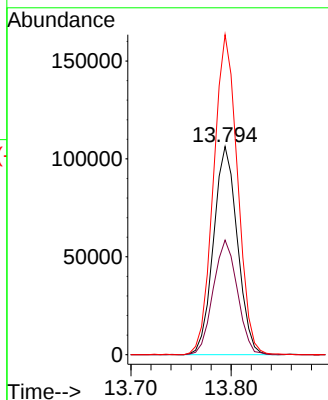
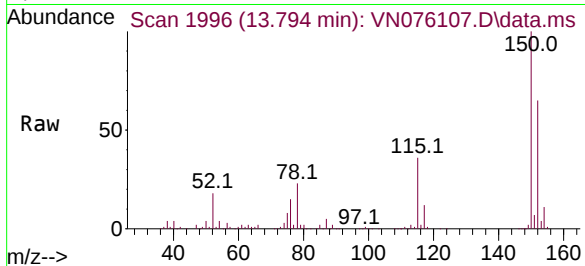




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

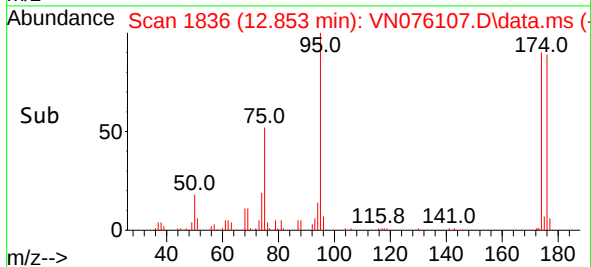
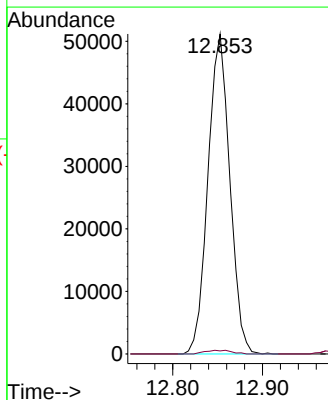
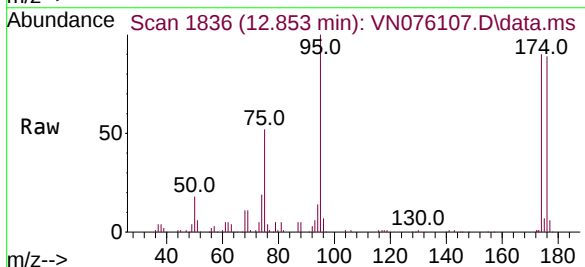
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

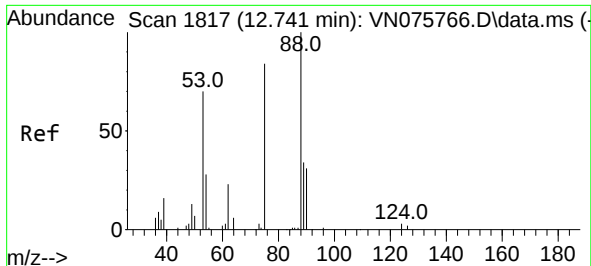
Tgt Ion:152 Resp: 175311
Ion Ratio Lower Upper
152 100
115 55.7 29.1 87.4
150 154.8 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.473 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 75 Resp: 86484
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

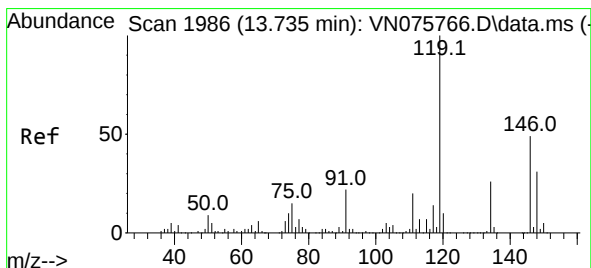
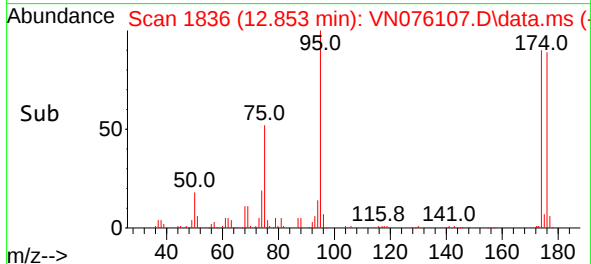
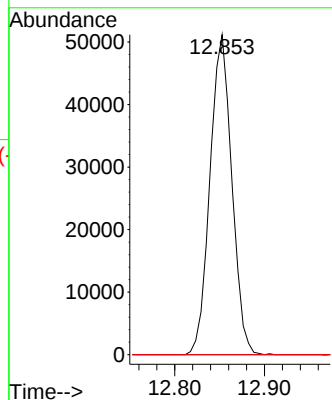
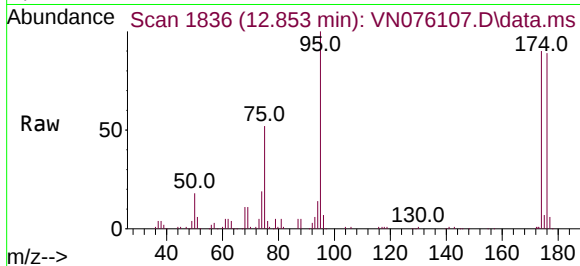




#81
trans-1,4-Dichloro-2-butene
Concen: 88.091 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

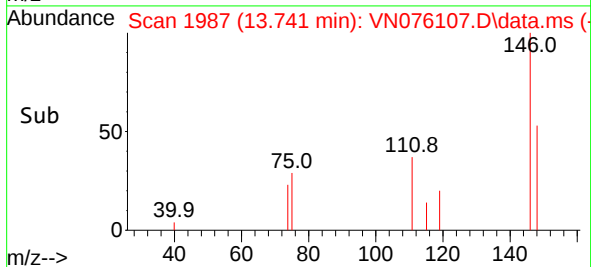
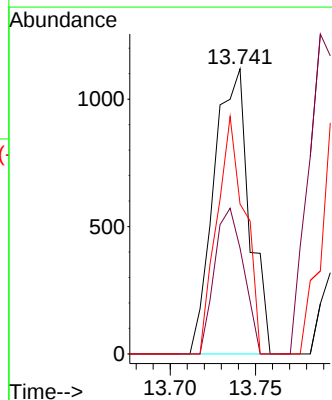
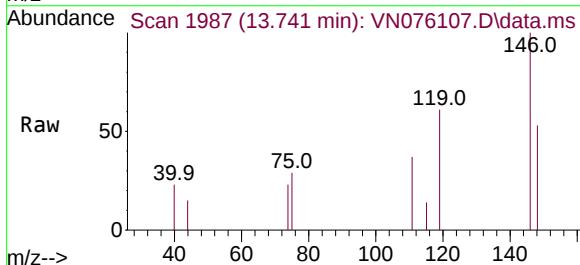
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

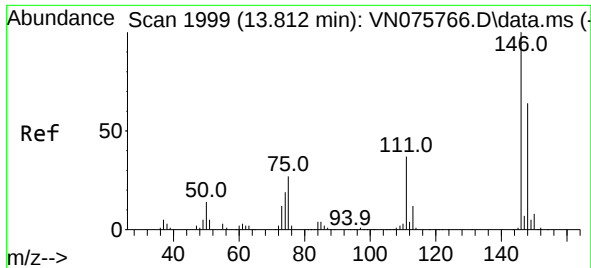
Tgt Ion: 75 Resp: 86484
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.272 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion:146 Resp: 1613
Ion Ratio Lower Upper
146 100
111 41.8 19.7 59.0
148 65.6 31.4 94.2

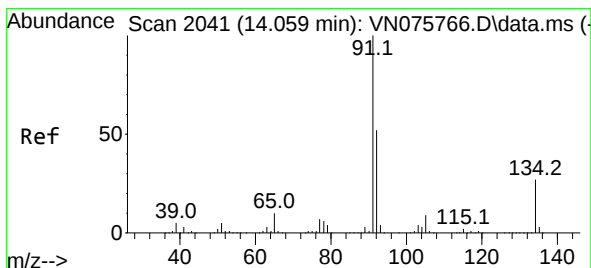
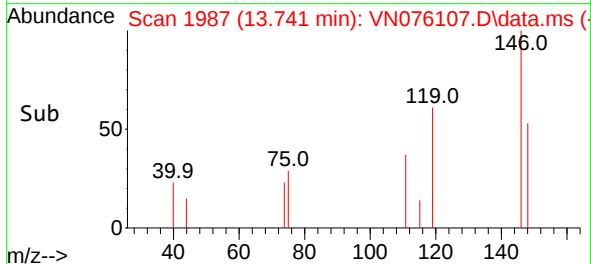
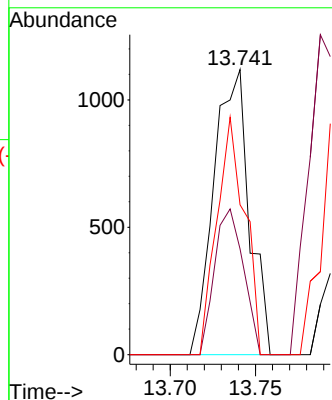
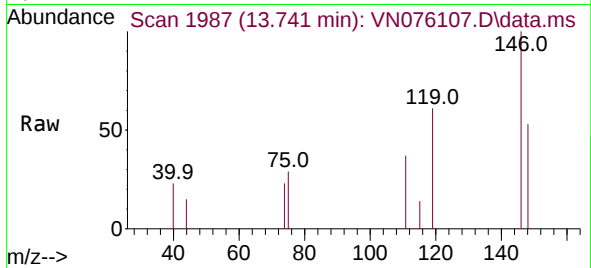




#88
1,4-Dichlorobenzene
Concen: 0.267 ug/l
RT: 13.741 min Scan# 1999
Delta R.T. -0.071 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

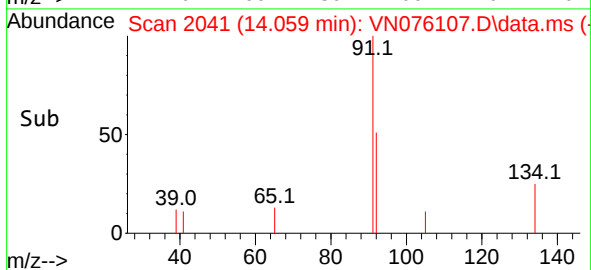
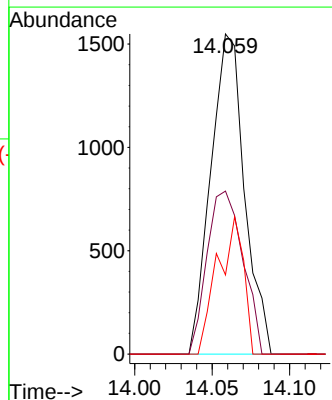
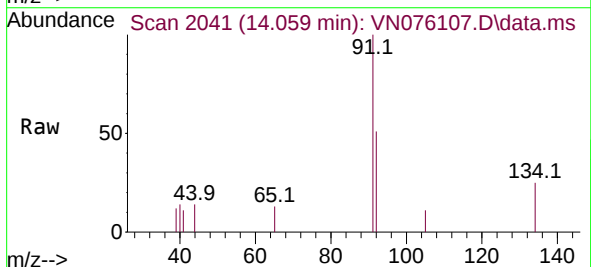
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

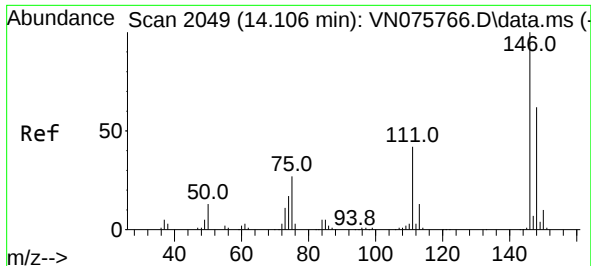
Tgt Ion:146 Resp: 1613
Ion Ratio Lower Upper
146 100
111 41.8 19.1 57.1
148 65.6 32.0 96.2



#89
n-Butylbenzene
Concen: 0.270 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion: 91 Resp: 2345
Ion Ratio Lower Upper
91 100
92 54.2 26.4 79.2
134 33.0 13.4 40.2

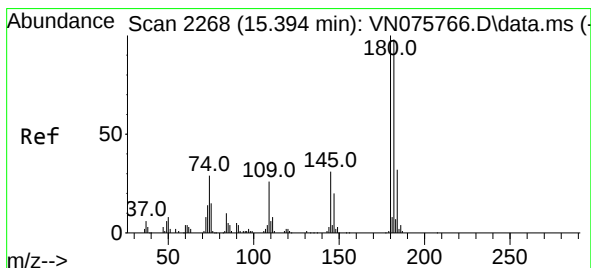
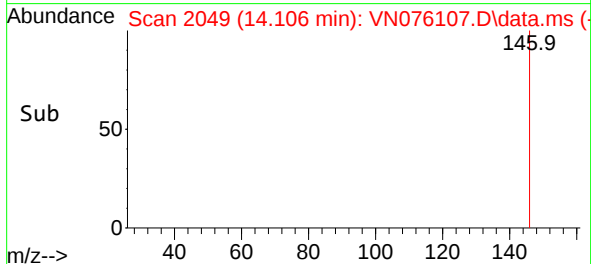
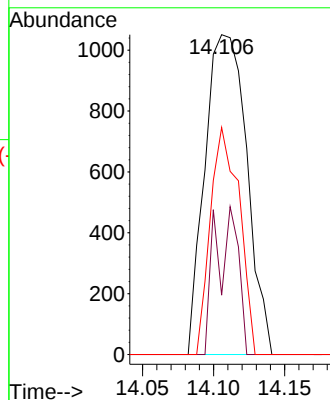
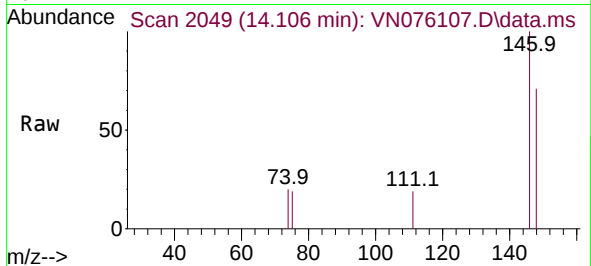




#91
1,2-Dichlorobenzene
Concen: 0.370 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

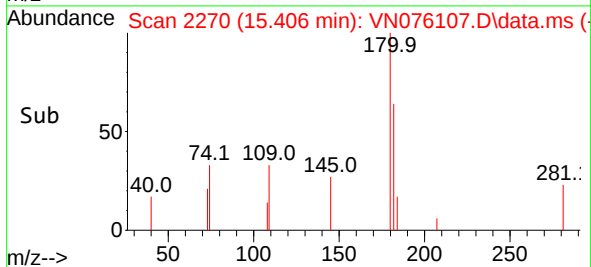
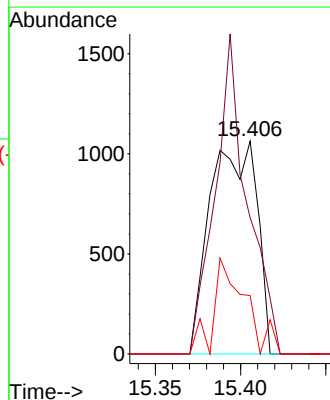
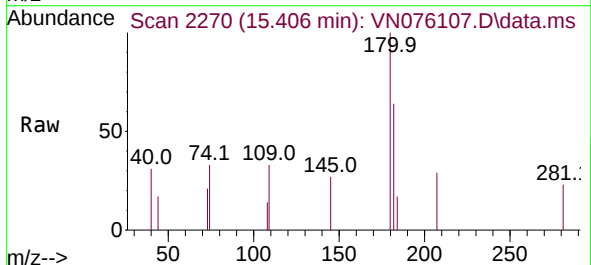
Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

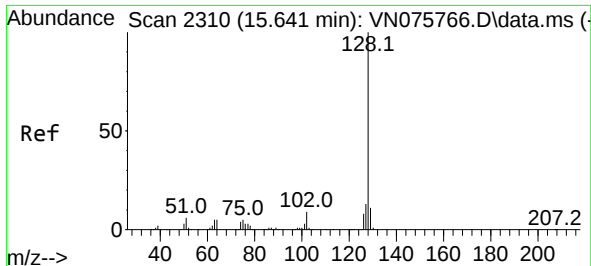
Tgt Ion:146 Resp: 2156
Ion Ratio Lower Upper
146 100
111 24.7 20.3 61.0
148 48.9 31.7 95.1



#93
1,2,4-Trichlorobenzene
Concen: 0.702 ug/l
RT: 15.406 min Scan# 2270
Delta R.T. 0.012 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion:180 Resp: 2027
Ion Ratio Lower Upper
180 100
182 102.9 47.5 142.5
145 30.8 15.3 45.8

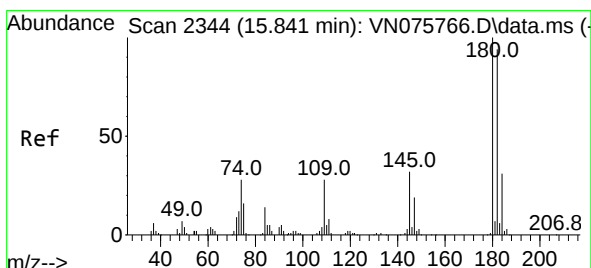
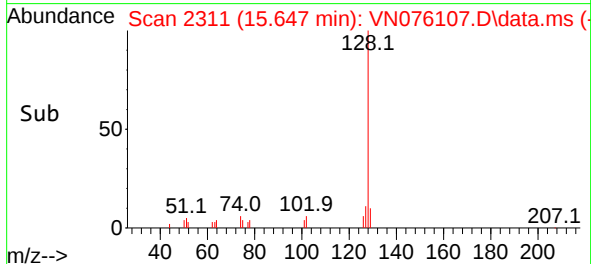
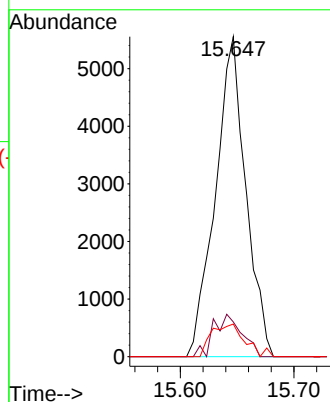
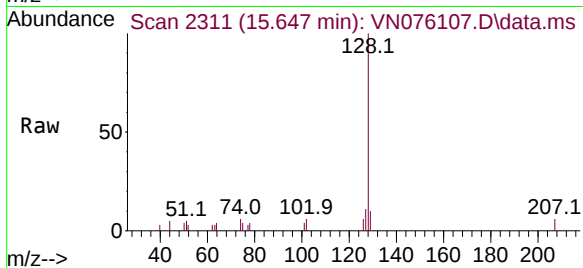




#95
Naphthalene
Concen: 3.214 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Instrument :
MSVOA_N
ClientSampleId :
TB-01-010423

Tgt Ion:128	Resp:	10336
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.4 15.6
129	11.2	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.962 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076107.D
Acq: 05 Jan 2023 13:39

Tgt Ion:180	Resp:	2597
Ion Ratio	Lower	Upper
180	100	
182	95.1	47.0 141.0
145	26.0	16.0 47.9

