

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010423\
 Data File : VN076075.D
 Acq On : 04 Jan 2023 12:30
 Operator : JC\MD
 Sample : VN0104WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBL01

Quant Time: Jan 05 01:21:27 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)

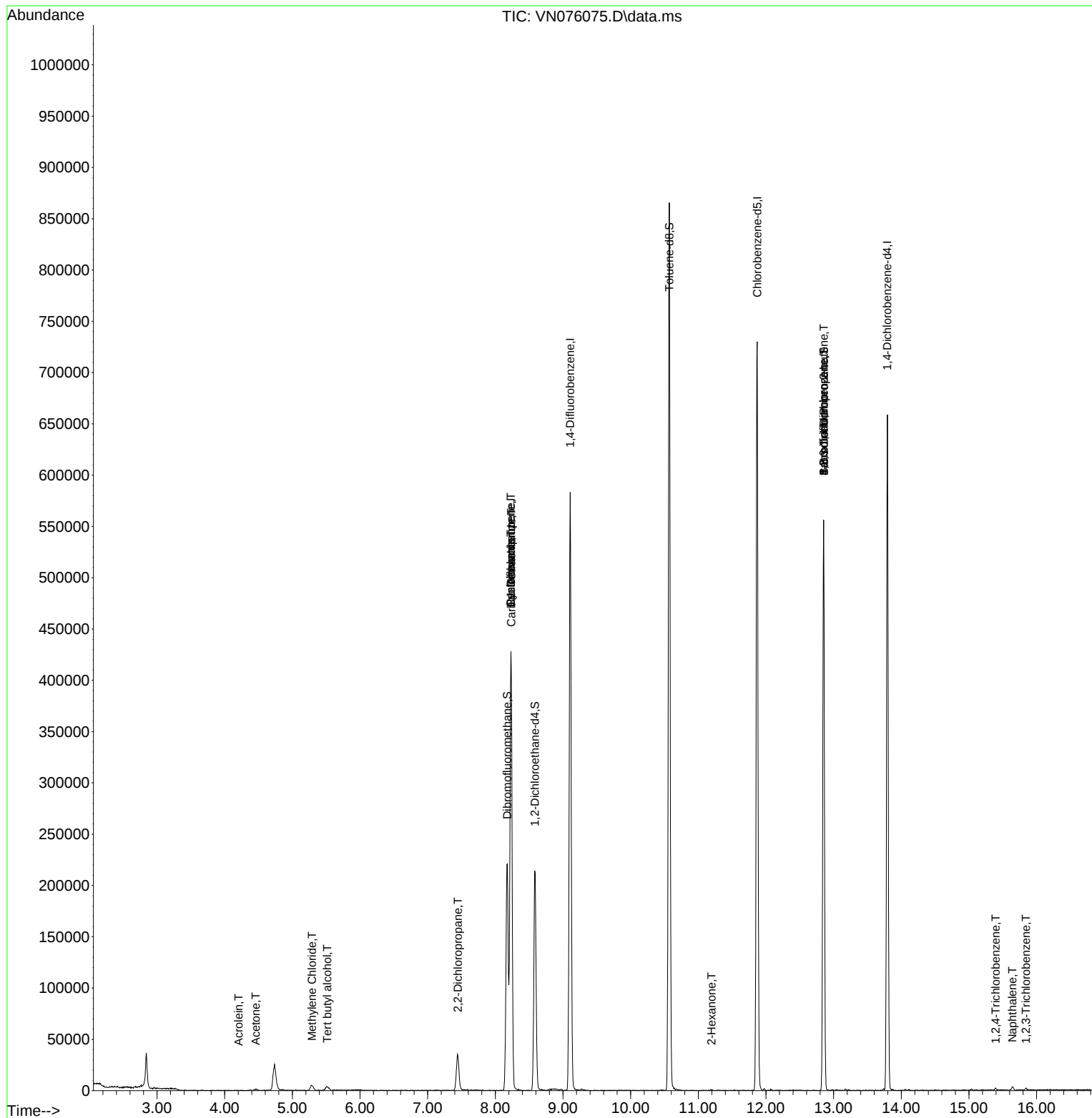
Internal Standards						
1) Pentafluorobenzene	8.230	168	336323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	530914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	455491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	178072	48.668	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.340%
35) Dibromofluoromethane	8.177	113	160776	48.900	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	10.571	98	605614	49.265	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.520%
62) 4-Bromofluorobenzene	12.853	95	185478	45.554	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	3609	6.971	ug/l #	72
13) Acrolein	4.206	56	129	0.203	ug/l #	16
16) Acetone	4.459	43	2271	1.801	ug/l #	39
20) Methylene Chloride	5.289	84	4710	0.765	ug/l	93
26) 2,2-Dichloropropane	7.447	77	2401	0.502	ug/l #	50
31) Cyclohexane	8.230	56	6257	1.194	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	24562	5.624	ug/l #	49
38) Carbon Tetrachloride	8.236	117	33065	6.764	ug/l #	15
59) 2-Hexanone	11.194	43	747	0.293	ug/l #	59
71) Bromoform	12.853	173	1386	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	95136	25.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95136	92.093	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	969	0.319	ug/l #	74
95) Naphthalene	15.641	128	4749	2.630	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	749	0.264	ug/l	89

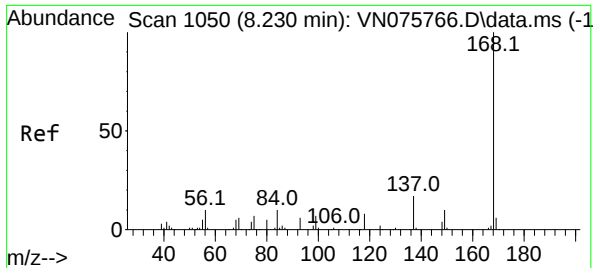
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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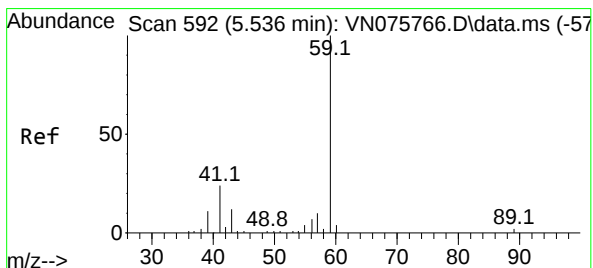
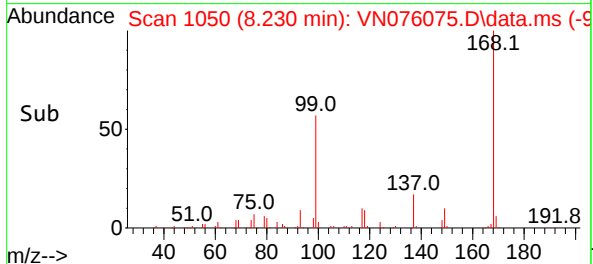
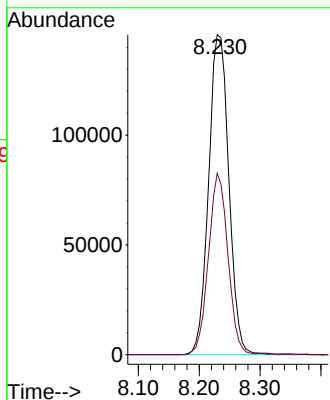
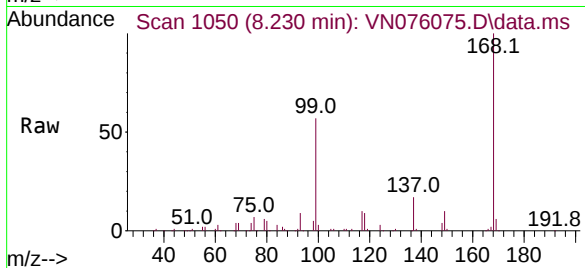




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

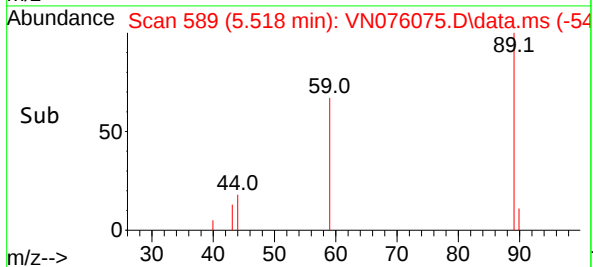
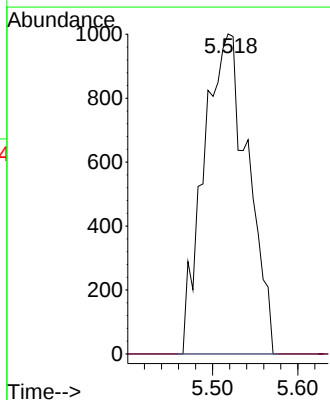
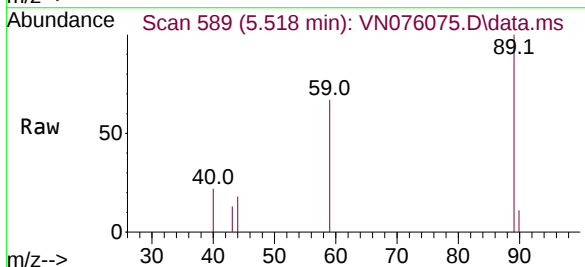
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

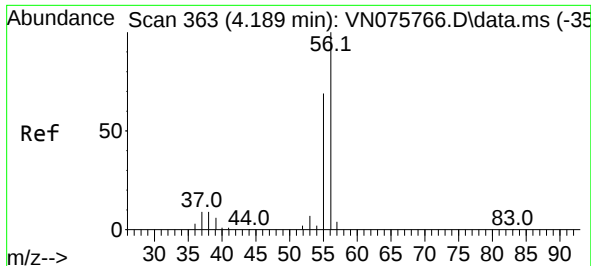
Tgt Ion:168 Resp: 336323
Ion Ratio Lower Upper
168 100
99 56.7 44.2 66.4



#11
Tert butyl alcohol
Concen: 6.971 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.018 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 59 Resp: 3609
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

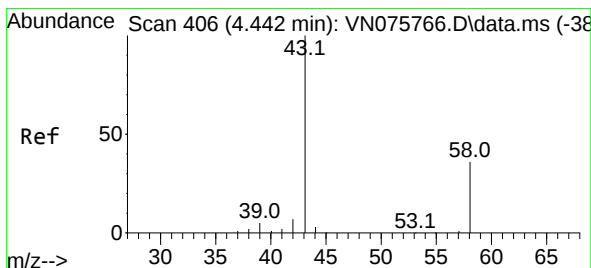
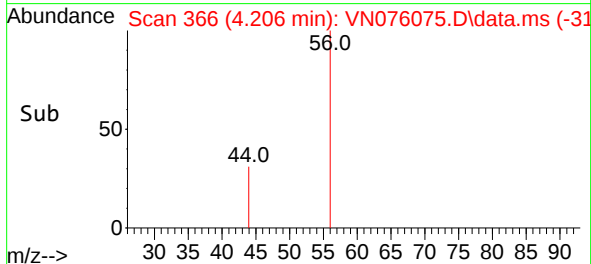
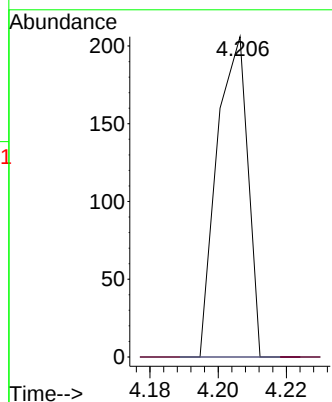
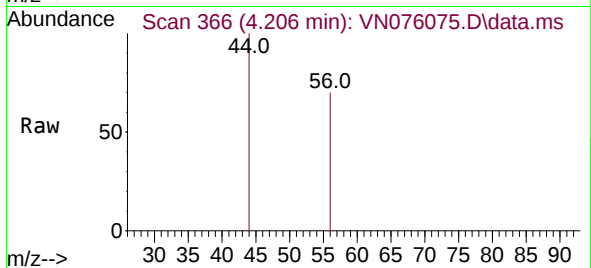




#13
Acrolein
Concen: 0.203 ug/l
RT: 4.206 min Scan# 309
Delta R.T. 0.018 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

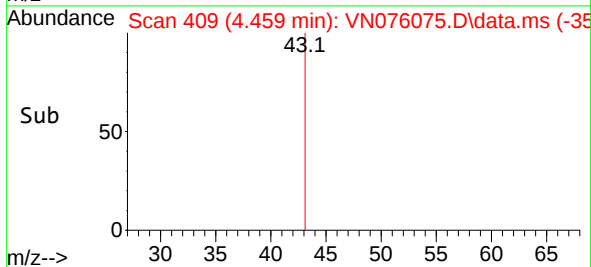
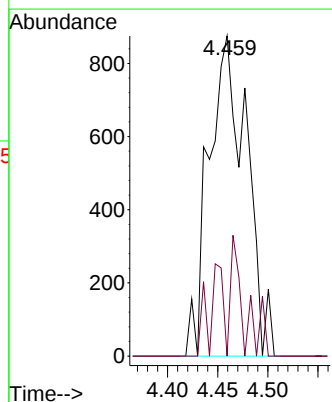
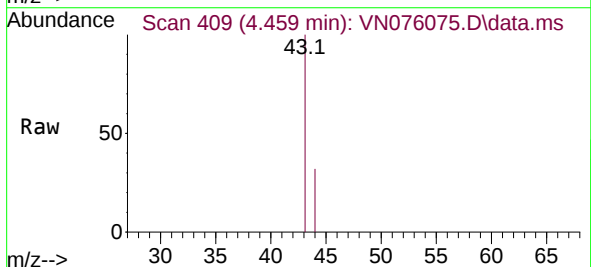
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 1.801 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

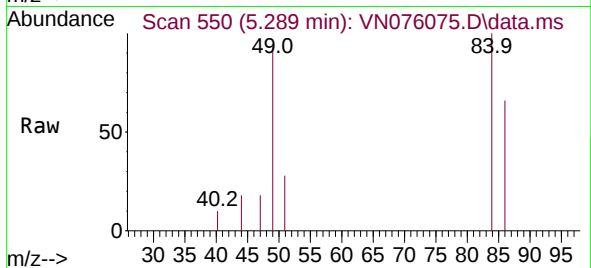
Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



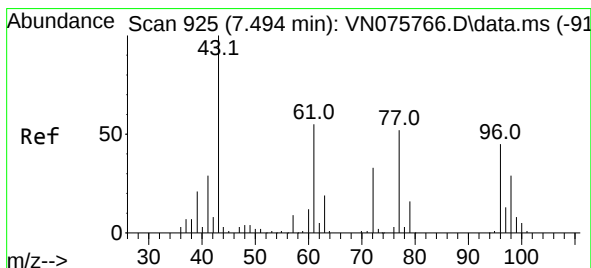
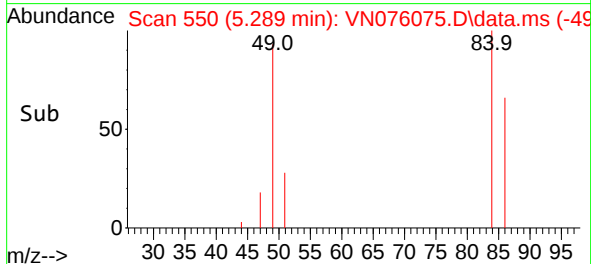
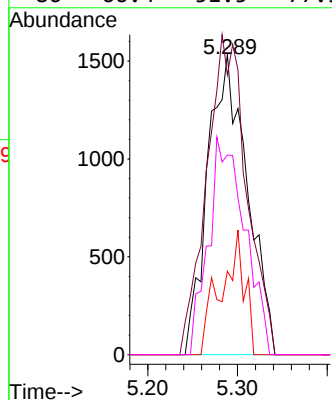


#20
Methylene Chloride
Concen: 0.765 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

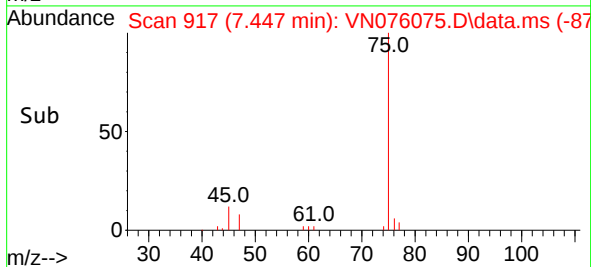
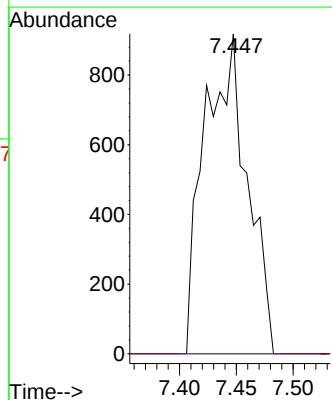
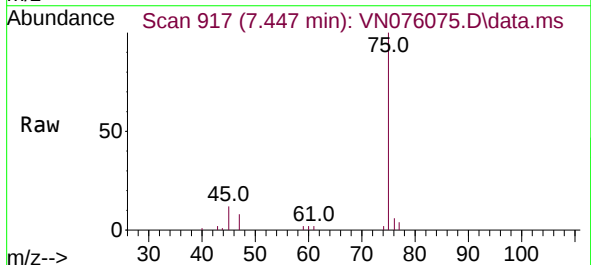


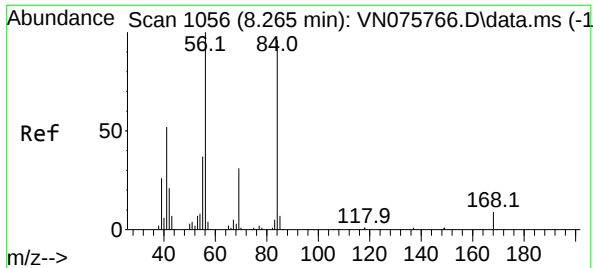
Tgt Ion: 84	Resp: 4710
Ion Ratio	Lower Upper
84 100	
49 93.1	81.8 122.6
51 27.8	26.7 40.1
86 66.4	51.5 77.3



#26
2,2-Dichloropropane
Concen: 0.502 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.047 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 77	Resp: 2401
Ion Ratio	Lower Upper
77 100	
97 0.0	12.7 38.0#

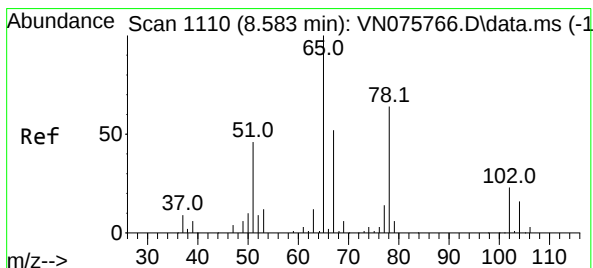
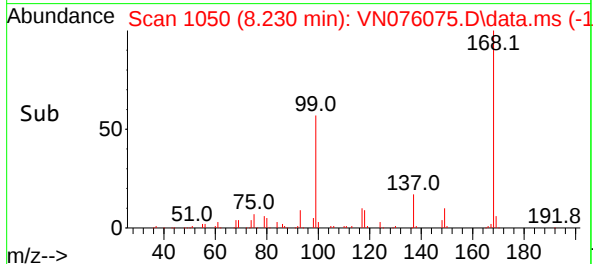
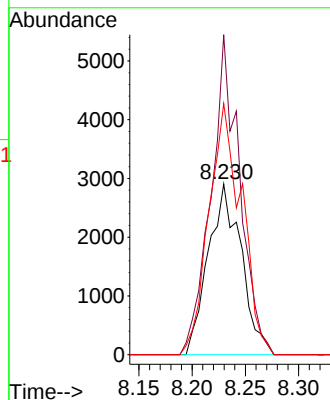
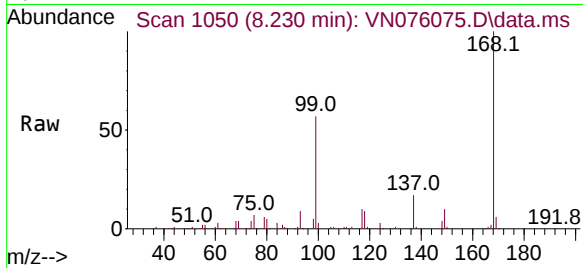




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

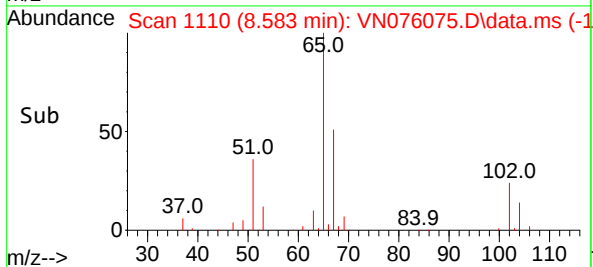
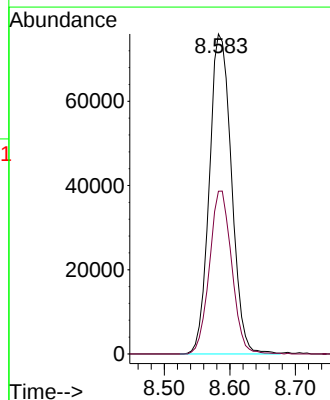
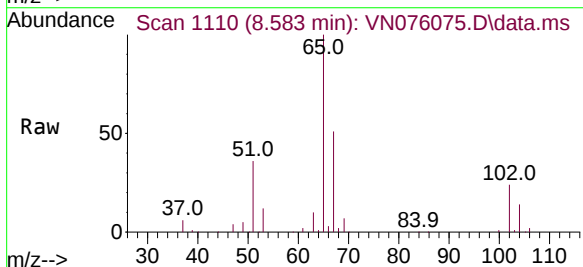
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

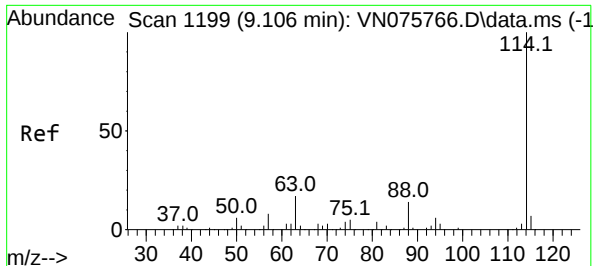
Tgt Ion: 56 Resp: 6257
Ion Ratio Lower Upper
56 100
69 187.4 24.7 37.1#
84 147.0 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.668 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 65 Resp: 178072
Ion Ratio Lower Upper
65 100
67 51.2 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: VN076075.D

Acq: 04 Jan 2023 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBL01

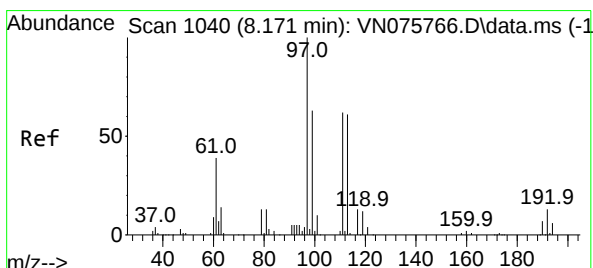
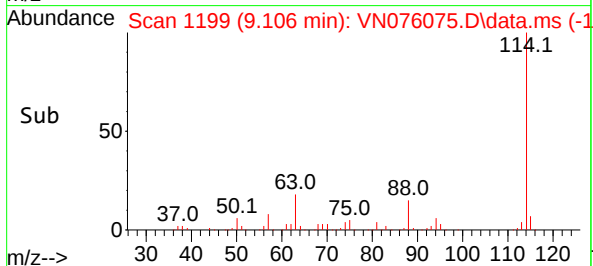
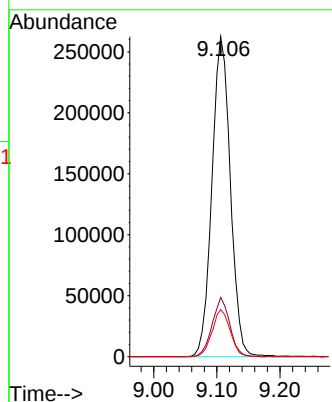
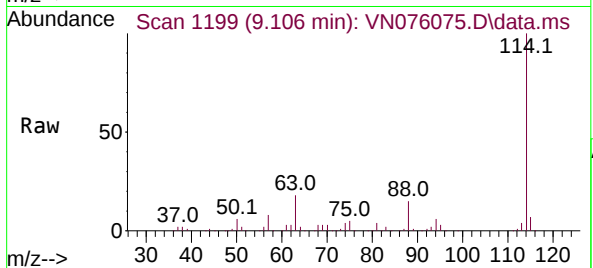
Tgt Ion:114 Resp: 530914

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.900 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076075.D

Acq: 04 Jan 2023 12:30

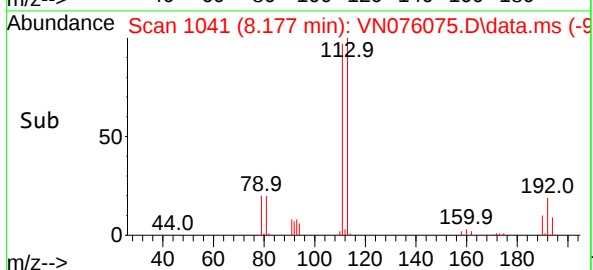
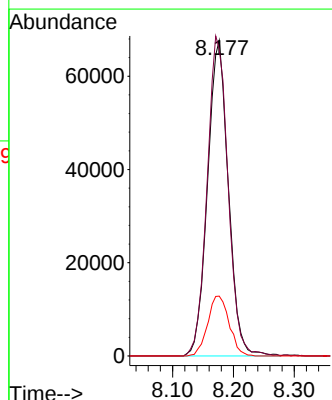
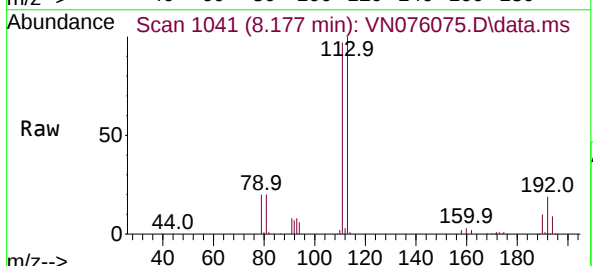
Tgt Ion:113 Resp: 160776

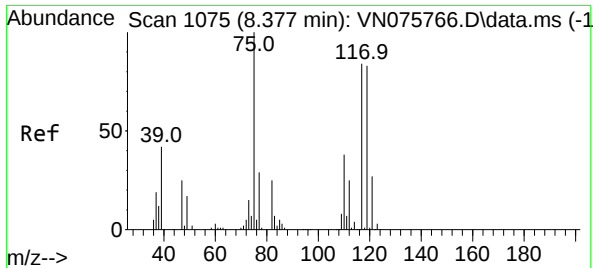
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

192 19.6 16.1 24.1

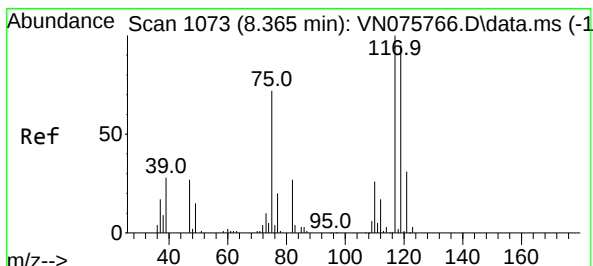
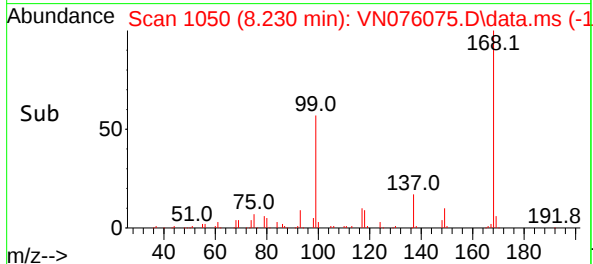
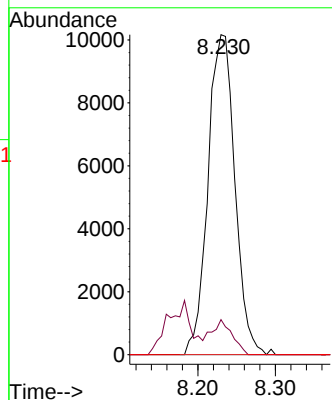
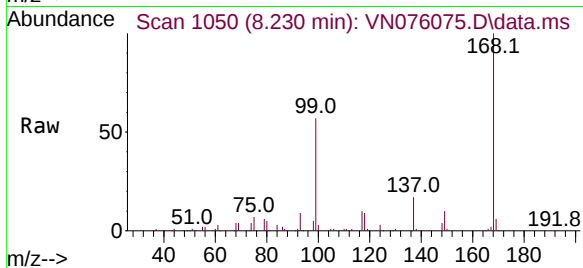




#36
1,1-Dichloropropene
Concen: 5.624 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

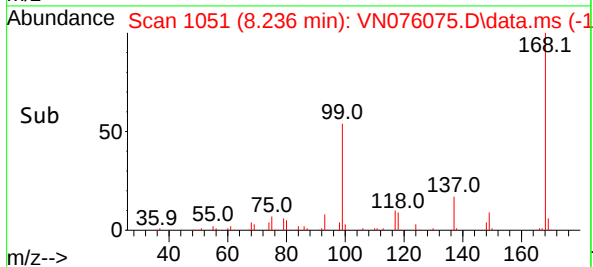
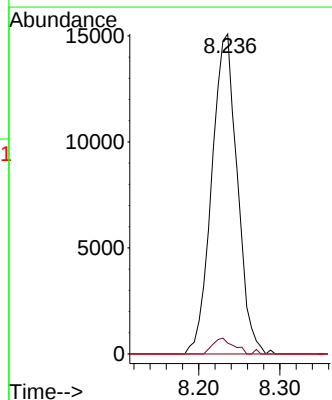
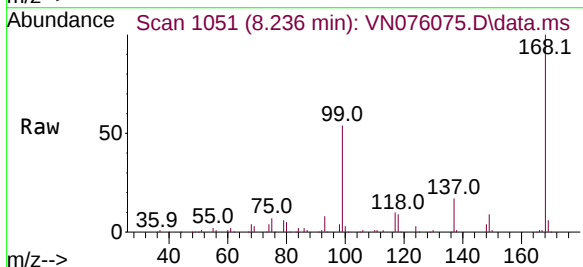
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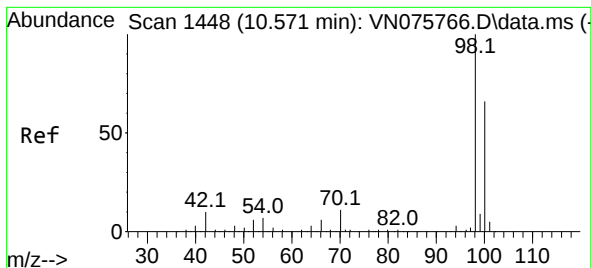
Tgt Ion: 75 Resp: 24562
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.764 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 117 Resp: 33065
Ion Ratio Lower Upper
117 100
119 3.4 76.1 114.1#
121 0.0 24.5 36.7#

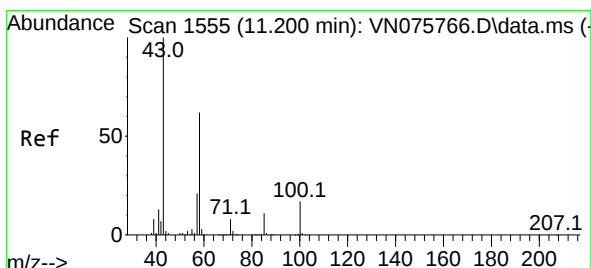
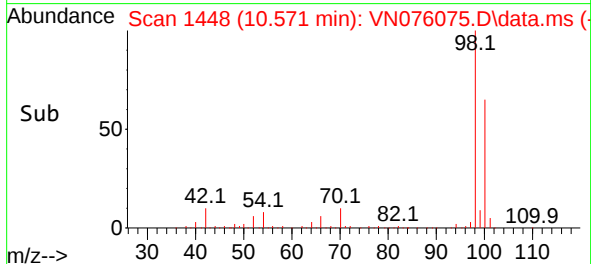
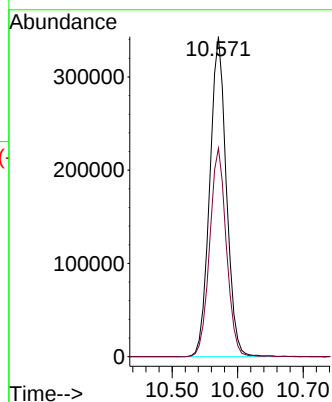
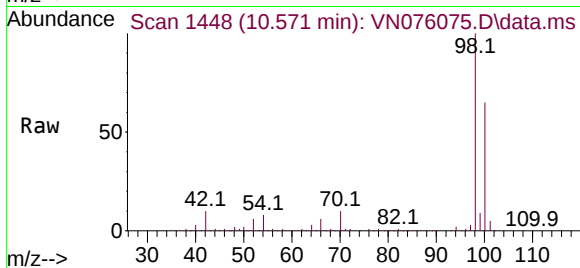




#50
Toluene-d8
Concen: 49.265 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

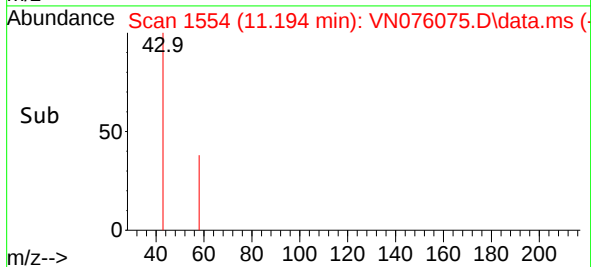
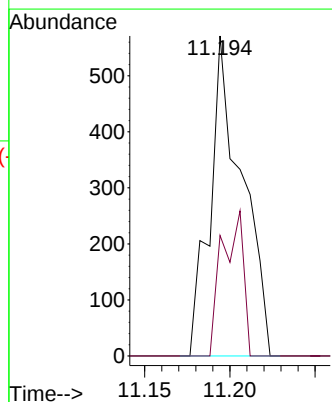
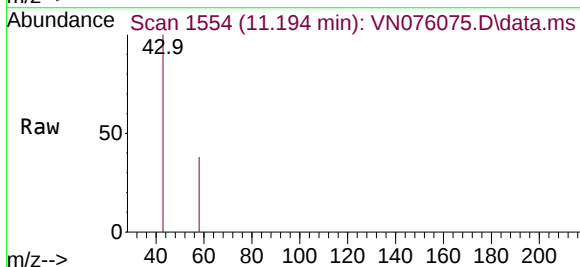
Instrument :
MSVOA_N
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VN0104WBL01

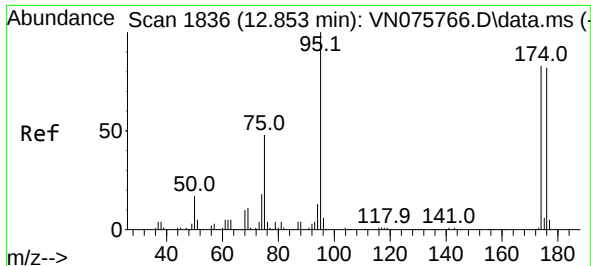
Tgt Ion: 98 Resp: 605614
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#59
2-Hexanone
Concen: 0.293 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
58 30.3 30.6 92.0#

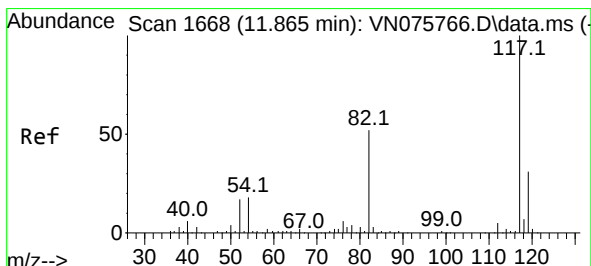
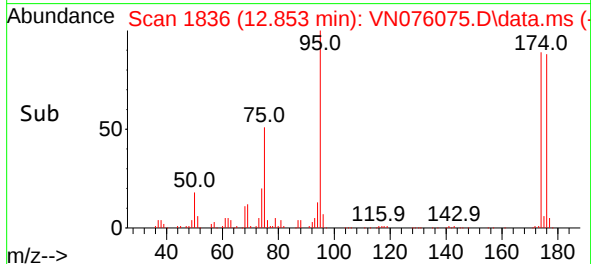
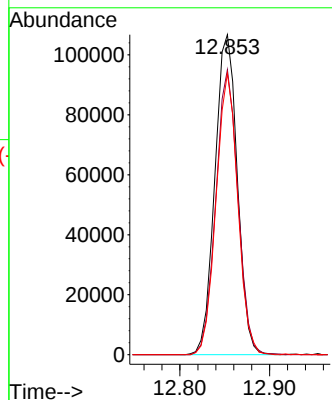
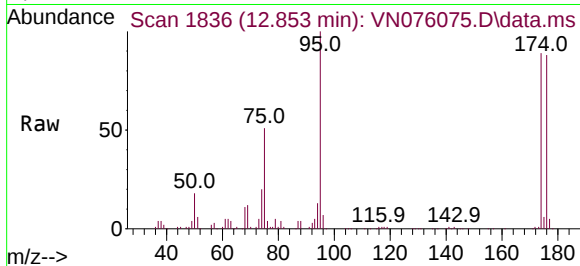




#62
4-Bromofluorobenzene
Concen: 45.554 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

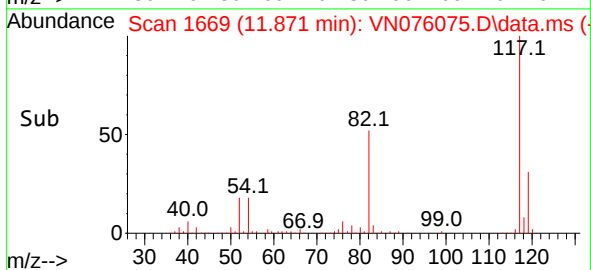
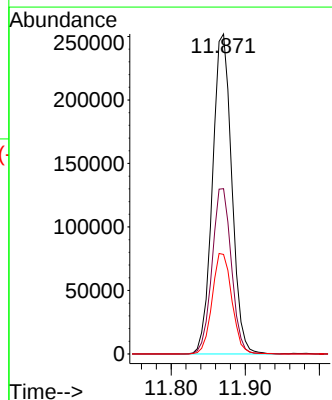
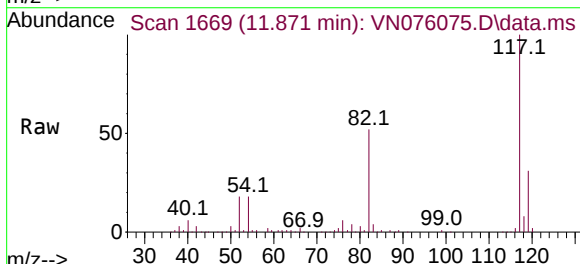
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

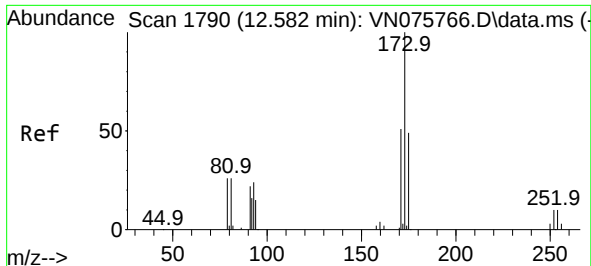
Tgt Ion: 95 Resp: 185478
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 84.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion: 117 Resp: 455491
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 31.1 24.6 37.0

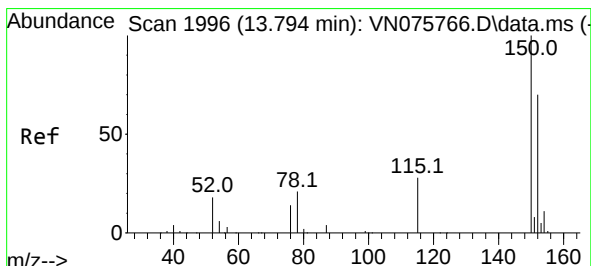
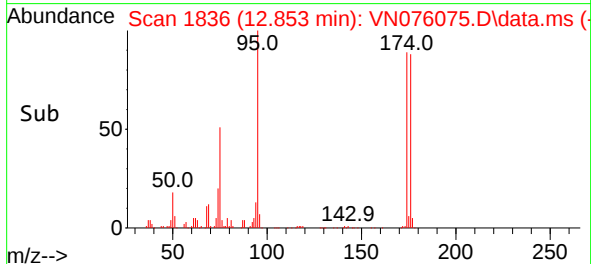
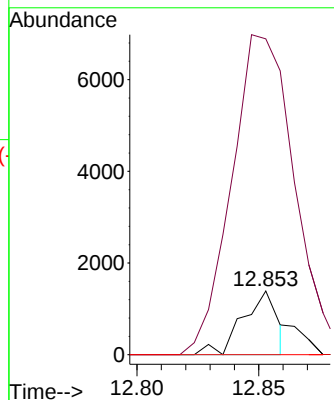
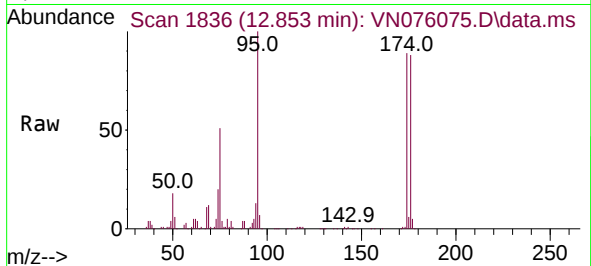




#71
Bromoform
Concen: 0.550 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

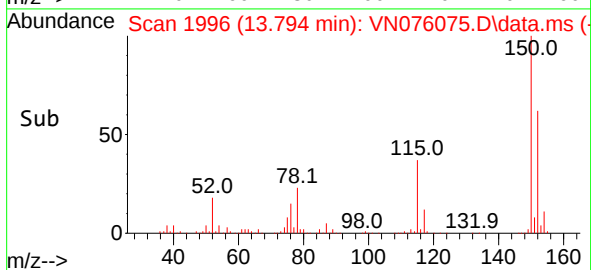
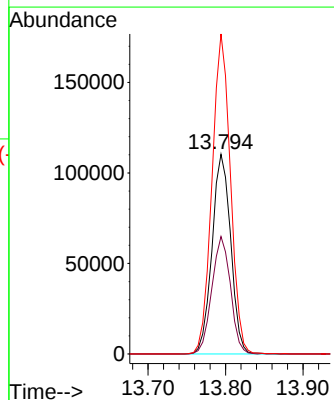
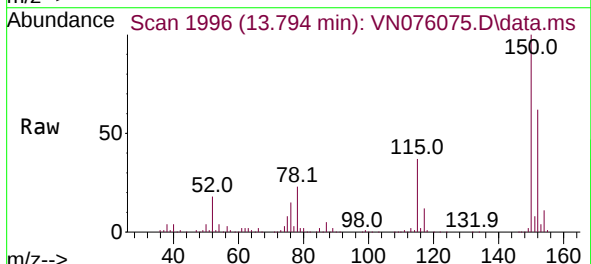
Instrument :
MSVOA_N
ClientSampleId :
VN0104WBL01

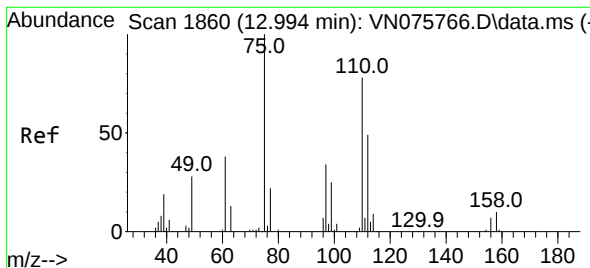
Tgt Ion:173 Resp: 1386
Ion Ratio Lower Upper
173 100
175 725.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076075.D
Acq: 04 Jan 2023 12:30

Tgt Ion:152 Resp: 184469
Ion Ratio Lower Upper
152 100
115 58.6 29.1 87.4
150 158.0 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.585 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076075.D

Acq: 04 Jan 2023 12:30

Instrument :

MSVOA_N

ClientSampleId :

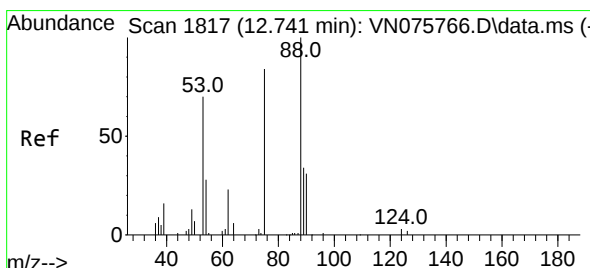
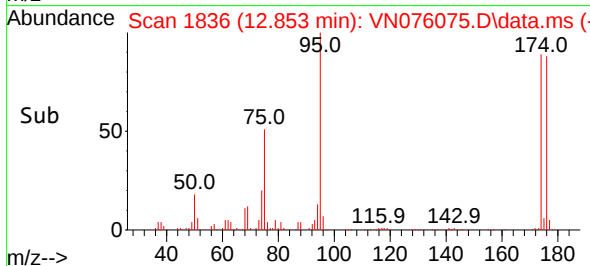
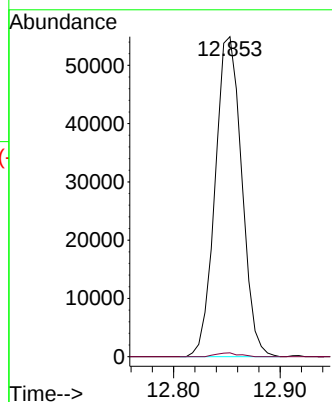
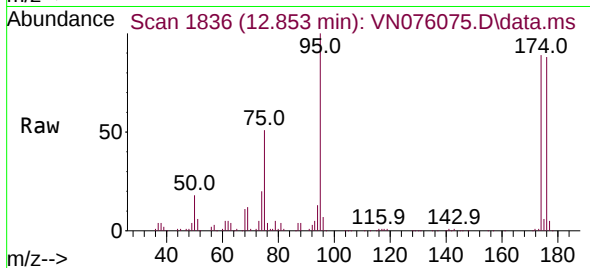
VN0104WBL01

Tgt Ion: 75 Resp: 95136

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.093 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076075.D

Acq: 04 Jan 2023 12:30

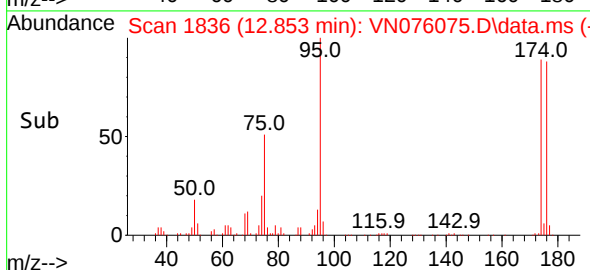
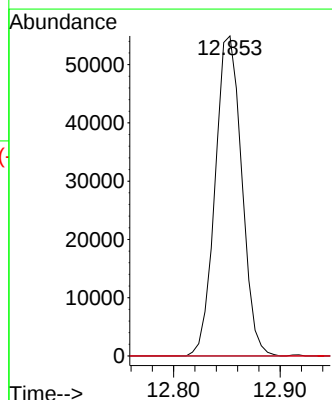
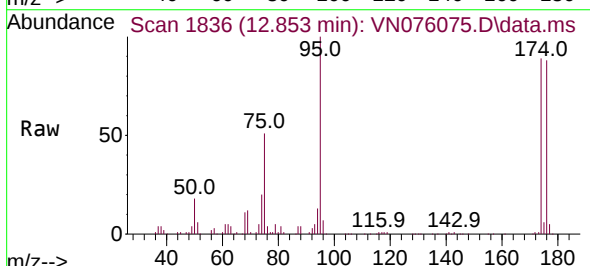
Tgt Ion: 75 Resp: 95136

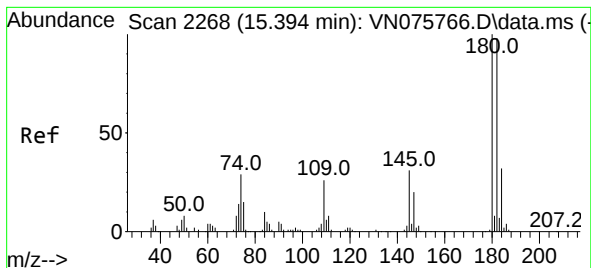
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.319 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN076075.D

Acq: 04 Jan 2023 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBL01

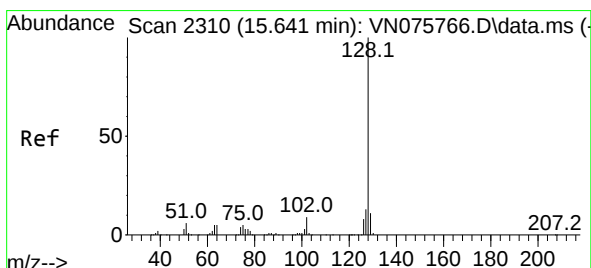
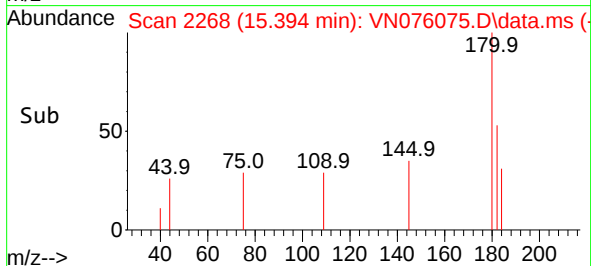
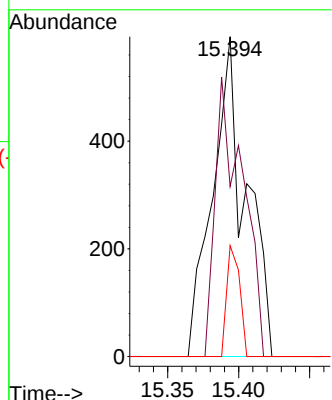
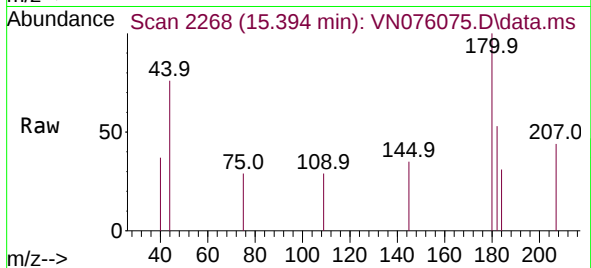
Tgt Ion:180 Resp: 969

Ion Ratio Lower Upper

180 100

182 72.0 47.5 142.5

145 13.4 15.3 45.8#



#95

Naphthalene

Concen: 2.630 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN076075.D

Acq: 04 Jan 2023 12:30

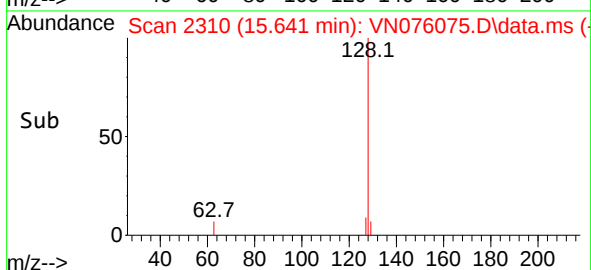
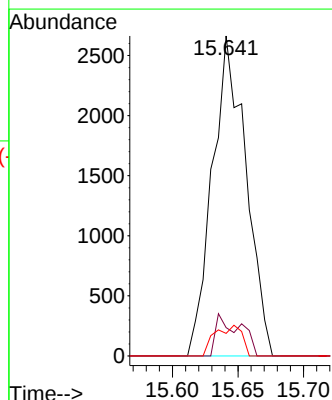
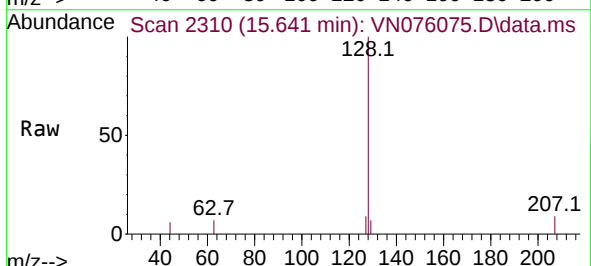
Tgt Ion:128 Resp: 4749

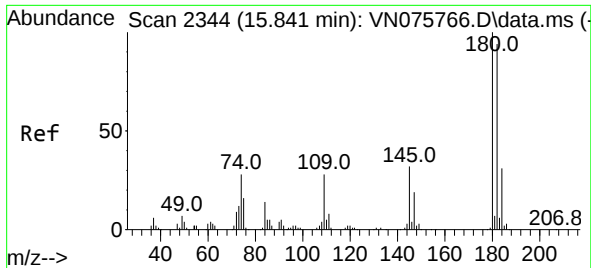
Ion Ratio Lower Upper

128 100

127 9.4 10.4 15.6#

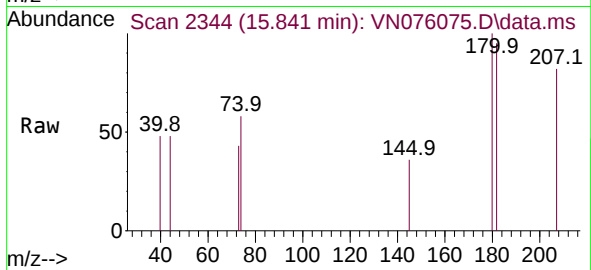
129 7.7 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.264 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN076075.D
 Acq: 04 Jan 2023 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBL01



Tgt Ion:	180	Resp:	749
Ion	Ratio	Lower	Upper
180	100		
182	106.1	47.0	141.0
145	27.8	16.0	47.9

