

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076669.D
 Acq On : 14 Feb 2023 18:36
 Operator : JC\MD
 Sample : 01549-06 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40189

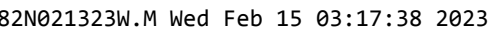
Quant Time: Feb 15 03:17:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

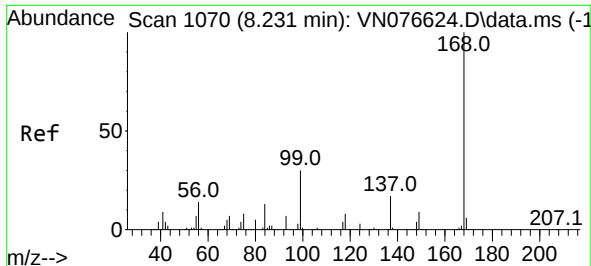
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	330591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	611283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	539512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	221315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	232567	50.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	101.900%		
35) Dibromofluoromethane	8.172	113	183932	45.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.900%		
50) Toluene-d8	10.572	98	732836	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.854	95	228990	46.246	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.500%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.543	59	2415	4.008	ug/l	95
13) Acrolein	4.296	56	484	0.535	ug/l #	1
16) Acetone	4.454	43	8590	4.213	ug/l	90
20) Methylene Chloride	5.295	84	1655	0.387	ug/l #	72
22) Diisopropyl ether	6.731	45	10174	0.734	ug/l #	1
23) Vinyl Acetate	6.737	43	22749	2.773	ug/l #	73
25) 2-Butanone	7.495	43	1183	0.393	ug/l #	51
31) Cyclohexane	8.231	56	8949	1.250	ug/l #	22
36) 1,1-Dichloropropene	8.231	75	30255	5.231	ug/l #	49
38) Carbon Tetrachloride	8.231	117	37088	6.356	ug/l #	16
43) Isopropyl Acetate	8.725	43	5440	0.549	ug/l #	56
56) Ethyl methacrylate	10.807	69	1949	0.318	ug/l #	1
59) 2-Hexanone	10.948	43	11504	2.532	ug/l	94
71) Bromoform	12.842	173	2766	0.908	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	125730	28.100	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	125730	81.843	ug/l #	4

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

Quant Time: Feb 15 03:17:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
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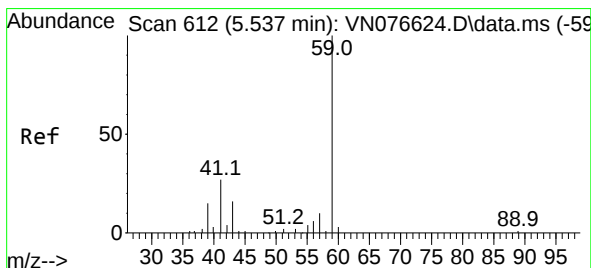
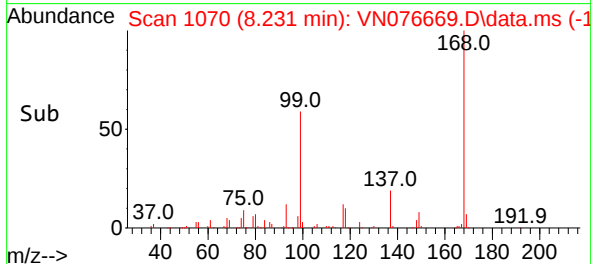
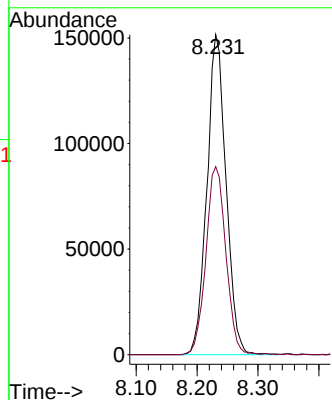
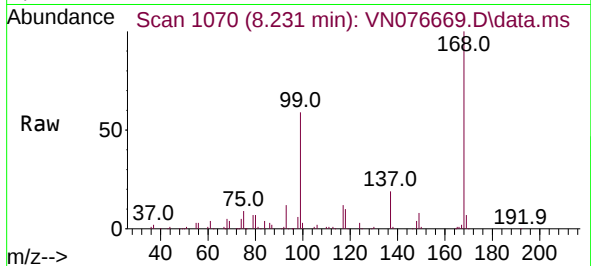




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

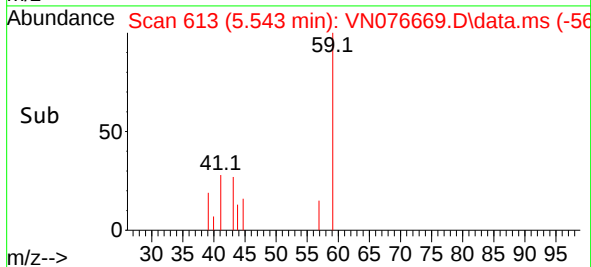
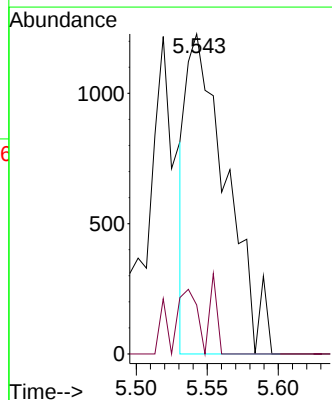
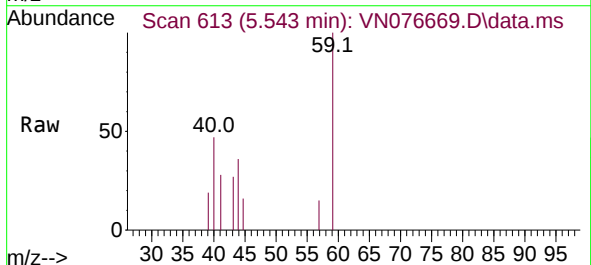
Instrument :
MSVOA_N
ClientSampleId :
40189

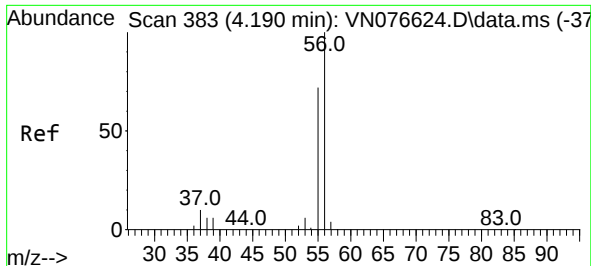
Tgt Ion:168 Resp: 330591
Ion Ratio Lower Upper
168 100
99 58.7 44.8 67.2



#11
Tert butyl alcohol
Concen: 4.008 ug/l
RT: 5.543 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 59 Resp: 2415
Ion Ratio Lower Upper
59 100
57 12.6 8.7 13.1





#13

Acrolein

Concen: 0.535 ug/l

RT: 4.296 min Scan# 401

Delta R.T. 0.106 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

Instrument :

MSVOA_N

ClientSampleId :

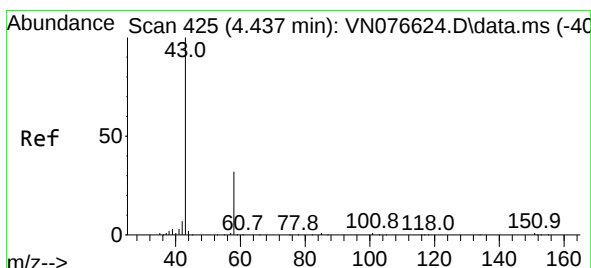
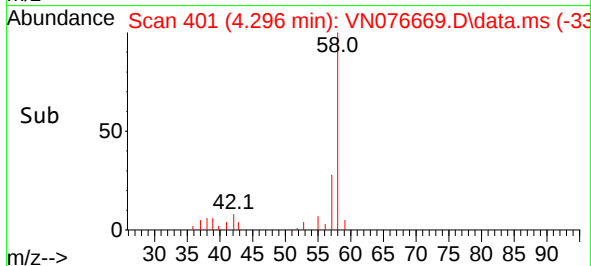
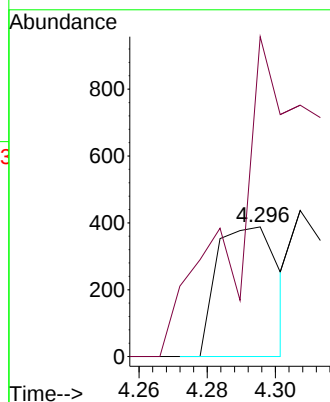
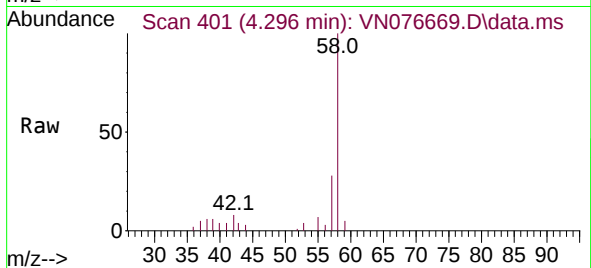
40189

Tgt Ion: 56 Resp: 484

Ion Ratio Lower Upper

56 100

55 405.6 56.3 84.5#



#16

Acetone

Concen: 4.213 ug/l

RT: 4.454 min Scan# 428

Delta R.T. 0.017 min

Lab File: VN076669.D

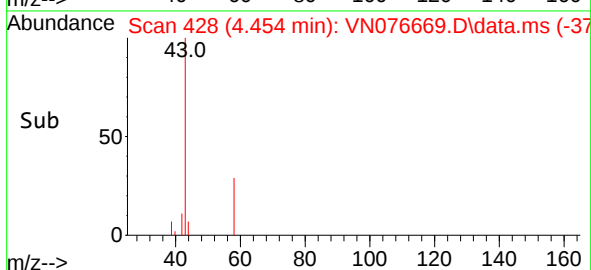
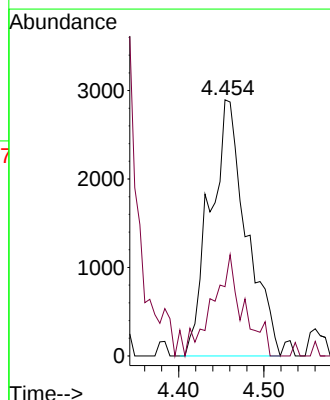
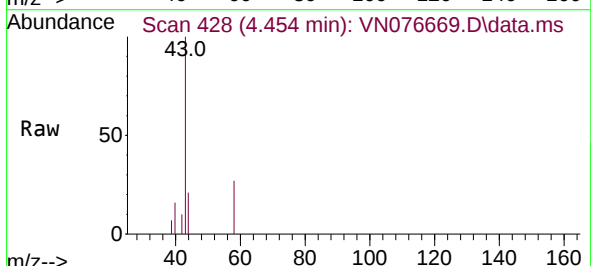
Acq: 14 Feb 2023 18:36

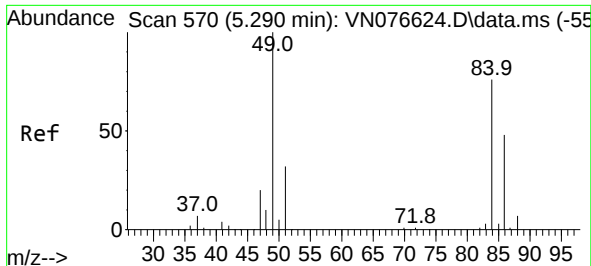
Tgt Ion: 43 Resp: 8590

Ion Ratio Lower Upper

43 100

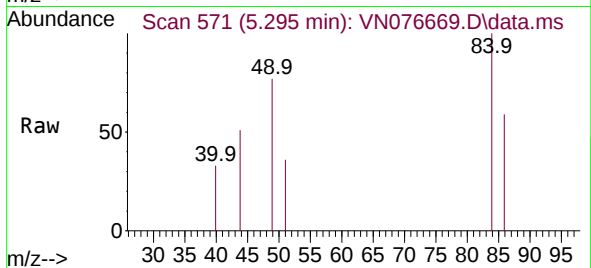
58 27.0 25.9 38.9



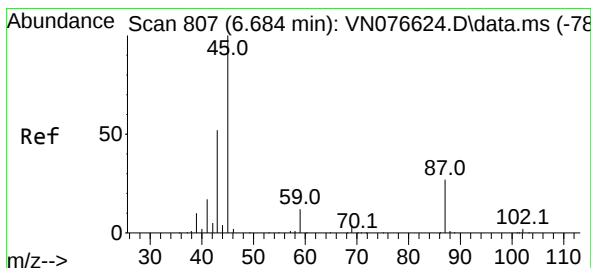
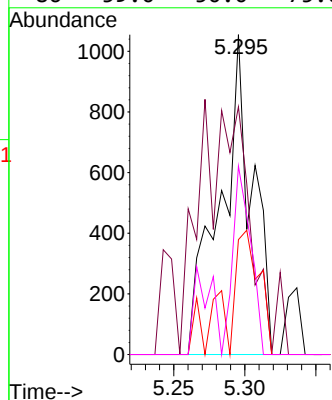


#20
Methylene Chloride
Concen: 0.387 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

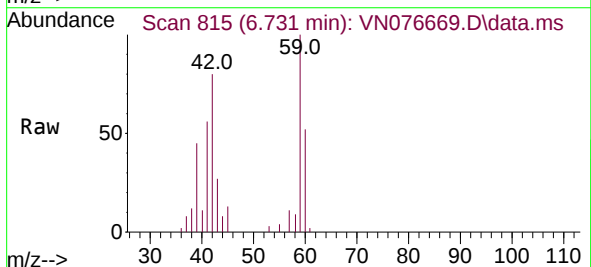
Instrument :
MSVOA_N
ClientSampleId :
40189



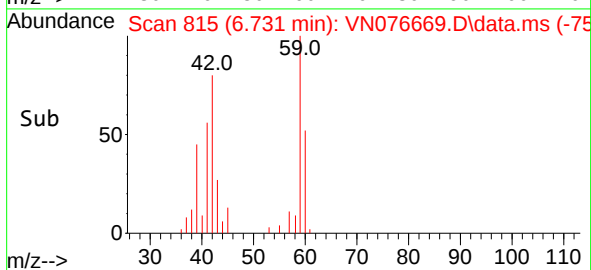
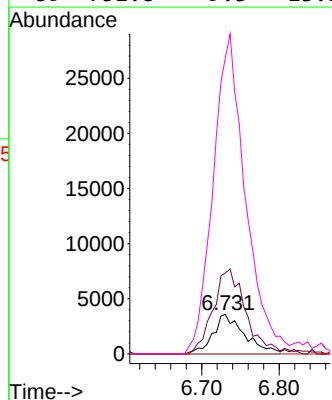
Tgt Ion:	84	Resp:	1655
Ion	Ratio	Lower	Upper
84	100		
49	77.4	104.9	157.3#
51	35.9	33.8	50.8
86	59.0	50.0	75.0

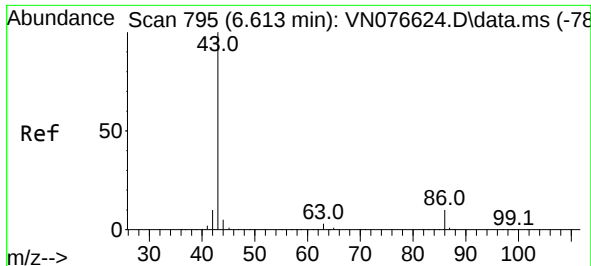


#22
Diisopropyl ether
Concen: 0.734 ug/l
RT: 6.731 min Scan# 815
Delta R.T. 0.047 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36



Tgt Ion:	45	Resp:	10174
Ion	Ratio	Lower	Upper
45	100		
43	205.5	41.8	62.6#
87	0.0	21.8	32.8#
59	751.8	9.3	13.9#

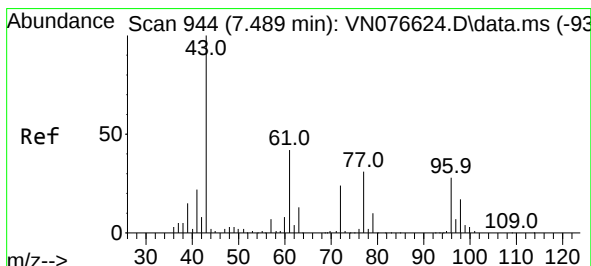
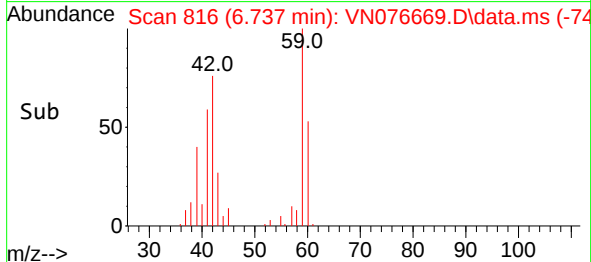
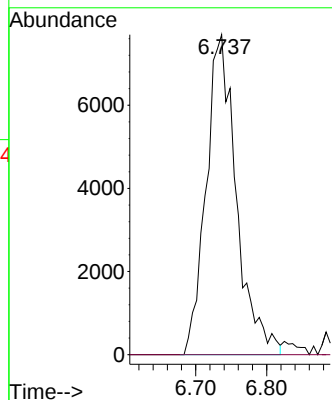
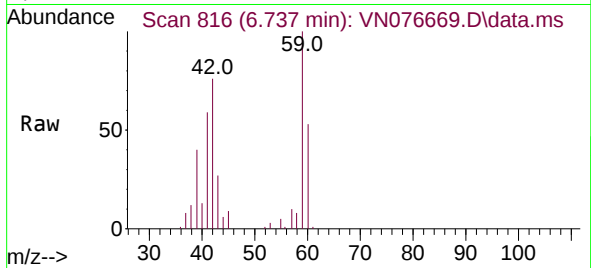




#23
 Vinyl Acetate
 Concen: 2.773 ug/l
 RT: 6.737 min Scan# 81
 Delta R.T. 0.124 min
 Lab File: VN076669.D
 Acq: 14 Feb 2023 18:36

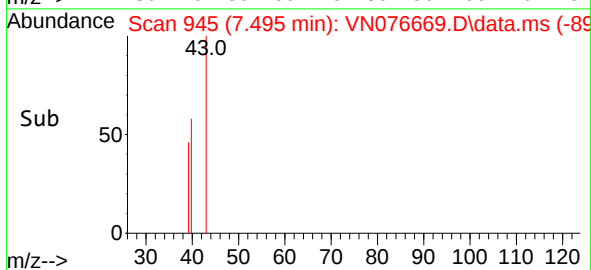
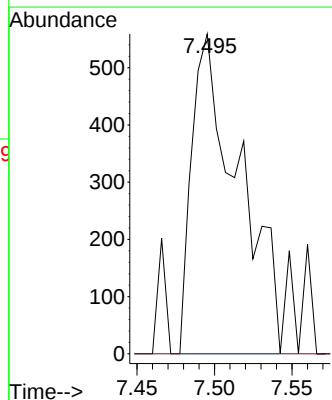
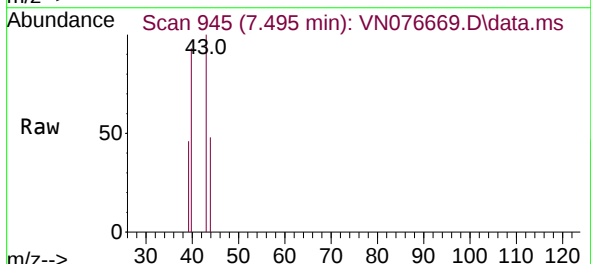
Instrument :
 MSVOA_N
 ClientSampleId :
 40189

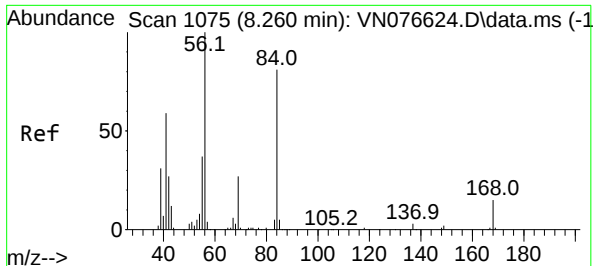
Tgt Ion: 43 Resp: 22749
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2#



#25
 2-Butanone
 Concen: 0.393 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN076669.D
 Acq: 14 Feb 2023 18:36

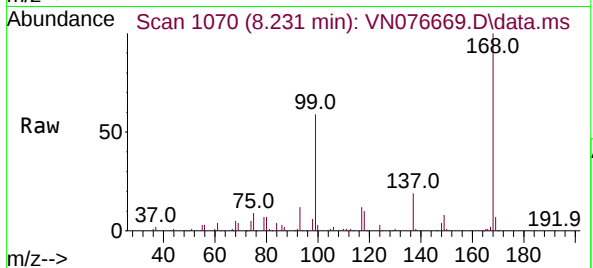
Tgt Ion: 43 Resp: 1183
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.4 29.2#



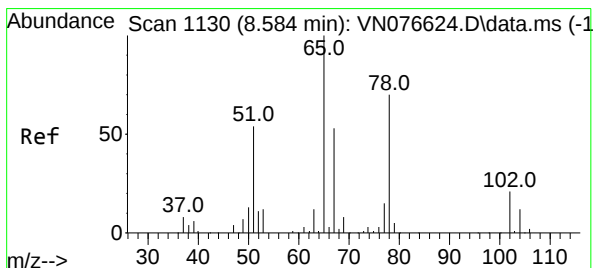
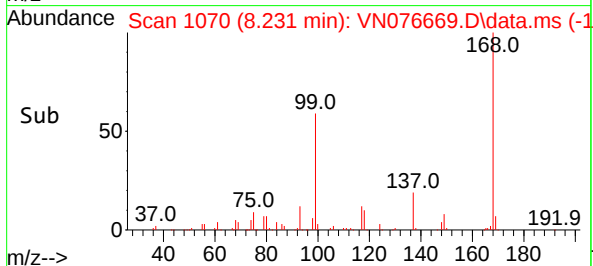
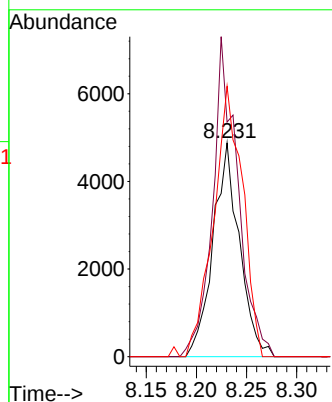


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Instrument :
MSVOA_N
ClientSampleId :
40189

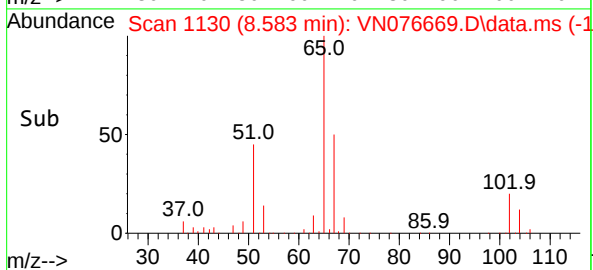
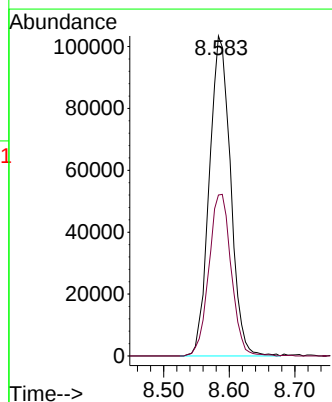
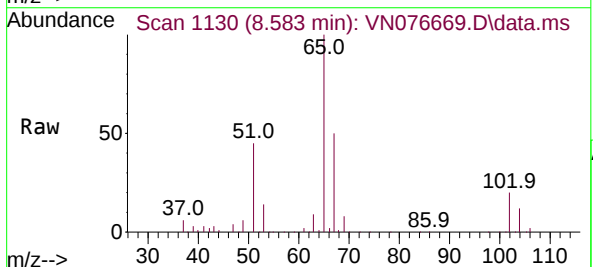


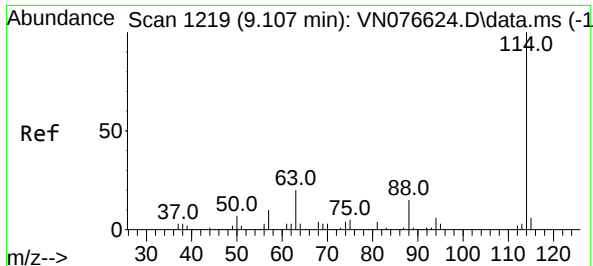
Tgt Ion: 56 Resp: 8949
Ion Ratio Lower Upper
56 100
69 109.7 21.6 32.4#
84 126.5 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 50.946 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 65 Resp: 232567
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

Instrument :

MSVOA_N

ClientSampleId :

40189

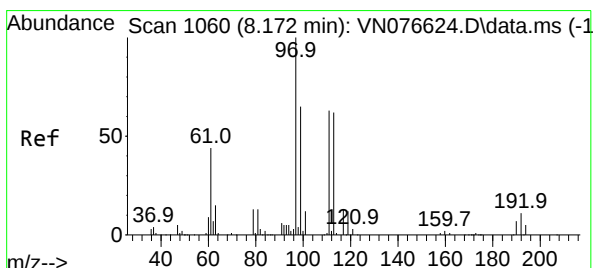
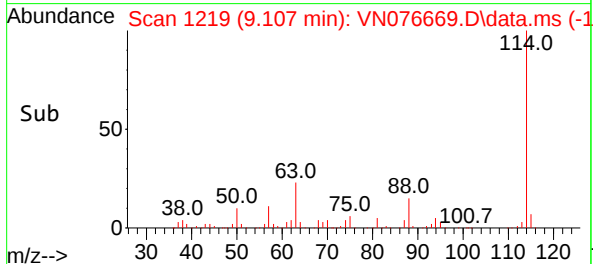
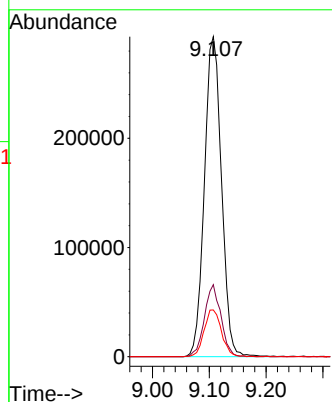
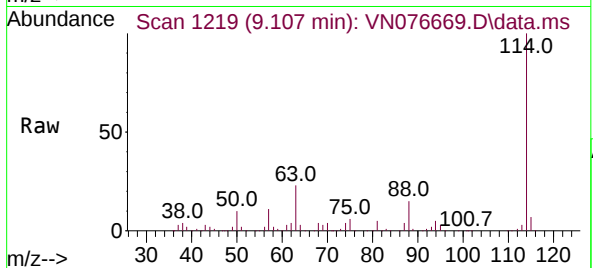
Tgt Ion:114 Resp: 611283

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.6 0.0 29.6



#35

Dibromofluoromethane

Concen: 45.946 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

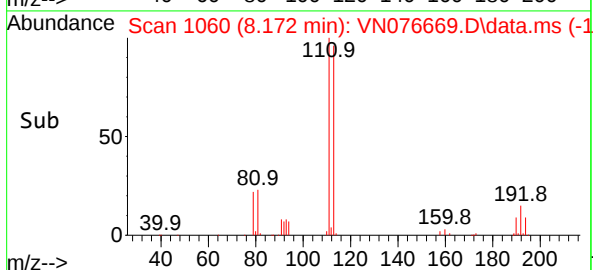
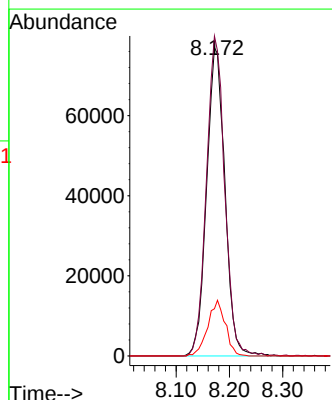
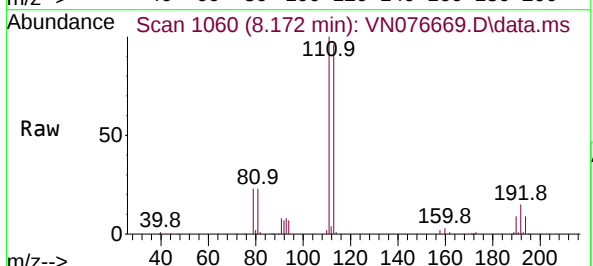
Tgt Ion:113 Resp: 183932

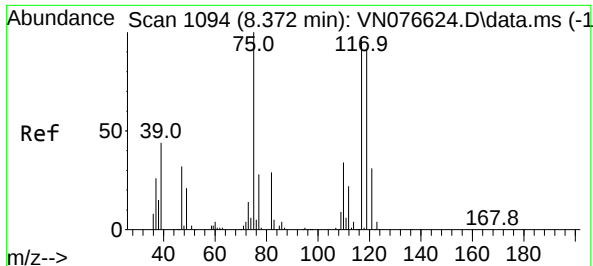
Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

192 17.4 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.231 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

Instrument :

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40189

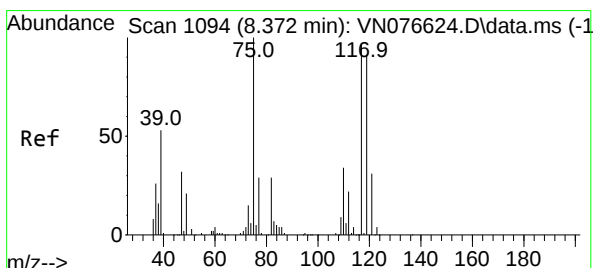
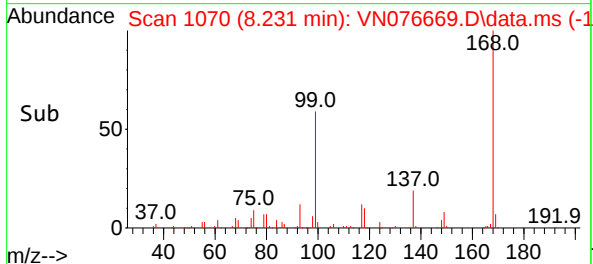
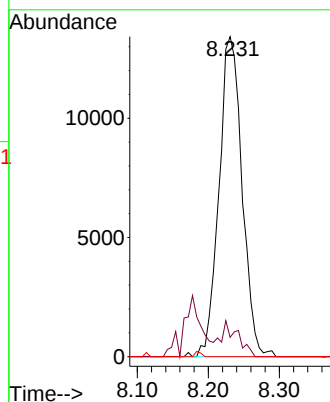
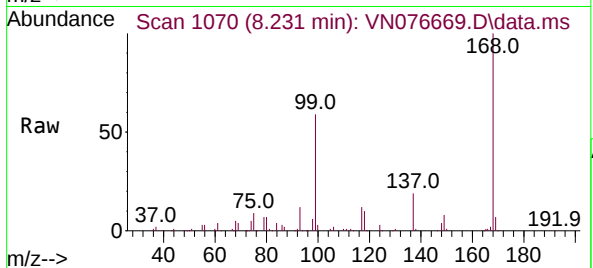
Tgt Ion: 75 Resp: 30255

Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.5#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.356 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.141 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

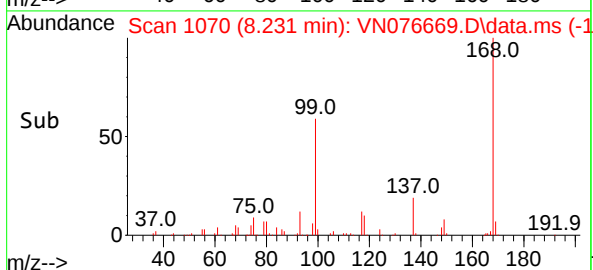
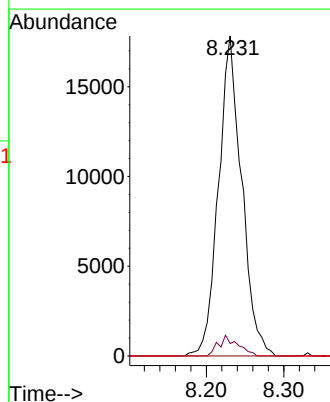
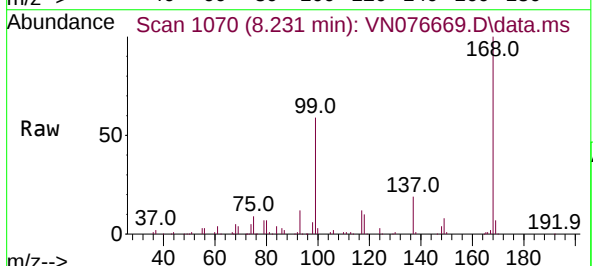
Tgt Ion: 117 Resp: 37088

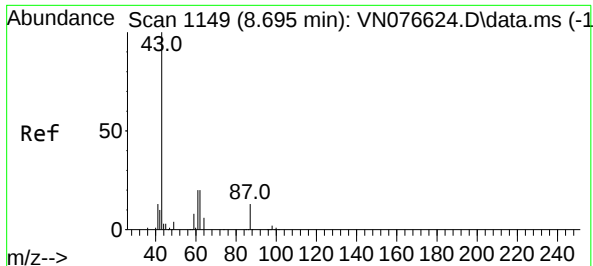
Ion Ratio Lower Upper

117 100

119 3.9 75.4 113.0#

121 0.0 26.0 39.0#

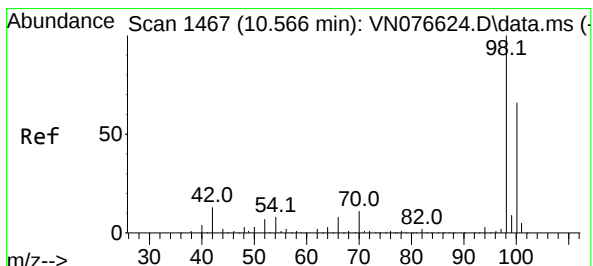
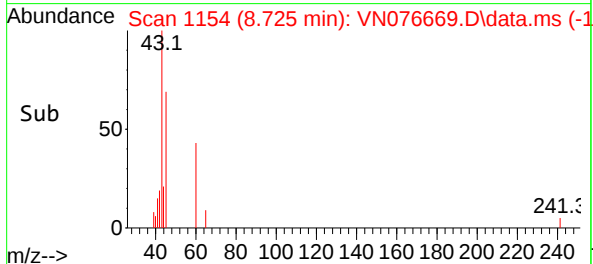
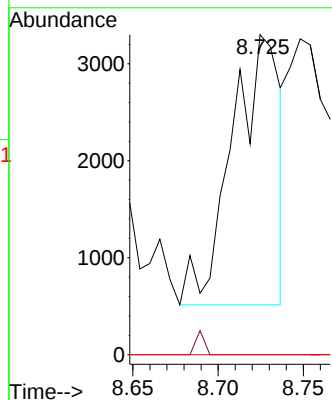
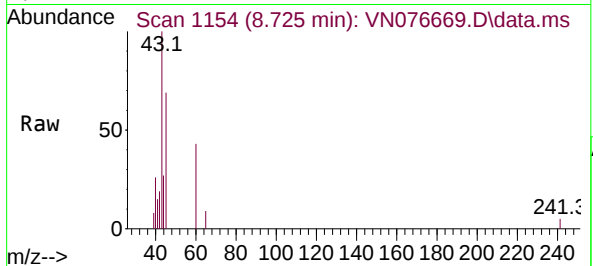




#43
Isopropyl Acetate
Concen: 0.549 ug/l
RT: 8.725 min Scan# 1154
Delta R.T. 0.030 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

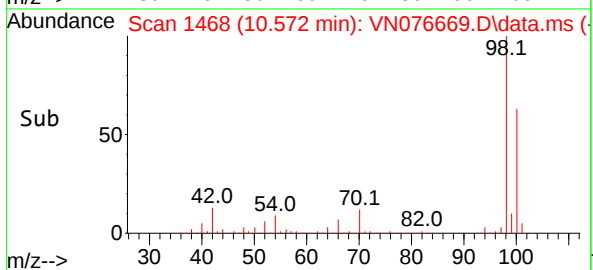
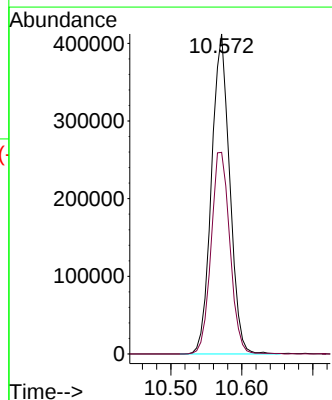
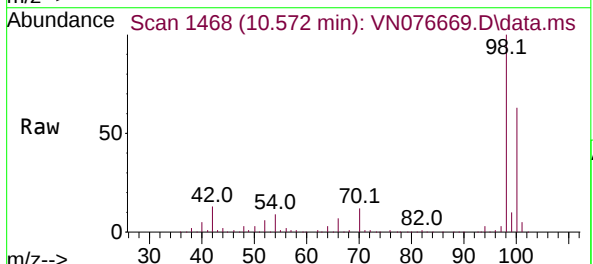
Instrument :
MSVOA_N
ClientSampleId :
40189

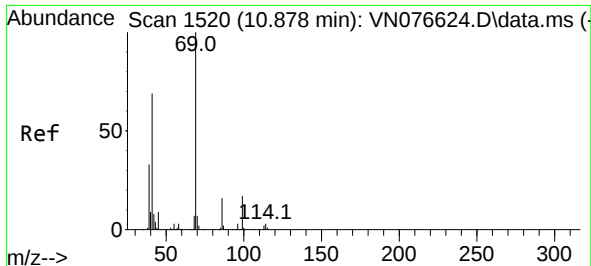
Tgt Ion: 43 Resp: 5440
Ion Ratio Lower Upper
43 100
61 0.0 20.0 30.0#
87 0.0 9.9 14.9#



#50
Toluene-d8
Concen: 49.019 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 98 Resp: 732836
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3

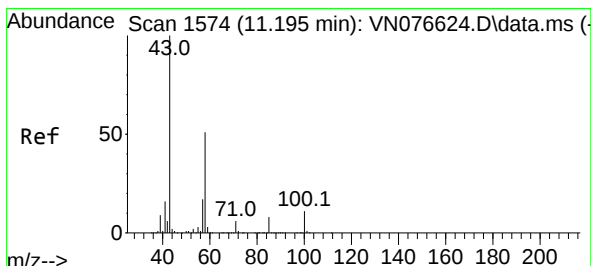
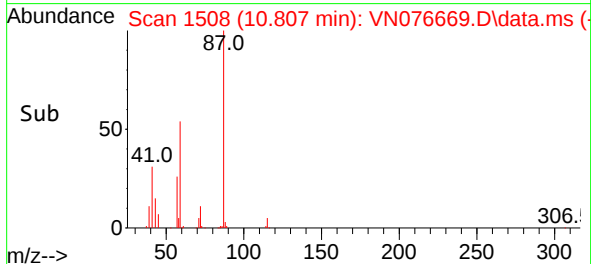
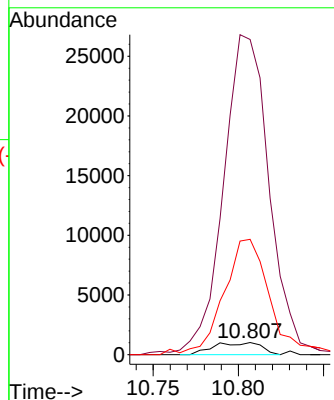
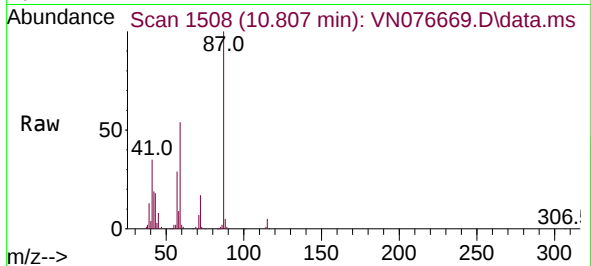




#56
Ethyl methacrylate
Concen: 0.318 ug/l
RT: 10.807 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

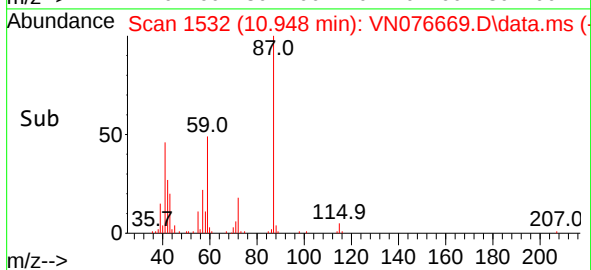
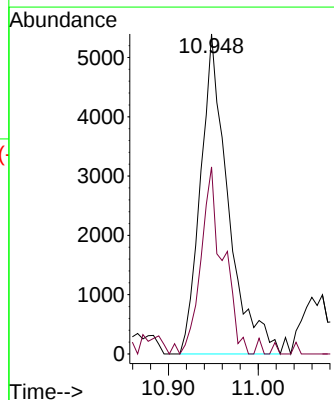
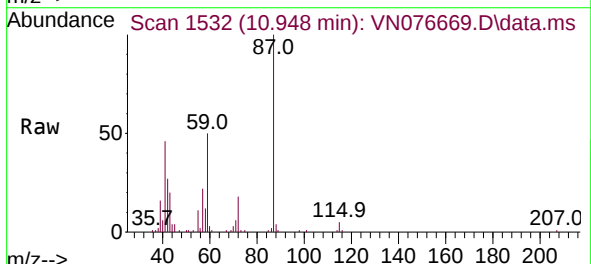
Instrument :
MSVOA_N
ClientSampleId :
40189

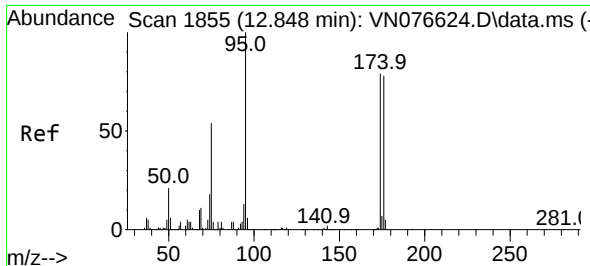
Tgt Ion: 69 Resp: 1949
Ion Ratio Lower Upper
69 100
41 2580.5 55.1 82.7#
39 935.6 30.7 46.1#



#59
2-Hexanone
Concen: 2.532 ug/l
RT: 10.948 min Scan# 1532
Delta R.T. -0.247 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 43 Resp: 11504
Ion Ratio Lower Upper
43 100
58 46.5 25.4 76.0

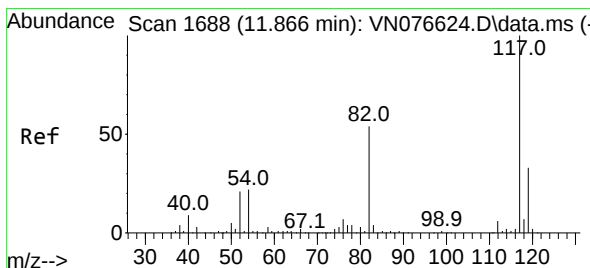
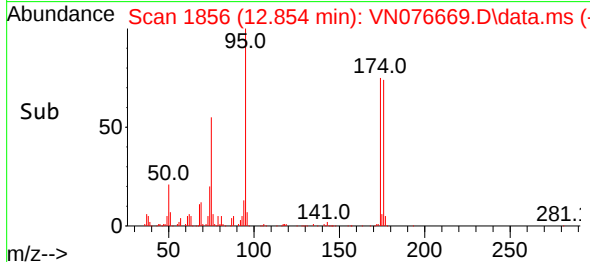
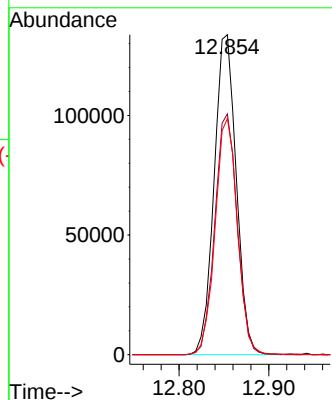
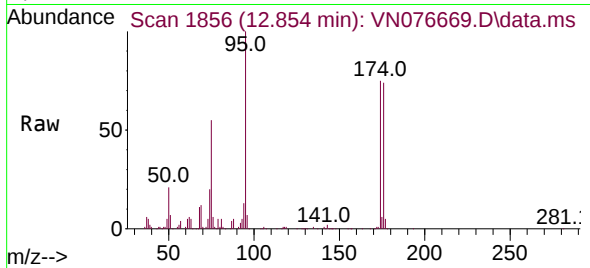




#62
4-Bromofluorobenzene
Concen: 46.246 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

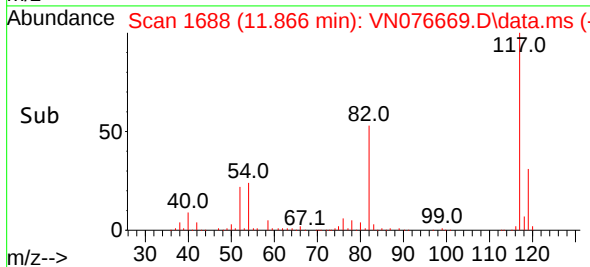
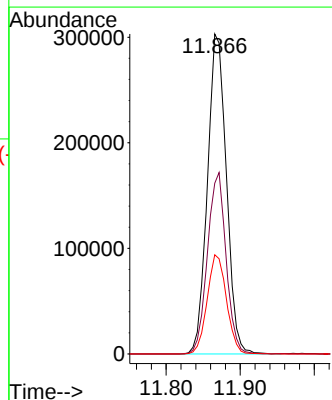
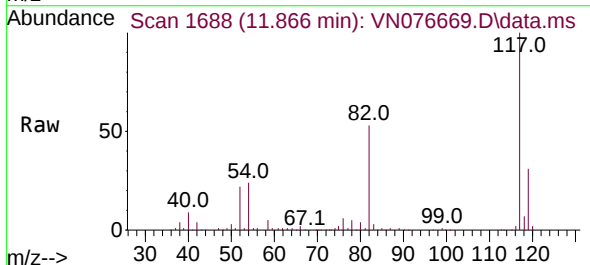
Instrument :
MSVOA_N
ClientSampleId :
40189

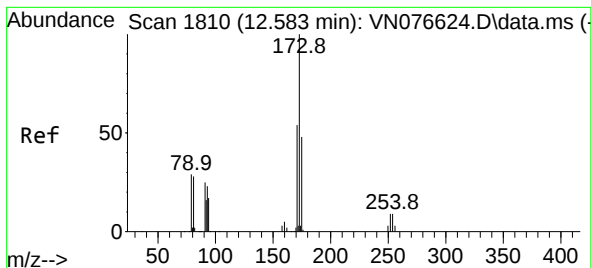
Tgt Ion: 95 Resp: 228990
Ion Ratio Lower Upper
95 100
174 76.0 0.0 169.2
176 74.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 117 Resp: 539512
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 31.0 26.1 39.1





#71

Bromoform

Concen: 0.908 ug/l

RT: 12.842 min Scan# 1810

Delta R.T. 0.259 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

Instrument :

MSVOA_N

ClientSampleId :

40189

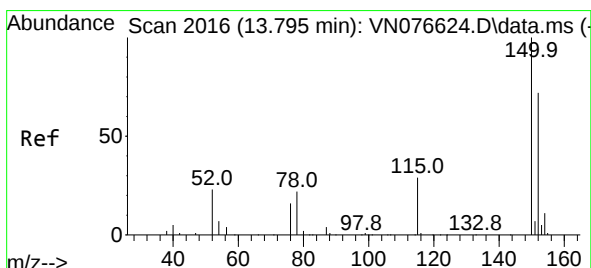
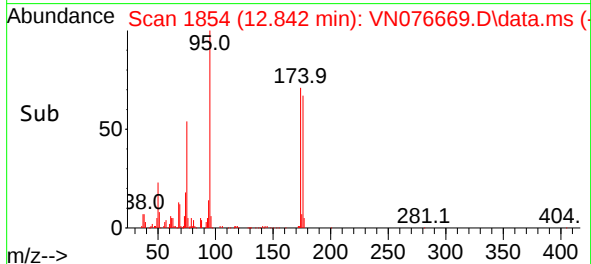
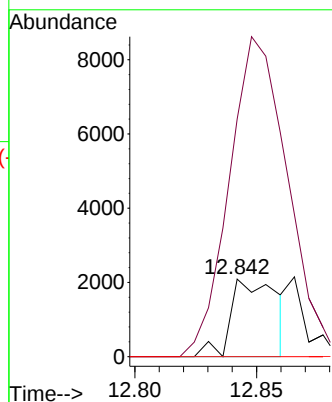
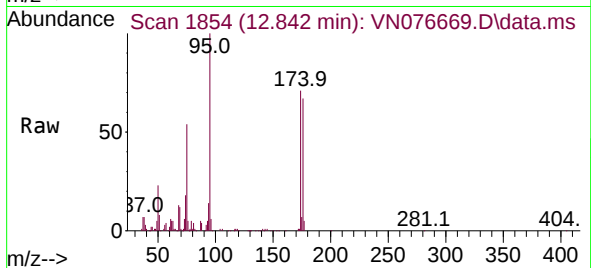
Tgt Ion:173 Resp: 2766

Ion Ratio Lower Upper

173 100

175 438.2 24.9 74.7#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076669.D

Acq: 14 Feb 2023 18:36

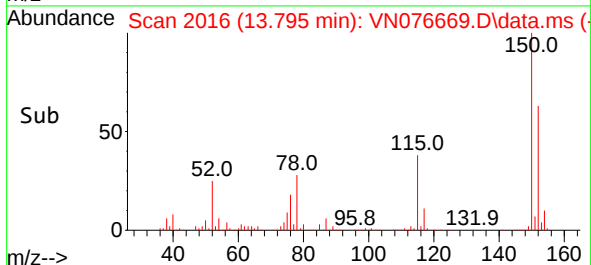
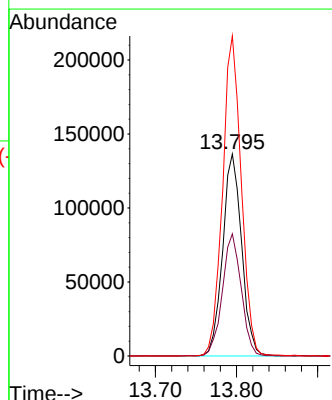
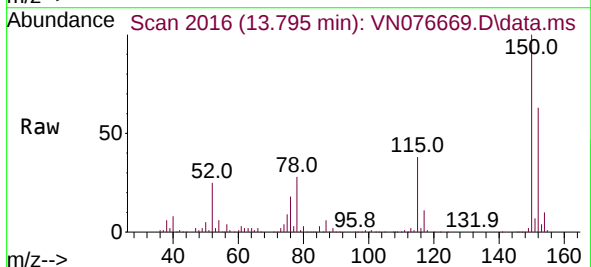
Tgt Ion:152 Resp: 221315

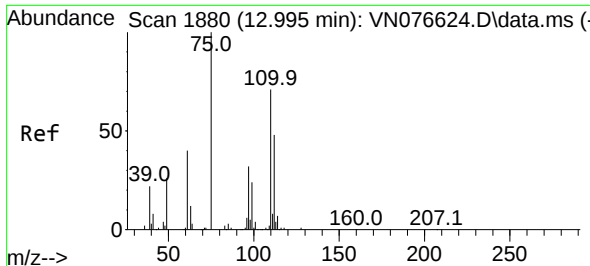
Ion Ratio Lower Upper

152 100

115 60.2 29.3 87.9

150 156.6 0.0 349.8

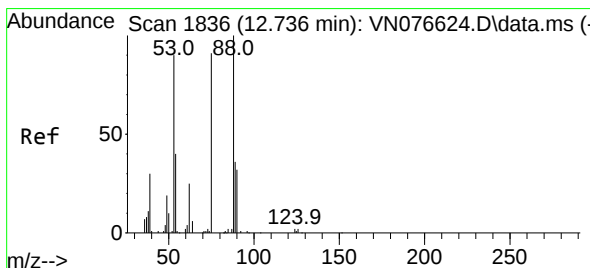
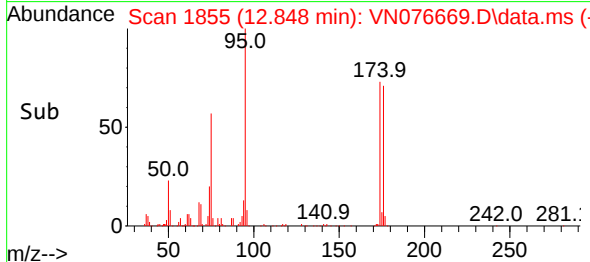
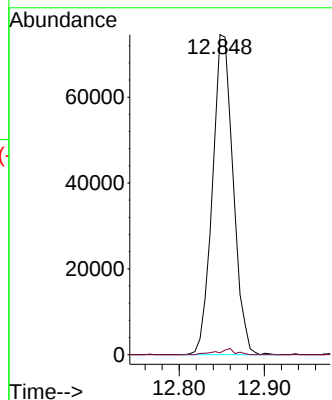
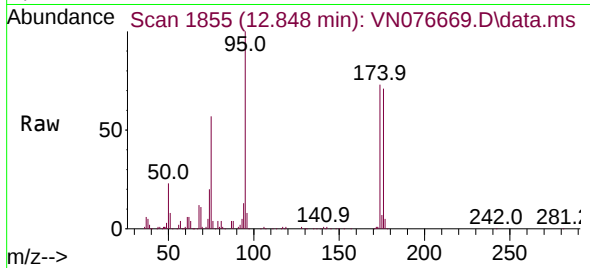




#76
1,2,3-Trichloropropane
Concen: 28.100 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Instrument :
MSVOA_N
ClientSampleId :
40189

Tgt Ion: 75 Resp: 125730
Ion Ratio Lower Upper
75 100
77 1.6 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.843 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076669.D
Acq: 14 Feb 2023 18:36

Tgt Ion: 75 Resp: 125730
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#

