

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076757.D
 Acq On : 21 Feb 2023 18:01
 Operator : JC\MD
 Sample : 01641-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-26-GW01

Quant Time: Feb 22 04:13:40 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	249287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	437750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	392280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	150756	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	177194	51.476	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.960%	
35) Dibromofluoromethane	8.172	113	137023	47.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.600%	
50) Toluene-d8	10.572	98	548128	51.198	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.400%	
62) 4-Bromofluorobenzene	12.854	95	156961	44.266	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.540%	

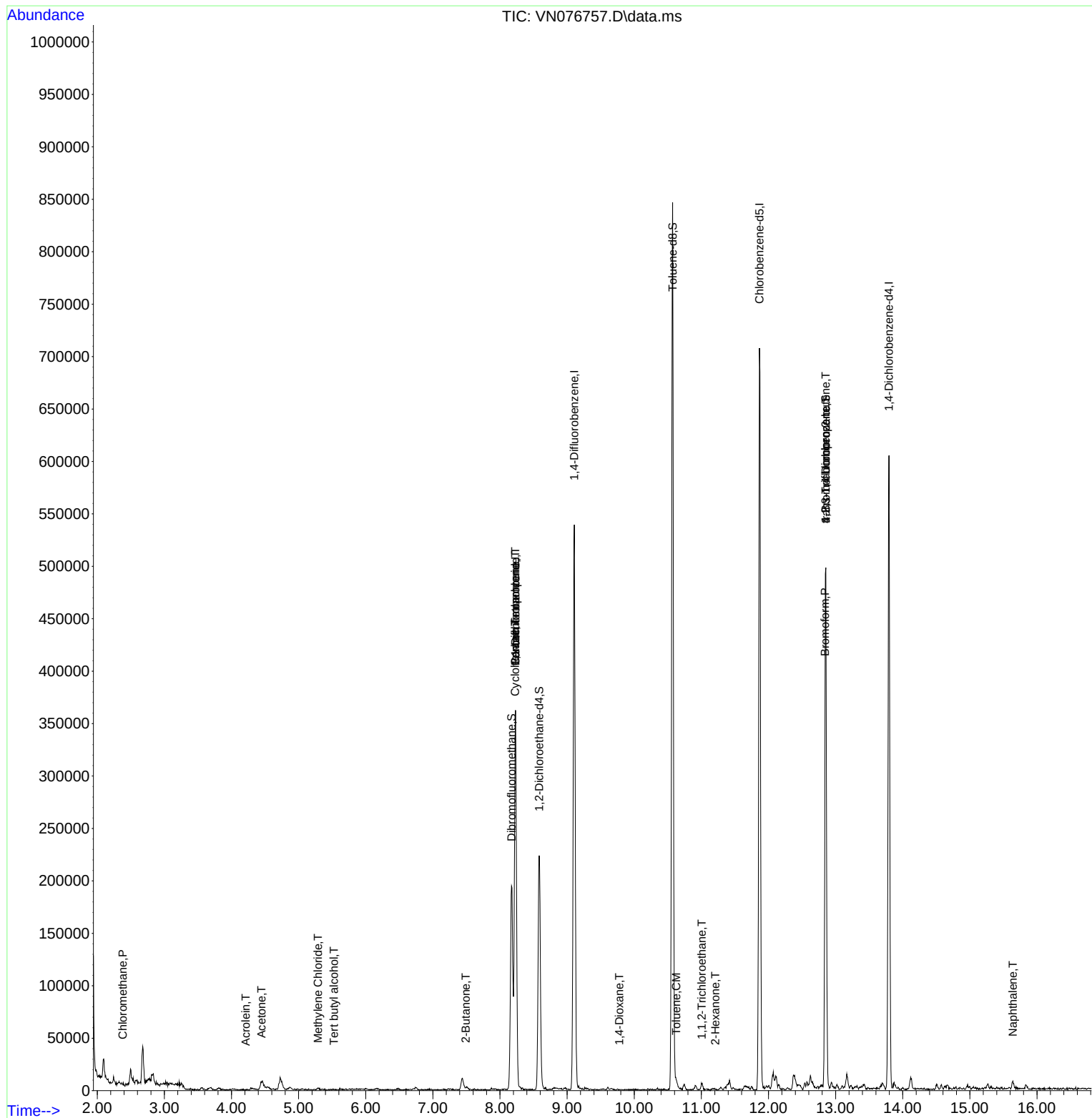
Target Compounds				Qvalue		
3) Chloromethane	2.378	50	842	0.244	ug/l #	44
11) Tert butyl alcohol	5.525	59	171	0.376	ug/l #	41
13) Acrolein	4.213	56	137	0.201	ug/l #	71
16) Acetone	4.449	43	16676	10.845	ug/l #	77
20) Methylene Chloride	5.290	84	1004	0.312	ug/l #	24
25) 2-Butanone	7.490	43	3870	1.706	ug/l	94
31) Cyclohexane	8.225	56	7420	1.374	ug/l #	21
36) 1,1-Dichloropropene	8.231	75	22041	5.321	ug/l #	49
38) Carbon Tetrachloride	8.231	117	28544	6.831	ug/l #	17
49) 1,4-Dioxane	9.778	88	63	1.082	ug/l #	23
52) Toluene	10.625	92	2697	0.351	ug/l	94
55) 1,1,2-Trichloroethane	11.007	97	2635	0.844	ug/l #	16
59) 2-Hexanone	11.207	43	981	0.302	ug/l #	27
71) Bromoform	12.842	173	991	0.447	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	93543	30.691	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	93543	89.391	ug/l #	4
95) Naphthalene	15.642	128	6423	0.794	ug/l #	92

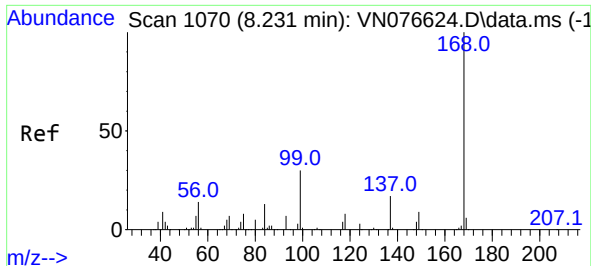
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 22 04:13:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
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QLast Update : Tue Feb 14 01:44:47 2023
Response via : Initial Calibration

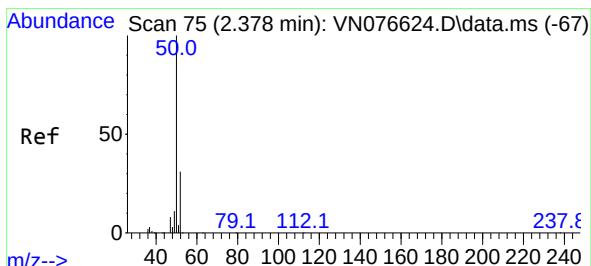
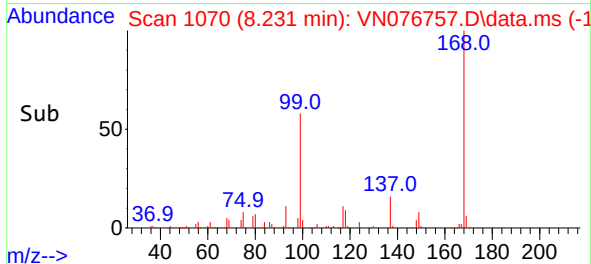
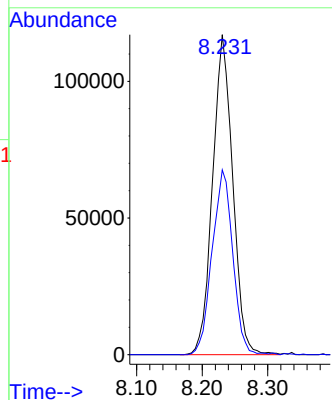
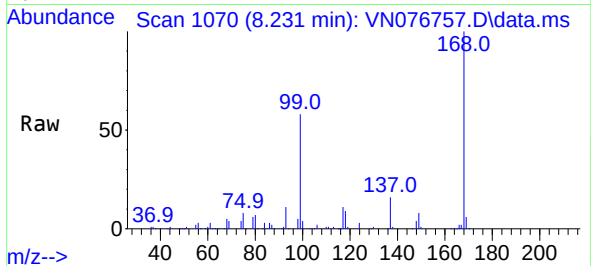




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

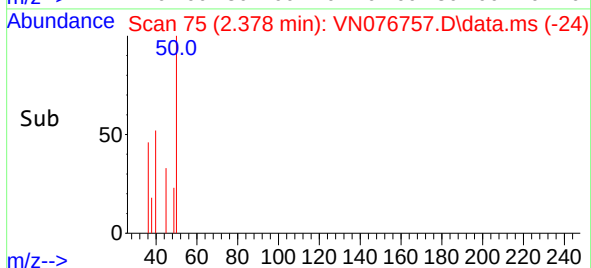
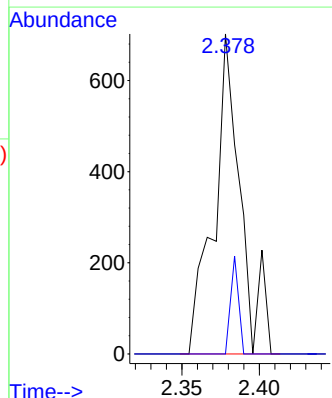
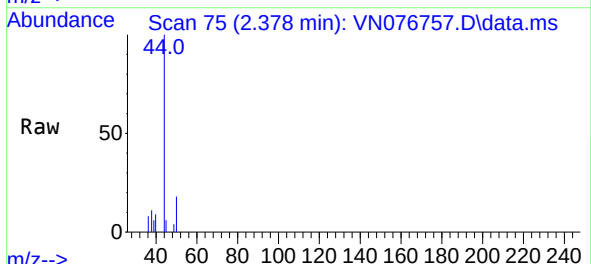
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

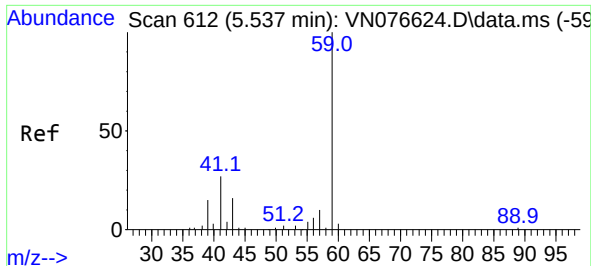
Tgt Ion:168 Resp: 249287
Ion Ratio Lower Upper
168 100
99 57.7 44.8 67.2



#3
Chloromethane
Concen: 0.244 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 50 Resp: 842
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

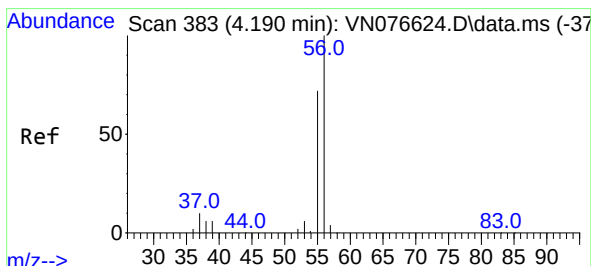
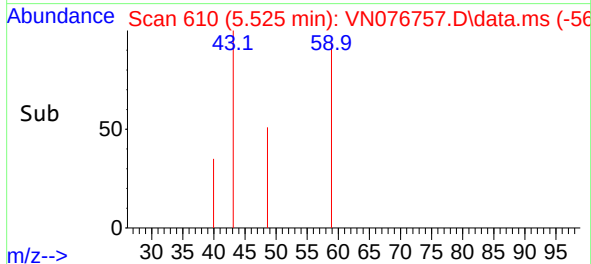
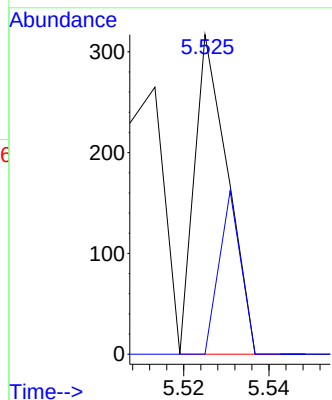
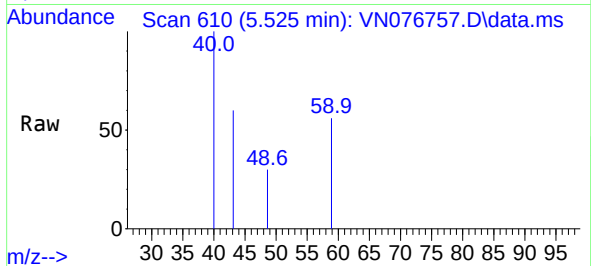




#11
Tert butyl alcohol
Concen: 0.376 ug/l
RT: 5.525 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

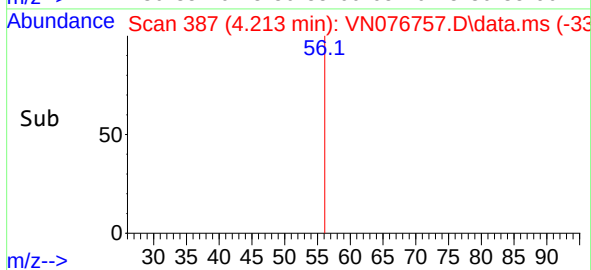
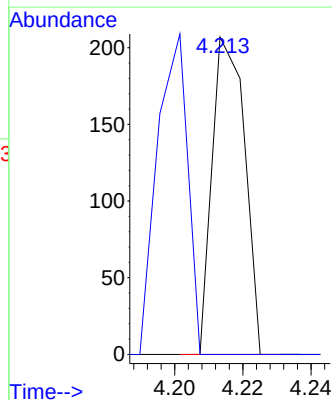
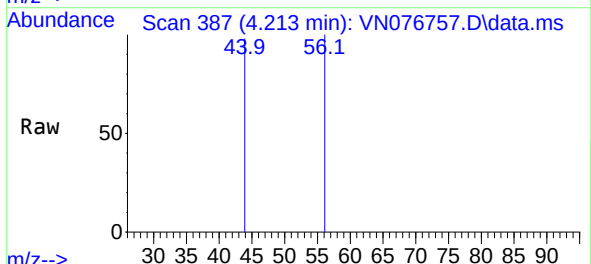
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MSVOA_N
ClientSampleId :
B-26-GW01

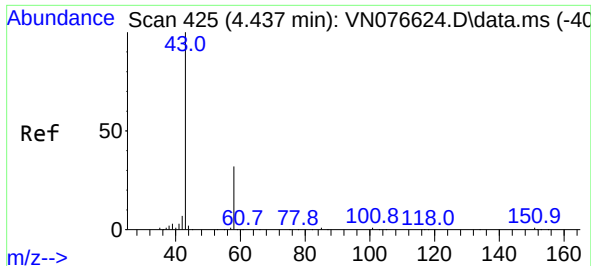
Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 33.3 8.7 13.1#



#13
Acrolein
Concen: 0.201 ug/l
RT: 4.213 min Scan# 387
Delta R.T. 0.023 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 94.2 56.3 84.5#

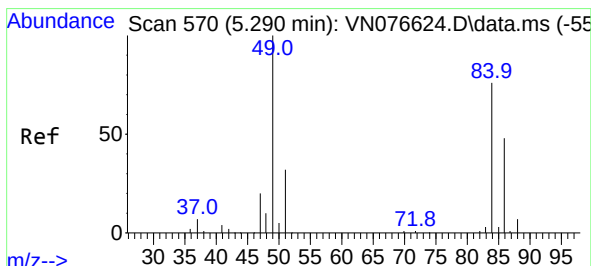
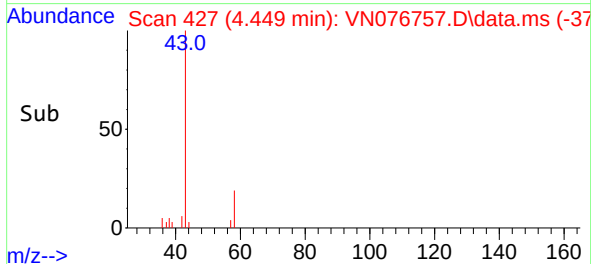
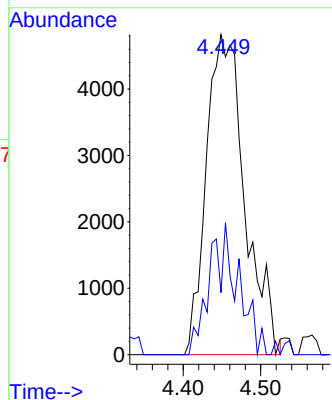
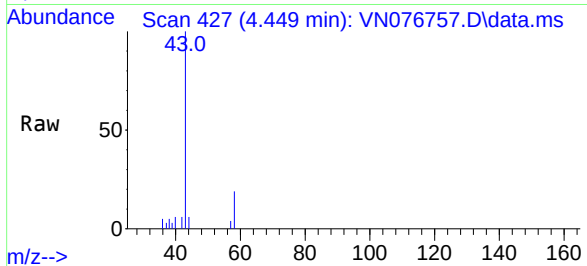




#16
Acetone
Concen: 10.845 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

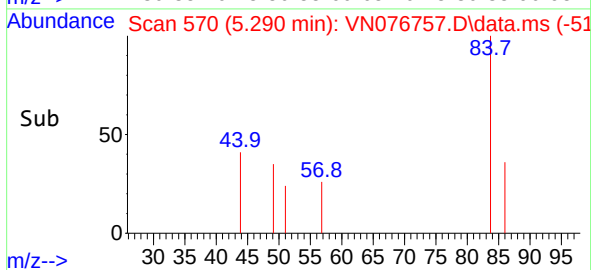
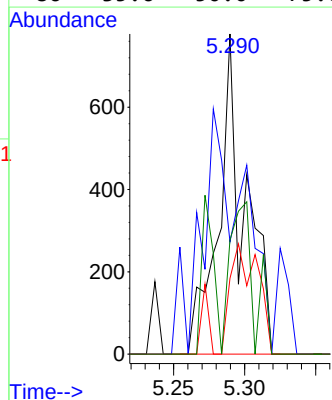
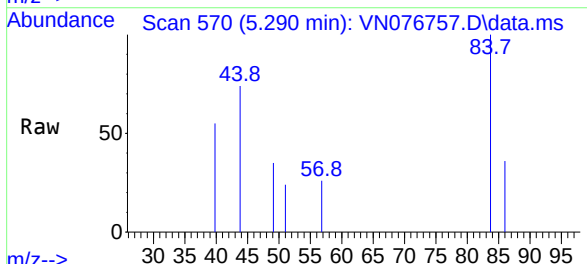
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

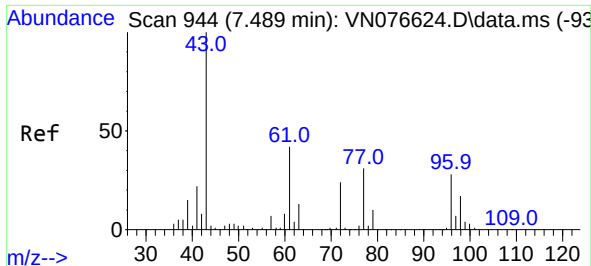
Tgt Ion: 43 Resp: 16676
Ion Ratio Lower Upper
43 100
58 19.4 25.9 38.9#



#20
Methylene Chloride
Concen: 0.312 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 2.1 104.9 157.3#
51 23.7 33.8 50.8#
86 35.6 50.0 75.0#

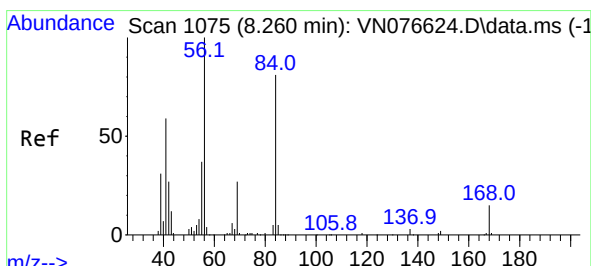
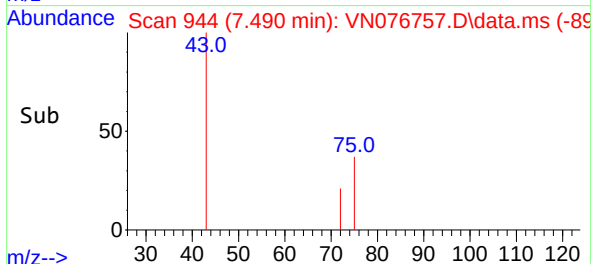
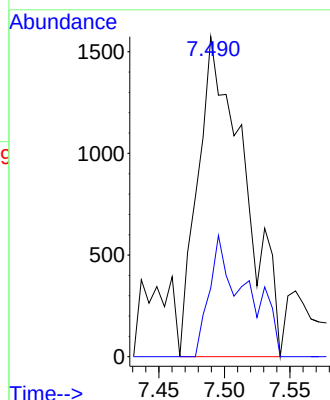
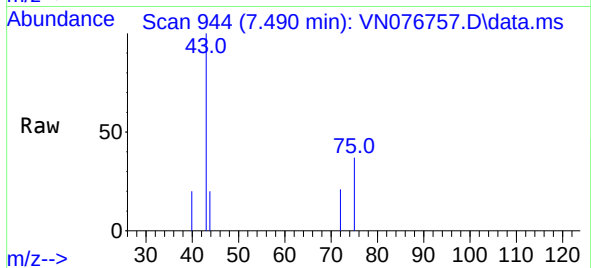




#25
2-Butanone
Concen: 1.706 ug/l
RT: 7.490 min Scan# 944
Delta R.T. 0.001 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

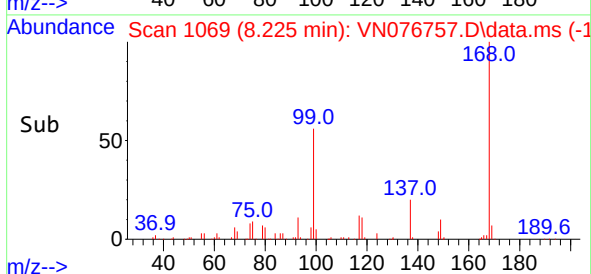
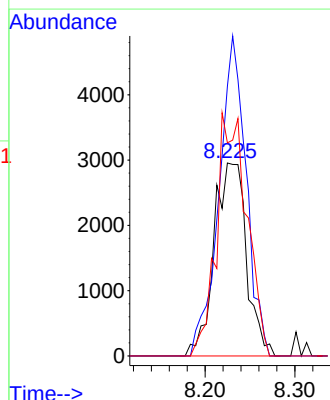
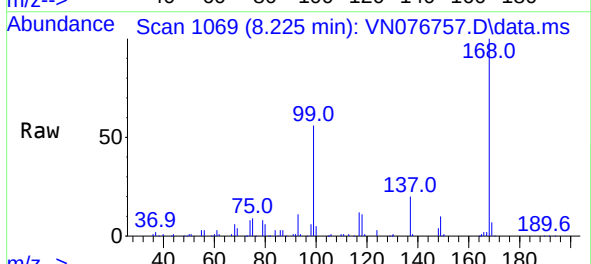
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

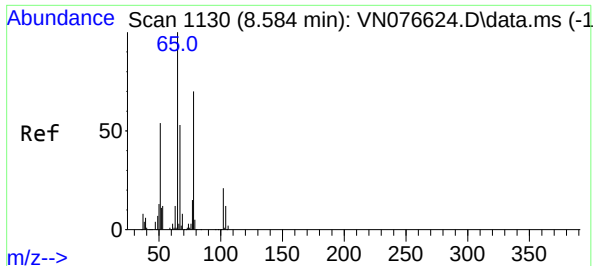
Tgt Ion: 43 Resp: 3870
Ion Ratio Lower Upper
43 100
72 21.5 19.4 29.2



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 56 Resp: 7420
Ion Ratio Lower Upper
56 100
69 139.7 21.6 32.4#
84 110.4 65.1 97.7#

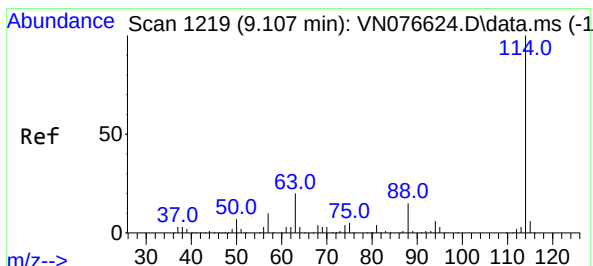
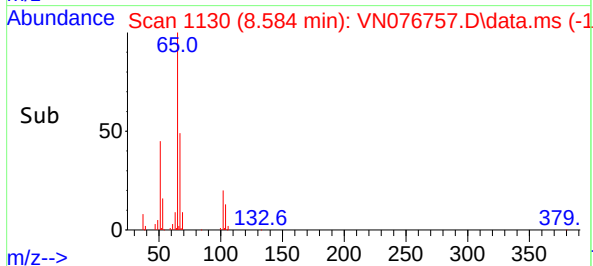
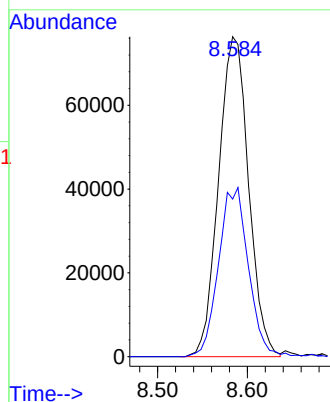
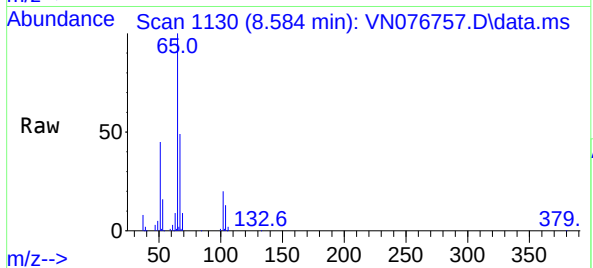




#33
1,2-Dichloroethane-d4
Concen: 51.476 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

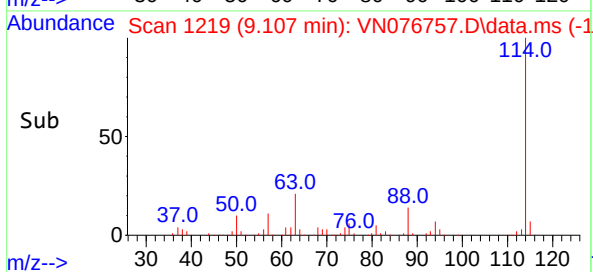
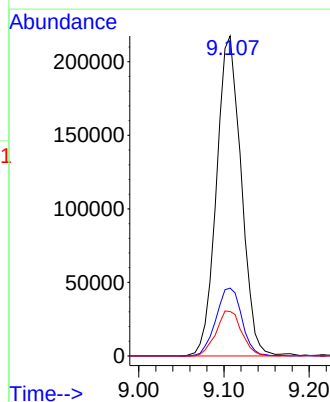
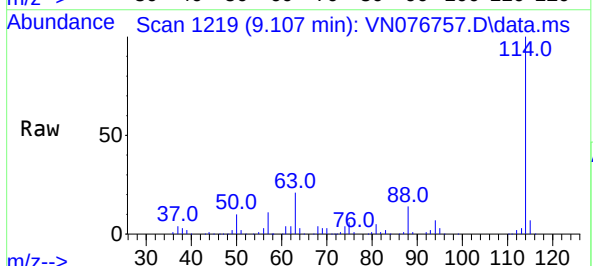
Instrument :
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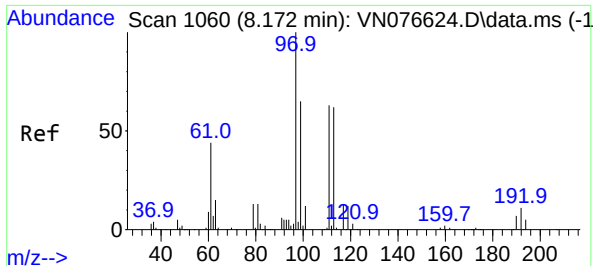
Tgt Ion: 65 Resp: 177194
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 114 Resp: 437750
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.0
88 13.9 0.0 29.6

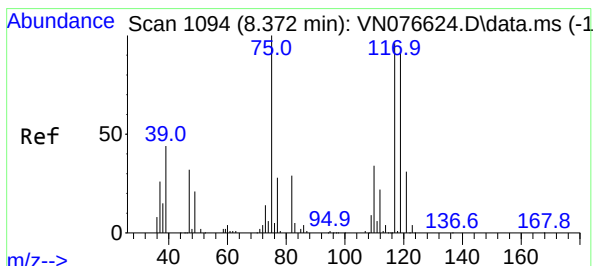
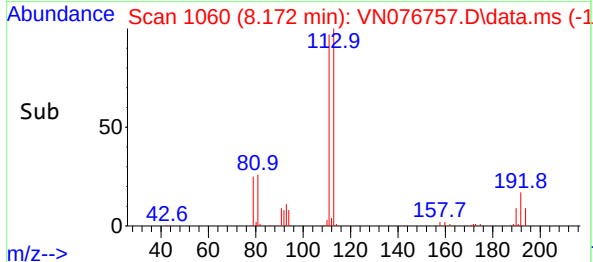
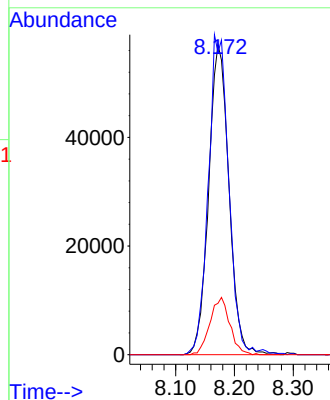
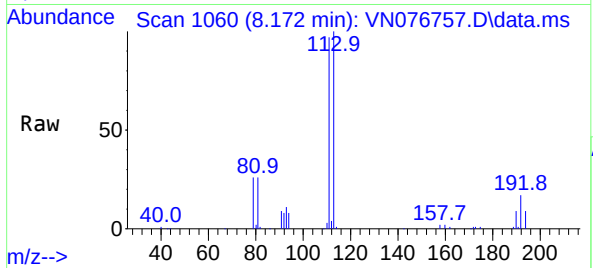




#35
Dibromofluoromethane
Concen: 47.797 ug/l
RT: 8.172 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

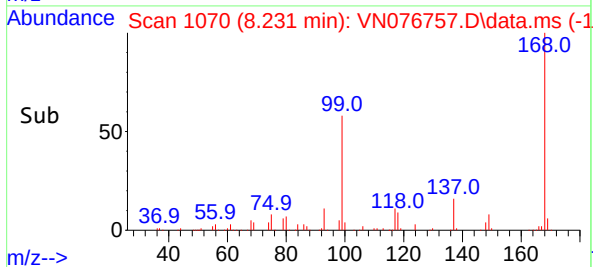
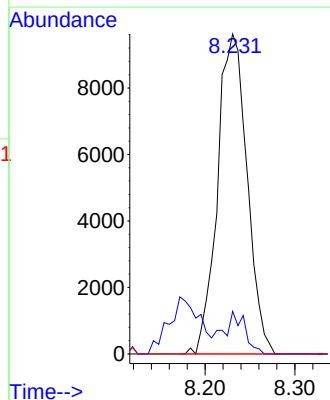
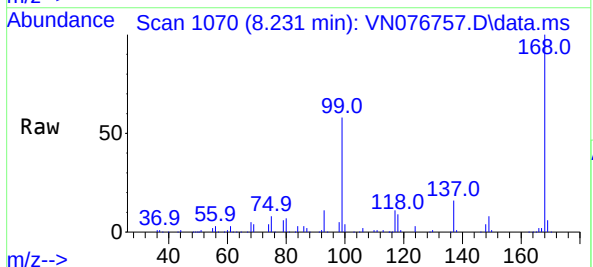
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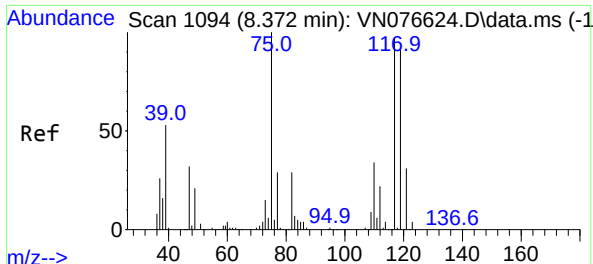
Tgt Ion:113 Resp: 137023
Ion Ratio Lower Upper
113 100
111 104.0 83.1 124.7
192 18.1 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.321 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

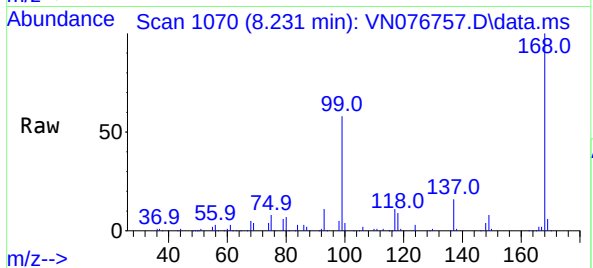
Tgt Ion: 75 Resp: 22041
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.5 36.7#



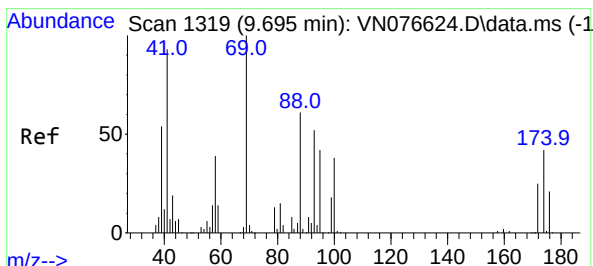
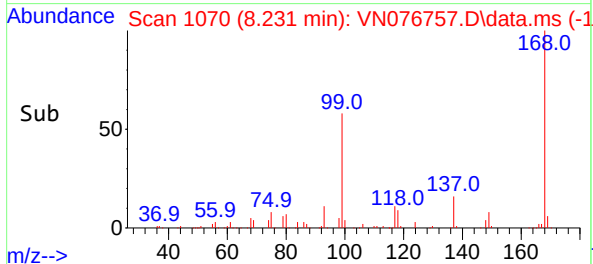
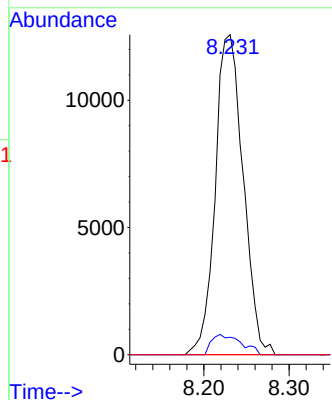


#38
Carbon Tetrachloride
Concen: 6.831 ug/l
RT: 8.231 min Scan# 1094
Delta R.T. -0.141 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

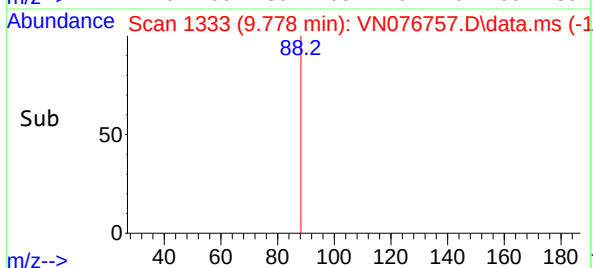
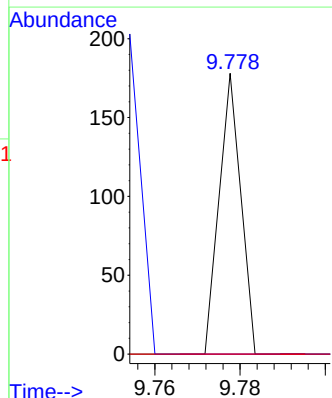
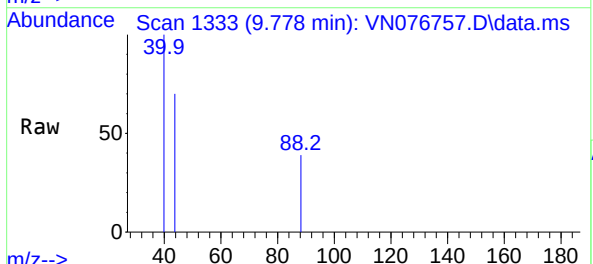


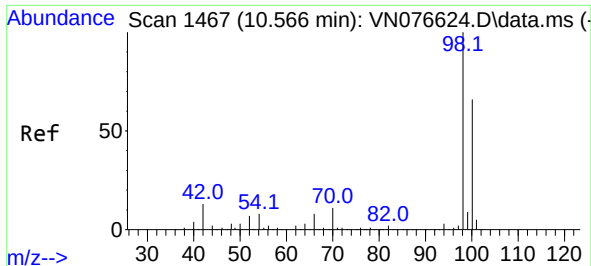
Tgt Ion:117 Resp: 28544
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 26.0 39.0#



#49
1,4-Dioxane
Concen: 1.082 ug/l
RT: 9.778 min Scan# 1333
Delta R.T. 0.083 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 0.0 57.6 86.4#

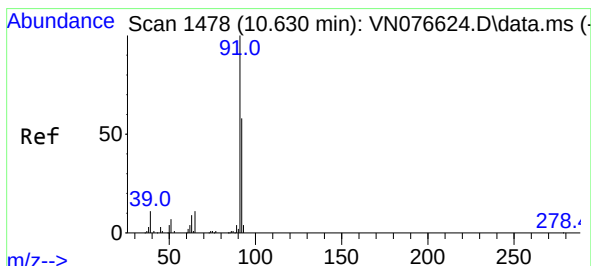
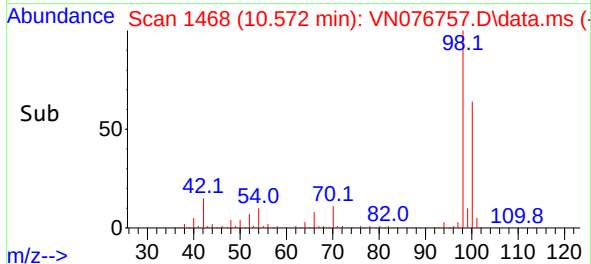
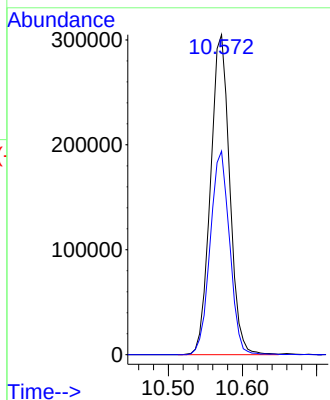
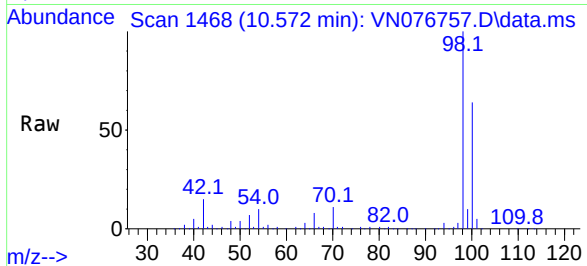




#50
Toluene-d8
Concen: 51.198 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

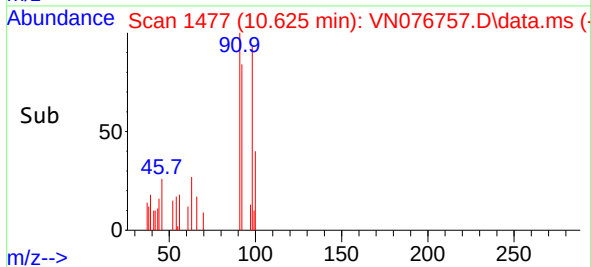
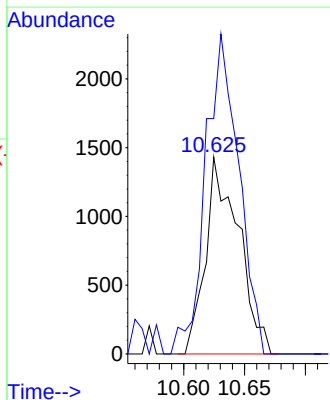
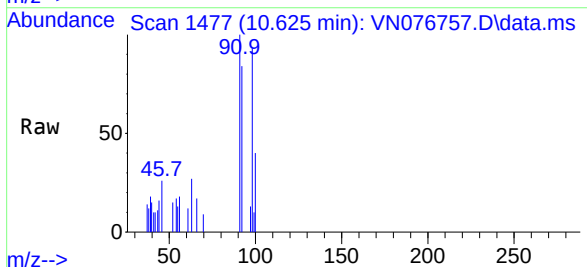
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

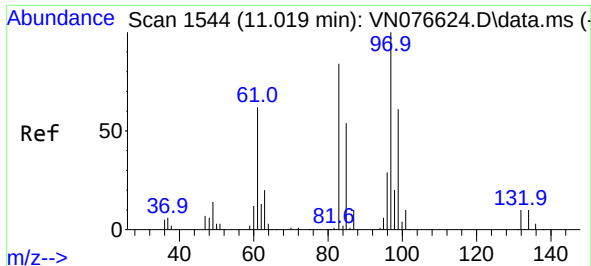
Tgt Ion: 98 Resp: 548128
Ion Ratio Lower Upper
98 100
100 64.3 52.9 79.3



#52
Toluene
Concen: 0.351 ug/l
RT: 10.625 min Scan# 1477
Delta R.T. -0.005 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

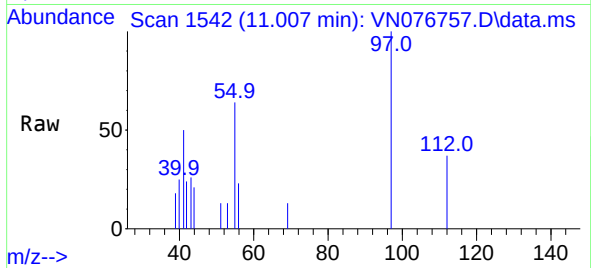
Tgt Ion: 92 Resp: 2697
Ion Ratio Lower Upper
92 100
91 164.5 138.0 207.0





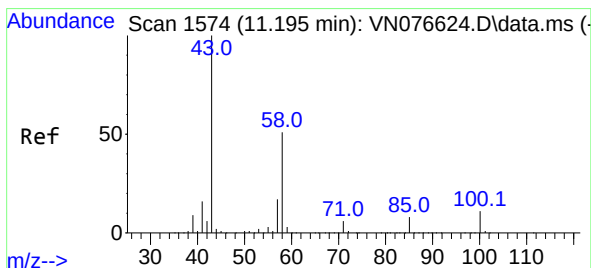
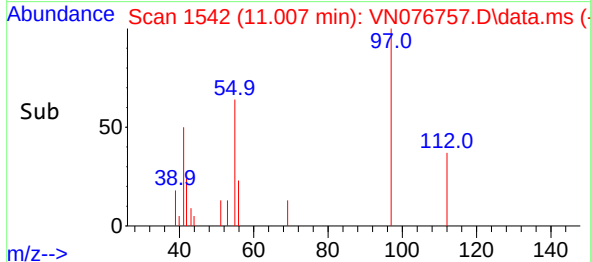
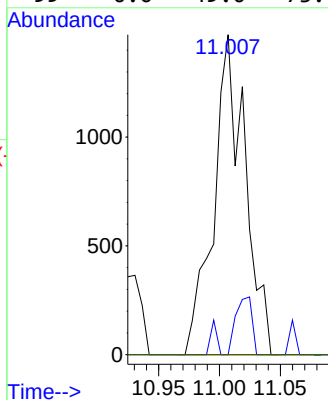
#55
1,1,2-Trichloroethane
Concen: 0.844 ug/l
RT: 11.007 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01



Tgt Ion: 97 Resp: 2635

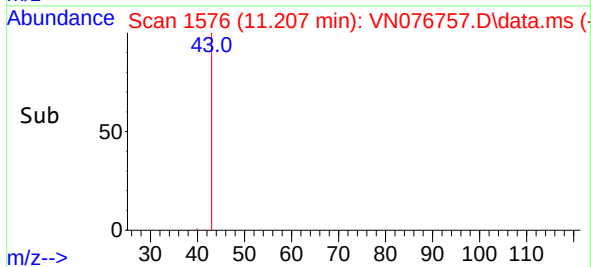
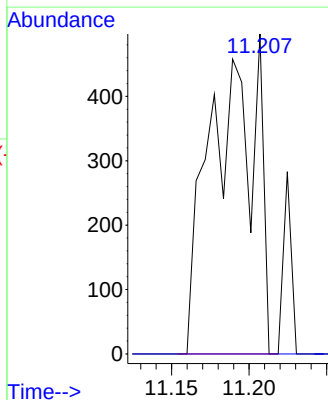
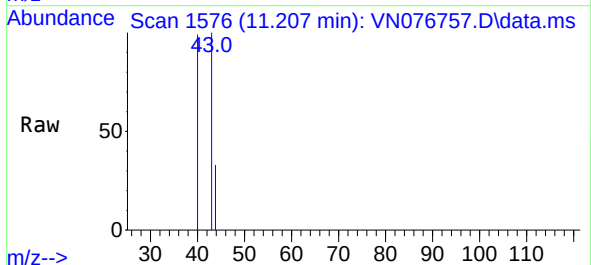
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.3	100.9#
85	0.0	43.2	64.8#
99	0.0	49.0	73.4#

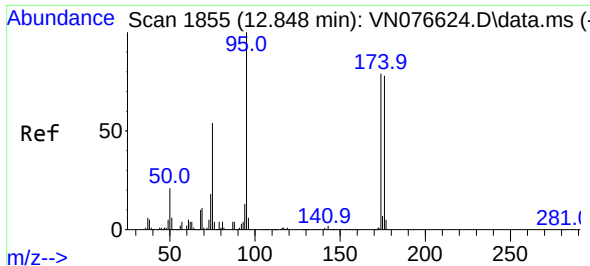


#59
2-Hexanone
Concen: 0.302 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 43 Resp: 981

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.4	76.0#

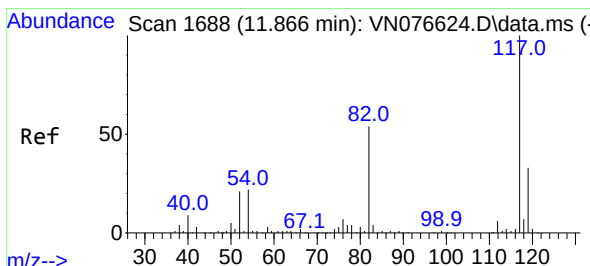
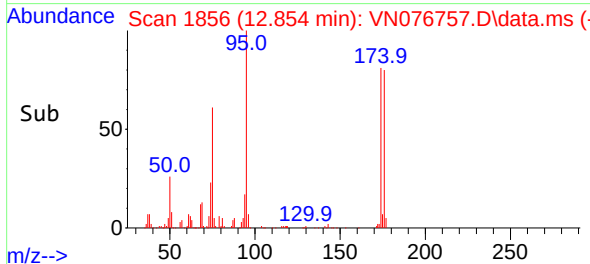
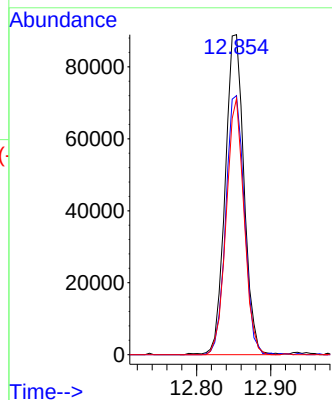
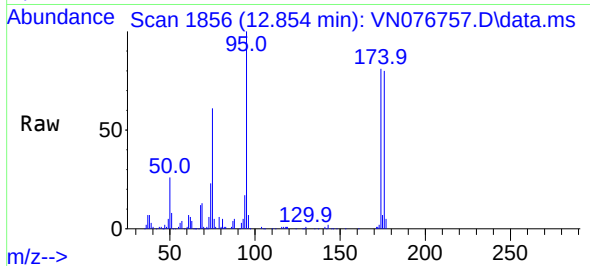




#62
4-Bromofluorobenzene
Concen: 44.266 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

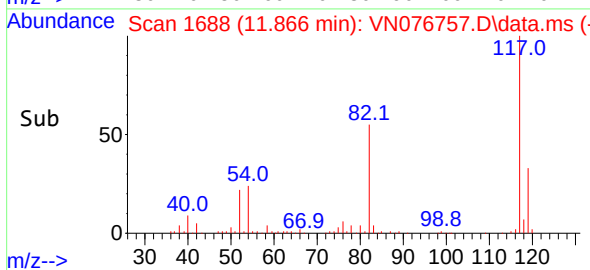
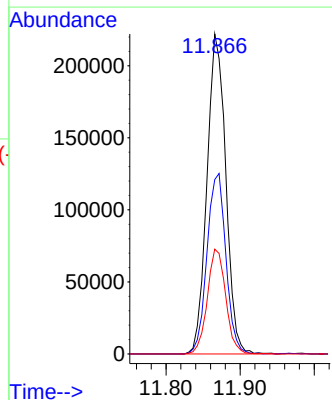
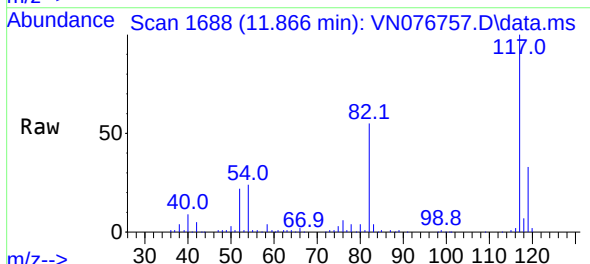
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

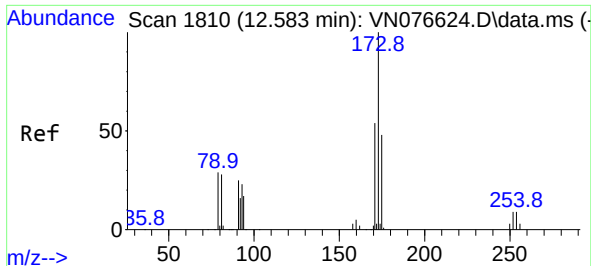
Tgt Ion: 95 Resp: 156961
Ion Ratio Lower Upper
95 100
174 79.7 0.0 169.2
176 75.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 117 Resp: 392280
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.2
119 32.7 26.1 39.1

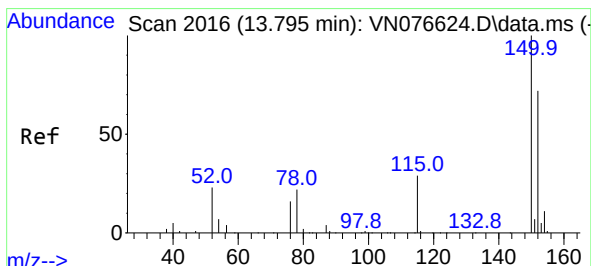
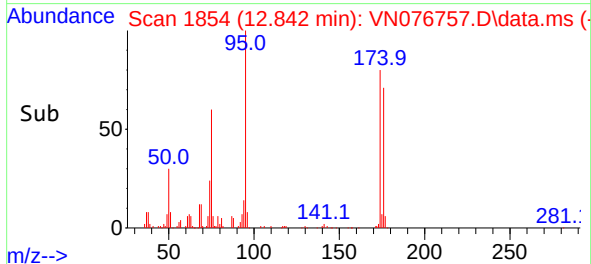
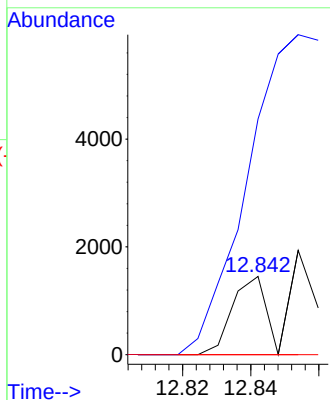
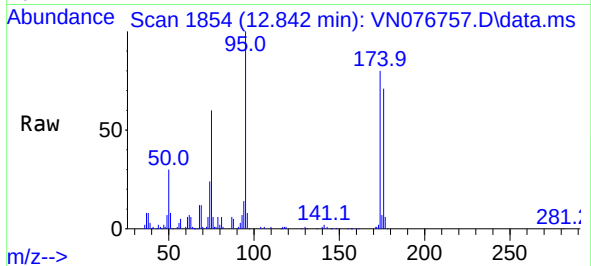




#71
Bromoform
Concen: 0.447 ug/l
RT: 12.842 min Scan# 1810
Delta R.T. 0.259 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

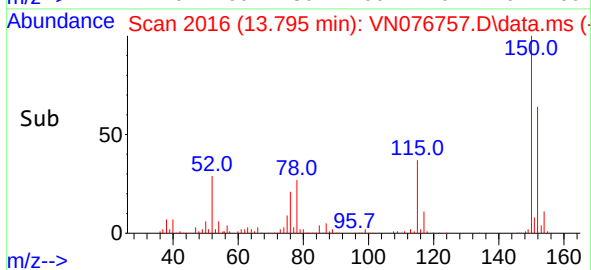
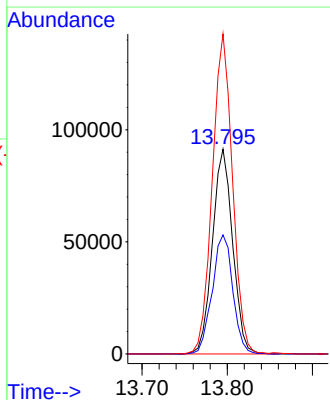
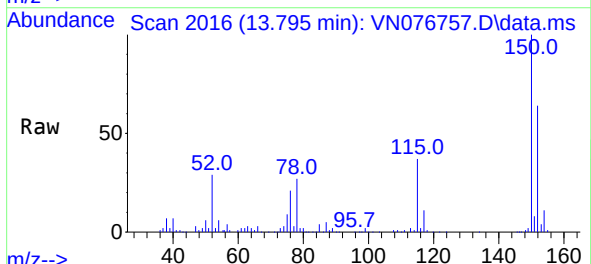
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

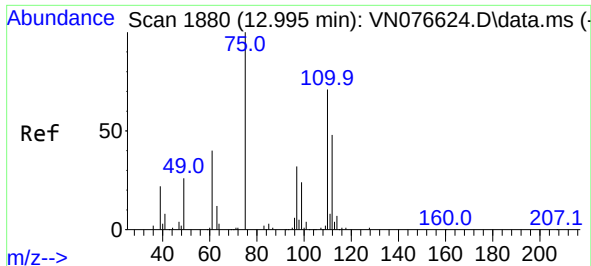
Tgt Ion:173 Resp: 991
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion:152 Resp: 150756
Ion Ratio Lower Upper
152 100
115 59.3 29.3 87.9
150 155.7 0.0 349.8

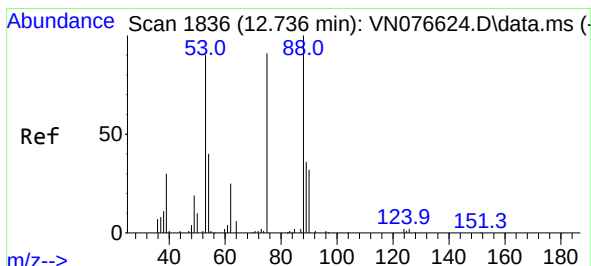
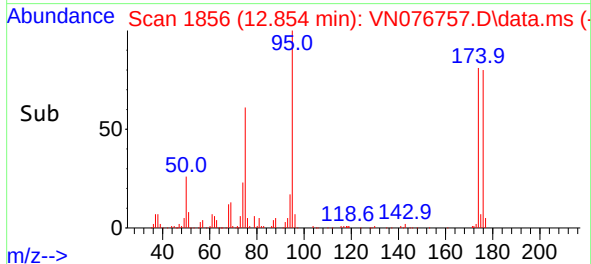
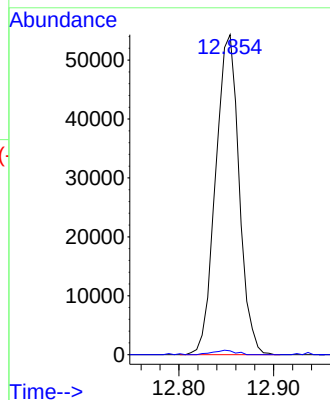
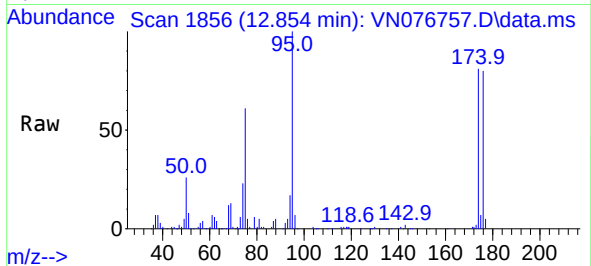




#76
1,2,3-Trichloropropane
Concen: 30.691 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

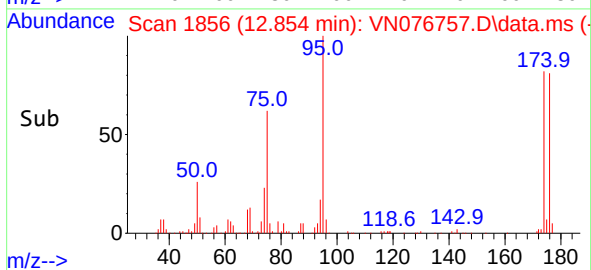
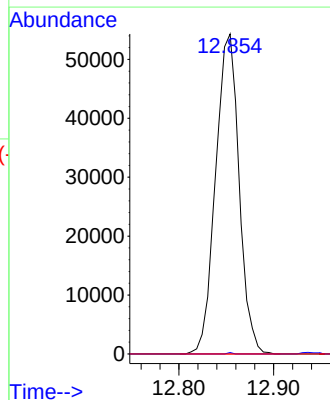
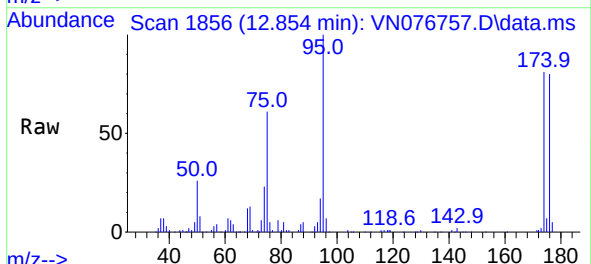
Instrument :
MSVOA_N
ClientSampleId :
B-26-GW01

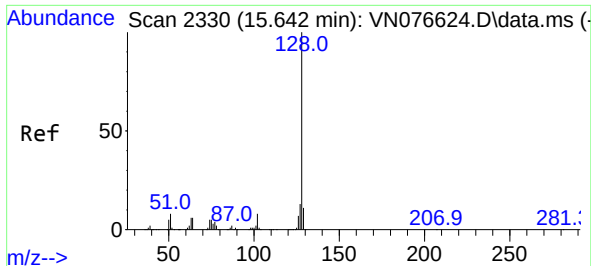
Tgt Ion: 75 Resp: 93543
Ion Ratio Lower Upper
75 100
77 1.3 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.391 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076757.D
Acq: 21 Feb 2023 18:01

Tgt Ion: 75 Resp: 93543
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.0 37.5 56.3#





#95

Naphthalene

Concen: 0.794 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076757.D

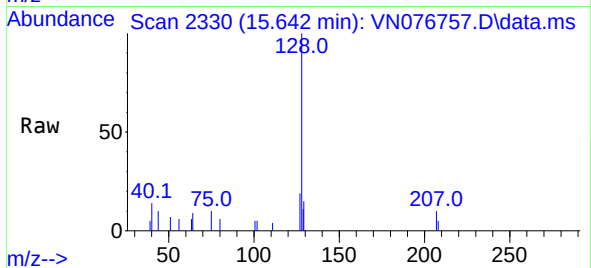
Acq: 21 Feb 2023 18:01

Instrument :

MSVOA_N

ClientSampleId :

B-26-GW01



Tgt Ion:128 Resp: 6423

Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

129 16.3 8.6 13.0#

