

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042722\
 Data File : VN072222.D
 Acq On : 27 Apr 2022 17:41
 Operator : JC\MD
 Sample : N2575-10 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31798

Quant Time: Apr 28 06:05:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

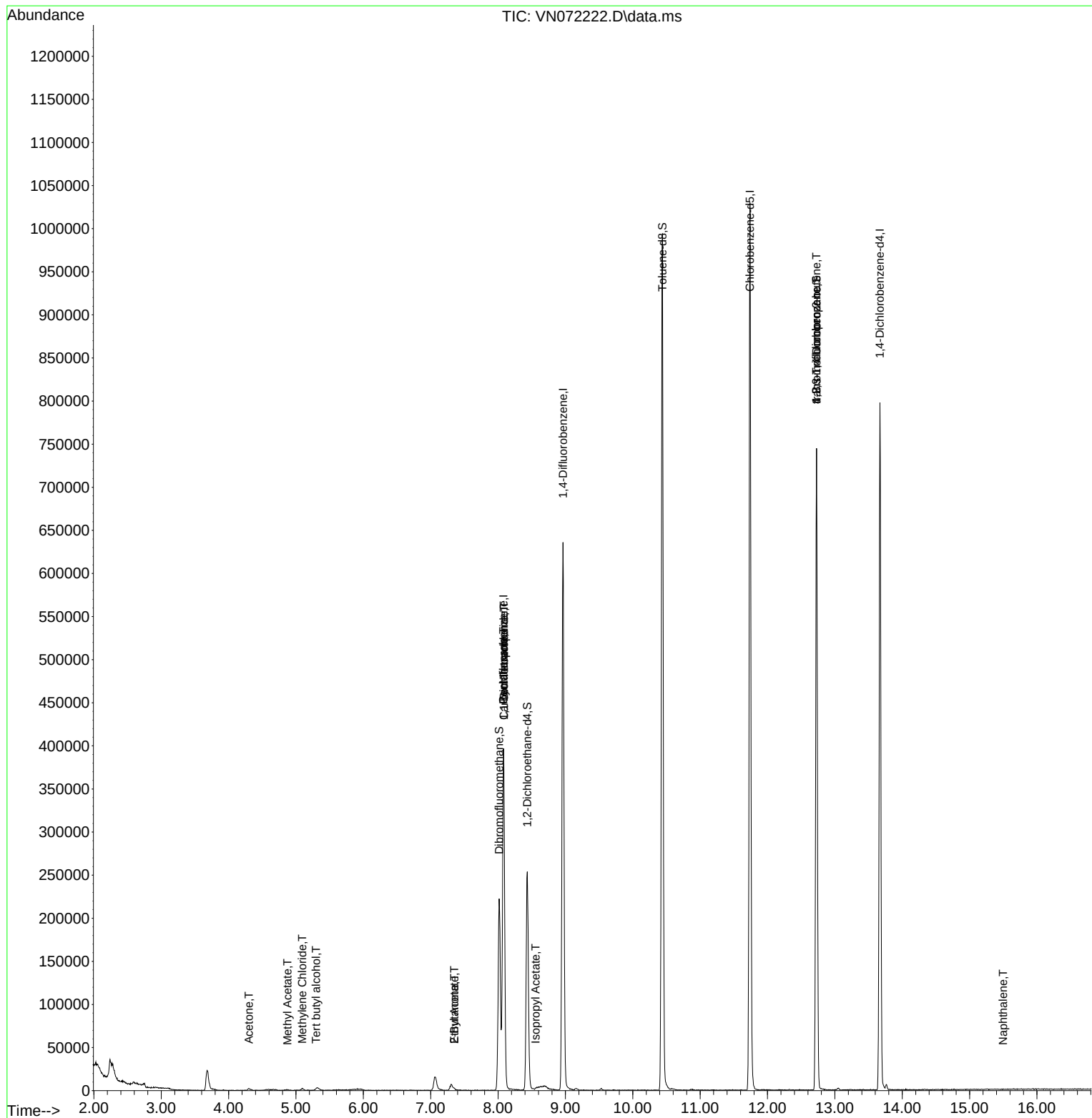
Internal Standards						
1) Pentafluorobenzene	8.081	168	279435	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	533741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	572203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	207751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	221803	51.703	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.400%			
35) Dibromofluoromethane	8.016	113	162762	47.644	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.280%			
50) Toluene-d8	10.439	98	678371	50.535	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.727	95	268539	60.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 120.540%			
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	1130	Below Cal	#	43
5) Bromomethane	2.881	94	77	Below Cal	#	2
6) Chloroethane	3.187	64	73	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	1812	2.570	ug/l	# 72
16) Acetone	4.299	43	1500	0.811	ug/l	# 81
18) Methyl Acetate	4.875	43	1793	0.307	ug/l	# 63
20) Methylene Chloride	5.093	84	1504	0.424	ug/l	# 71
25) 2-Butanone	7.351	43	4635	1.574	ug/l	# 83
31) Cyclohexane	8.081	56	6905	1.205	ug/l	# 23
36) 1,1-Dichloropropene	8.087	75	24475	4.922	ug/l	# 49
37) Ethyl Acetate	7.351	43	4635	0.702	ug/l	# 67
38) Carbon Tetrachloride	8.087	117	30860	5.794	ug/l	# 17
43) Isopropyl Acetate	8.557	43	1070	0.903	ug/l	# 53
75) 1,1,2,2-Tetrachloroethane	12.722	83	230	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	143797	30.810	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	143797	80.032	ug/l	# 10
95) Naphthalene	15.498	128	61	4.305	ug/l	# 69

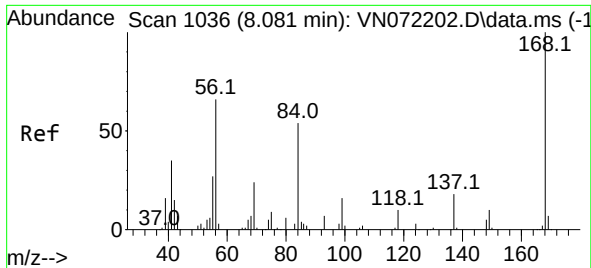
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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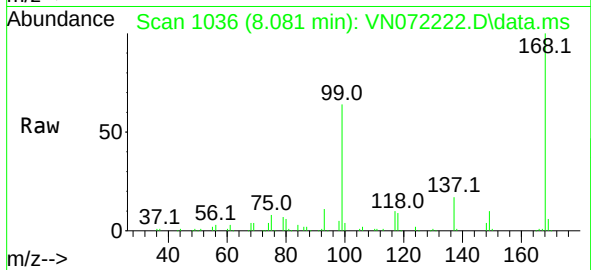
Quant Time: Apr 28 06:05:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
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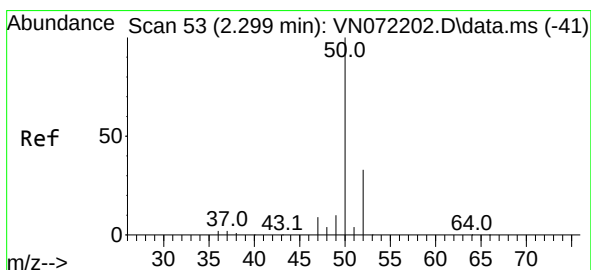
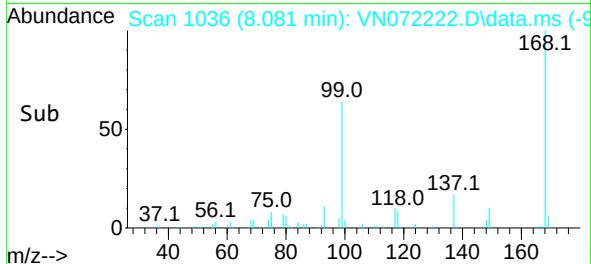
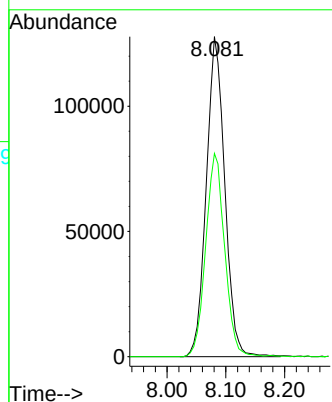


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Instrument :
MSVOA_N
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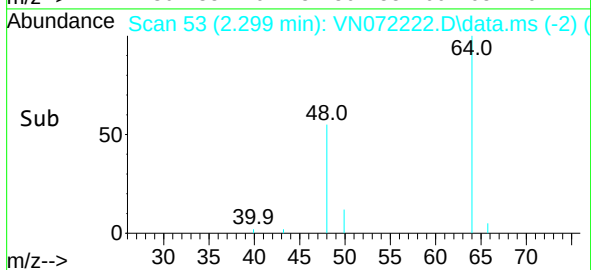
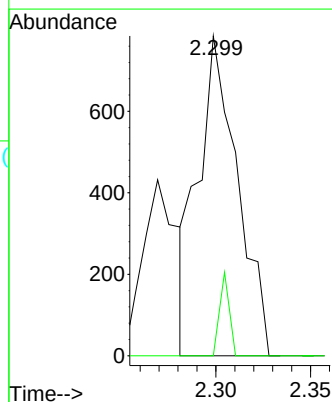
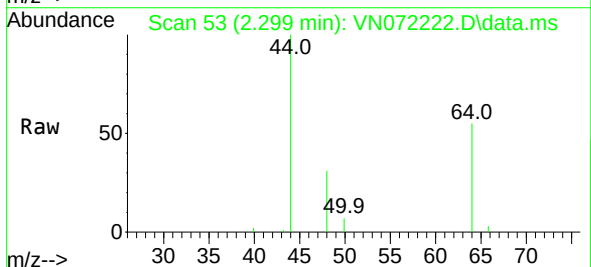


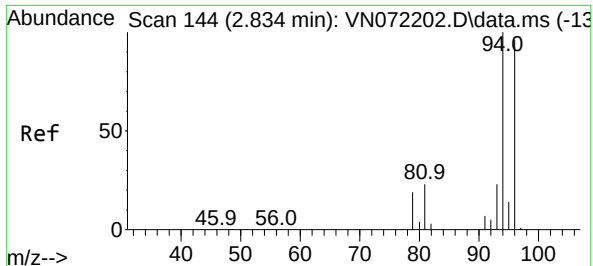
Tgt Ion:168 Resp: 279435
Ion Ratio Lower Upper
168 100
99 63.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 50 Resp: 1130
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

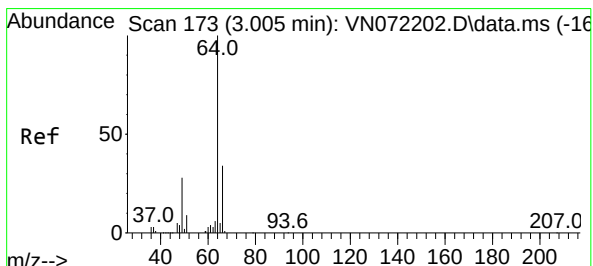
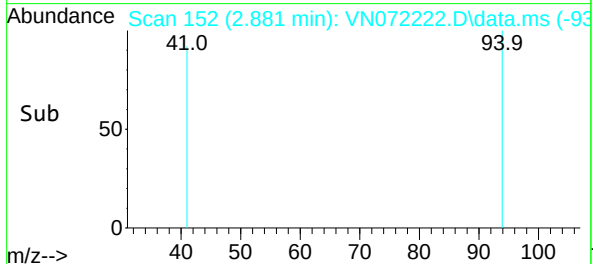
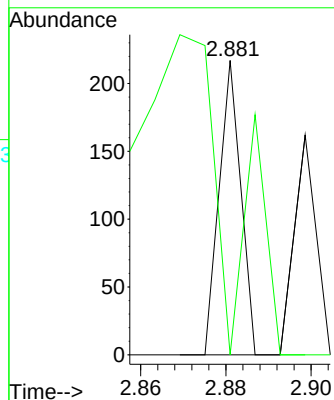
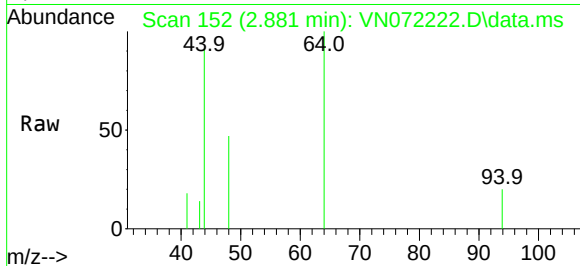




#5
Bromomethane
Concen: Below Cal
RT: 2.881 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

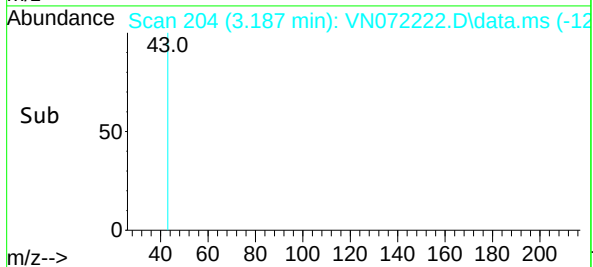
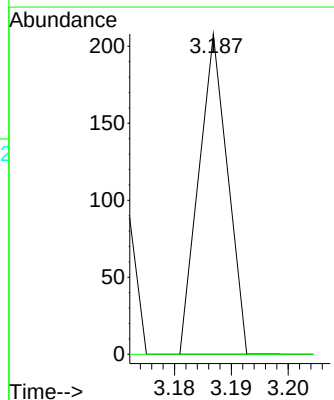
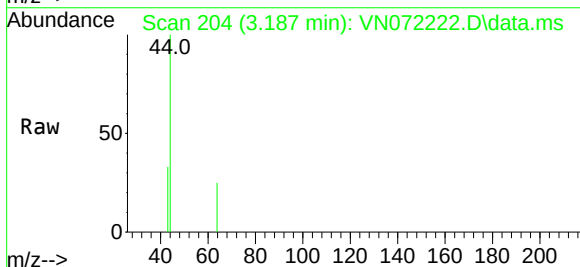
Instrument :
MSVOA_N
ClientSampleId :
31798

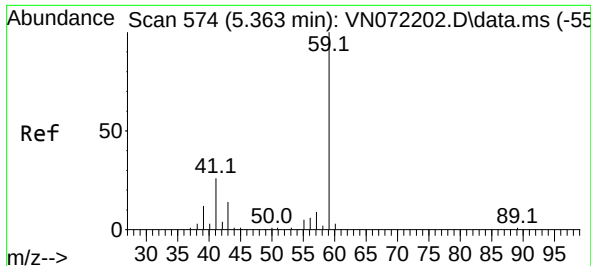
Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.187 min Scan# 204
Delta R.T. 0.182 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 64 Resp: 73
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

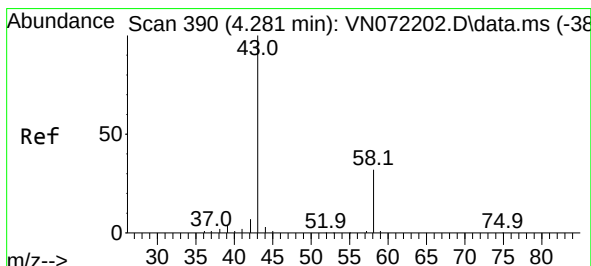
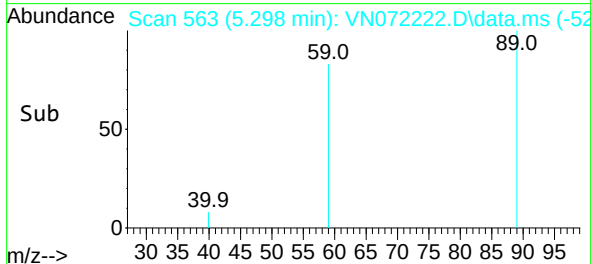
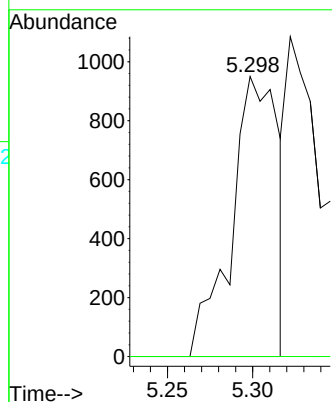
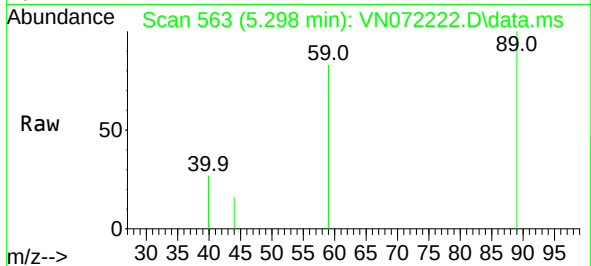




#11
Tert butyl alcohol
Concen: 2.570 ug/l
RT: 5.298 min Scan# 511
Delta R.T. -0.065 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

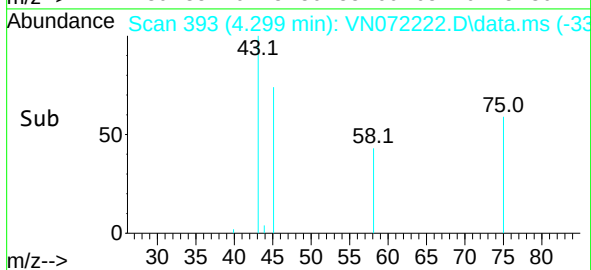
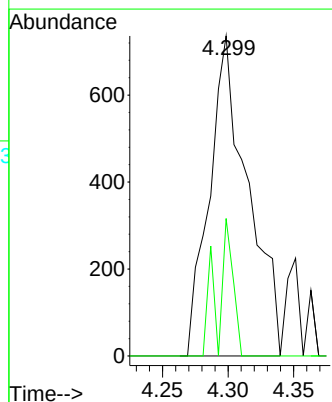
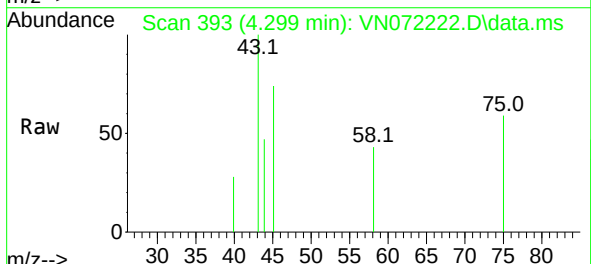
Instrument :
MSVOA_N
ClientSampleId :
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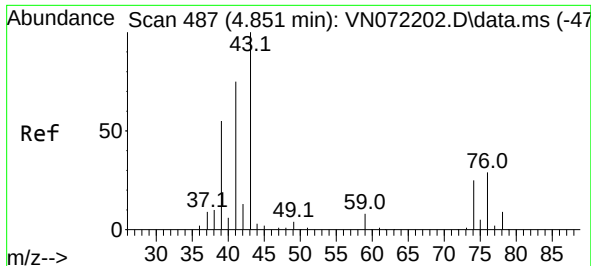
Tgt Ion: 59 Resp: 1812
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.811 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
58 42.9 26.0 39.0#

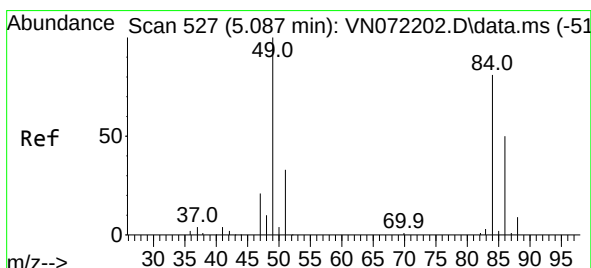
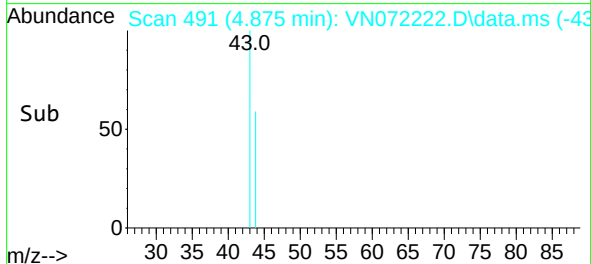
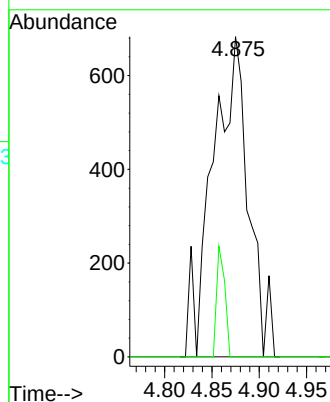
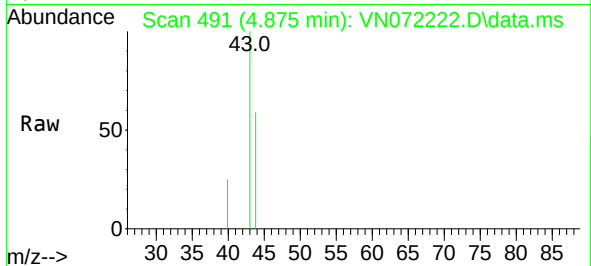




#18
Methyl Acetate
Concen: 0.307 ug/l
RT: 4.875 min Scan# 491
Delta R.T. 0.024 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

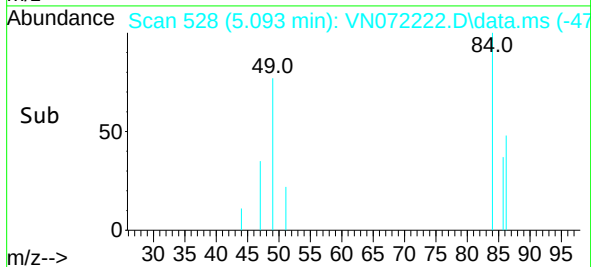
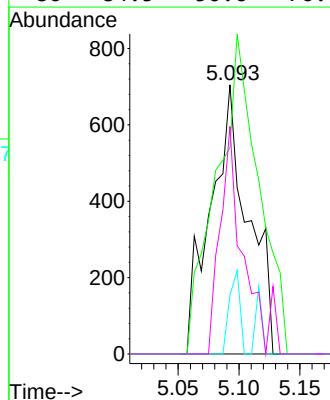
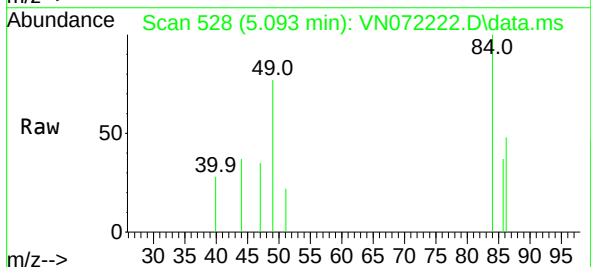
Instrument :
MSVOA_N
ClientSampleId :
31798

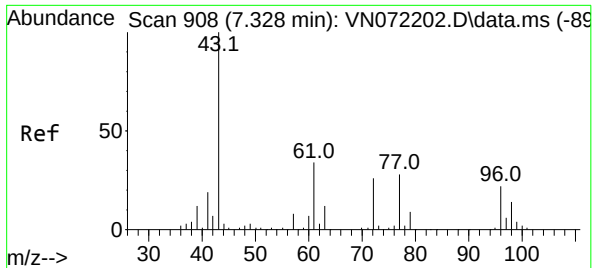
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
74 7.9 21.6 32.4#



#20
Methylene Chloride
Concen: 0.424 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 84 Resp: 1504
Ion Ratio Lower Upper
84 100
49 76.6 88.3 132.5#
51 21.8 28.2 42.2#
86 84.5 50.6 76.0#

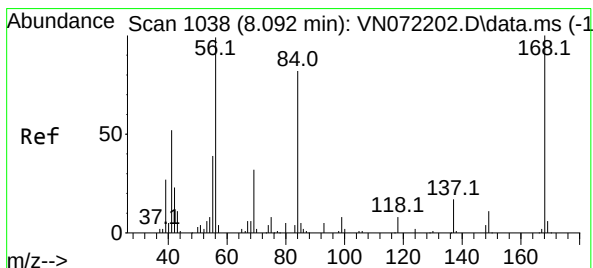
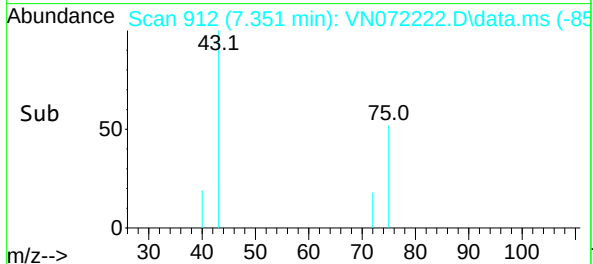
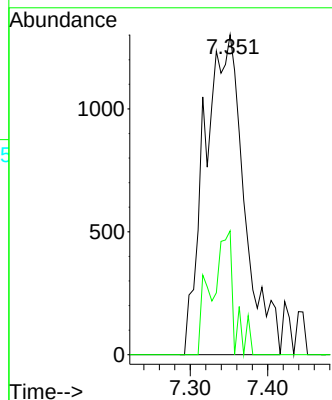
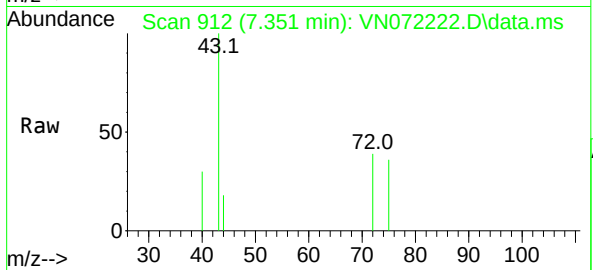




#25
2-Butanone
Concen: 1.574 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

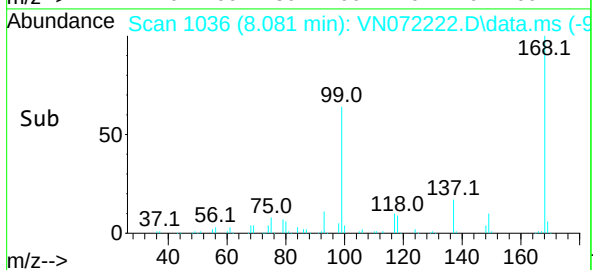
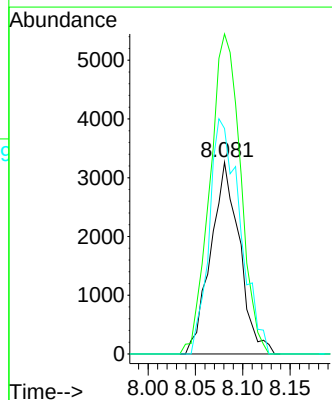
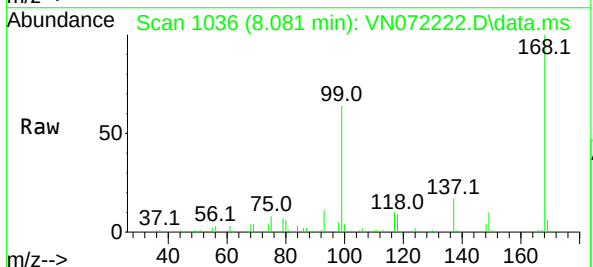
Instrument :
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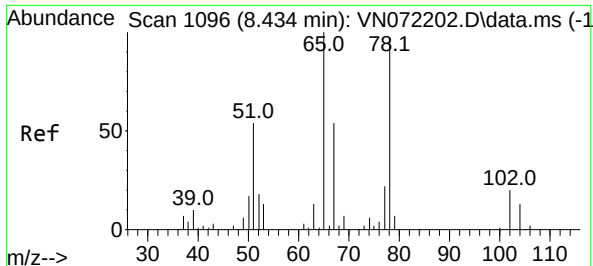
Tgt Ion: 43 Resp: 4635
Ion Ratio Lower Upper
43 100
72 38.7 23.7 35.5#



#31
Cyclohexane
Concen: 1.205 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 56 Resp: 6905
Ion Ratio Lower Upper
56 100
69 166.9 27.8 41.8#
84 117.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.703 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072222.D

Acq: 27 Apr 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

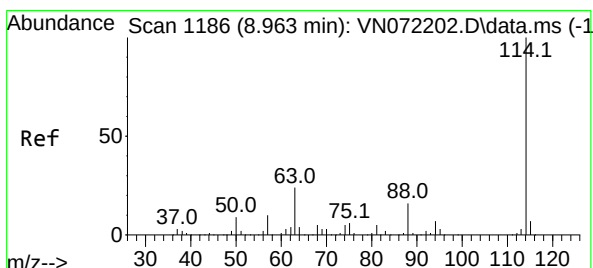
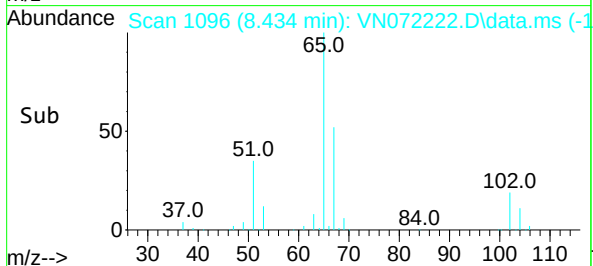
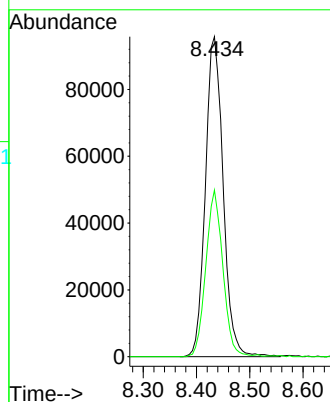
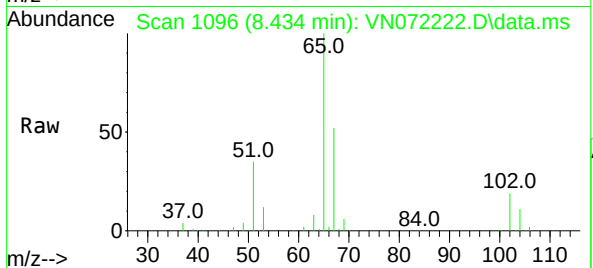
31798

Tgt Ion: 65 Resp: 221803

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072222.D

Acq: 27 Apr 2022 17:41

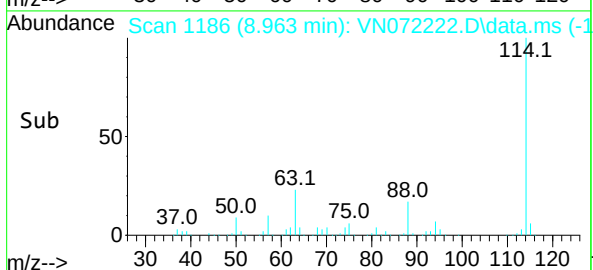
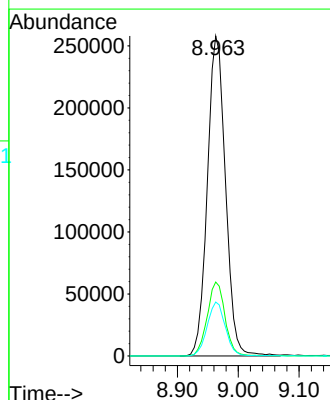
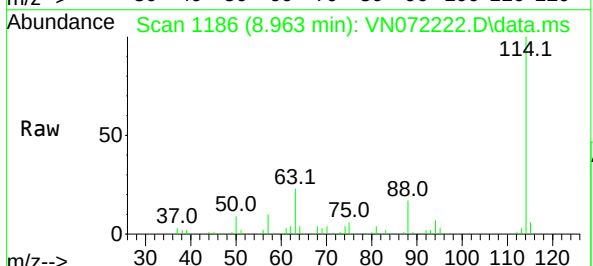
Tgt Ion: 114 Resp: 533741

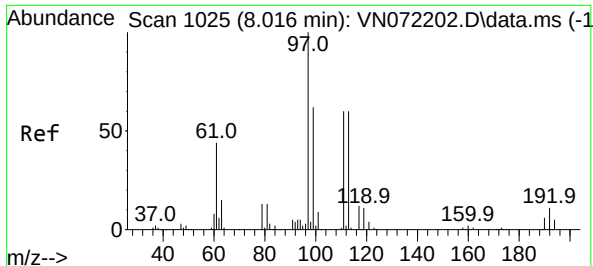
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.644 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072222.D

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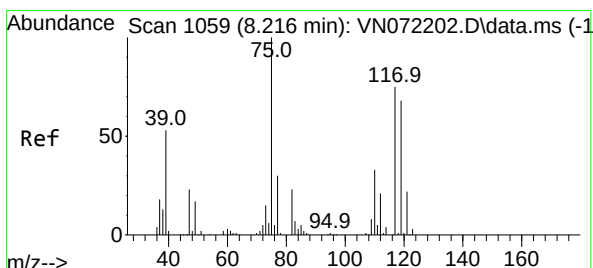
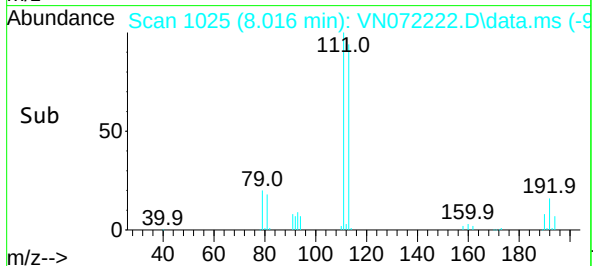
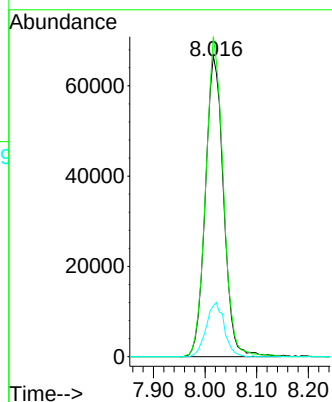
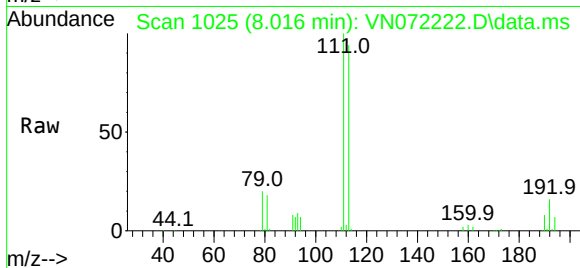
Tgt Ion:113 Resp: 162762

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072222.D

Acq: 27 Apr 2022 17:41

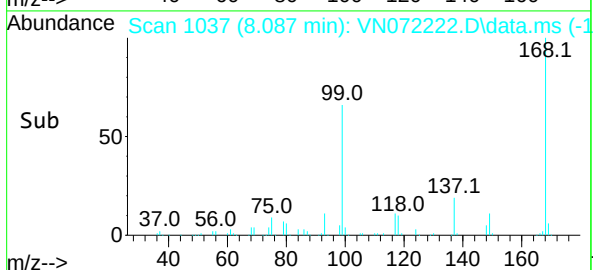
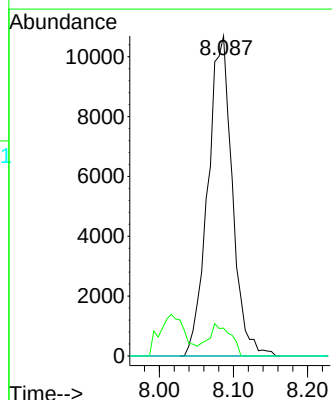
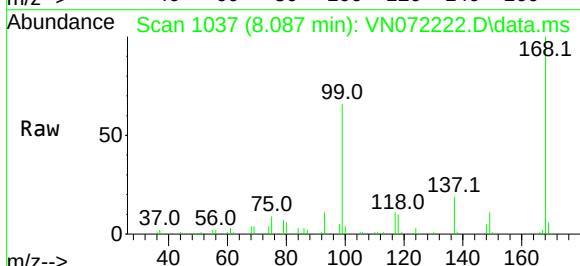
Tgt Ion: 75 Resp: 24475

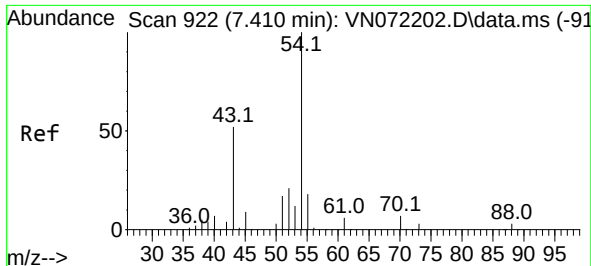
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.702 ug/l

RT: 7.351 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN072222.D

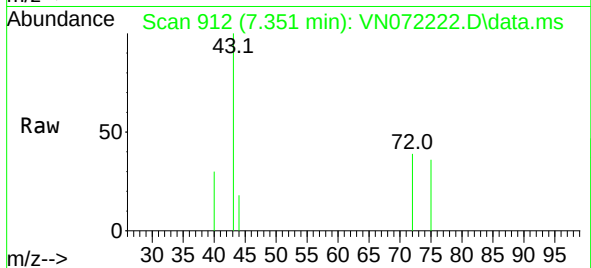
Acq: 27 Apr 2022 17:41

Instrument :

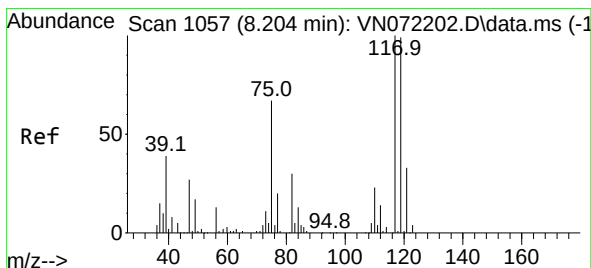
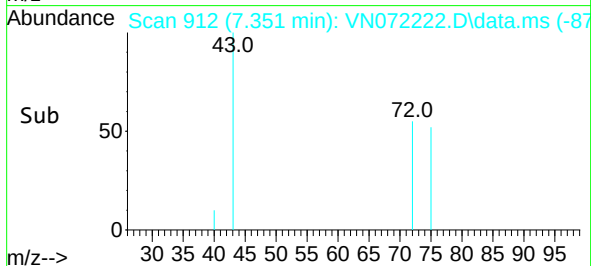
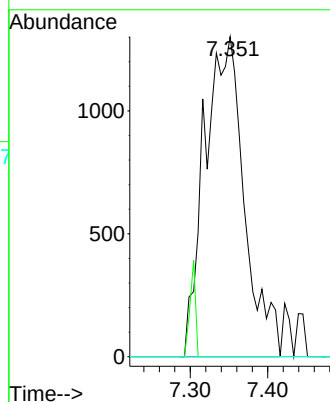
MSVOA_N

ClientSampleId :

31798



Tgt Ion: 43	Resp: 4635
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6#
70	0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.794 ug/l

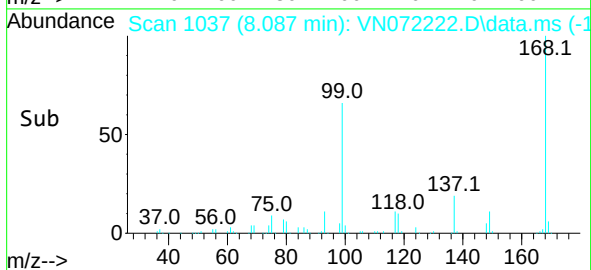
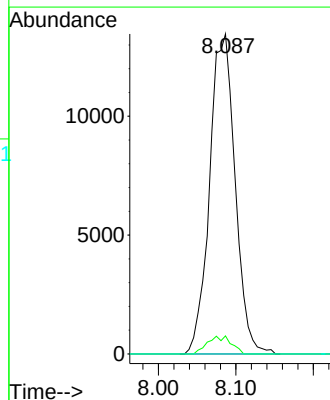
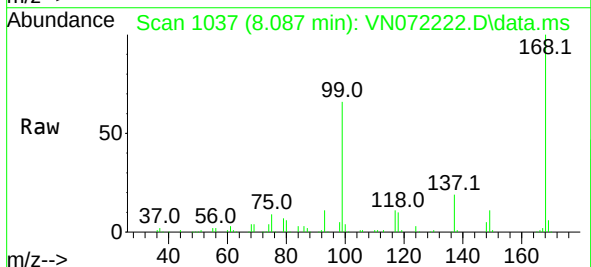
RT: 8.087 min Scan# 1037

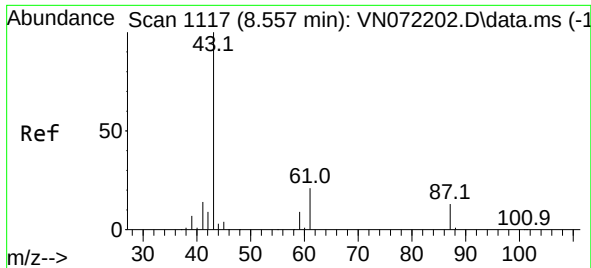
Delta R.T. -0.117 min

Lab File: VN072222.D

Acq: 27 Apr 2022 17:41

Tgt Ion: 117	Resp: 30860
Ion Ratio	Lower Upper
117	100
119	5.7 75.8 113.8#
121	0.0 24.6 37.0#

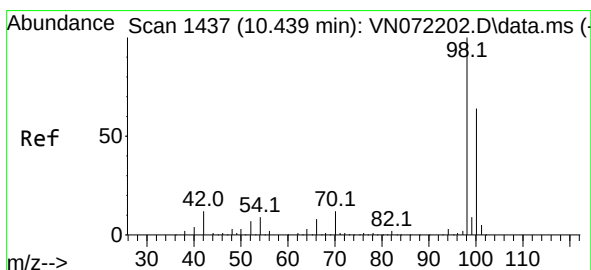
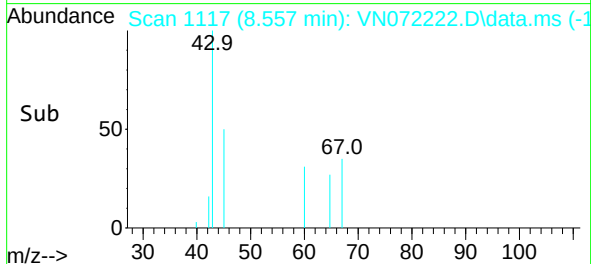
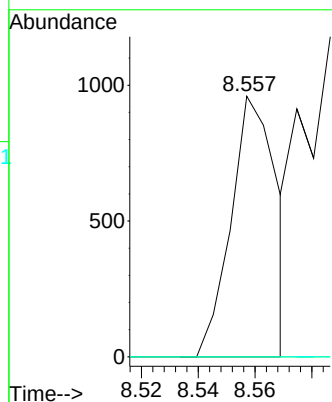
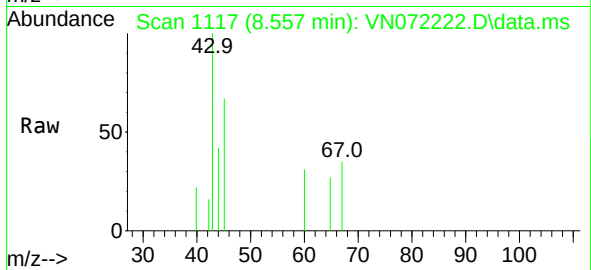




#43
Isopropyl Acetate
Concen: 0.903 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

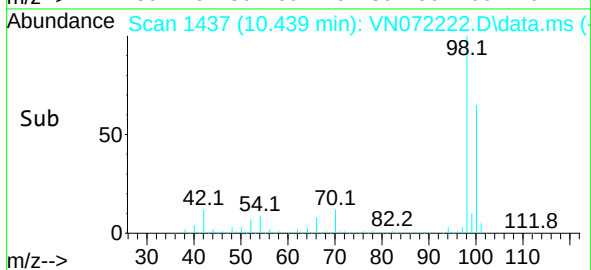
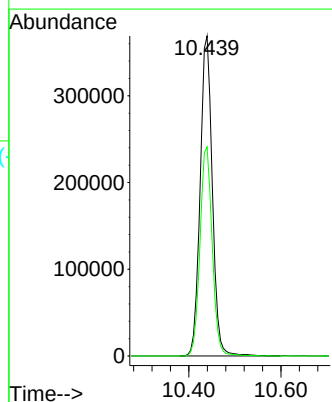
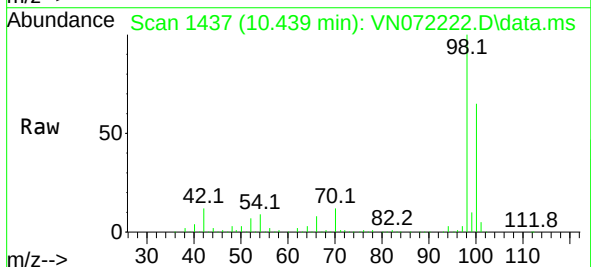
Instrument :
MSVOA_N
ClientSampleId :
31798

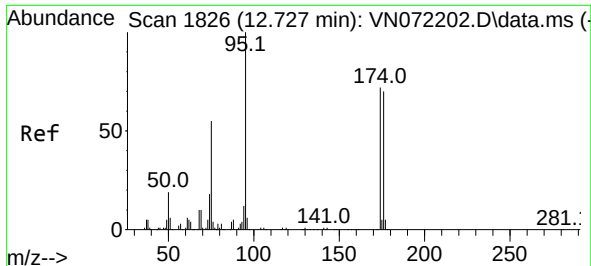
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 50.535 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 98 Resp: 678371
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

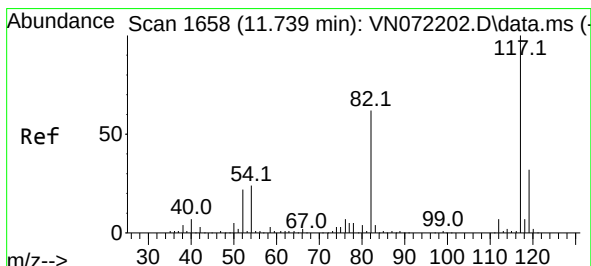
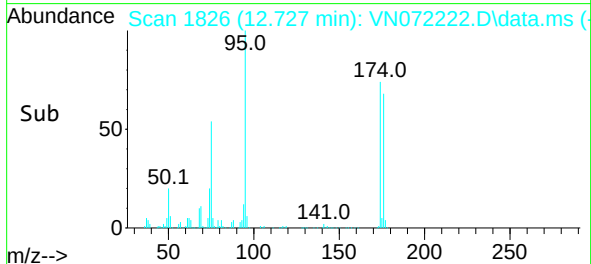
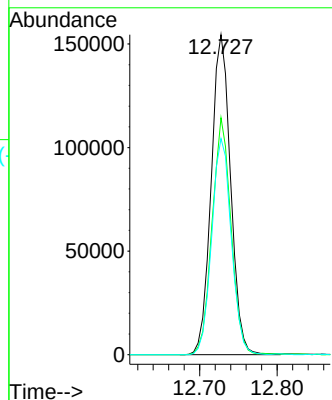
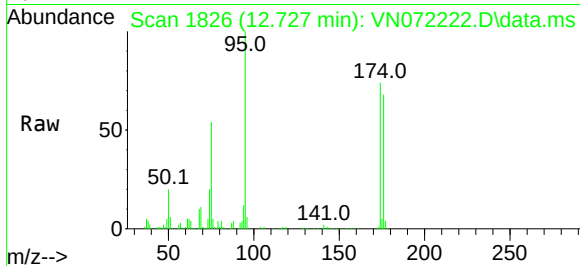




#62
4-Bromofluorobenzene
Concen: 60.270 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

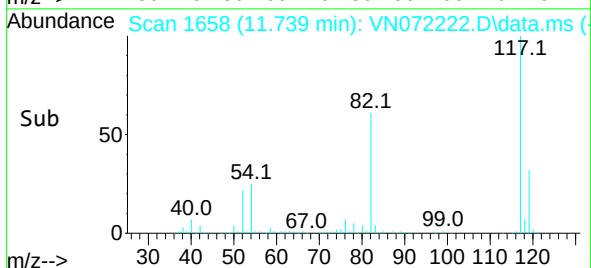
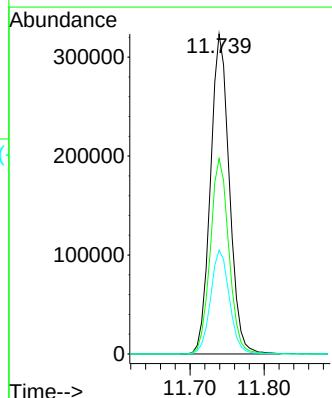
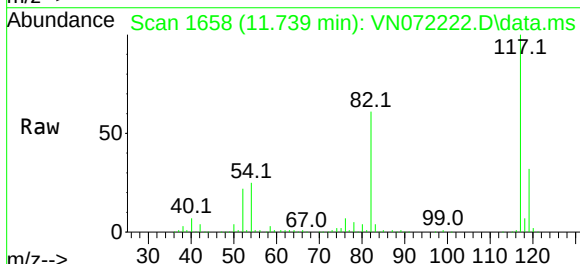
Instrument :
MSVOA_N
ClientSampleId :
31798

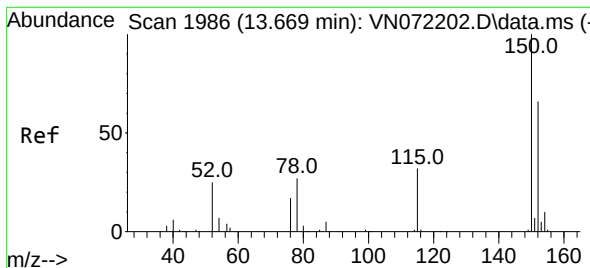
Tgt Ion: 95 Resp: 268539
Ion Ratio Lower Upper
95 100
174 72.6 0.0 167.6
176 68.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Tgt Ion: 117 Resp: 572203
Ion Ratio Lower Upper
117 100
82 61.0 44.2 66.2
119 32.5 25.4 38.0

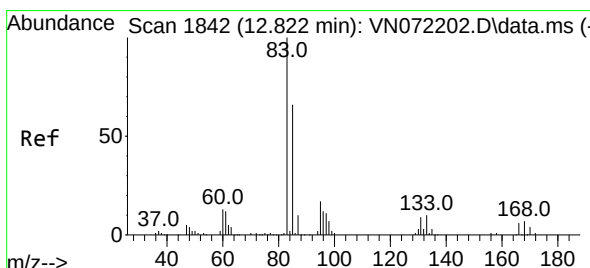
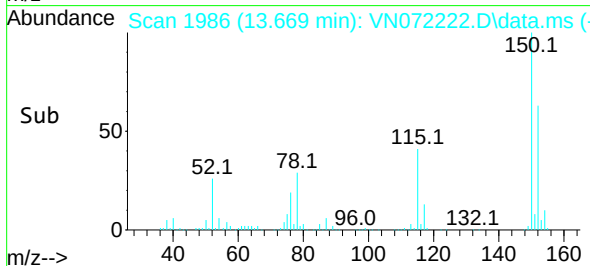
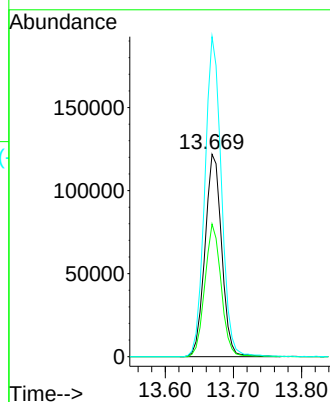
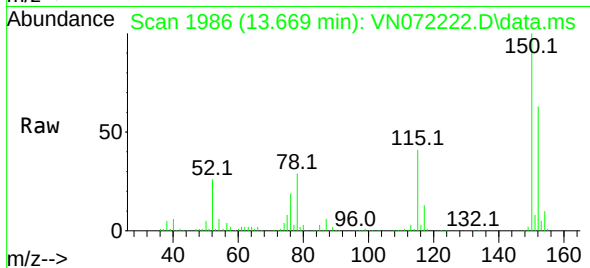




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072222.D
 Acq: 27 Apr 2022 17:41

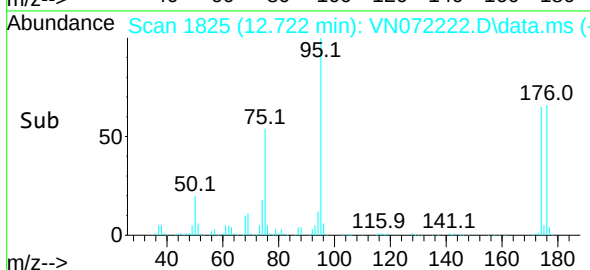
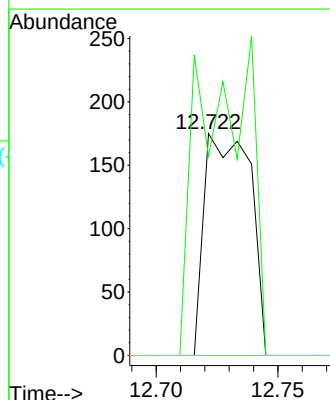
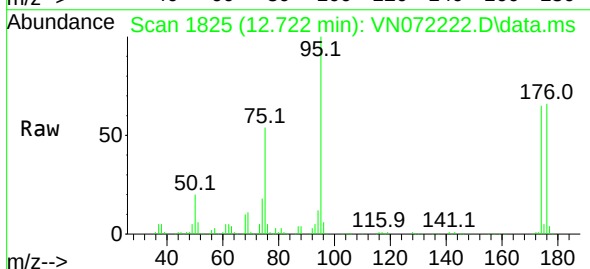
Instrument :
 MSVOA_N
 ClientSampleId :
 31798

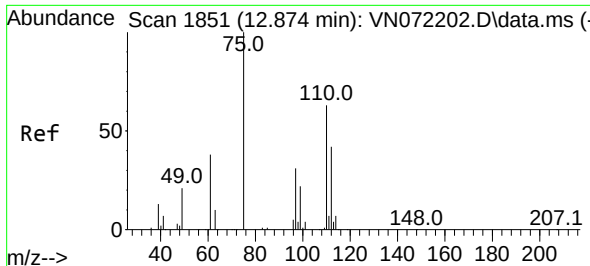
Tgt Ion:152 Resp: 207751
 Ion Ratio Lower Upper
 152 100
 115 64.0 28.9 86.7
 150 156.8 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.722 min Scan# 1825
 Delta R.T. -0.100 min
 Lab File: VN072222.D
 Acq: 27 Apr 2022 17:41

Tgt Ion: 83 Resp: 230
 Ion Ratio Lower Upper
 83 100
 131 156.1 5.3 15.9#
 85 0.0 32.3 96.9#

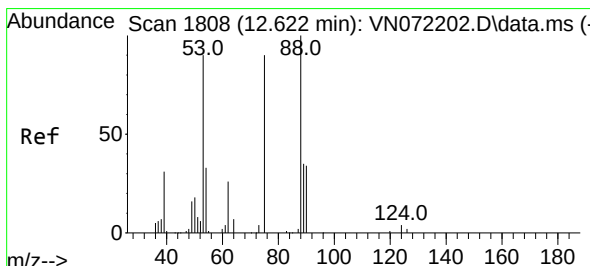
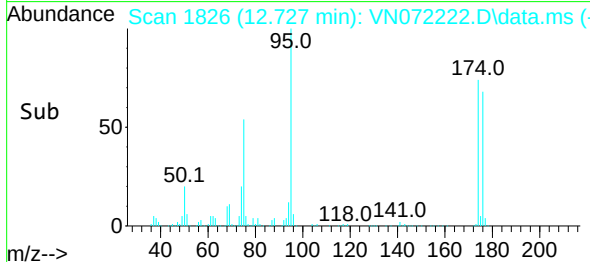
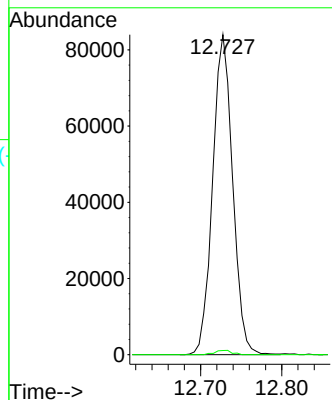
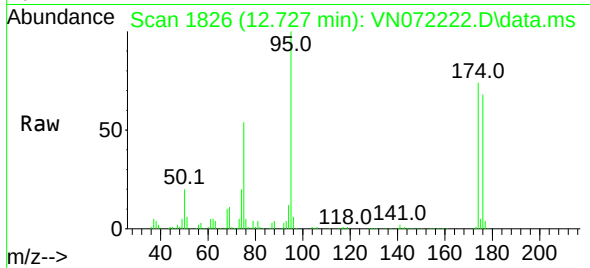




#76
1,2,3-Trichloropropane
Concen: 30.810 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

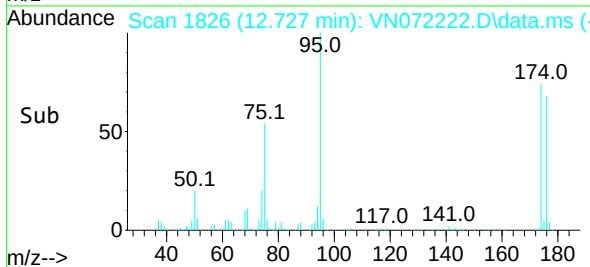
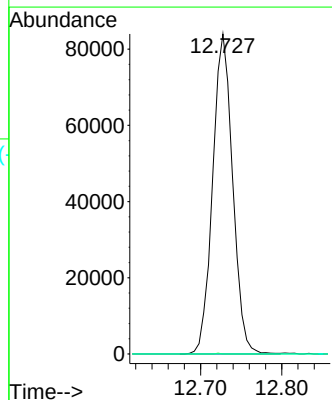
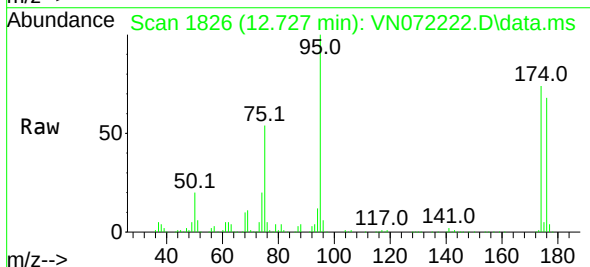
Instrument :
MSVOA_N
ClientSampleId :
31798

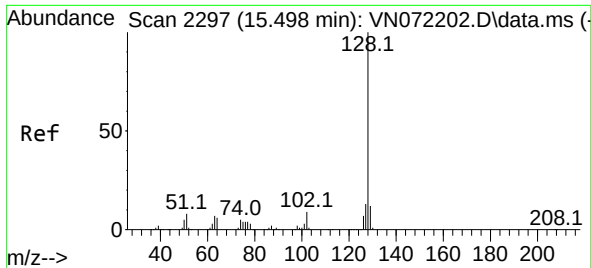
Tgt Ion: 75 Resp: 143797
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.032 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

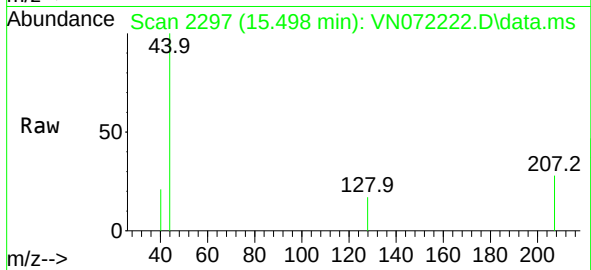
Tgt Ion: 75 Resp: 143797
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 4.305 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072222.D
Acq: 27 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :
31798



Tgt Ion:128	Resp:	61
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.3 15.5#
129	0.0	8.6 13.0#

