

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042722\
 Data File : VN072214.D
 Acq On : 27 Apr 2022 14:29
 Operator : JC\MD
 Sample : N2575-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31809

Quant Time: Apr 28 06:03:37 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)

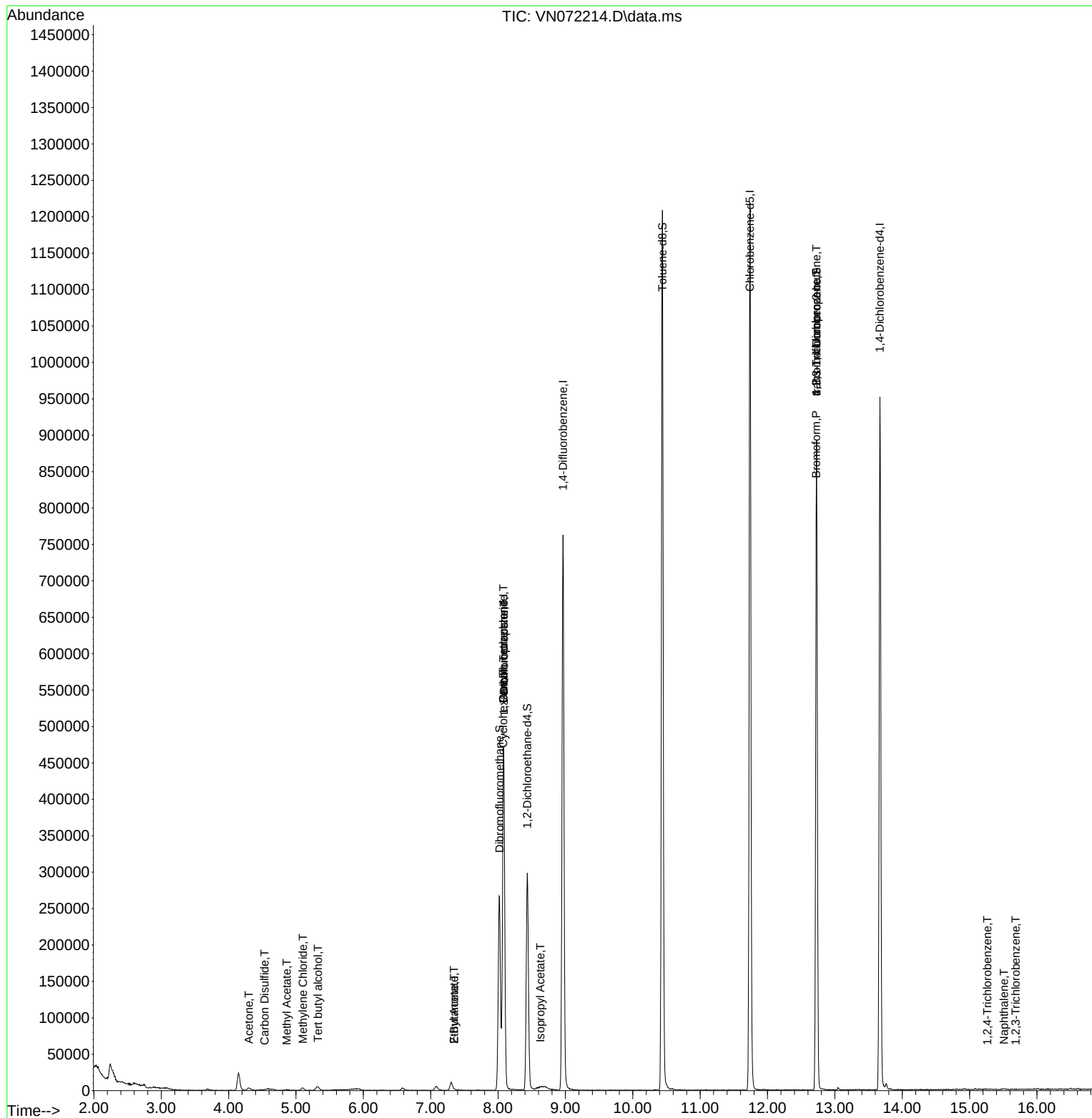
Internal Standards						
1) Pentafluorobenzene	8.080	168	343505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	641148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	687687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	250839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	257027	48.739	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.480%
35) Dibromofluoromethane	8.022	113	194737	47.454	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.900%
50) Toluene-d8	10.439	98	816594	50.641	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.280%
62) 4-Bromofluorobenzene	12.727	95	316370	59.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1240	Below Cal		99
5) Bromomethane	2.881	94	841	Below Cal	#	69
6) Chloroethane	3.034	64	1054	Below Cal	#	42
11) Tert butyl alcohol	5.328	59	5757	6.643	ug/l #	72
16) Acetone	4.298	43	4235	1.863	ug/l #	73
17) Carbon Disulfide	4.534	76	214	0.391	ug/l #	75
18) Methyl Acetate	4.863	43	2397	0.338	ug/l #	53
20) Methylene Chloride	5.104	84	2591	0.595	ug/l	93
25) 2-Butanone	7.345	43	2190	0.605	ug/l #	45
31) Cyclohexane	8.075	56	8056	1.143	ug/l #	24
36) 1,1-Dichloropropene	8.086	75	28860	4.832	ug/l #	49
37) Ethyl Acetate	7.345	43	2190	0.276	ug/l #	67
38) Carbon Tetrachloride	8.080	117	36853	5.761	ug/l #	17
43) Isopropyl Acetate	8.627	43	5189	1.211	ug/l #	53
71) Bromoform	12.721	173	1125	0.289	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.727	83	113	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	170377	30.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	170377	78.537	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.262	180	248	2.481	ug/l #	52
95) Naphthalene	15.509	128	2086	4.446	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.686	180	126	2.704	ug/l #	68

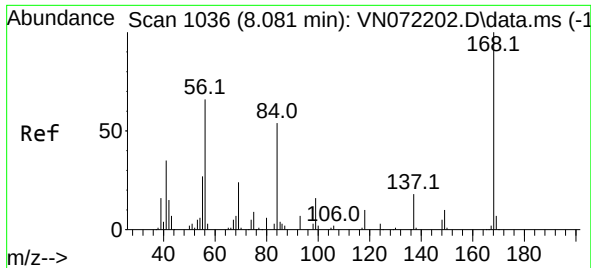
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration

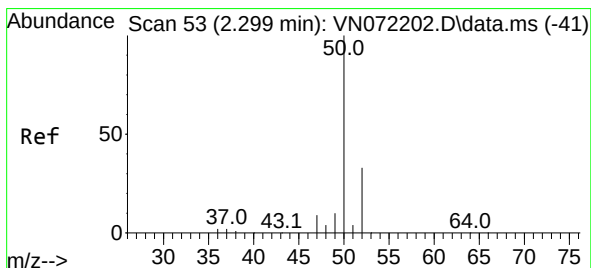
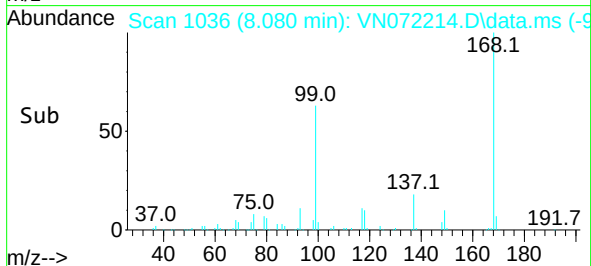
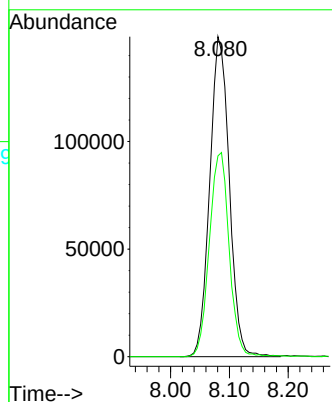
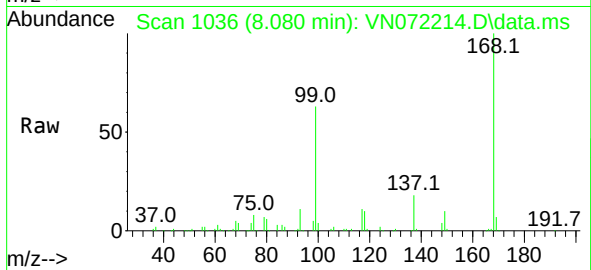




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

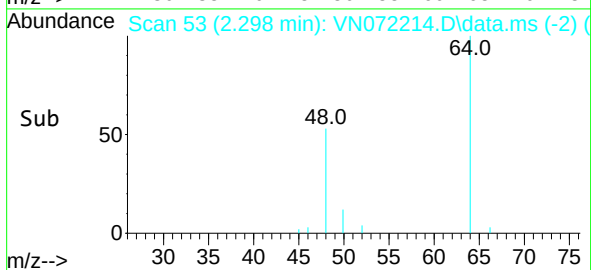
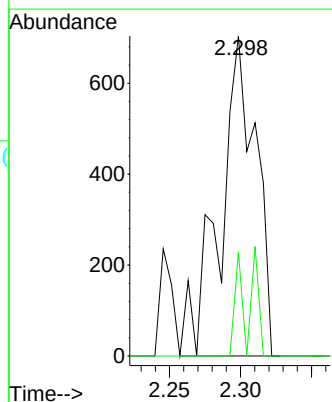
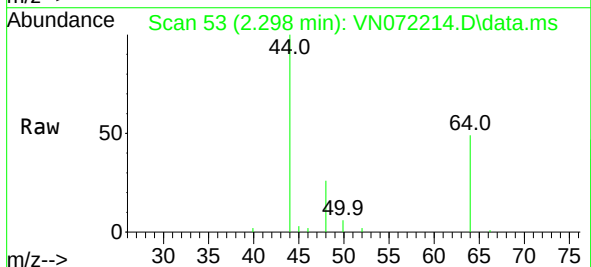
Instrument :
MSVOA_N
ClientSampleId :
31809

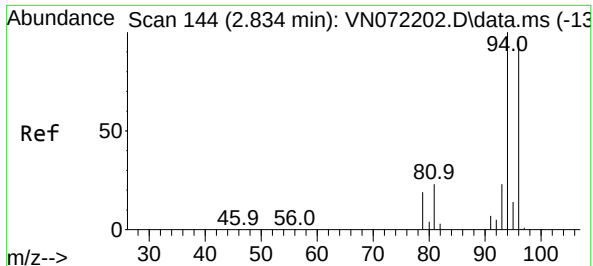
Tgt Ion:168 Resp: 343505
Ion Ratio Lower Upper
168 100
99 62.7 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 50 Resp: 1240
Ion Ratio Lower Upper
50 100
52 32.4 25.7 38.5





#5

Bromomethane

Concen: Below Cal

RT: 2.881 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN072214.D

Acq: 27 Apr 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

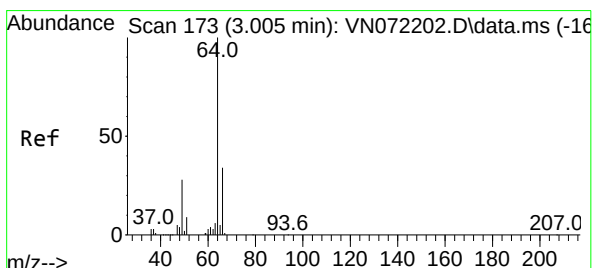
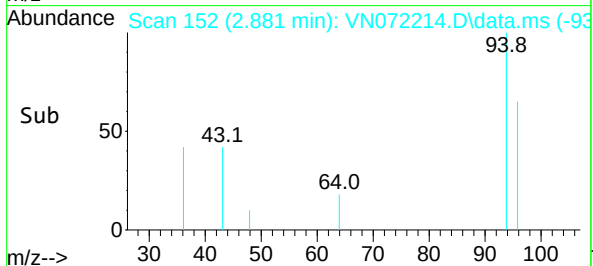
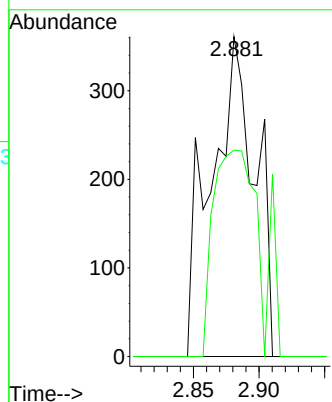
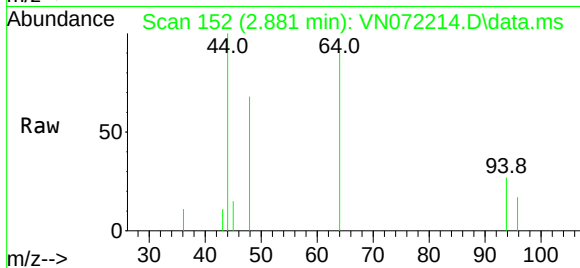
31809

Tgt Ion: 94 Resp: 841

Ion Ratio Lower Upper

94 100

96 64.5 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.034 min Scan# 178

Delta R.T. 0.029 min

Lab File: VN072214.D

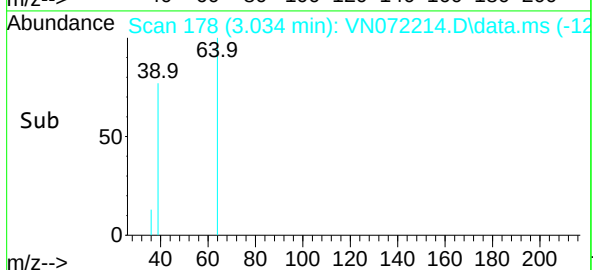
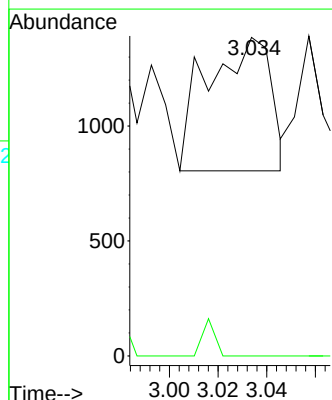
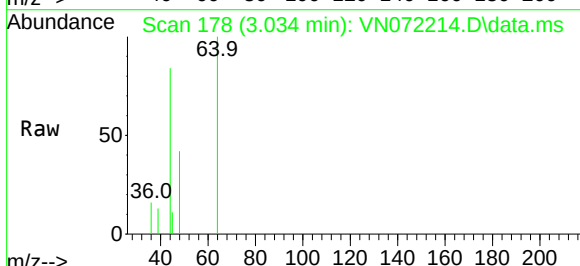
Acq: 27 Apr 2022 14:29

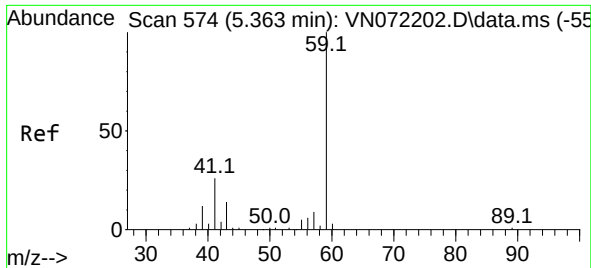
Tgt Ion: 64 Resp: 1054

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

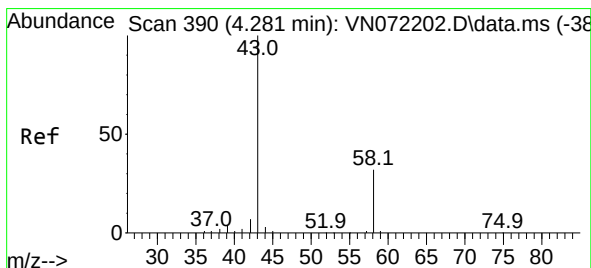
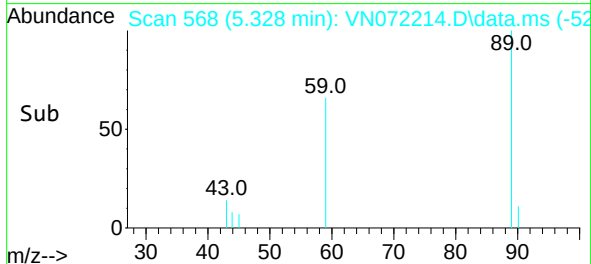
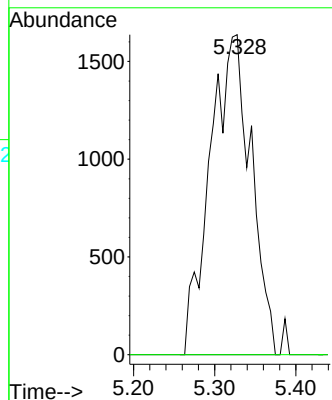
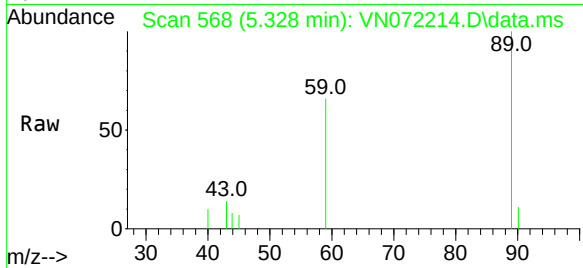




#11
Tert butyl alcohol
Concen: 6.643 ug/l
RT: 5.328 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

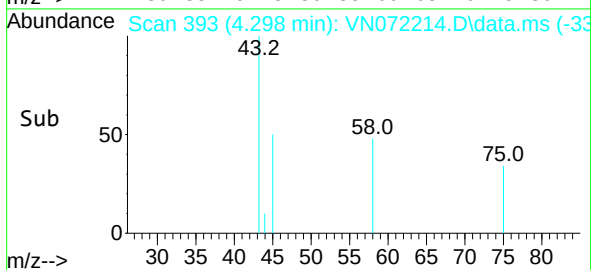
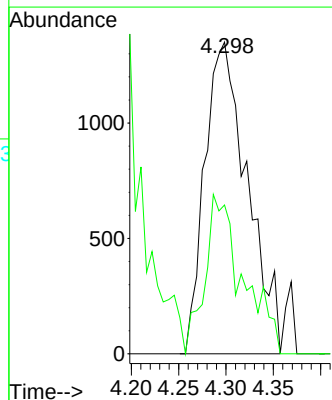
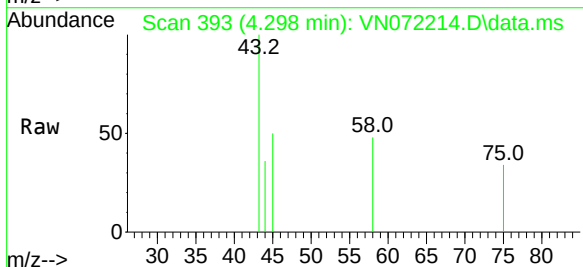
Instrument :
MSVOA_N
ClientSampleId :
31809

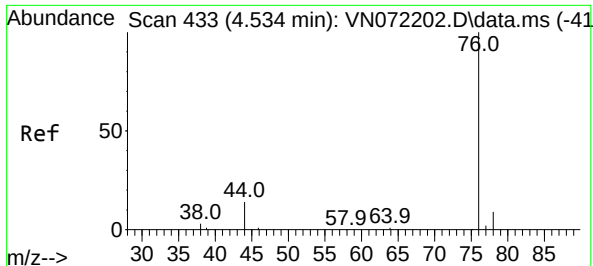
Tgt Ion: 59 Resp: 5757
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.863 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

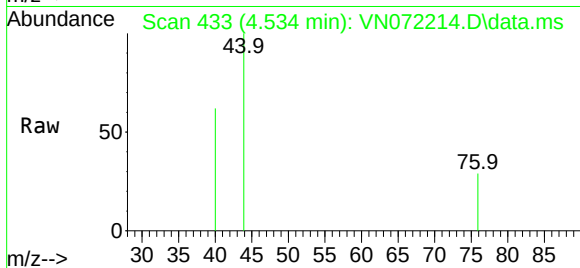
Tgt Ion: 43 Resp: 4235
Ion Ratio Lower Upper
43 100
58 47.7 26.0 39.0#



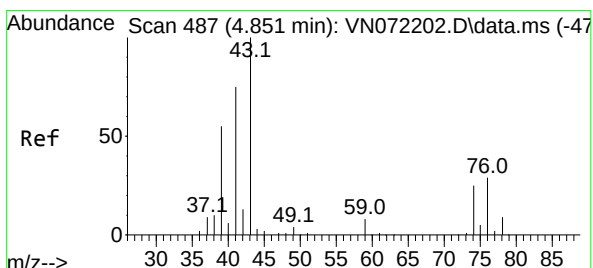
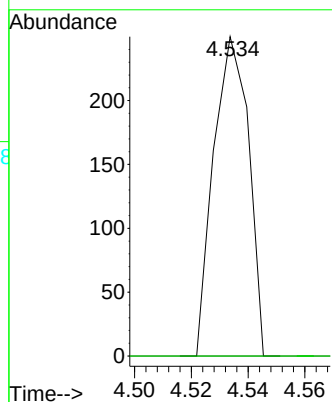
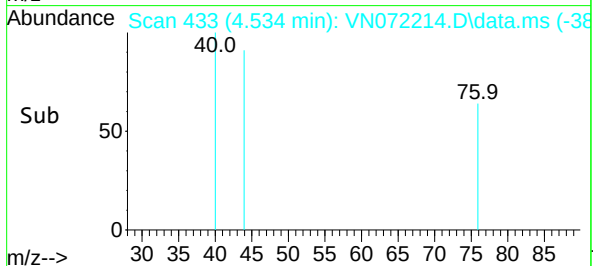


#17
Carbon Disulfide
Concen: 0.391 ug/l
RT: 4.534 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

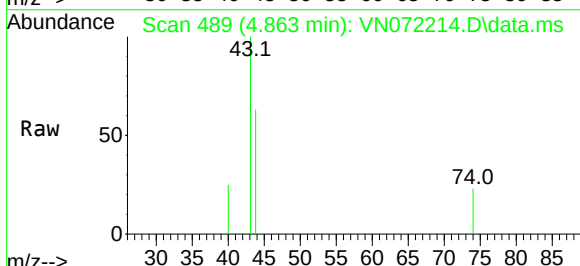
Instrument :
MSVOA_N
ClientSampleId :
31809



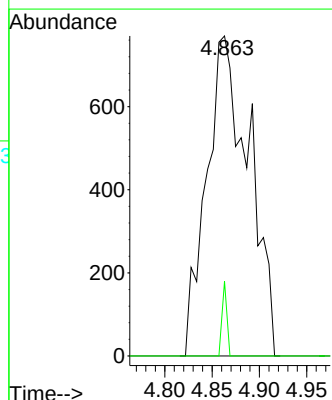
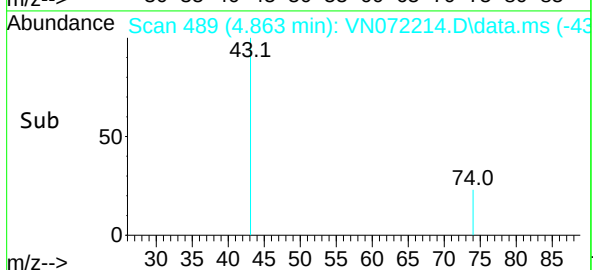
Tgt Ion: 76 Resp: 214
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

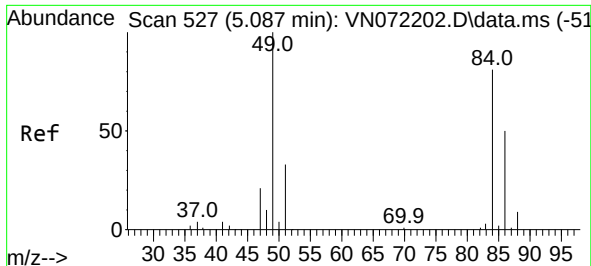


#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29



Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
74 2.6 21.6 32.4#



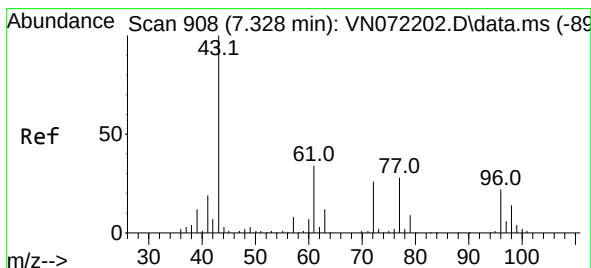
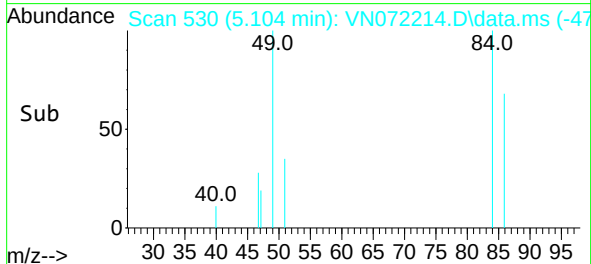
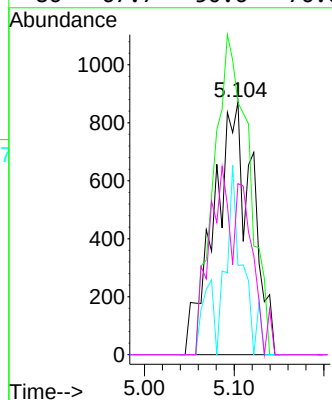
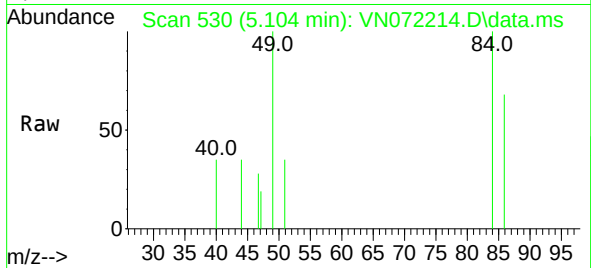


#20
Methylene Chloride
Concen: 0.595 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
31809

Tgt Ion: 84 Resp: 2591

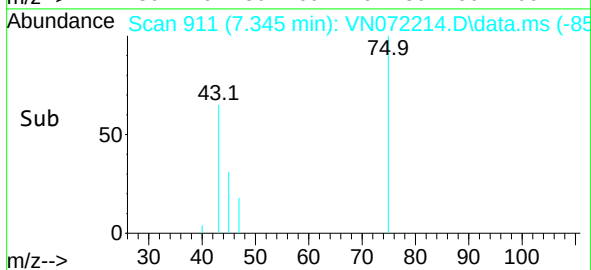
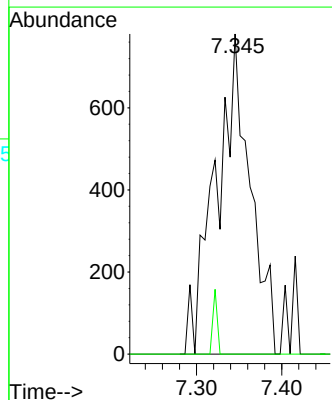
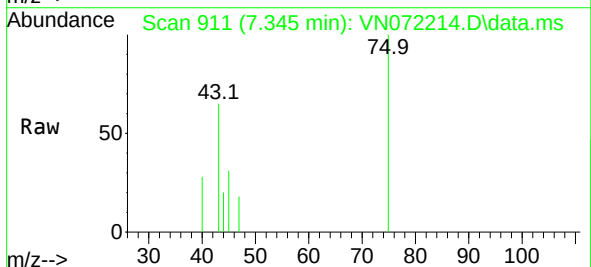
Ion	Ratio	Lower	Upper
84	100		
49	99.8	88.3	132.5
51	35.3	28.2	42.2
86	67.7	50.6	76.0

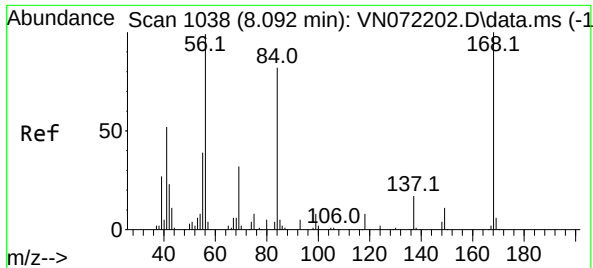


#25
2-Butanone
Concen: 0.605 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 43 Resp: 2190

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

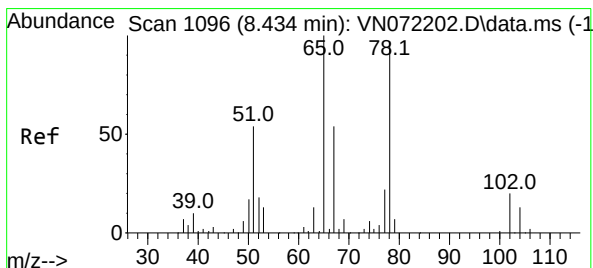
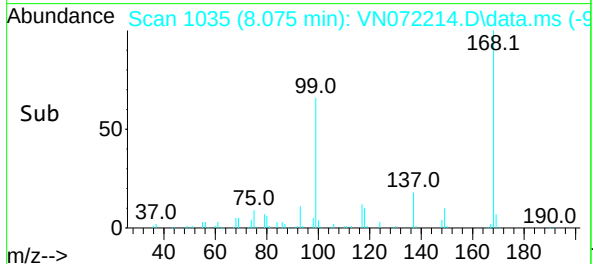
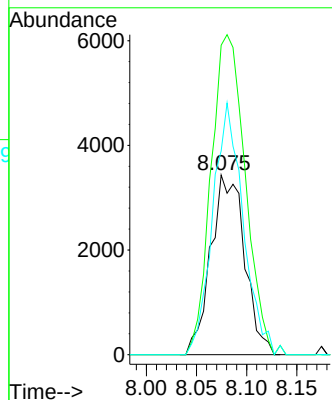
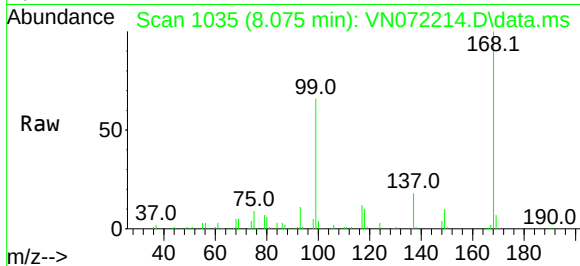




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

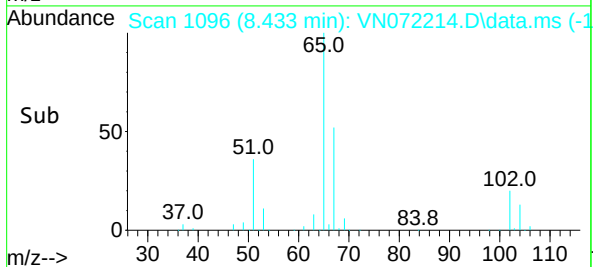
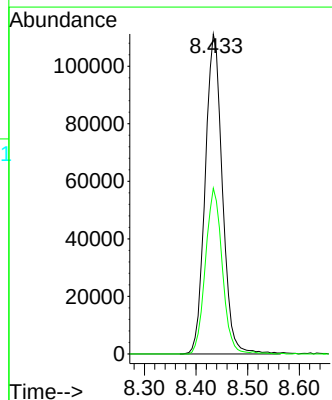
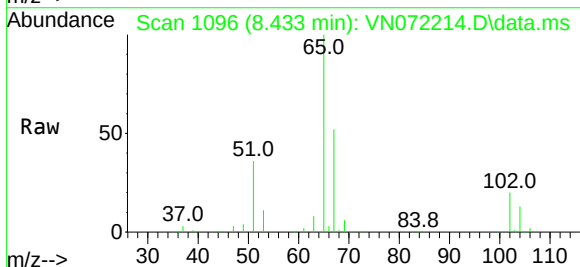
Instrument :
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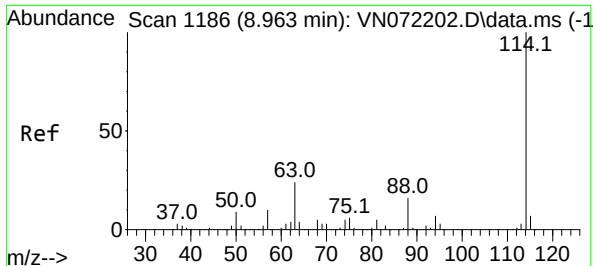
Tgt Ion: 56 Resp: 8056
Ion Ratio Lower Upper
56 100
69 172.2 27.8 41.8#
84 113.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 48.739 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 65 Resp: 257027
Ion Ratio Lower Upper
65 100
67 50.4 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: VN072214.D

Acq: 27 Apr 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

31809

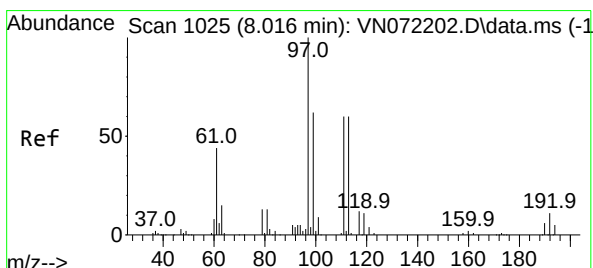
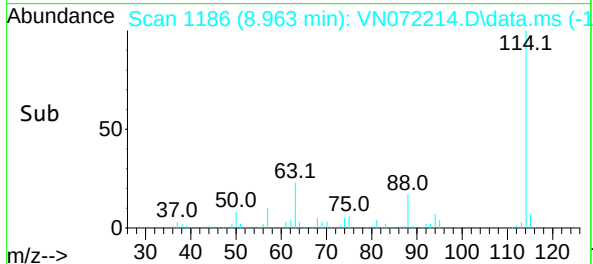
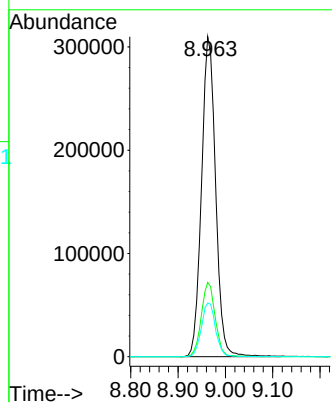
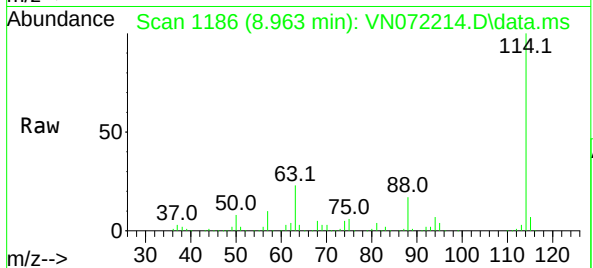
Tgt Ion:114 Resp: 641148

Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.454 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072214.D

Acq: 27 Apr 2022 14:29

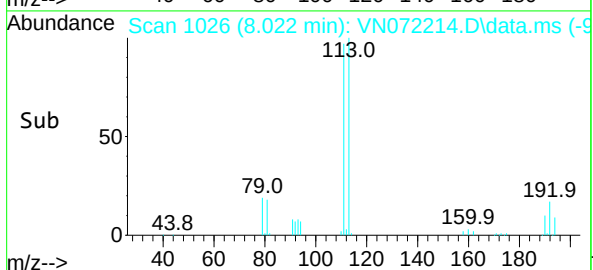
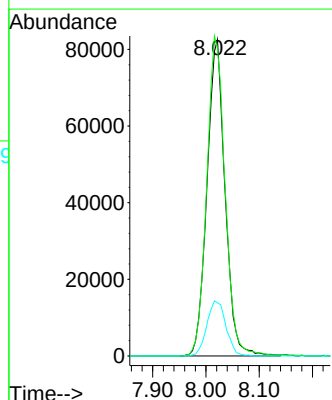
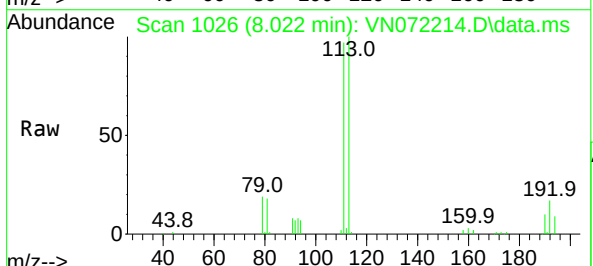
Tgt Ion:113 Resp: 194737

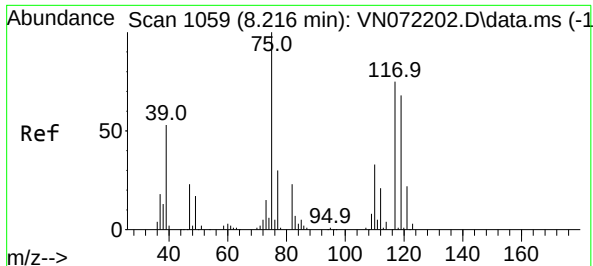
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

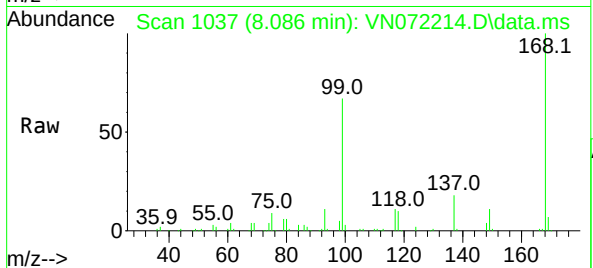
192 18.4 17.0 25.6



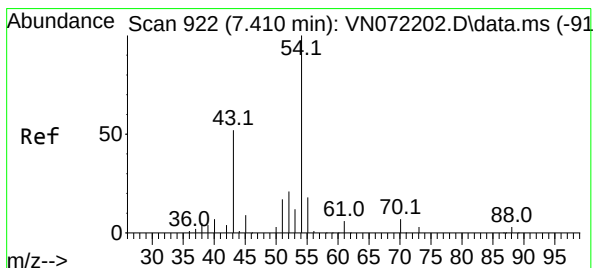
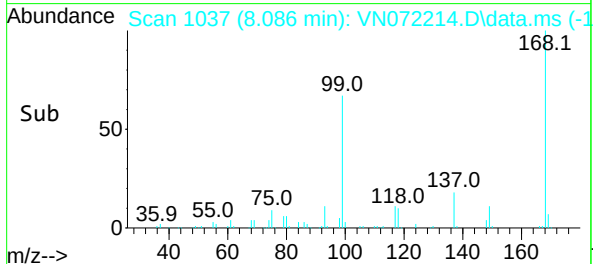
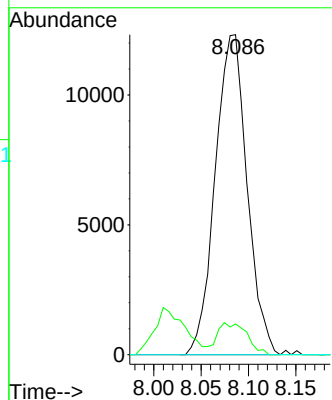


#36
1,1-Dichloropropene
Concen: 4.832 ug/l
RT: 8.086 min Scan# 1059
Delta R.T. -0.130 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
31809

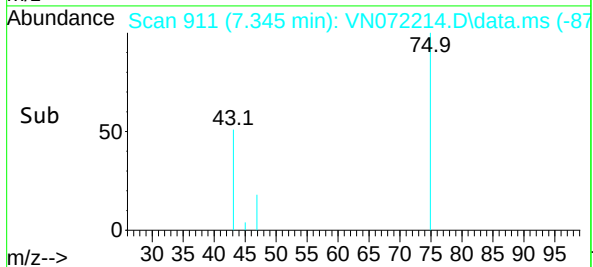
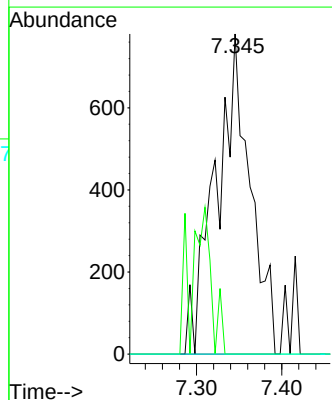
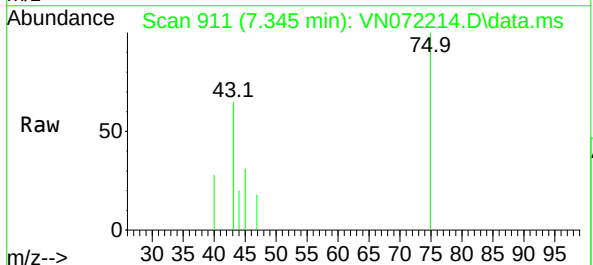


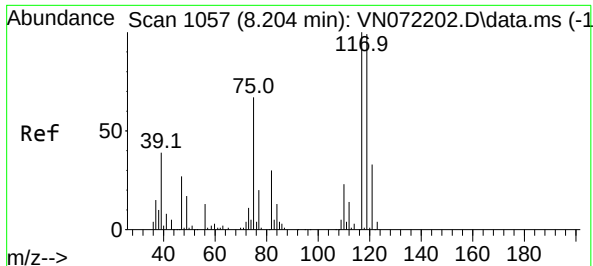
Tgt Ion: 75 Resp: 28860
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.276 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.065 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

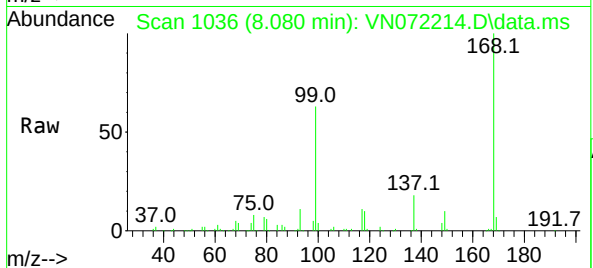
Tgt Ion: 43 Resp: 2190
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



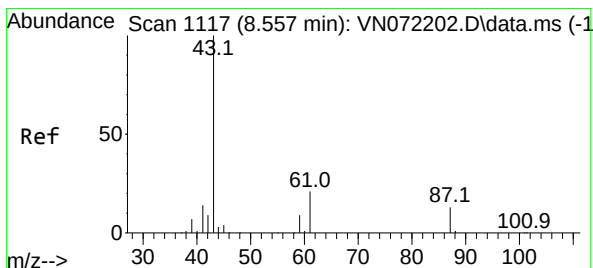
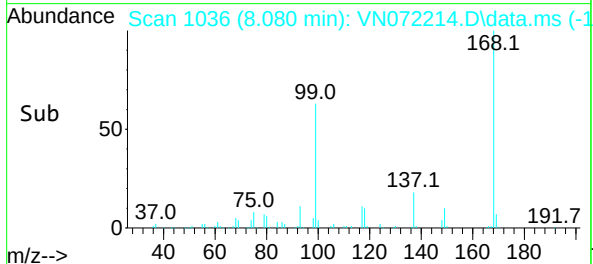
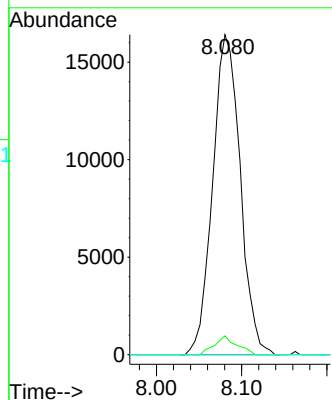


#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 8.080 min Scan# 1109
Delta R.T. -0.124 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :
31809

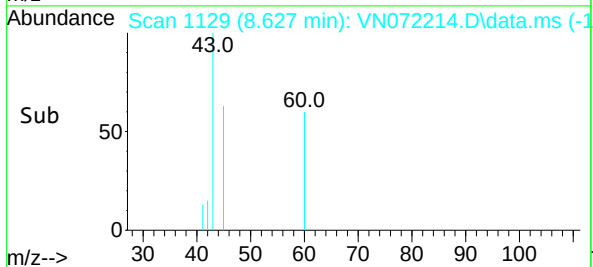
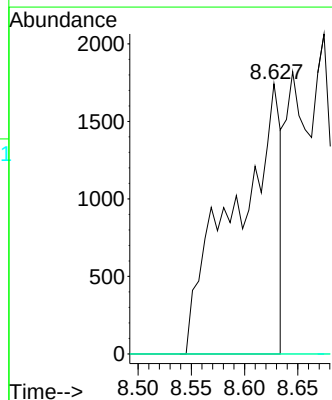
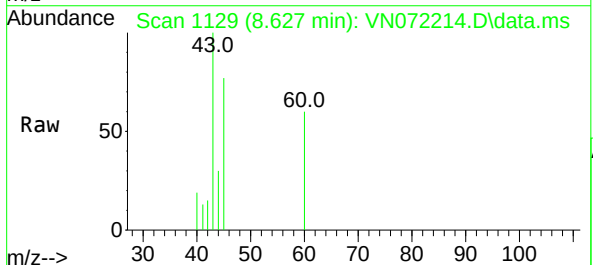


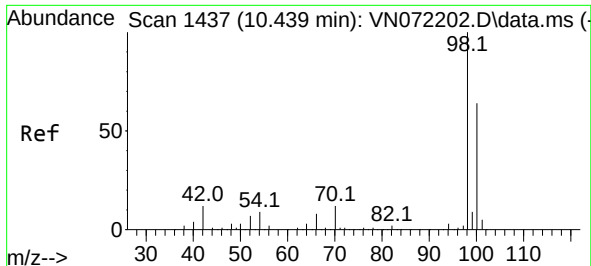
Tgt Ion: 117 Resp: 36853
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.211 ug/l
RT: 8.627 min Scan# 1129
Delta R.T. 0.070 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 43 Resp: 5189
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

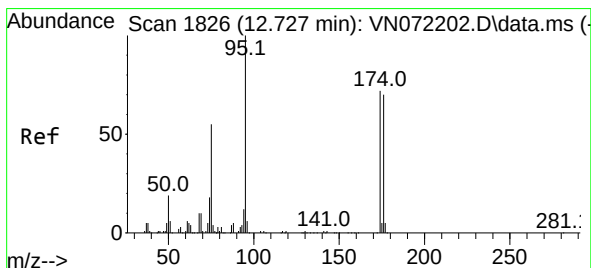
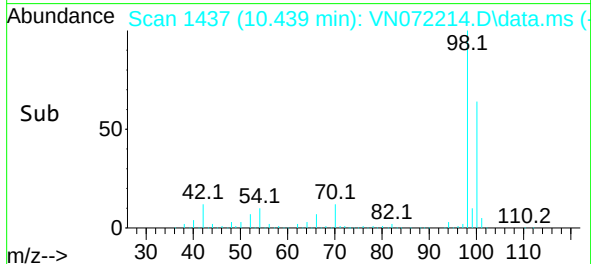
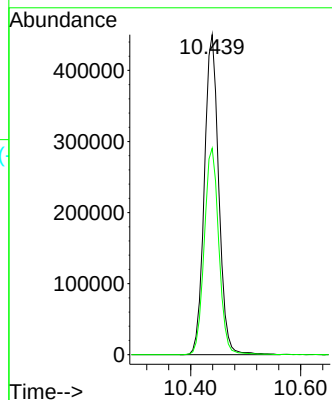
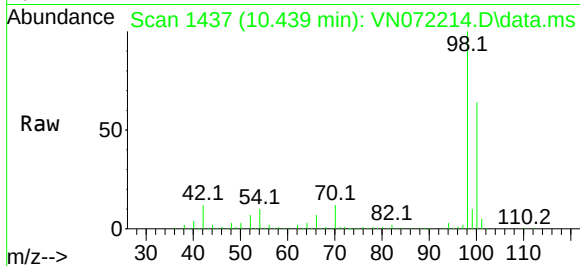




#50
Toluene-d8
Concen: 50.641 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

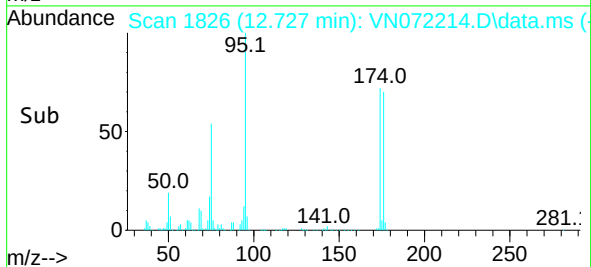
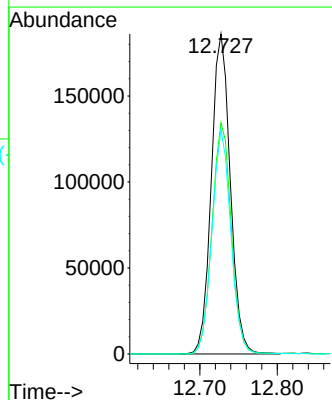
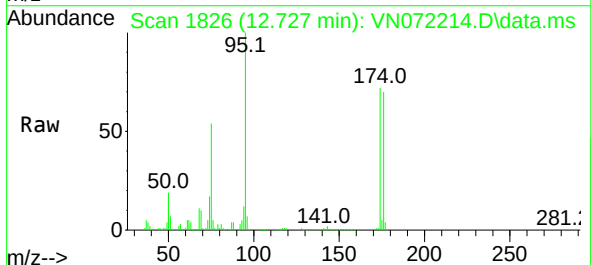
Instrument :
MSVOA_N
ClientSampleId :
31809

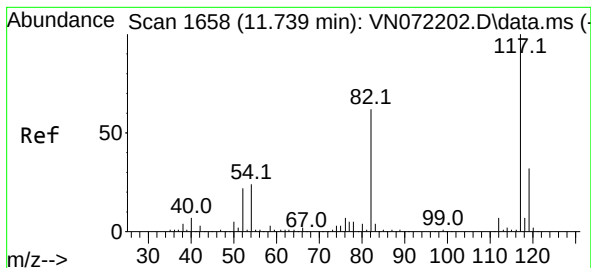
Tgt Ion: 98 Resp: 816594
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 59.110 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 95 Resp: 316370
Ion Ratio Lower Upper
95 100
174 73.1 0.0 167.6
176 69.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072214.D

Acq: 27 Apr 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

31809

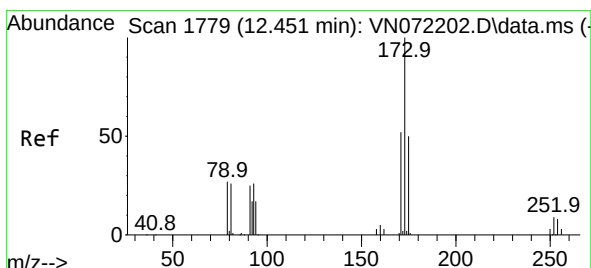
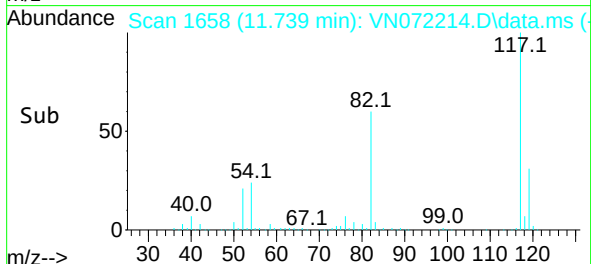
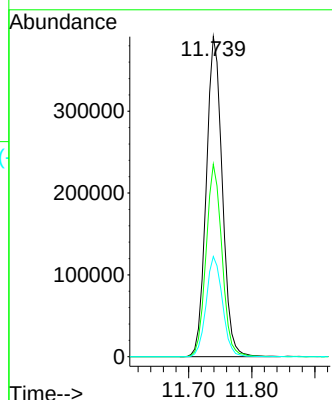
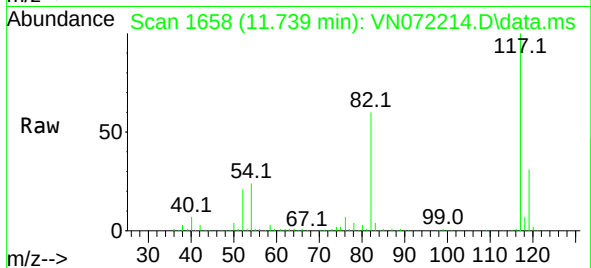
Tgt Ion:117 Resp: 687687

Ion Ratio Lower Upper

117 100

82 60.1 44.2 66.2

119 31.3 25.4 38.0



#71

Bromoform

Concen: 0.289 ug/l

RT: 12.721 min Scan# 1825

Delta R.T. 0.270 min

Lab File: VN072214.D

Acq: 27 Apr 2022 14:29

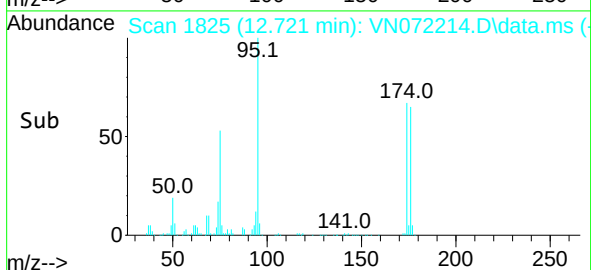
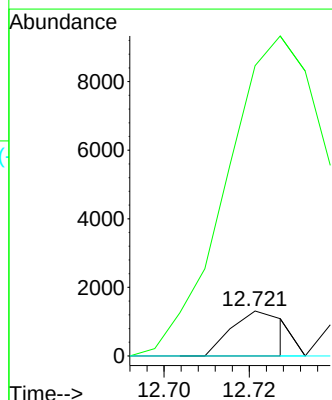
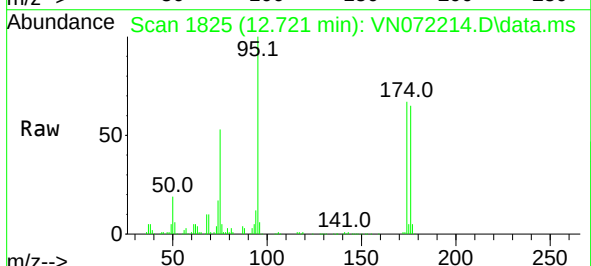
Tgt Ion:173 Resp: 1125

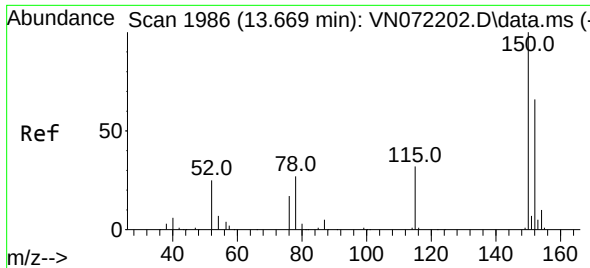
Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#

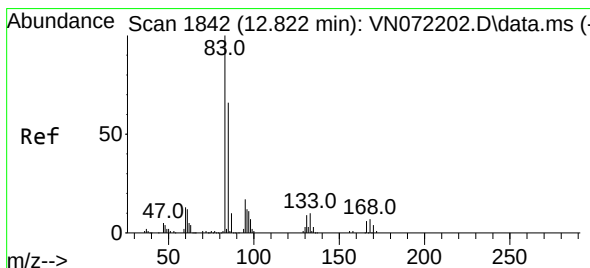
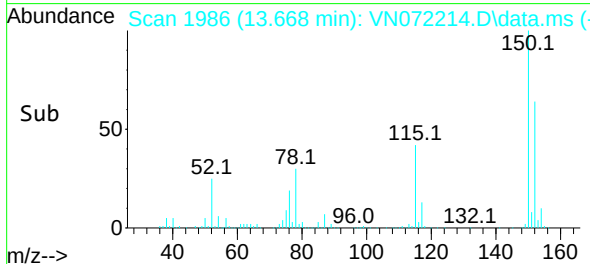
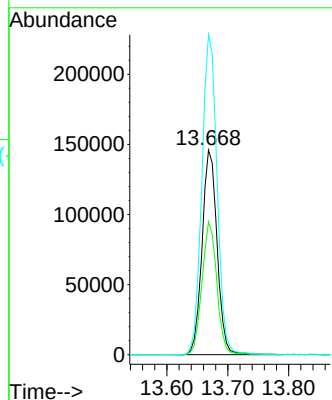
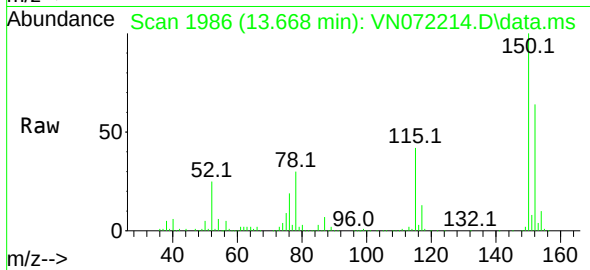




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072214.D
 Acq: 27 Apr 2022 14:29

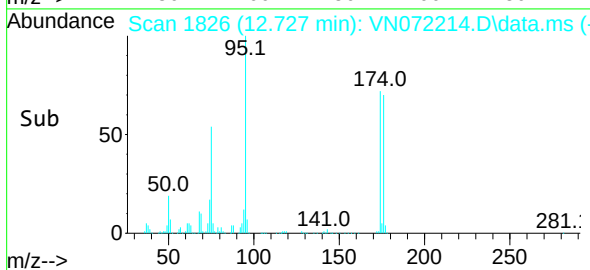
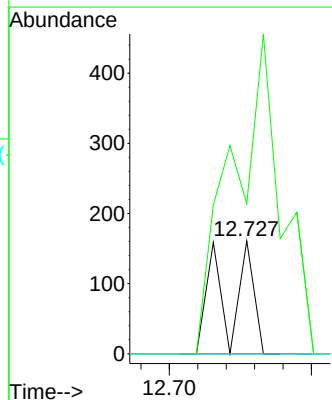
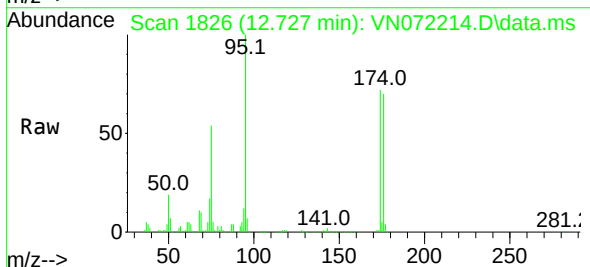
Instrument :
 MSVOA_N
 ClientSampleId :
 31809

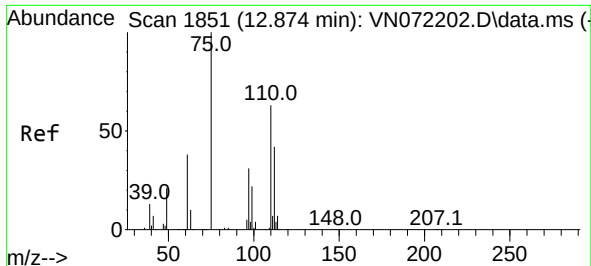
Tgt Ion:152 Resp: 250839
 Ion Ratio Lower Upper
 152 100
 115 63.8 28.9 86.7
 150 158.4 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.095 min
 Lab File: VN072214.D
 Acq: 27 Apr 2022 14:29

Tgt Ion: 83 Resp: 113
 Ion Ratio Lower Upper
 83 100
 131 482.3 5.3 15.9#
 85 0.0 32.3 96.9#

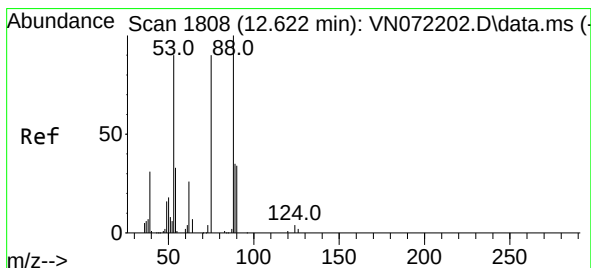
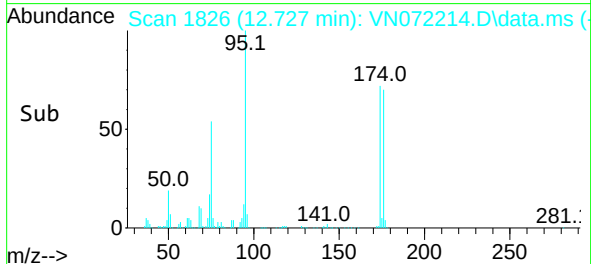
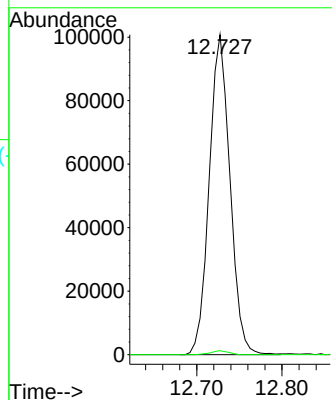
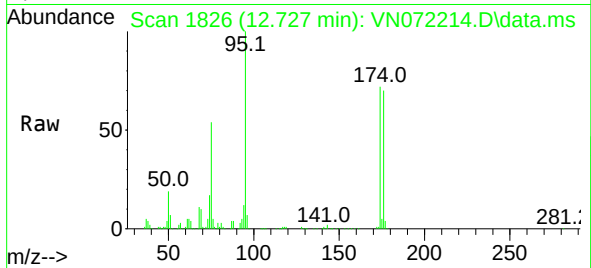




#76
1,2,3-Trichloropropane
Concen: 30.240 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

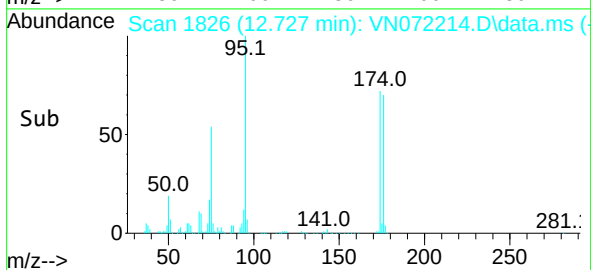
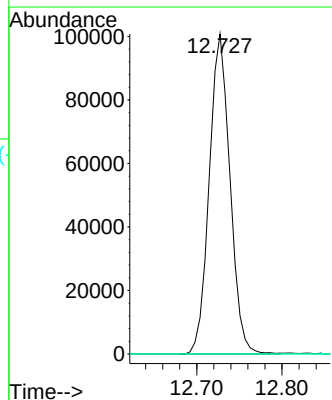
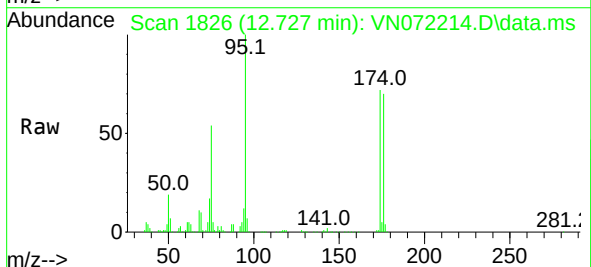
Instrument :
MSVOA_N
ClientSampleId :
31809

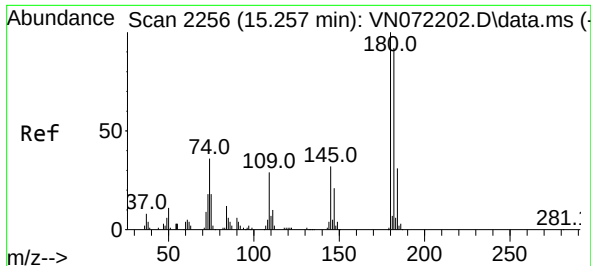
Tgt Ion: 75 Resp: 170377
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.537 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

Tgt Ion: 75 Resp: 170377
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

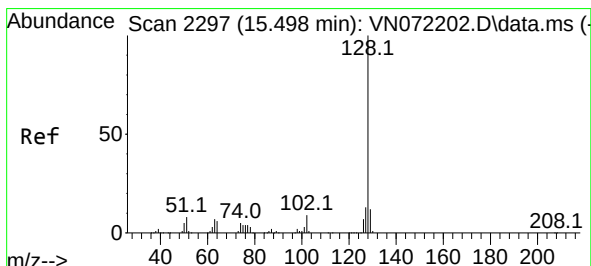
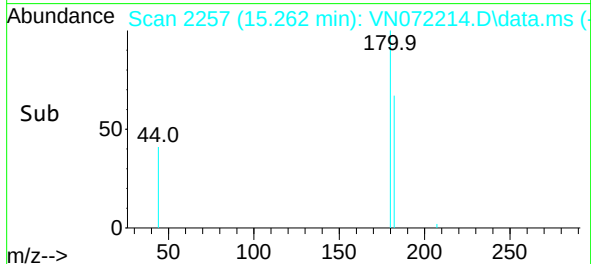
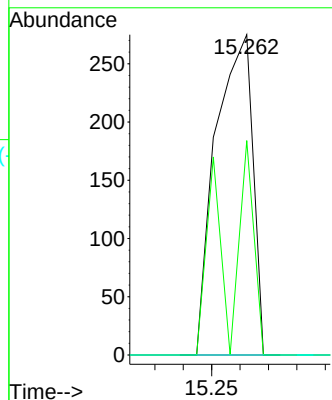
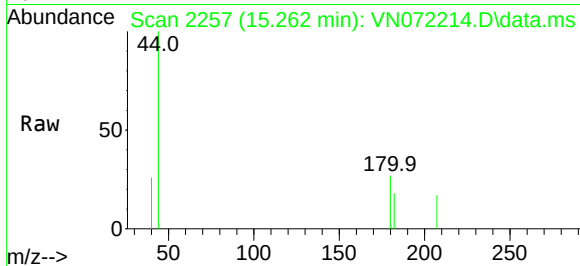




#93
1,2,4-Trichlorobenzene
Concen: 2.481 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

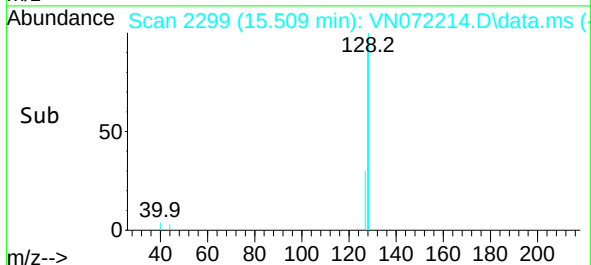
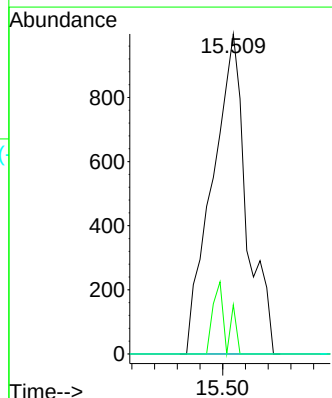
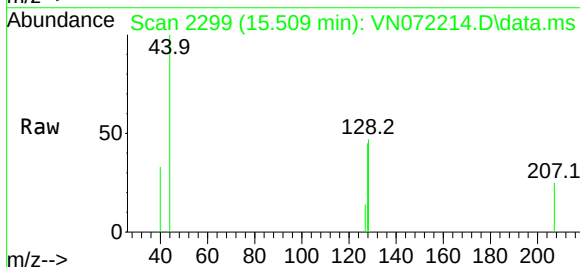
Instrument :
MSVOA_N
ClientSampleId :
31809

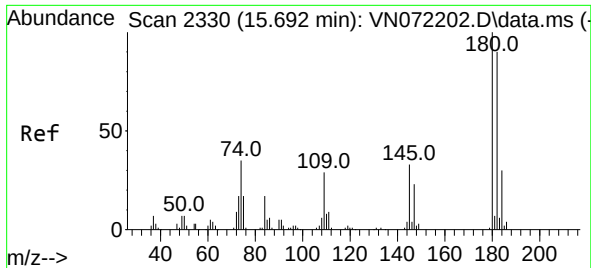
Tgt Ion:180 Resp: 248
Ion Ratio Lower Upper
180 100
182 50.4 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.446 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN072214.D
Acq: 27 Apr 2022 14:29

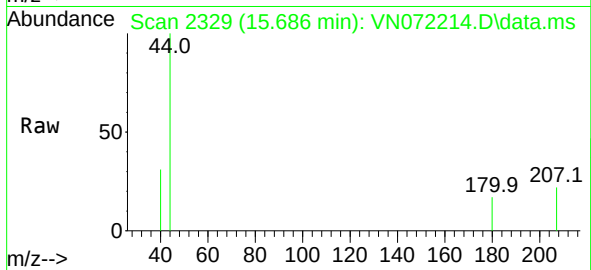
Tgt Ion:128 Resp: 2086
Ion Ratio Lower Upper
128 100
127 9.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.704 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072214.D
 Acq: 27 Apr 2022 14:29

Instrument :
 MSVOA_N
 ClientSampleId :
 31809



Tgt Ion:180 Resp: 126
 Ion Ratio Lower Upper
 180 100
 182 71.4 47.8 143.3
 145 0.0 15.5 46.5#

