

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072295.D
 Acq On : 02 May 2022 14:47
 Operator : JC\MD
 Sample : N2619-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:12:01 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)

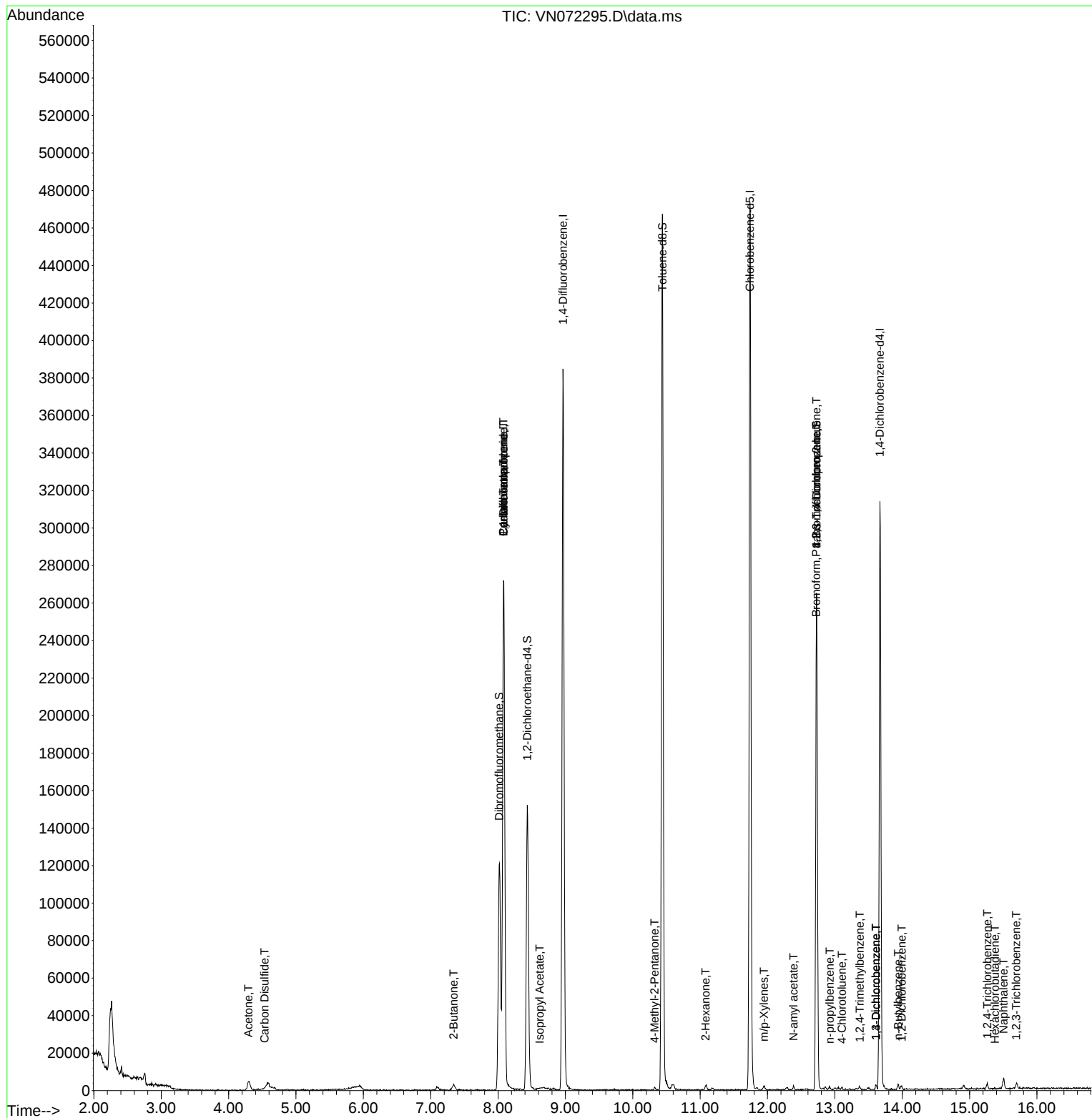
Internal Standards						
1) Pentafluorobenzene	8.081	168	189807	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	316896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	268898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	81575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	140253	48.131	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.260%		
35) Dibromofluoromethane	8.016	113	89557	44.153	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.300%		
50) Toluene-d8	10.439	98	318973	40.021	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	80.040%		
62) 4-Bromofluorobenzene	12.727	95	97838	36.984	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	73.960%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	997	Below Cal	#	43
5) Bromomethane	2.875	94	236	Below Cal	#	56
6) Chloroethane	2.834	64	1210	Below Cal	#	42
16) Acetone	4.293	43	8494	6.761	ug/l	# 76
17) Carbon Disulfide	4.534	76	634	0.511	ug/l	# 75
25) 2-Butanone	7.339	43	5742	2.870	ug/l	# 84
31) Cyclohexane	8.081	56	4288	1.101	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	16729	5.666	ug/l	# 50
38) Carbon Tetrachloride	8.081	117	22206	7.023	ug/l	# 16
43) Isopropyl Acetate	8.616	43	948	0.953	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.322	43	1274	0.344	ug/l	# 56
59) 2-Hexanone	11.080	43	2636	1.011	ug/l	87
68) m/p-Xylenes	11.945	106	772	0.219	ug/l	# 66
71) Bromoform	12.721	173	478	0.314	ug/l	# 28
74) N-amyl acetate	12.386	43	1163	0.431	ug/l	# 91
75) 1,1,2,2-Tetrachloroethane	12.827	83	352	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.727	75	54847	29.936	ug/l	# 1
78) n-propylbenzene	12.921	91	2072	0.261	ug/l	# 71
81) trans-1,4-Dichloro-2-b...	12.727	75	54847	77.741	ug/l	# 10
82) 4-Chlorotoluene	13.104	91	1144	0.236	ug/l	76
84) 1,2,4-Trimethylbenzene	13.368	105	1581	0.272	ug/l	92
87) 1,3-Dichlorobenzene	13.610	146	814	0.295	ug/l	89
88) 1,4-Dichlorobenzene	13.610	146	814	0.304	ug/l	89
89) n-Butylbenzene	13.939	91	1990	0.485	ug/l	95
91) 1,2-Dichlorobenzene	13.992	146	931	0.343	ug/l	94
93) 1,2,4-Trichlorobenzene	15.262	180	1528	3.577	ug/l	89
94) Hexachlorobutadiene	15.374	225	185	0.254	ug/l	# 39
95) Naphthalene	15.504	128	6711	5.751	ug/l	# 96
96) 1,2,3-Trichlorobenzene	15.692	180	1595	3.879	ug/l	# 83

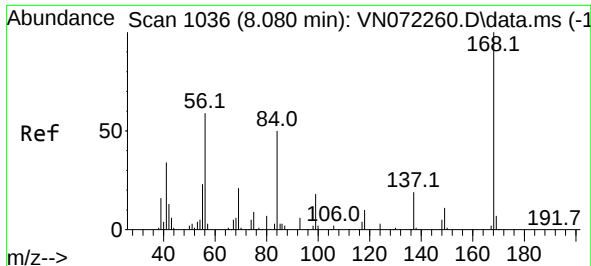
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 03:12:01 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

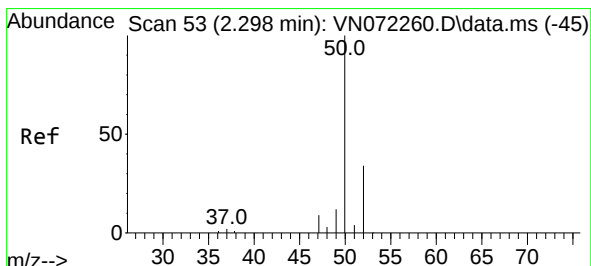
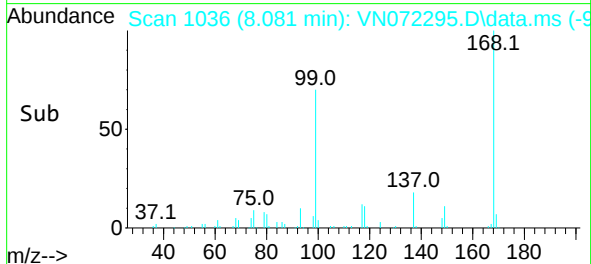
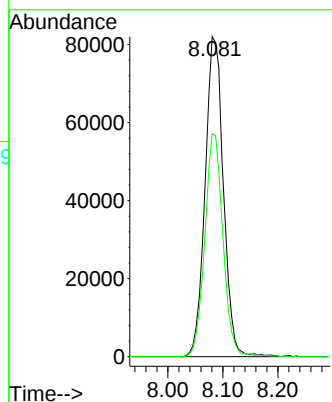
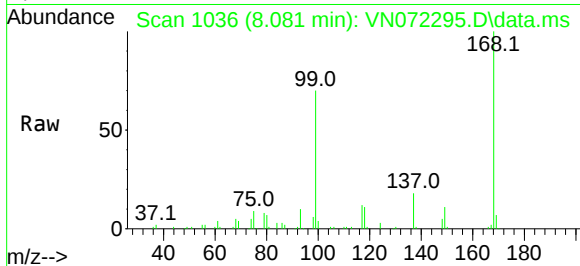




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

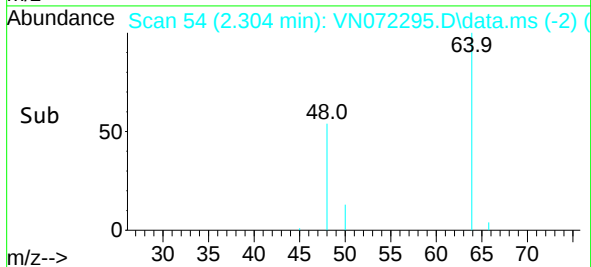
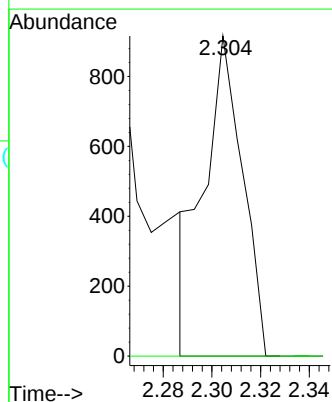
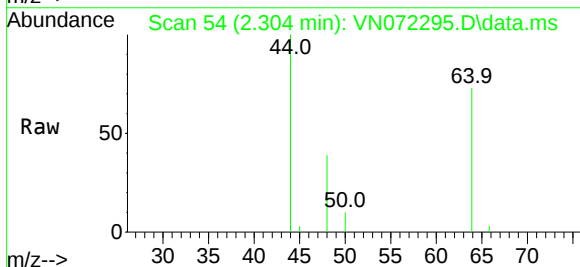
Instrument :
MSVOA_N
ClientSampleId :

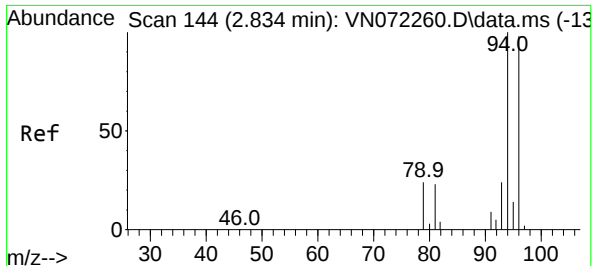
Tgt Ion:168 Resp: 189807
Ion Ratio Lower Upper
168 100
99 69.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

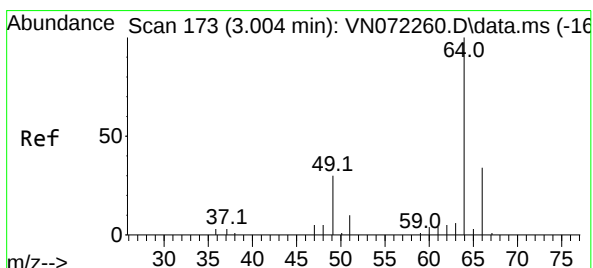
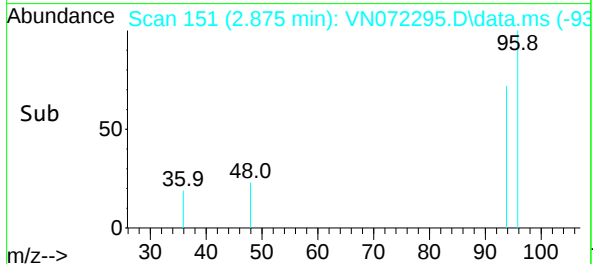
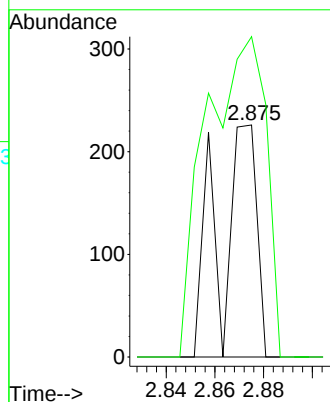
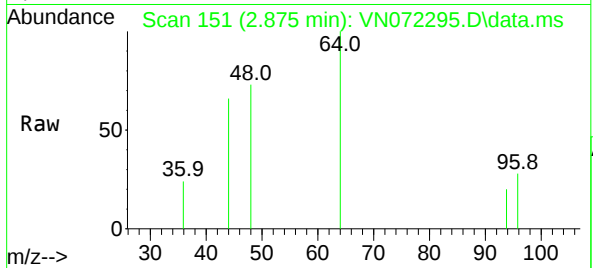




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

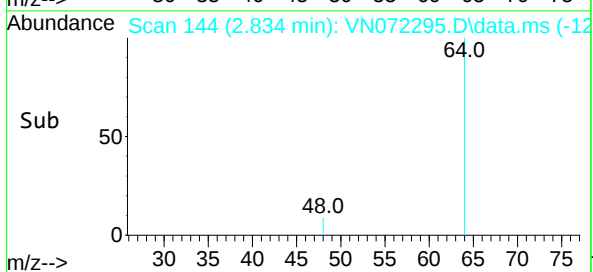
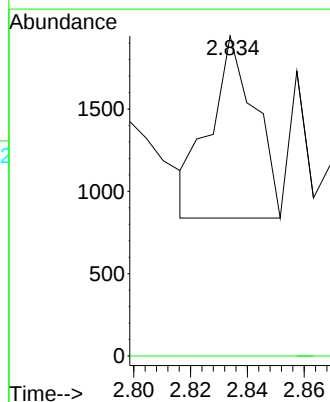
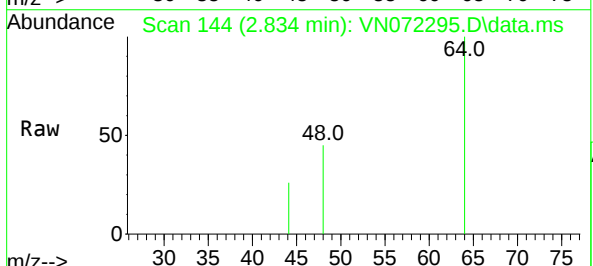
Instrument :
MSVOA_N
ClientSampleId :

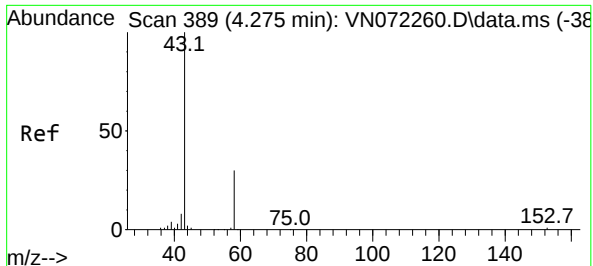
Tgt Ion: 94 Resp: 236
Ion Ratio Lower Upper
94 100
96 138.1 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.834 min Scan# 144
Delta R.T. -0.171 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 64 Resp: 1210
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

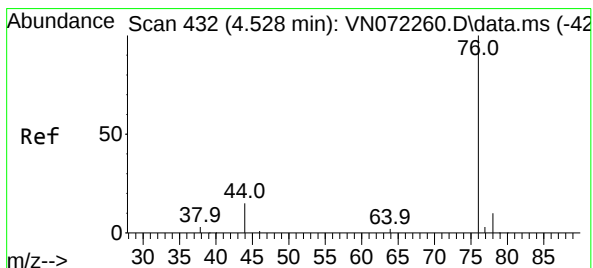
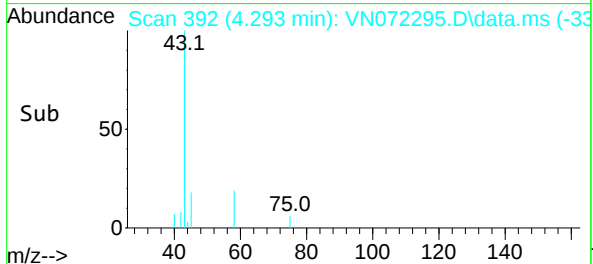
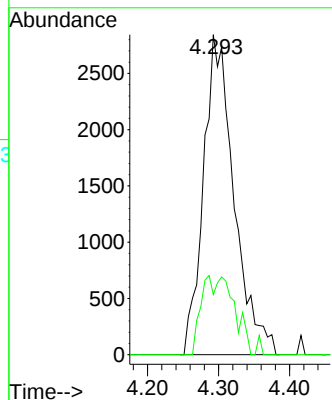
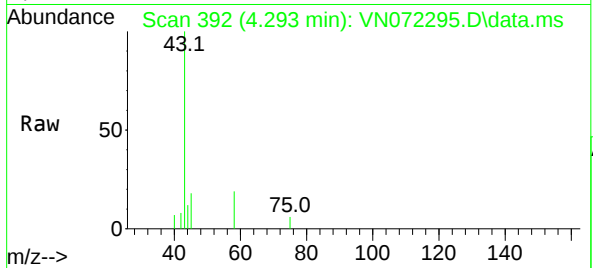




#16
Acetone
Concen: 6.761 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

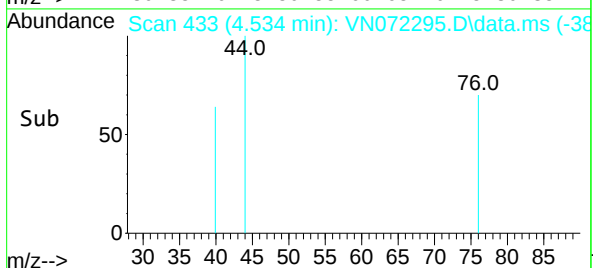
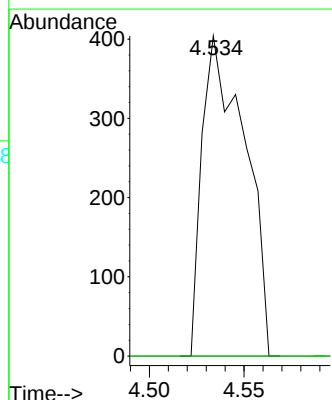
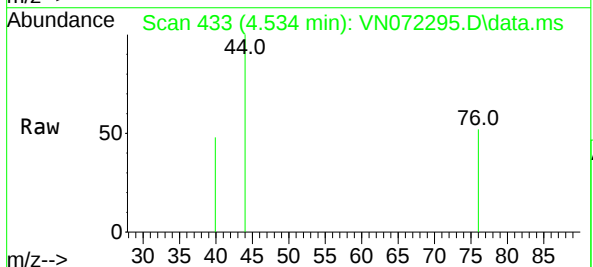
Instrument :
MSVOA_N
ClientSampleId :

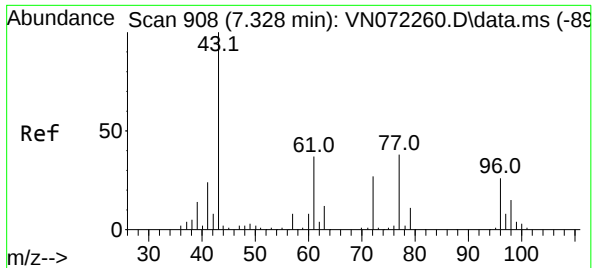
Tgt Ion: 43 Resp: 8494
Ion Ratio Lower Upper
43 100
58 18.8 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.511 ug/l
RT: 4.534 min Scan# 433
Delta R.T. -0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

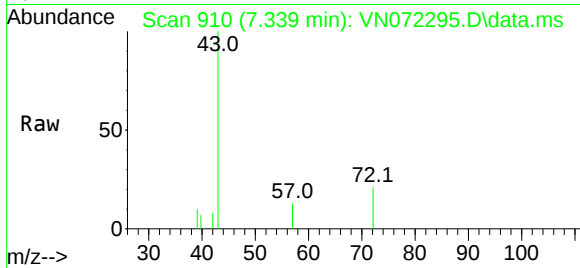
Tgt Ion: 76 Resp: 634
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



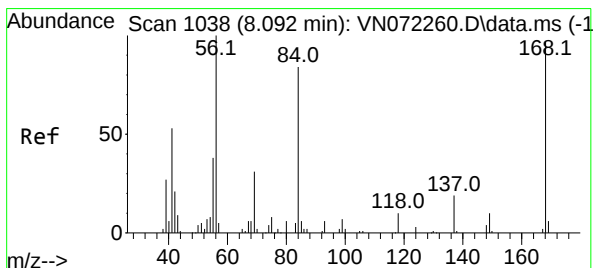
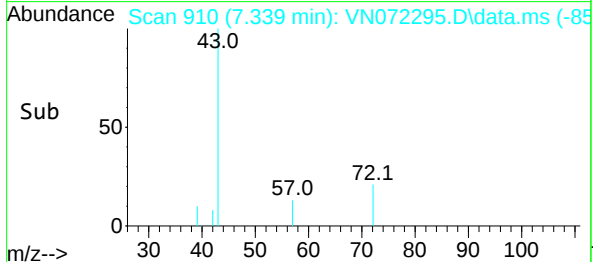
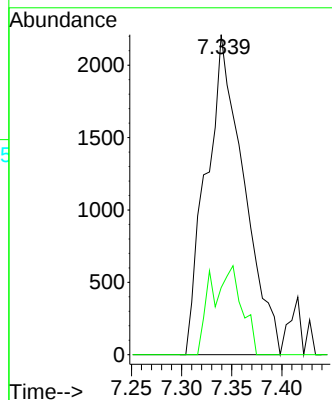


#25
2-Butanone
Concen: 2.870 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :

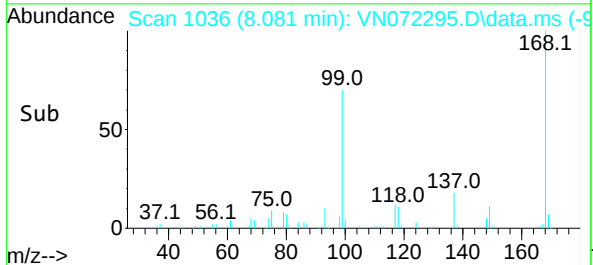
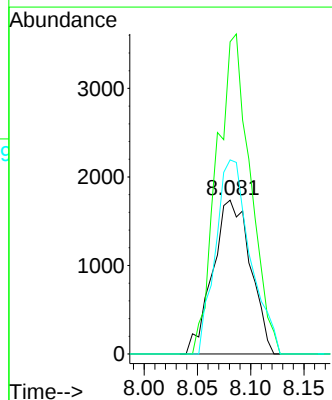
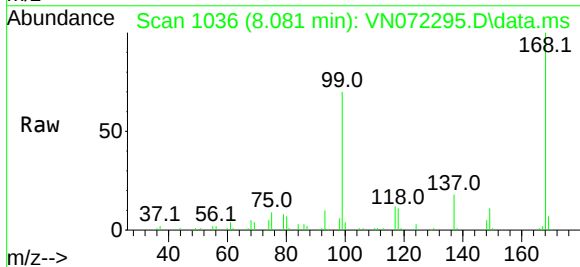


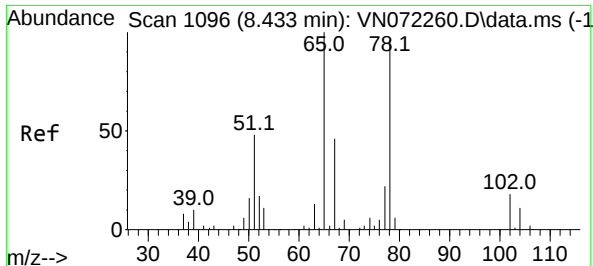
Tgt Ion: 43 Resp: 5742
Ion Ratio Lower Upper
43 100
72 20.9 23.7 35.5#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 203.0 27.8 41.8#
84 126.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.131 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072295.D

Acq: 02 May 2022 14:47

Instrument :

MSVOA_N

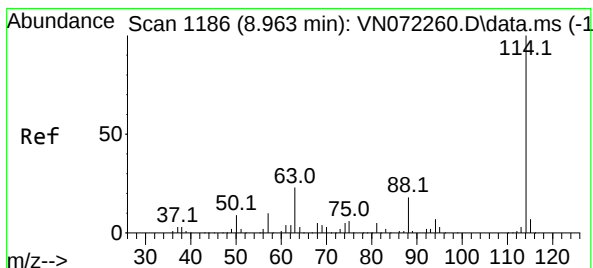
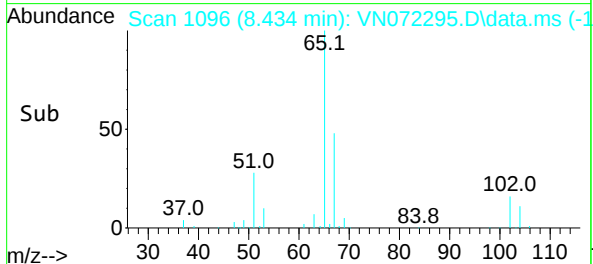
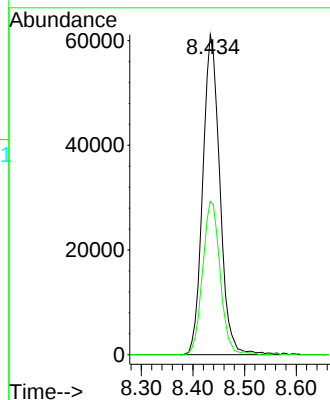
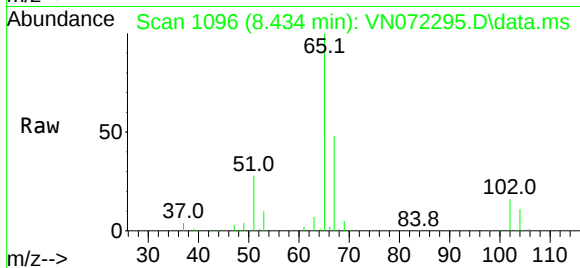
ClientSampleId :

Tgt Ion: 65 Resp: 140253

Ion Ratio Lower Upper

65 100

67 49.1 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: VN072295.D

Acq: 02 May 2022 14:47

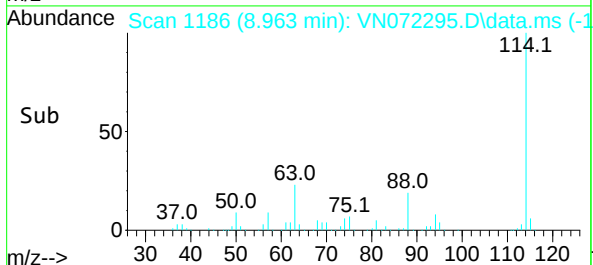
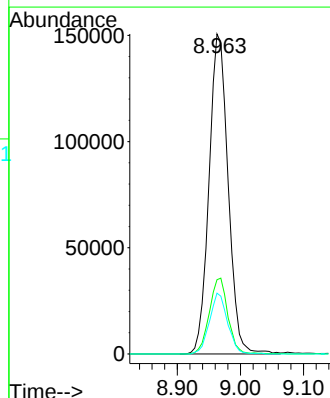
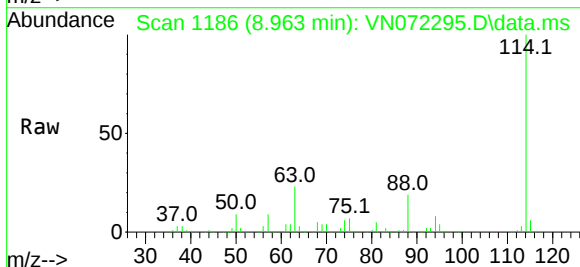
Tgt Ion: 114 Resp: 316896

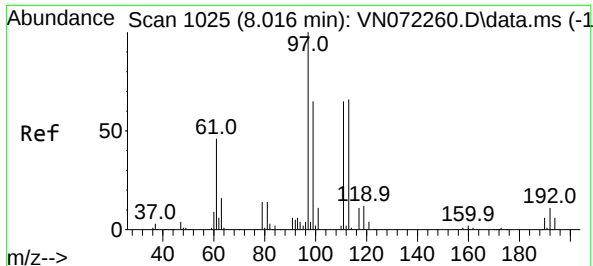
Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 19.0 0.0 32.6

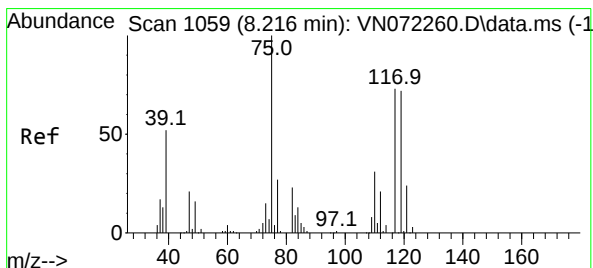
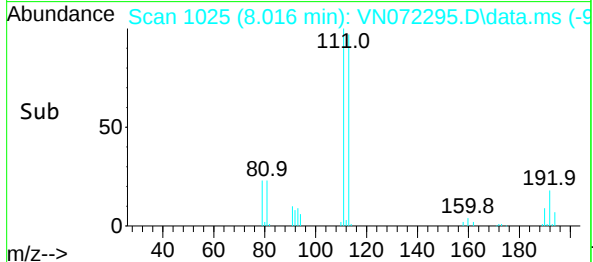
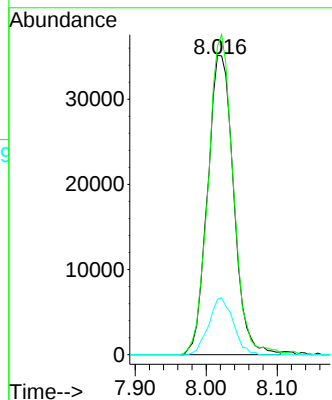
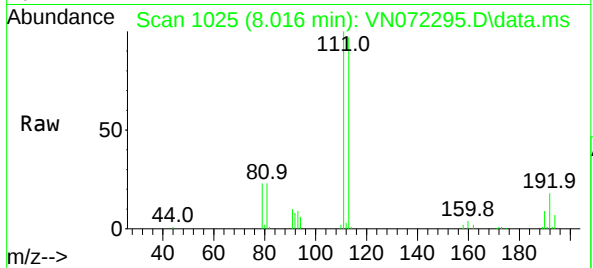




#35
Dibromofluoromethane
Concen: 44.153 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

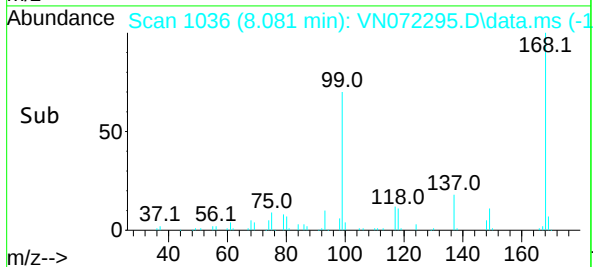
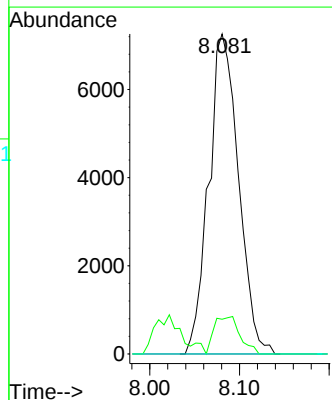
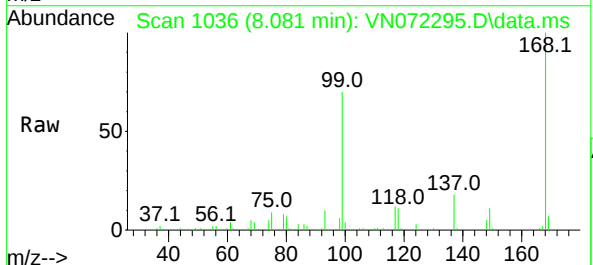
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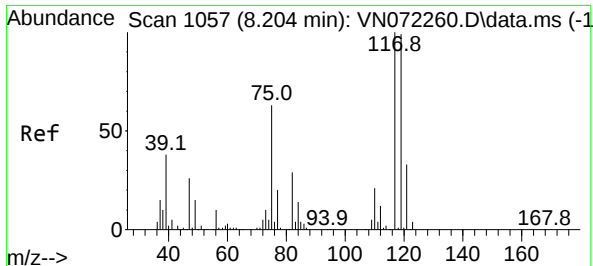
Tgt Ion:113 Resp: 89557
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 17.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.666 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

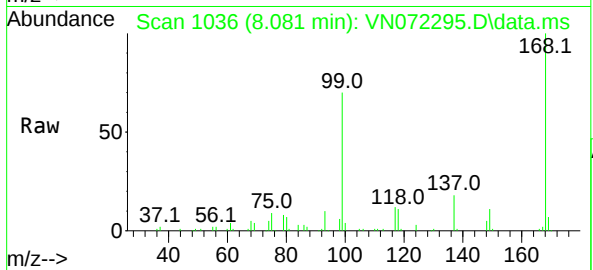
Tgt Ion: 75 Resp: 16729
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 25.1 37.7#



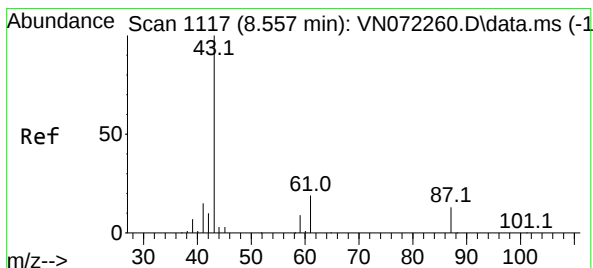
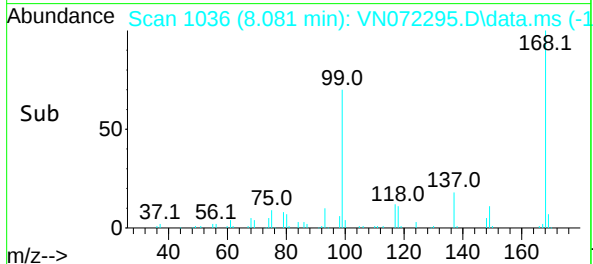
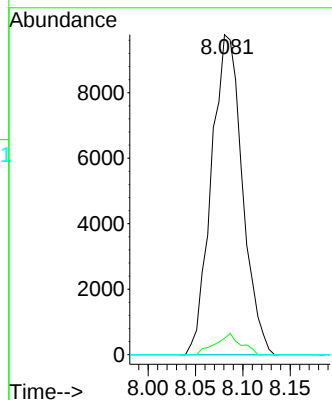


#38
Carbon Tetrachloride
Concen: 7.023 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :

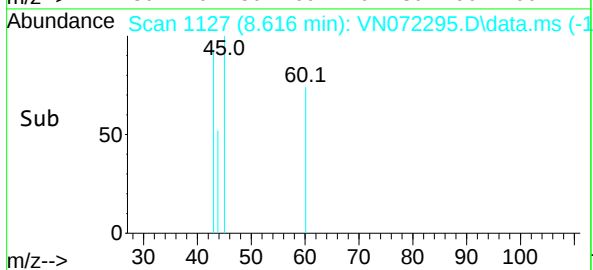
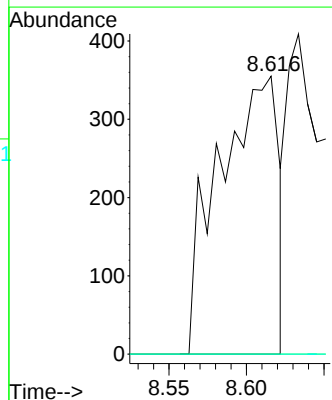
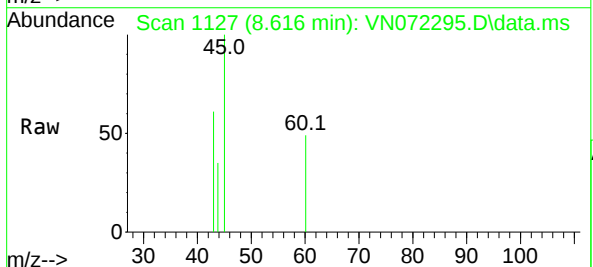


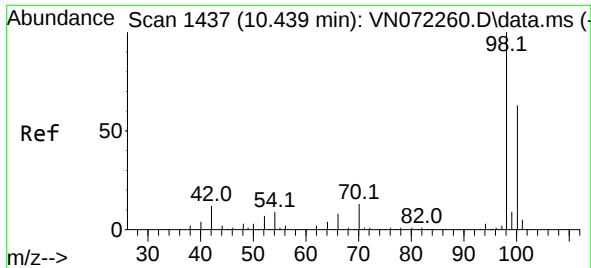
Tgt Ion:117 Resp: 22206
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.953 ug/l
RT: 8.616 min Scan# 1127
Delta R.T. 0.059 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

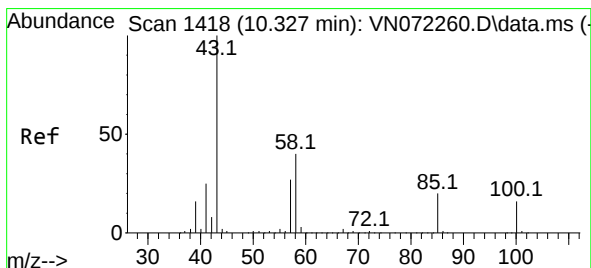
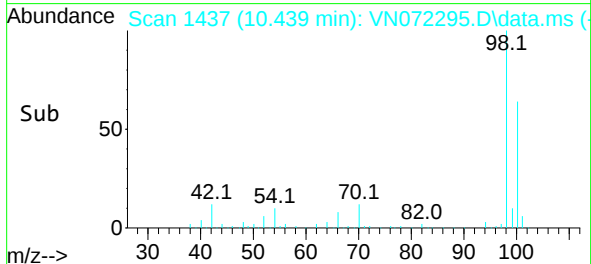
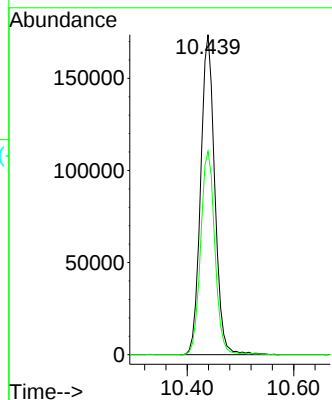
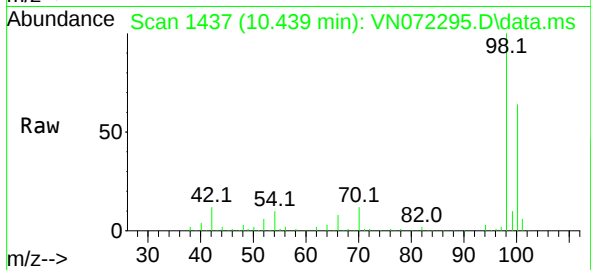




#50
Toluene-d8
Concen: 40.021 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

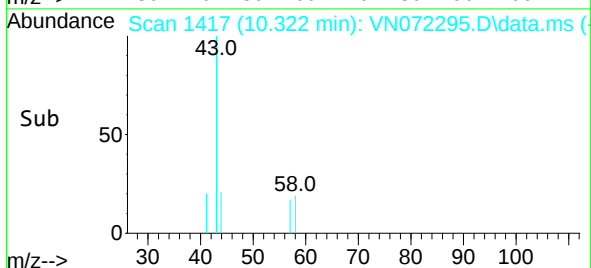
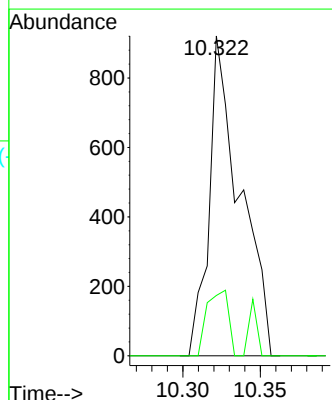
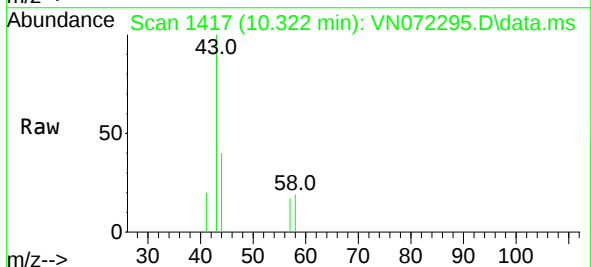
Instrument :
MSVOA_N
ClientSampleId :

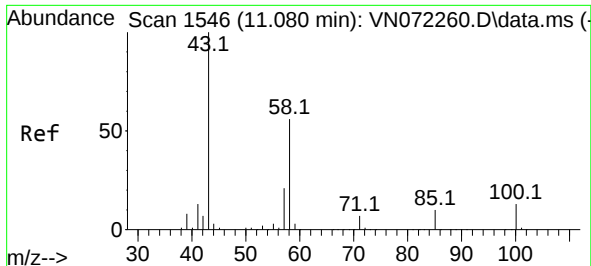
Tgt Ion: 98 Resp: 318973
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 43 Resp: 1274
Ion Ratio Lower Upper
43 100
58 14.3 34.1 51.1#

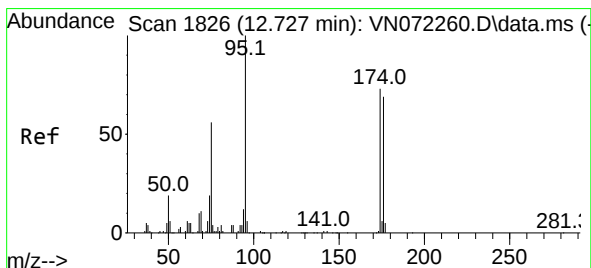
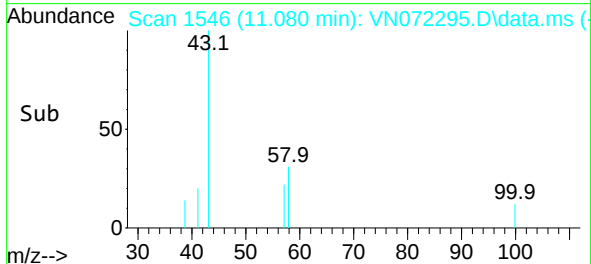
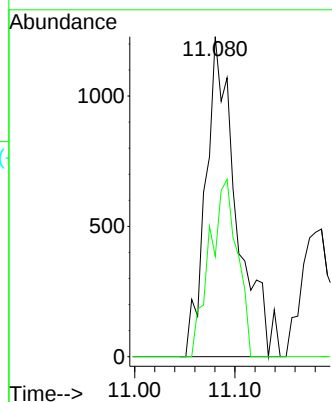
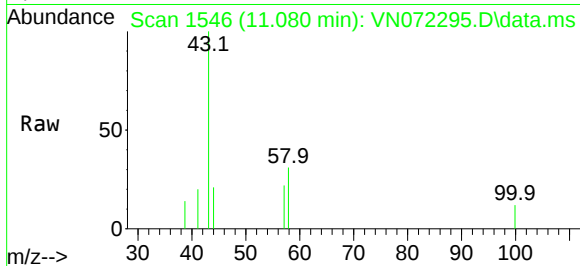




#59
2-Hexanone
Concen: 1.011 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

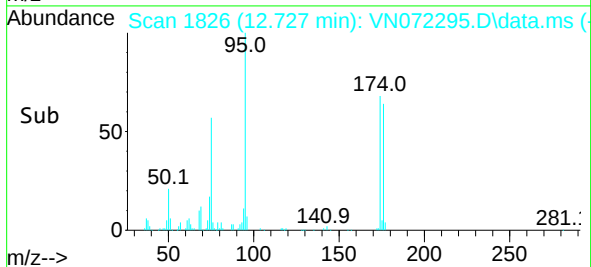
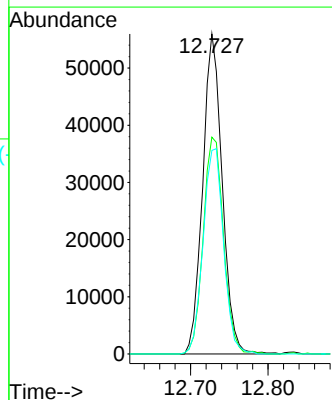
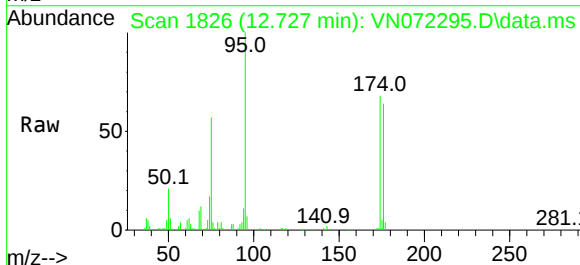
Instrument :
MSVOA_N
ClientSampleId :

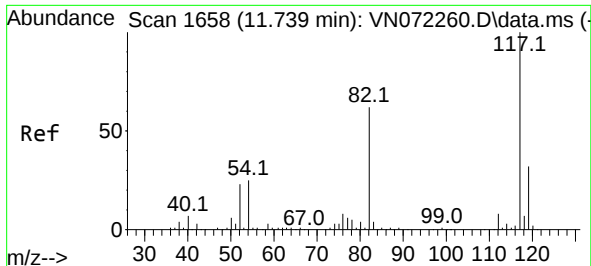
Tgt Ion: 43 Resp: 2636
Ion Ratio Lower Upper
43 100
58 49.3 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 36.984 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 95 Resp: 97838
Ion Ratio Lower Upper
95 100
174 70.6 0.0 167.6
176 67.2 0.0 163.4

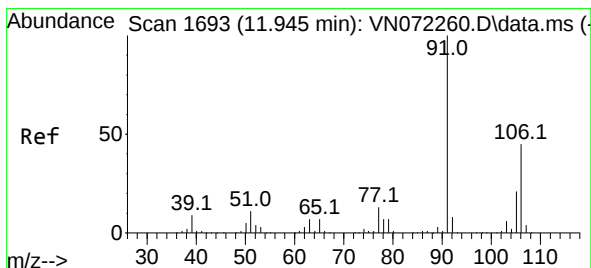
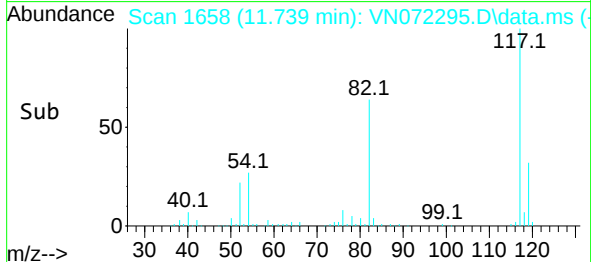
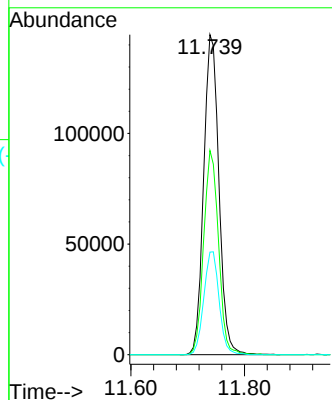
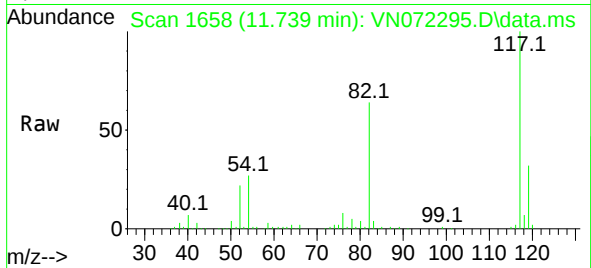




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

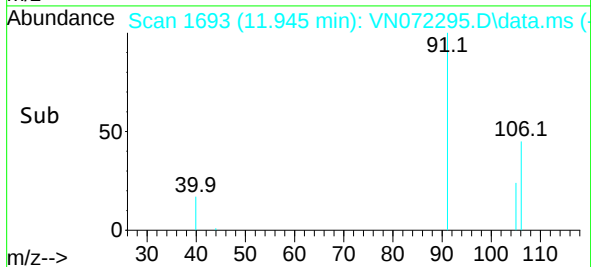
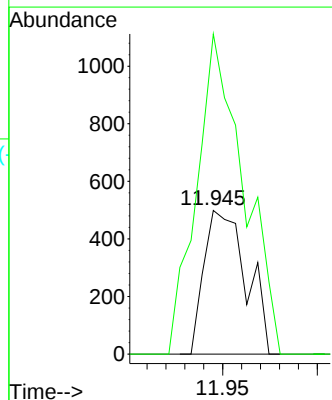
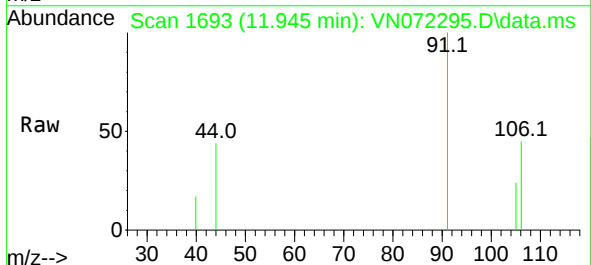
Instrument :
MSVOA_N
ClientSampleId :

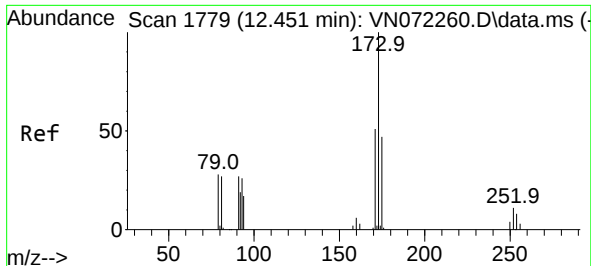
Tgt Ion:117 Resp: 268898
Ion Ratio Lower Upper
117 100
82 63.8 44.2 66.2
119 32.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion:106 Resp: 772
Ion Ratio Lower Upper
106 100
91 249.6 158.9 238.3#

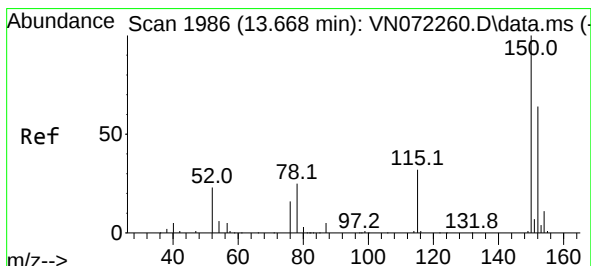
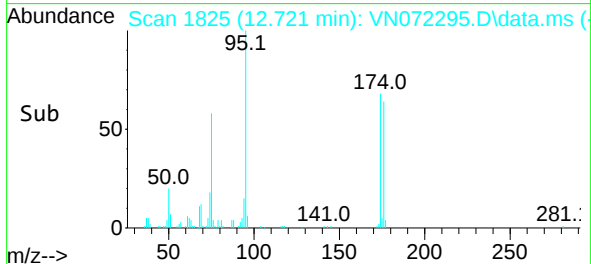
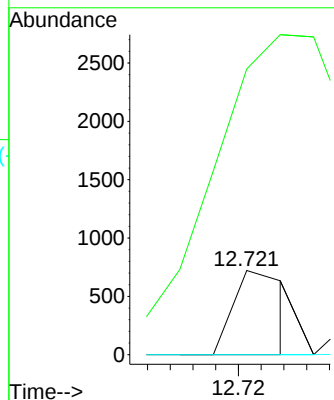
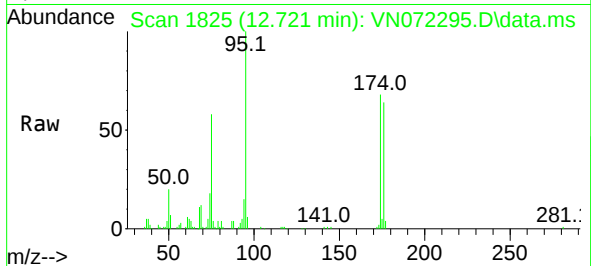




#71
Bromoform
Concen: 0.314 ug/l
RT: 12.721 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

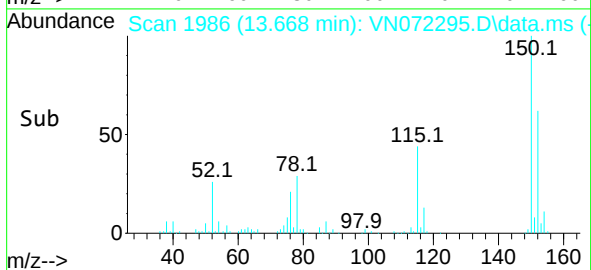
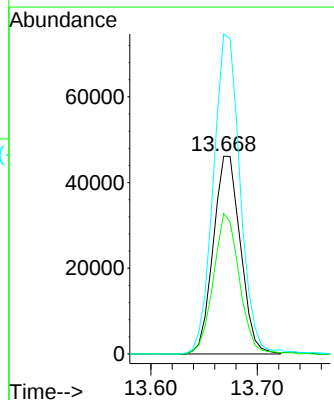
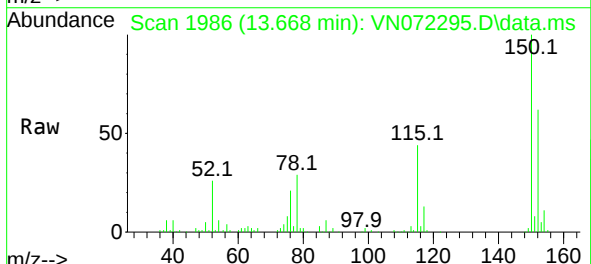
Instrument :
MSVOA_N
ClientSampleId :

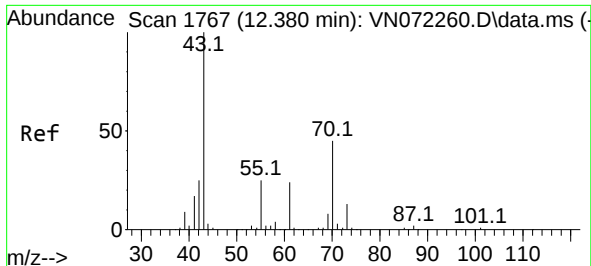
Tgt Ion:173 Resp: 478
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

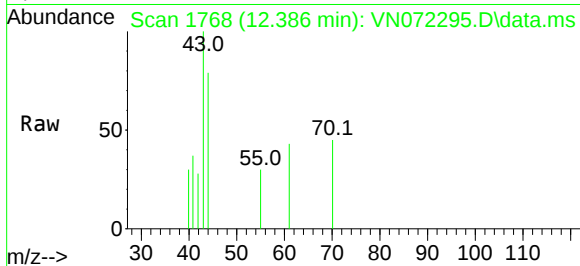
Tgt Ion:152 Resp: 81575
Ion Ratio Lower Upper
152 100
115 68.2 28.9 86.7
150 160.3 0.0 356.2



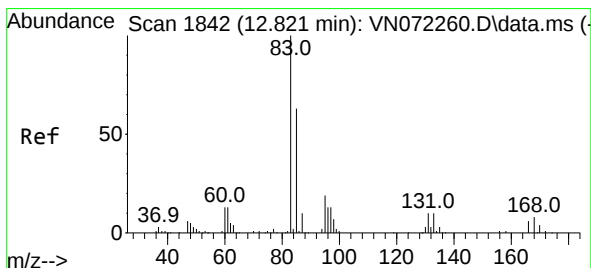
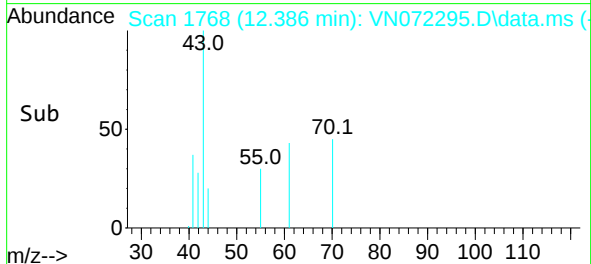
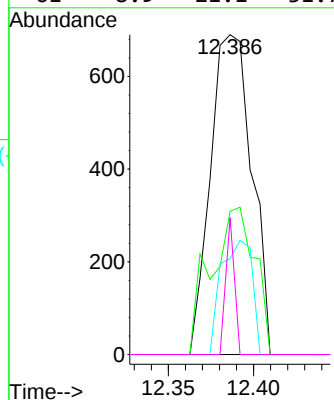


#74
N-amy1 acetate
Concen: 0.431 ug/l
RT: 12.386 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :

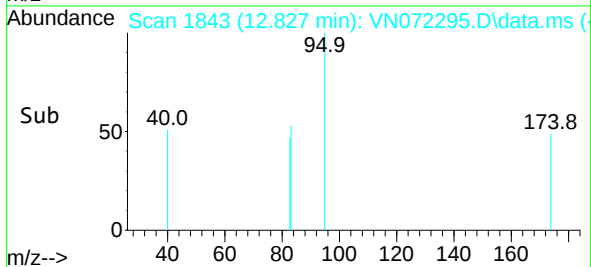
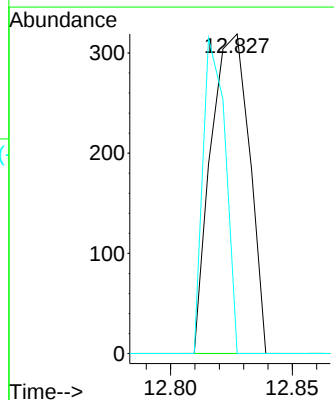
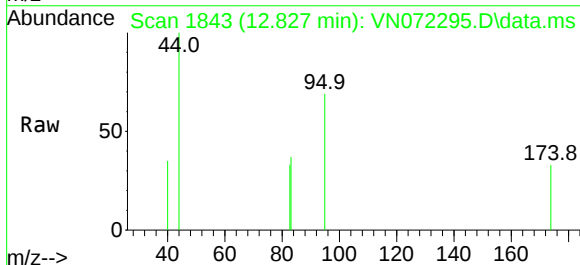


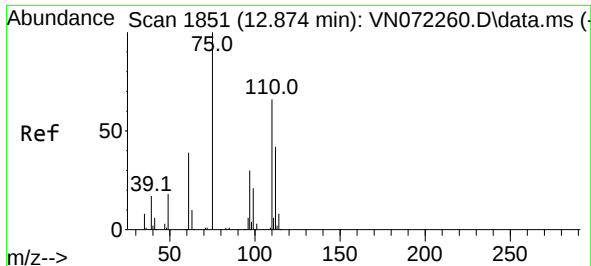
Tgt Ion:	43	Resp:	1163
Ion	Ratio	Lower	Upper
43	100		
70	48.9	39.0	58.4
55	26.7	21.1	31.7
61	8.9	21.1	31.7



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1843
Delta R.T. 0.005 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion:	83	Resp:	352
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9
85	57.1	32.3	96.9

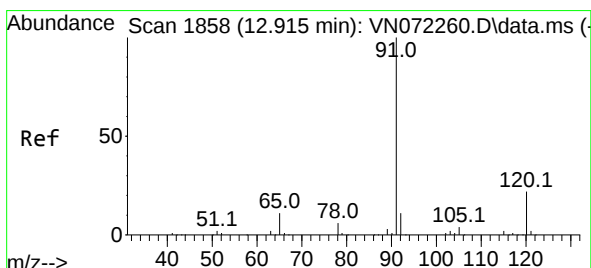
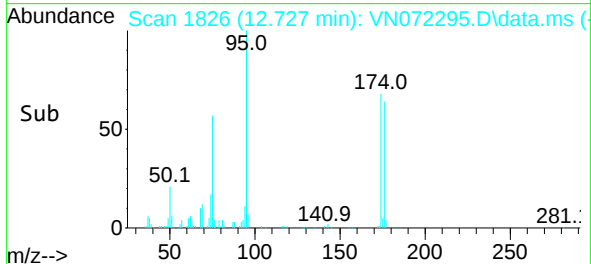
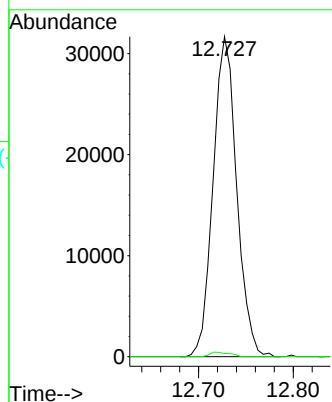
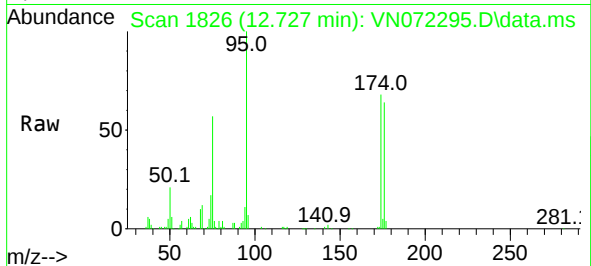




#76
1,2,3-Trichloropropane
Concen: 29.936 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

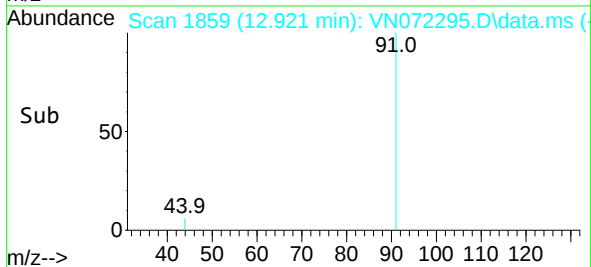
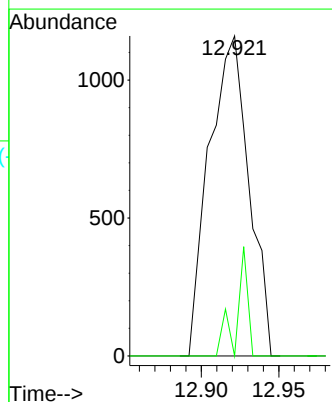
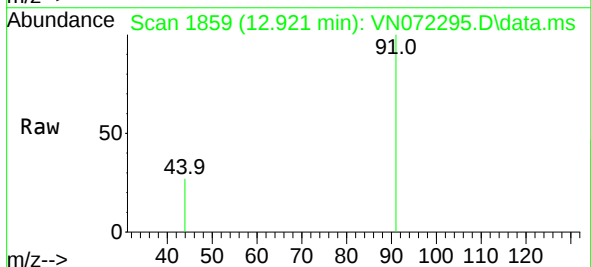
Instrument :
MSVOA_N
ClientSampleId :

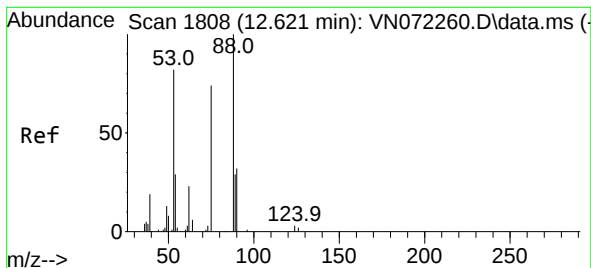
Tgt Ion: 75 Resp: 54847
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#78
n-propylbenzene
Concen: 0.261 ug/l
RT: 12.921 min Scan# 1859
Delta R.T. 0.005 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 91 Resp: 2072
Ion Ratio Lower Upper
91 100
120 9.7 11.9 35.5#

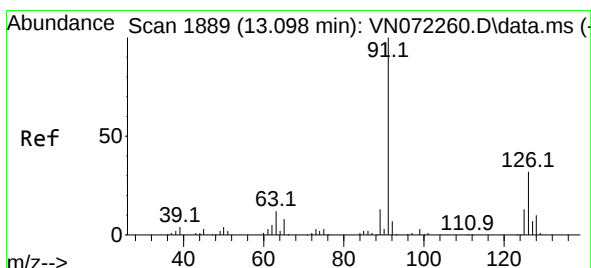
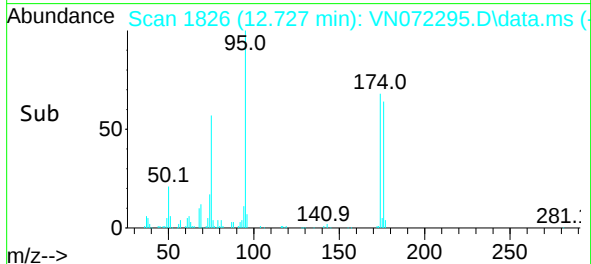
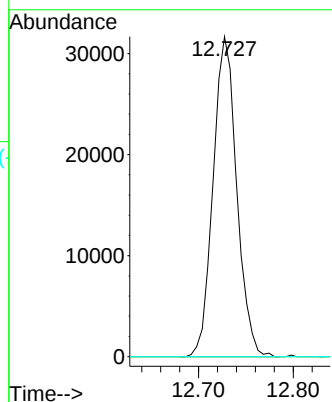
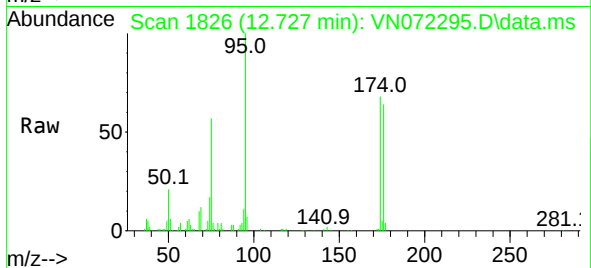




#81
trans-1,4-Dichloro-2-butene
Concen: 77.741 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

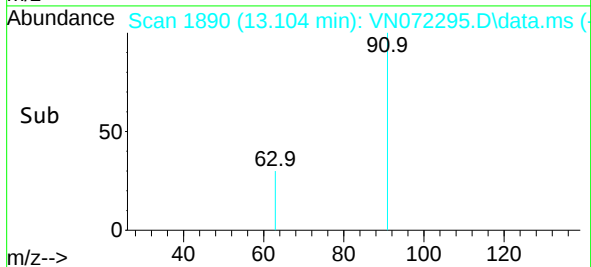
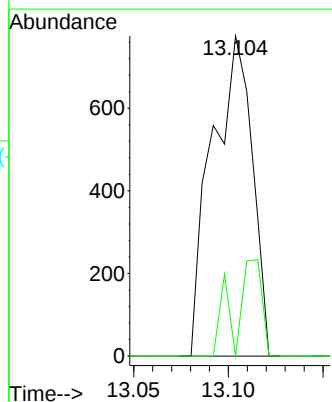
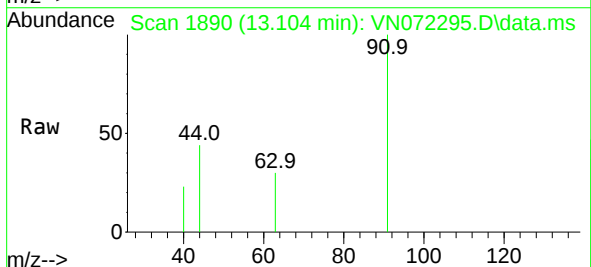
Instrument :
MSVOA_N
ClientSampleId :

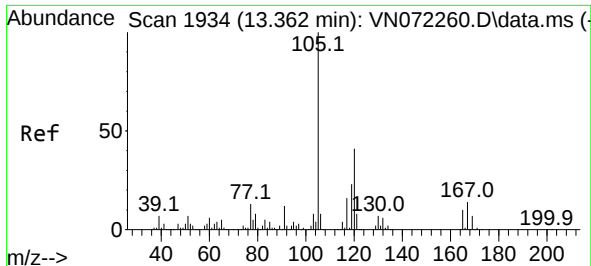
Tgt Ion: 75 Resp: 54847
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.236 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 91 Resp: 1144
Ion Ratio Lower Upper
91 100
126 20.5 17.2 51.6

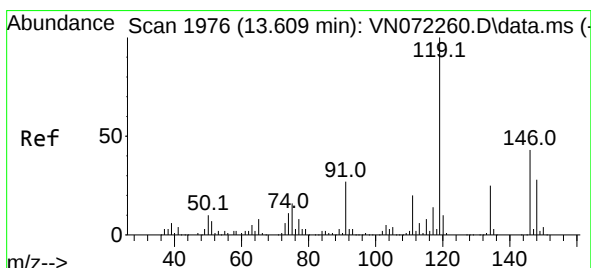
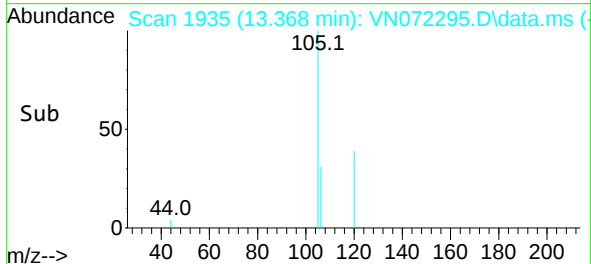
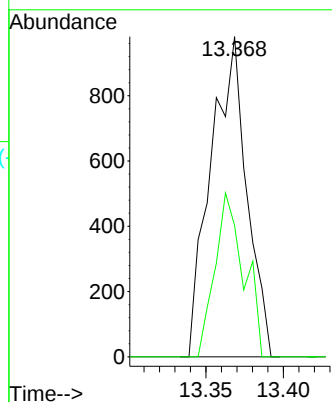
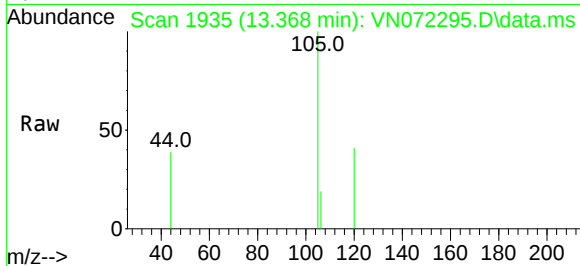




#84
1,2,4-Trimethylbenzene
Concen: 0.272 ug/l
RT: 13.368 min Scan# 1934
Delta R.T. 0.005 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

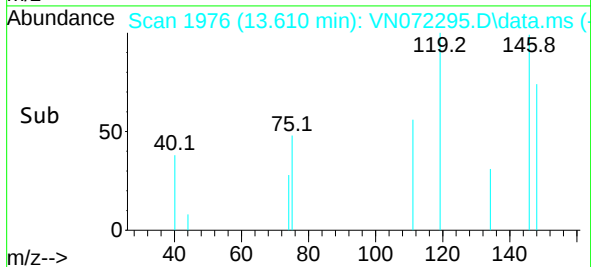
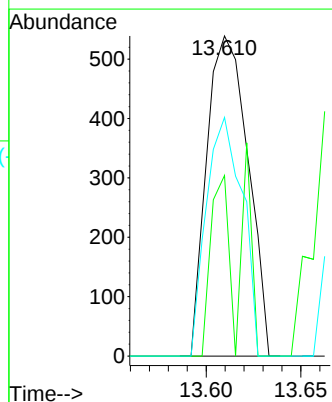
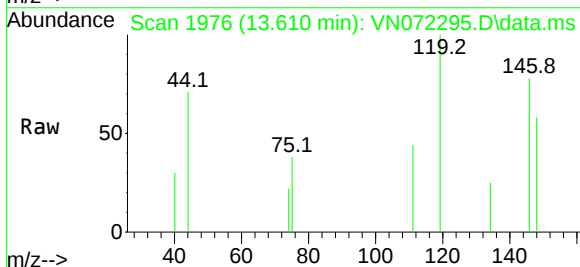
Instrument :
MSVOA_N
ClientSampleId :

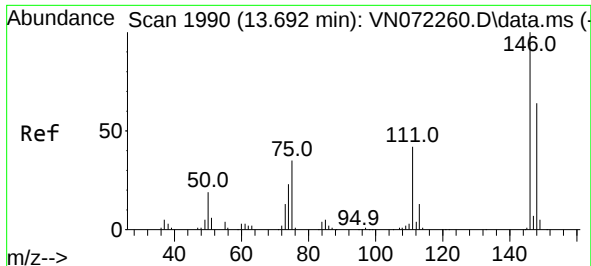
Tgt Ion:105 Resp: 1581
Ion Ratio Lower Upper
105 100
120 41.1 23.3 69.8



#87
1,3-Dichlorobenzene
Concen: 0.295 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

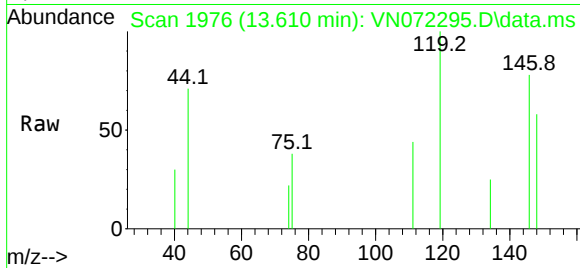
Tgt Ion:146 Resp: 814
Ion Ratio Lower Upper
146 100
111 24.6 20.0 60.0
148 65.5 32.0 96.0



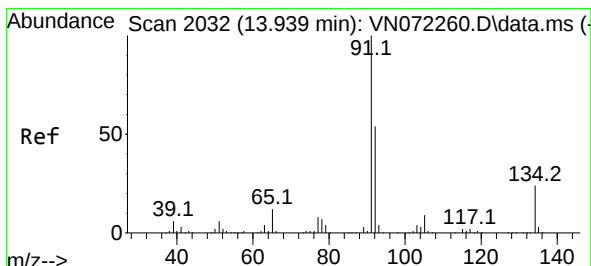
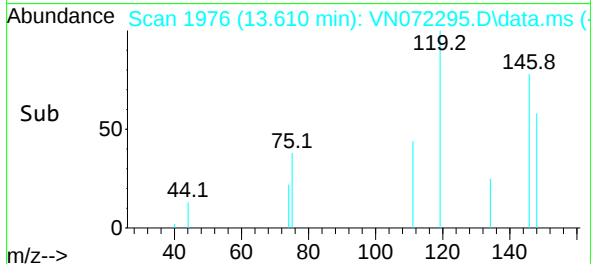
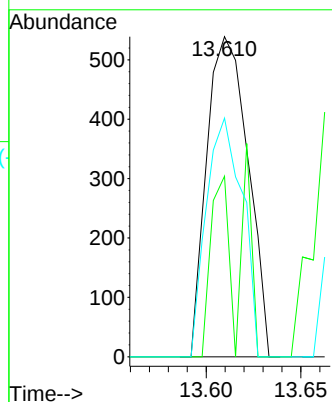


#88
1,4-Dichlorobenzene
Concen: 0.304 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.082 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :

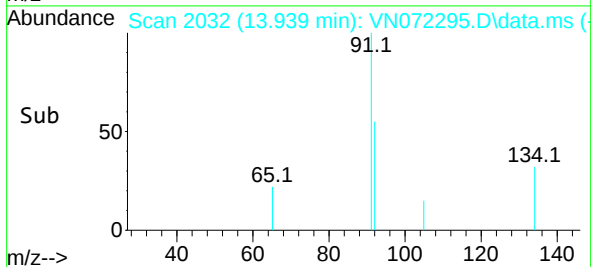
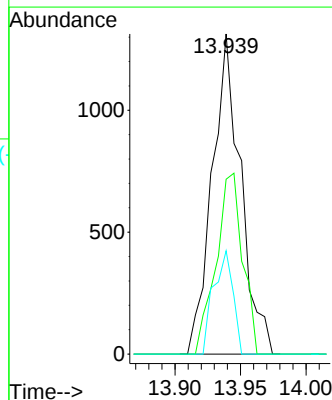
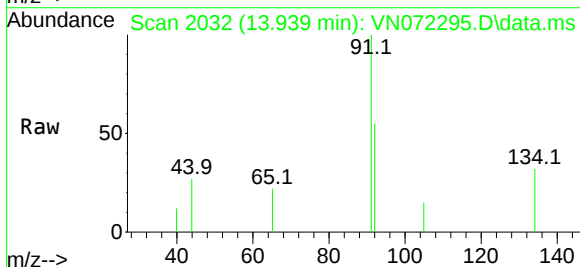


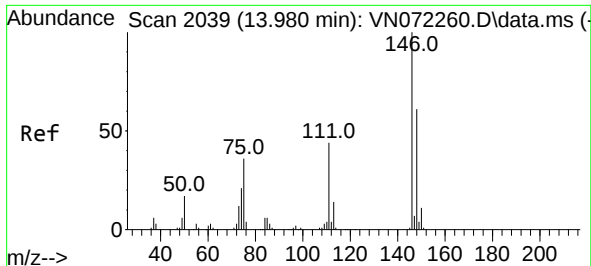
Tgt Ion:146 Resp: 814
Ion Ratio Lower Upper
146 100
111 24.6 19.1 57.1
148 65.5 31.4 94.3



#89
n-Butylbenzene
Concen: 0.485 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Tgt Ion: 91 Resp: 1990
Ion Ratio Lower Upper
91 100
92 52.5 26.9 80.7
134 21.8 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.343 ug/l

RT: 13.992 min Scan# 2041

Delta R.T. 0.006 min

Lab File: VN072295.D

Acq: 02 May 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

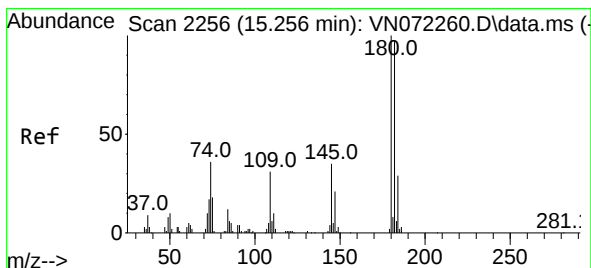
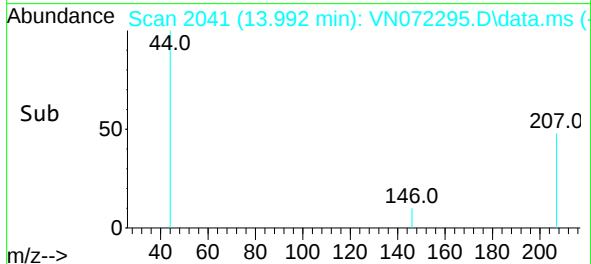
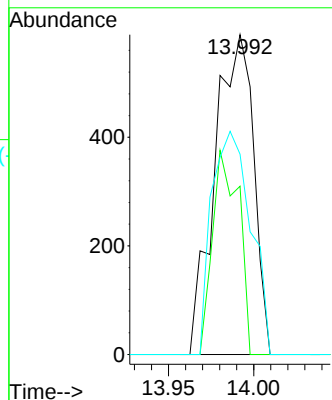
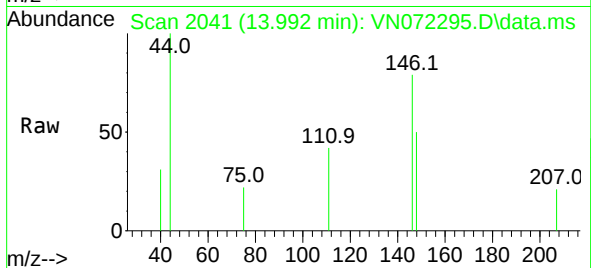
Tgt Ion:146 Resp: 931

Ion Ratio Lower Upper

146 100

111 43.5 20.9 62.8

148 70.5 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 3.577 ug/l

RT: 15.262 min Scan# 2257

Delta R.T. 0.005 min

Lab File: VN072295.D

Acq: 02 May 2022 14:47

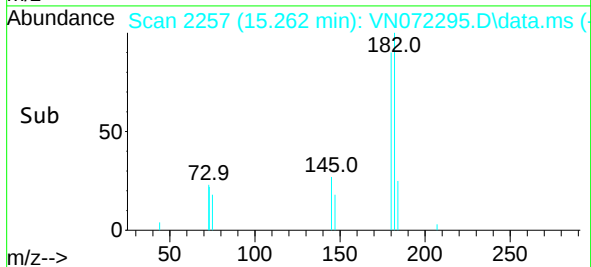
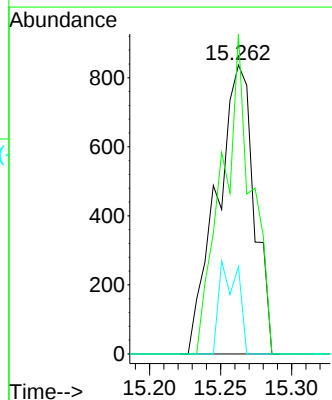
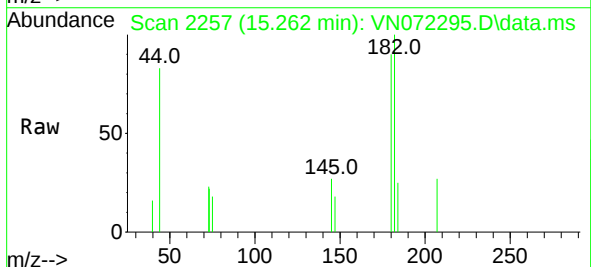
Tgt Ion:180 Resp: 1528

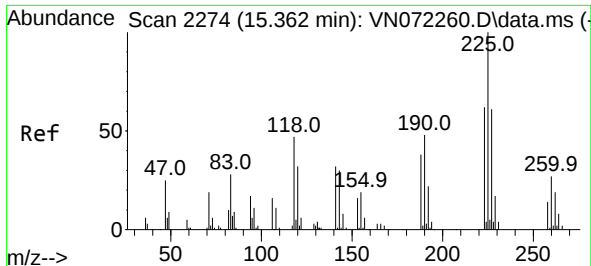
Ion Ratio Lower Upper

180 100

182 88.1 47.5 142.5

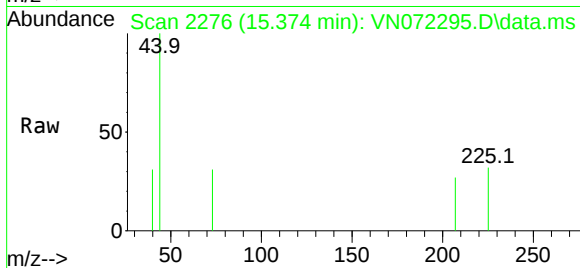
145 16.0 14.5 43.5



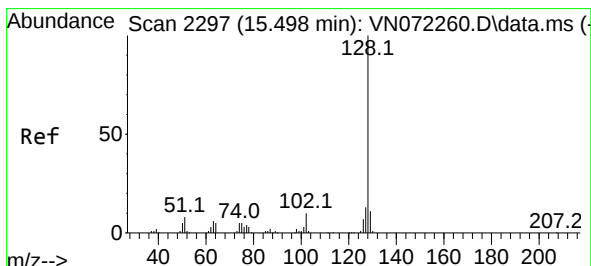
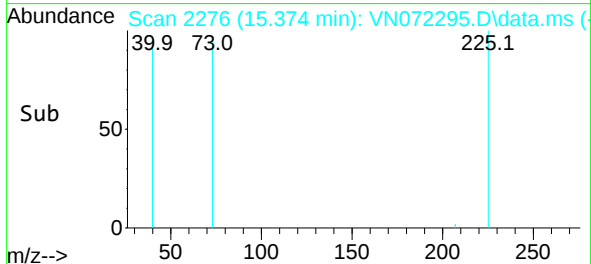
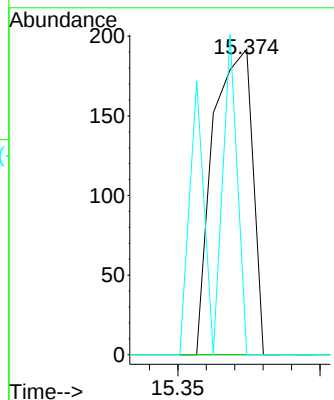


#94
Hexachlorobutadiene
Concen: 0.254 ug/l
RT: 15.374 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :

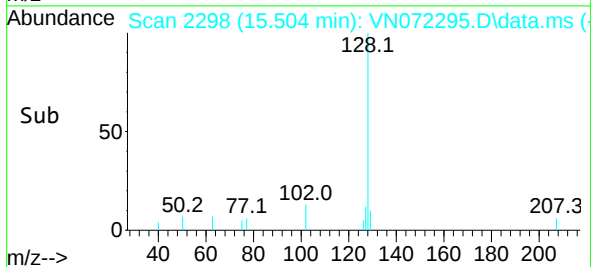
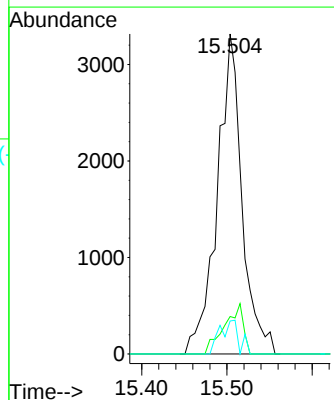
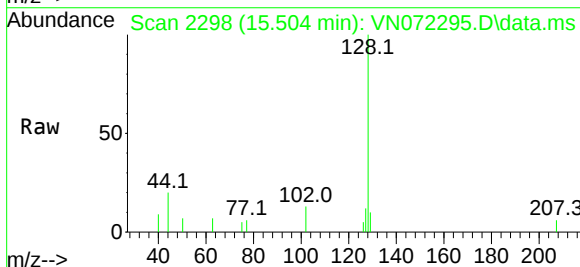


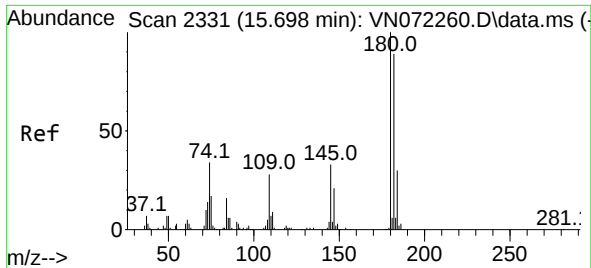
Tgt Ion:225 Resp: 185
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 33.0 31.8 95.4



#95
Naphthalene
Concen: 5.751 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072295.D
Acq: 02 May 2022 14:47

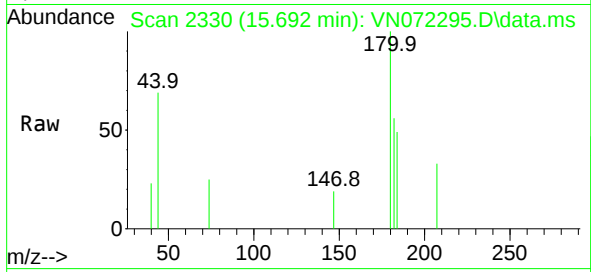
Tgt Ion:128 Resp: 6711
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 8.1 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.879 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072295.D
 Acq: 02 May 2022 14:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.5	47.8	143.3
145	7.9	15.5	46.5

