

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071464.D
 Acq On : 22 Mar 2022 13:43
 Operator : JC\MD
 Sample : PB143494ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 07:07:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

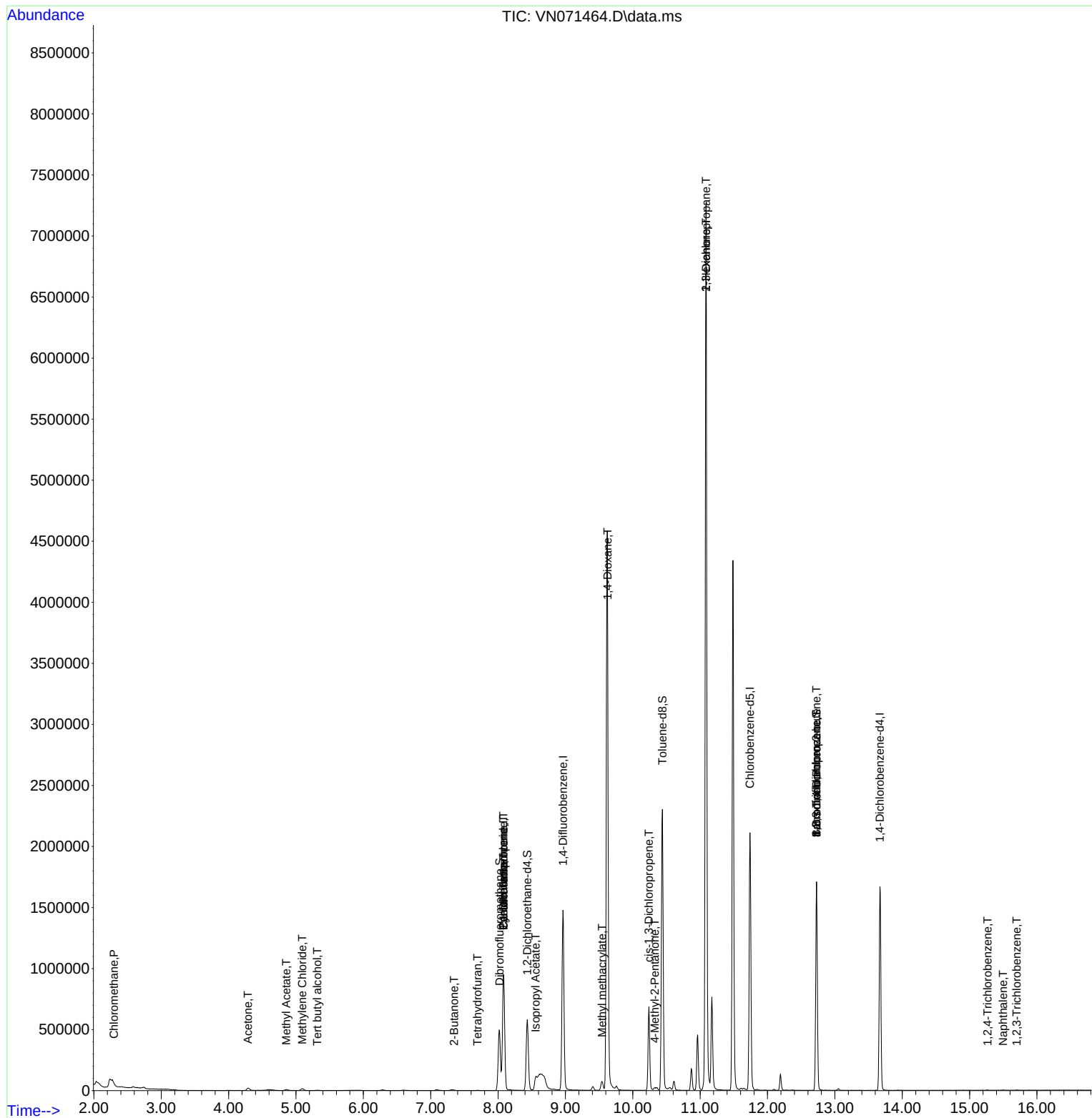
Internal Standards						
1) Pentafluorobenzene	8.081	168	729338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1263393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1217351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	455823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	484602	48.480	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.960%
35) Dibromofluoromethane	8.022	113	367862	46.142	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.280%
50) Toluene-d8	10.439	98	1591057	49.566	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.727	95	588748	54.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2837	0.230	ug/l	94
5) Bromomethane	2.869	94	1572	Below Cal	#	69
11) Tert butyl alcohol	5.316	59	2583	1.315	ug/l	# 71
16) Acetone	4.287	43	39263	8.073	ug/l	96
18) Methyl Acetate	4.857	43	19715	1.965	ug/l	# 87
20) Methylene Chloride	5.093	84	11833	1.703	ug/l	95
25) 2-Butanone	7.345	43	7747	0.989	ug/l	# 78
29) Tetrahydrofuran	7.692	42	1637	0.302	ug/l	# 57
31) Cyclohexane	8.081	56	15349	0.962	ug/l	# 1
36) 1,1-Dichloropropene	8.081	75	56543	4.427	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	74553	6.034	ug/l	# 17
43) Isopropyl Acetate	8.557	43	140174	5.332	ug/l	# 77
48) Methyl methacrylate	9.545	41	20445	1.678	ug/l	# 8
49) 1,4-Dioxane	9.628	88	781	3.688	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.328	43	14436	0.885	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	119937	7.749	ug/l	# 60
57) 1,3-Dichloropropane	11.086	76	75586	4.434	ug/l	# 43
59) 2-Hexanone	11.086	43	1168413	104.961	ug/l	# 49
71) Bromoform	12.727	173	3656	0.502	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.827	83	127	Below Cal	#	82
76) 1,2,3-Trichloropropane	12.727	75	303664	26.140	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	303664	72.015	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.268	180	942	3.108	ug/l	# 82
95) Naphthalene	15.498	128	2691	5.183	ug/l	# 81
96) 1,2,3-Trichlorobenzene	15.698	180	623	2.814	ug/l	# 66

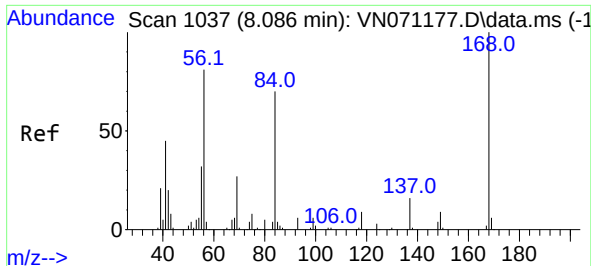
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

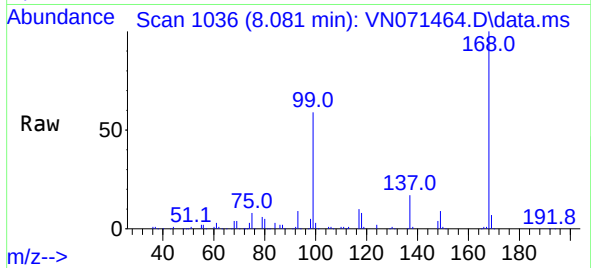
Quant Time: Mar 23 07:07:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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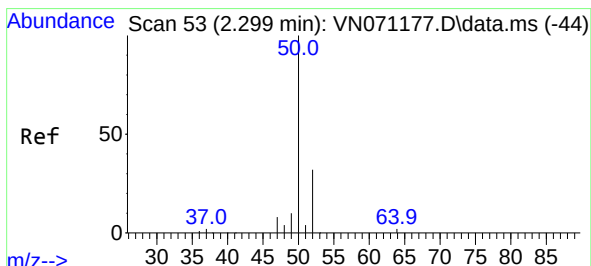
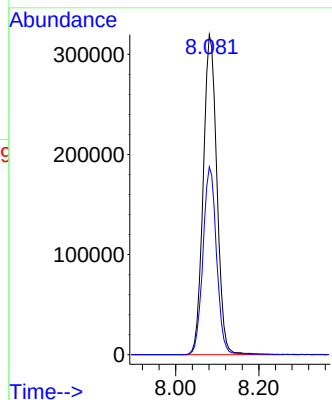
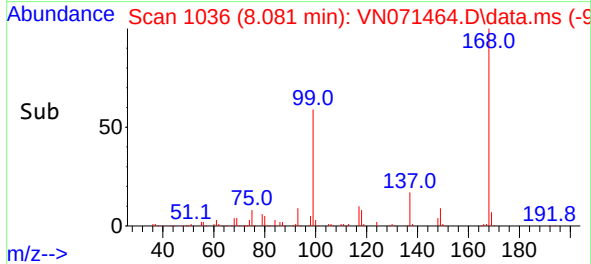


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

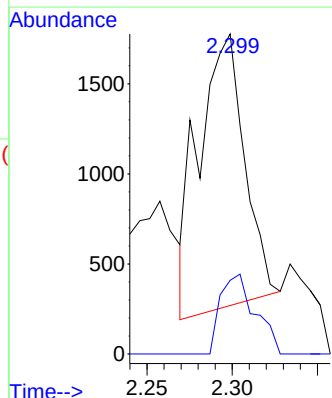
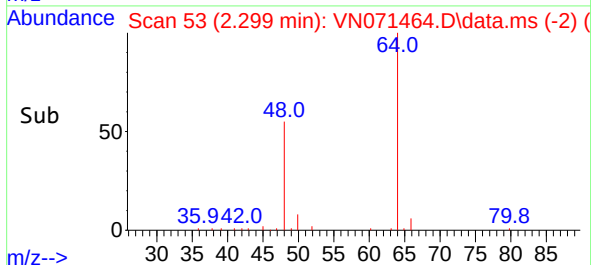
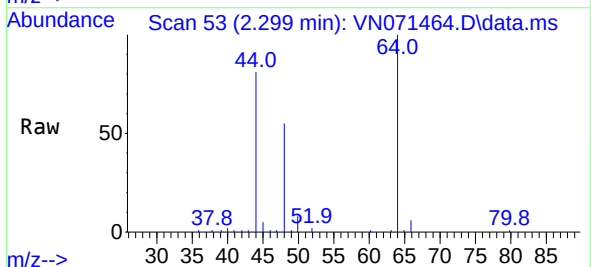


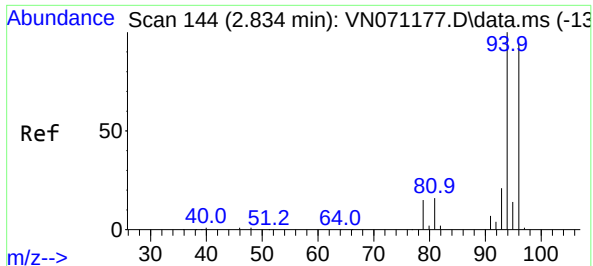
Tgt Ion:168 Resp: 729338
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9



#3
Chloromethane
Concen: 0.230 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 50 Resp: 2837
Ion Ratio Lower Upper
50 100
52 28.6 25.4 38.0

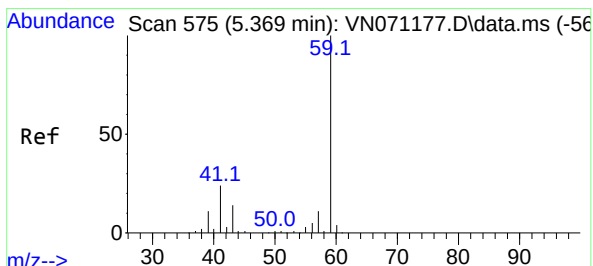
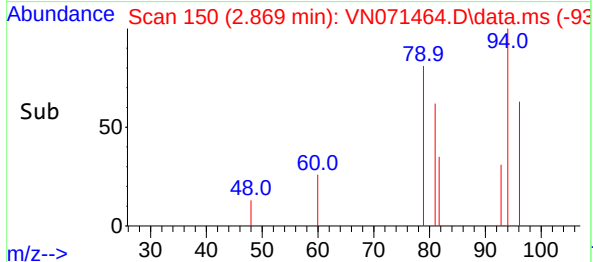
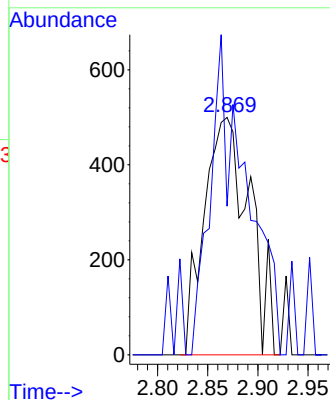
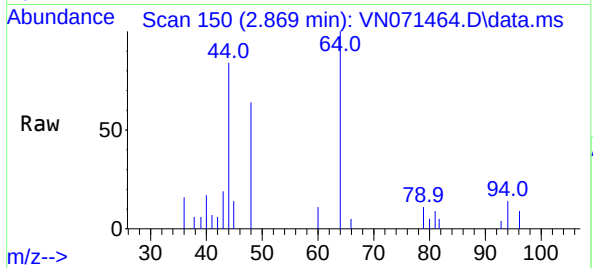




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

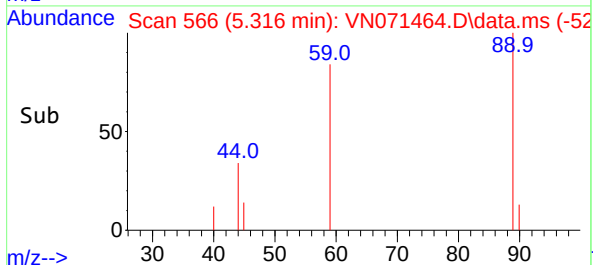
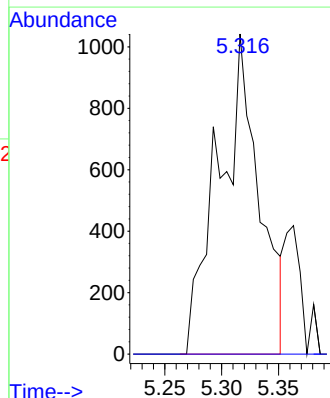
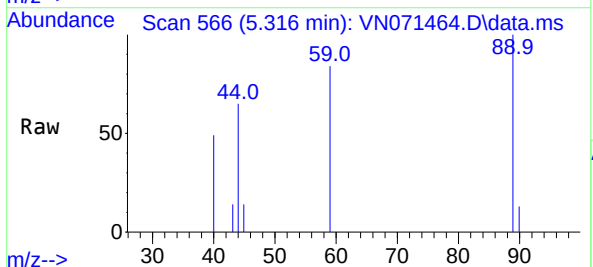
Instrument :
MSVOA_N
ClientSampleId :

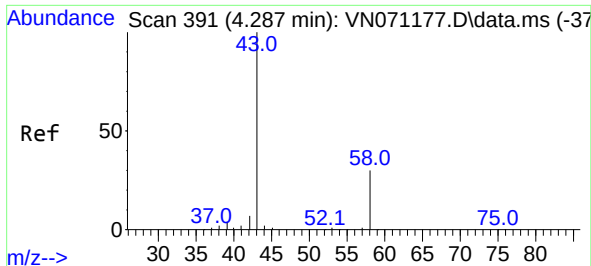
Tgt Ion: 94 Resp: 1572
Ion Ratio Lower Upper
94 100
96 62.6 73.8 110.8#



#11
Tert butyl alcohol
Concen: 1.315 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.053 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 59 Resp: 2583
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

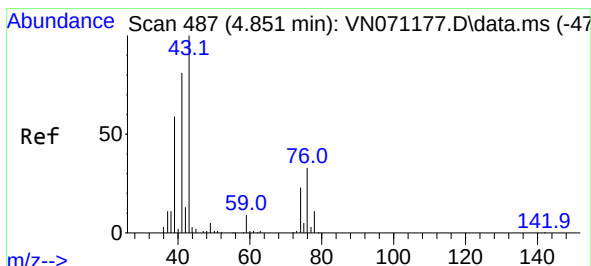
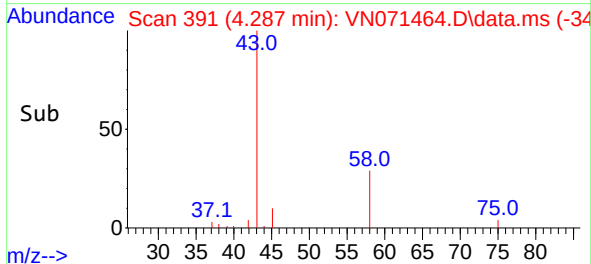
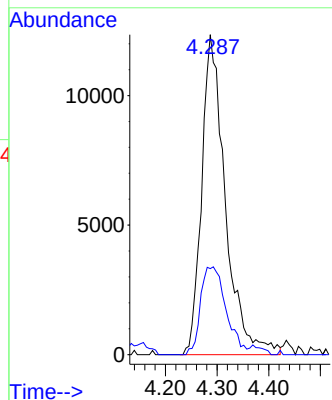
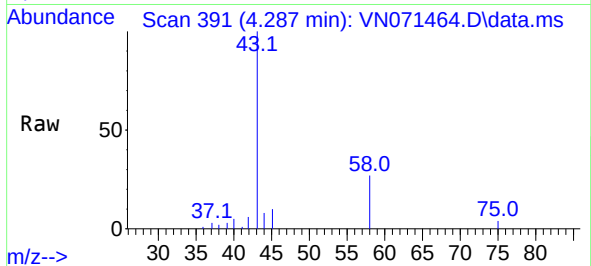




#16
Acetone
Concen: 8.073 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

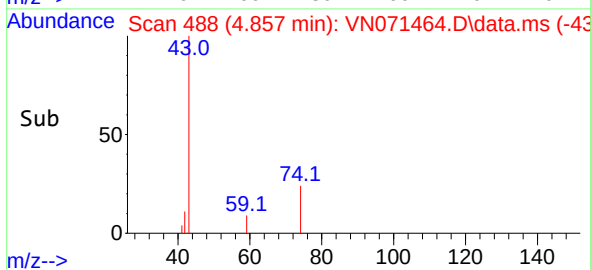
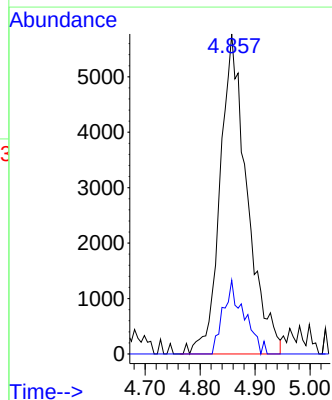
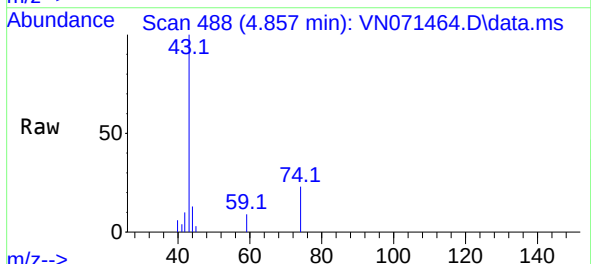
Instrument :
MSVOA_N
ClientSampleId :

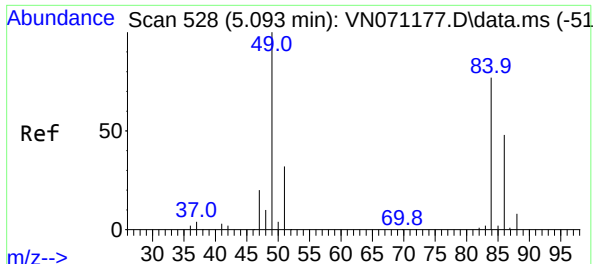
Tgt Ion: 43 Resp: 39263
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7



#18
Methyl Acetate
Concen: 1.965 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

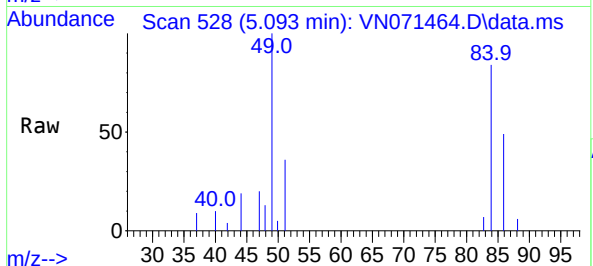
Tgt Ion: 43 Resp: 19715
Ion Ratio Lower Upper
43 100
74 17.7 19.4 29.2#





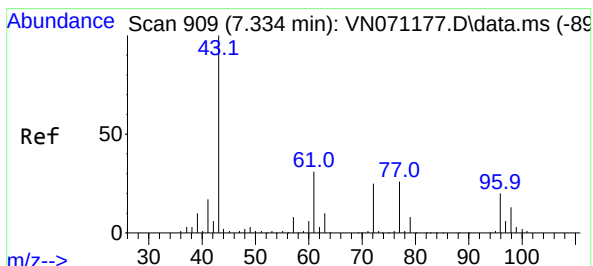
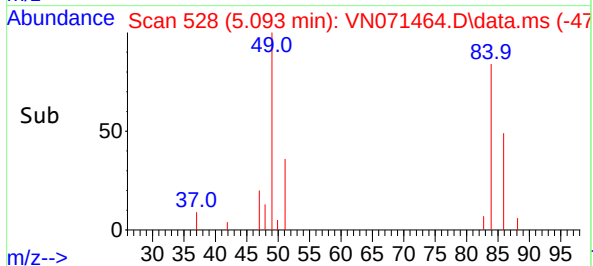
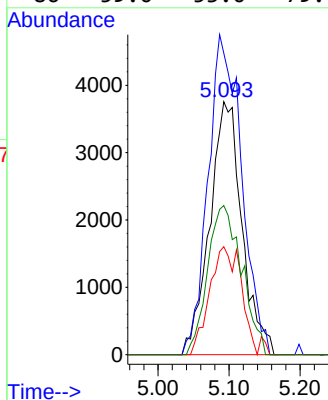
#20
Methylene Chloride
Concen: 1.703 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 11833

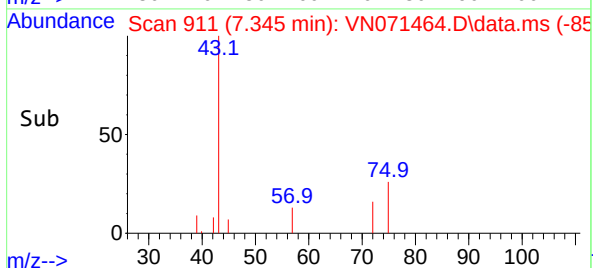
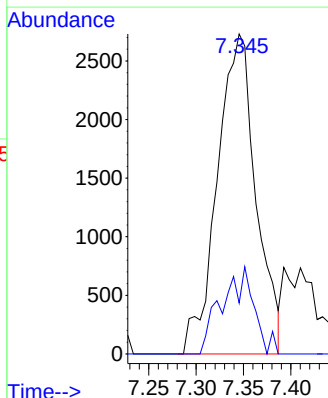
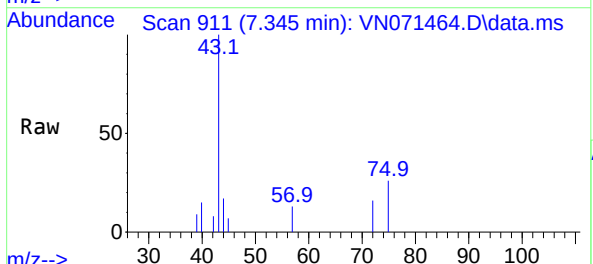
Ion	Ratio	Lower	Upper
84	100		
49	119.1	93.5	140.3
51	42.7	29.4	44.2
86	59.0	53.0	79.4

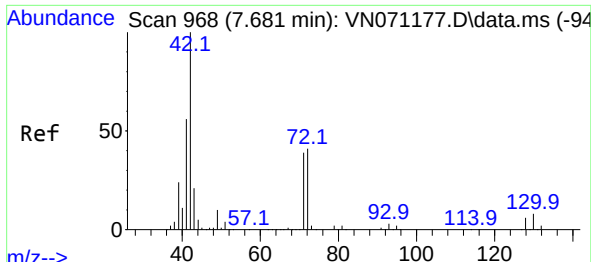


#25
2-Butanone
Concen: 0.989 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 43 Resp: 7747

Ion	Ratio	Lower	Upper
43	100		
72	15.9	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.012 min

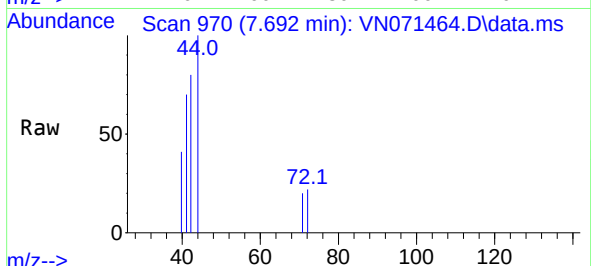
Lab File: VN071464.D

Acq: 22 Mar 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :



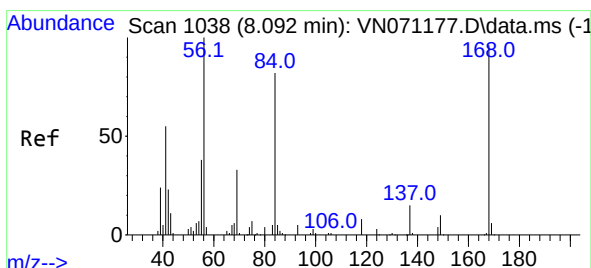
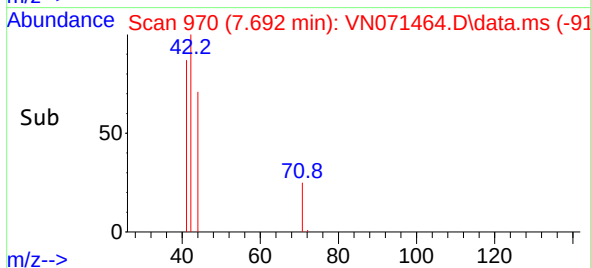
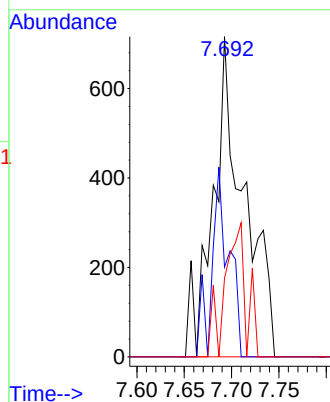
Tgt Ion: 42 Resp: 1637

Ion Ratio Lower Upper

42 100

72 32.6 36.3 54.5#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.962 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN071464.D

Acq: 22 Mar 2022 13:43

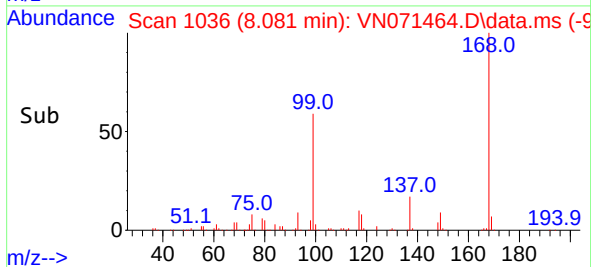
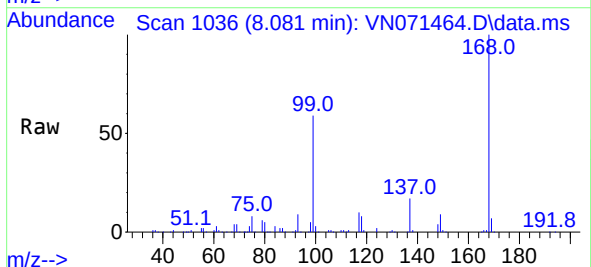
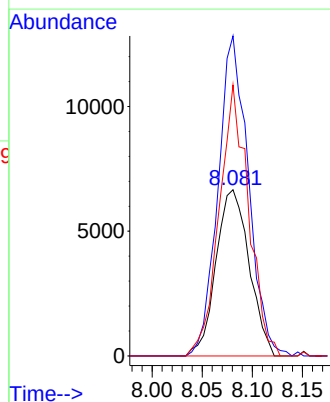
Tgt Ion: 56 Resp: 15349

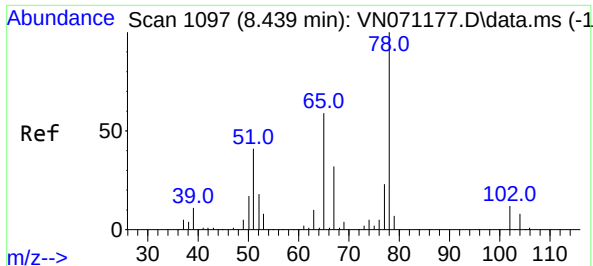
Ion Ratio Lower Upper

56 100

69 192.5 27.1 40.7#

84 163.1 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.480 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071464.D

Acq: 22 Mar 2022 13:43

Instrument :

MSVOA_N

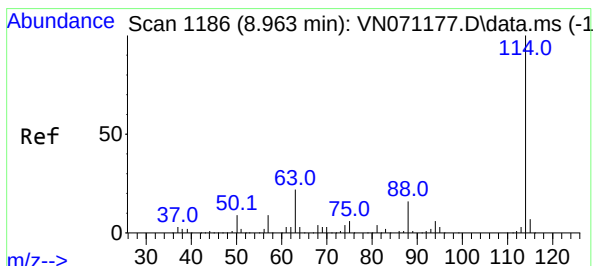
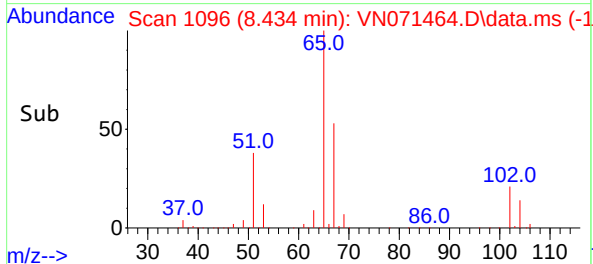
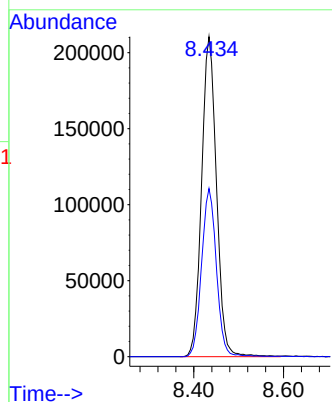
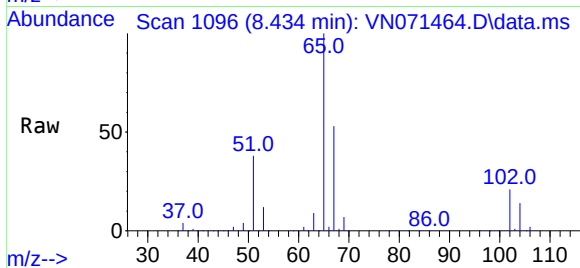
ClientSampleId :

Tgt Ion: 65 Resp: 484602

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071464.D

Acq: 22 Mar 2022 13:43

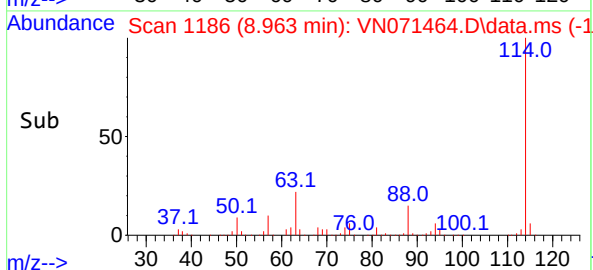
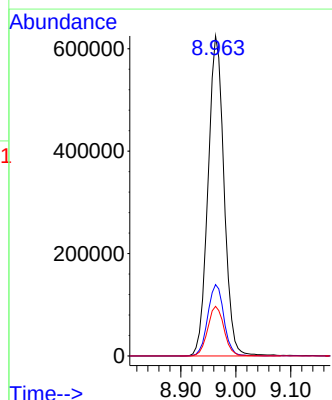
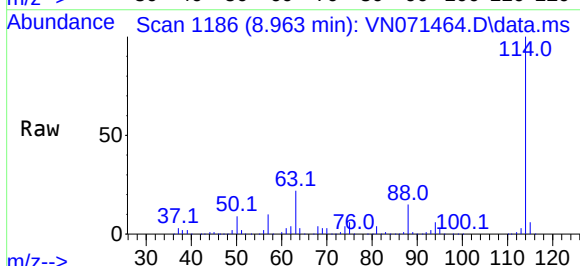
Tgt Ion: 114 Resp: 1263393

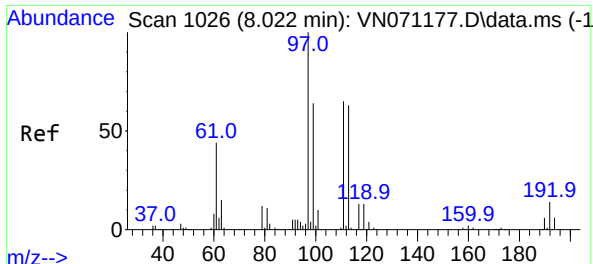
Ion Ratio Lower Upper

114 100

63 22.3 0.0 37.8

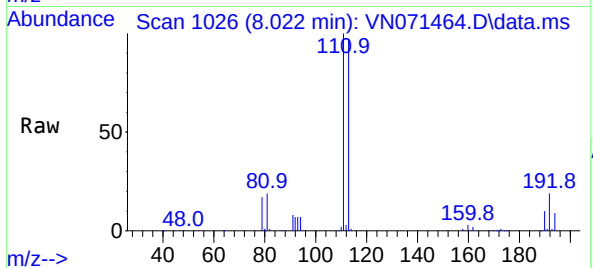
88 15.5 0.0 27.4



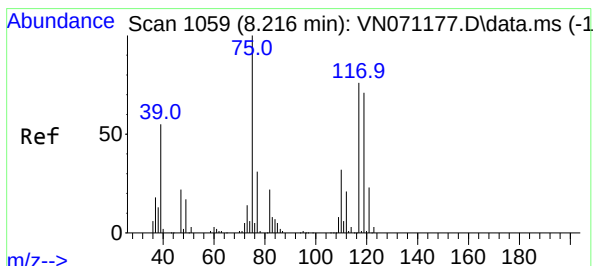
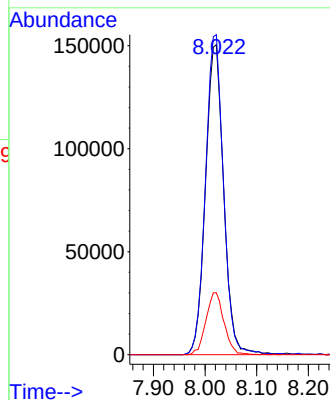
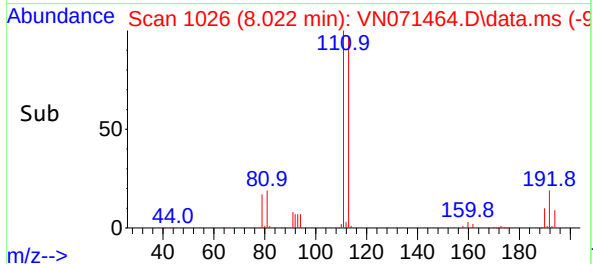


#35
Dibromofluoromethane
Concen: 46.142 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

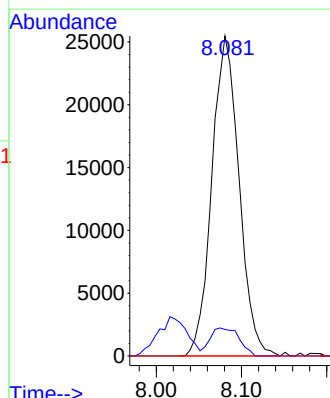
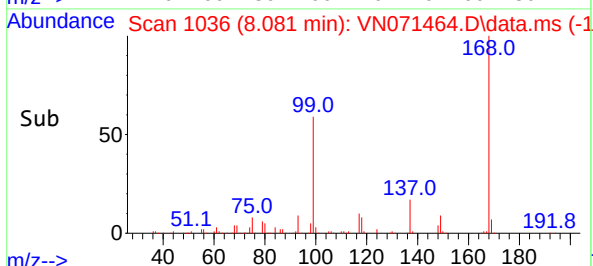
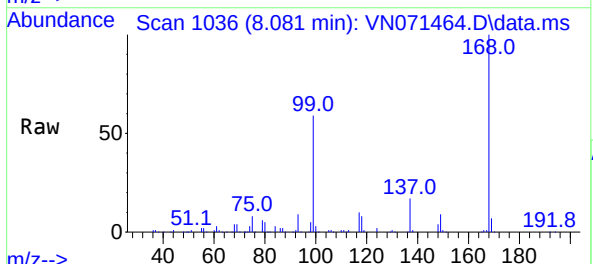


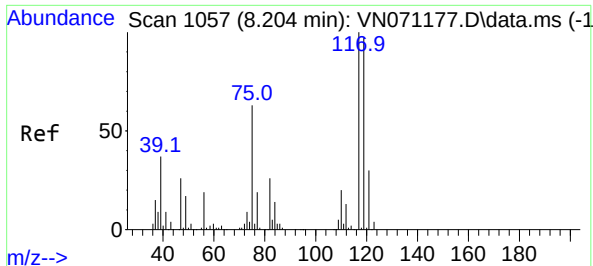
Tgt Ion:113 Resp: 367862
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.427 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

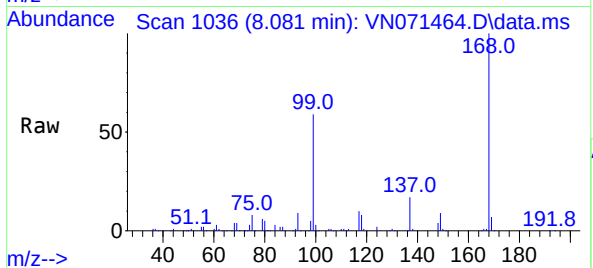
Tgt Ion: 75 Resp: 56543
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#



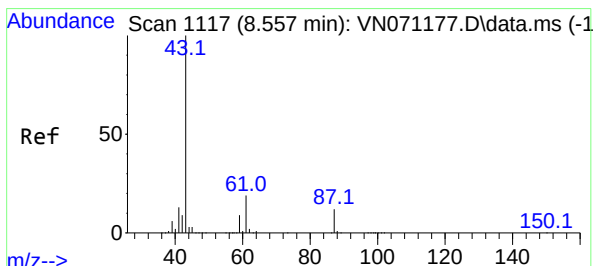
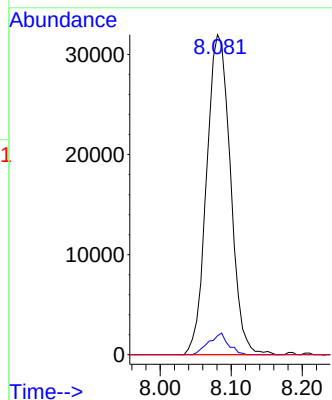
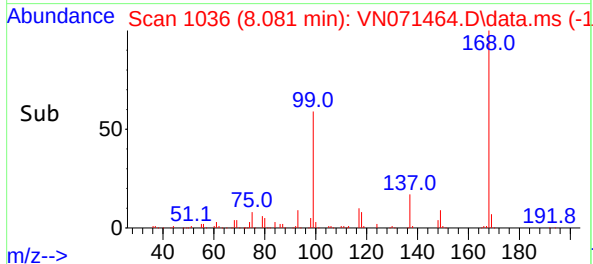


#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.123 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

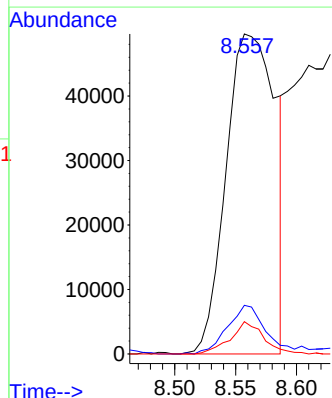
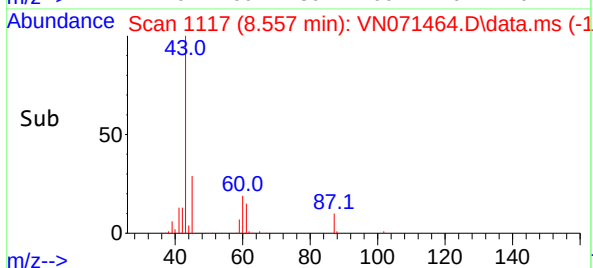
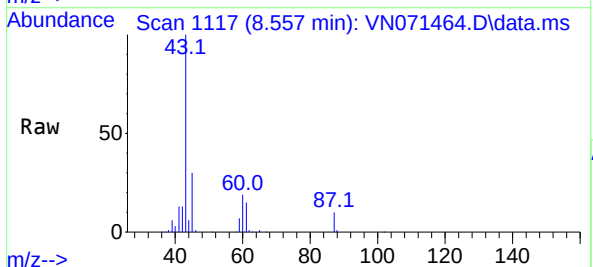


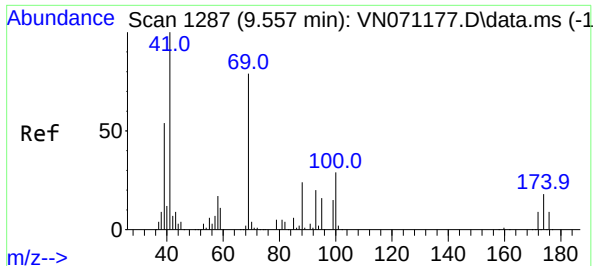
Tgt Ion:117 Resp: 74553
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.332 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 43 Resp: 140174
Ion Ratio Lower Upper
43 100
61 12.4 20.4 30.6#
87 6.9 11.2 16.8#

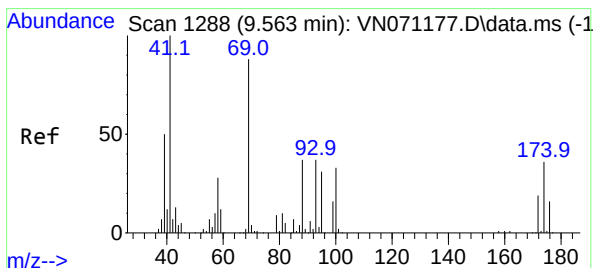
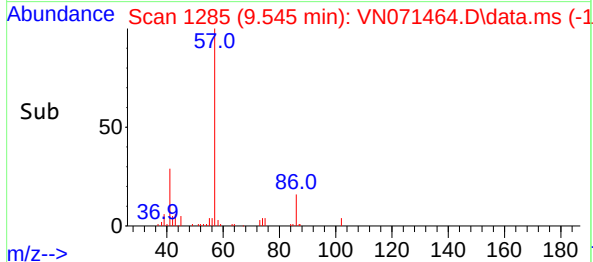
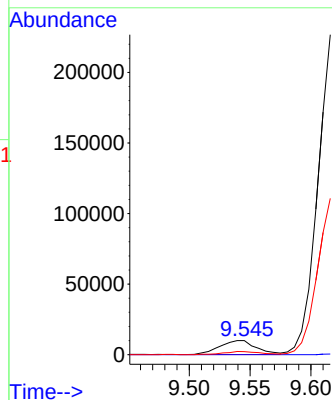
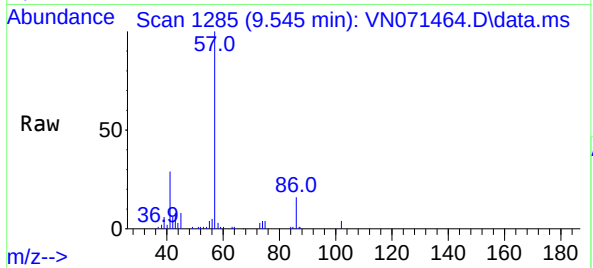




#48
Methyl methacrylate
Concen: 1.678 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

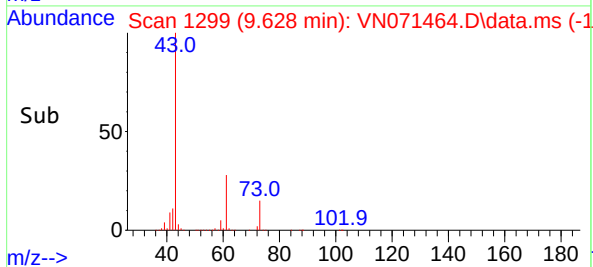
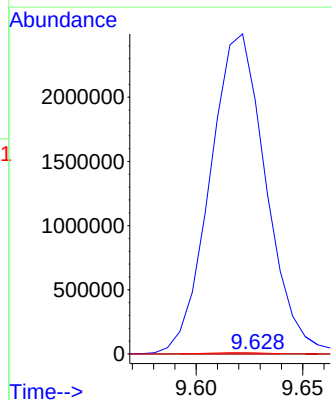
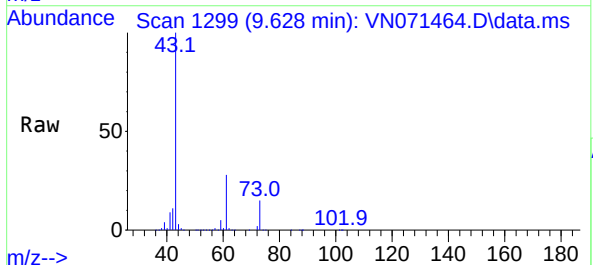
Instrument :
MSVOA_N
ClientSampleId :

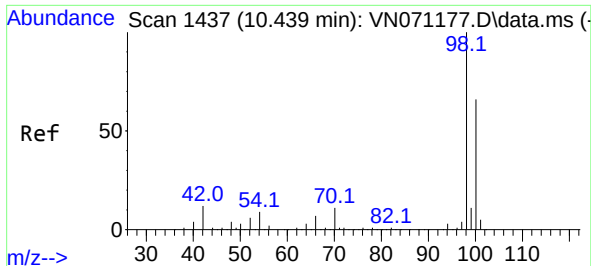
Tgt Ion: 41 Resp: 20445
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.688 ug/l
RT: 9.628 min Scan# 1299
Delta R.T. 0.065 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 88 Resp: 781
Ion Ratio Lower Upper
88 100
43 594459.0 23.4 35.2#
58 2637.3 50.6 75.8#

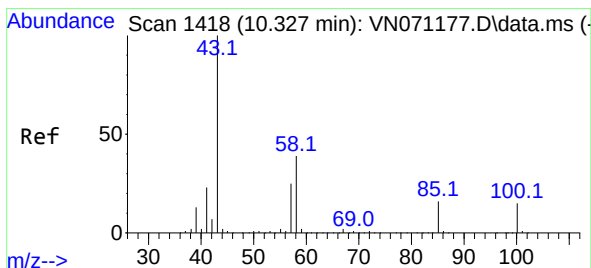
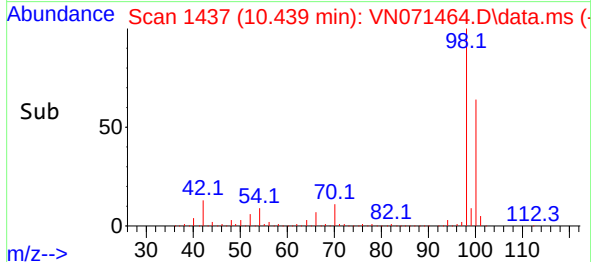
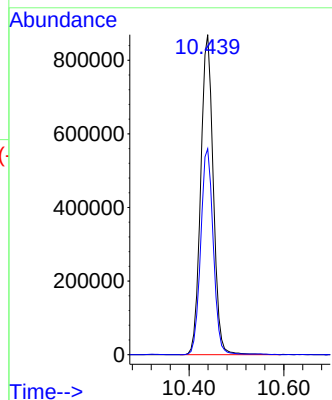
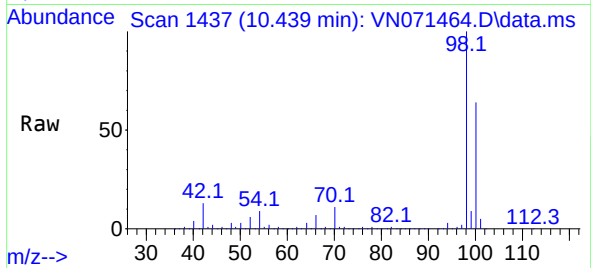




#50
Toluene-d8
Concen: 49.566 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

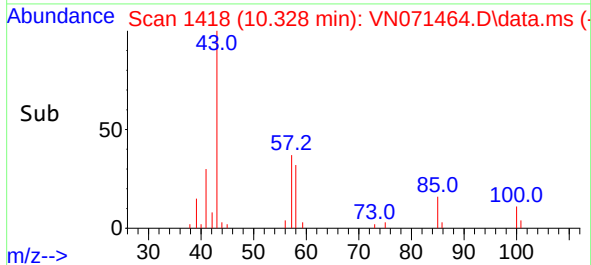
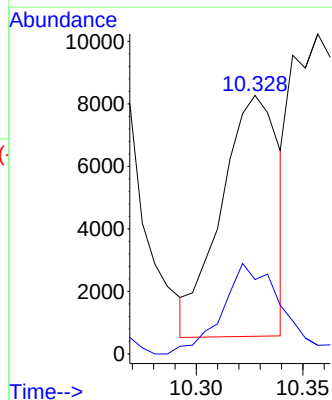
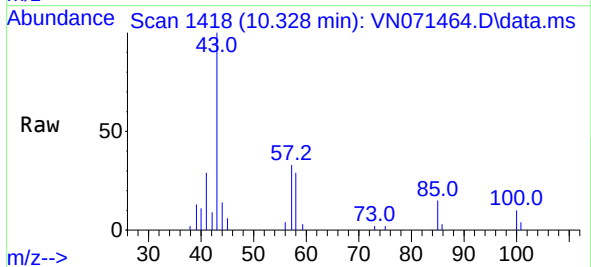
Instrument :
MSVOA_N
ClientSampleId :

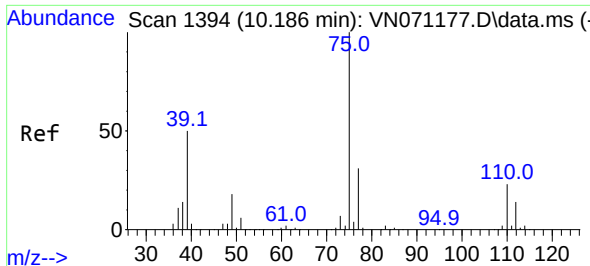
Tgt Ion: 98 Resp: 1591057
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.885 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 43 Resp: 14436
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

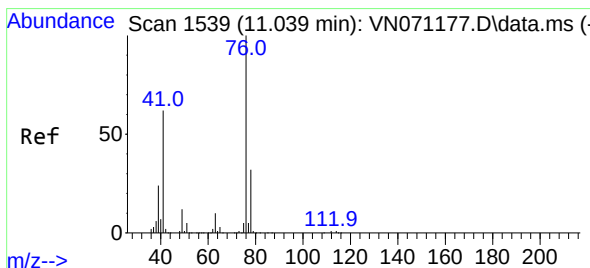
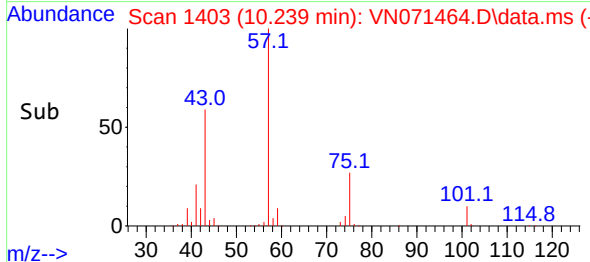
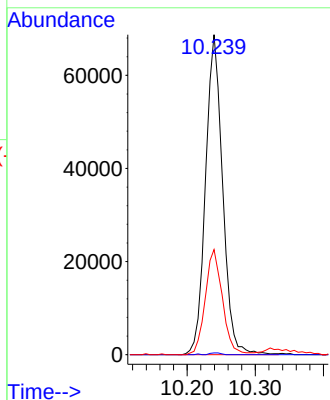
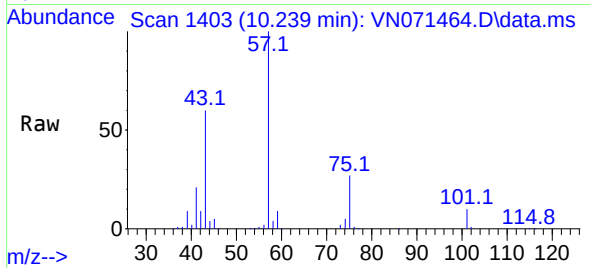




#54
cis-1,3-Dichloropropene
Concen: 7.749 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

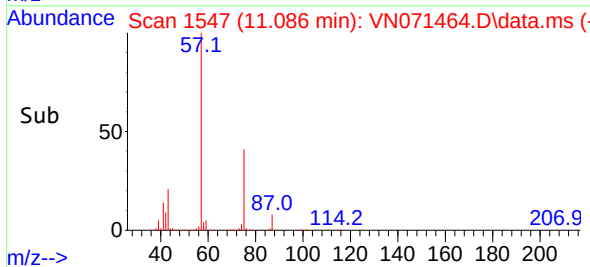
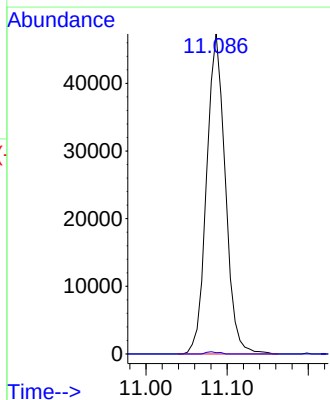
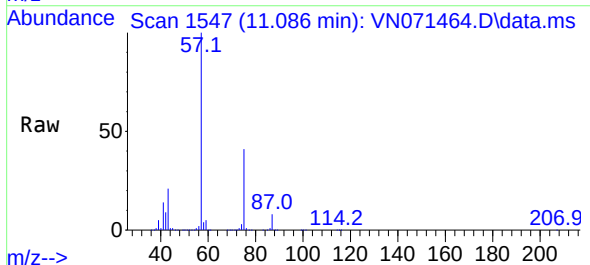
Instrument :
MSVOA_N
ClientSampleId :

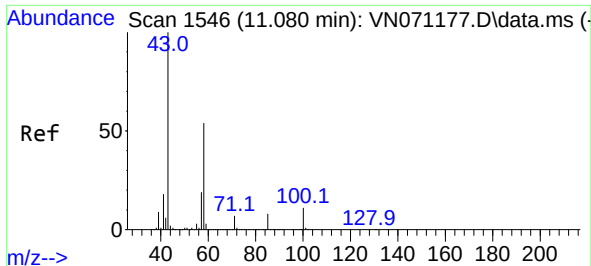
Tgt Ion: 75 Resp: 119937
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 32.8 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.434 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Tgt Ion: 76 Resp: 75586
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

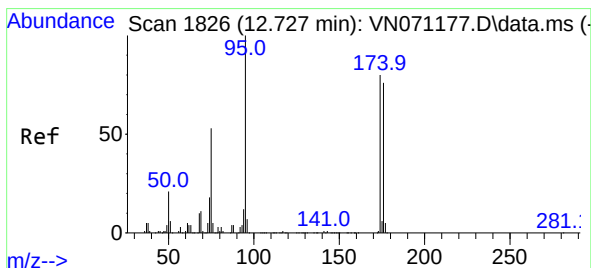
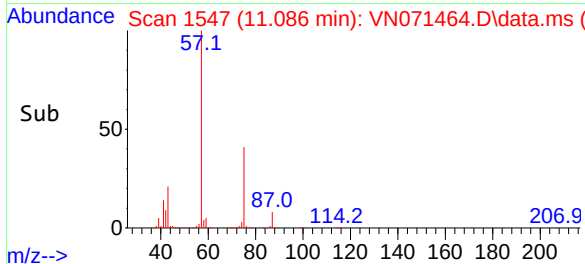
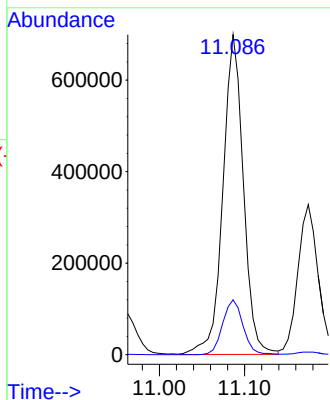
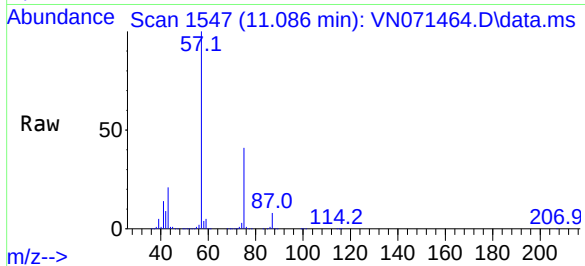




#59
2-Hexanone
Concen: 104.961 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

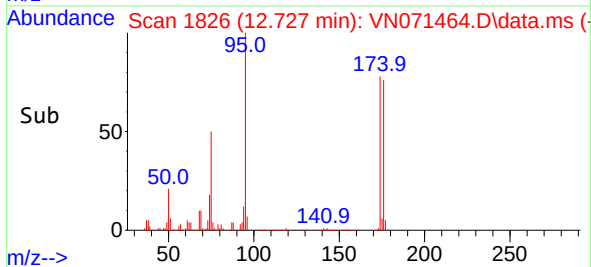
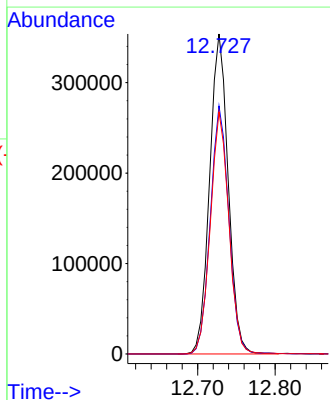
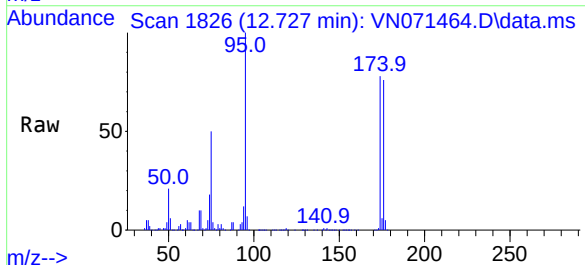
Instrument :
MSVOA_N
ClientSampleId :

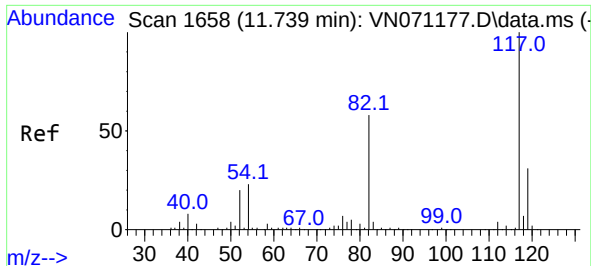
Tgt Ion: 43 Resp: 1168413
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 54.164 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

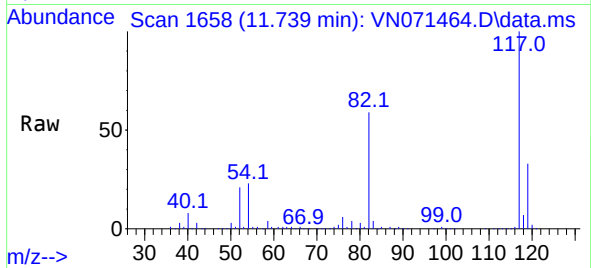
Tgt Ion: 95 Resp: 588748
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 75.4 0.0 181.4



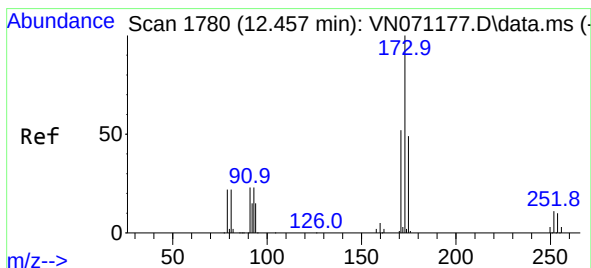
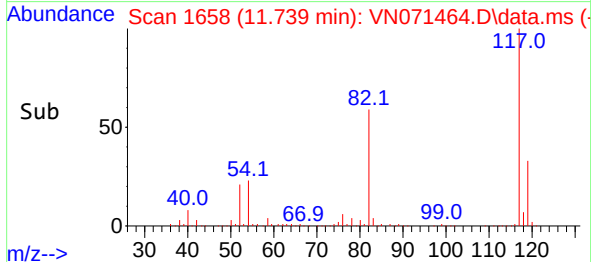
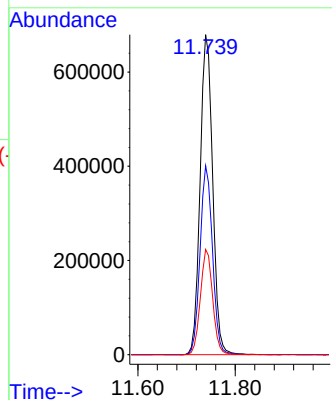


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :

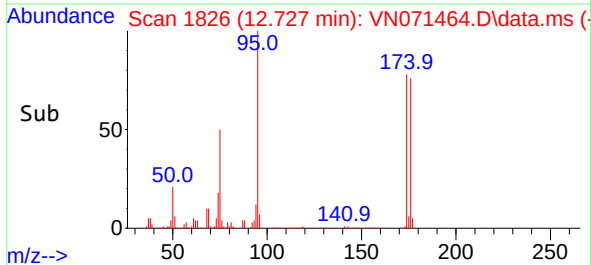
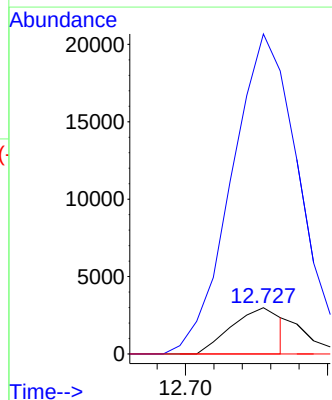
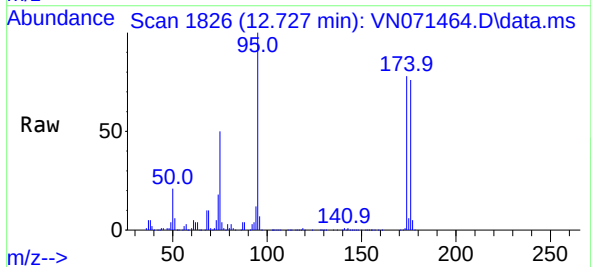


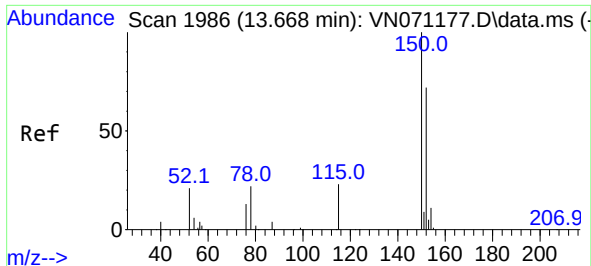
Tgt Ion:117 Resp: 1217351
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.9 25.4 38.2



#71
Bromoform
Concen: 0.502 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

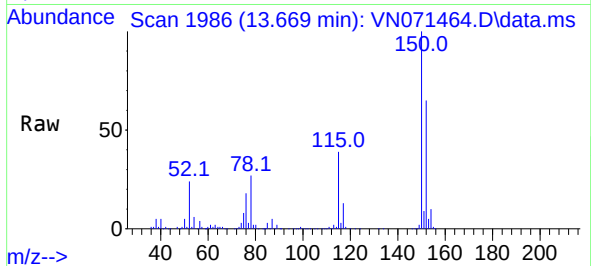
Tgt Ion:173 Resp: 3656
Ion Ratio Lower Upper
173 100
175 717.9 24.2 72.6#
254 0.0 0.0 0.0



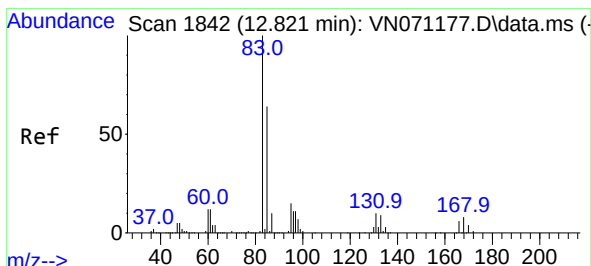
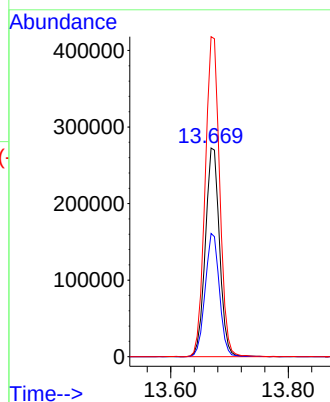
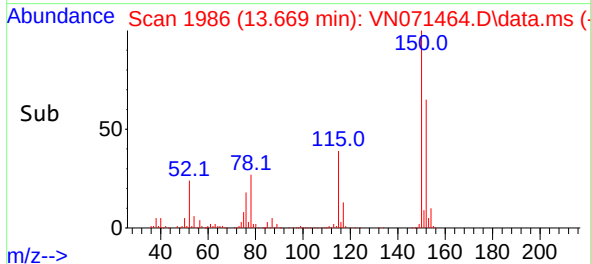


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

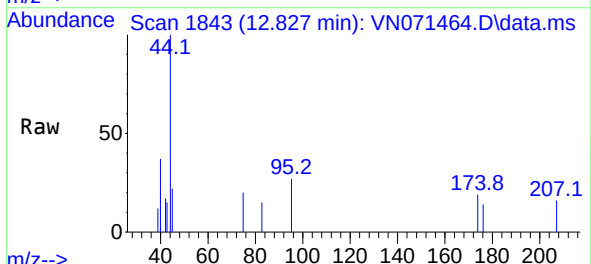
Instrument :
MSVOA_N
ClientSampleId :



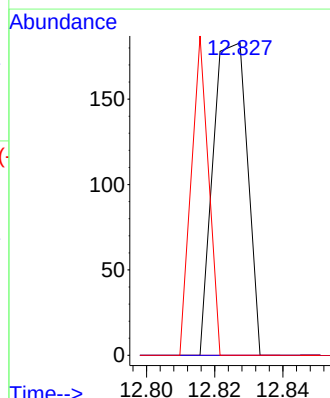
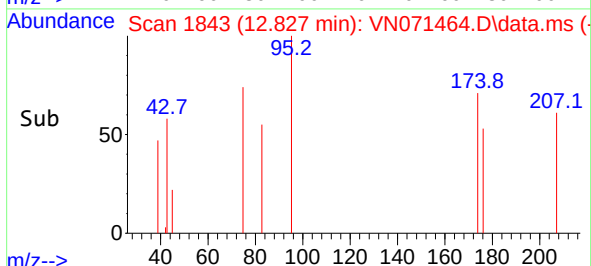
Tgt Ion:152 Resp: 455823
Ion Ratio Lower Upper
152 100
115 59.3 27.5 82.5
150 156.7 0.0 344.4

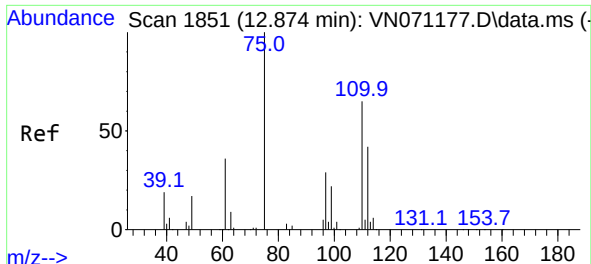


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1843
Delta R.T. 0.006 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43



Tgt Ion: 83 Resp: 127
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 52.0 32.4 97.2

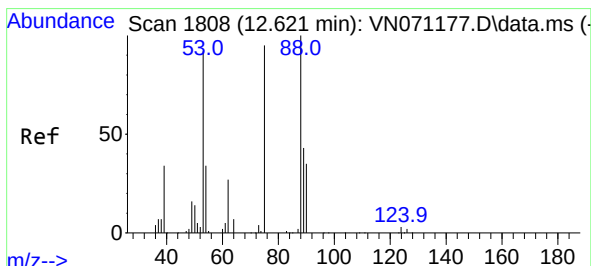
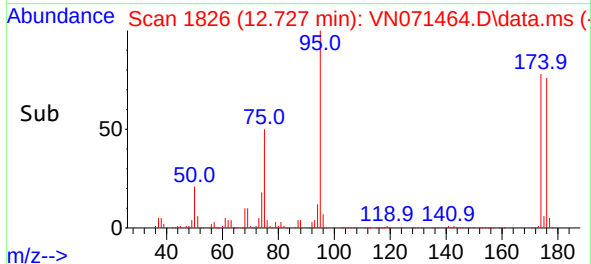
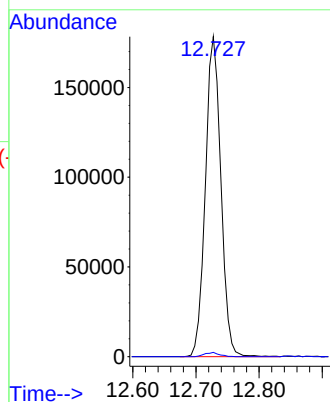
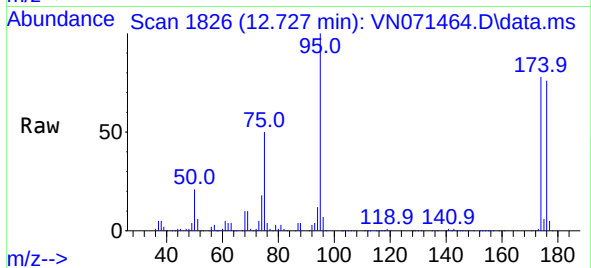




#76
1,2,3-Trichloropropane
Concen: 26.140 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

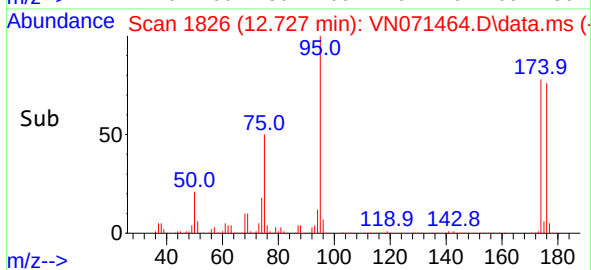
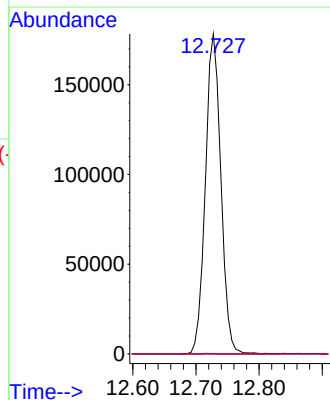
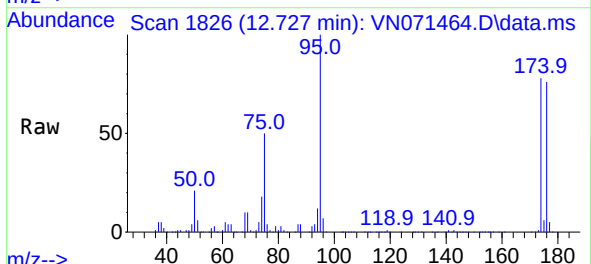
Instrument :
MSVOA_N
ClientSampleId :

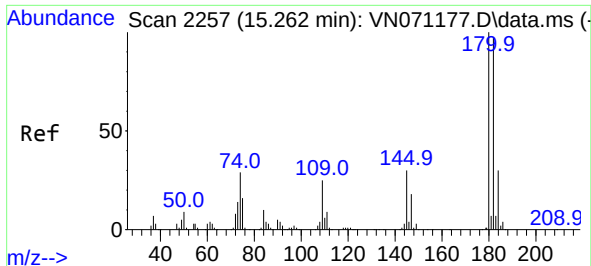
Tgt Ion: 75 Resp: 303664
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.015 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

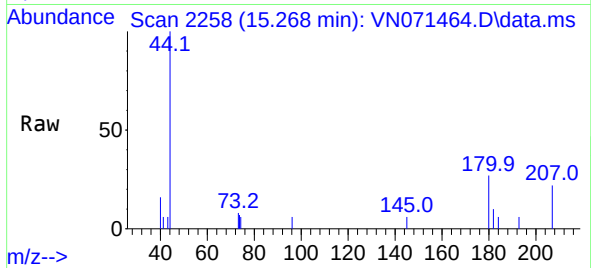
Tgt Ion: 75 Resp: 303664
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



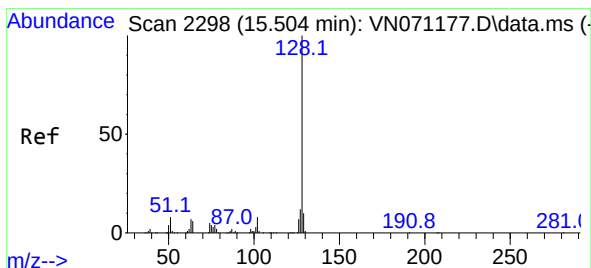
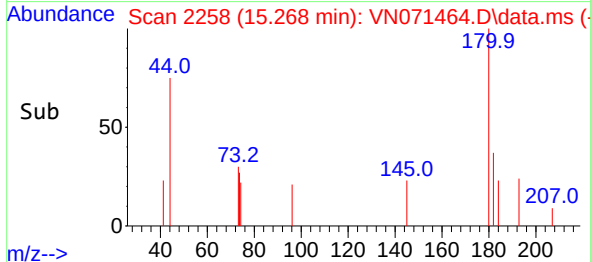
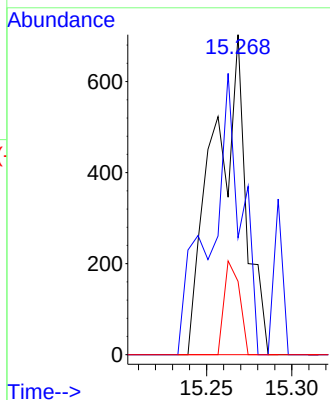


#93
1,2,4-Trichlorobenzene
Concen: 3.108 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43

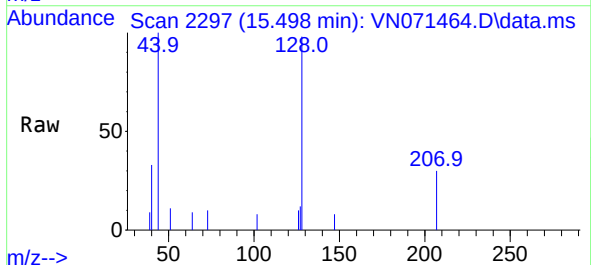
Instrument :
MSVOA_N
ClientSampleId :



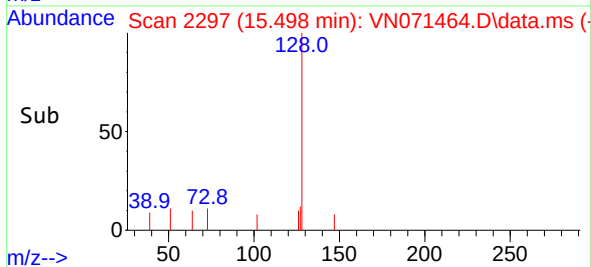
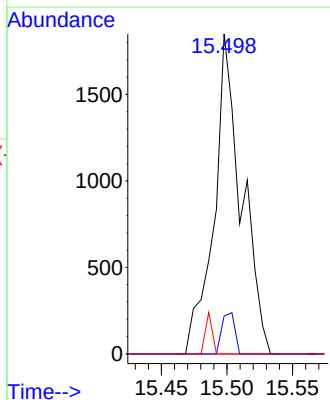
Tgt Ion:180 Resp: 942
Ion Ratio Lower Upper
180 100
182 82.7 48.3 144.9
145 13.7 14.5 43.5#

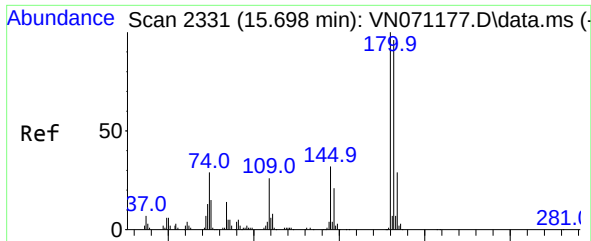


#95
Naphthalene
Concen: 5.183 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071464.D
Acq: 22 Mar 2022 13:43



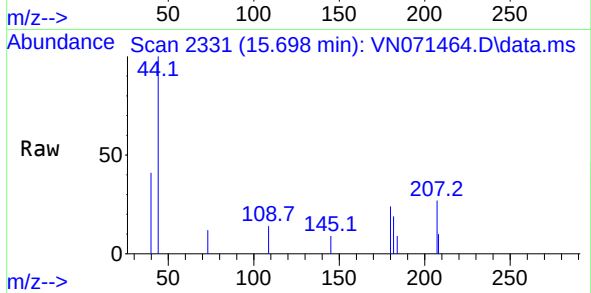
Tgt Ion:128 Resp: 2691
Ion Ratio Lower Upper
128 100
127 6.0 10.5 15.7#
129 3.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.814 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071464.D
 Acq: 22 Mar 2022 13:43

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 623
 Ion Ratio Lower Upper
 180 100
 182 125.2 47.4 142.2
 145 54.1 15.0 45.1#

