

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
 Data File : VN071217.D
 Acq On : 09 Mar 2022 18:09
 Operator : JC\MD
 Sample : PB143182ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 10 00:58:44 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)

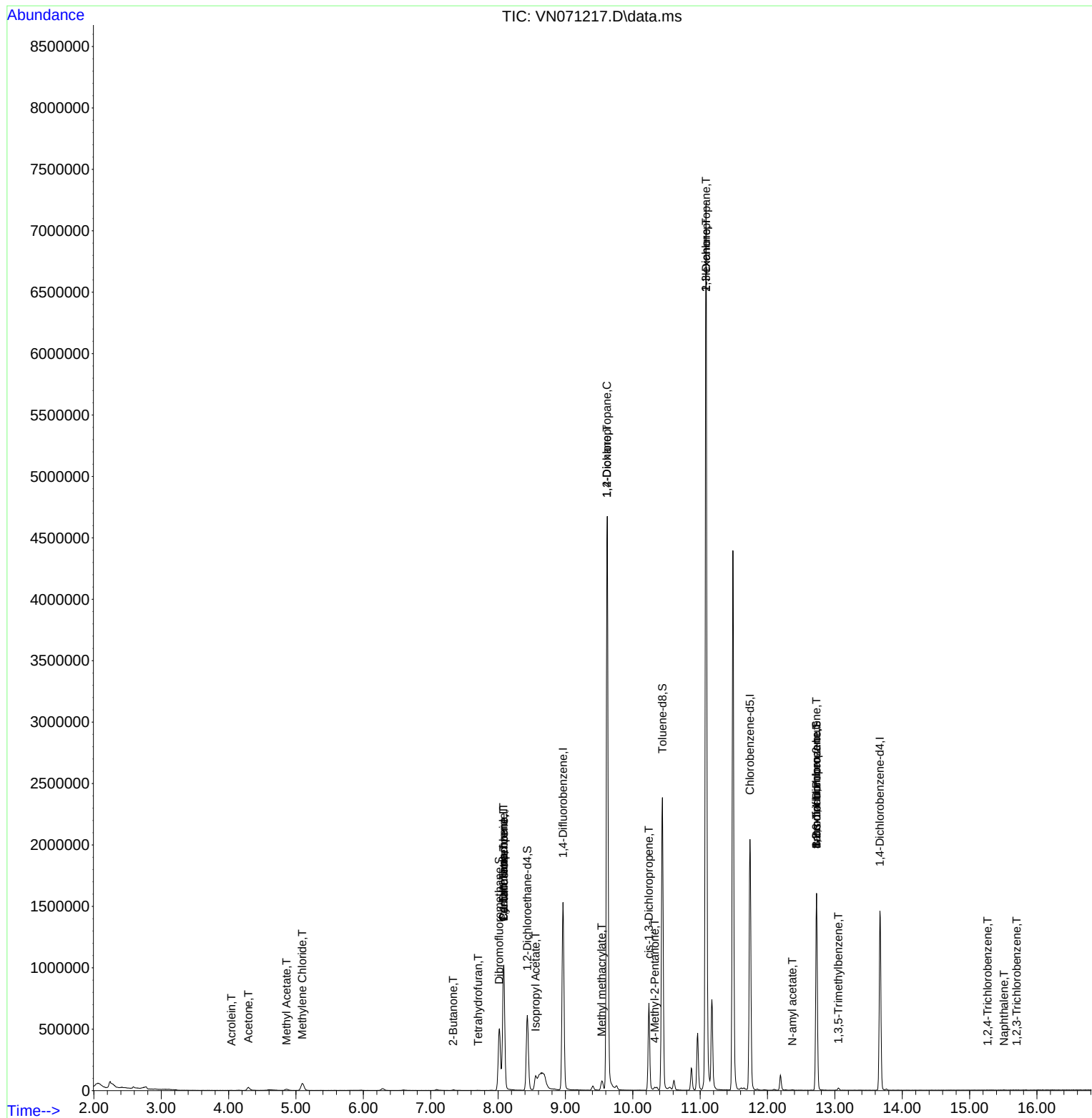
Internal Standards						
1) Pentafluorobenzene	8.086	168	797989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1322951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1200865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	400620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	505119	46.186	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.380%		
35) Dibromofluoromethane	8.016	113	377359	45.202	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.400%		
50) Toluene-d8	10.439	98	1631340	48.533	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.060%		
62) 4-Bromofluorobenzene	12.727	95	547666	48.117	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.240%		
Target Compounds						Qvalue
5) Bromomethane	2.834	94	443	Below Cal		83
13) Acrolein	4.040	56	702	0.309 ug/l		90
16) Acetone	4.293	43	42688	8.022 ug/l #		89
18) Methyl Acetate	4.857	43	21432	1.956 ug/l		99
20) Methylene Chloride	5.093	84	43763	4.847 ug/l		91
25) 2-Butanone	7.334	43	9236	1.077 ug/l #		81
29) Tetrahydrofuran	7.704	42	1275	0.215 ug/l #		45
31) Cyclohexane	8.081	56	17109	0.980 ug/l #		1
36) 1,1-Dichloropropene	8.081	75	62720	4.689 ug/l #		49
38) Carbon Tetrachloride	8.081	117	79469	6.142 ug/l #		17
43) Isopropyl Acetate	8.557	43	140722	5.112 ug/l #		78
45) 1,2-Dichloropropane	9.616	63	5903	0.546 ug/l #		44
48) Methyl methacrylate	9.539	41	23233	1.821 ug/l #		8
49) 1,4-Dioxane	9.616	88	775	3.495 ug/l #		1
51) 4-Methyl-2-Pentanone	10.327	43	12999	0.761 ug/l #		84
54) cis-1,3-Dichloropropene	10.239	75	123869	7.643 ug/l #		60
57) 1,3-Dichloropropane	11.086	76	75647	4.238 ug/l #		44
59) 2-Hexanone	11.086	43	1181579	101.366 ug/l #		49
71) Bromoform	12.727	173	3210	0.447 ug/l #		1
74) N-amyl acetate	12.369	43	3550	0.244 ug/l #		44
75) 1,1,2,2-Tetrachloroethane	12.727	83	470	Below Cal #		1
76) 1,2,3-Trichloropropane	12.727	75	281748	27.762 ug/l #		1
80) 1,3,5-Trimethylbenzene	13.051	105	7690	0.256 ug/l		95
81) trans-1,4-Dichloro-2-b...	12.727	75	281748	76.024 ug/l #		5
93) 1,2,4-Trichlorobenzene	15.268	180	567	3.070 ug/l #		20
95) Naphthalene	15.509	128	1542	5.143 ug/l #		84
96) 1,2,3-Trichlorobenzene	15.698	180	293	2.776 ug/l #		66

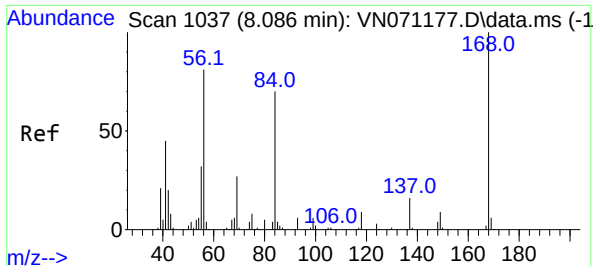
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030922\
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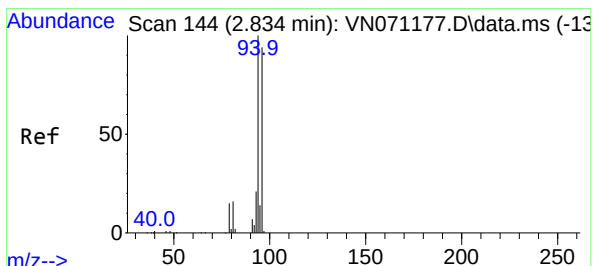
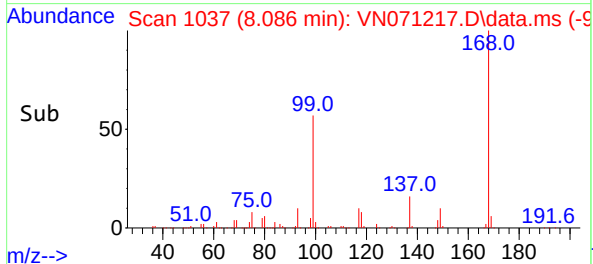
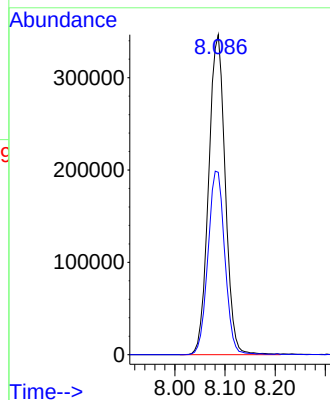
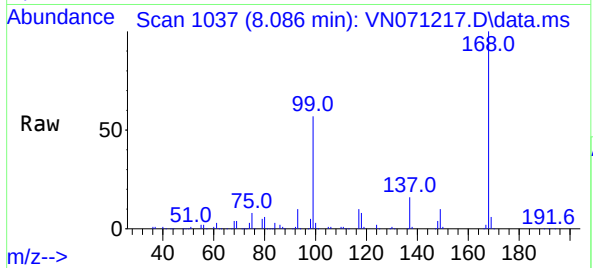




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

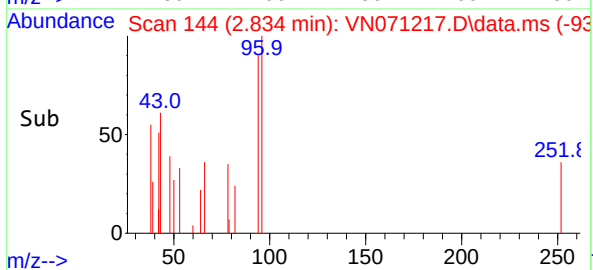
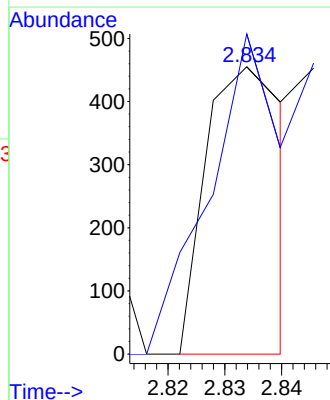
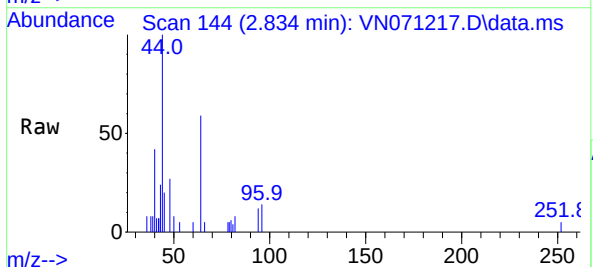
Instrument :
MSVOA_N
ClientSampleId :

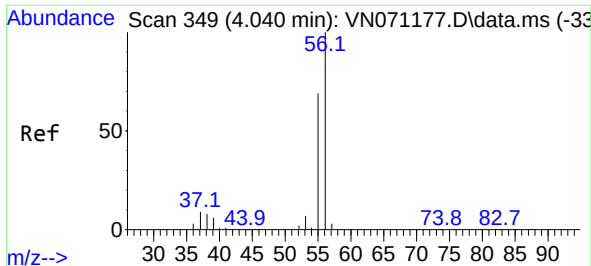
Tgt Ion:168 Resp: 797989
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 144
Delta R.T. -0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 76.0 73.8 110.8

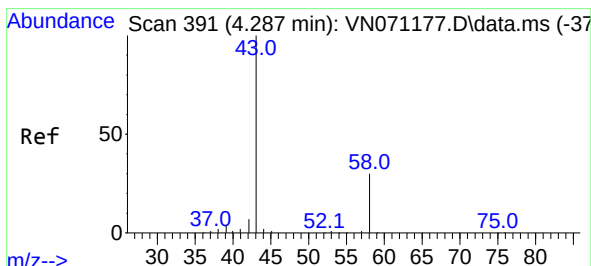
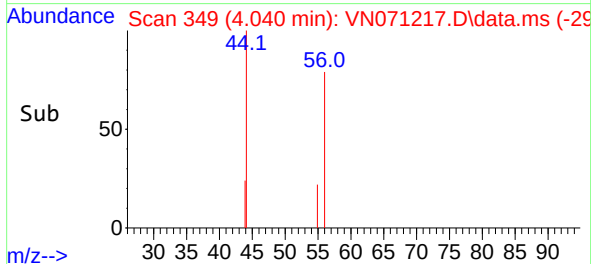
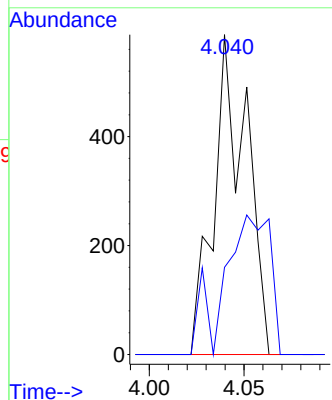
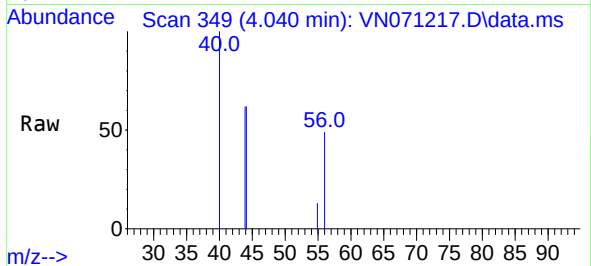




#13
Acrolein
Concen: 0.309 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

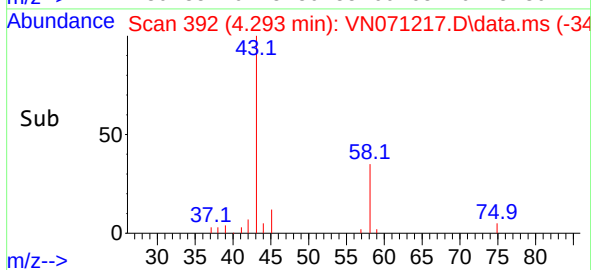
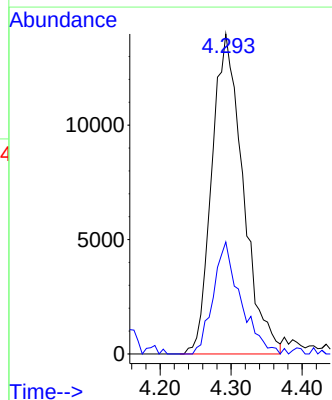
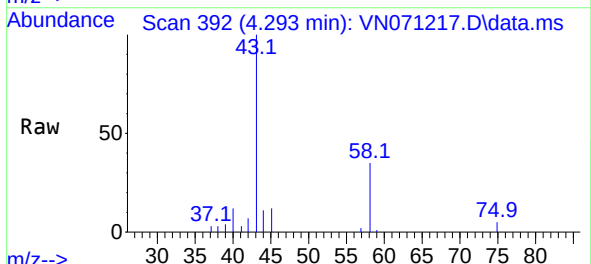
Instrument :
MSVOA_N
ClientSampleId :

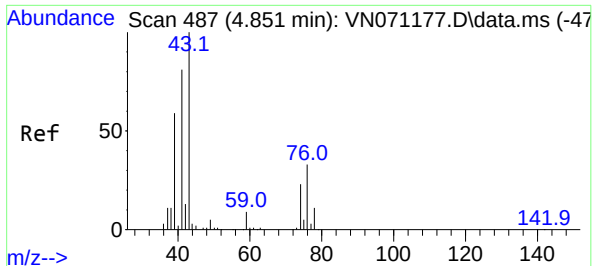
Tgt Ion: 56 Resp: 702
Ion Ratio Lower Upper
56 100
55 62.4 56.6 85.0



#16
Acetone
Concen: 8.022 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 43 Resp: 42688
Ion Ratio Lower Upper
43 100
58 35.0 23.1 34.7#

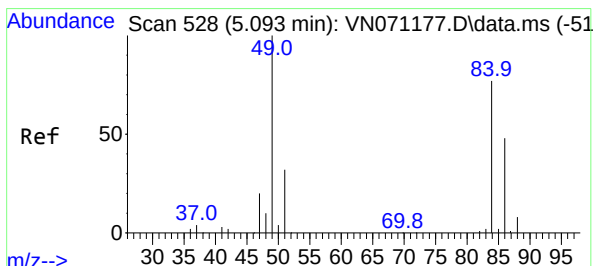
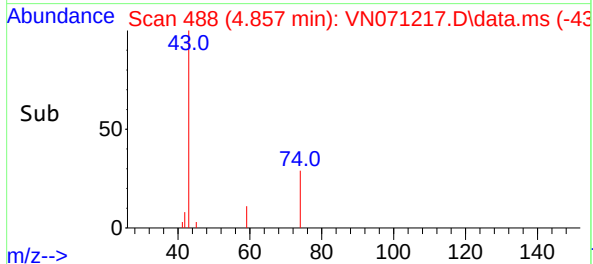
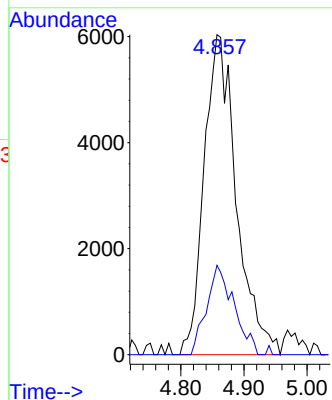
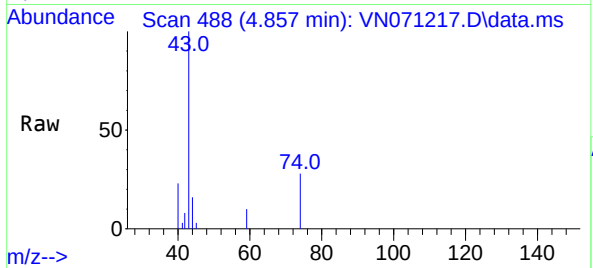




#18
Methyl Acetate
Concen: 1.956 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

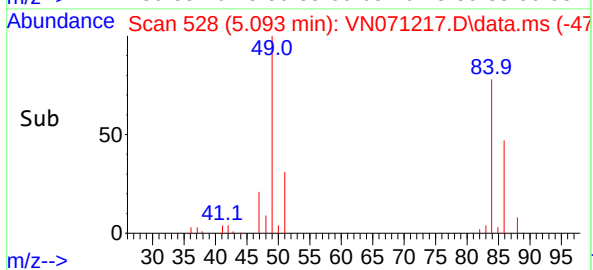
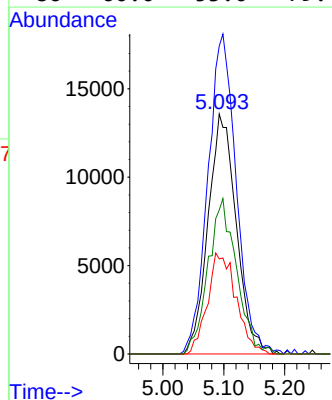
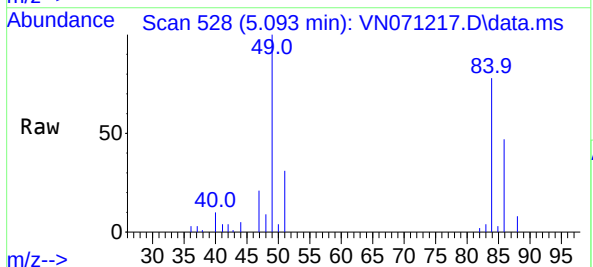
Instrument :
MSVOA_N
ClientSampleId :

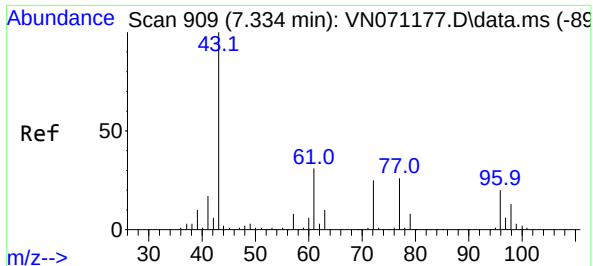
Tgt Ion: 43 Resp: 21432
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2



#20
Methylene Chloride
Concen: 4.847 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 84 Resp: 43763
Ion Ratio Lower Upper
84 100
49 128.3 93.5 140.3
51 39.6 29.4 44.2
86 60.0 53.0 79.4





#25

2-Butanone

Concen: 1.077 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: VN071217.D

Acq: 09 Mar 2022 18:09

Instrument :

MSVOA_N

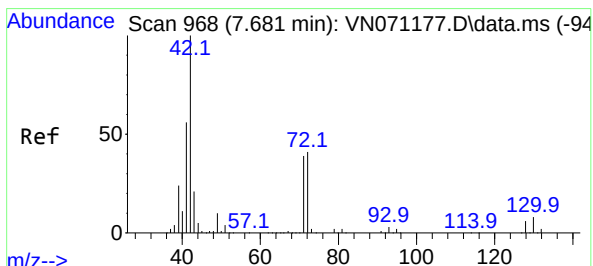
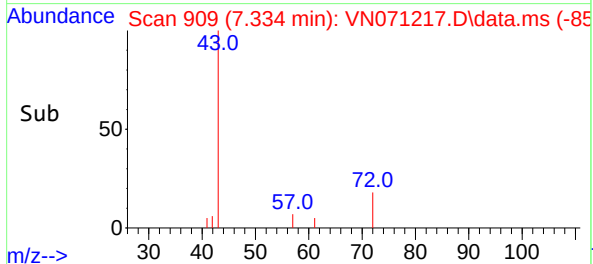
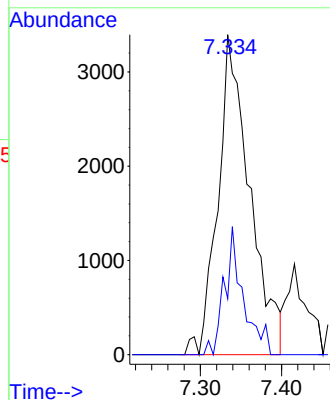
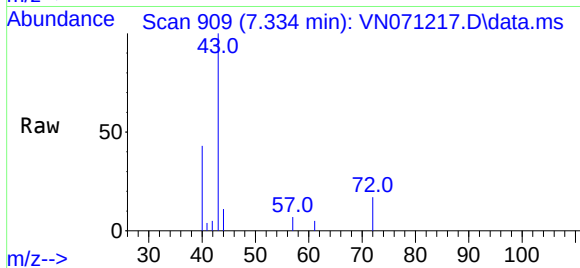
ClientSampleId :

Tgt Ion: 43 Resp: 9236

Ion Ratio Lower Upper

43 100

72 17.5 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 7.704 min Scan# 972

Delta R.T. 0.024 min

Lab File: VN071217.D

Acq: 09 Mar 2022 18:09

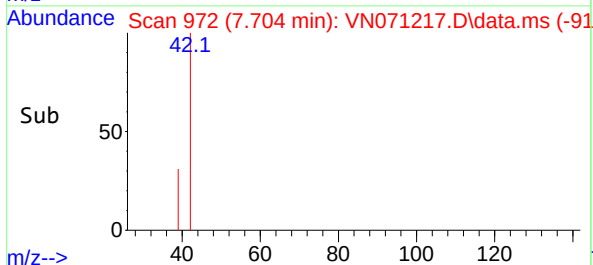
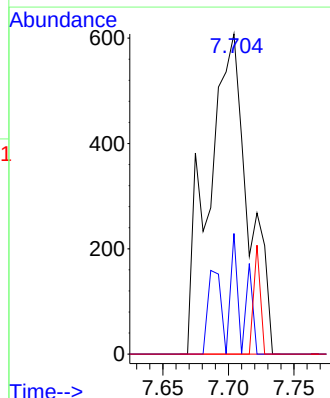
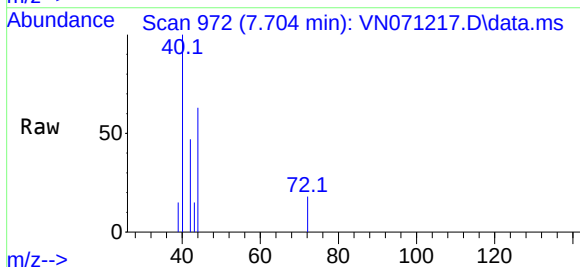
Tgt Ion: 42 Resp: 1275

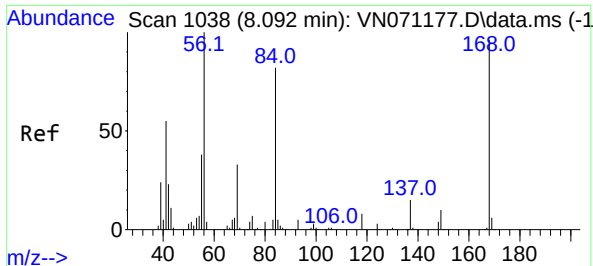
Ion Ratio Lower Upper

42 100

72 11.1 36.3 54.5#

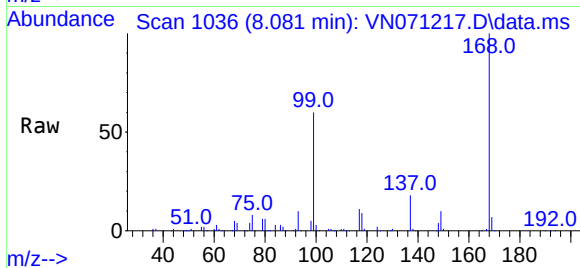
71 5.7 34.7 52.1#



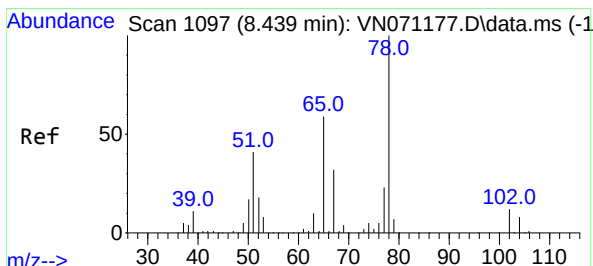
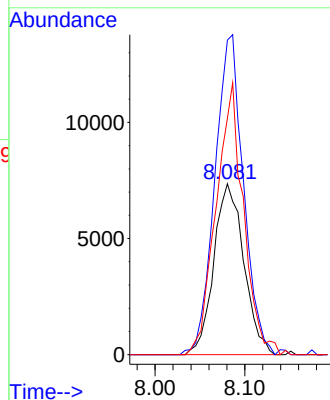
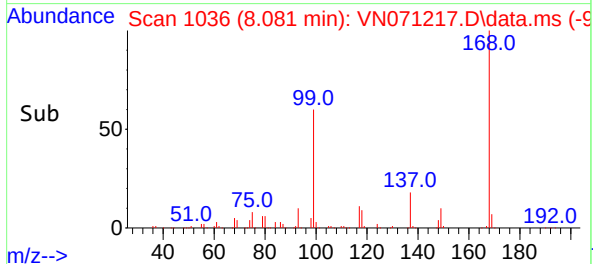


#31
Cyclohexane
Concen: 0.980 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Instrument :
MSVOA_N
ClientSampleId :

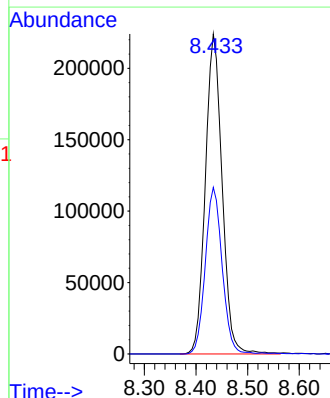
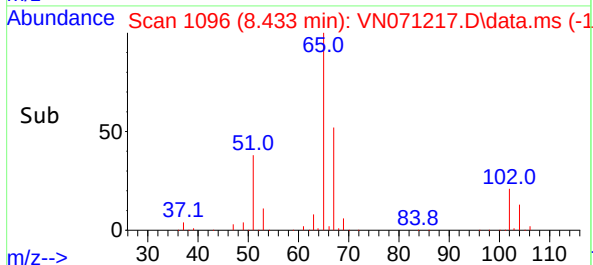
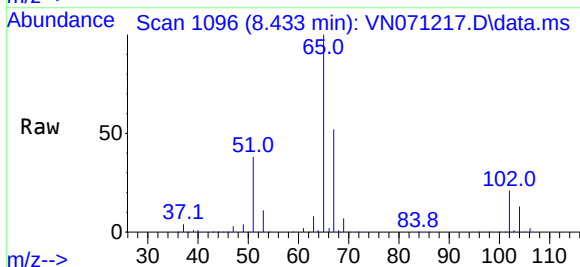


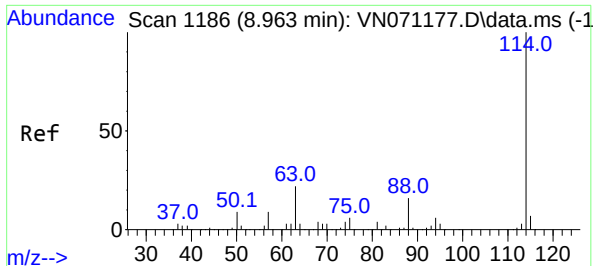
Tgt Ion: 56 Resp: 17109
Ion Ratio Lower Upper
56 100
69 184.1 27.1 40.7#
84 138.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.186 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 65 Resp: 505119
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0

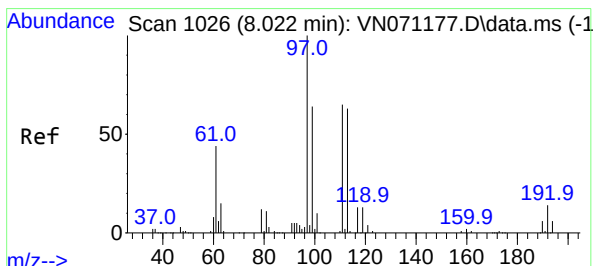
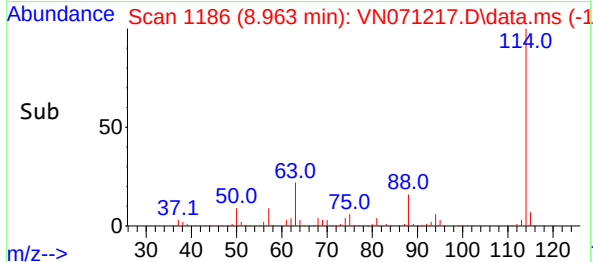
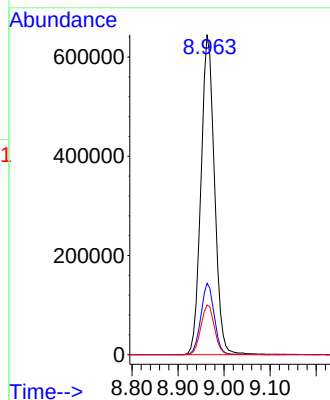
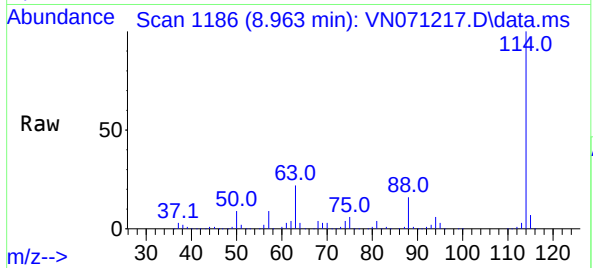




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

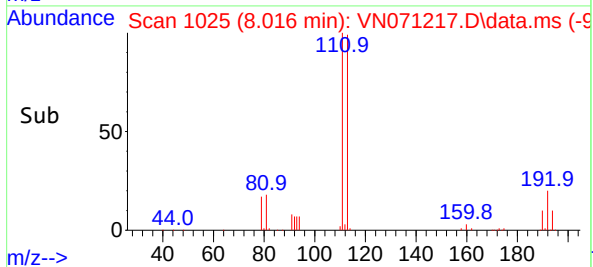
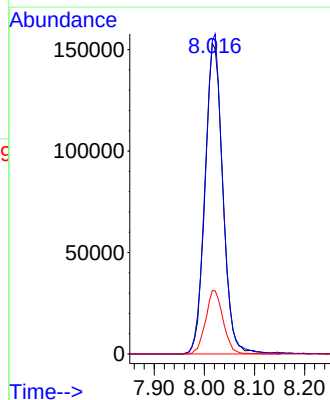
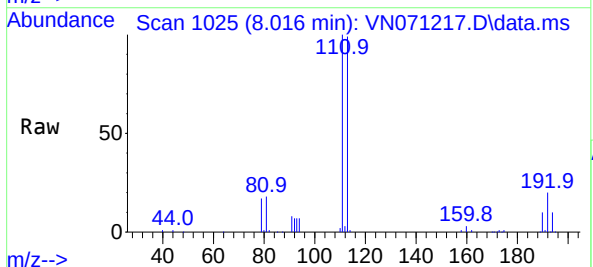
Instrument :
MSVOA_N
ClientSampleId :

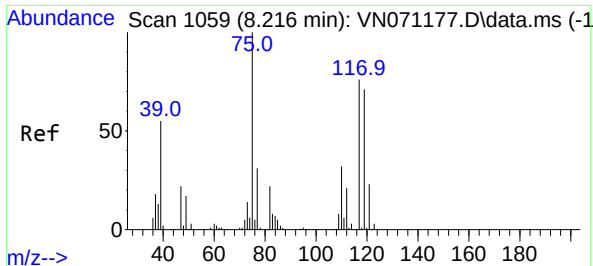
Tgt Ion:114 Resp: 1322951
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 15.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.202 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion:113 Resp: 377359
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.689 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071217.D

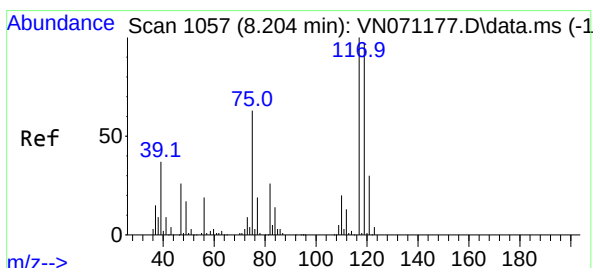
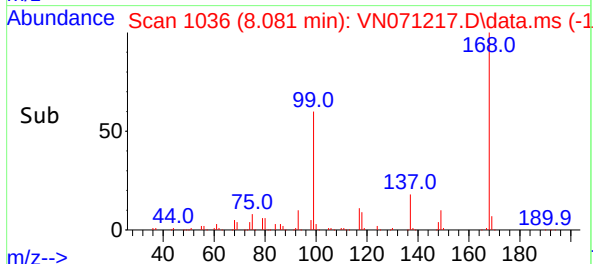
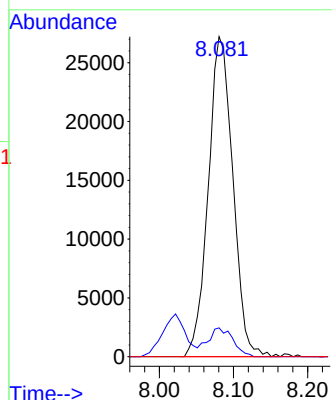
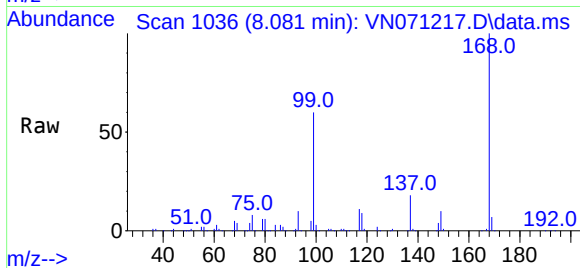
Acq: 09 Mar 2022 18:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 62720
Ion Ratio	Lower Upper
75	100
110	9.2 18.4 55.2#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.142 ug/l

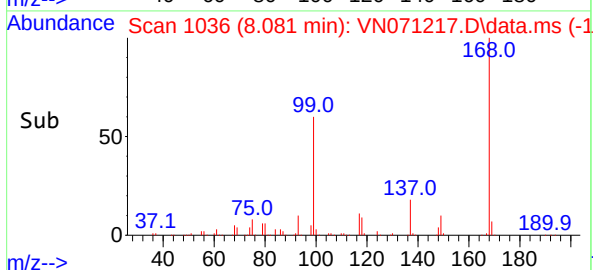
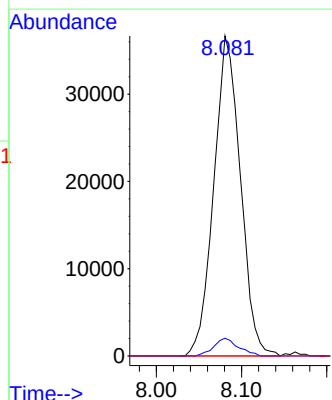
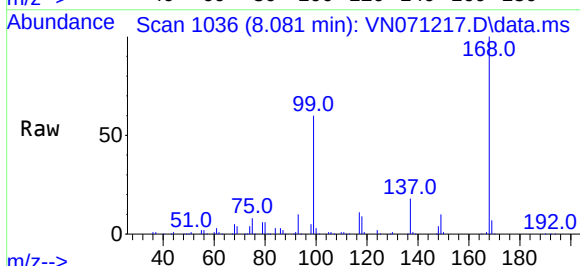
RT: 8.081 min Scan# 1036

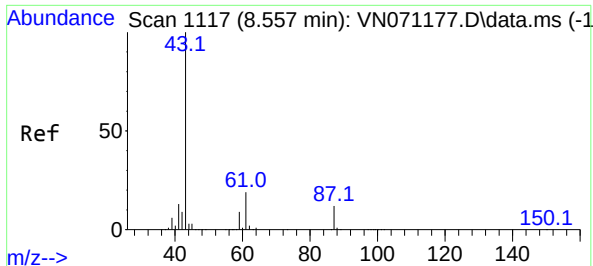
Delta R.T. -0.123 min

Lab File: VN071217.D

Acq: 09 Mar 2022 18:09

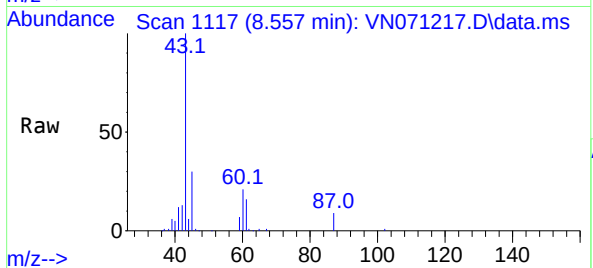
Tgt Ion: 117	Resp: 79469
Ion Ratio	Lower Upper
117	100
119	5.5 76.1 114.1#
121	0.0 24.2 36.2#



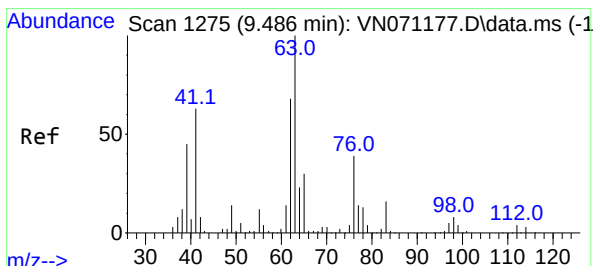
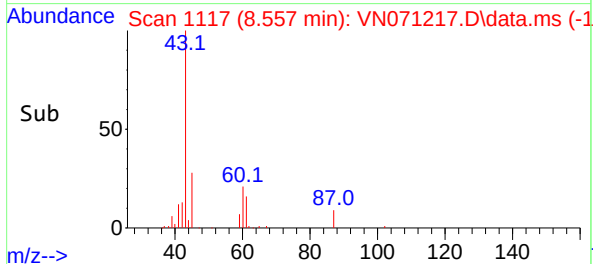
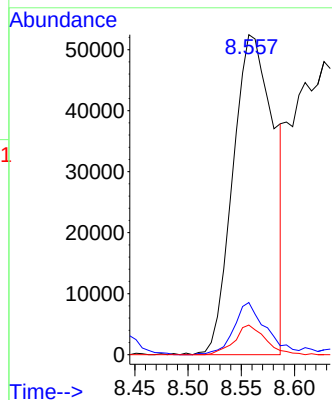


#43
Isopropyl Acetate
Concen: 5.112 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Instrument :
MSVOA_N
ClientSampleId :

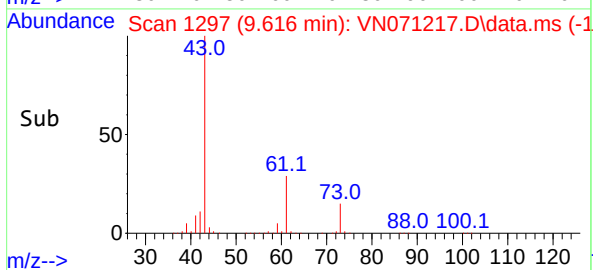
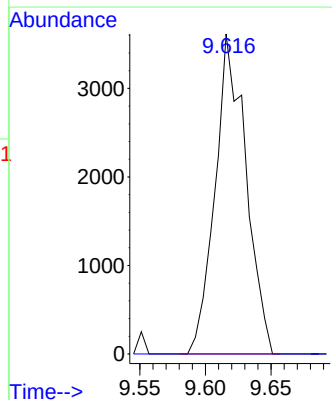
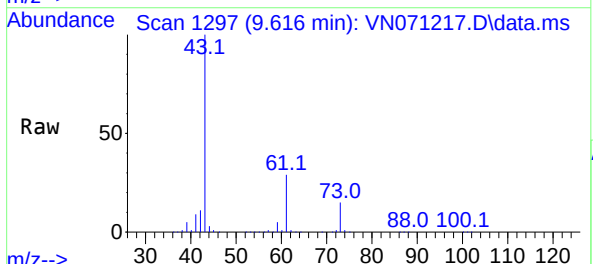


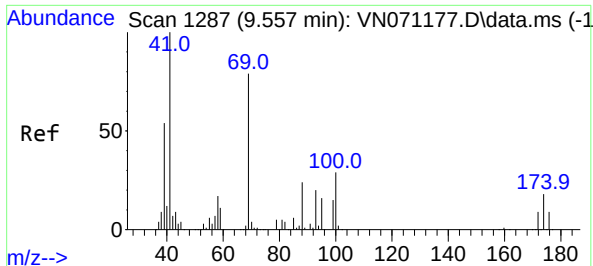
Tgt Ion: 43 Resp: 140722
Ion Ratio Lower Upper
43 100
61 12.8 20.4 30.6#
87 7.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.546 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 63 Resp: 5903
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

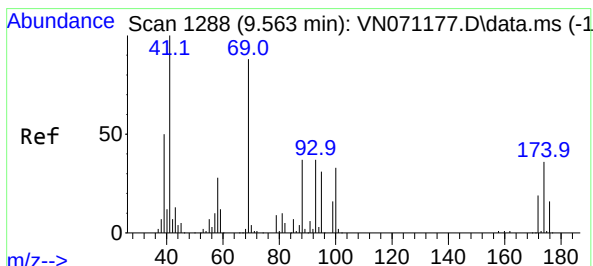
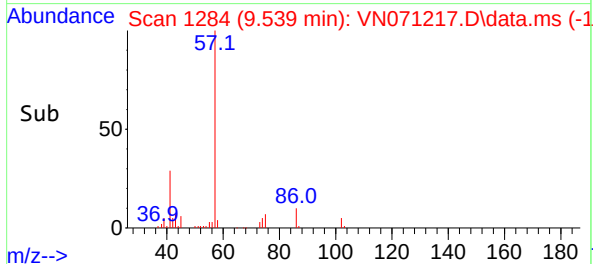
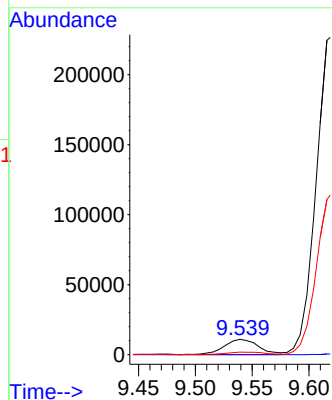
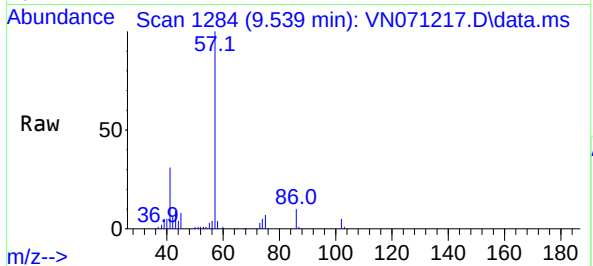




#48
Methyl methacrylate
Concen: 1.821 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

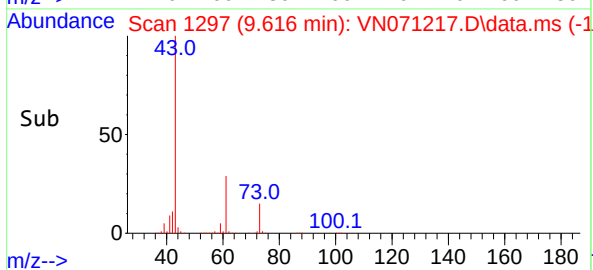
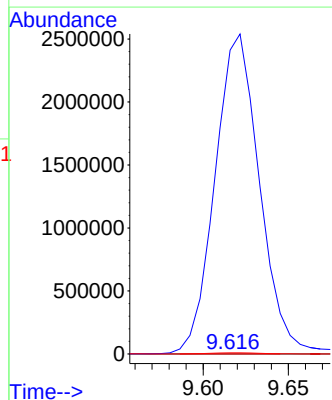
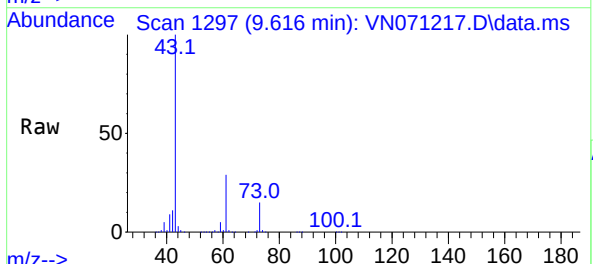
Instrument :
MSVOA_N
ClientSampleId :

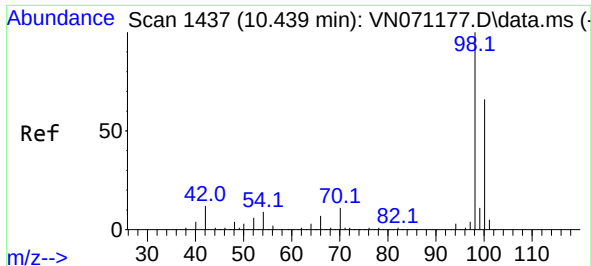
Tgt Ion: 41 Resp: 23233
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.495 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 88 Resp: 775
Ion Ratio Lower Upper
88 100
43 605163.4 23.4 35.2#
58 2303.1 50.6 75.8#

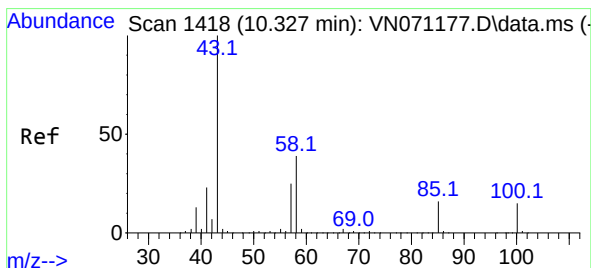
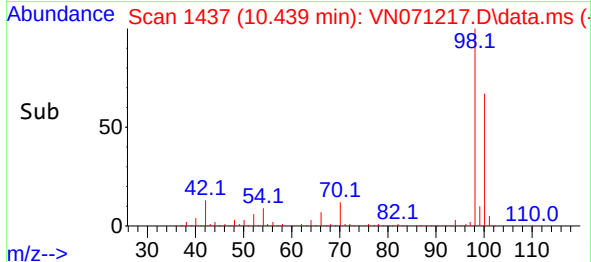
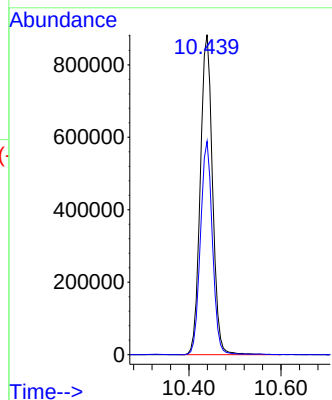
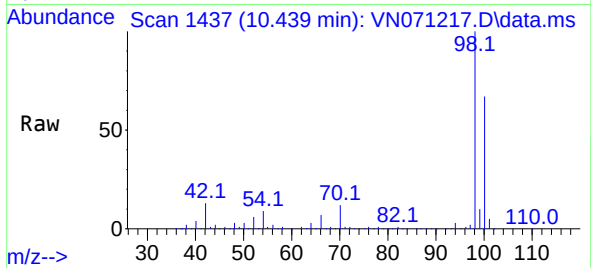




#50
Toluene-d8
Concen: 48.533 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

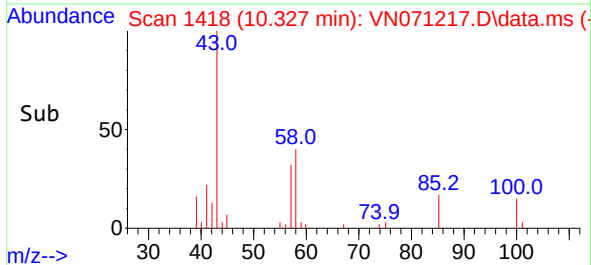
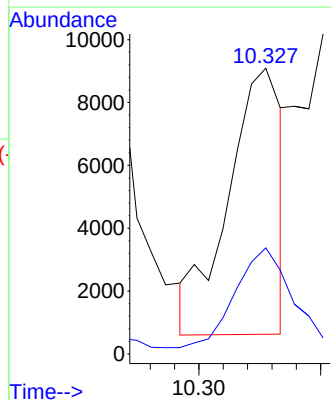
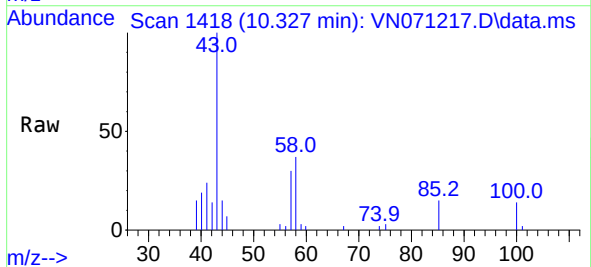
Instrument :
MSVOA_N
ClientSampleId :

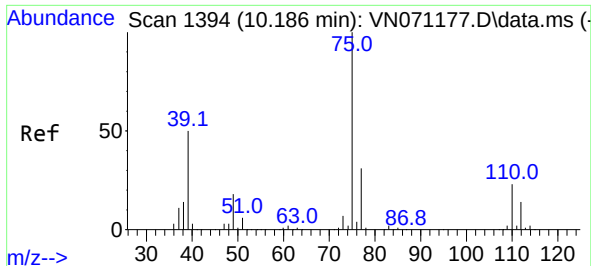
Tgt Ion: 98 Resp: 1631340
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.761 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion: 43 Resp: 12999
Ion Ratio Lower Upper
43 100
58 47.7 30.4 45.6#

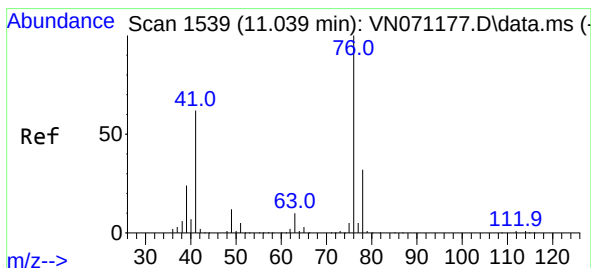
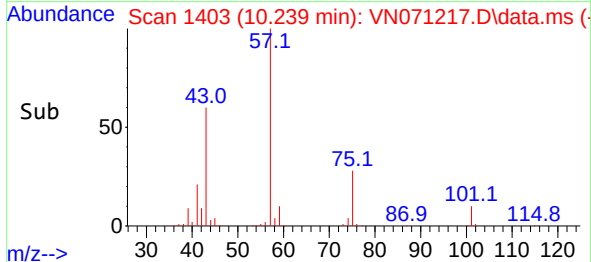
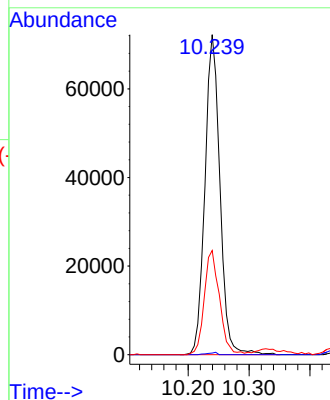
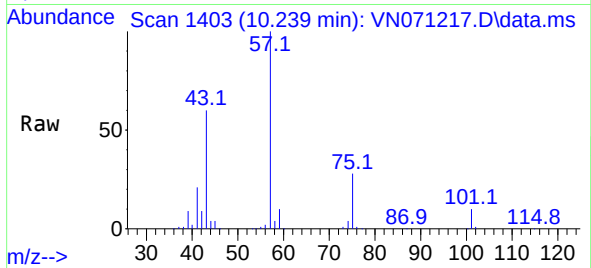




#54
 cis-1,3-Dichloropropene
 Concen: 7.643 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071217.D
 Acq: 09 Mar 2022 18:09

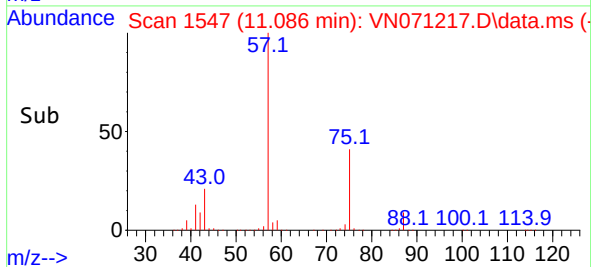
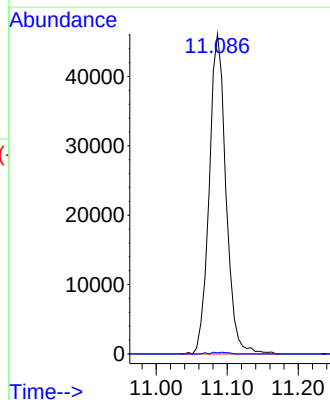
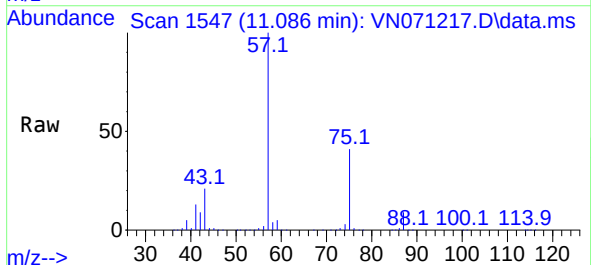
Instrument :
 MSVOA_N
 ClientSampleId :

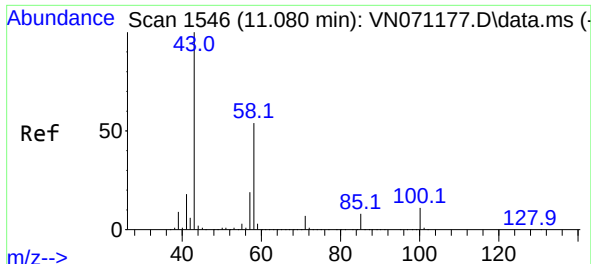
Tgt Ion: 75 Resp: 123869
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.4 39.6#
 39 32.6 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.238 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071217.D
 Acq: 09 Mar 2022 18:09

Tgt Ion: 76 Resp: 75647
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.7 38.5#

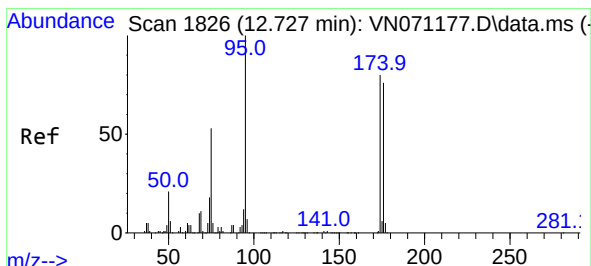
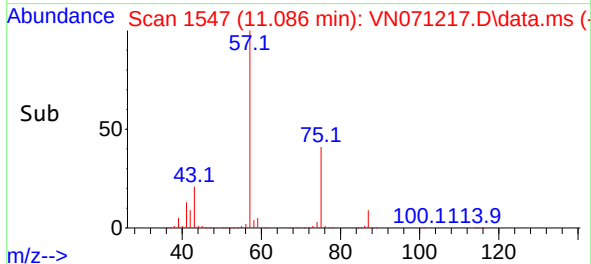
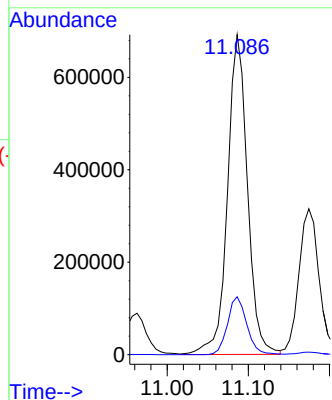
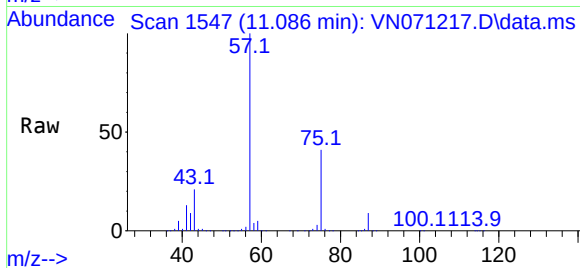




#59
2-Hexanone
Concen: 101.366 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

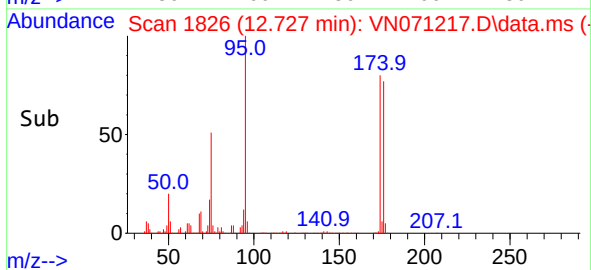
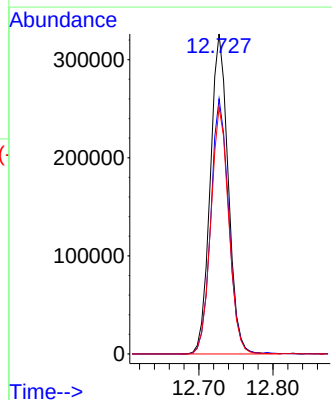
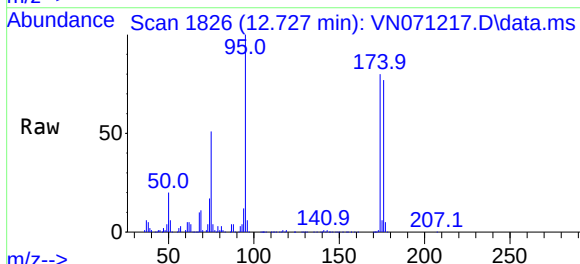
Instrument :
MSVOA_N
ClientSampleId :

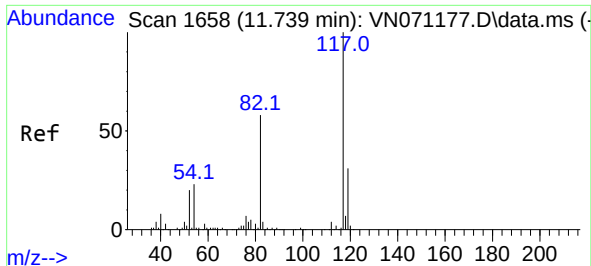
Tgt Ion: 43 Resp: 1181579
Ion Ratio Lower Upper
43 100
58 17.5 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.117 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

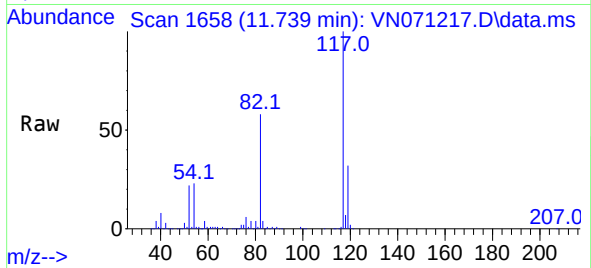
Tgt Ion: 95 Resp: 547666
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.9 0.0 181.4





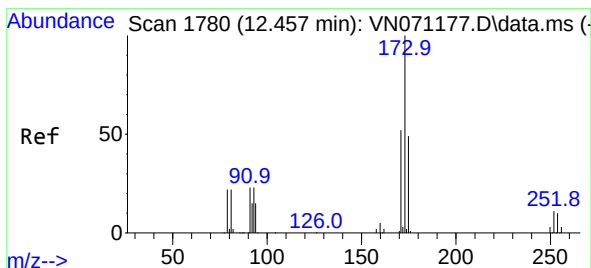
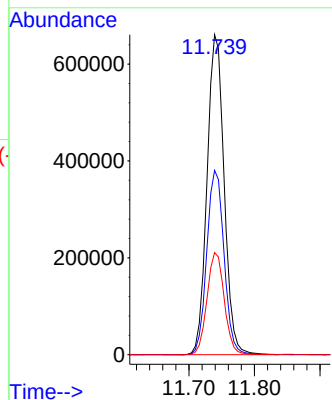
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1200865

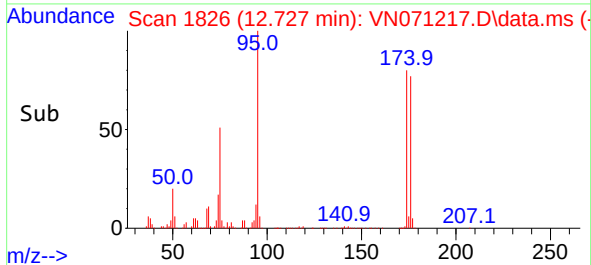
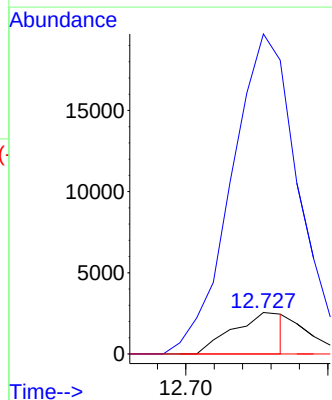
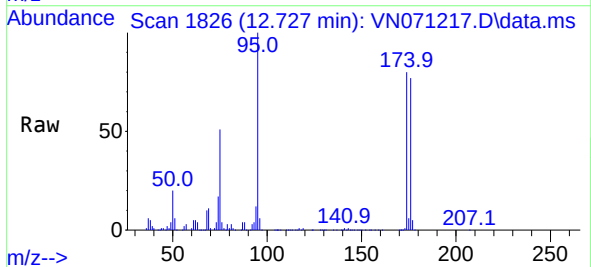
Ion	Ratio	Lower	Upper
117	100		
82	57.6	42.4	63.6
119	31.9	25.4	38.2

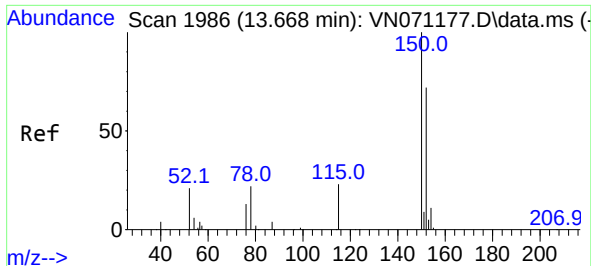


#71
Bromoform
Concen: 0.447 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Tgt Ion:173 Resp: 3210

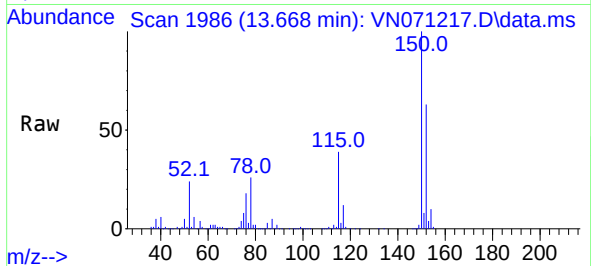
Ion	Ratio	Lower	Upper
173	100		
175	789.3	24.2	72.6#
254	0.0	0.0	0.0



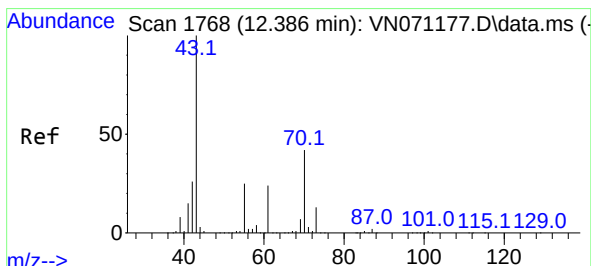
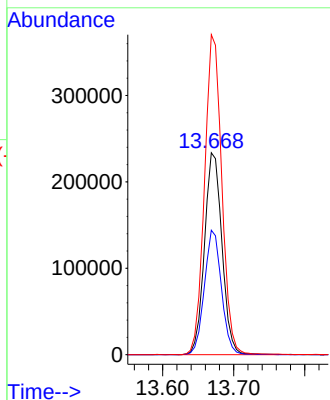
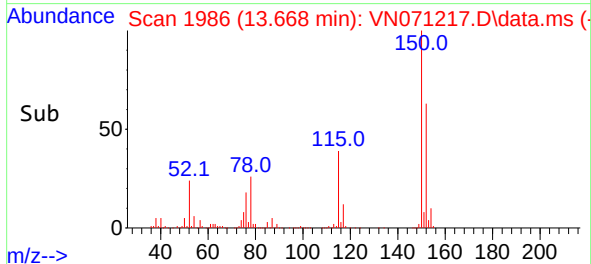


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

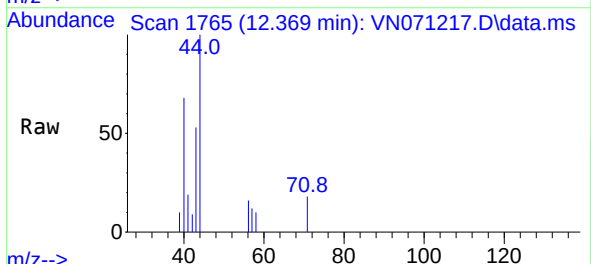
Instrument :
MSVOA_N
ClientSampleId :



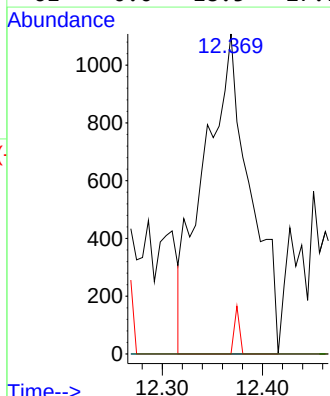
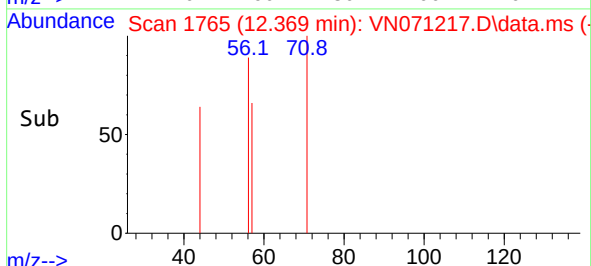
Tgt Ion:152 Resp: 400620
Ion Ratio Lower Upper
152 100
115 60.2 27.5 82.5
150 156.5 0.0 344.4

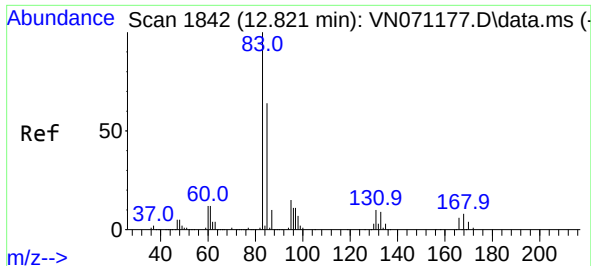


#74
N-ethyl acetate
Concen: 0.244 ug/l
RT: 12.369 min Scan# 1765
Delta R.T. -0.017 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09



Tgt Ion: 43 Resp: 3550
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.0#
55 1.7 19.3 28.9#
61 0.0 18.5 27.7#

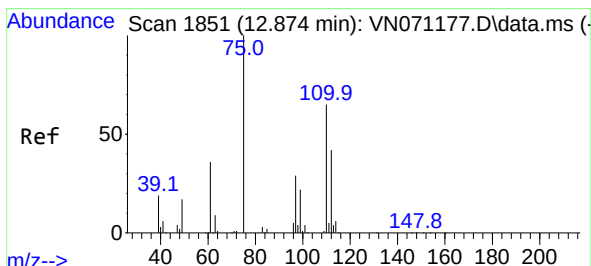
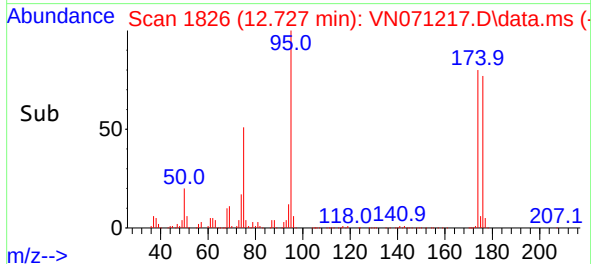
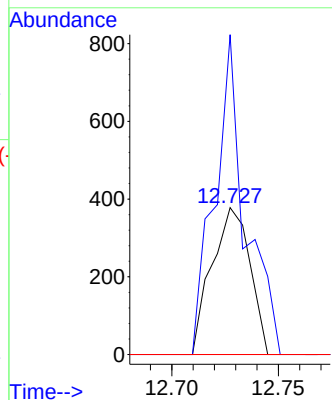
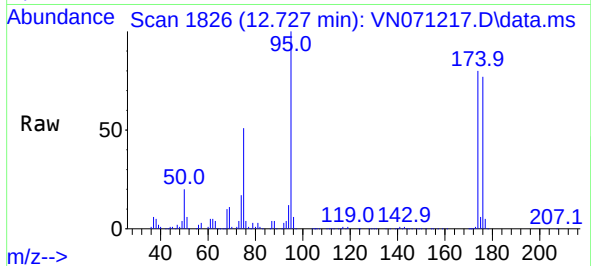




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

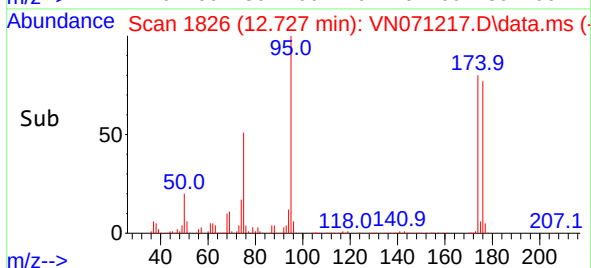
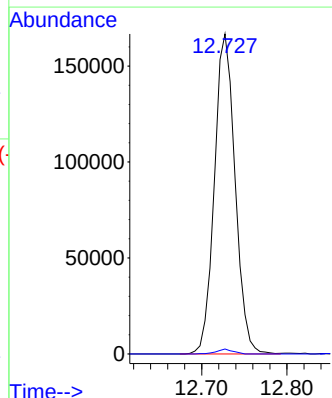
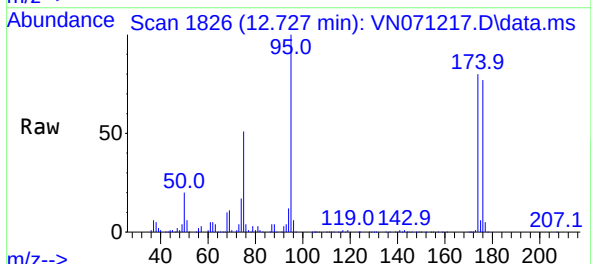
Instrument :
MSVOA_N
ClientSampleId :

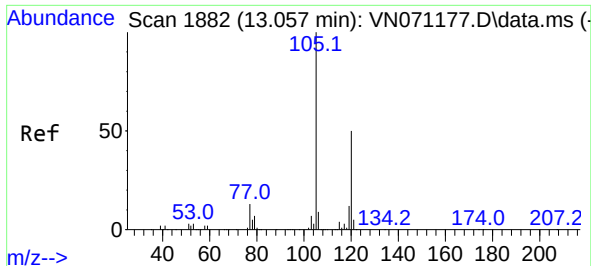
Tgt Ion: 83 Resp: 470
Ion Ratio Lower Upper
83 100
131 174.7 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.762 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

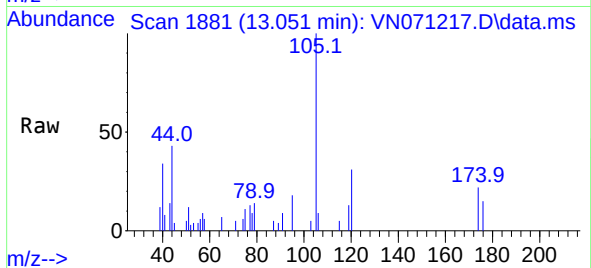
Tgt Ion: 75 Resp: 281748
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



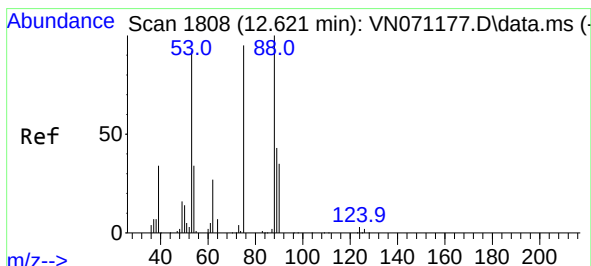
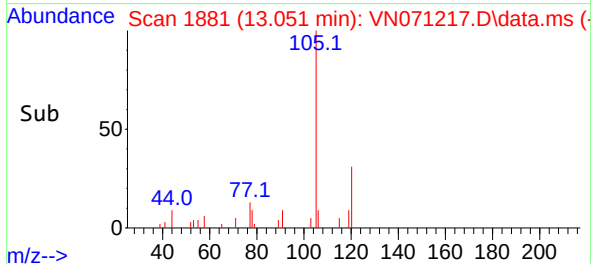
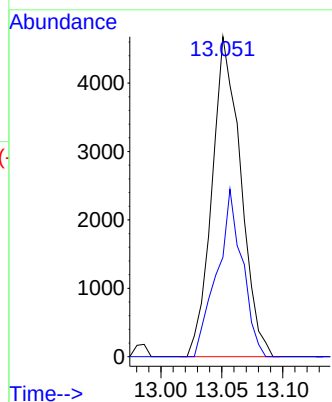


#80
1,3,5-Trimethylbenzene
Concen: 0.256 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

Instrument :
MSVOA_N
ClientSampleId :

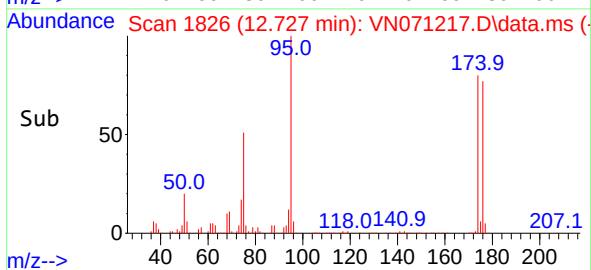
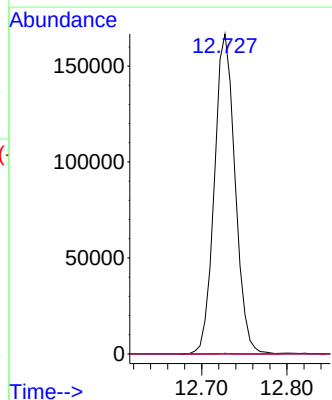
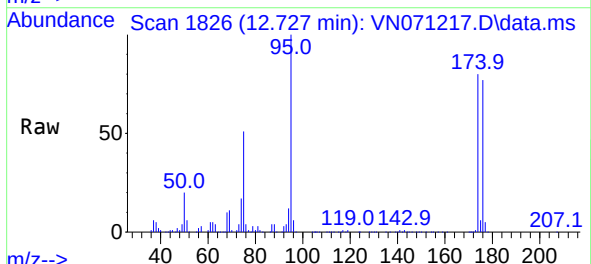


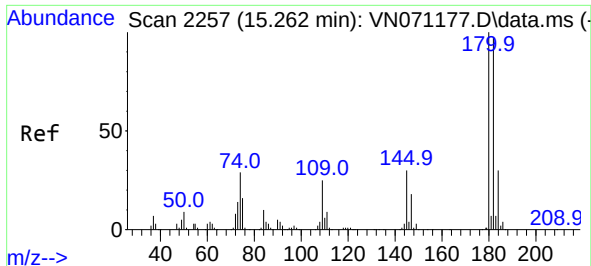
Tgt Ion:105 Resp: 7690
Ion Ratio Lower Upper
105 100
120 45.9 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 76.024 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

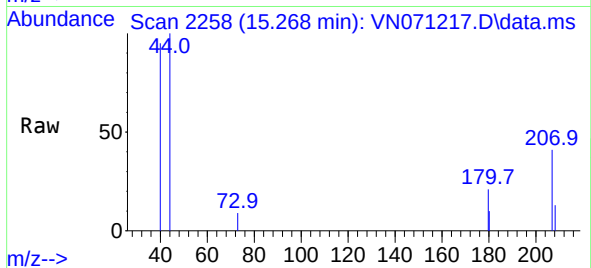
Tgt Ion: 75 Resp: 281748
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 38.2 57.4#



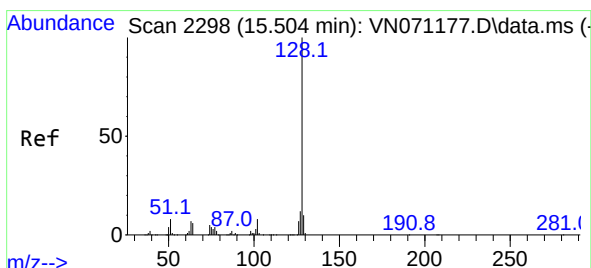
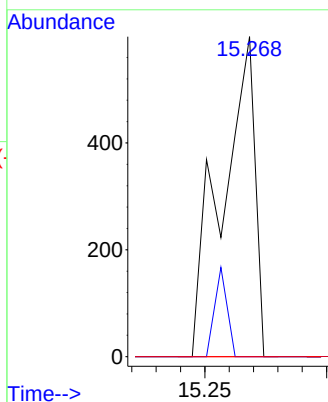
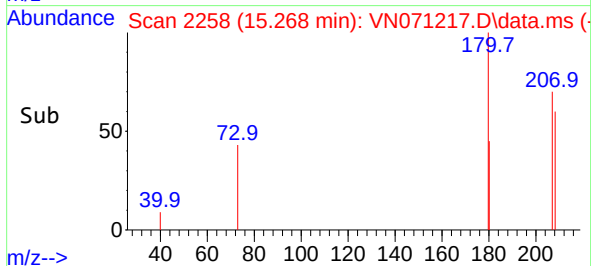


#93
1,2,4-Trichlorobenzene
Concen: 3.070 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09

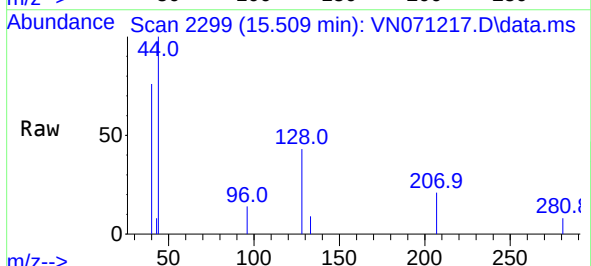
Instrument :
MSVOA_N
ClientSampleId :



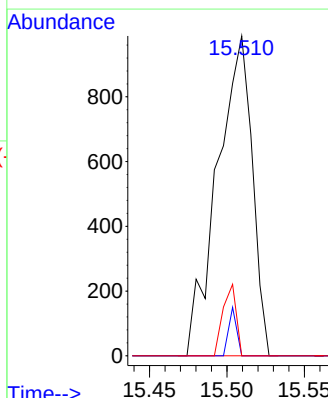
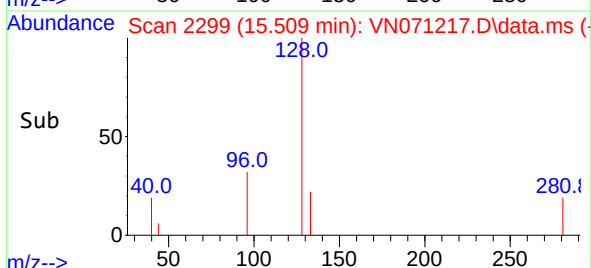
Tgt Ion:180 Resp: 567
Ion Ratio Lower Upper
180 100
182 10.4 48.3 144.9#
145 0.0 14.5 43.5#

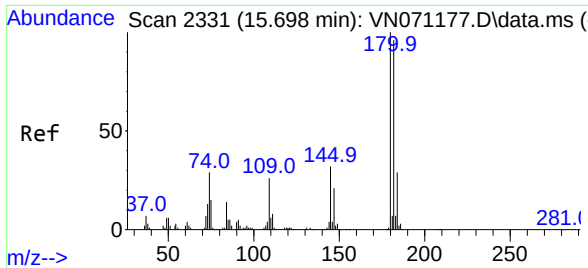


#95
Naphthalene
Concen: 5.143 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.005 min
Lab File: VN071217.D
Acq: 09 Mar 2022 18:09



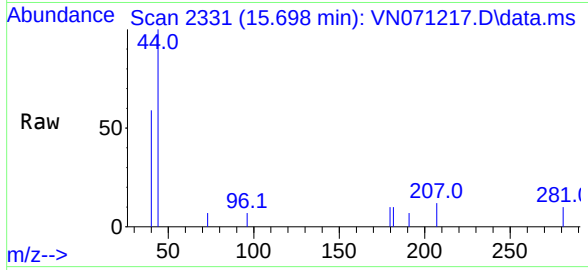
Tgt Ion:128 Resp: 1542
Ion Ratio Lower Upper
128 100
127 3.4 10.5 15.7#
129 8.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.776 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071217.D
 Acq: 09 Mar 2022 18:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	293
Ion	Ratio	Lower	Upper
180	100		
182	68.6	47.4	142.2
145	0.0	15.0	45.1#

