

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071080.D
 Acq On : 25 Feb 2022 19:22
 Operator : JC\MD
 Sample : N1664-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Feb 26 03:44:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

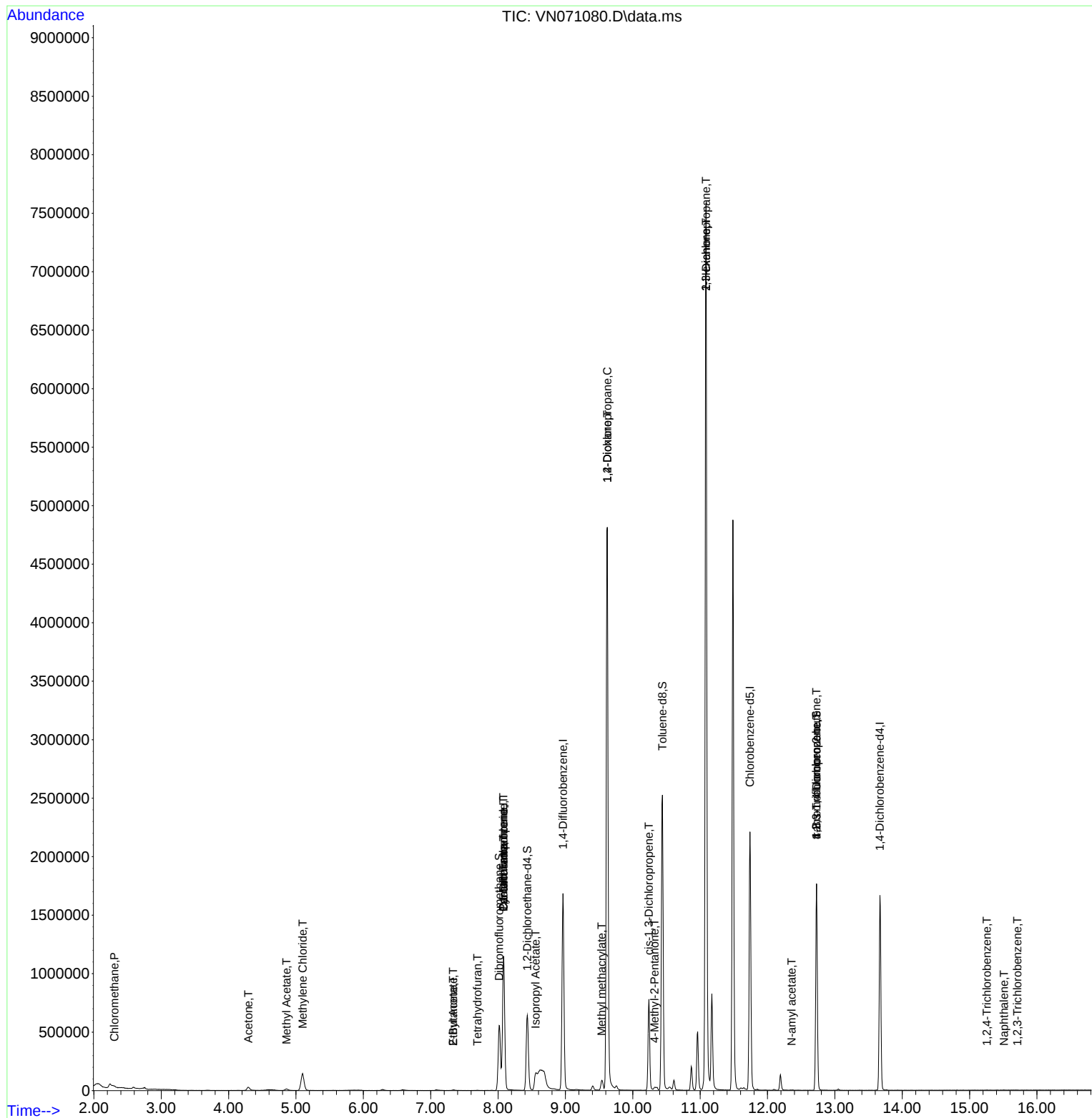
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	904427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1448721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1289765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	464019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	538706	52.142	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.280%	
35) Dibromofluoromethane	8.016	113	418223	48.535	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.060%	
50) Toluene-d8	10.439	98	1768993	51.119	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.240%	
62) 4-Bromofluorobenzene	12.727	95	604096	48.838	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.680%	
Target Compounds						Qvalue
3) Chloromethane	2.304	50	2747	0.233	ug/l	92
16) Acetone	4.293	43	49338	8.671	ug/l	99
18) Methyl Acetate	4.857	43	30022	1.829	ug/l	94
20) Methylene Chloride	5.098	84	112797	10.908	ug/l	91
25) 2-Butanone	7.334	43	11146	1.473	ug/l #	82
29) Tetrahydrofuran	7.692	42	1983	0.404	ug/l #	62
31) Cyclohexane	8.081	56	17951	1.005	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	67905	4.810	ug/l #	49
37) Ethyl Acetate	7.334	43	11146	0.736	ug/l #	68
38) Carbon Tetrachloride	8.081	117	86881	6.246	ug/l #	18
43) Isopropyl Acetate	8.557	43	201299	8.435	ug/l #	74
45) 1,2-Dichloropropane	9.622	63	6147	0.575	ug/l #	44
48) Methyl methacrylate	9.539	41	24188	2.141	ug/l #	8
49) 1,4-Dioxane	9.622	88	849	4.232	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	17906	1.233	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	137562	8.097	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	80627	4.538	ug/l #	43
59) 2-Hexanone	11.086	43	1242429	124.415	ug/l #	50
74) N-amyl acetate	12.357	43	3430	0.287	ug/l #	44
76) 1,2,3-Trichloropropane	12.727	75	305004	27.917	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	305004	90.464	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	584	2.065	ug/l #	69
95) Naphthalene	15.509	128	1748	5.065	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.709	180	533	2.580	ug/l #	74

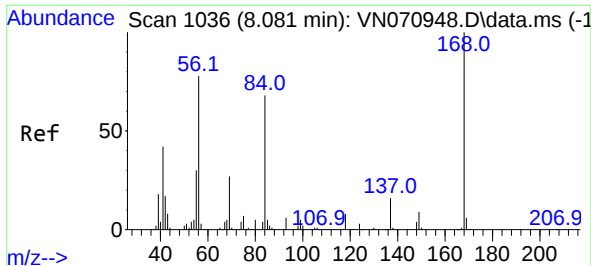
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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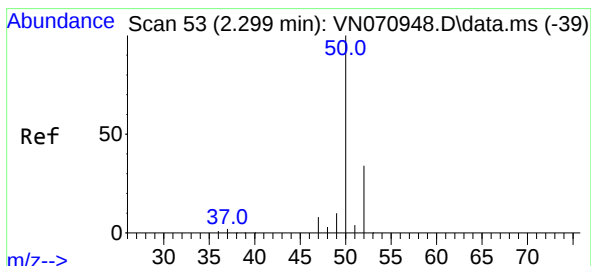
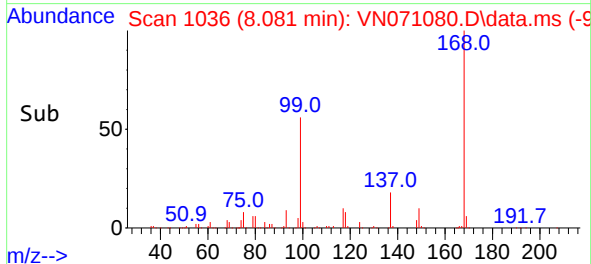
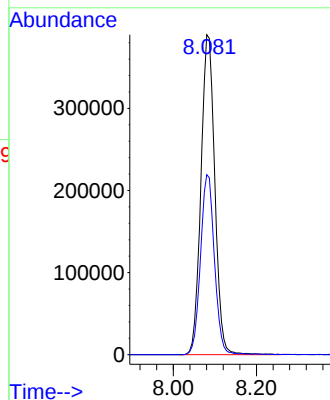
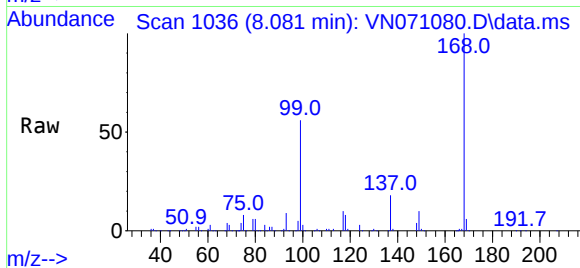




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

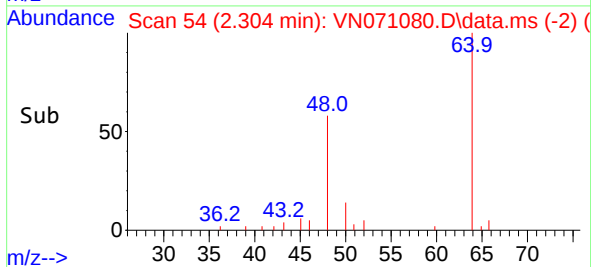
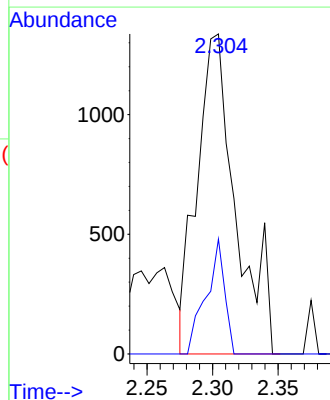
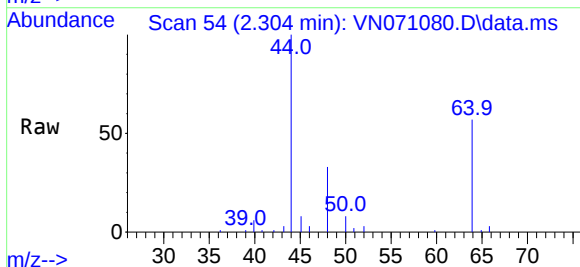
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MSVOA_N
ClientSampleId :
TP-8

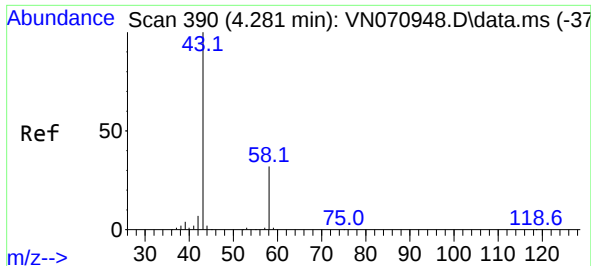
Tgt Ion:168 Resp: 904427
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 50 Resp: 2747
Ion Ratio Lower Upper
50 100
52 35.9 25.4 38.0

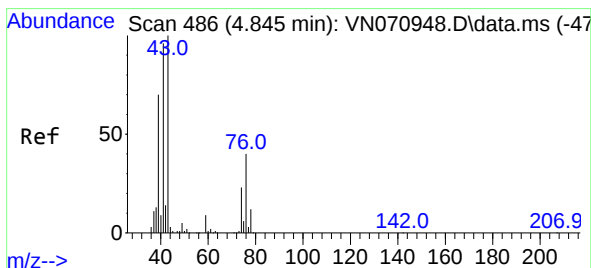
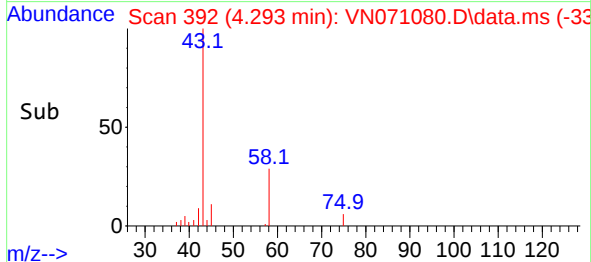
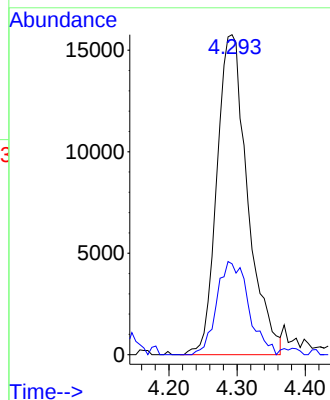
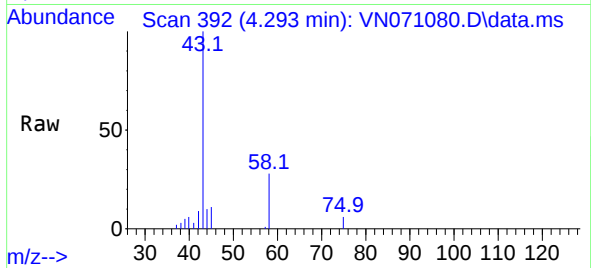




#16
Acetone
Concen: 8.671 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

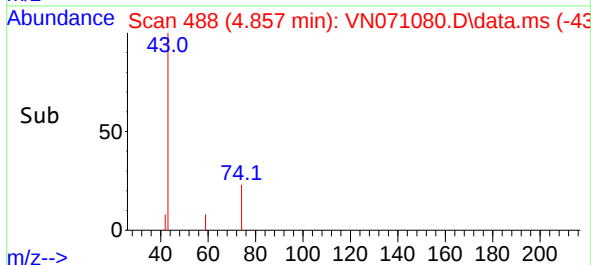
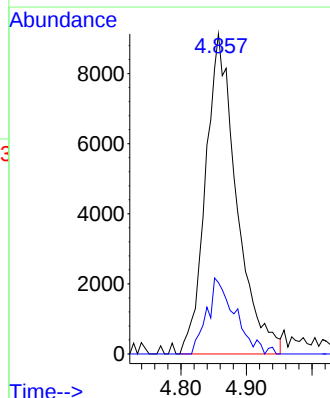
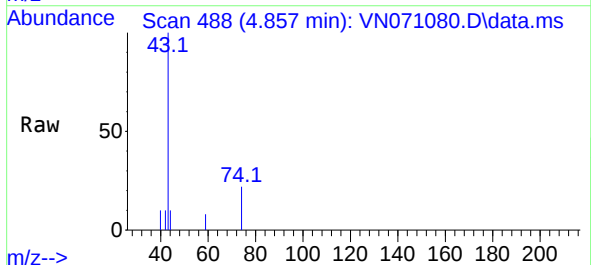
Instrument :
MSVOA_N
ClientSampleId :
TP-8

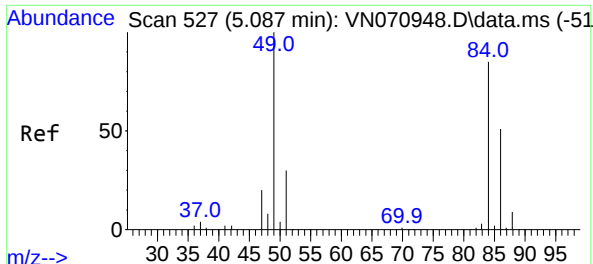
Tgt Ion: 43 Resp: 49338
Ion Ratio Lower Upper
43 100
58 28.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.829 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 43 Resp: 30022
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2



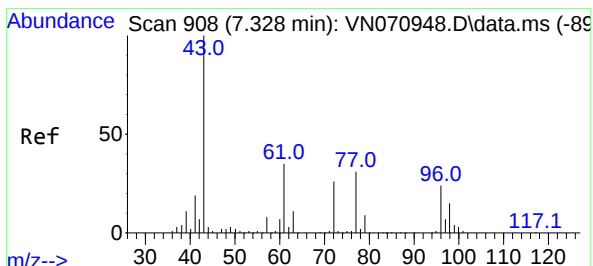
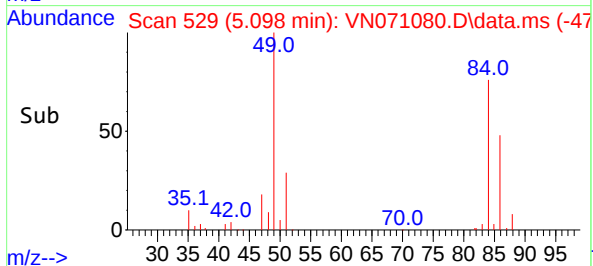
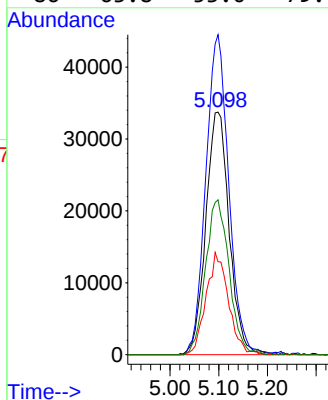
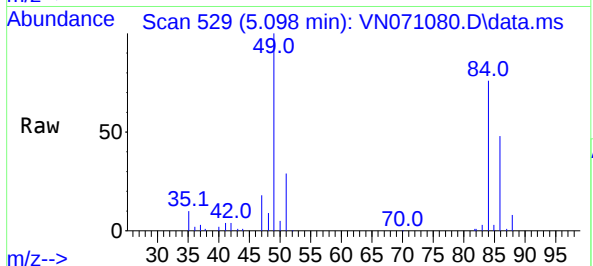


#20
Methylene Chloride
Concen: 10.908 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :
TP-8

Tgt Ion: 84 Resp: 112797

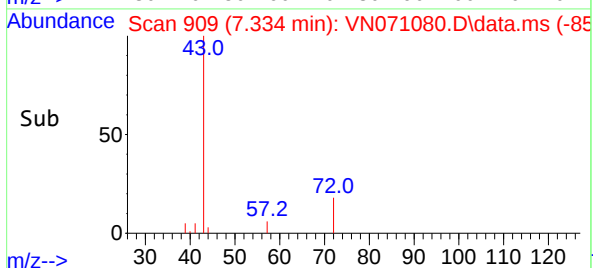
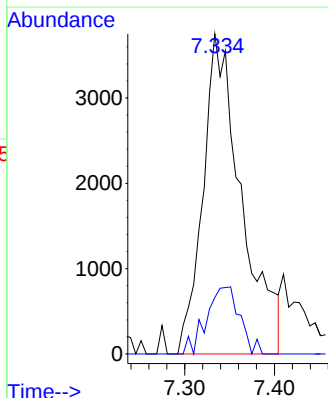
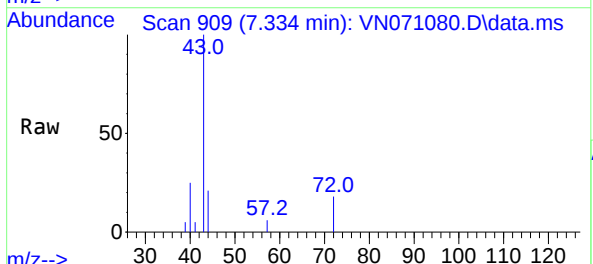
Ion	Ratio	Lower	Upper
84	100		
49	131.9	93.5	140.3
51	38.3	29.4	44.2
86	63.8	53.0	79.4

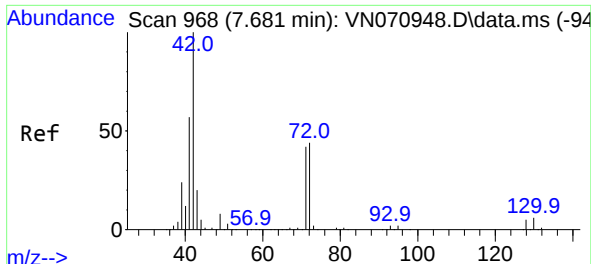


#25
2-Butanone
Concen: 1.473 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 43 Resp: 11146

Ion	Ratio	Lower	Upper
43	100		
72	17.6	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.404 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071080.D

Acq: 25 Feb 2022 19:22

Instrument :

MSVOA_N

ClientSampleId :

TP-8

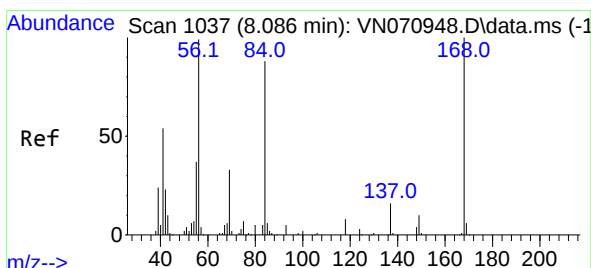
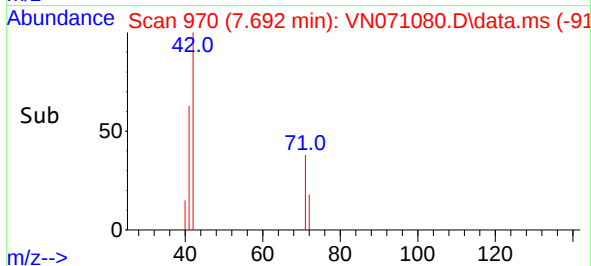
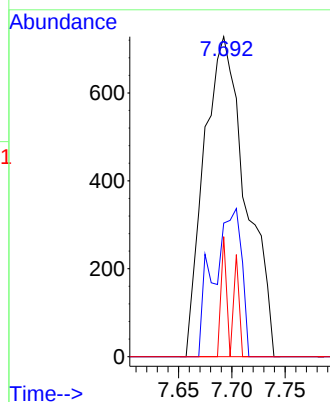
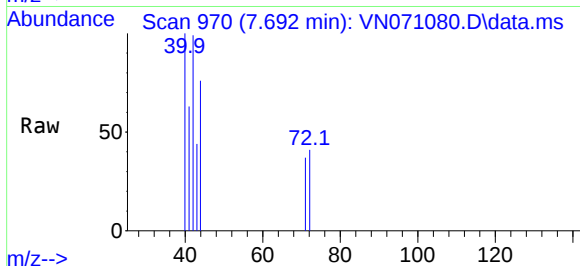
Tgt Ion: 42 Resp: 1983

Ion Ratio Lower Upper

42 100

72 30.8 36.3 54.5#

71 9.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071080.D

Acq: 25 Feb 2022 19:22

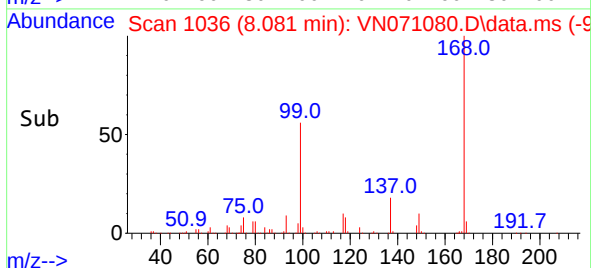
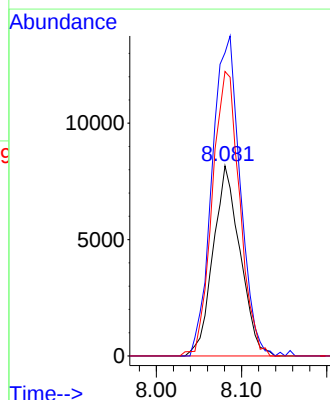
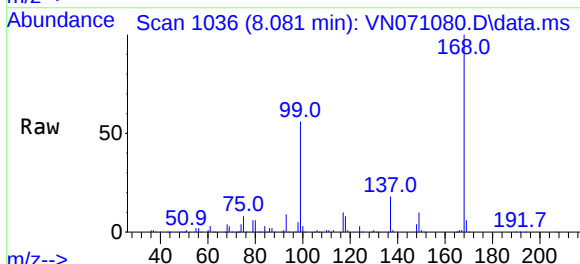
Tgt Ion: 56 Resp: 17951

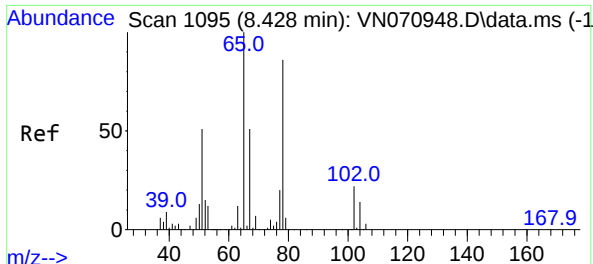
Ion Ratio Lower Upper

56 100

69 159.5 27.1 40.7#

84 149.7 73.4 110.0#

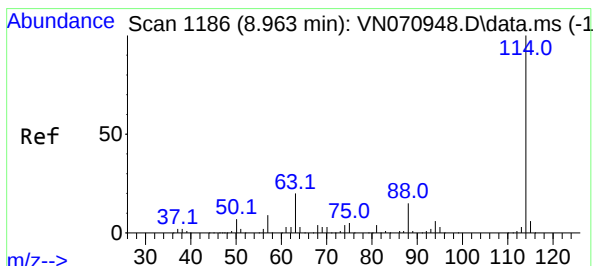
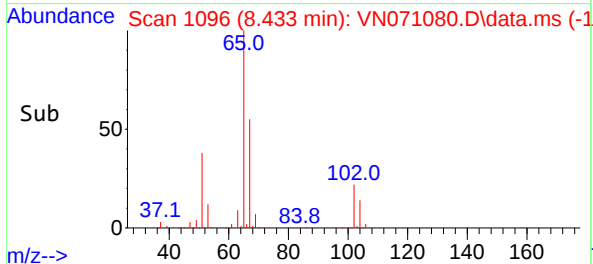
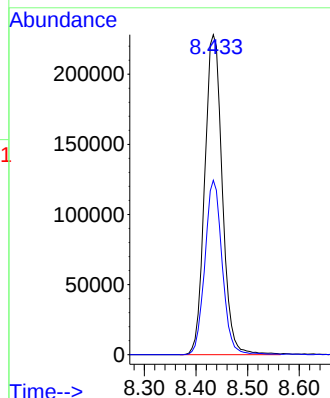
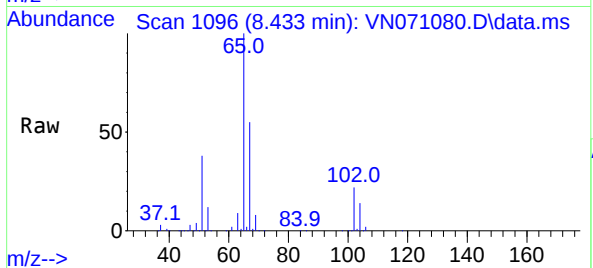




#33
1,2-Dichloroethane-d4
Concen: 52.142 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

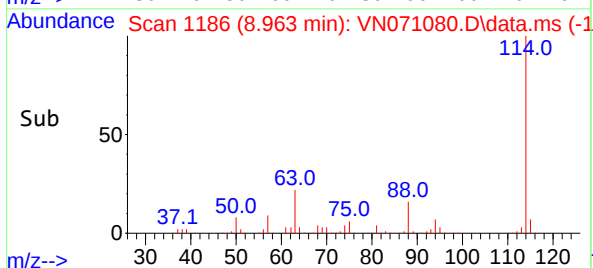
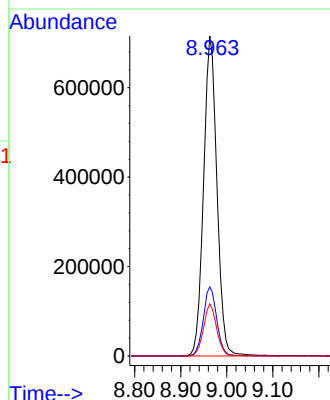
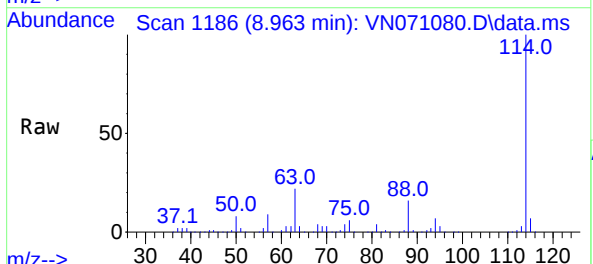
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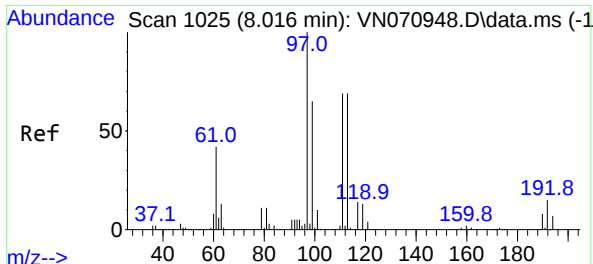
Tgt Ion: 65 Resp: 538706
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 114 Resp: 1448721
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 16.3 0.0 27.4

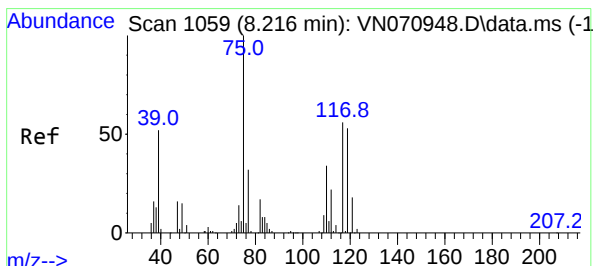
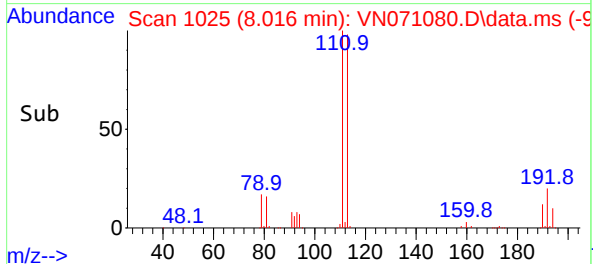
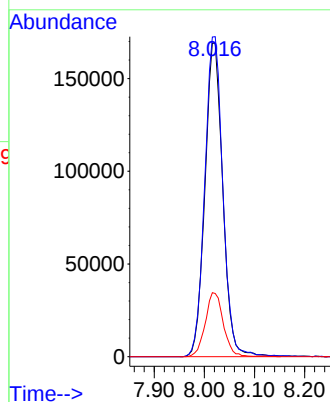
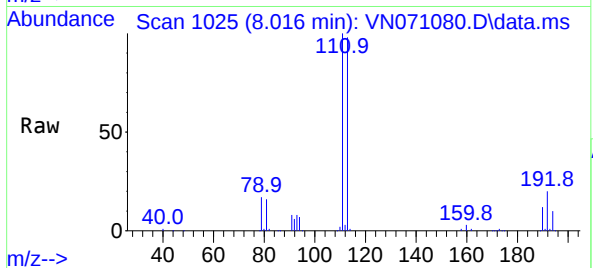




#35
Dibromofluoromethane
Concen: 48.535 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

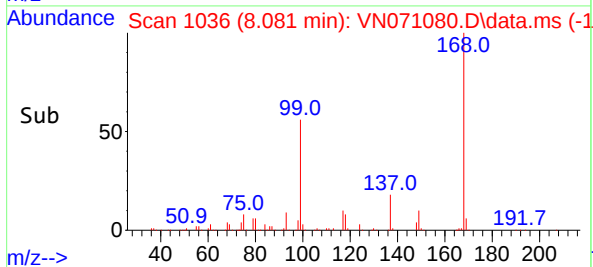
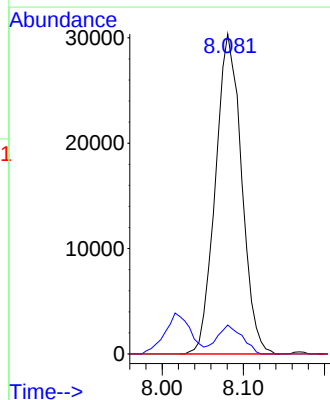
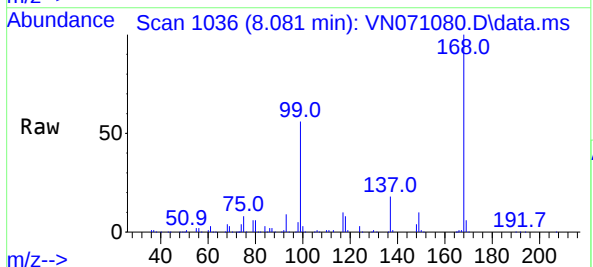
Instrument :
MSVOA_N
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TP-8

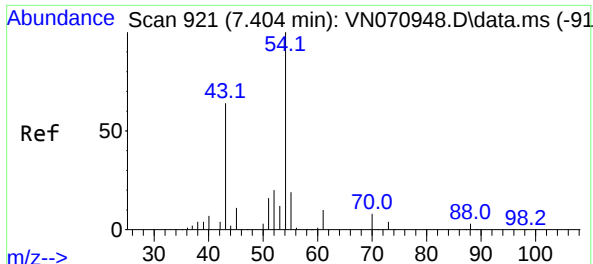
Tgt Ion:113 Resp: 418223
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 75 Resp: 67905
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#

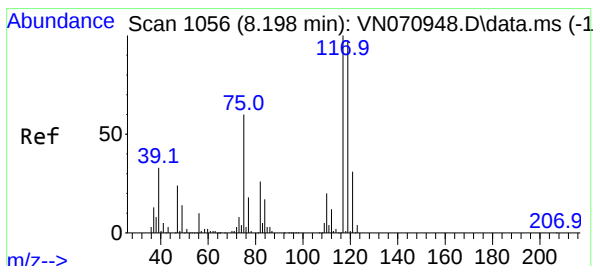
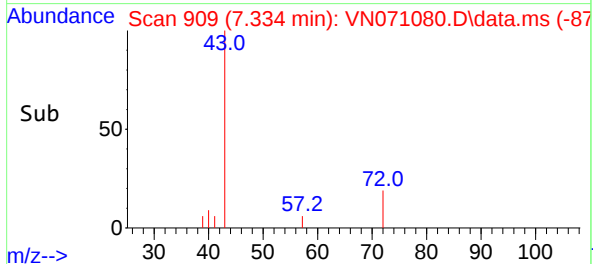
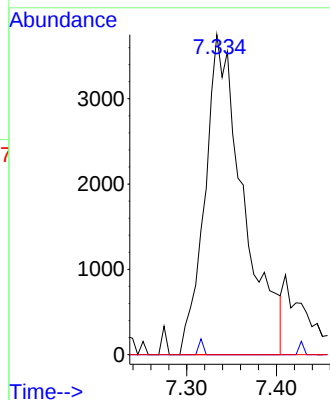
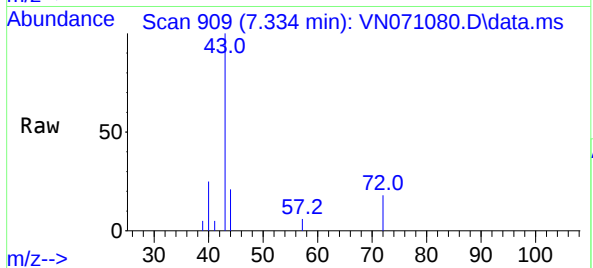




#37
Ethyl Acetate
Concen: 0.736 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

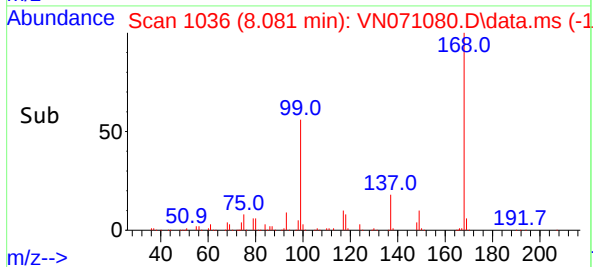
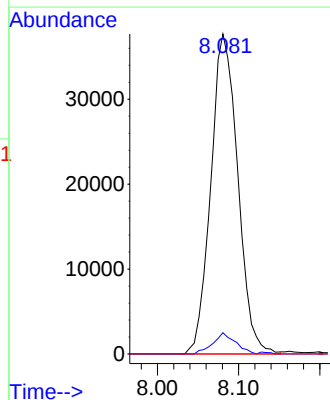
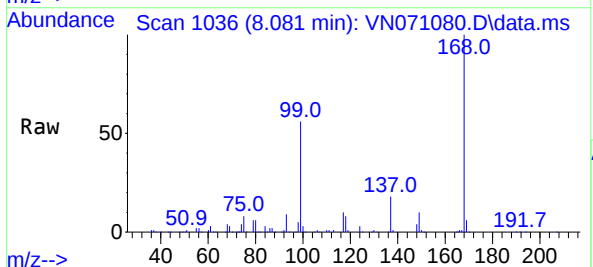
Instrument :
MSVOA_N
ClientSampleId :
TP-8

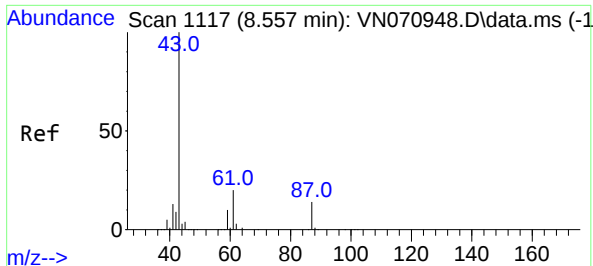
Tgt Ion: 43 Resp: 11146
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.246 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 117 Resp: 86881
Ion Ratio Lower Upper
117 100
119 6.6 76.1 114.1#
121 0.0 24.2 36.2#

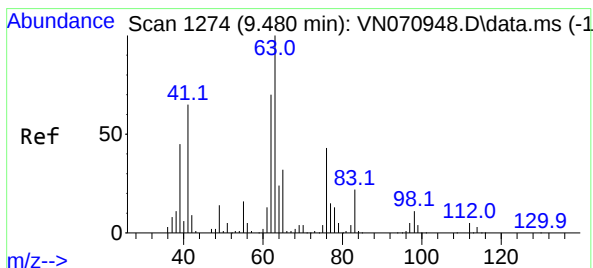
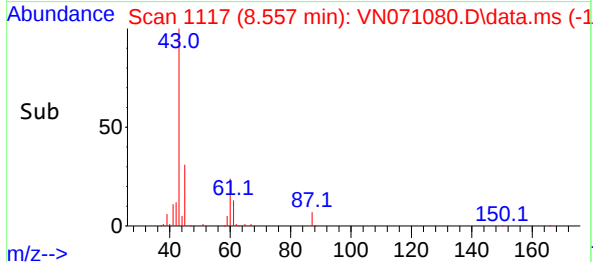
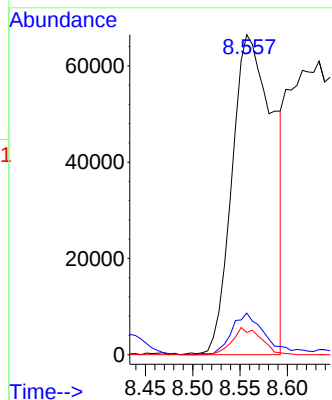
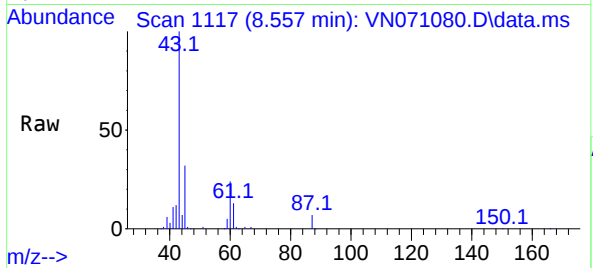




#43
Isopropyl Acetate
Concen: 8.435 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

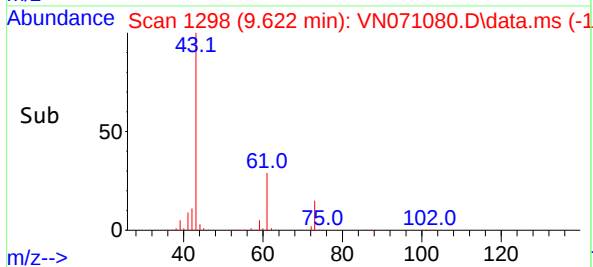
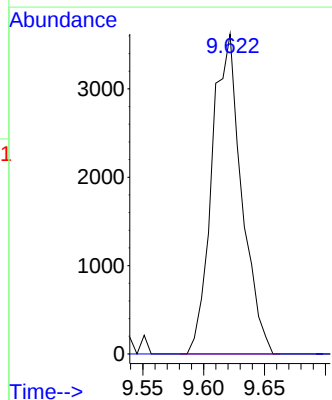
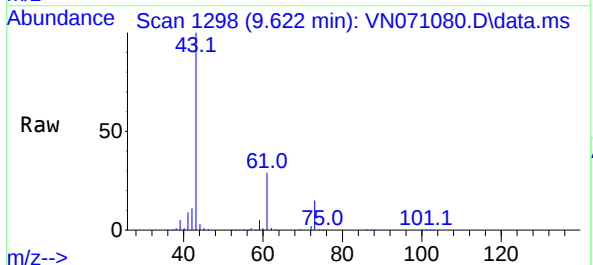
Instrument :
MSVOA_N
ClientSampleId :
TP-8

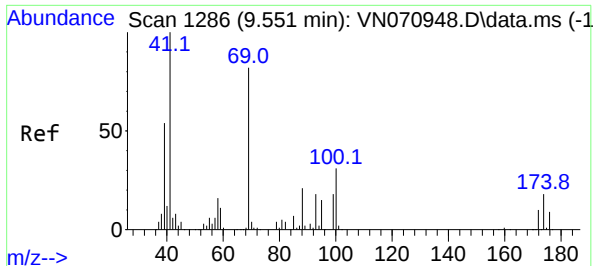
Tgt Ion: 43 Resp: 201299
Ion Ratio Lower Upper
43 100
61 10.8 20.4 30.6#
87 5.9 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.575 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.141 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 63 Resp: 6147
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.141 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071080.D

Acq: 25 Feb 2022 19:22

Instrument :

MSVOA_N

ClientSampleId :

TP-8

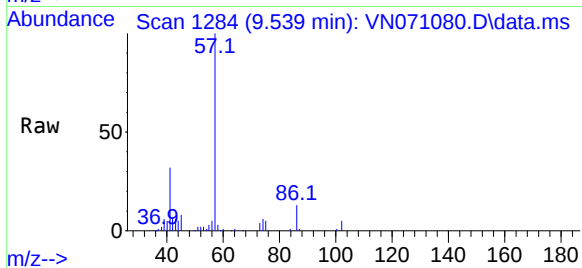
Tgt Ion: 41 Resp: 24188

Ion Ratio Lower Upper

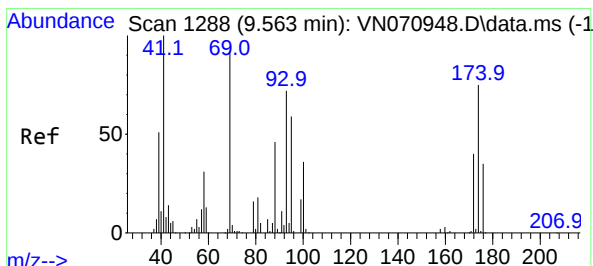
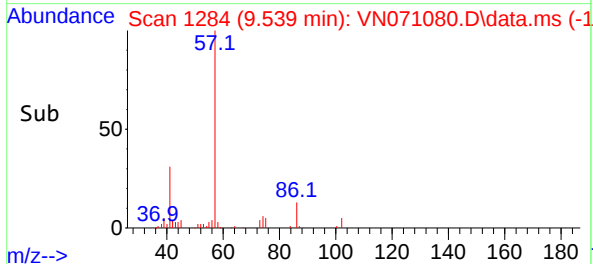
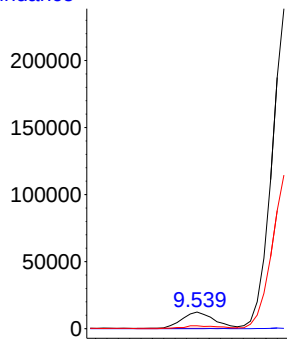
41 100

69 0.5 72.4 108.6#

39 0.0 58.4 87.6#



Abundance



#49

1,4-Dioxane

Concen: 4.232 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071080.D

Acq: 25 Feb 2022 19:22

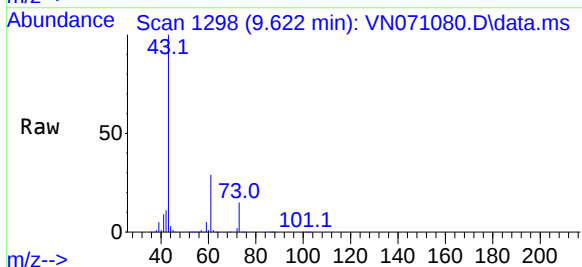
Tgt Ion: 88 Resp: 849

Ion Ratio Lower Upper

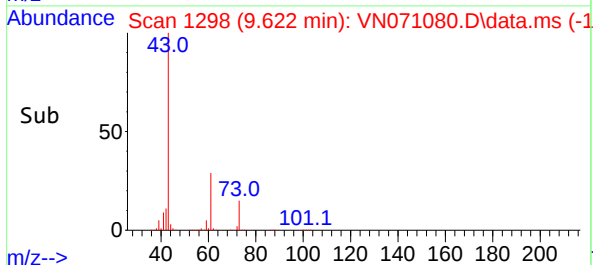
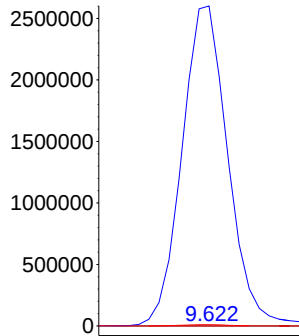
88 100

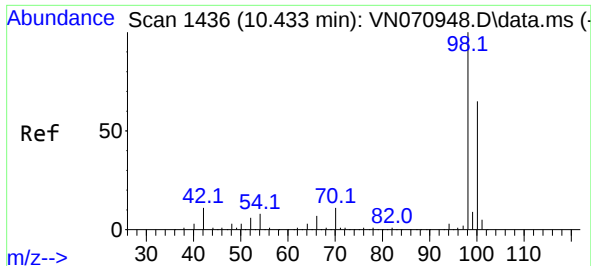
43 580577.9 23.4 35.2#

58 2441.2 50.6 75.8#



Abundance

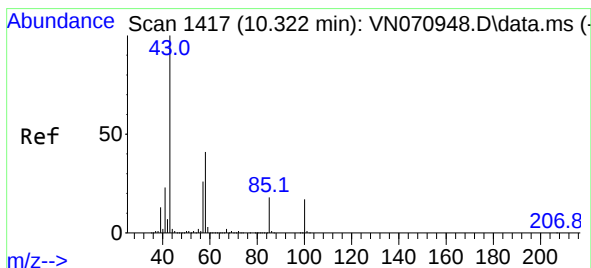
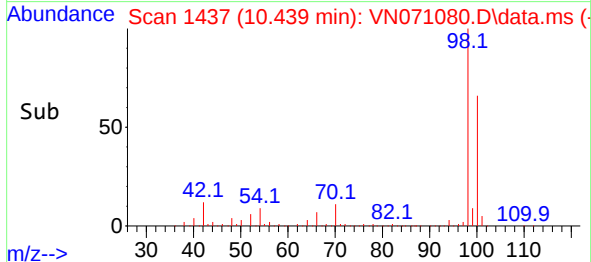
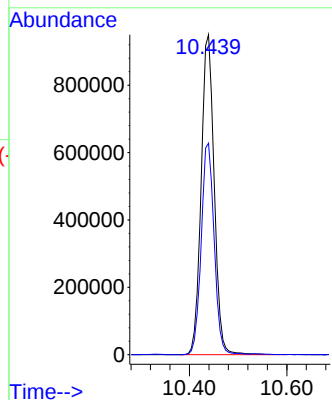
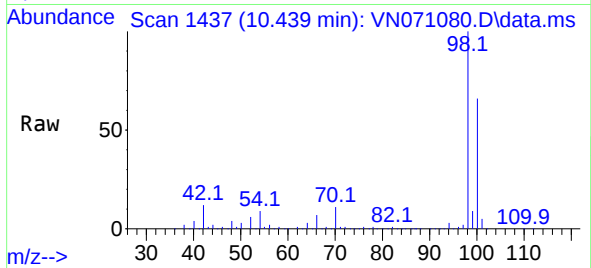




#50
Toluene-d8
Concen: 51.119 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

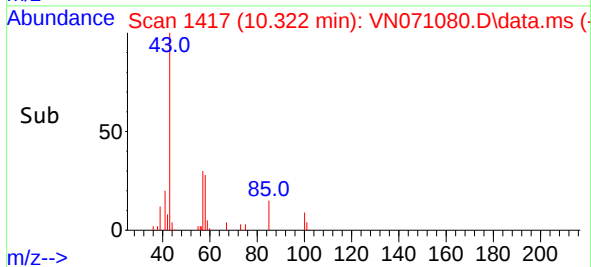
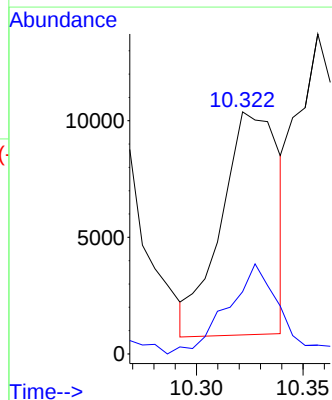
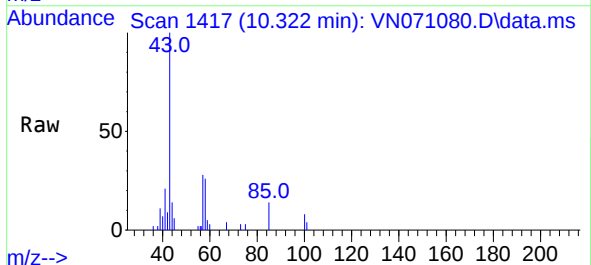
Instrument :
MSVOA_N
ClientSampleId :
TP-8

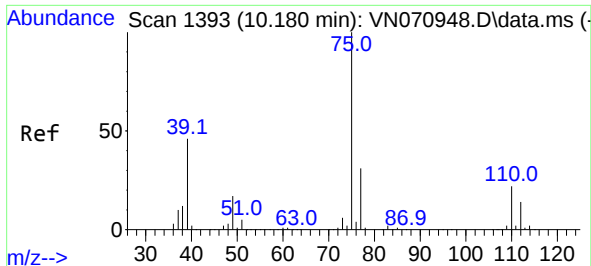
Tgt Ion: 98 Resp: 1768993
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 43 Resp: 17906
Ion Ratio Lower Upper
43 100
58 36.8 30.4 45.6

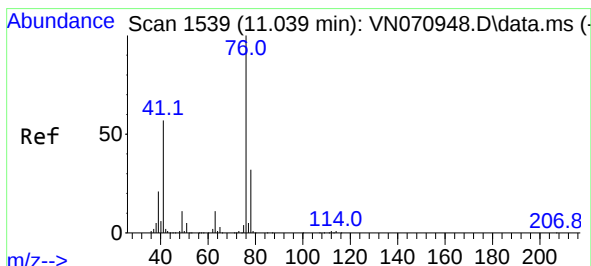
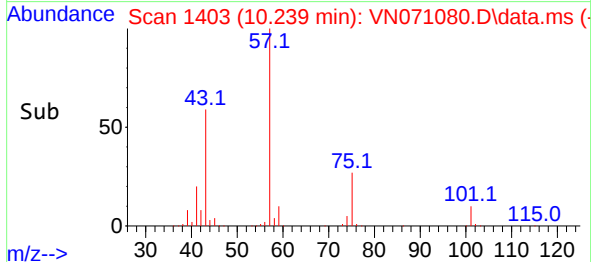
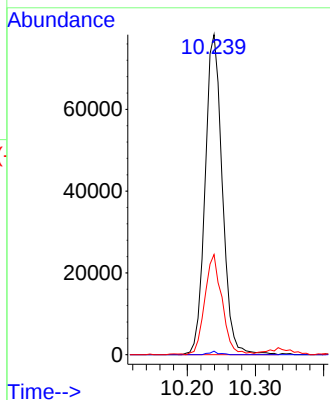
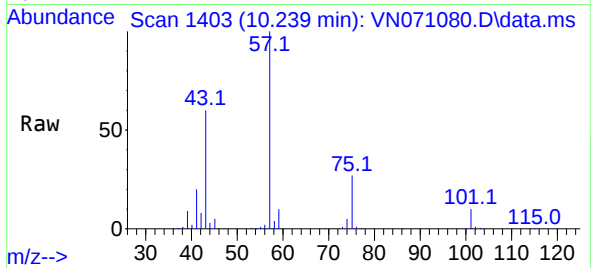




#54
 cis-1,3-Dichloropropene
 Concen: 8.097 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN071080.D
 Acq: 25 Feb 2022 19:22

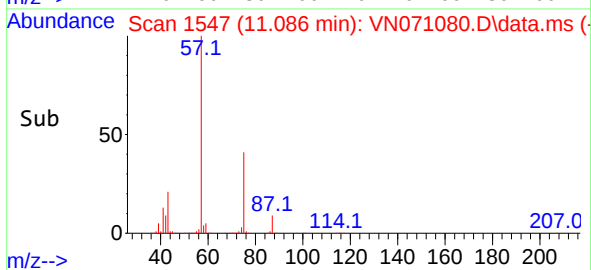
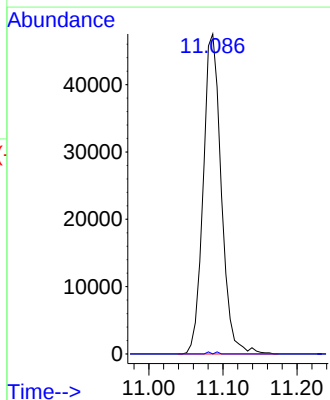
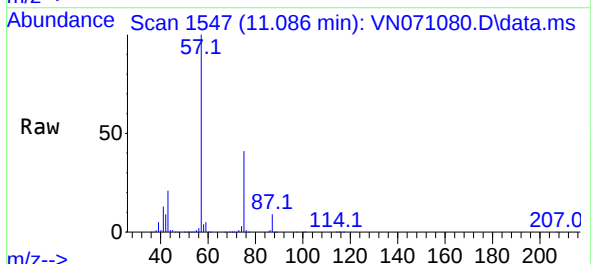
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

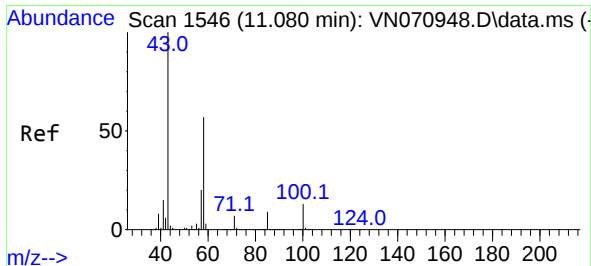
Tgt Ion: 75 Resp: 137562
 Ion Ratio Lower Upper
 75 100
 77 1.1 26.4 39.6#
 39 31.1 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.538 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071080.D
 Acq: 25 Feb 2022 19:22

Tgt Ion: 76 Resp: 80627
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#

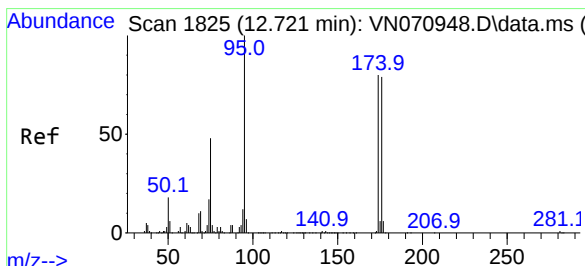
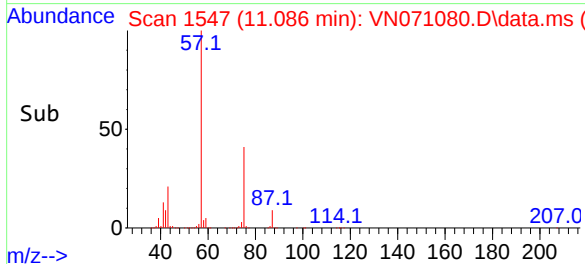
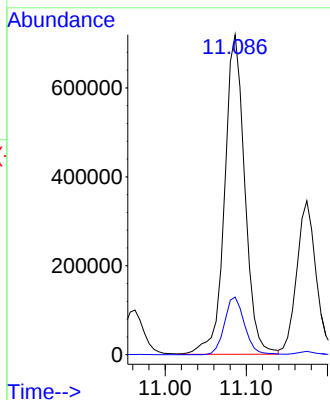
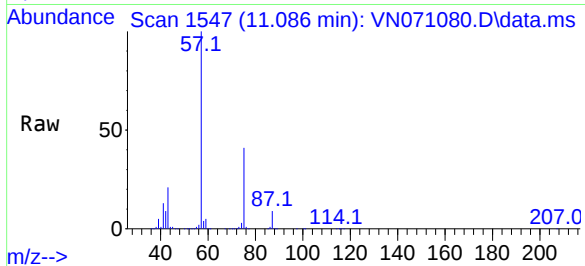




#59
2-Hexanone
Concen: 124.415 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

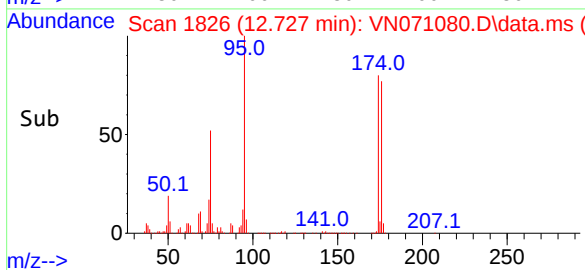
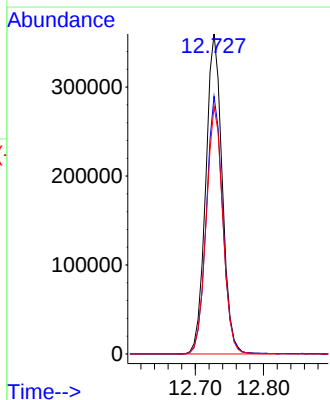
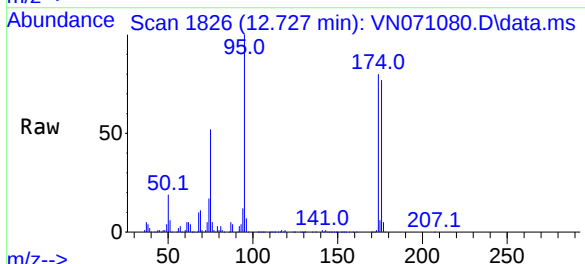
Instrument :
MSVOA_N
ClientSampleId :
TP-8

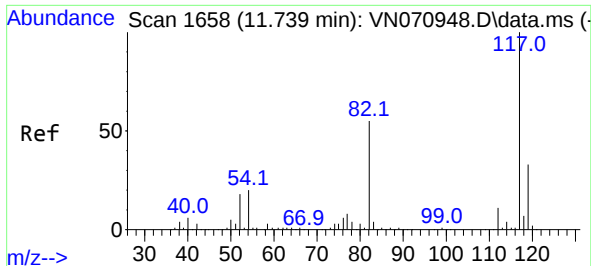
Tgt Ion: 43 Resp: 1242429
Ion Ratio Lower Upper
43 100
58 18.0 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.838 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 95 Resp: 604096
Ion Ratio Lower Upper
95 100
174 80.0 0.0 187.2
176 77.8 0.0 181.4

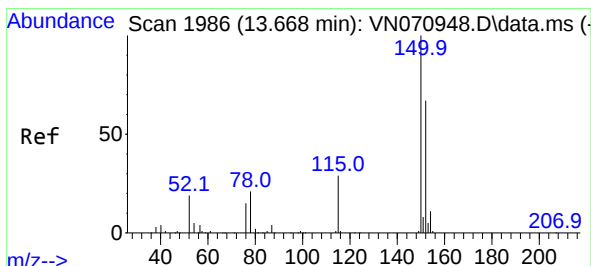
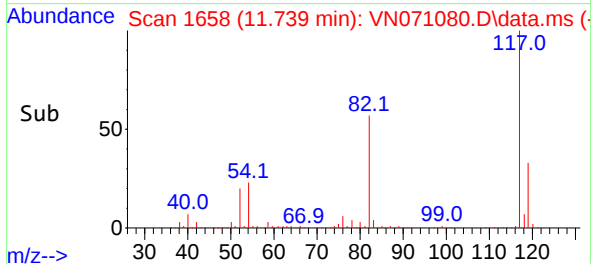
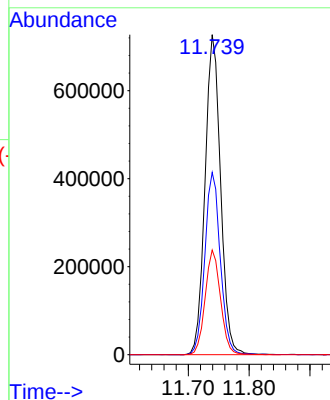
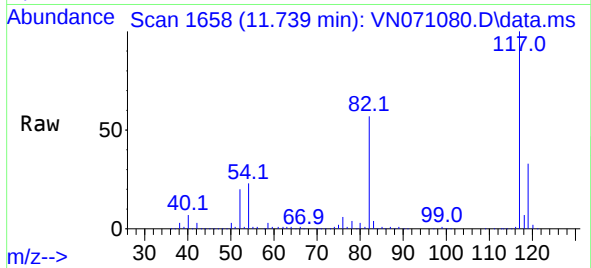




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

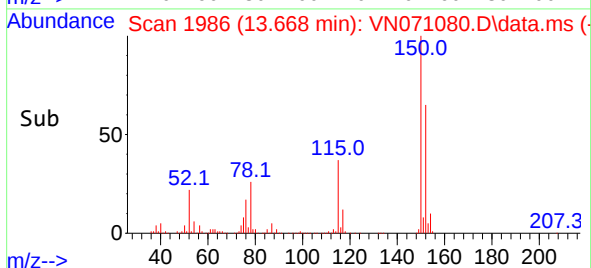
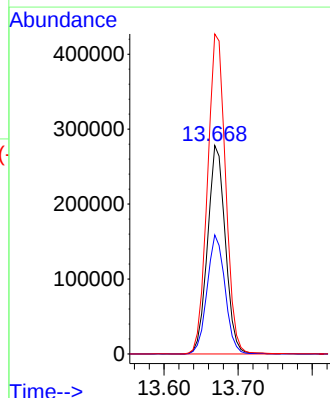
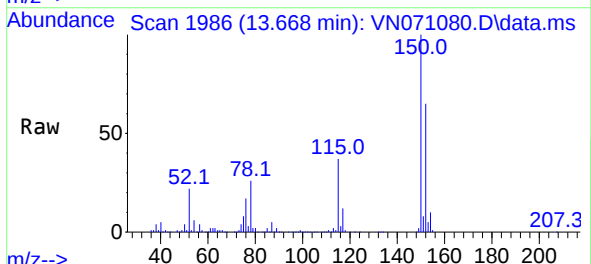
Instrument :
MSVOA_N
ClientSampleId :
TP-8

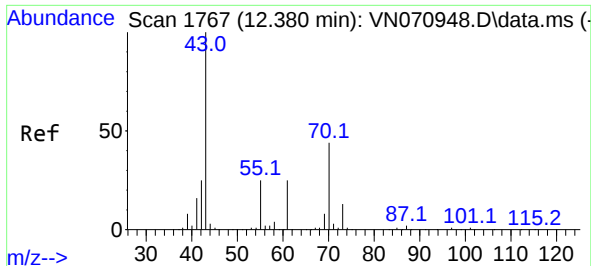
Tgt Ion:117 Resp: 1289765
Ion Ratio Lower Upper
117 100
82 57.0 42.4 63.6
119 32.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion:152 Resp: 464019
Ion Ratio Lower Upper
152 100
115 57.6 27.5 82.5
150 156.6 0.0 344.4

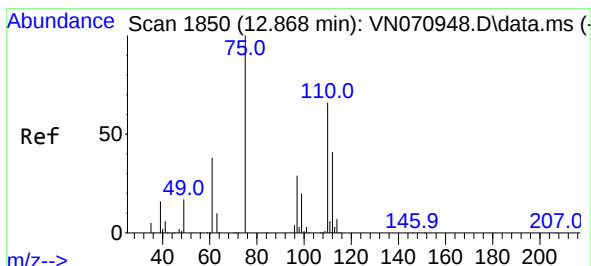
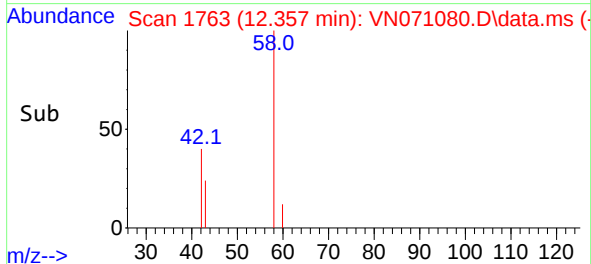
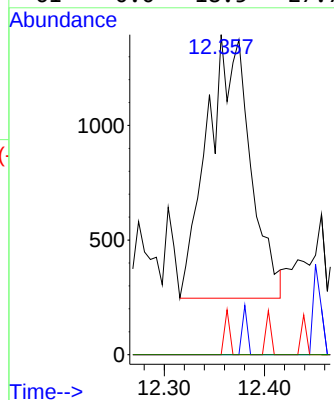
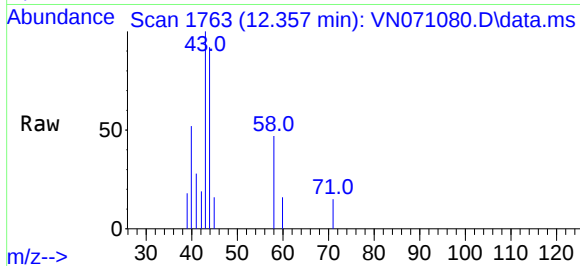




#74
N-amy1 acetate
Concen: 0.287 ug/l
RT: 12.357 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

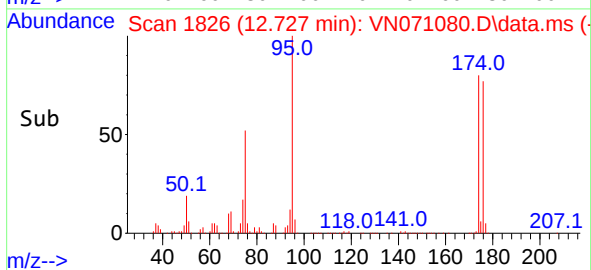
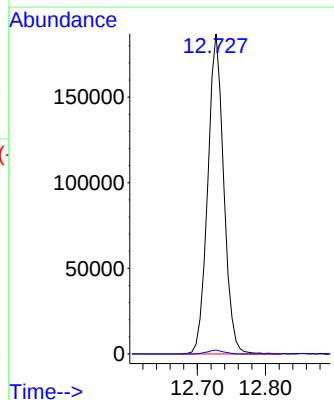
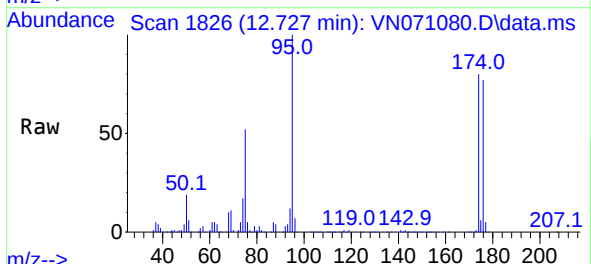
Instrument :
MSVOA_N
ClientSampleId :
TP-8

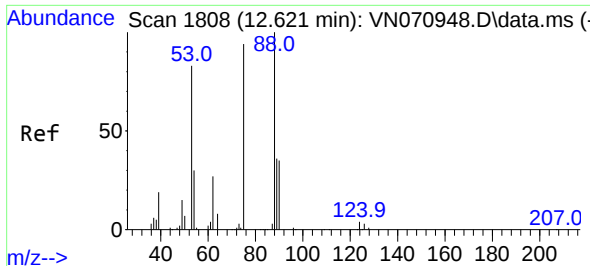
Tgt Ion: 43	Resp: 3430
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.0#
55 2.0	19.3 28.9#
61 0.0	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 27.917 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion: 75	Resp: 305004
Ion Ratio	Lower Upper
75 100	
77 1.2	82.6 247.8#

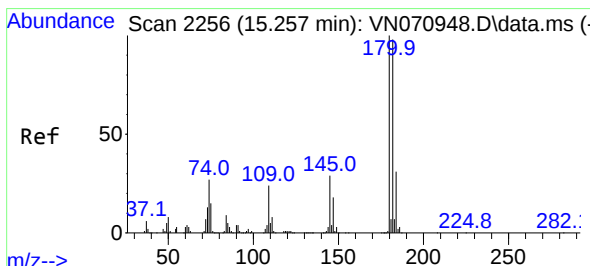
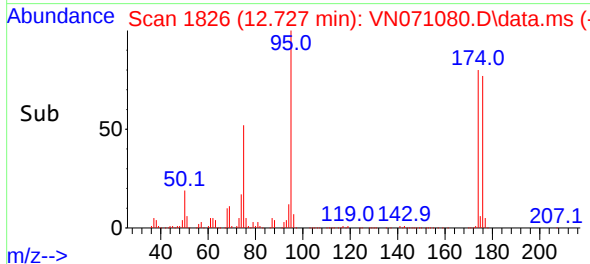
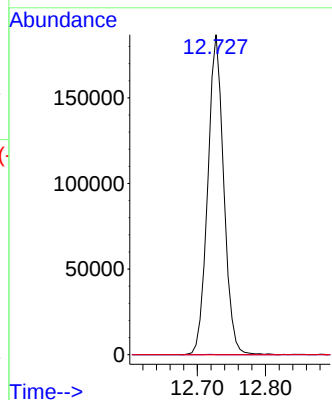
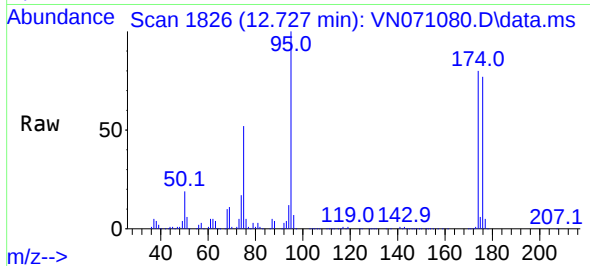




#81
trans-1,4-Dichloro-2-butene
Concen: 90.464 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

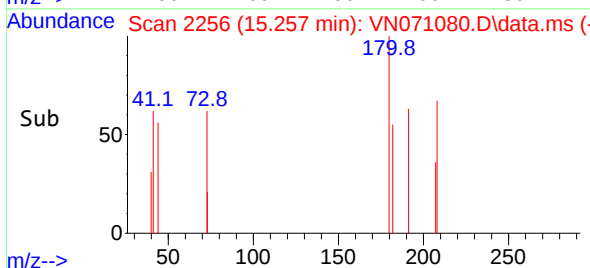
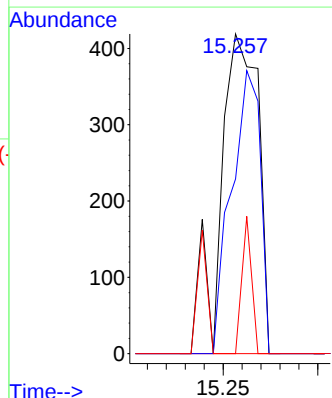
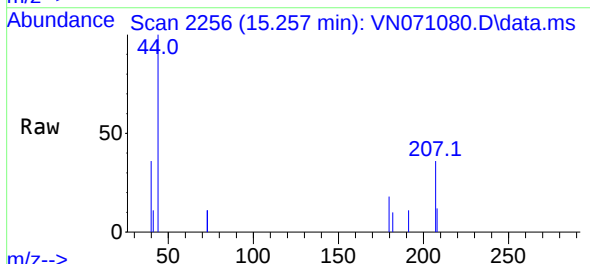
Instrument :
MSVOA_N
ClientSampleId :
TP-8

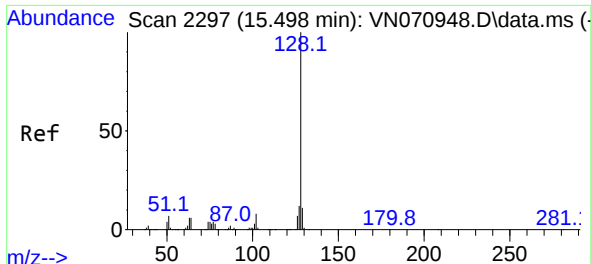
Tgt Ion: 75 Resp: 305004
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.065 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion:180 Resp: 584
Ion Ratio Lower Upper
180 100
182 67.5 48.3 144.9
145 11.0 14.5 43.5#

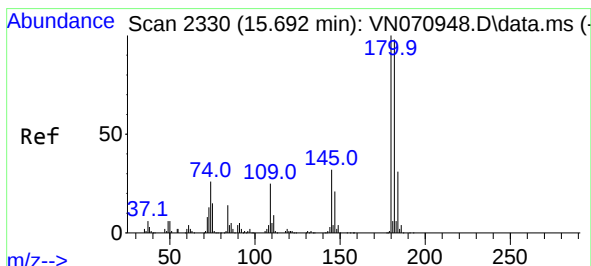
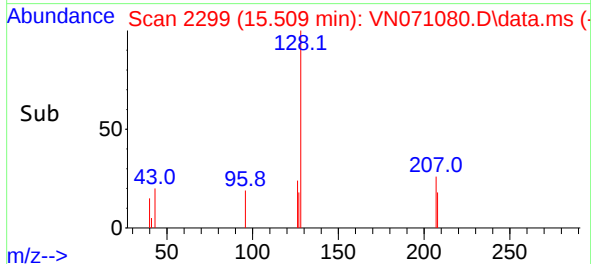
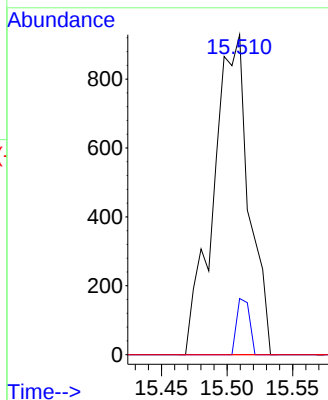
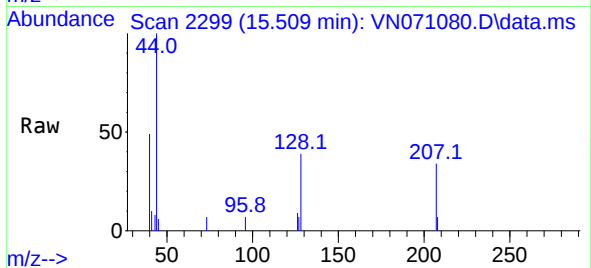




#95
Naphthalene
Concen: 5.065 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Instrument :
MSVOA_N
ClientSampleId :
TP-8

Tgt Ion:128 Resp: 1748
Ion Ratio Lower Upper
128 100
127 6.4 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.580 ug/l
RT: 15.709 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN071080.D
Acq: 25 Feb 2022 19:22

Tgt Ion:180 Resp: 533
Ion Ratio Lower Upper
180 100
182 72.2 47.4 142.2
145 12.4 15.0 45.1#

