

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071082.D
 Acq On : 25 Feb 2022 20:09
 Operator : JC\MD
 Sample : N1664-29
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Feb 26 03:45:25 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)

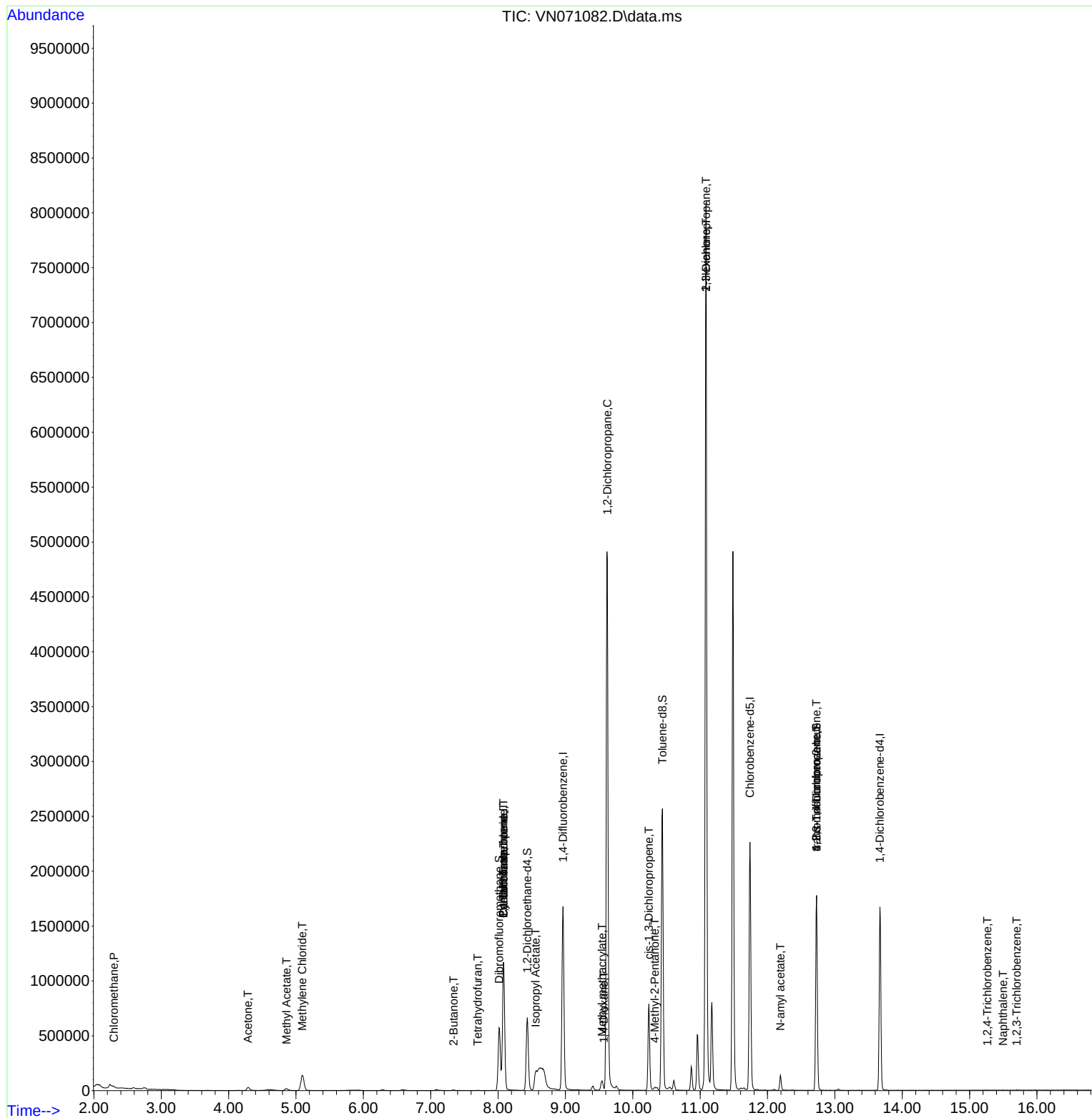
Internal Standards						
1) Pentafluorobenzene	8.081	168	902626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1470398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1326718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	464735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	545526	52.908	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.820%			
35) Dibromofluoromethane	8.016	113	418298	47.828	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.660%			
50) Toluene-d8	10.439	98	1809894	51.530	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.727	95	613607	48.876	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2453	0.208	ug/l #	86
16) Acetone	4.287	43	50541	8.901	ug/l	100
18) Methyl Acetate	4.857	43	40421	2.681	ug/l	94
20) Methylene Chloride	5.093	84	112511	10.902	ug/l	94
25) 2-Butanone	7.340	43	10135	1.342	ug/l #	88
29) Tetrahydrofuran	7.698	42	1550	0.317	ug/l #	67
31) Cyclohexane	8.081	56	18887	1.059	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	66338	4.630	ug/l #	49
38) Carbon Tetrachloride	8.081	117	86451	6.123	ug/l #	17
43) Isopropyl Acetate	8.557	43	213991	8.835	ug/l #	73
45) 1,2-Dichloropropane	9.622	63	6024	0.555	ug/l #	44
48) Methyl methacrylate	9.545	41	24356	2.124	ug/l #	8
49) 1,4-Dioxane	9.569	88	60	0.295	ug/l #	27
51) 4-Methyl-2-Pentanone	10.328	43	21549	1.462	ug/l	94
54) cis-1,3-Dichloropropene	10.239	75	140835	8.167	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	82548	4.578	ug/l #	43
59) 2-Hexanone	11.086	43	1270362	125.337	ug/l #	49
74) N-amyl acetate	12.192	43	45074	3.770	ug/l #	53
76) 1,2,3-Trichloropropane	12.727	75	313339	28.636	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	313339	92.793	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.263	180	477	2.052	ug/l #	47
95) Naphthalene	15.498	128	1369	5.049	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	344	2.557	ug/l #	67

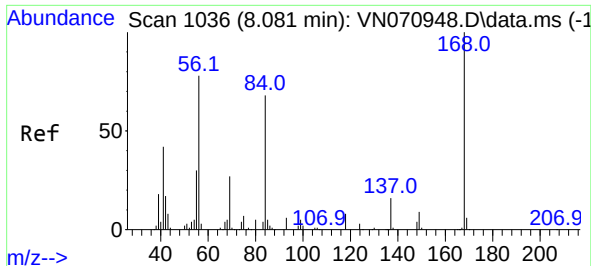
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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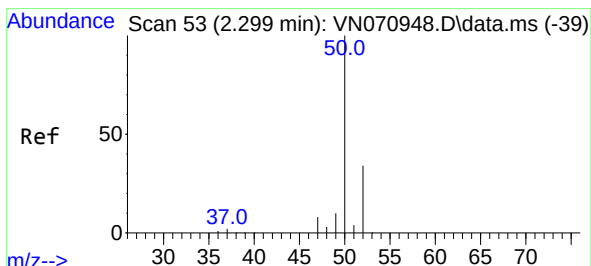
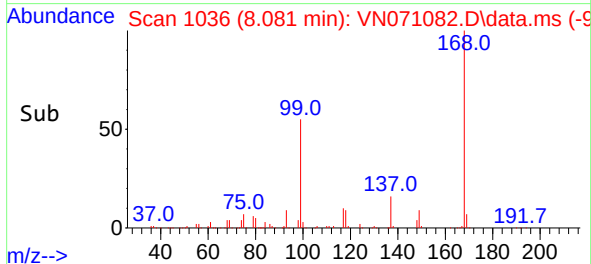
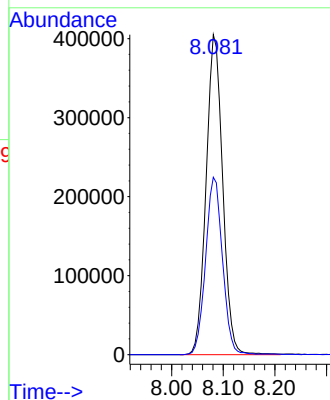
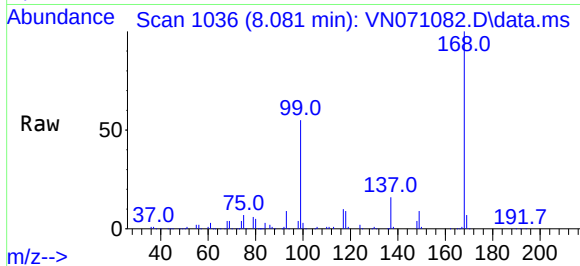




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

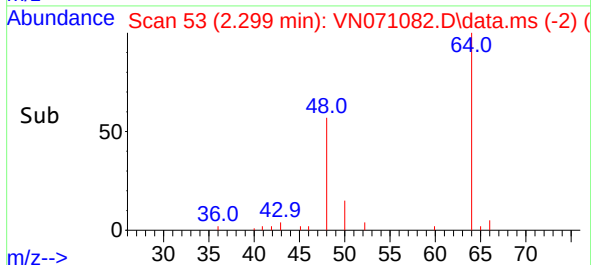
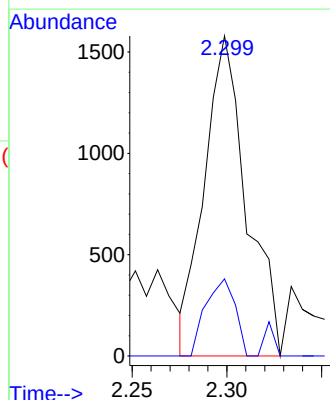
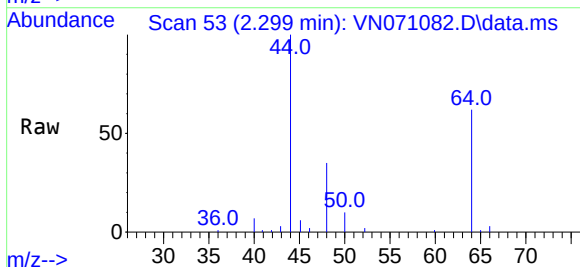
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TP-10

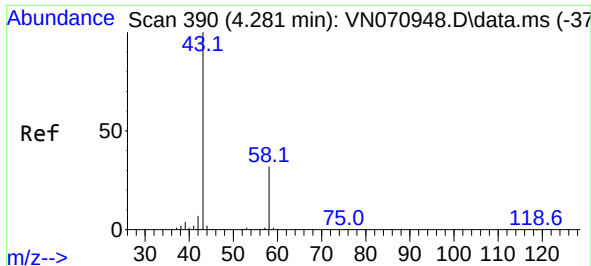
Tgt Ion:168 Resp: 902626
Ion Ratio Lower Upper
168 100
99 55.4 41.3 61.9



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 50 Resp: 2453
Ion Ratio Lower Upper
50 100
52 24.1 25.4 38.0#

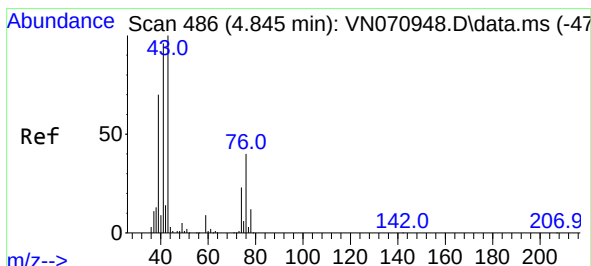
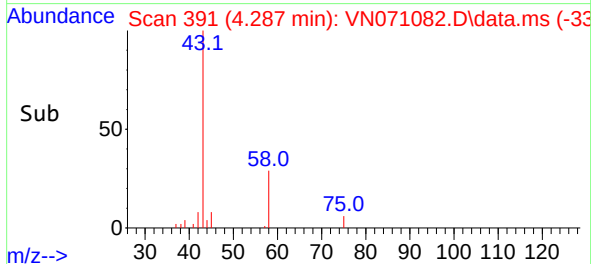
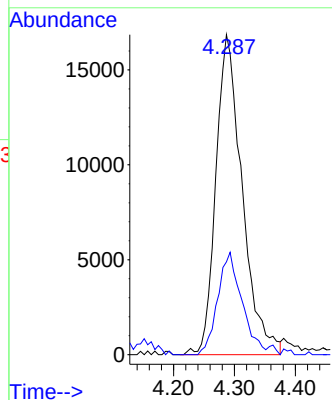
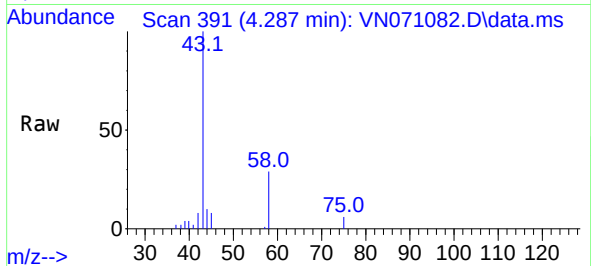




#16
Acetone
Concen: 8.901 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

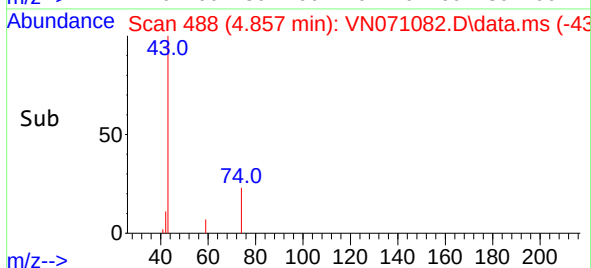
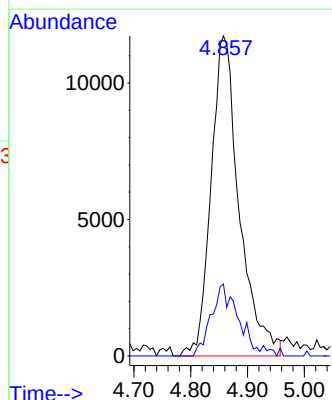
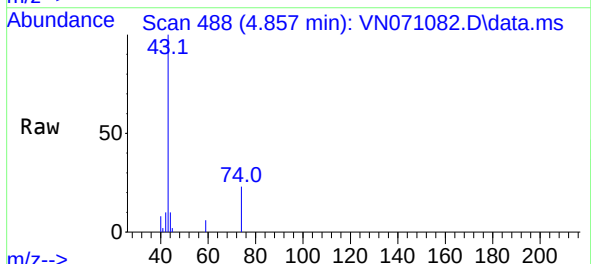
Instrument :
MSVOA_N
ClientSampleId :
TP-10

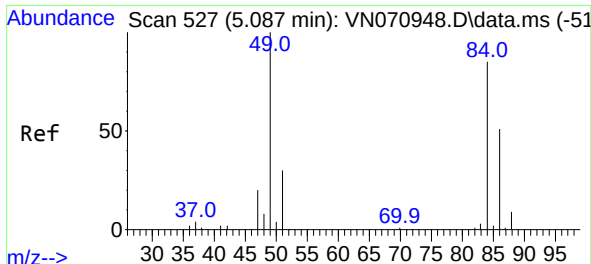
Tgt Ion: 43 Resp: 50541
Ion Ratio Lower Upper
43 100
58 29.0 23.1 34.7



#18
Methyl Acetate
Concen: 2.681 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

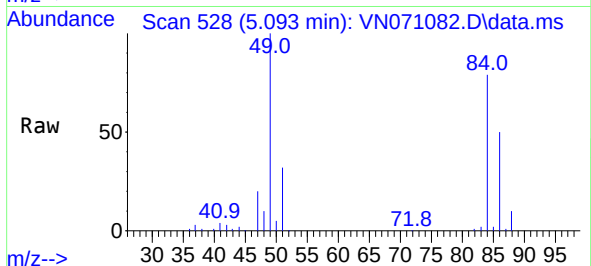
Tgt Ion: 43 Resp: 40421
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2



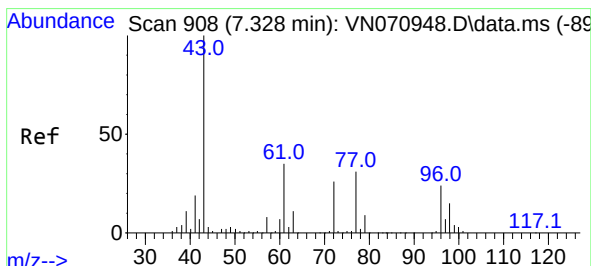
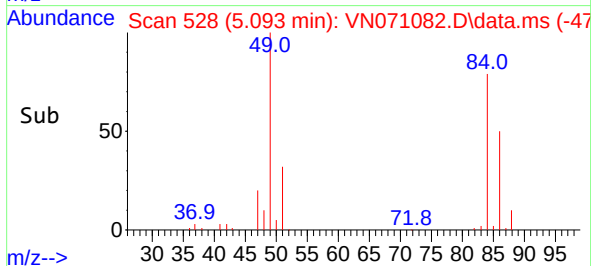
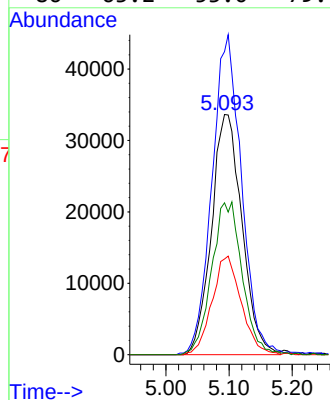


#20
Methylene Chloride
Concen: 10.902 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
TP-10

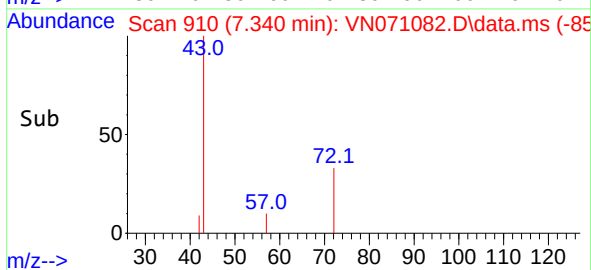
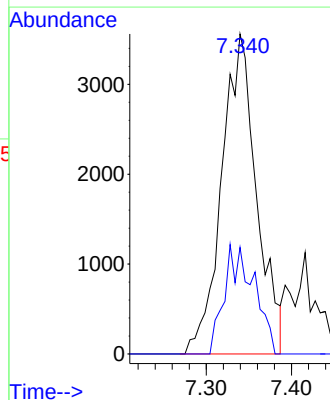
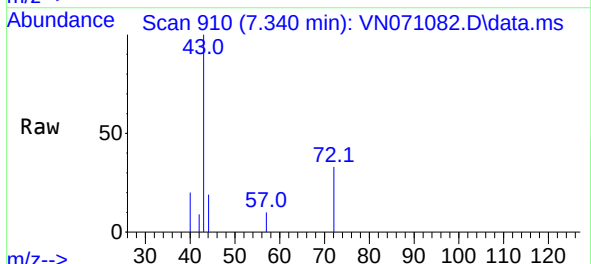


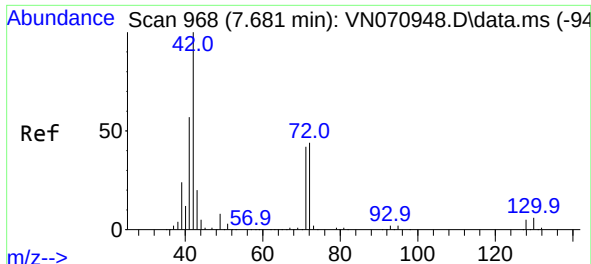
Tgt Ion: 84 Resp: 112511
Ion Ratio Lower Upper
84 100
49 125.5 93.5 140.3
51 39.9 29.4 44.2
86 63.2 53.0 79.4



#25
2-Butanone
Concen: 1.342 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 43 Resp: 10135
Ion Ratio Lower Upper
43 100
72 33.3 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071082.D

Acq: 25 Feb 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

TP-10

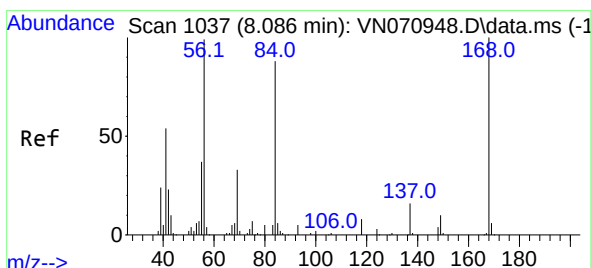
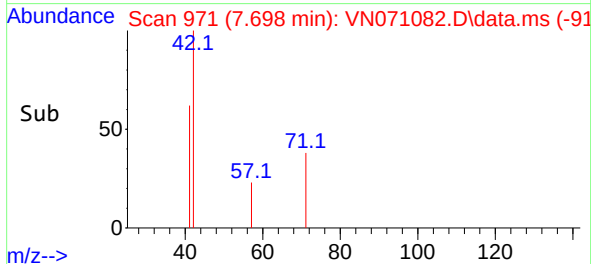
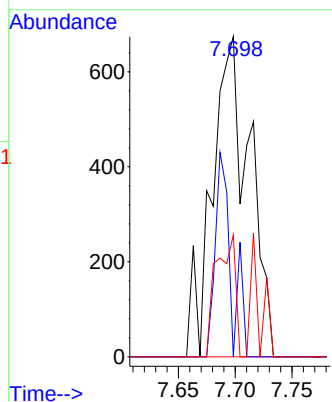
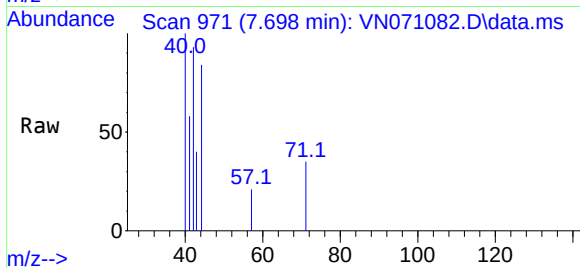
Tgt Ion: 42 Resp: 1550

Ion Ratio Lower Upper

42 100

72 26.8 36.3 54.5#

71 19.5 34.7 52.1#



#31

Cyclohexane

Concen: 1.059 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071082.D

Acq: 25 Feb 2022 20:09

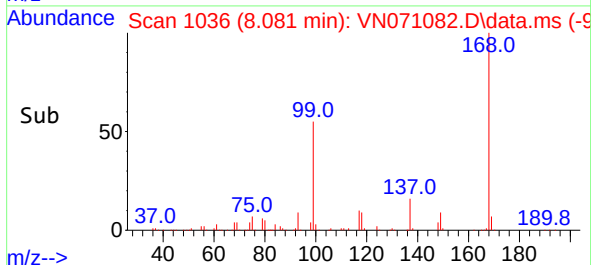
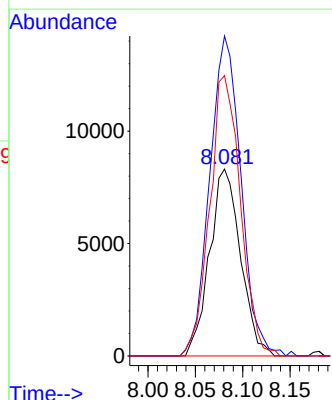
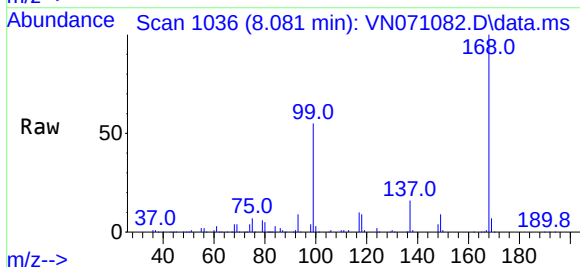
Tgt Ion: 56 Resp: 18887

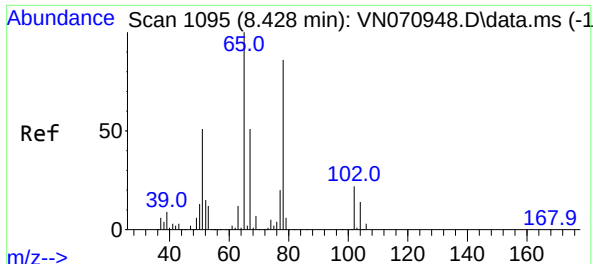
Ion Ratio Lower Upper

56 100

69 171.2 27.1 40.7#

84 150.0 73.4 110.0#

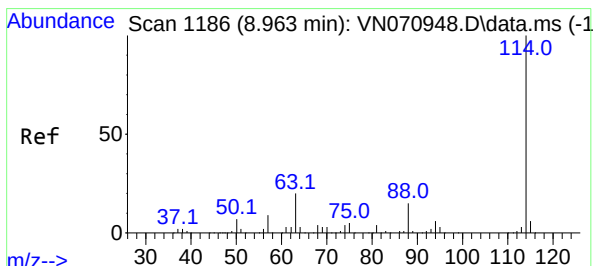
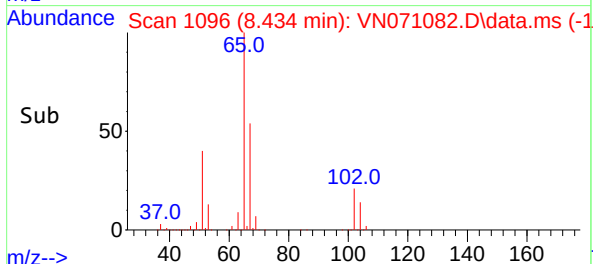
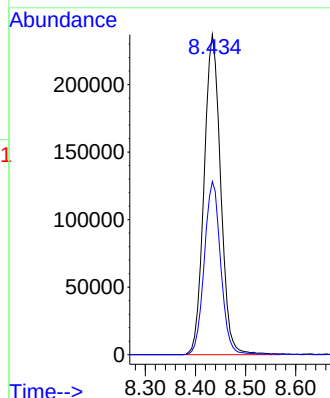
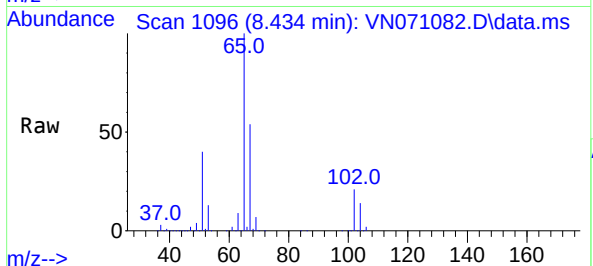




#33
1,2-Dichloroethane-d4
Concen: 52.908 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

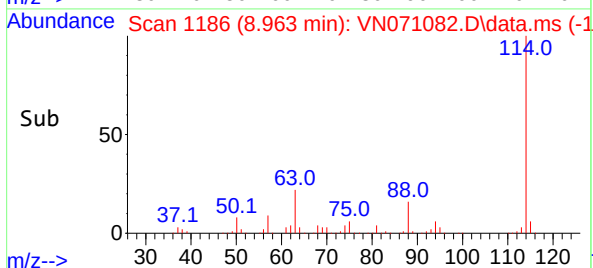
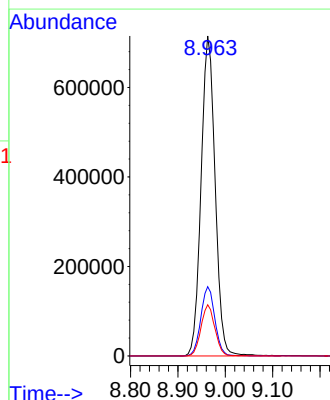
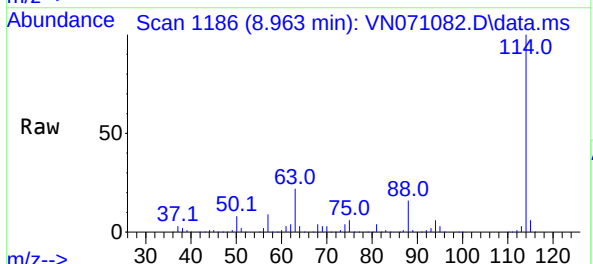
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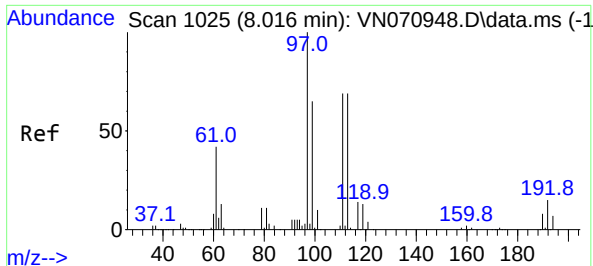
Tgt Ion: 65 Resp: 545526
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 114 Resp: 1470398
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 16.0 0.0 27.4

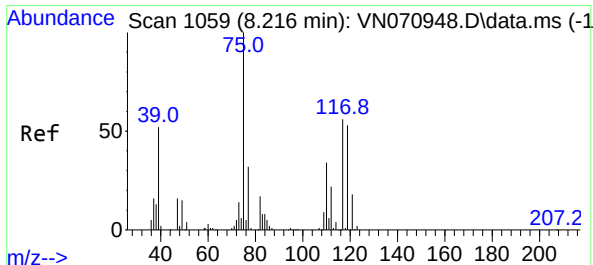
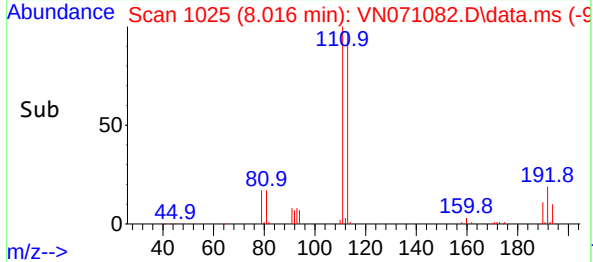
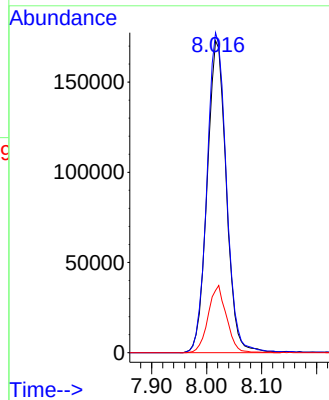
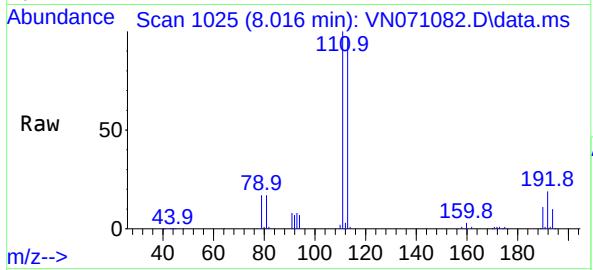




#35
Dibromofluoromethane
Concen: 47.828 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

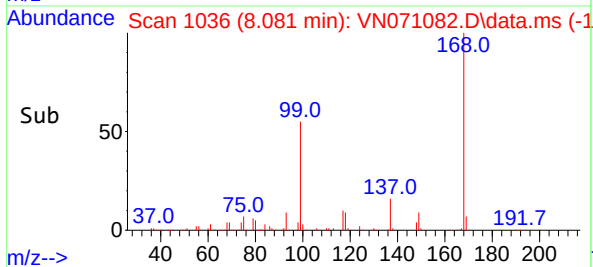
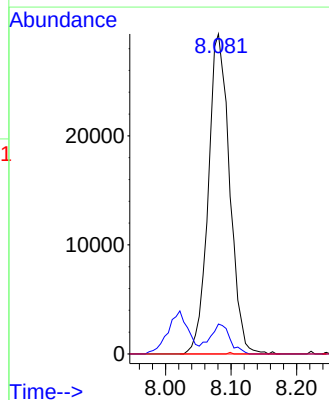
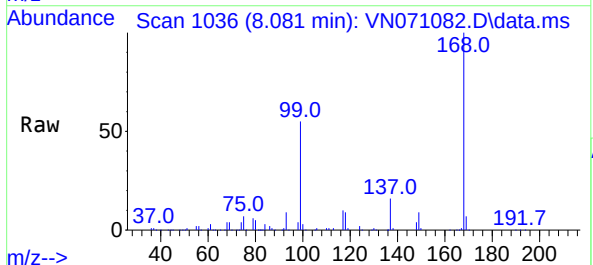
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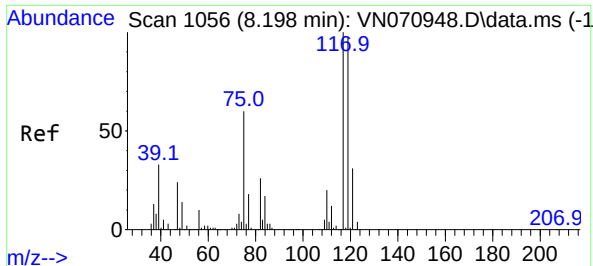
Tgt Ion:113 Resp: 418298
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 75 Resp: 66338
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.1 24.4 36.6#

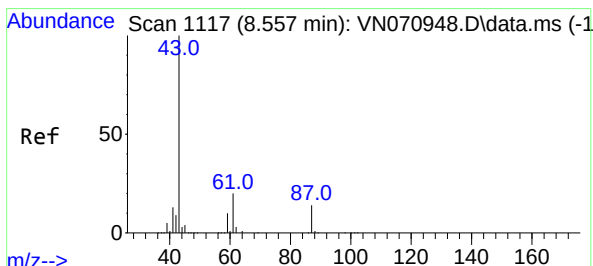
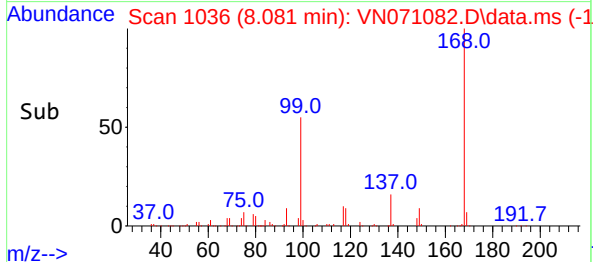
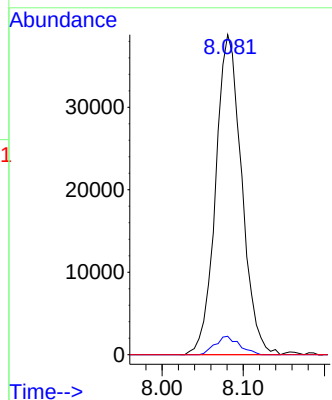
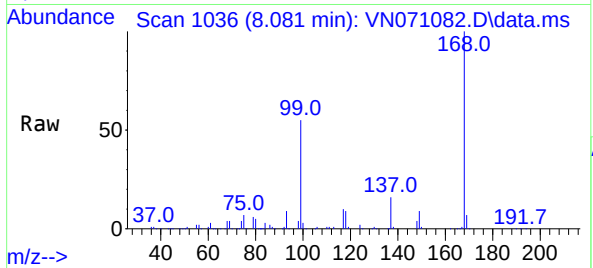




#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.118 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

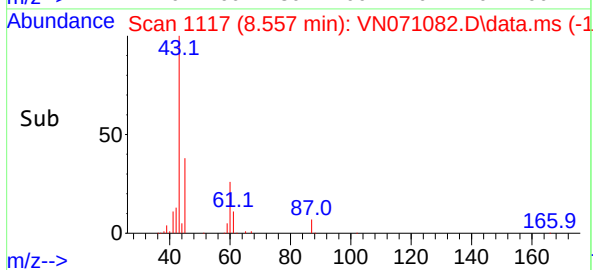
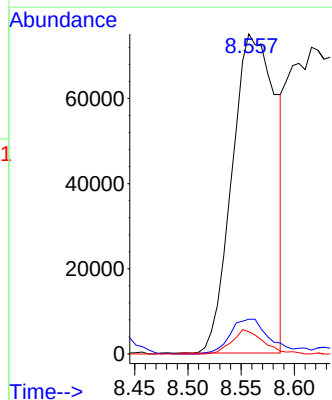
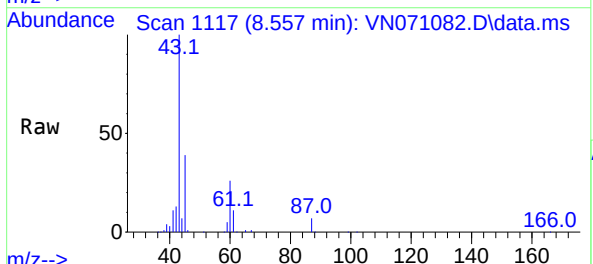
Instrument :
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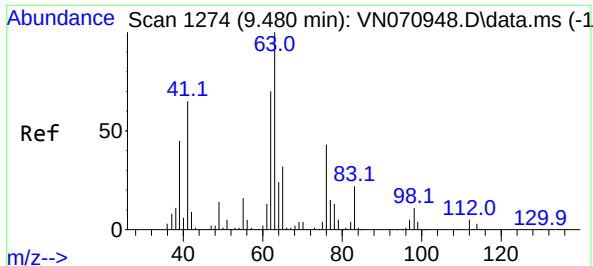
Tgt Ion:117 Resp: 86451
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 8.835 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 43 Resp: 213991
Ion Ratio Lower Upper
43 100
61 10.2 20.4 30.6#
87 5.5 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.555 ug/l

RT: 9.622 min Scan# 11

Delta R.T. 0.141 min

Lab File: VN071082.D

Acq: 25 Feb 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

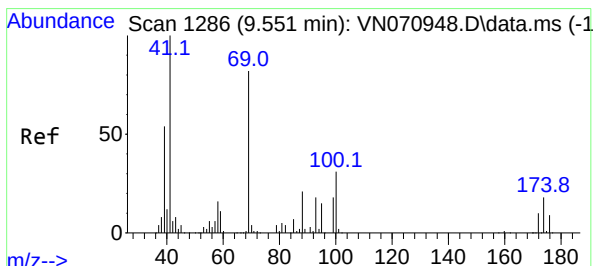
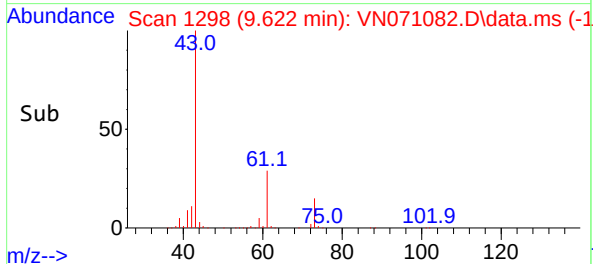
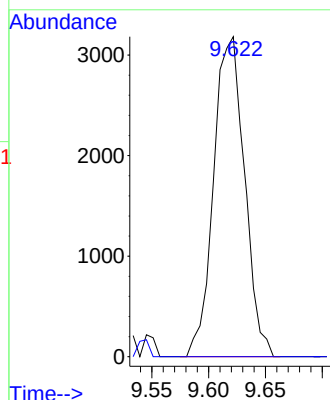
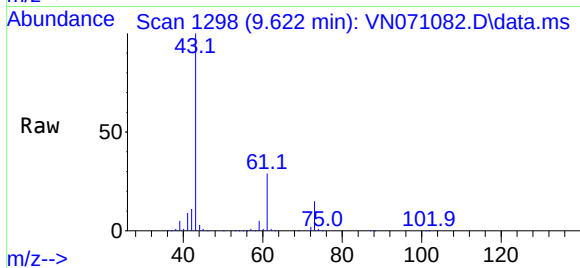
TP-10

Tgt Ion: 63 Resp: 6024

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 2.124 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071082.D

Acq: 25 Feb 2022 20:09

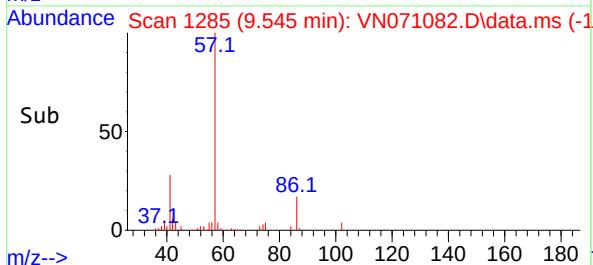
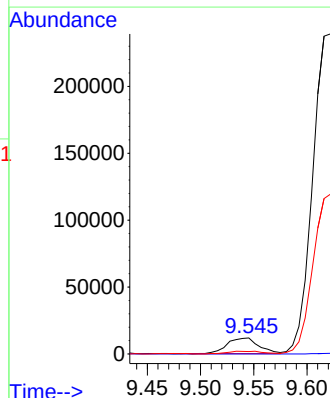
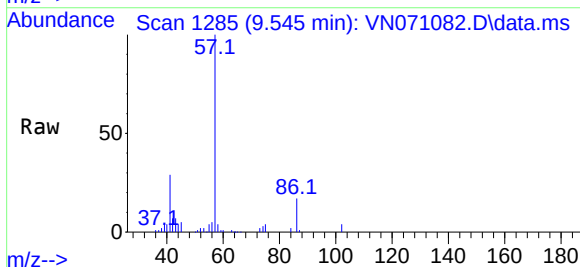
Tgt Ion: 41 Resp: 24356

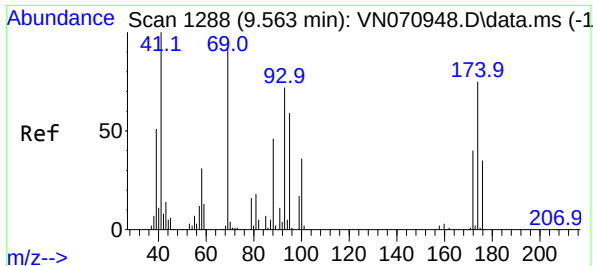
Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#

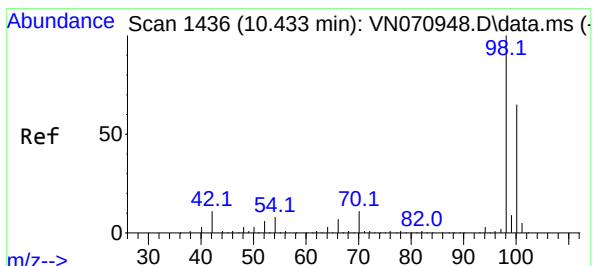
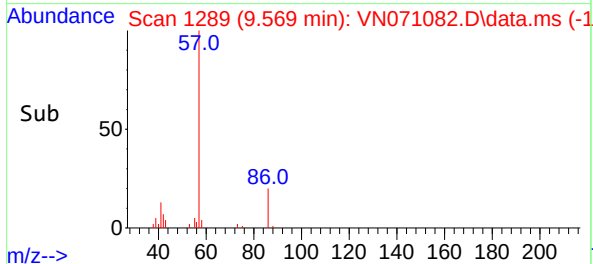
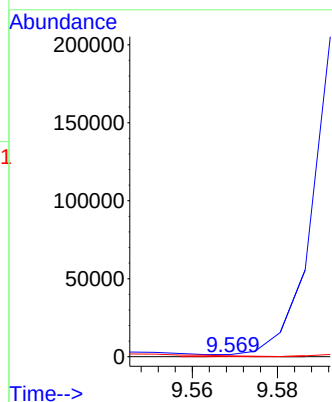
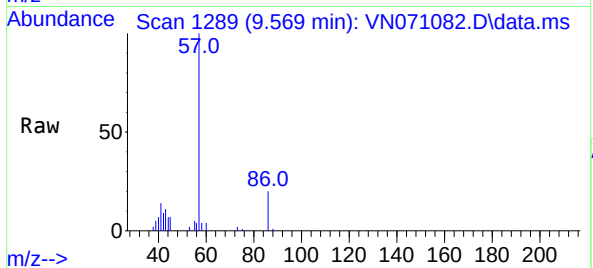




#49
1,4-Dioxane
Concen: 0.295 ug/l
RT: 9.569 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

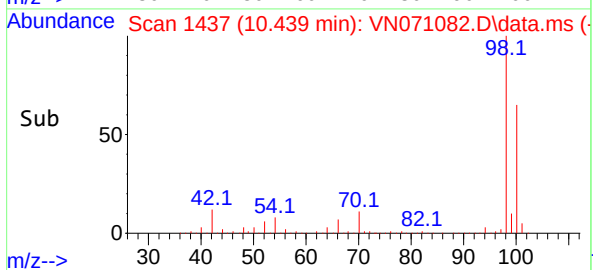
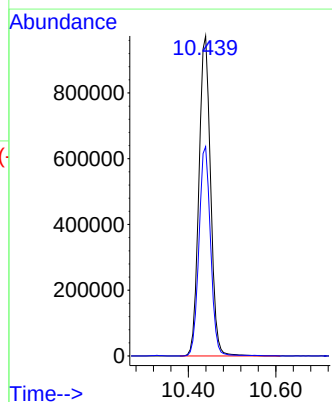
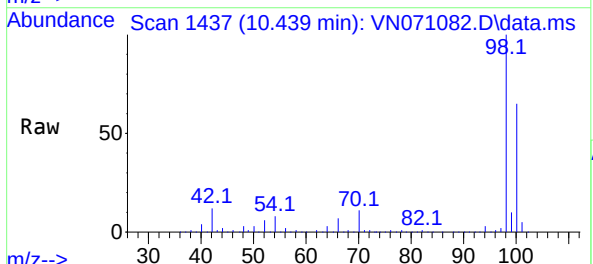
Instrument :
MSVOA_N
ClientSampleId :
TP-10

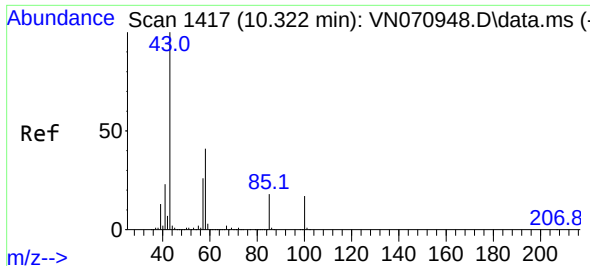
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.530 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 98 Resp: 1809894
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

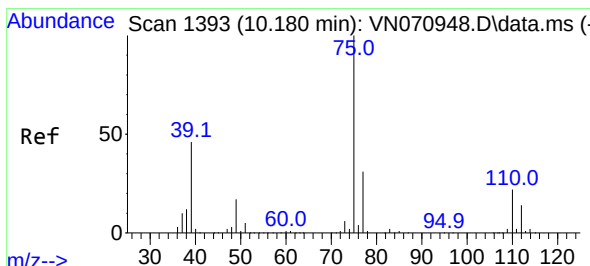
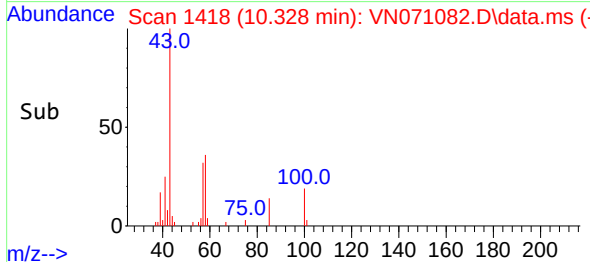
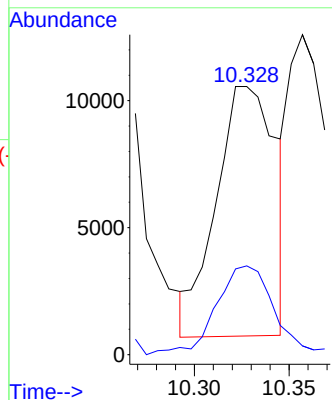
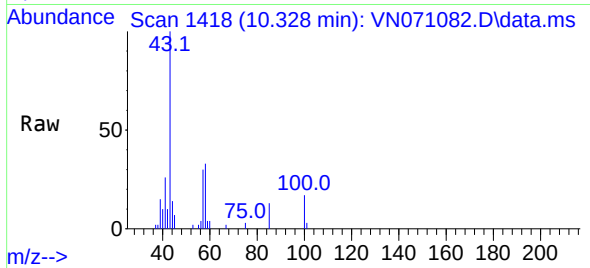




#51
4-Methyl-2-Pentanone
Concen: 1.462 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

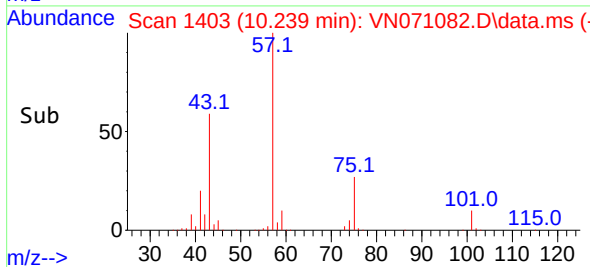
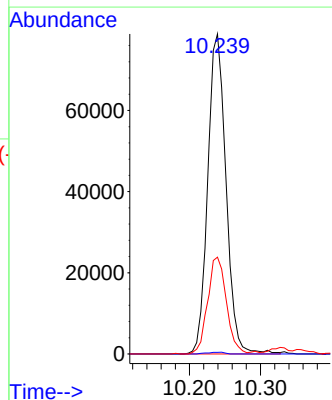
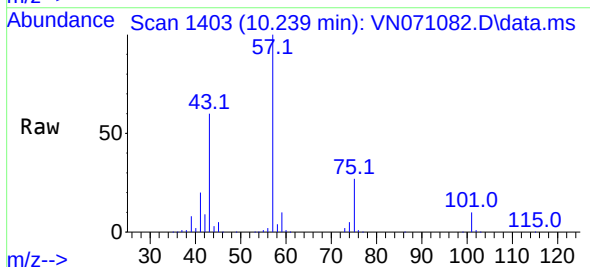
Instrument :
MSVOA_N
ClientSampleId :
TP-10

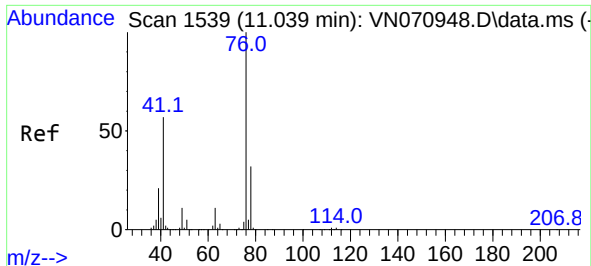
Tgt Ion: 43 Resp: 21549
Ion Ratio Lower Upper
43 100
58 34.5 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 8.167 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 75 Resp: 140835
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 30.2 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.578 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071082.D

Acq: 25 Feb 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

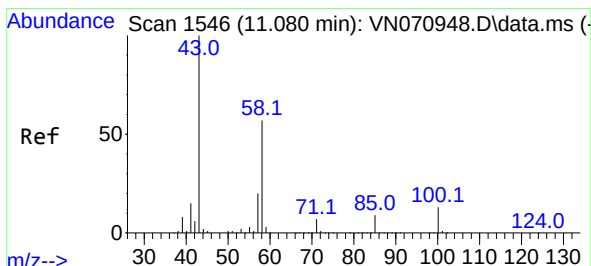
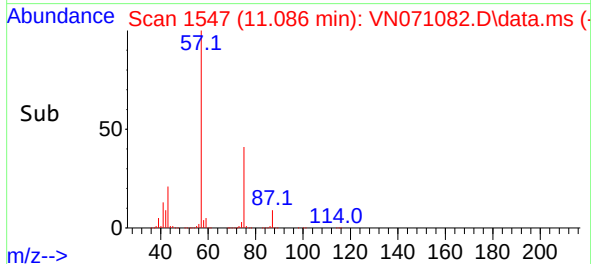
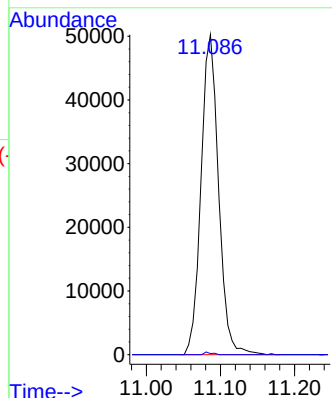
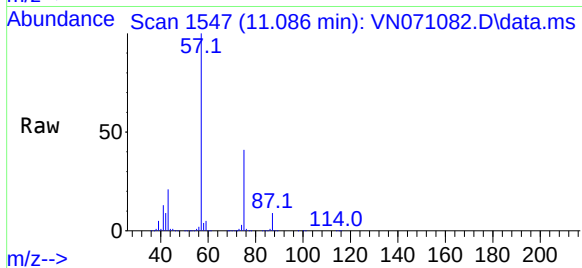
TP-10

Tgt Ion: 76 Resp: 82548

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 125.337 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071082.D

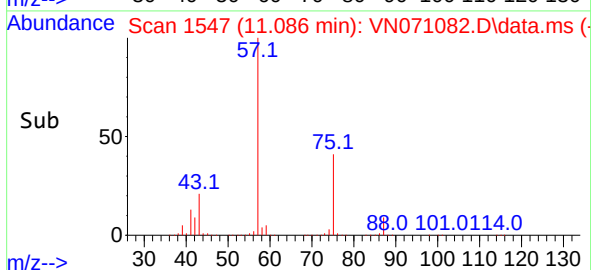
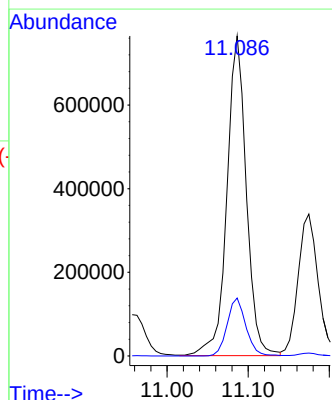
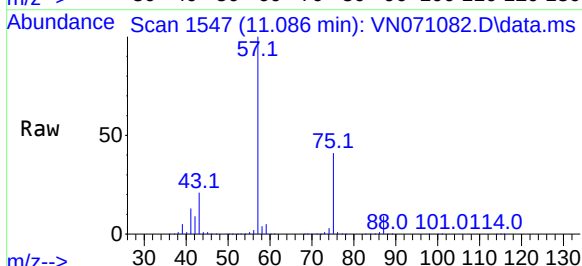
Acq: 25 Feb 2022 20:09

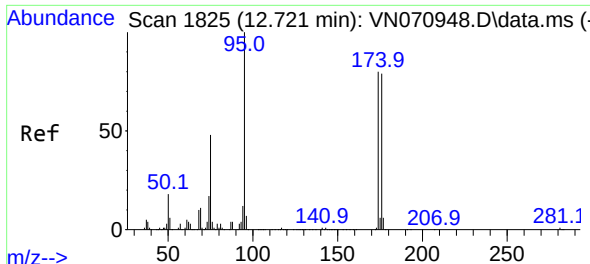
Tgt Ion: 43 Resp: 1270362

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.7#

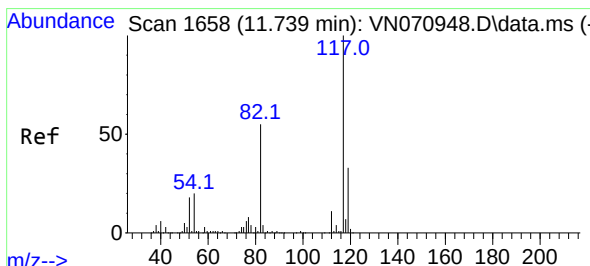
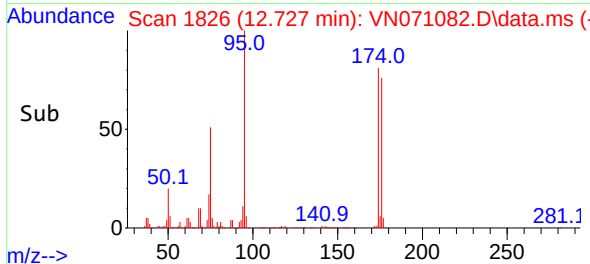
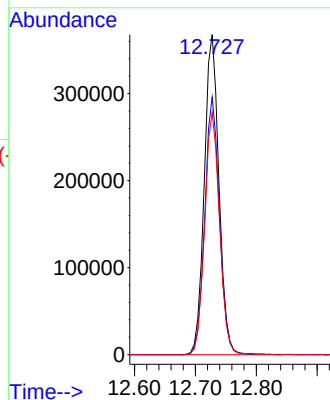
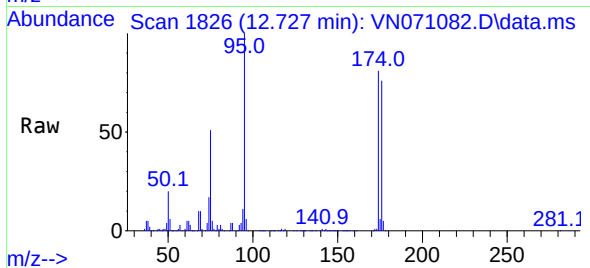




#62
4-Bromofluorobenzene
Concen: 48.876 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

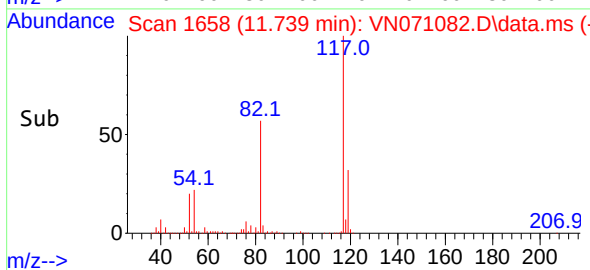
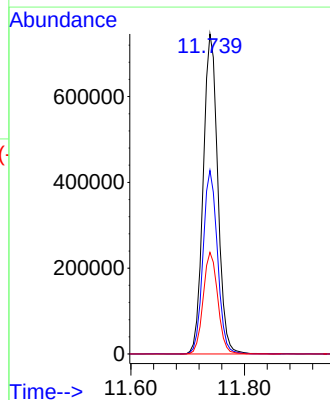
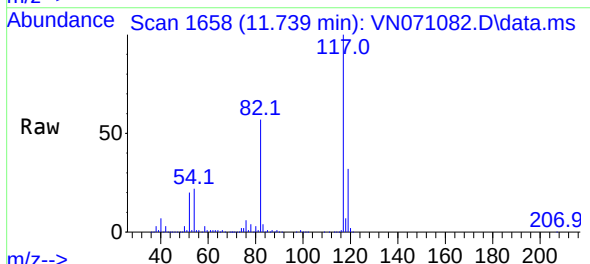
Instrument :
MSVOA_N
ClientSampleId :
TP-10

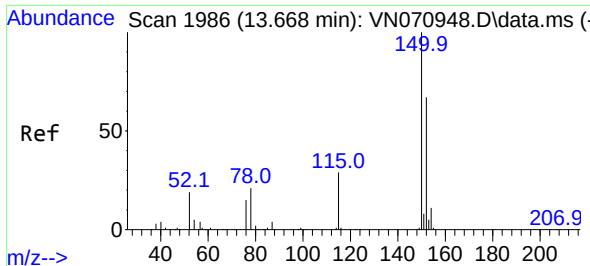
Tgt Ion: 95 Resp: 613607
Ion Ratio Lower Upper
95 100
174 80.9 0.0 187.2
176 76.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

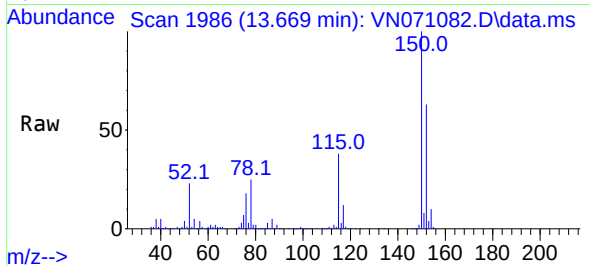
Tgt Ion: 117 Resp: 1326718
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 31.7 25.4 38.2



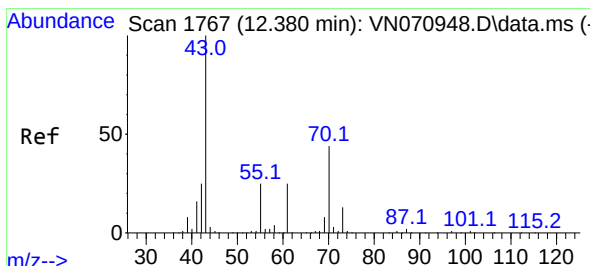
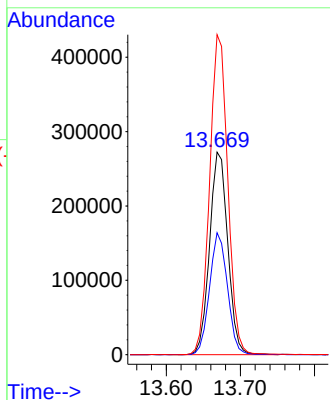
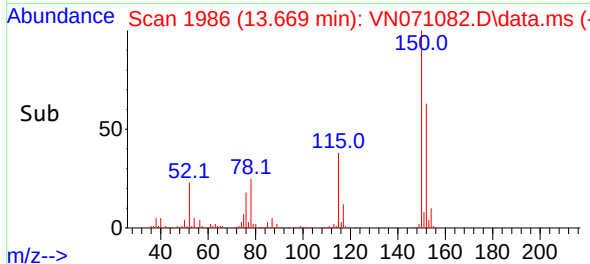


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

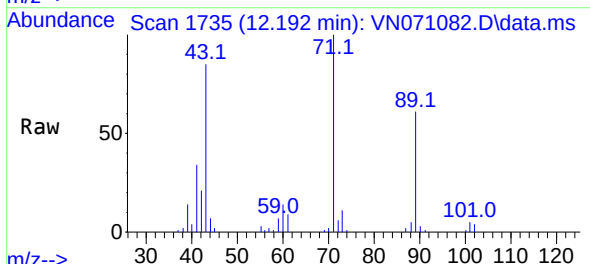
Instrument :
MSVOA_N
ClientSampleId :
TP-10



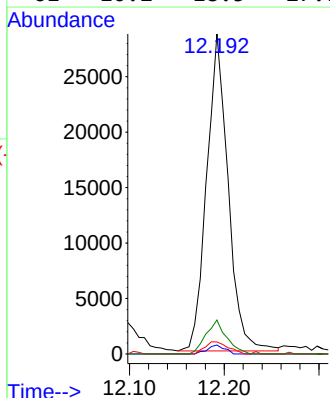
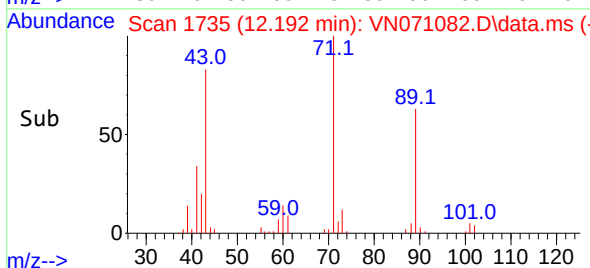
Tgt Ion:152 Resp: 464735
Ion Ratio Lower Upper
152 100
115 59.3 27.5 82.5
150 157.9 0.0 344.4

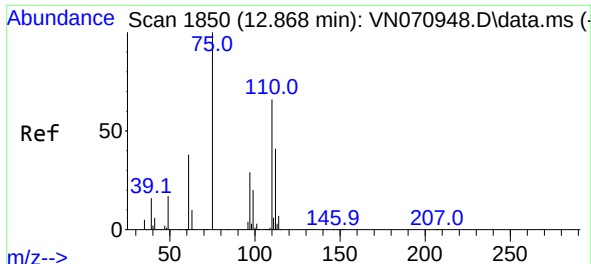


#74
N-ethyl acetate
Concen: 3.770 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.188 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09



Tgt Ion: 43 Resp: 45074
Ion Ratio Lower Upper
43 100
70 2.2 33.4 50.0#
55 4.1 19.3 28.9#
61 10.2 18.5 27.7#

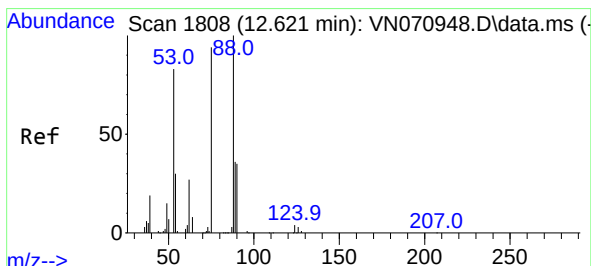
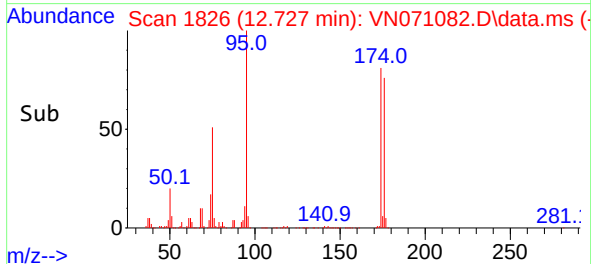
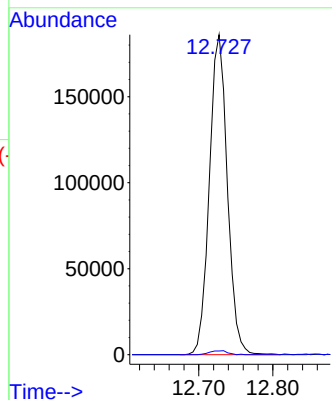
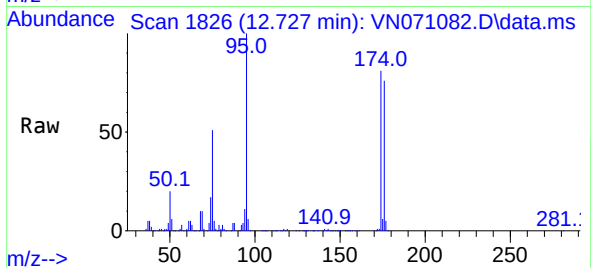




#76
1,2,3-Trichloropropane
Concen: 28.636 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

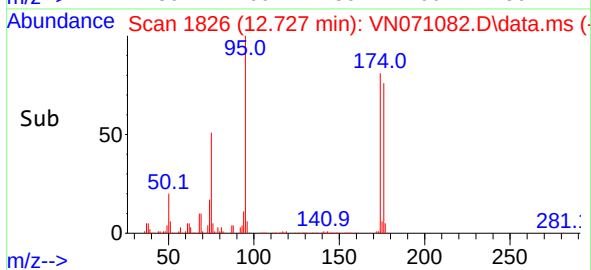
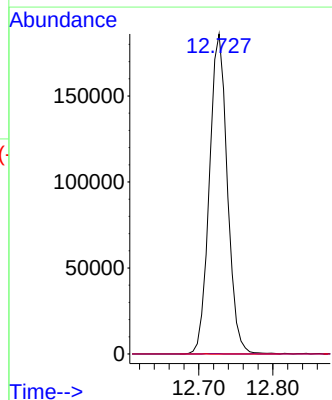
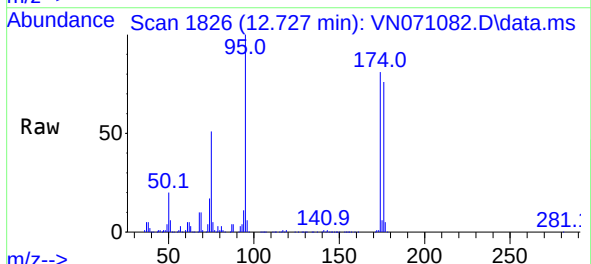
Instrument :
MSVOA_N
ClientSampleId :
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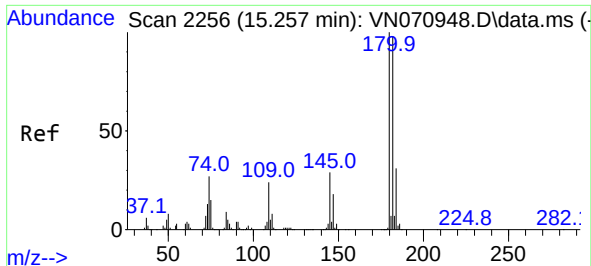
Tgt Ion: 75 Resp: 313339
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.793 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion: 75 Resp: 313339
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

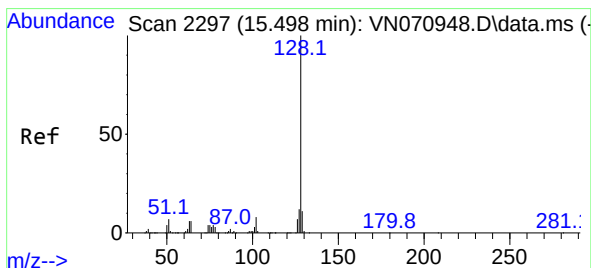
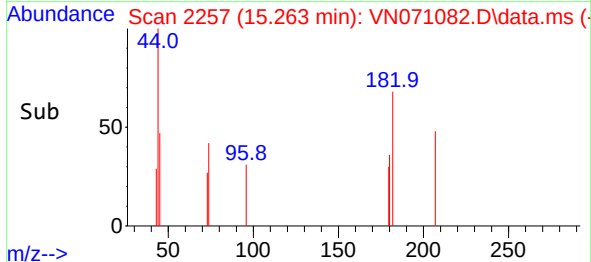
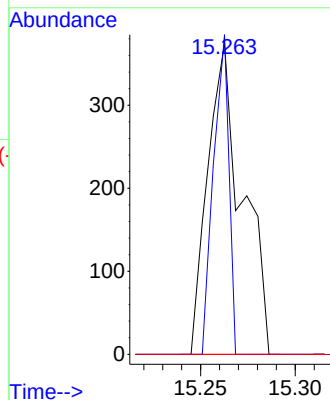
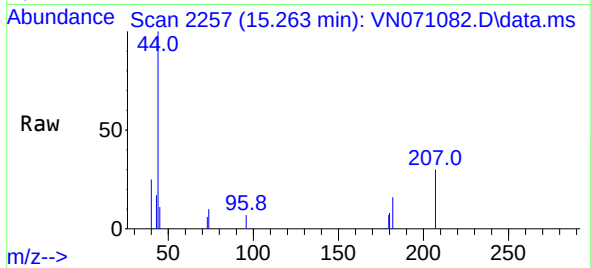




#93
1,2,4-Trichlorobenzene
Concen: 2.052 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

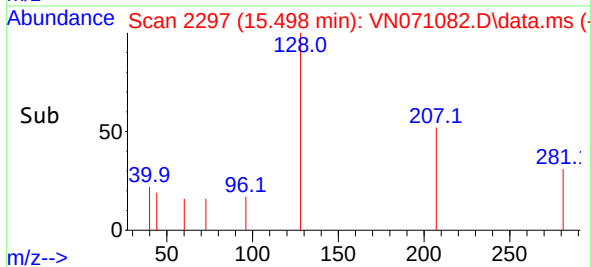
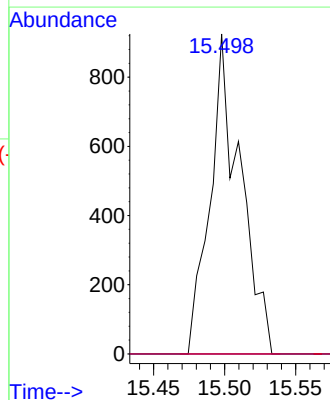
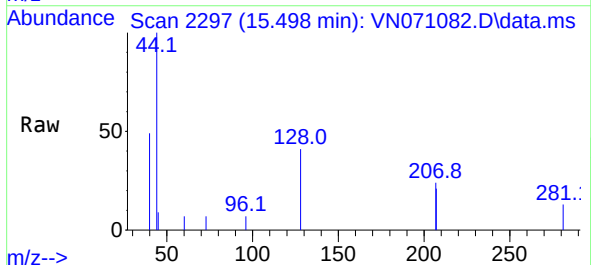
Instrument :
MSVOA_N
ClientSampleId :
TP-10

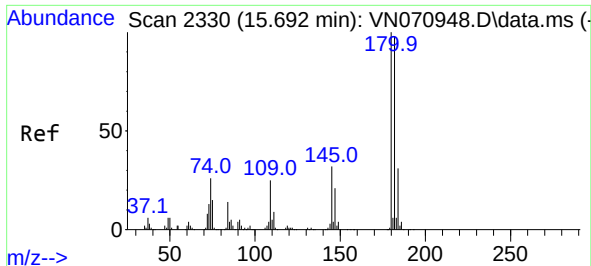
Tgt Ion:180 Resp: 477
Ion Ratio Lower Upper
180 100
182 45.5 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.049 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071082.D
Acq: 25 Feb 2022 20:09

Tgt Ion:128 Resp: 1369
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.557 ug/l

RT: 15.698 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071082.D

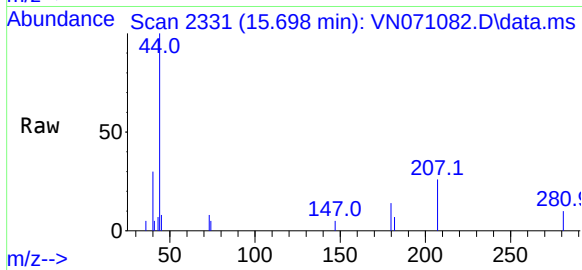
Acq: 25 Feb 2022 20:09

Instrument :

MSVOA_N

ClientSampleId :

TP-10



Tgt Ion:180 Resp: 344

Ion Ratio Lower Upper

180 100

182 69.2 47.4 142.2

145 0.0 15.0 45.1#

