

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071059.D
 Acq On : 24 Feb 2022 16:44
 Operator : JC\MD
 Sample : PB142888ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#05

Quant Time: Feb 25 02:44:53 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)

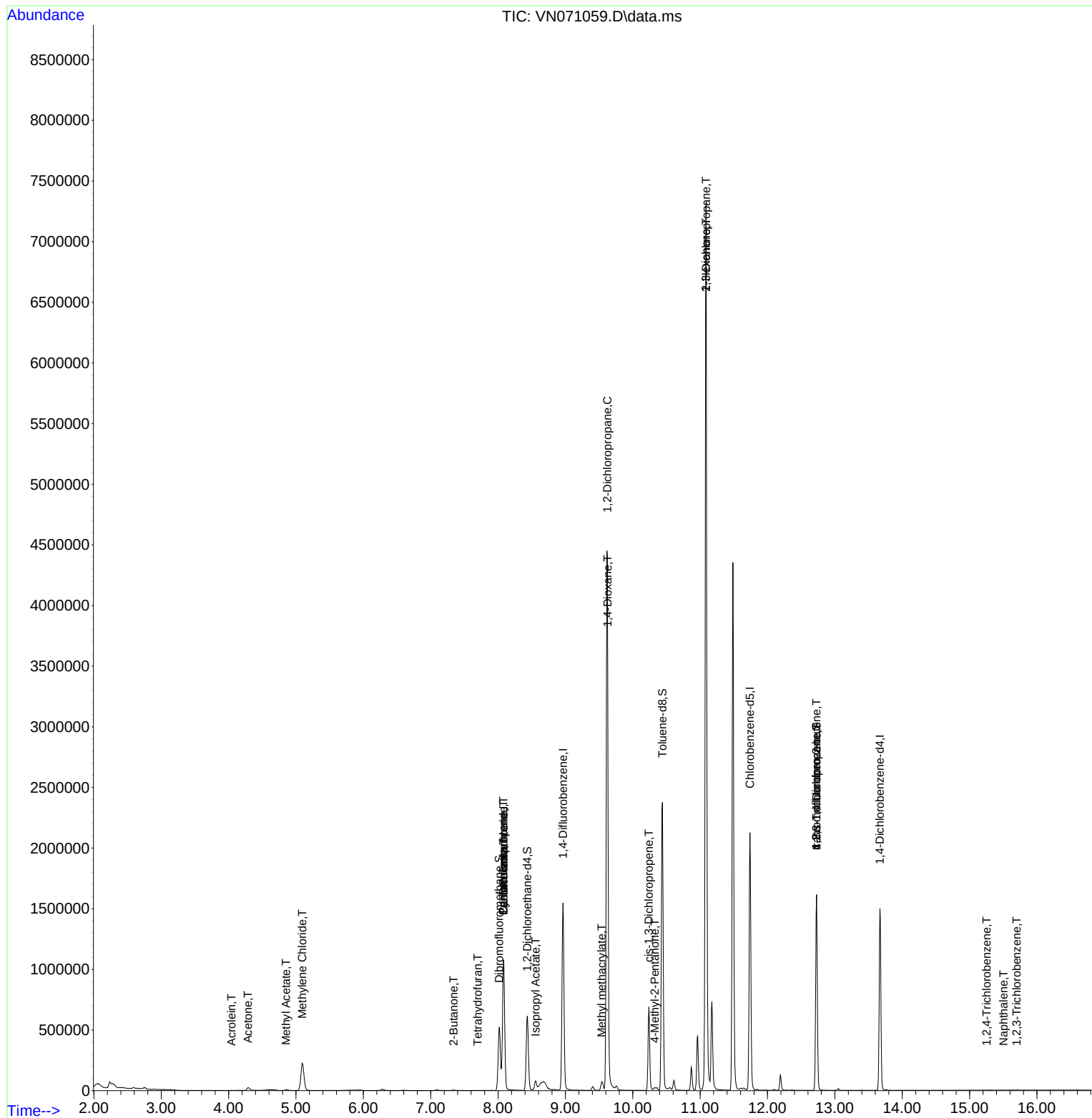
Internal Standards						
1) Pentafluorobenzene	8.081	168	831014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1356189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1226020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	419279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	507369	53.448	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.900%	
35) Dibromofluoromethane	8.016	113	393252	48.751	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.500%	
50) Toluene-d8	10.439	98	1663126	51.339	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	12.727	95	559502	48.319	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.640%	
Target Compounds						
					Qvalue	
13) Acrolein	4.040	56	341	0.221	ug/l #	60
16) Acetone	4.287	43	41060	7.854	ug/l	99
18) Methyl Acetate	4.851	43	14364	0.660	ug/l	96
20) Methylene Chloride	5.093	84	177524	18.684	ug/l	91
25) 2-Butanone	7.340	43	9837	1.414	ug/l	99
29) Tetrahydrofuran	7.698	42	1173	0.260	ug/l #	53
31) Cyclohexane	8.081	56	16198	0.987	ug/l #	13
36) 1,1-Dichloropropene	8.081	75	62880	4.758	ug/l #	48
38) Carbon Tetrachloride	8.081	117	79665	6.118	ug/l #	16
43) Isopropyl Acetate	8.557	43	93886	4.202	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	5921	0.591	ug/l #	44
48) Methyl methacrylate	9.539	41	21158	2.001	ug/l #	8
49) 1,4-Dioxane	9.628	88	814	4.334	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	18161	1.336	ug/l	89
54) cis-1,3-Dichloropropene	10.239	75	120053	7.548	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	75420	4.535	ug/l #	43
59) 2-Hexanone	11.086	43	1154693	123.518	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	288463	29.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	288463	94.688	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.251	180	264	2.032	ug/l #	65
95) Naphthalene	15.504	128	1310	5.053	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.698	180	199	2.543	ug/l #	58

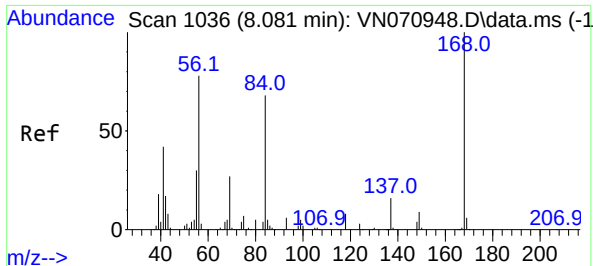
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
Response via : Initial Calibration

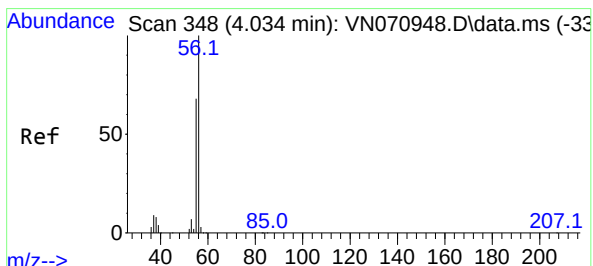
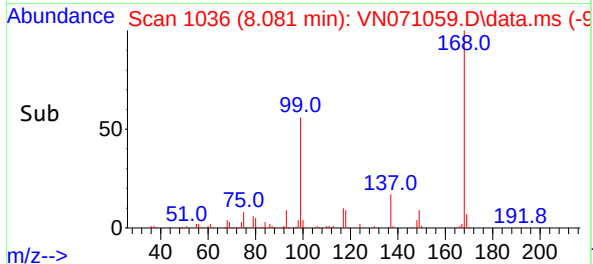
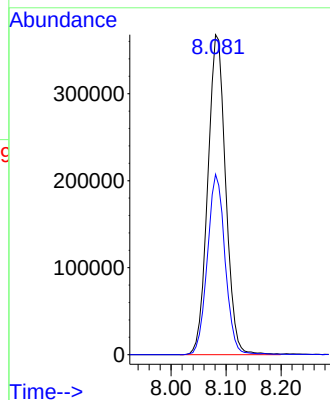
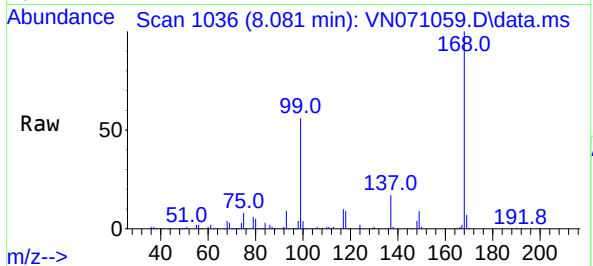




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

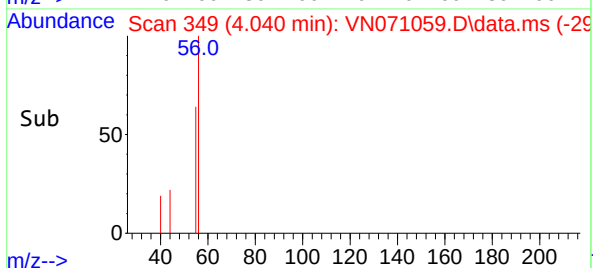
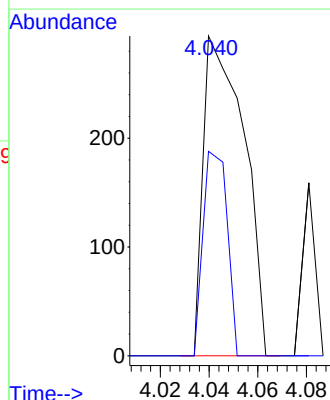
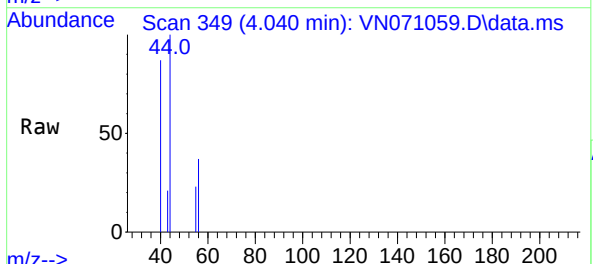
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

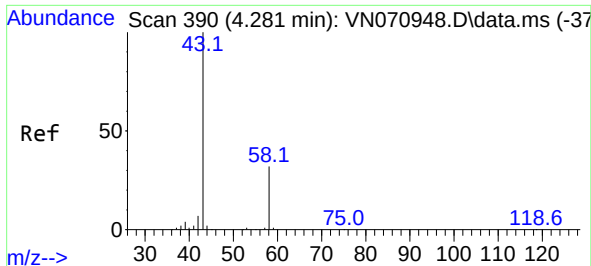
Tgt Ion:168 Resp: 831014
Ion Ratio Lower Upper
168 100
99 56.3 41.3 61.9



#13
Acrolein
Concen: 0.221 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 56 Resp: 341
Ion Ratio Lower Upper
56 100
55 37.8 56.6 85.0#

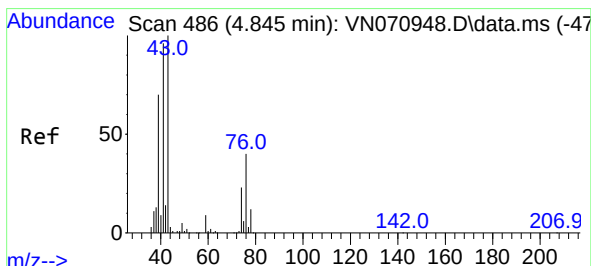
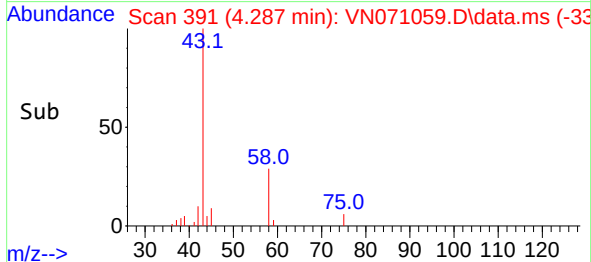
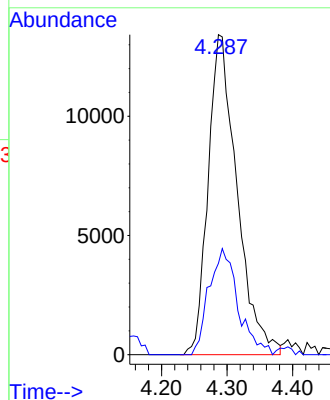
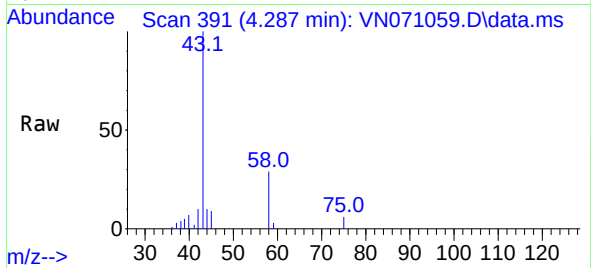




#16
Acetone
Concen: 7.854 ug/l
RT: 4.287 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

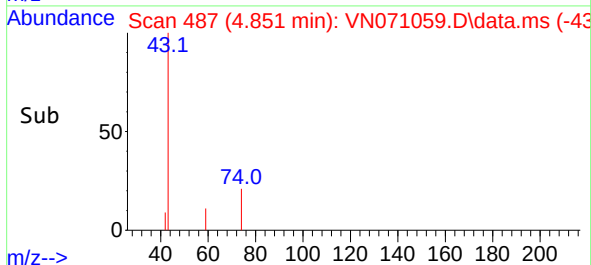
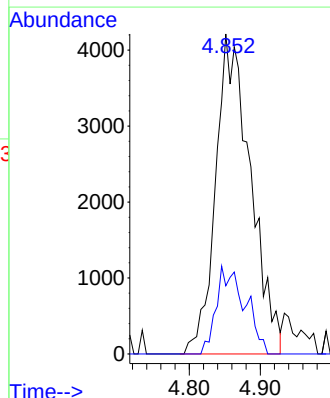
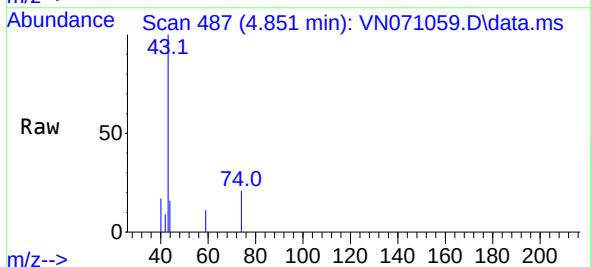
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

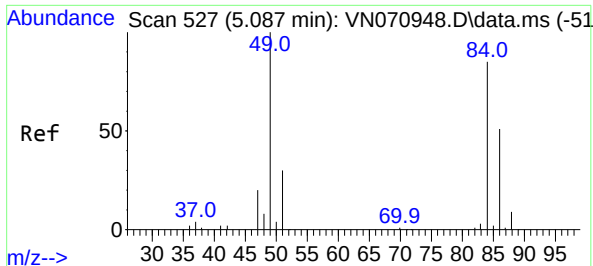
Tgt Ion: 43 Resp: 41060
Ion Ratio Lower Upper
43 100
58 28.6 23.1 34.7



#18
Methyl Acetate
Concen: 0.660 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

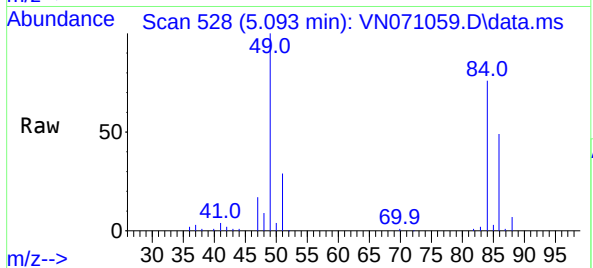
Tgt Ion: 43 Resp: 14364
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2





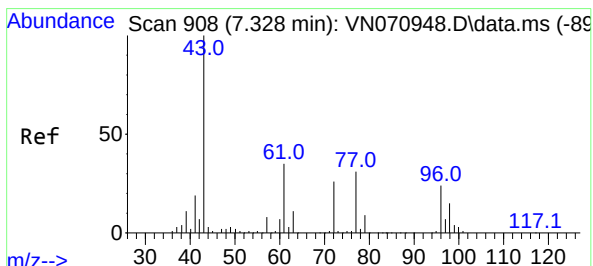
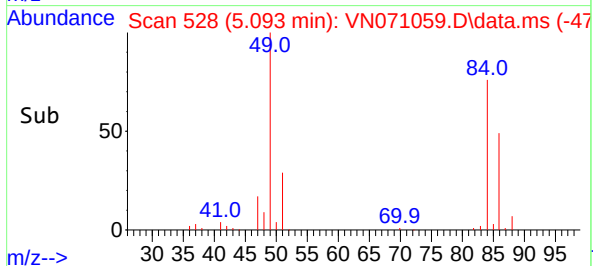
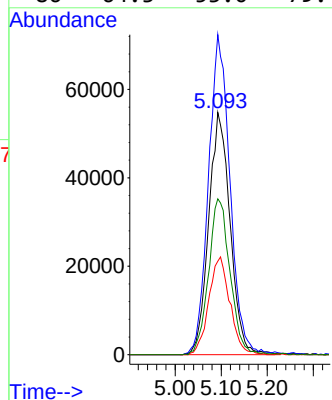
#20
Methylene Chloride
Concen: 18.684 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05



Tgt Ion: 84 Resp: 177524

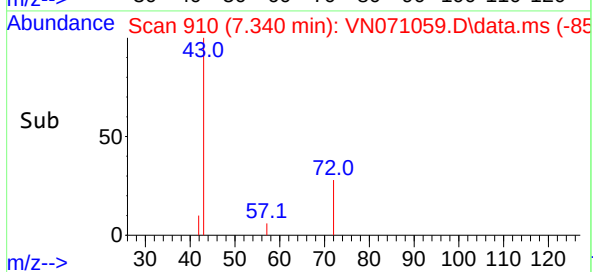
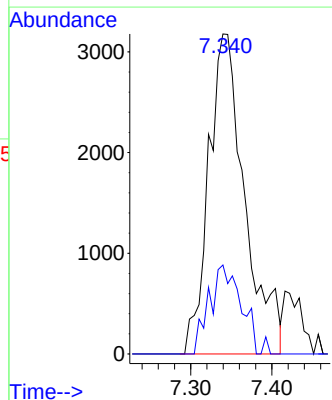
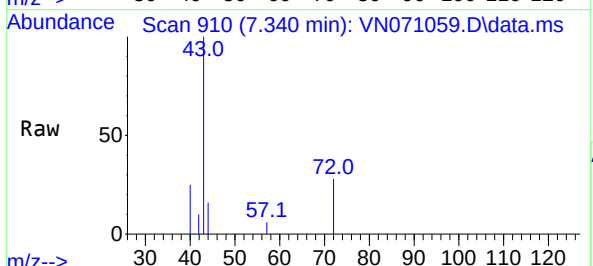
Ion	Ratio	Lower	Upper
84	100		
49	132.1	93.5	140.3
51	38.6	29.4	44.2
86	64.3	53.0	79.4

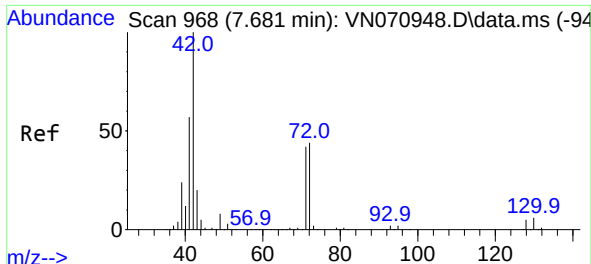


#25
2-Butanone
Concen: 1.414 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 43 Resp: 9837

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.260 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071059.D

Acq: 24 Feb 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

PB142888ZHE#05

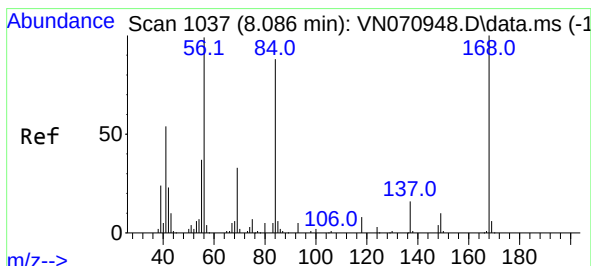
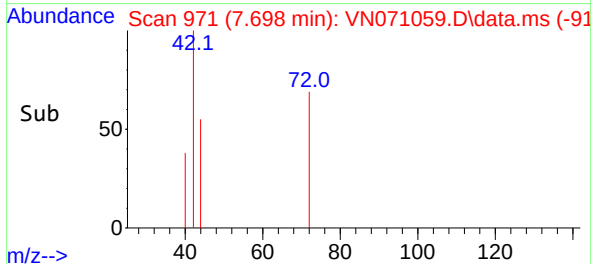
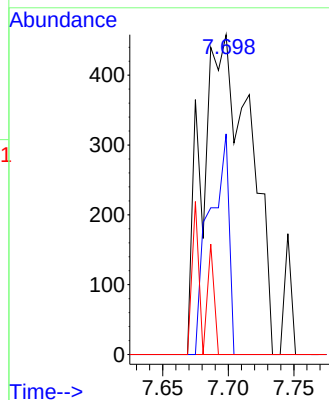
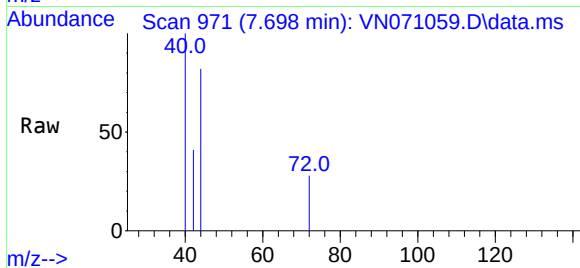
Tgt Ion: 42 Resp: 1173

Ion Ratio Lower Upper

42 100

72 27.9 36.3 54.5#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.987 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071059.D

Acq: 24 Feb 2022 16:44

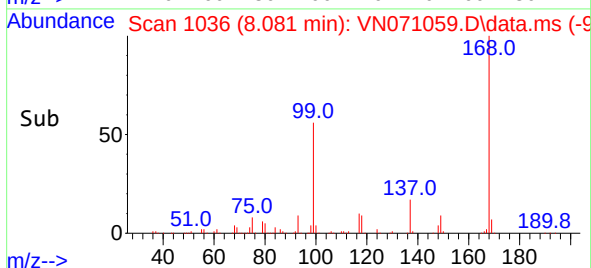
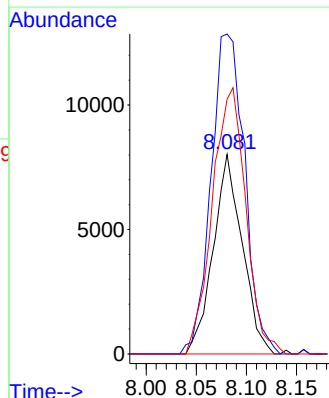
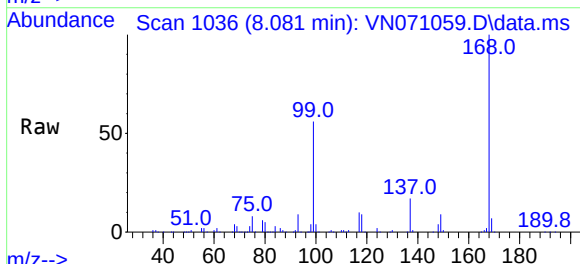
Tgt Ion: 56 Resp: 16198

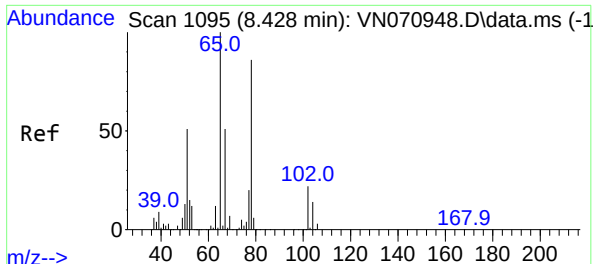
Ion Ratio Lower Upper

56 100

69 160.3 27.1 40.7#

84 127.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 53.448 ug/l

RT: 8.434 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071059.D

Acq: 24 Feb 2022 16:44

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ClientSampleId :

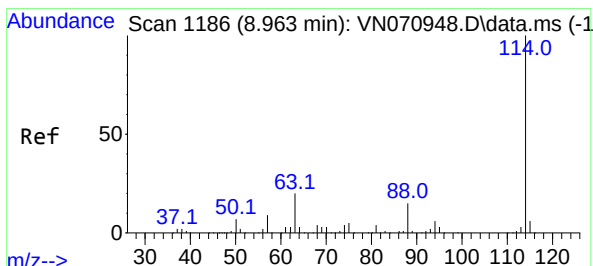
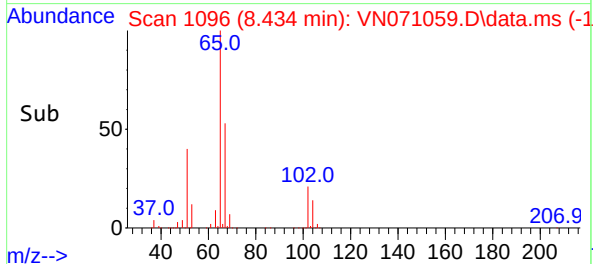
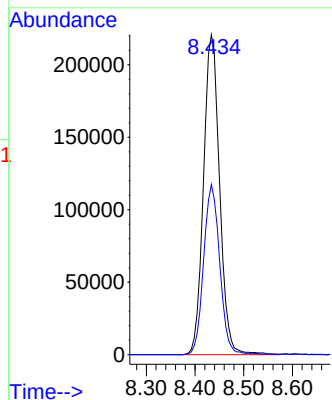
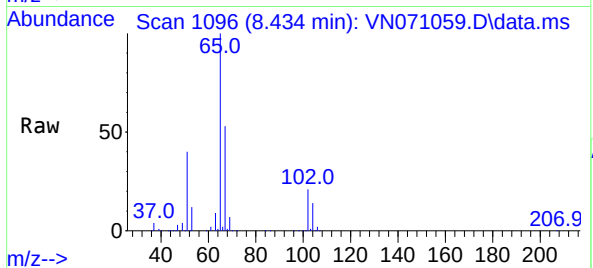
PB142888ZHE#05

Tgt Ion: 65 Resp: 507369

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071059.D

Acq: 24 Feb 2022 16:44

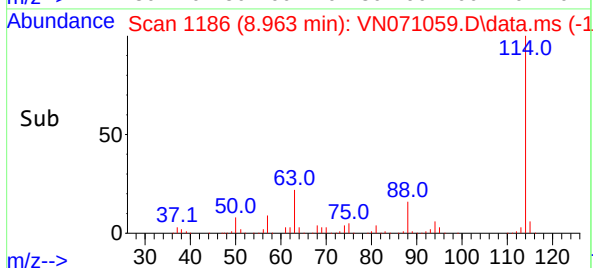
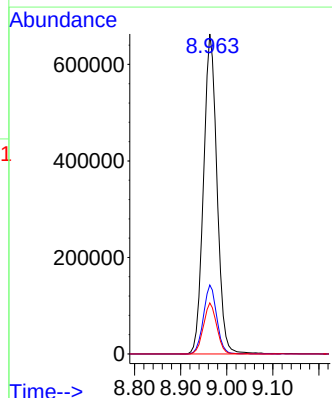
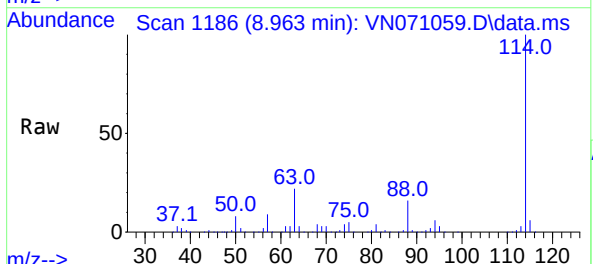
Tgt Ion: 114 Resp: 1356189

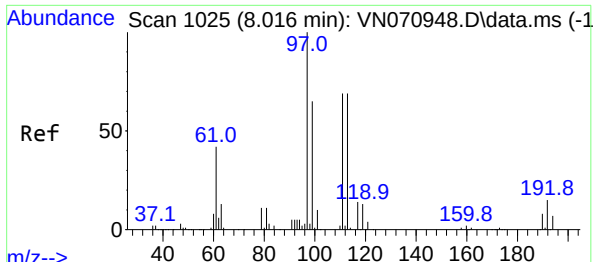
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.0 0.0 27.4

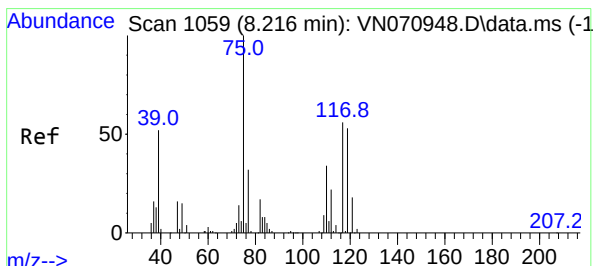
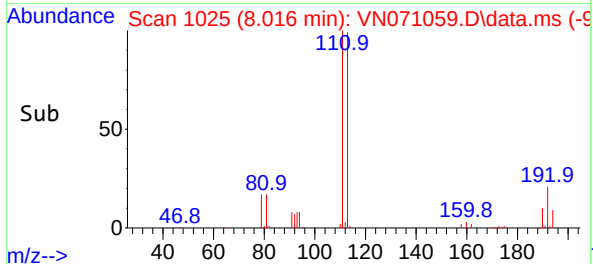
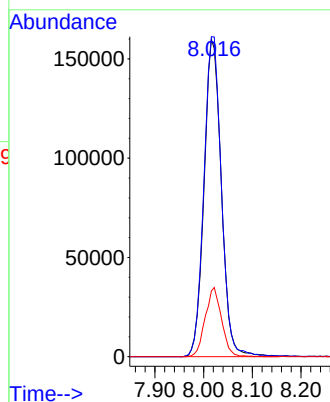
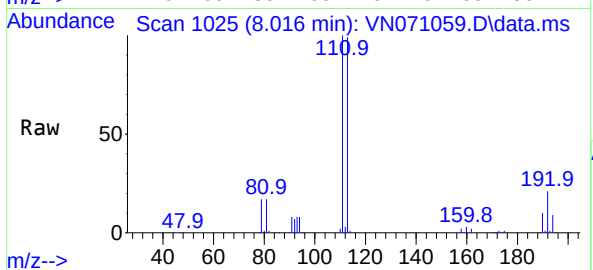




#35
Dibromofluoromethane
Concen: 48.751 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

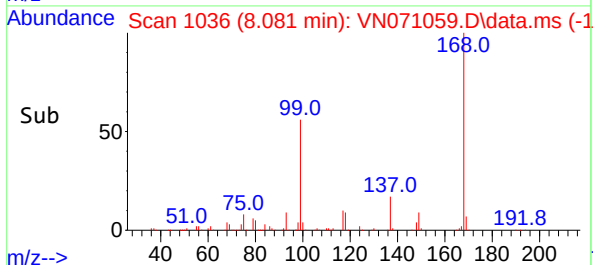
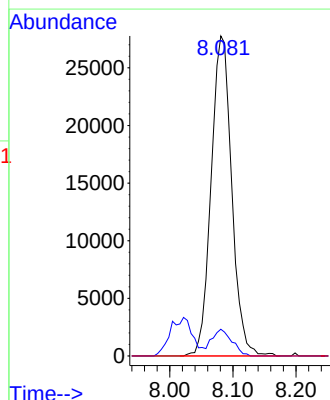
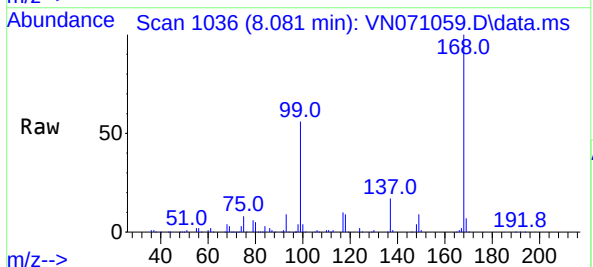
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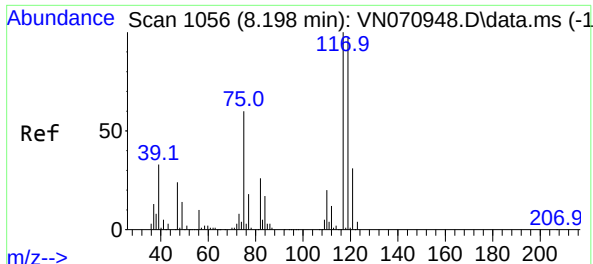
Tgt Ion:113 Resp: 393252
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 75 Resp: 62880
Ion Ratio Lower Upper
75 100
110 8.0 18.4 55.2#
77 0.0 24.4 36.6#

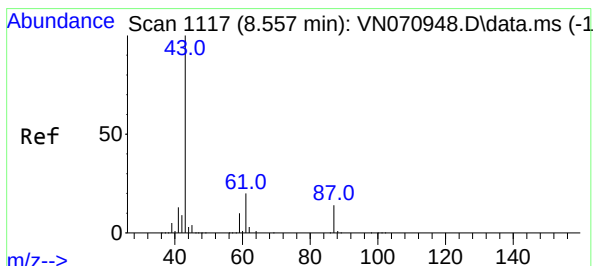
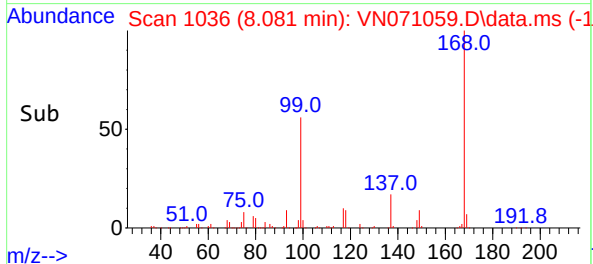
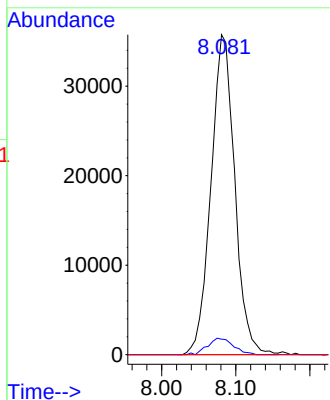
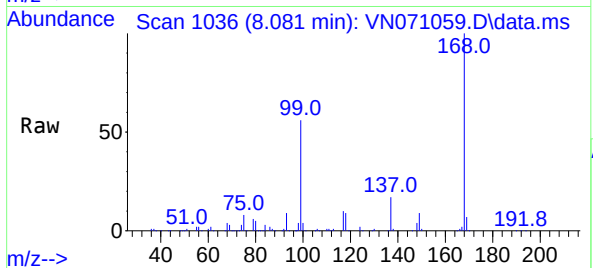




#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.118 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

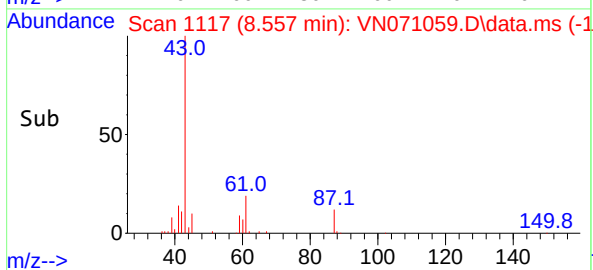
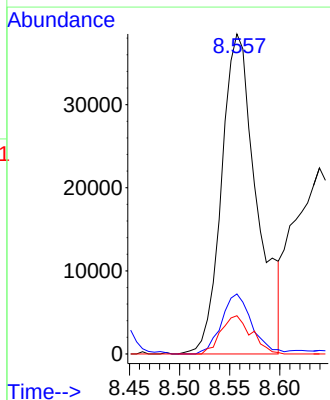
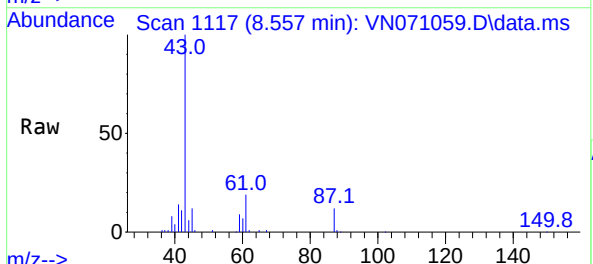
Instrument :
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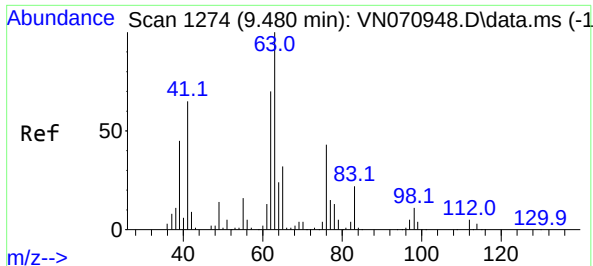
Tgt Ion:117 Resp: 79665
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.202 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 43 Resp: 93886
Ion Ratio Lower Upper
43 100
61 16.1 20.4 30.6#
87 10.3 11.2 16.8#

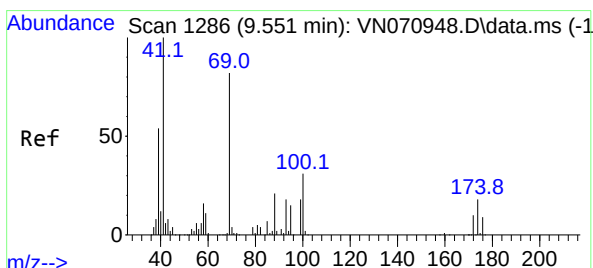
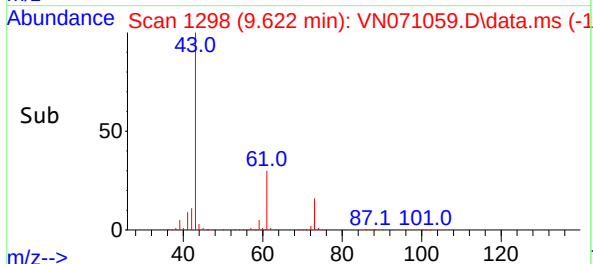
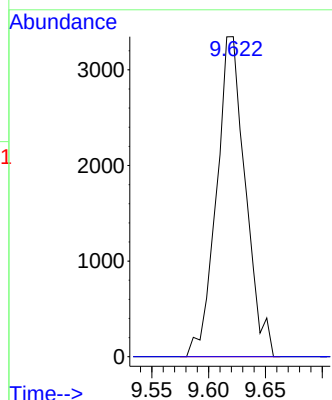
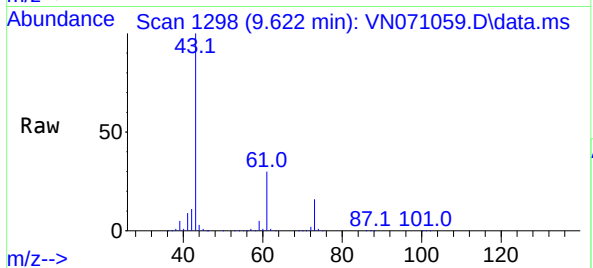




#45
1,2-Dichloropropane
Concen: 0.591 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.141 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

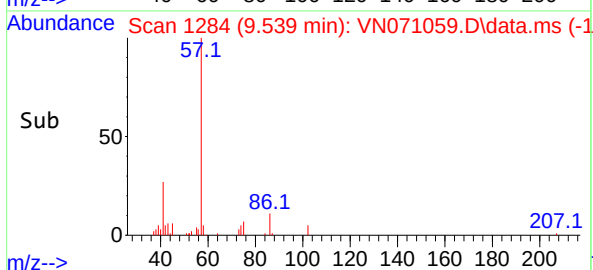
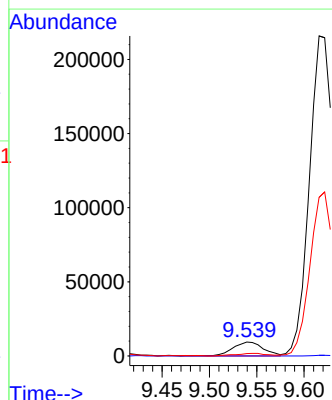
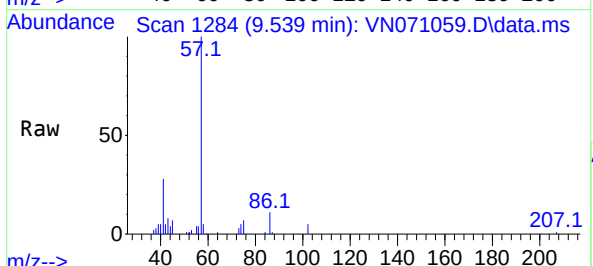
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

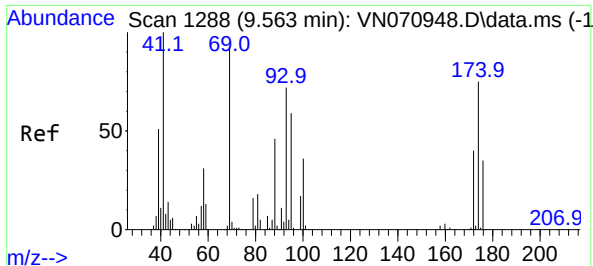
Tgt Ion: 63 Resp: 5921
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.001 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

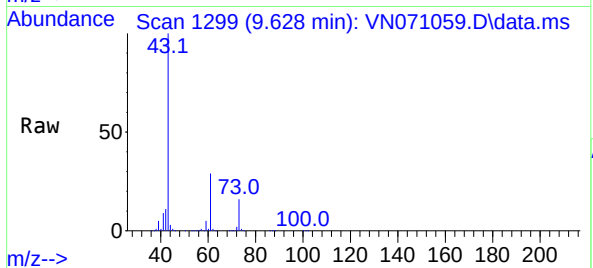
Tgt Ion: 41 Resp: 21158
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



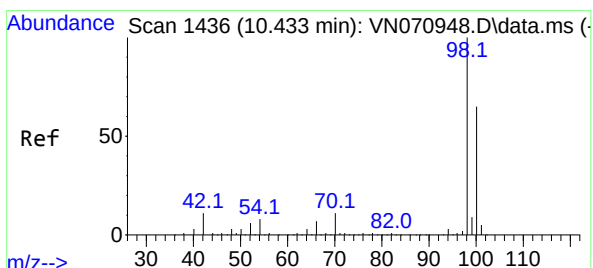
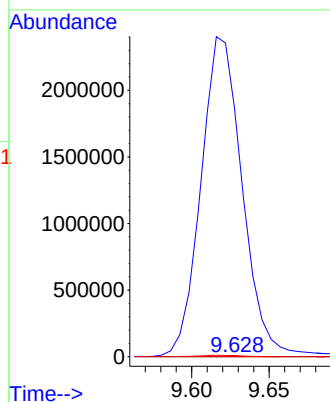
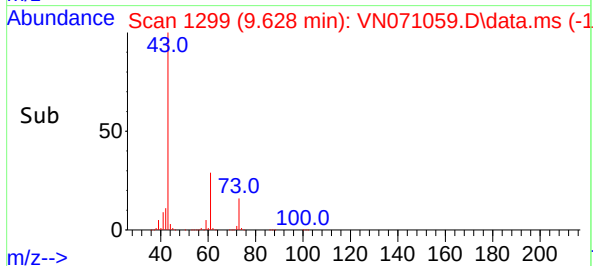


#49
1,4-Dioxane
Concen: 4.334 ug/l
RT: 9.628 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

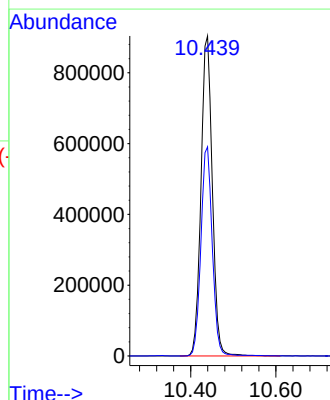
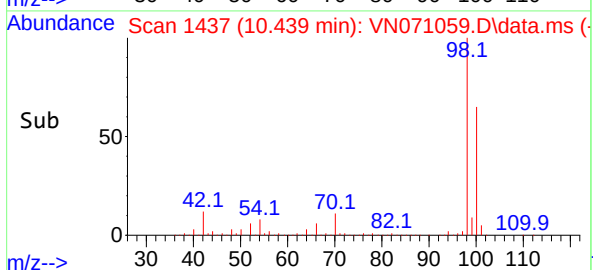
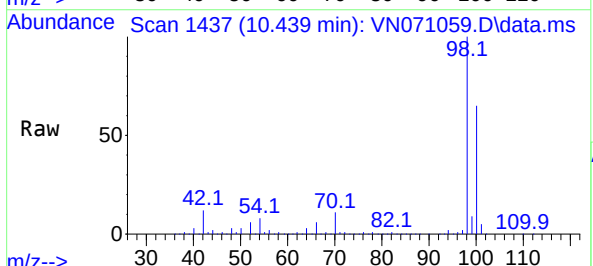


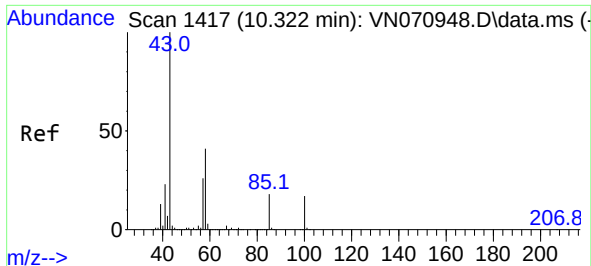
Tgt Ion: 88 Resp: 814
Ion Ratio Lower Upper
88 100
43 553271.9 23.4 35.2#
58 2526.5 50.6 75.8#



#50
Toluene-d8
Concen: 51.339 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 98 Resp: 1663126
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6

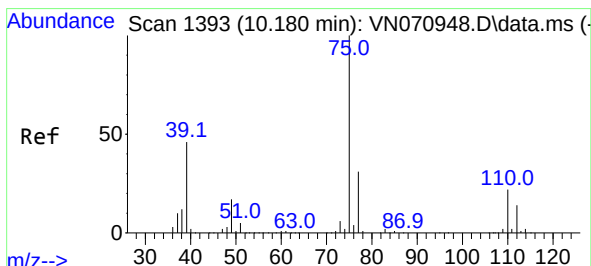
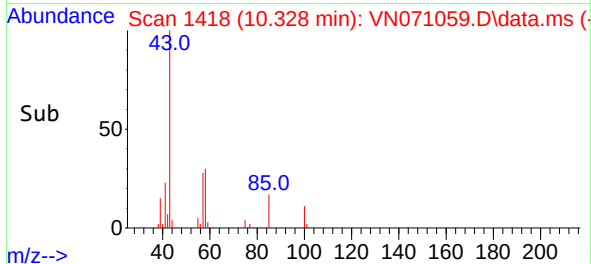
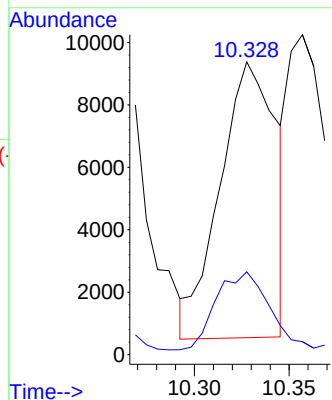
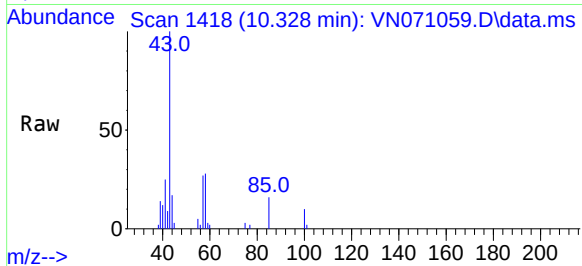




#51
4-Methyl-2-Pentanone
Concen: 1.336 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

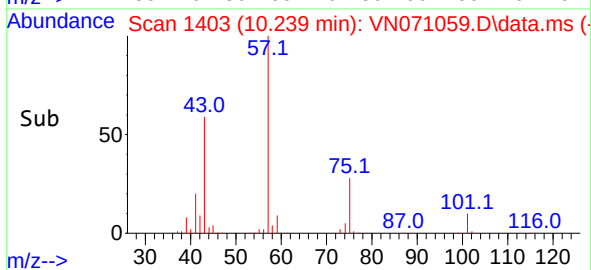
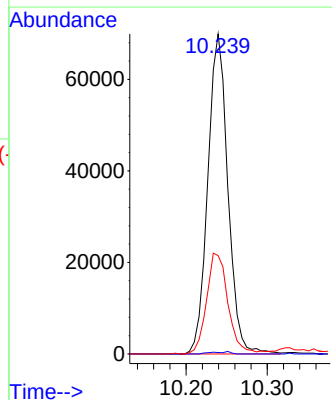
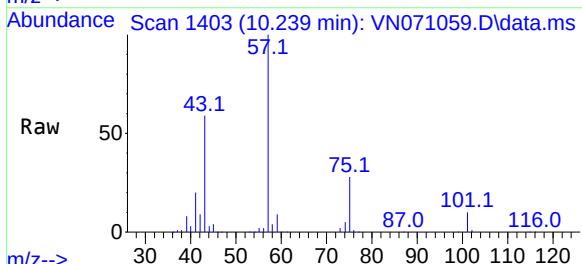
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

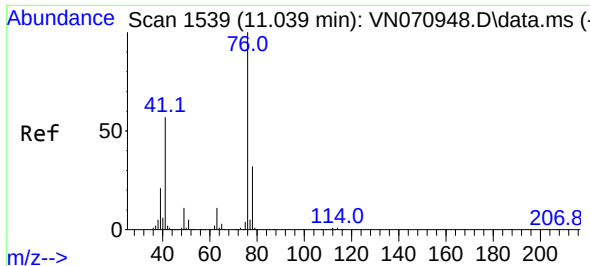
Tgt Ion: 43 Resp: 18161
Ion Ratio Lower Upper
43 100
58 31.3 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 7.548 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 75 Resp: 120053
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 30.7 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.535 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071059.D

Acq: 24 Feb 2022 16:44

Instrument :

MSVOA_N

ClientSampleId :

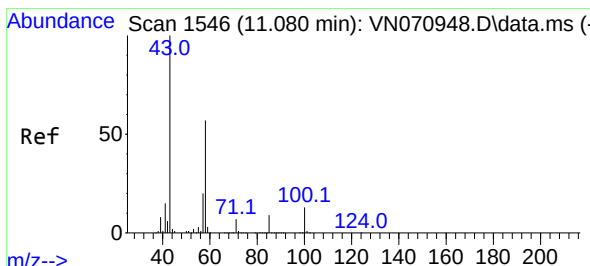
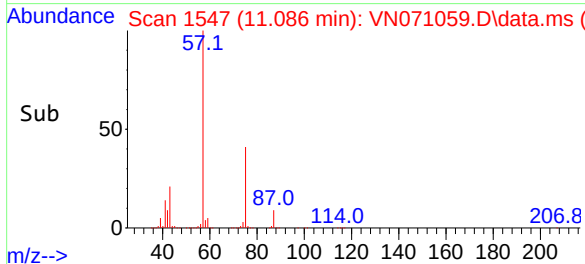
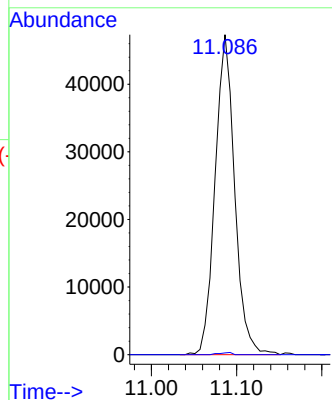
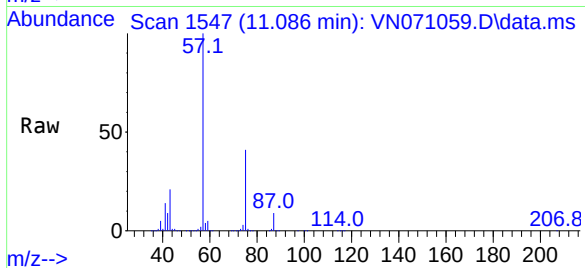
PB142888ZHE#05

Tgt Ion: 76 Resp: 75420

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 123.518 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071059.D

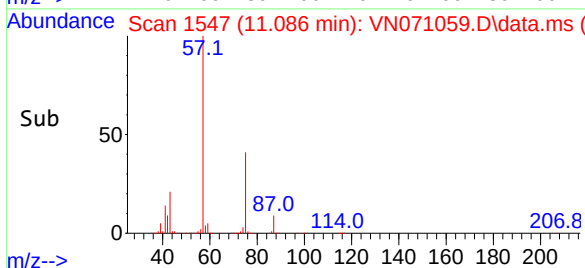
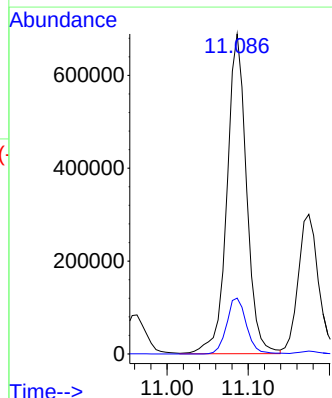
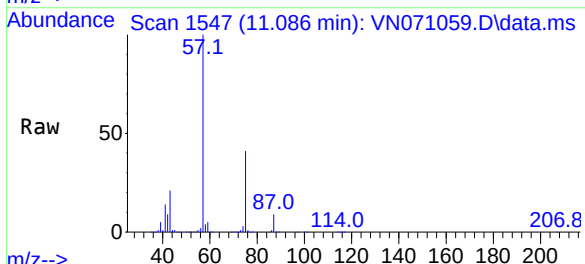
Acq: 24 Feb 2022 16:44

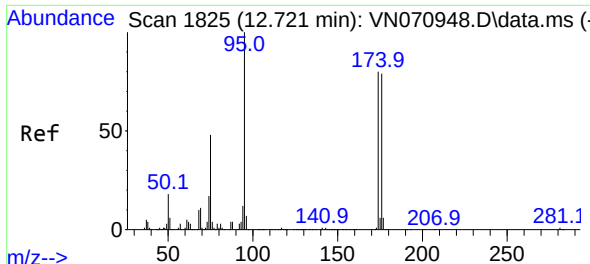
Tgt Ion: 43 Resp: 1154693

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.7#

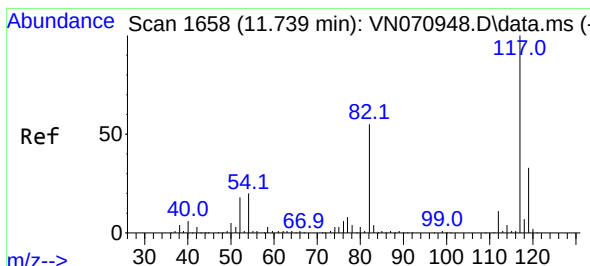
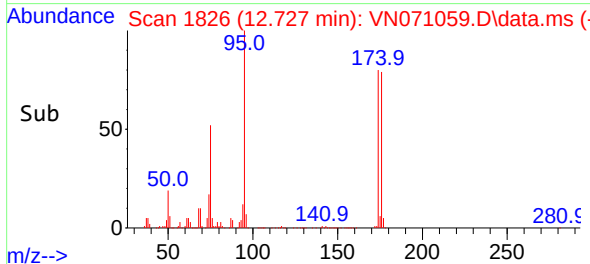
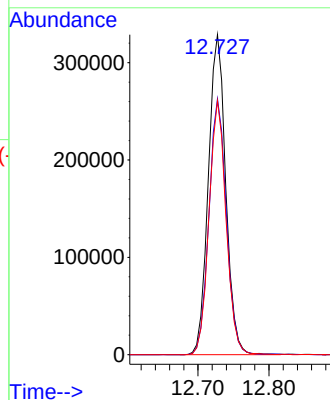
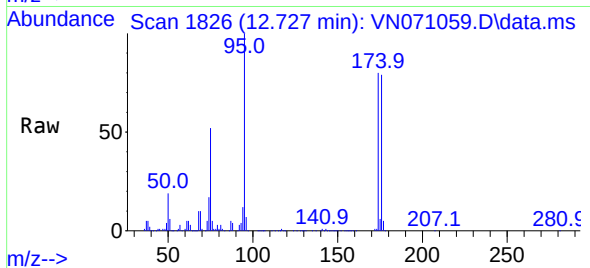




#62
4-Bromofluorobenzene
Concen: 48.319 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

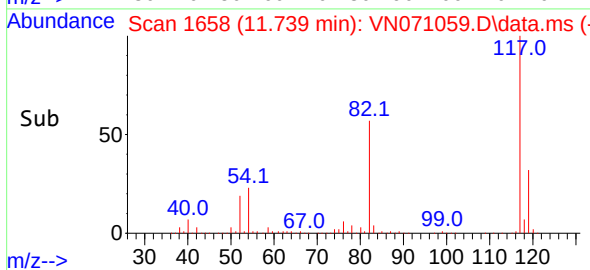
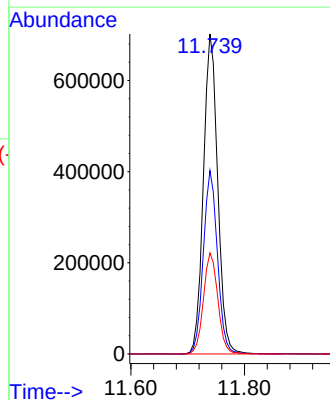
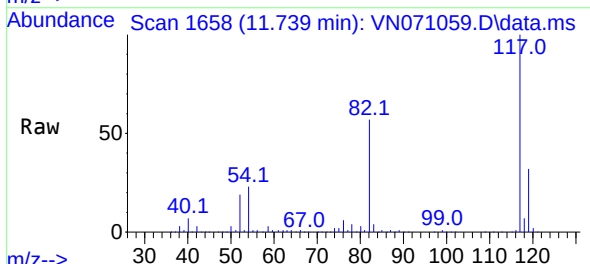
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

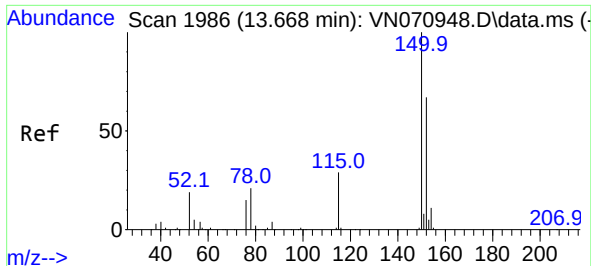
Tgt Ion: 95 Resp: 559502
Ion Ratio Lower Upper
95 100
174 80.3 0.0 187.2
176 78.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 117 Resp: 1226020
Ion Ratio Lower Upper
117 100
82 57.3 42.4 63.6
119 31.6 25.4 38.2

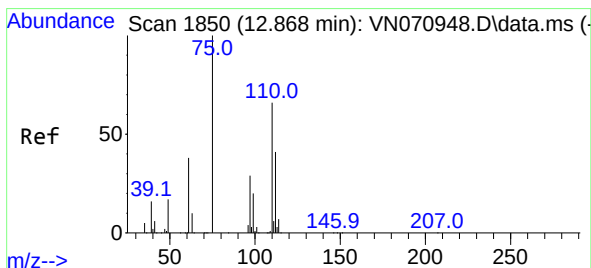
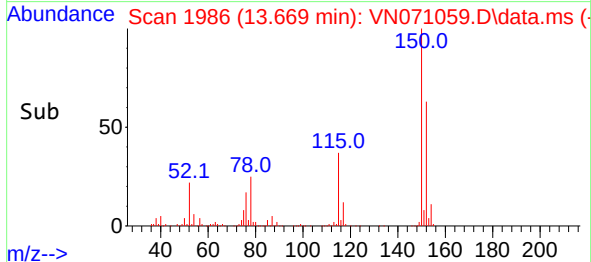
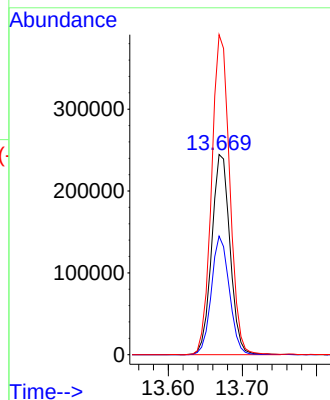
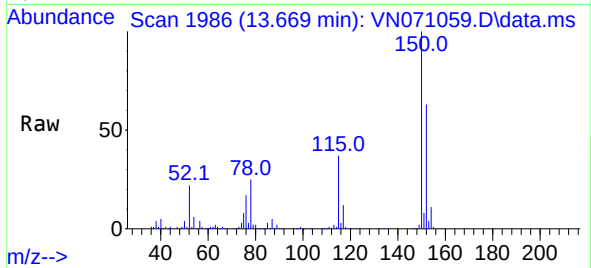




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071059.D
 Acq: 24 Feb 2022 16:44

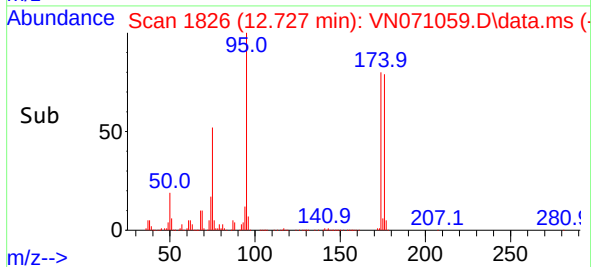
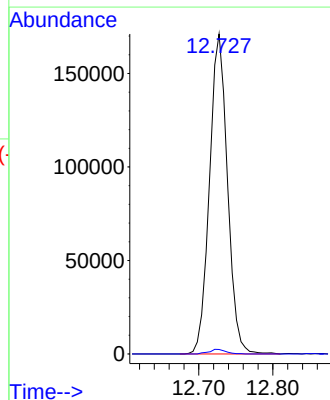
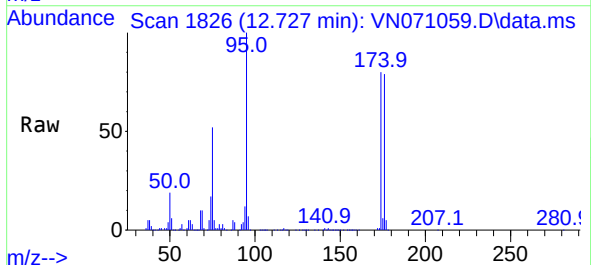
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#05

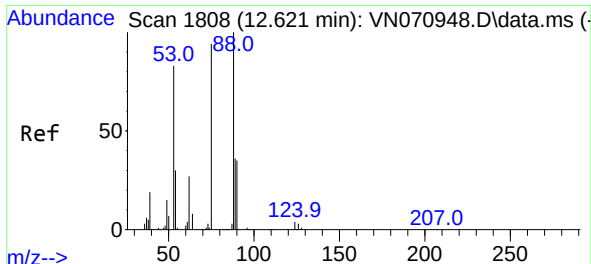
Tgt Ion:152 Resp: 419279
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.5 82.5
 150 158.4 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.220 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN071059.D
 Acq: 24 Feb 2022 16:44

Tgt Ion: 75 Resp: 288463
 Ion Ratio Lower Upper
 75 100
 77 1.4 82.6 247.8#

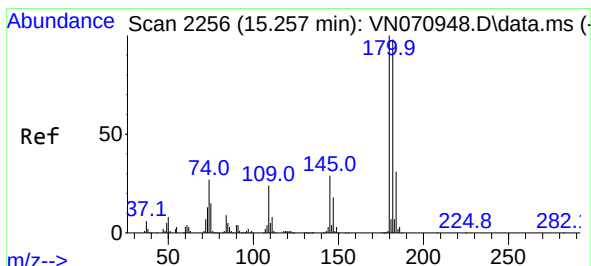
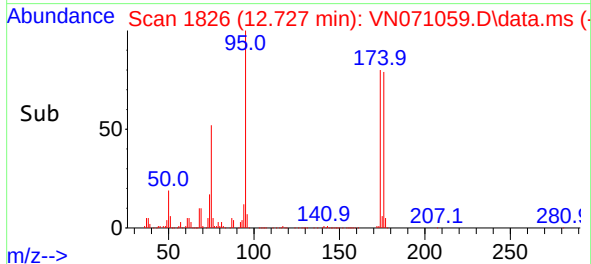
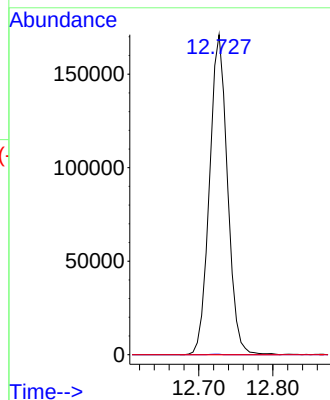
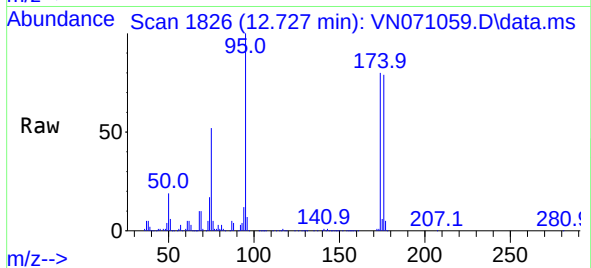




#81
trans-1,4-Dichloro-2-butene
Concen: 94.688 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

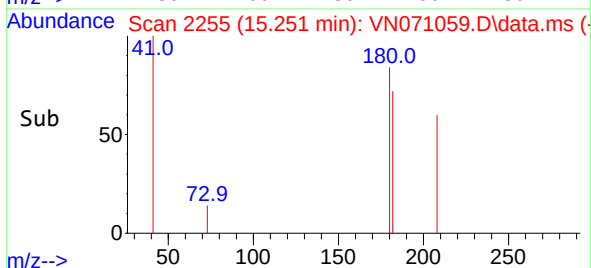
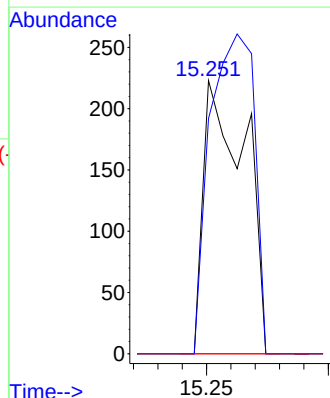
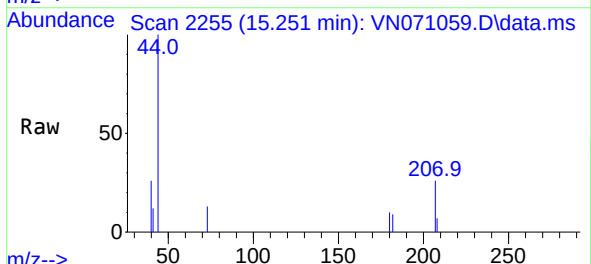
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

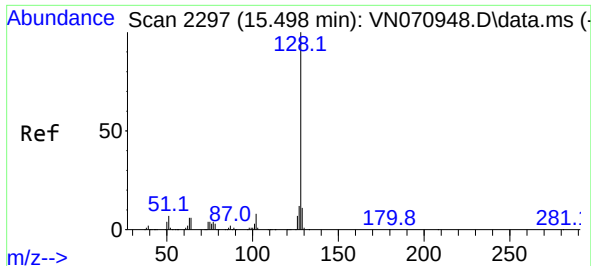
Tgt Ion: 75 Resp: 288463
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.032 ug/l
RT: 15.251 min Scan# 2255
Delta R.T. -0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion: 180 Resp: 264
Ion Ratio Lower Upper
180 100
182 125.0 48.3 144.9
145 0.0 14.5 43.5#

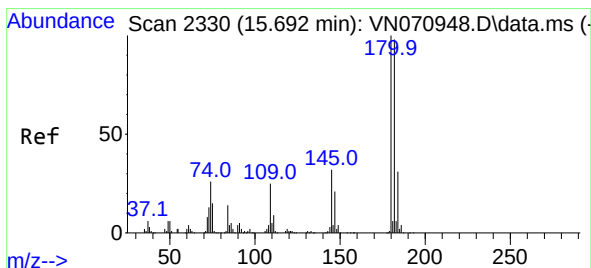
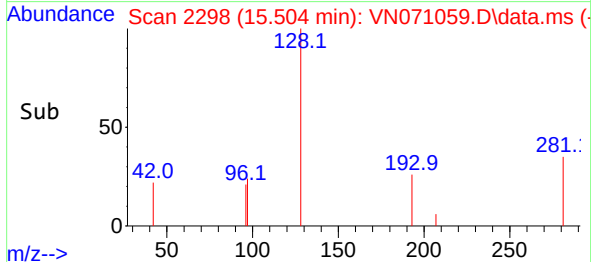
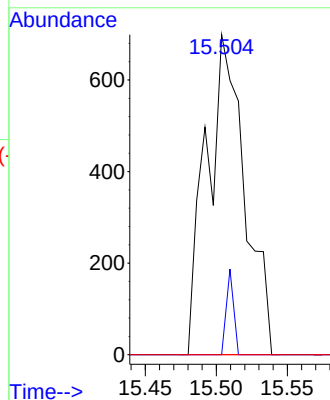
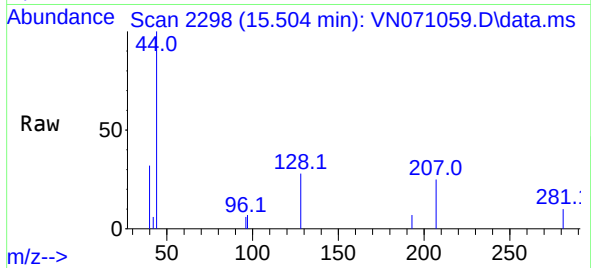




#95
Naphthalene
Concen: 5.053 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#05

Tgt Ion:128 Resp: 1310
Ion Ratio Lower Upper
128 100
127 5.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.543 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071059.D
Acq: 24 Feb 2022 16:44

Tgt Ion:180 Resp: 199
Ion Ratio Lower Upper
180 100
182 57.8 47.4 142.2
145 0.0 15.0 45.1#

