

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071058.D
 Acq On : 24 Feb 2022 16:20
 Operator : JC\MD
 Sample : PB142888TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888TB

Quant Time: Feb 25 02:44:39 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)

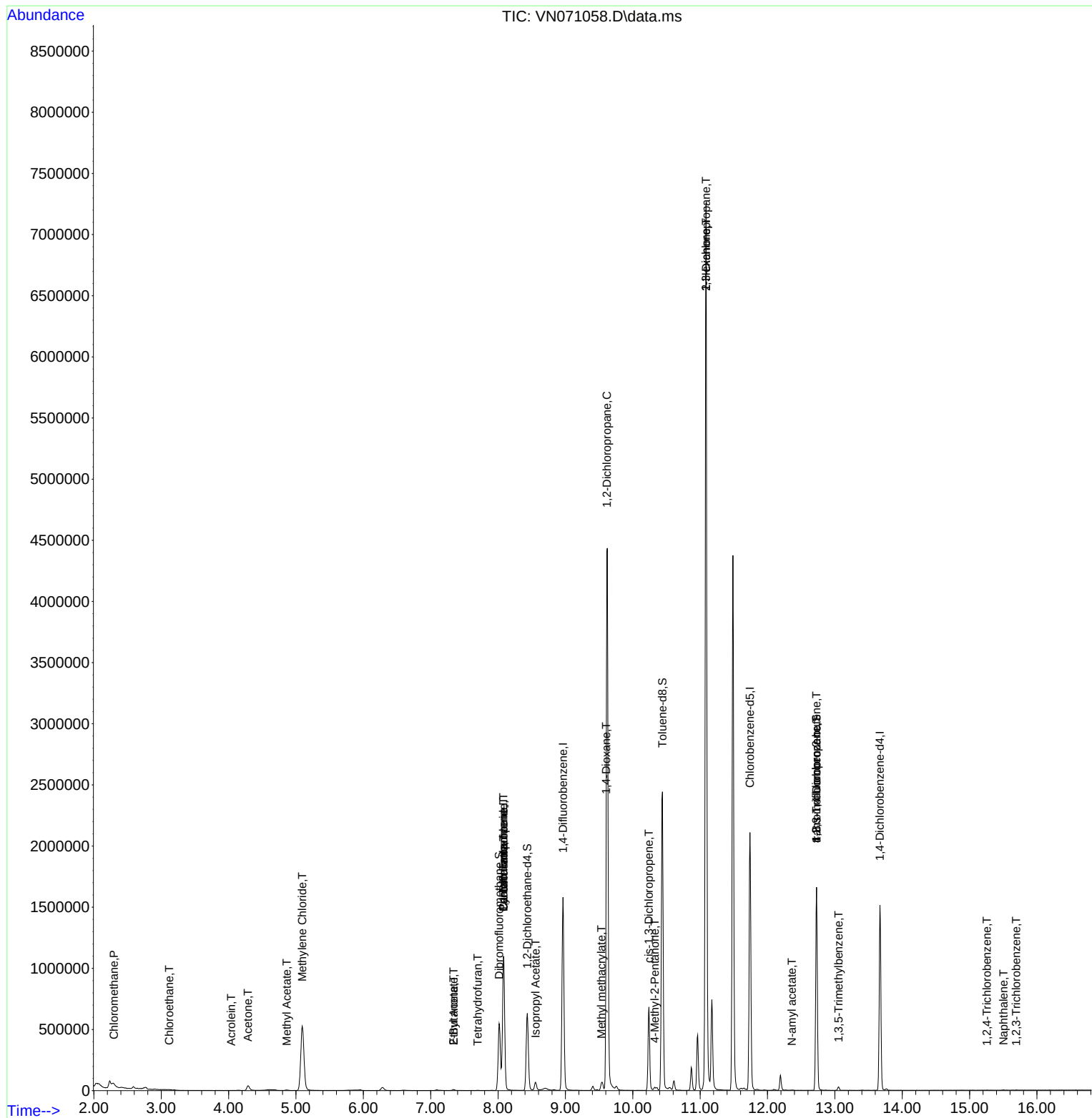
Internal Standards						
1) Pentafluorobenzene	8.081	168	851296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1361791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1242459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	423925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	523303	53.813	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.620%	
35) Dibromofluoromethane	8.016	113	403721	49.842	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.680%	
50) Toluene-d8	10.439	98	1689696	51.945	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.727	95	576622	49.593	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3693	0.332	ug/l	96
6) Chloroethane	3.116	64	3636	0.498	ug/l #	42
13) Acrolein	4.040	56	365	0.230	ug/l #	48
16) Acetone	4.287	43	68837	12.854	ug/l	91
18) Methyl Acetate	4.863	43	10351	0.284	ug/l	97
20) Methylene Chloride	5.093	84	431141	44.296	ug/l	92
25) 2-Butanone	7.340	43	14035	1.970	ug/l #	83
29) Tetrahydrofuran	7.698	42	1489	0.323	ug/l #	69
31) Cyclohexane	8.081	56	17436	1.037	ug/l #	4
36) 1,1-Dichloropropene	8.081	75	65606	4.944	ug/l #	49
37) Ethyl Acetate	7.340	43	14035	0.986	ug/l #	68
38) Carbon Tetrachloride	8.081	117	81764	6.253	ug/l #	16
43) Isopropyl Acetate	8.557	43	76264	3.400	ug/l #	91
45) 1,2-Dichloropropane	9.616	63	5785	0.575	ug/l #	44
48) Methyl methacrylate	9.534	41	20019	1.885	ug/l #	8
49) 1,4-Dioxane	9.604	88	269	1.426	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	19108	1.400	ug/l	91
54) cis-1,3-Dichloropropene	10.239	75	119334	7.472	ug/l #	61
57) 1,3-Dichloropropane	11.086	76	75776	4.537	ug/l #	43
59) 2-Hexanone	11.086	43	1157203	123.278	ug/l #	49
74) N-amyl acetate	12.363	43	3502	0.321	ug/l #	43
76) 1,2,3-Trichloropropane	12.727	75	290925	29.147	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	13717	0.496	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	290925	94.449	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	468	2.056	ug/l #	63
95) Naphthalene	15.504	128	1917	5.081	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.692	180	562	2.590	ug/l #	85

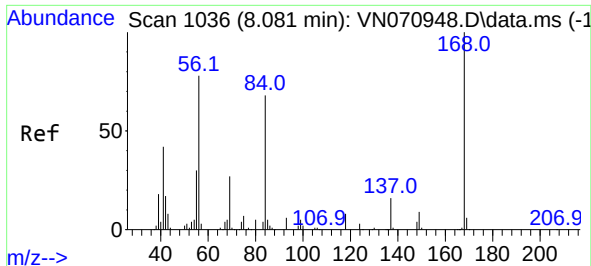
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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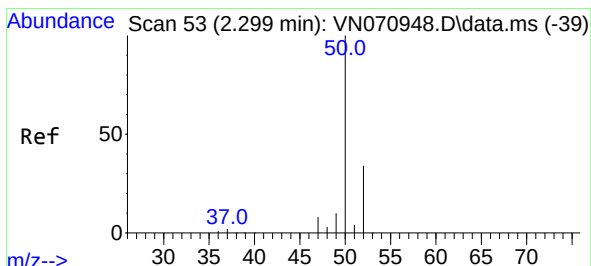
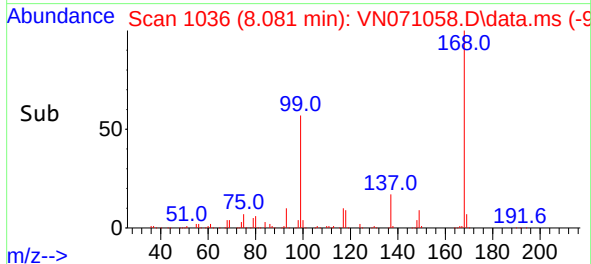
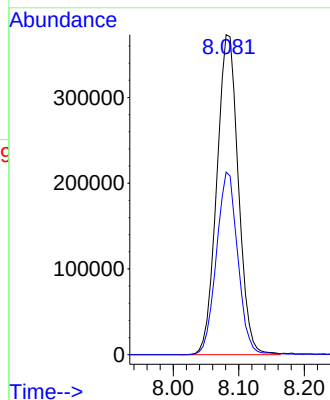
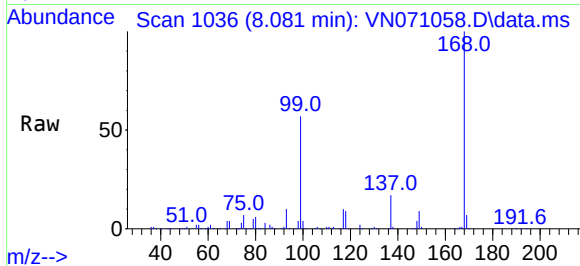




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

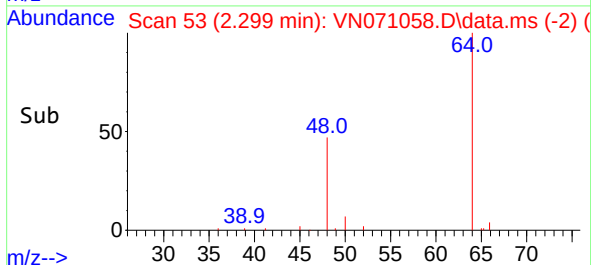
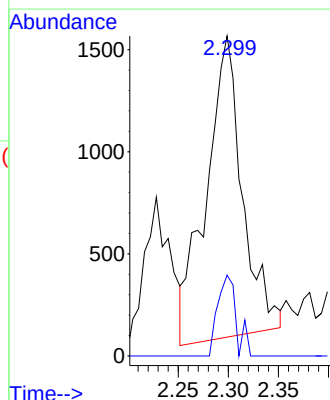
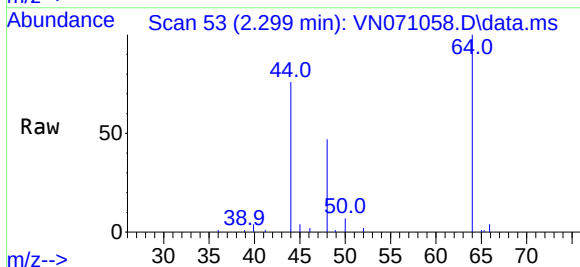
Instrument :
MSVOA_N
ClientSampleId :
PB142888TB

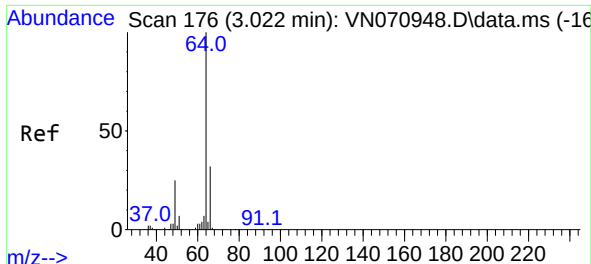
Tgt Ion:168 Resp: 851296
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#3
Chloromethane
Concen: 0.332 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 50 Resp: 3693
Ion Ratio Lower Upper
50 100
52 29.4 25.4 38.0

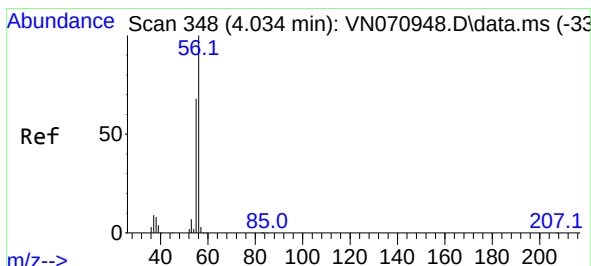
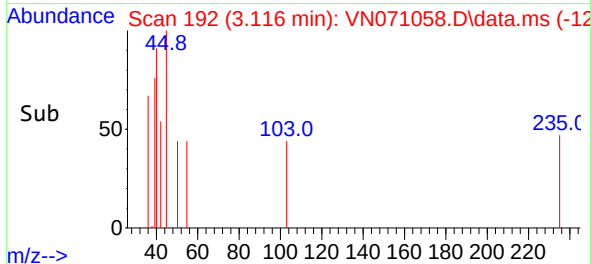
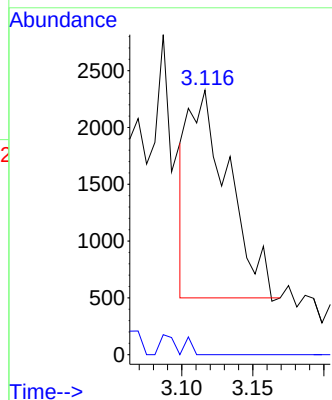
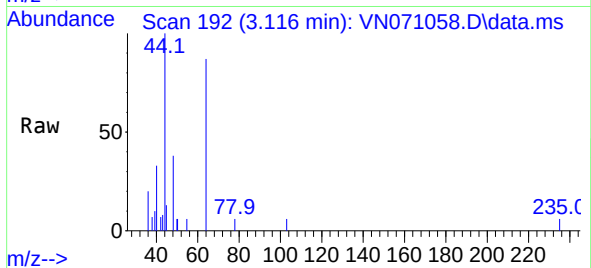




#6
Chloroethane
Concen: 0.498 ug/l
RT: 3.116 min Scan# 192
Delta R.T. 0.094 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

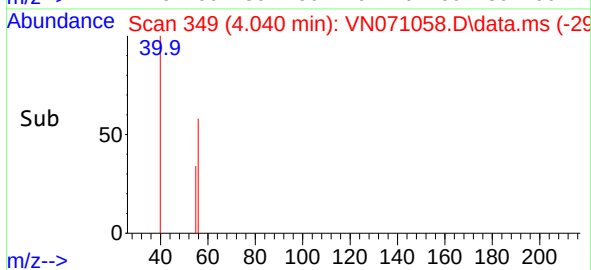
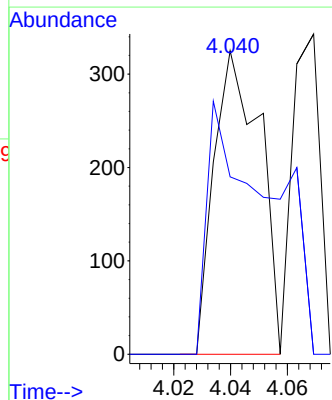
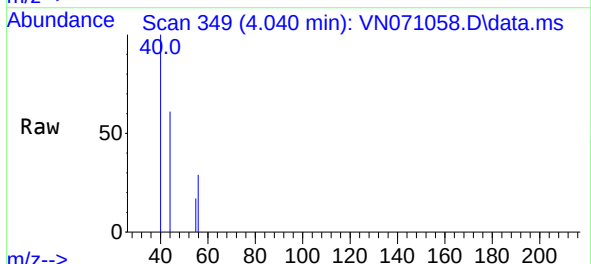
Instrument :
MSVOA_N
ClientSampleId :
PB142888TB

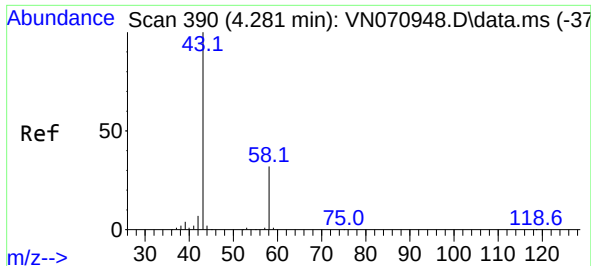
Tgt Ion: 64 Resp: 3636
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#13
Acrolein
Concen: 0.230 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 114.0 56.6 85.0#

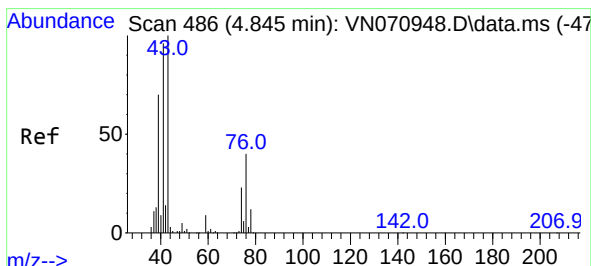
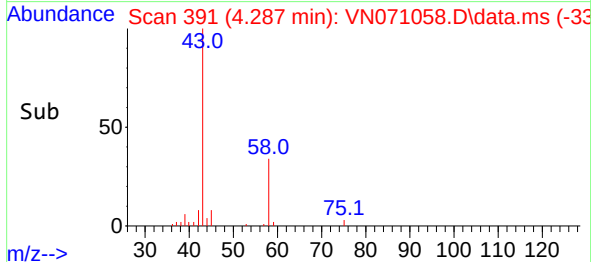
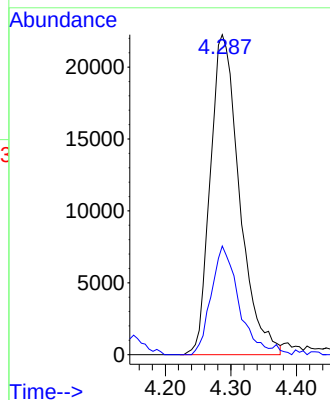
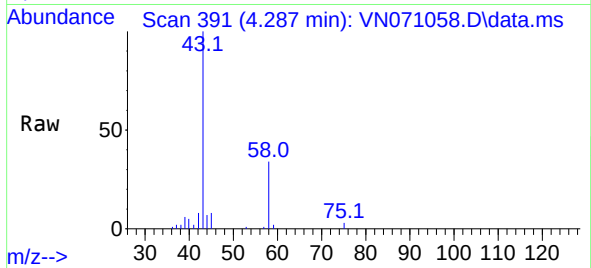




#16
Acetone
Concen: 12.854 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

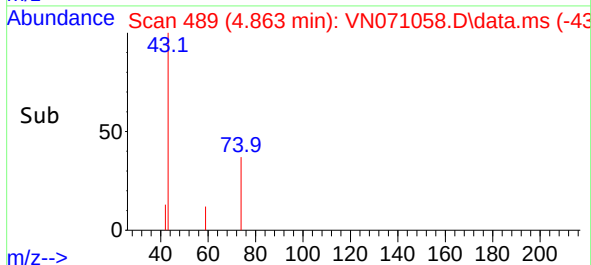
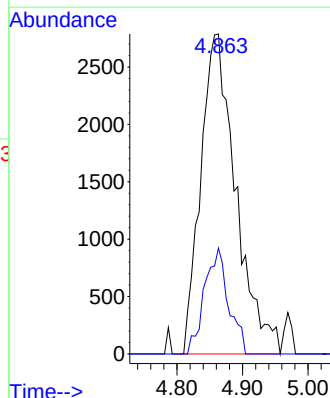
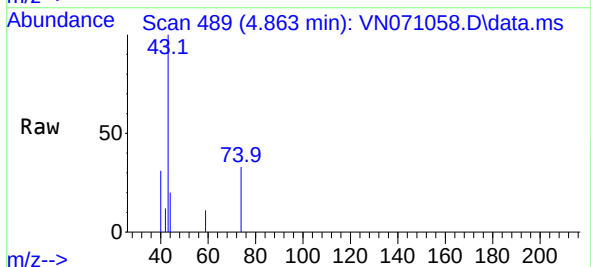
Instrument :
MSVOA_N
ClientSampleId :
PB142888TB

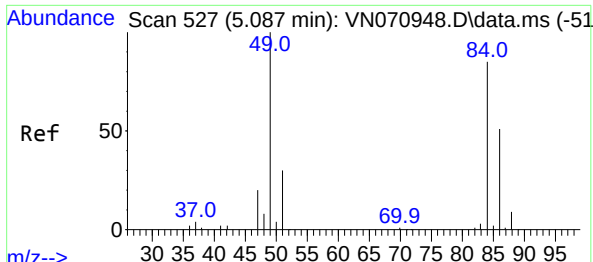
Tgt Ion: 43 Resp: 68837
Ion Ratio Lower Upper
43 100
58 33.9 23.1 34.7



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

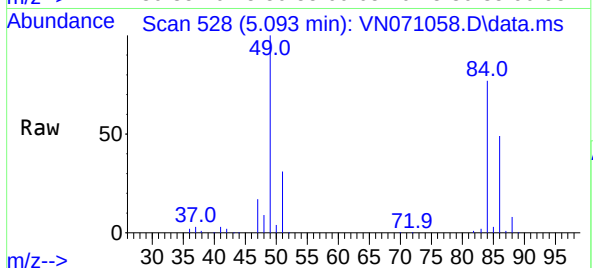
Tgt Ion: 43 Resp: 10351
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2





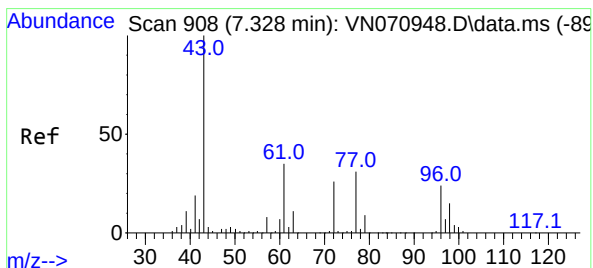
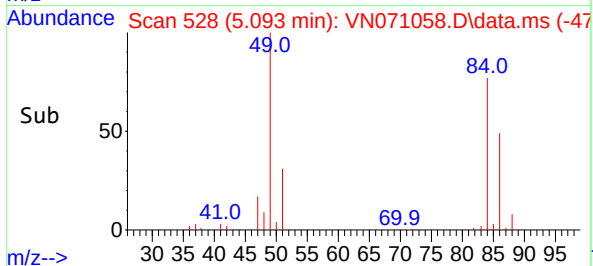
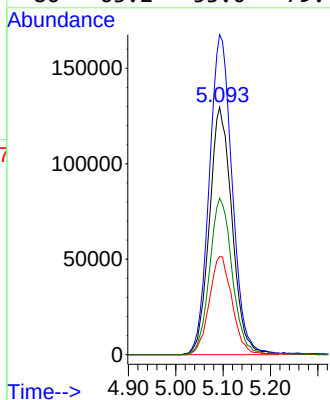
#20
Methylene Chloride
Concen: 44.296 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Instrument :
MSVOA_N
ClientSampleId :
PB142888TB



Tgt Ion: 84 Resp: 431141

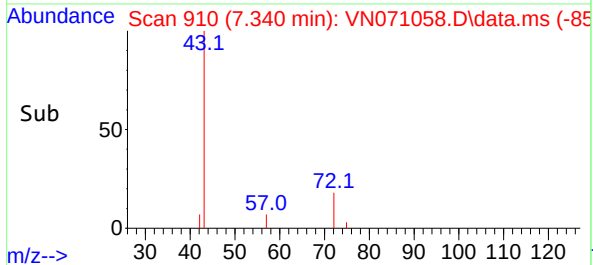
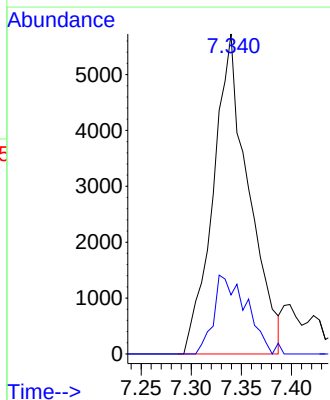
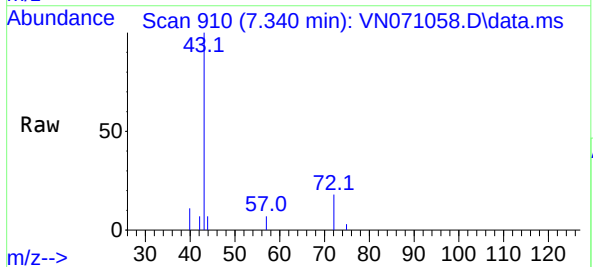
Ion	Ratio	Lower	Upper
84	100		
49	129.3	93.5	140.3
51	39.6	29.4	44.2
86	63.2	53.0	79.4

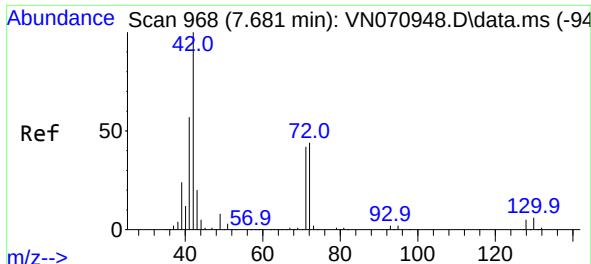


#25
2-Butanone
Concen: 1.970 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 43 Resp: 14035

Ion	Ratio	Lower	Upper
43	100		
72	18.5	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071058.D

Acq: 24 Feb 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

PB142888TB

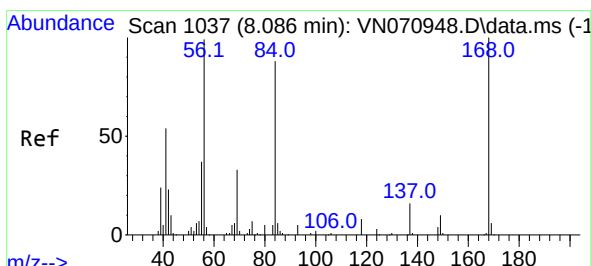
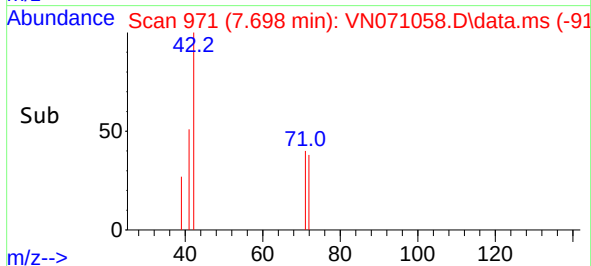
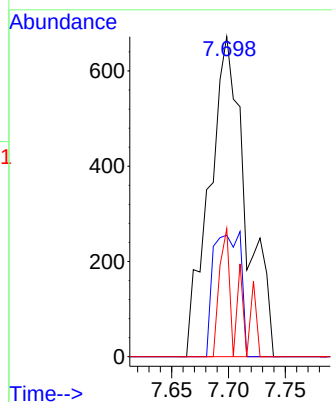
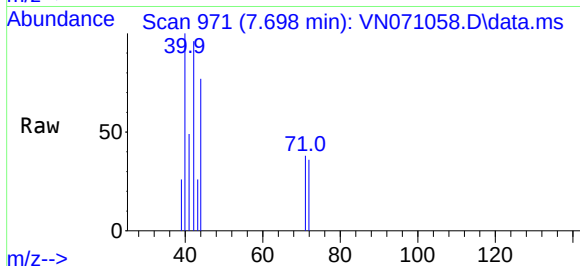
Tgt Ion: 42 Resp: 1489

Ion Ratio Lower Upper

42 100

72 29.1 36.3 54.5#

71 19.3 34.7 52.1#



#31

Cyclohexane

Concen: 1.037 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071058.D

Acq: 24 Feb 2022 16:20

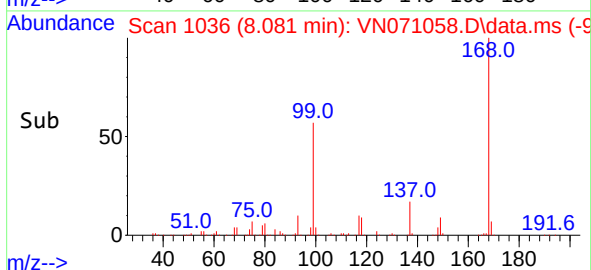
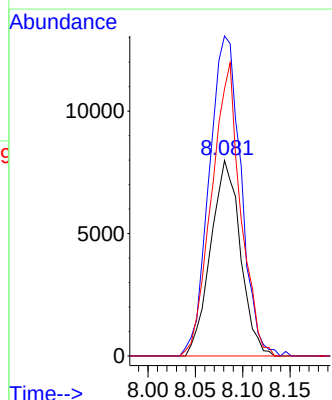
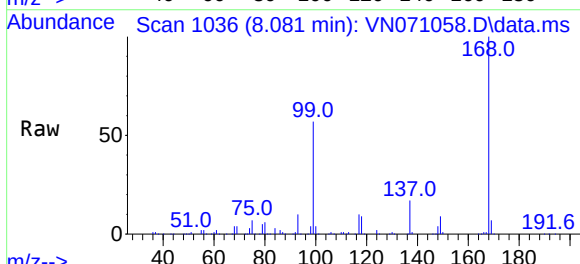
Tgt Ion: 56 Resp: 17436

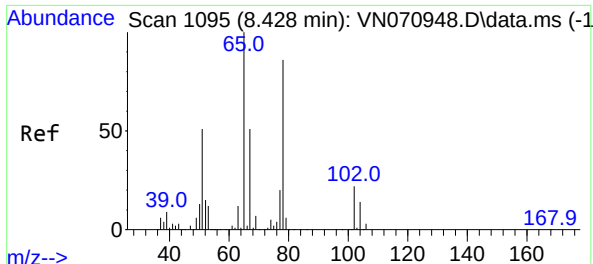
Ion Ratio Lower Upper

56 100

69 163.6 27.1 40.7#

84 136.6 73.4 110.0#

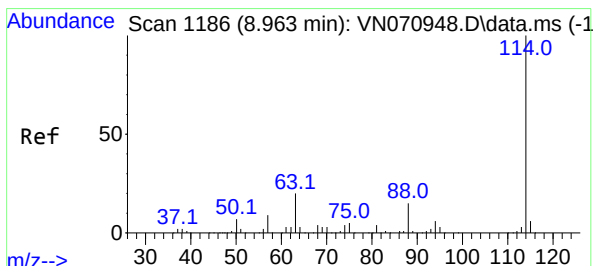
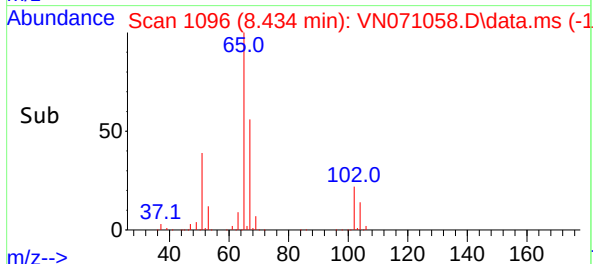
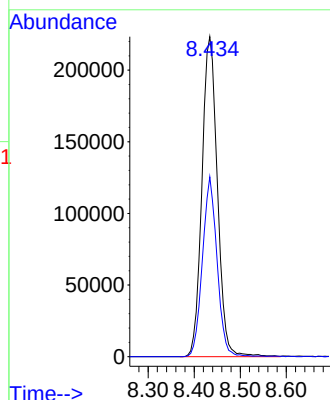
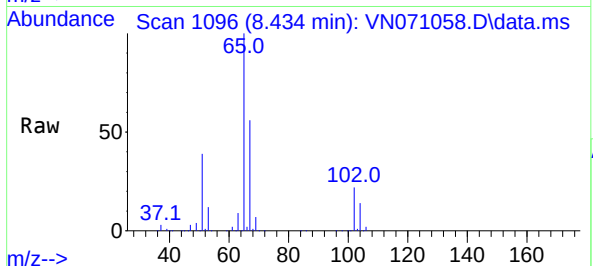




#33
1,2-Dichloroethane-d4
Concen: 53.813 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

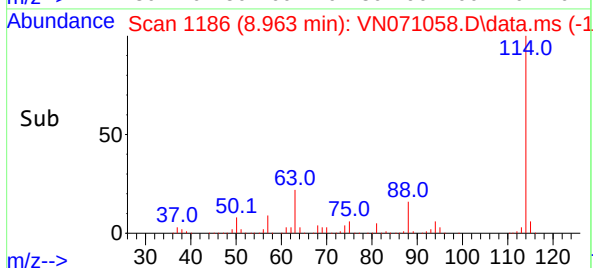
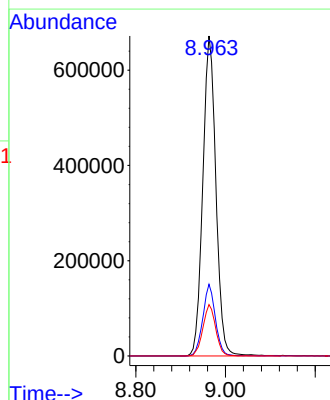
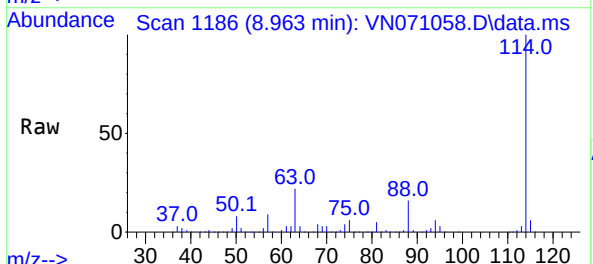
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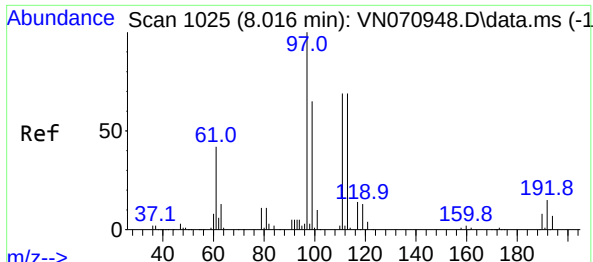
Tgt Ion: 65 Resp: 523303
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 114 Resp: 1361791
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 16.0 0.0 27.4

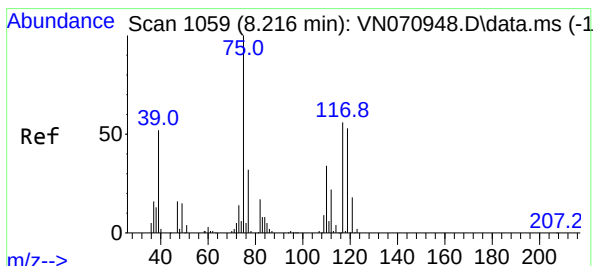
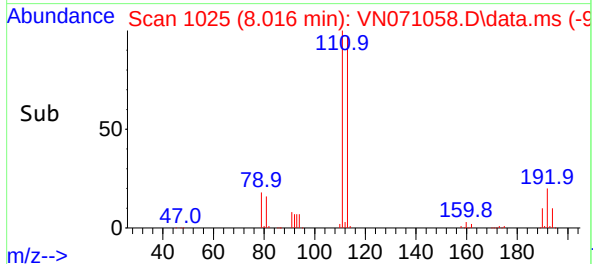
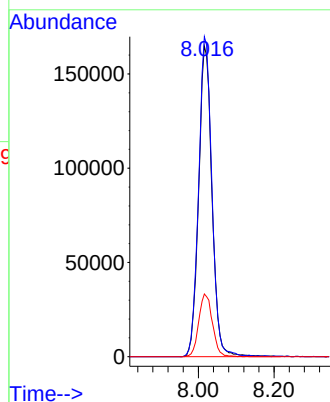
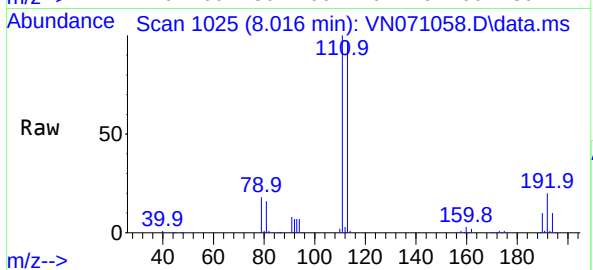




#35
Dibromofluoromethane
Concen: 49.842 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

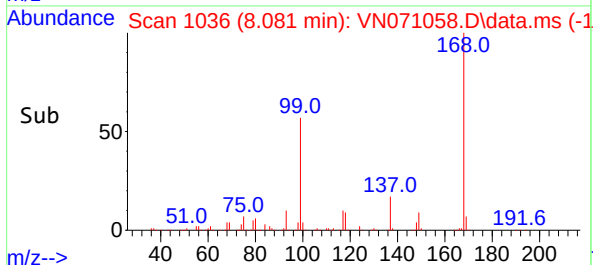
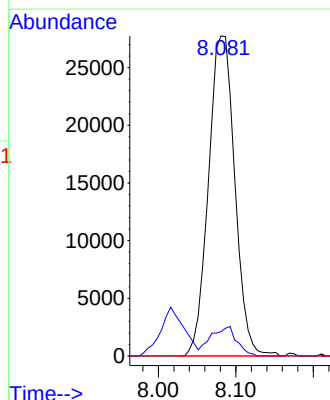
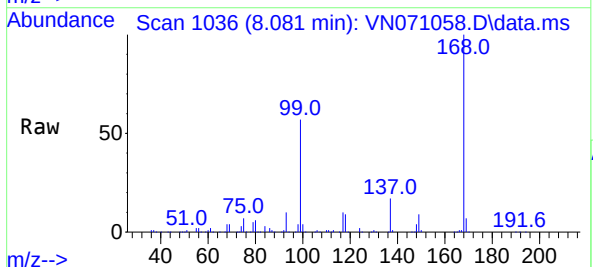
Instrument :
MSVOA_N
ClientSampleId :
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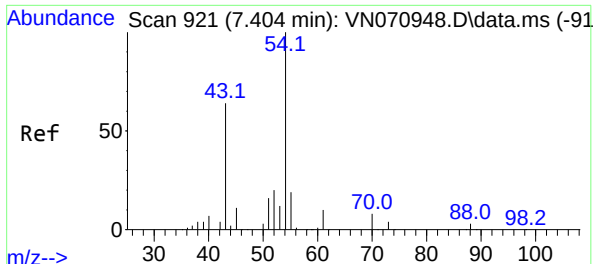
Tgt Ion:113 Resp: 403721
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 75 Resp: 65606
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

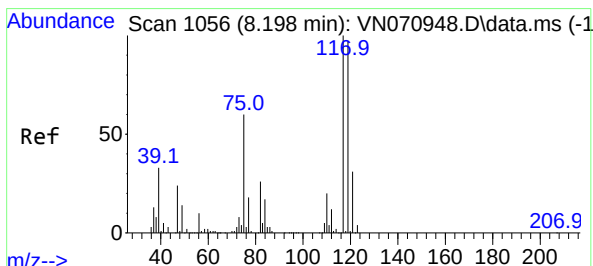
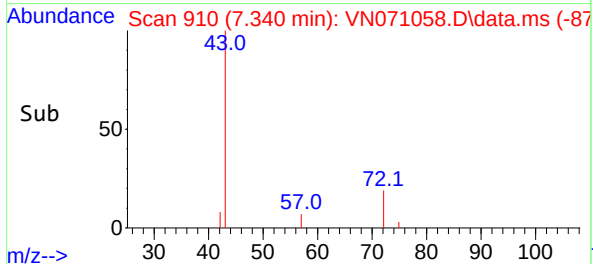
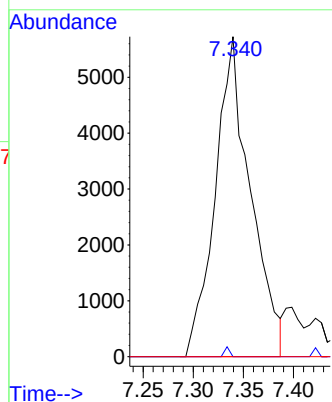
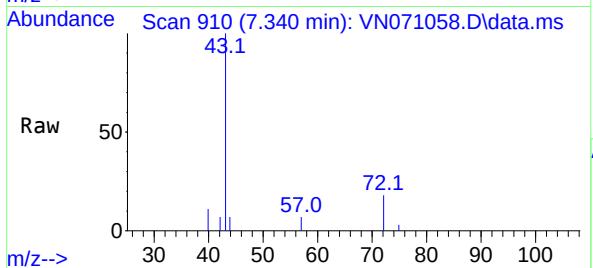




#37
Ethyl Acetate
Concen: 0.986 ug/l
RT: 7.340 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

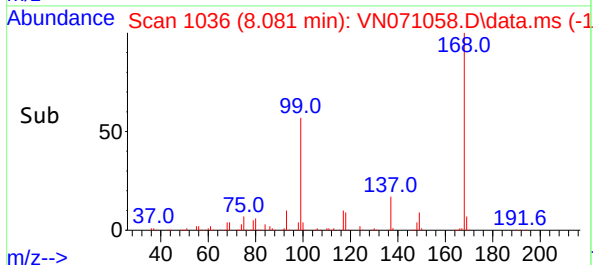
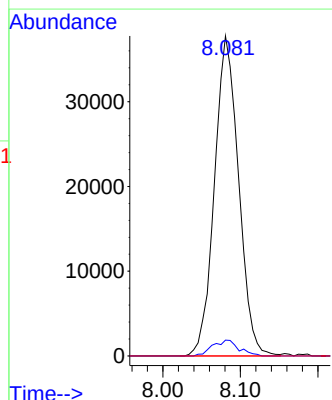
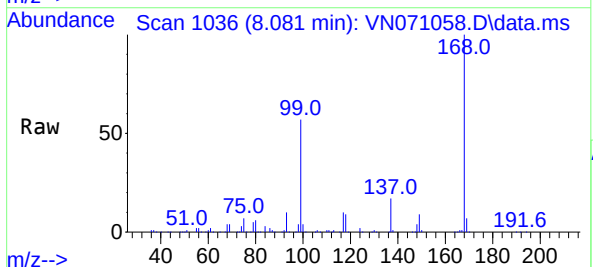
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ClientSampleId :
PB142888TB

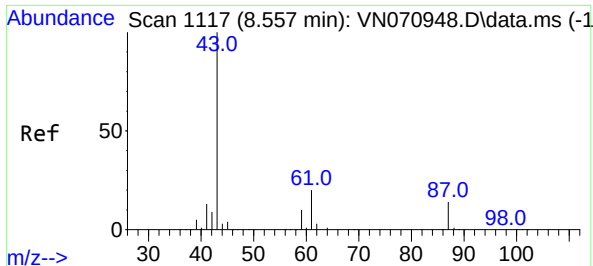
Tgt Ion: 43 Resp: 14035
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.117 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 117 Resp: 81764
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.400 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. 0.000 min

Lab File: VN071058.D

Acq: 24 Feb 2022 16:20

Instrument :

MSVOA_N

ClientSampleId :

PB142888TB

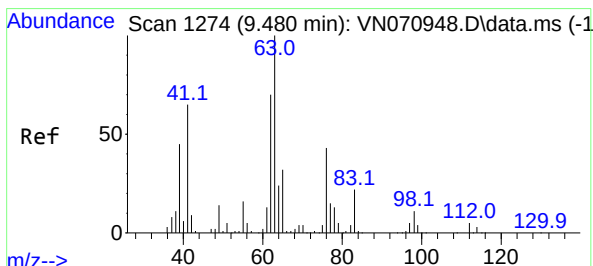
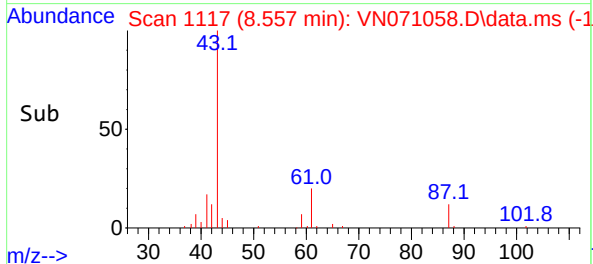
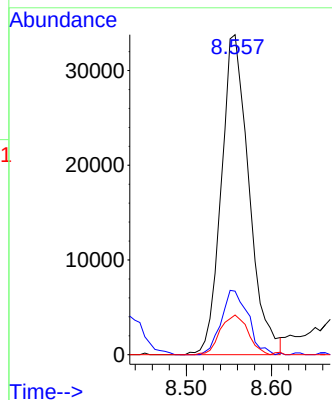
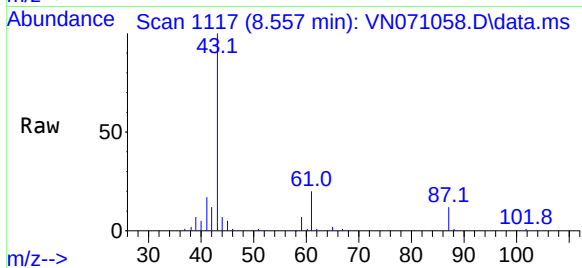
Tgt Ion: 43 Resp: 76264

Ion Ratio Lower Upper

43 100

61 19.5 20.4 30.6#

87 12.4 11.2 16.8



#45

1,2-Dichloropropane

Concen: 0.575 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.135 min

Lab File: VN071058.D

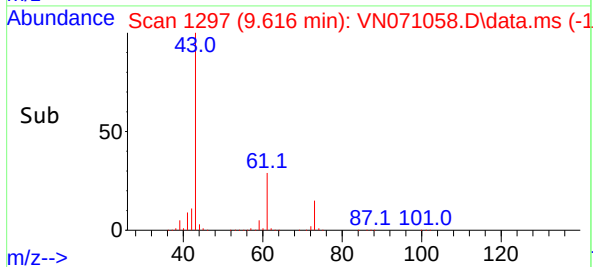
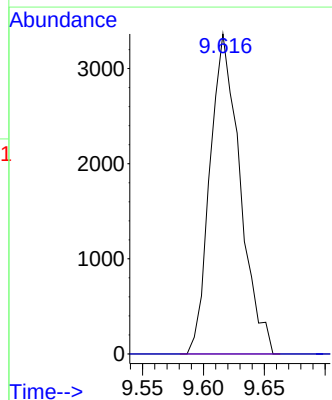
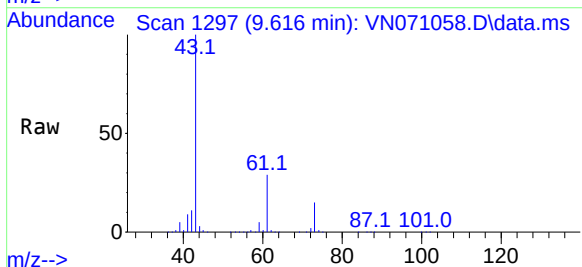
Acq: 24 Feb 2022 16:20

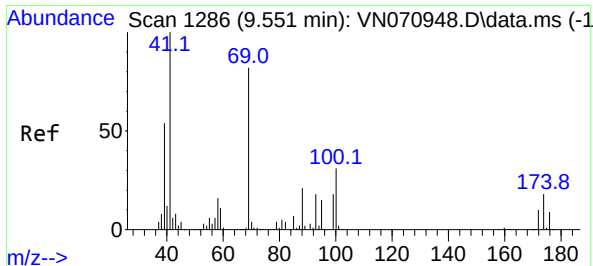
Tgt Ion: 63 Resp: 5785

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

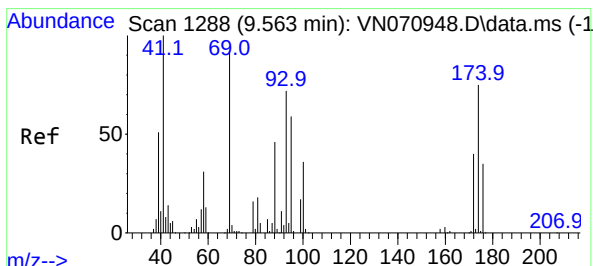
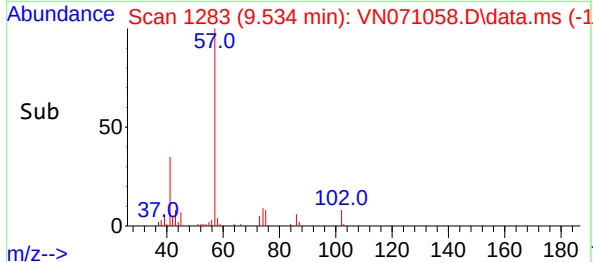
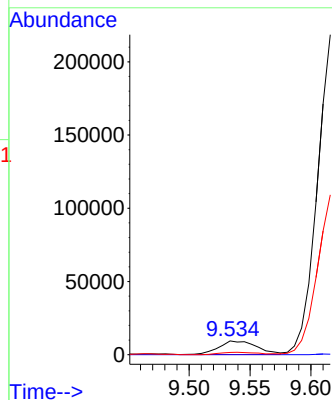
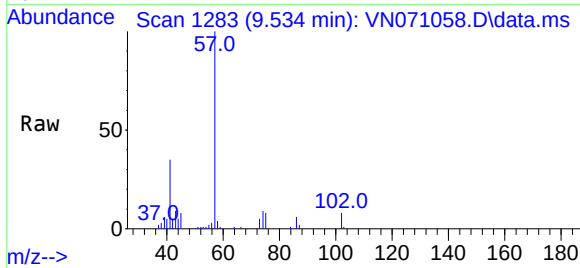




#48
Methyl methacrylate
Concen: 1.885 ug/l
RT: 9.534 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

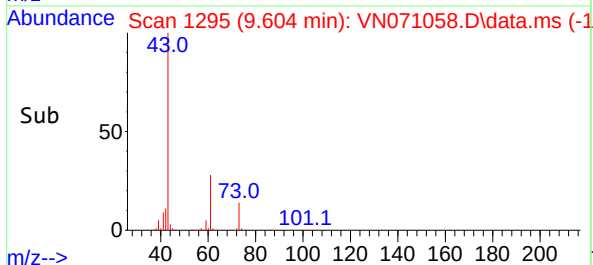
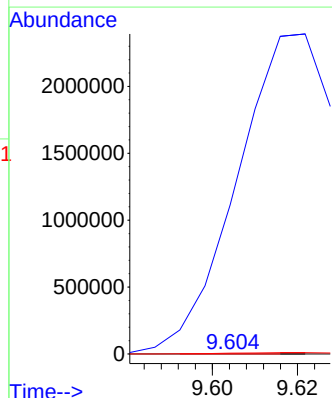
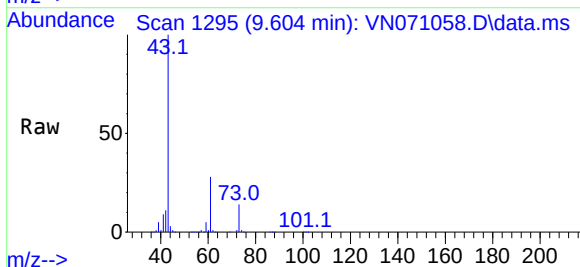
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MSVOA_N
ClientSampleId :
PB142888TB

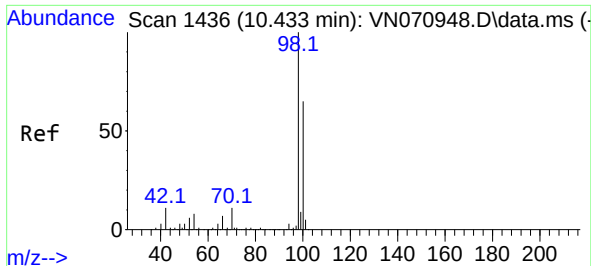
Tgt Ion: 41 Resp: 20019
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.426 ug/l
RT: 9.604 min Scan# 1295
Delta R.T. 0.041 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 88 Resp: 269
Ion Ratio Lower Upper
88 100
43 1670261.7 23.4 35.2#
58 7100.4 50.6 75.8#

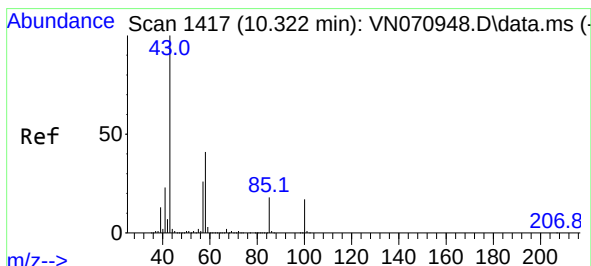
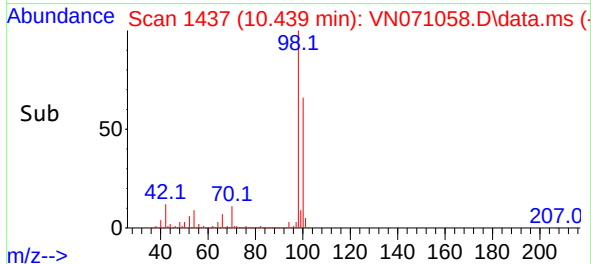
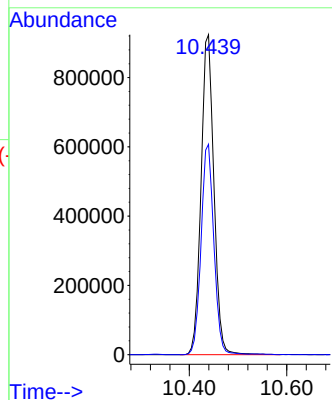
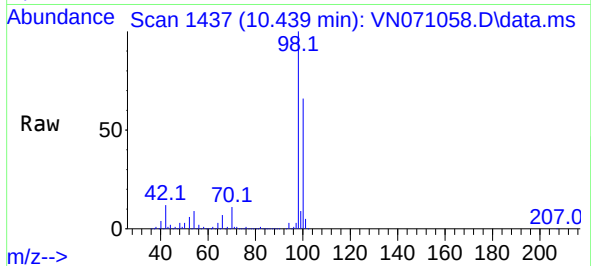




#50
Toluene-d8
Concen: 51.945 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

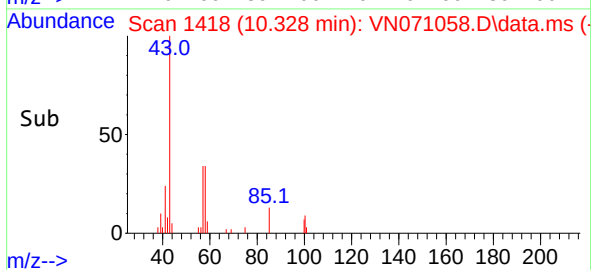
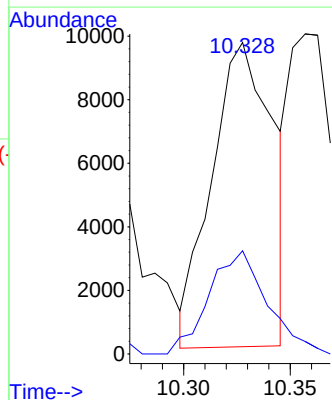
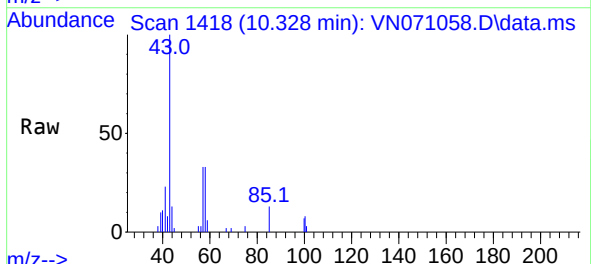
Instrument :
MSVOA_N
ClientSampleId :
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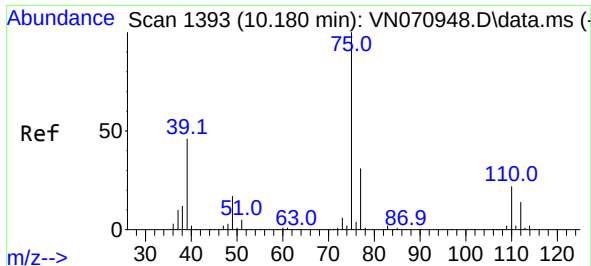
Tgt Ion: 98 Resp: 1689696
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.400 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 43 Resp: 19108
Ion Ratio Lower Upper
43 100
58 32.4 30.4 45.6

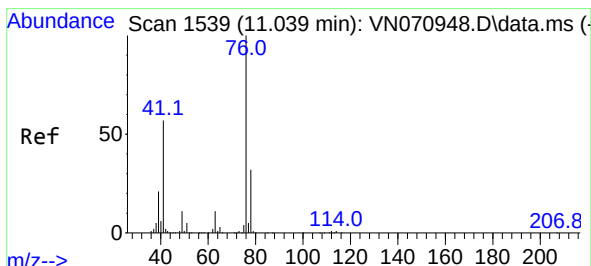
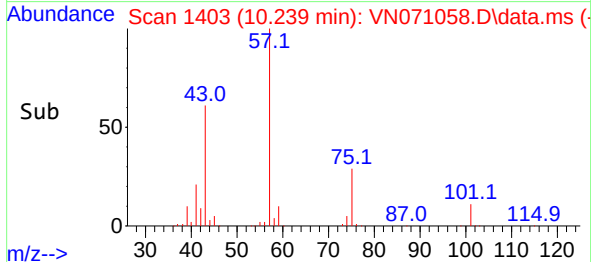
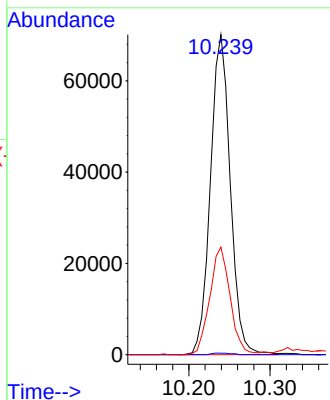
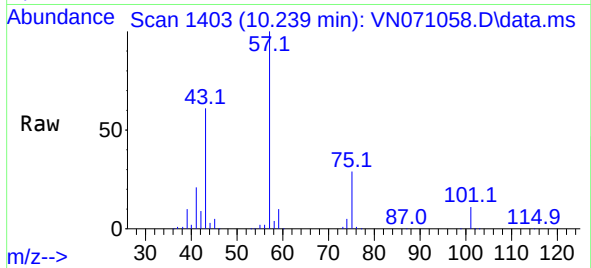




#54
 cis-1,3-Dichloropropene
 Concen: 7.472 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.059 min
 Lab File: VN071058.D
 Acq: 24 Feb 2022 16:20

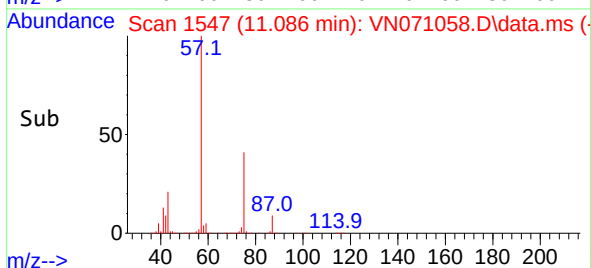
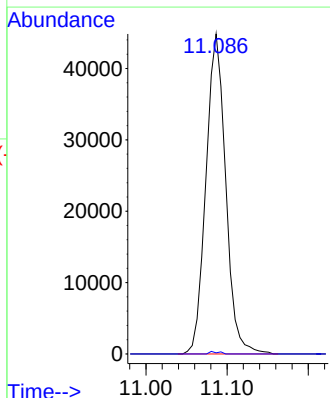
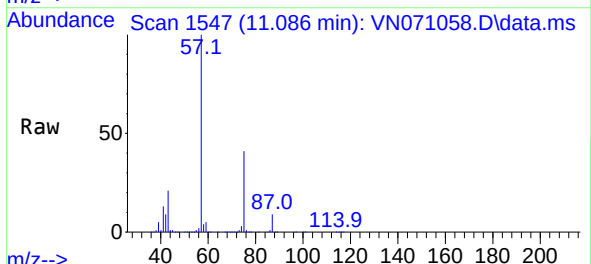
Instrument :
 MSVOA_N
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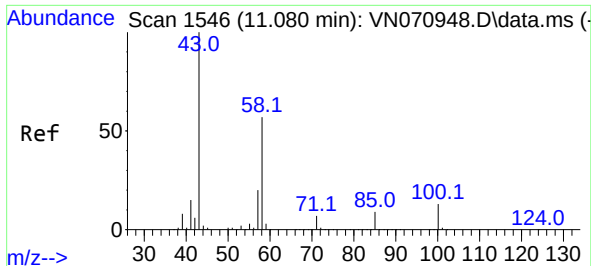
Tgt Ion: 75 Resp: 119334
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 33.6 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.537 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071058.D
 Acq: 24 Feb 2022 16:20

Tgt Ion: 76 Resp: 75776
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

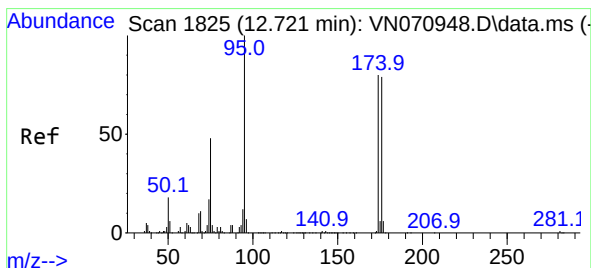
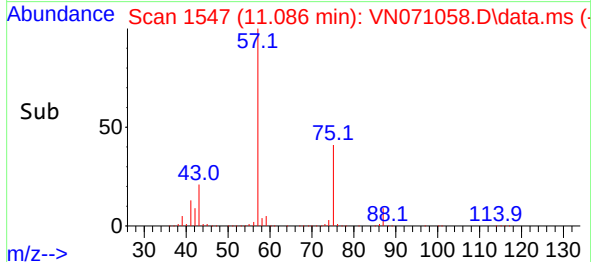
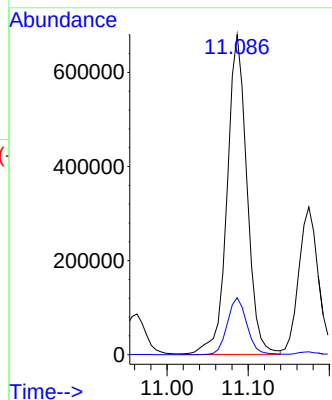
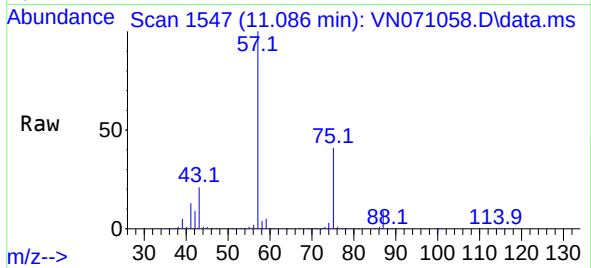




#59
2-Hexanone
Concen: 123.278 ug/l
RT: 11.086 min Scan# 1157203
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

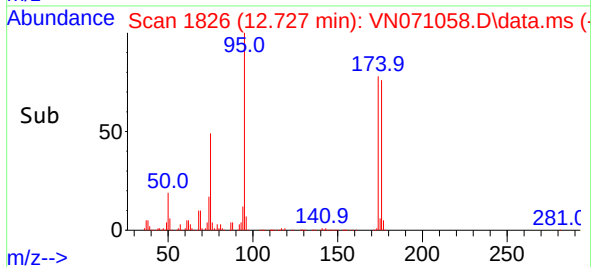
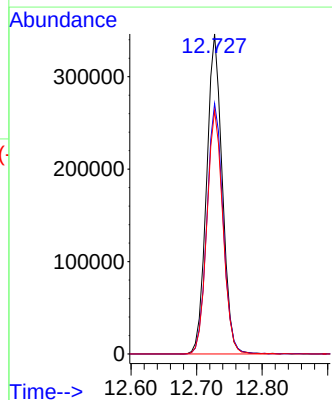
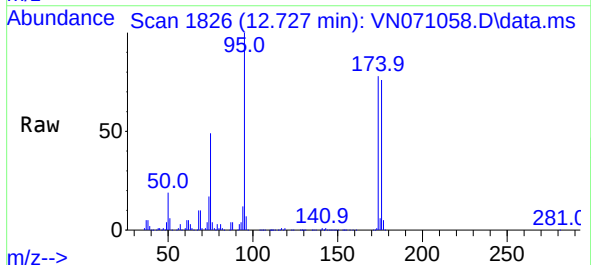
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ClientSampleId :
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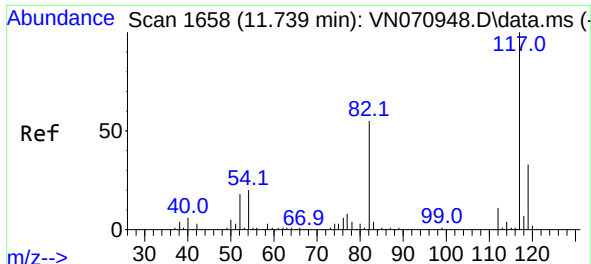
Tgt Ion: 43 Resp: 1157203
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.593 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 95 Resp: 576622
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 77.2 0.0 181.4

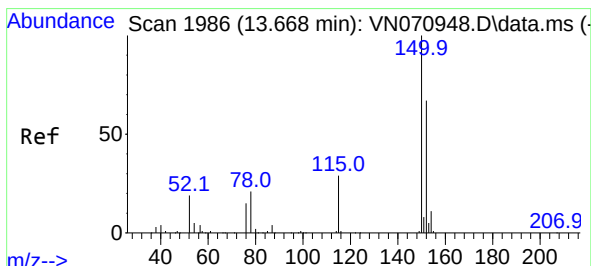
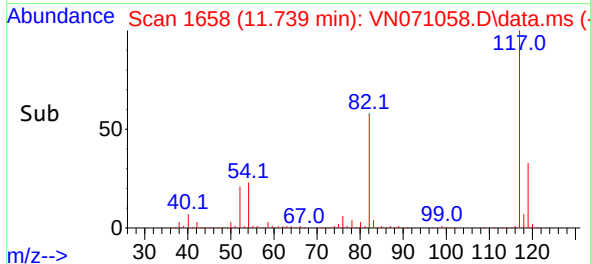
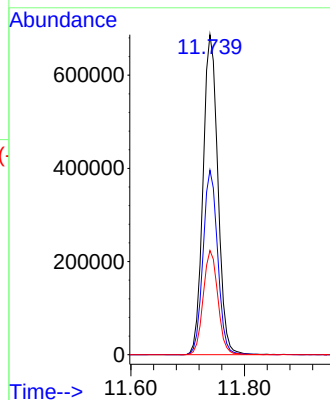
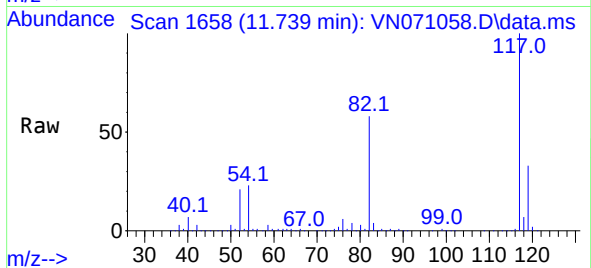




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

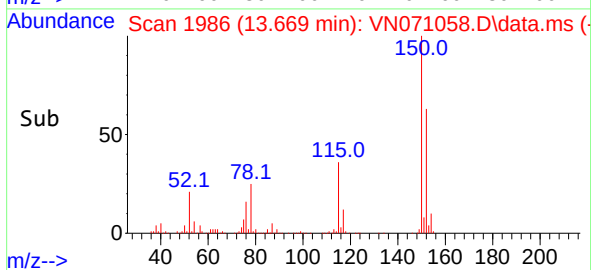
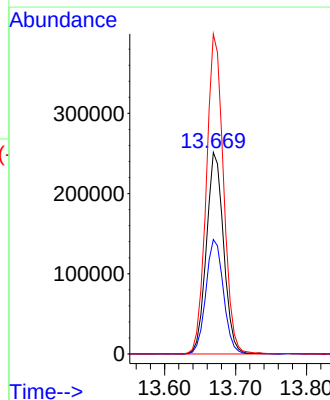
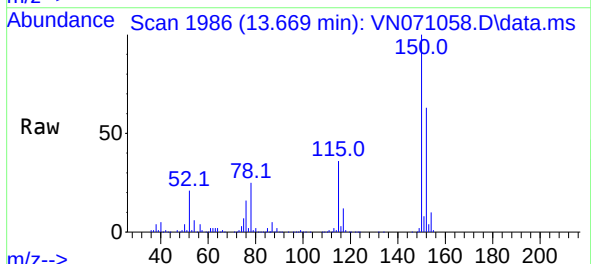
Instrument :
MSVOA_N
ClientSampleId :
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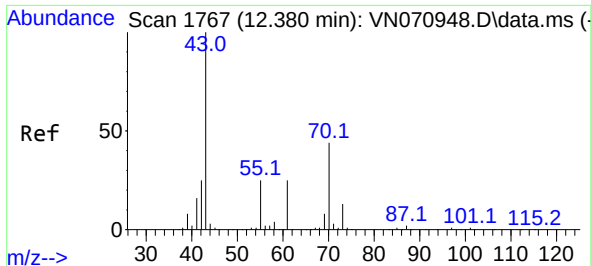
Tgt Ion:117 Resp: 1242459
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion:152 Resp: 423925
Ion Ratio Lower Upper
152 100
115 58.1 27.5 82.5
150 158.3 0.0 344.4

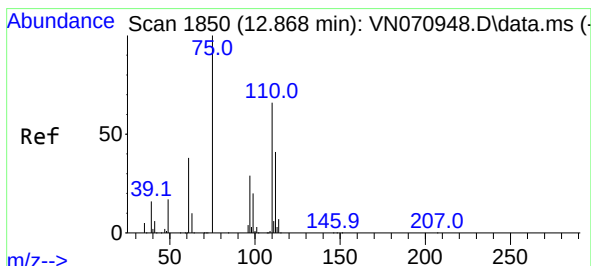
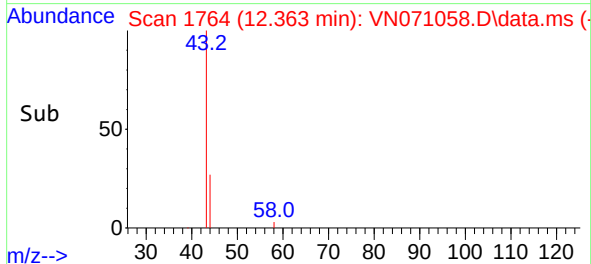
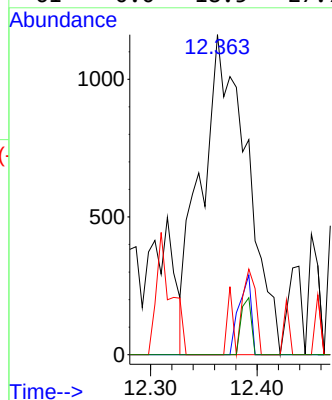
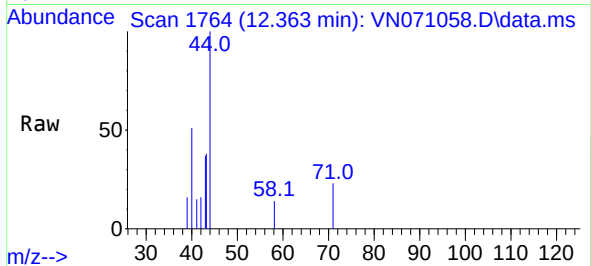




#74
N-amy1 acetate
Concen: 0.321 ug/l
RT: 12.363 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

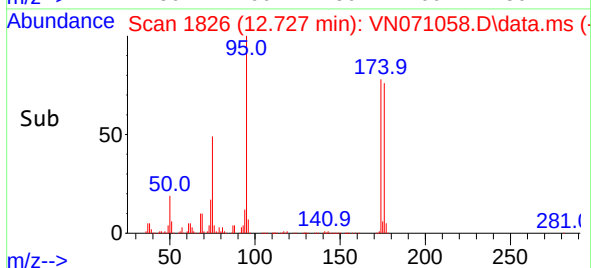
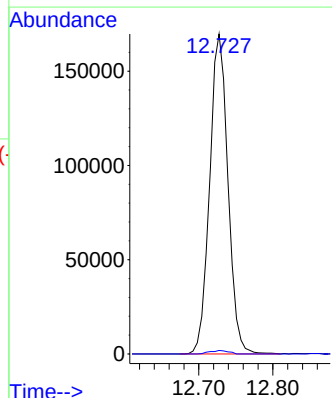
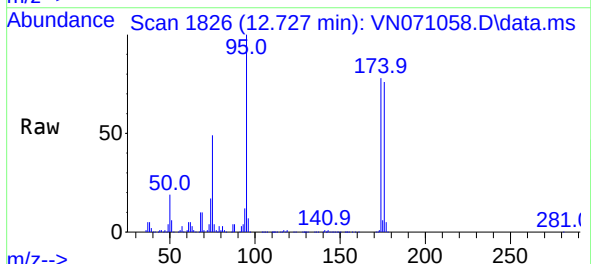
Instrument :
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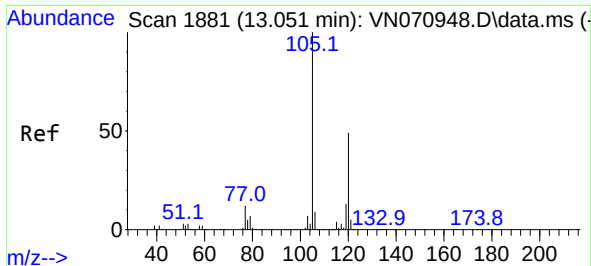
Tgt Ion: 43	Resp: 3502
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.0#
55 0.0	19.3 28.9#
61 0.0	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 29.147 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

Tgt Ion: 75	Resp: 290925
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

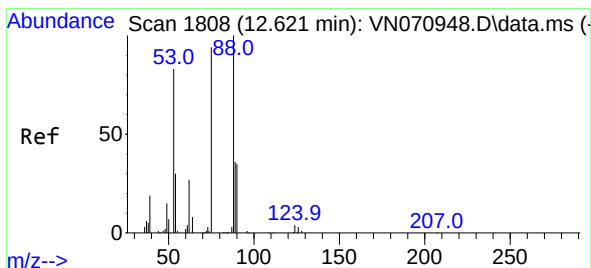
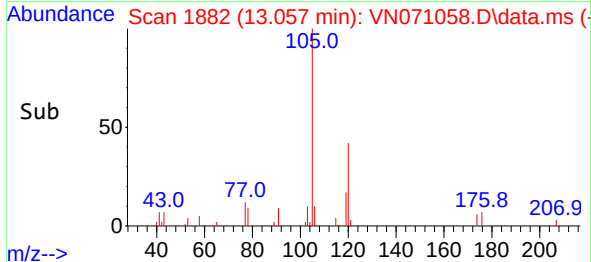
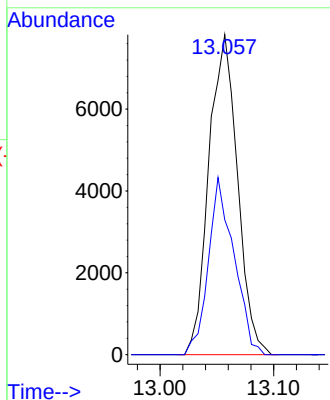
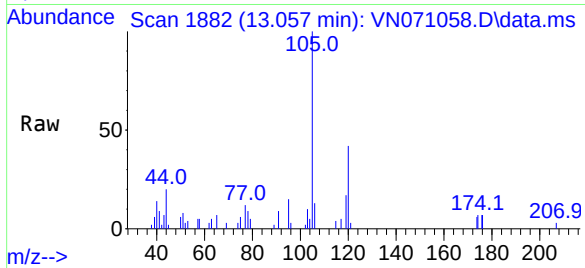




#80
 1,3,5-Trimethylbenzene
 Concen: 0.496 ug/l
 RT: 13.057 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN071058.D
 Acq: 24 Feb 2022 16:20

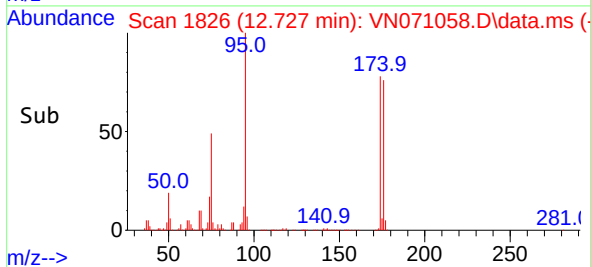
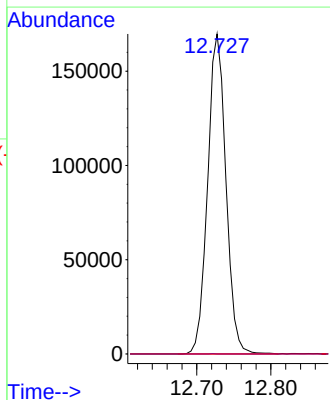
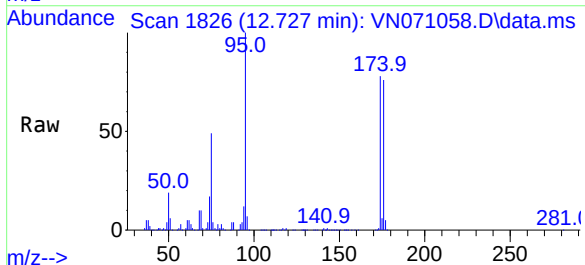
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 ClientSampleId :
 PB142888TB

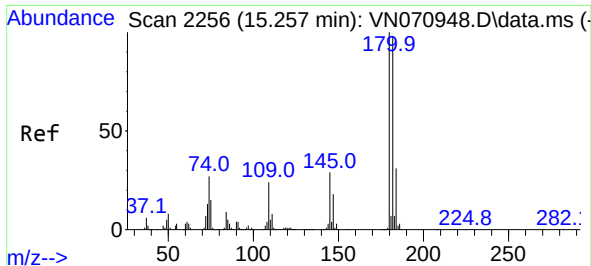
Tgt Ion:105 Resp: 13717
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.449 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN071058.D
 Acq: 24 Feb 2022 16:20

Tgt Ion: 75 Resp: 290925
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

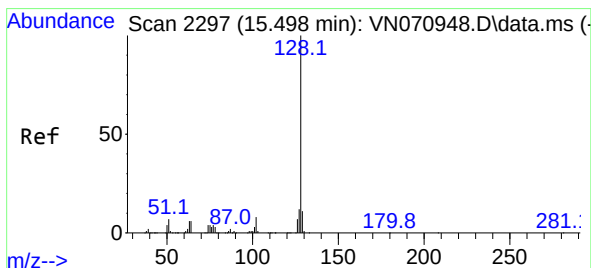
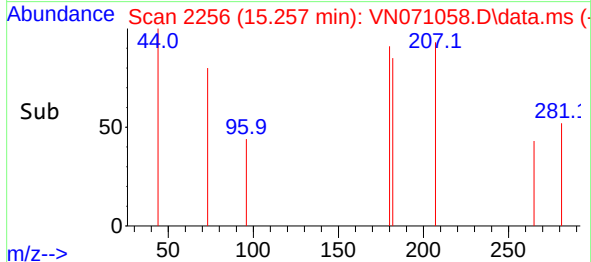
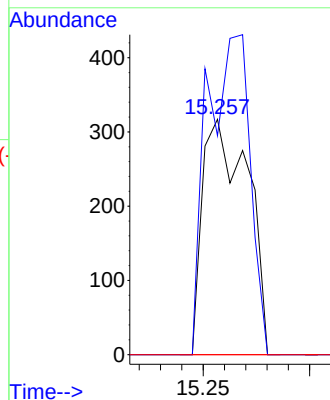
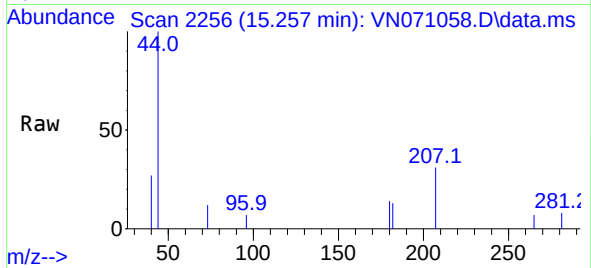




#93
1,2,4-Trichlorobenzene
Concen: 2.056 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

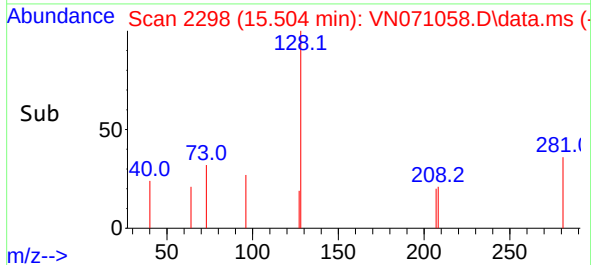
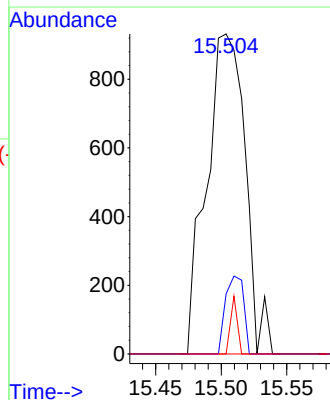
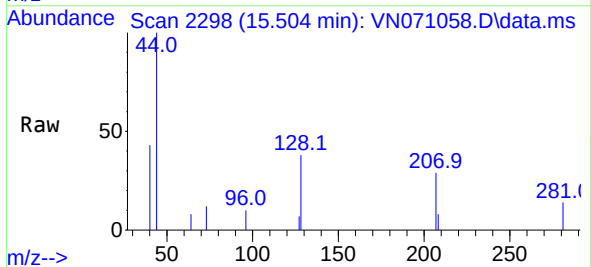
Instrument :
MSVOA_N
ClientSampleId :
PB142888TB

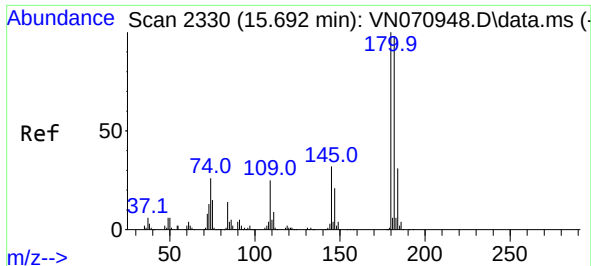
Tgt Ion:180 Resp: 468
Ion Ratio Lower Upper
180 100
182 127.8 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.081 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071058.D
Acq: 24 Feb 2022 16:20

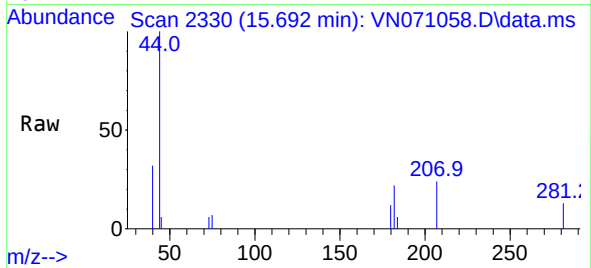
Tgt Ion:128 Resp: 1917
Ion Ratio Lower Upper
128 100
127 11.4 10.5 15.7
129 3.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.590 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071058.D
 Acq: 24 Feb 2022 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888TB



Tgt Ion:180 Resp: 562
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.4 142.2
 145 0.0 15.0 45.1#

