

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073917.D
 Acq On : 16 Aug 2022 00:53
 Operator : JC\MD
 Sample : PB147000TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147000TB

Quant Time: Aug 16 05:12:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

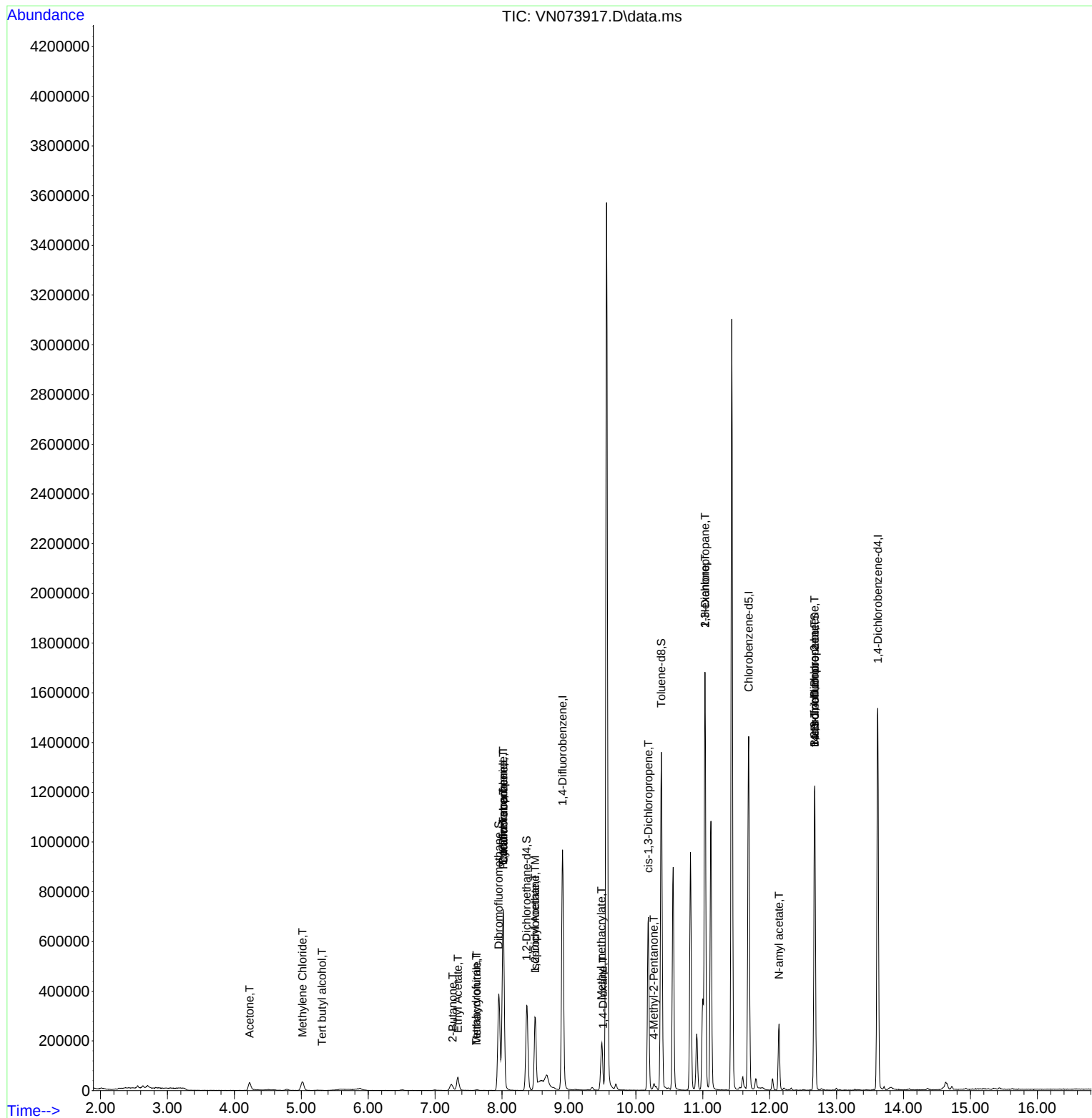
Internal Standards						
1) Pentafluorobenzene	8.022	168	634611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	917650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	879255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	471856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	288655	46.700	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.400%		
35) Dibromofluoromethane	7.951	113	284472	52.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.840%		
50) Toluene-d8	10.381	98	967868	46.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.100%		
62) 4-Bromofluorobenzene	12.675	95	406132	58.223	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	116.440%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.310	59	307	0.222	ug/l #	72
16) Acetone	4.228	43	60120	20.616	ug/l	93
18) Methyl Acetate	4.793	43	9566	Below Cal		99
20) Methylene Chloride	5.016	84	29538	4.800	ug/l	96
25) 2-Butanone	7.263	43	12853	2.780	ug/l	94
29) Tetrahydrofuran	7.616	42	2099	0.708	ug/l #	82
31) Cyclohexane	8.016	56	9681	1.124	ug/l #	8
36) 1,1-Dichloropropene	8.016	75	39878	5.290	ug/l #	49
37) Ethyl Acetate	7.340	43	79681	8.726	ug/l	99
38) Carbon Tetrachloride	8.016	117	54279	6.300	ug/l #	16
41) Methacrylonitrile	7.622	41	1379	0.334	ug/l #	30
42) 1,2-Dichloroethane	8.492	62	2567	0.314	ug/l #	74
43) Isopropyl Acetate	8.492	43	337481	25.942	ug/l #	92
48) Methyl methacrylate	9.486	41	11123	1.998	ug/l #	39
49) 1,4-Dioxane	9.510	88	265	1.601	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	15373	1.748	ug/l	95
54) cis-1,3-Dichloropropene	10.186	75	137119	14.413	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	18407	1.784	ug/l #	42
59) 2-Hexanone	11.033	43	215079	31.774	ug/l #	50
71) Bromoform	12.669	173	2211	0.350	ug/l #	28
74) N-amyl acetate	12.139	43	75074	5.780	ug/l #	49
76) 1,2,3-Trichloropropane	12.669	75	200614	20.455	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	200614	58.178	ug/l #	10

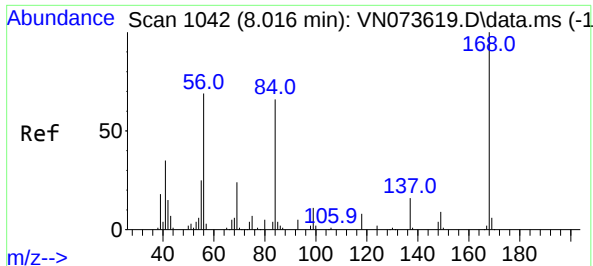
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

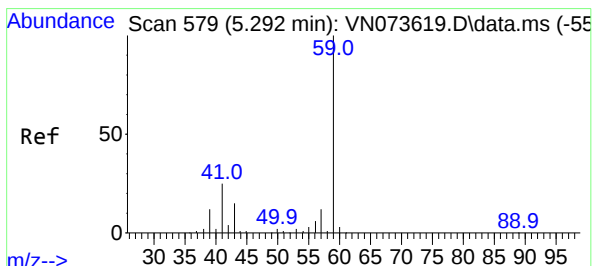
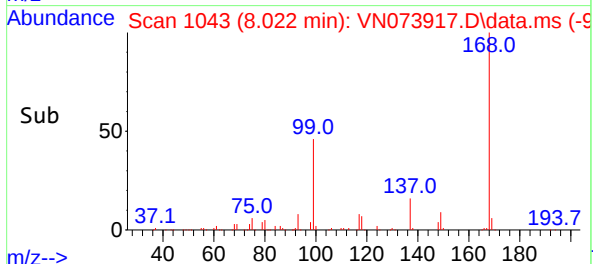
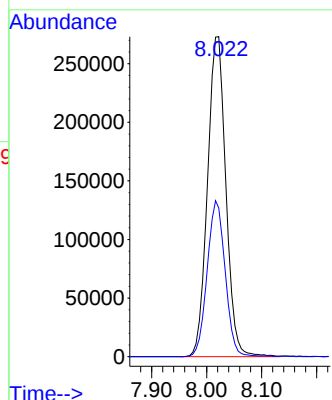
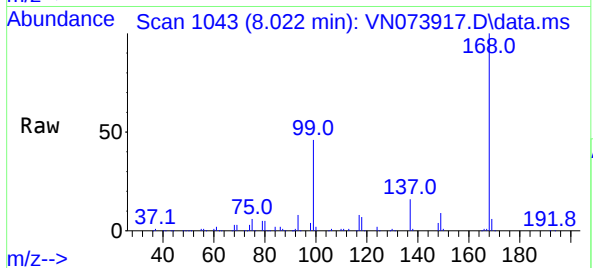




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

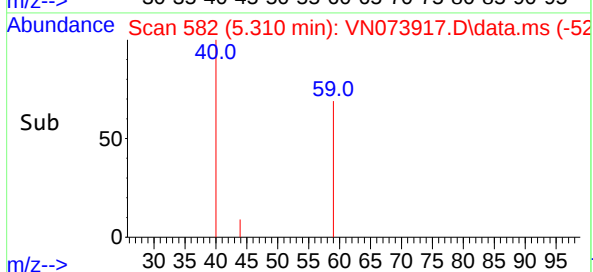
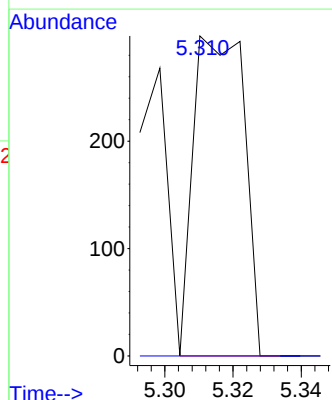
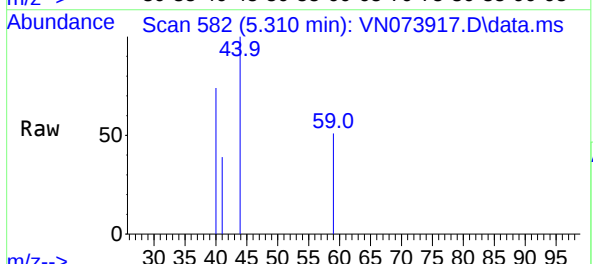
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

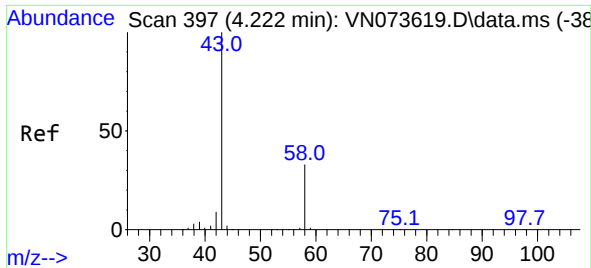
Tgt Ion:168 Resp: 634611
Ion Ratio Lower Upper
168 100
99 46.4 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.310 min Scan# 582
Delta R.T. 0.018 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

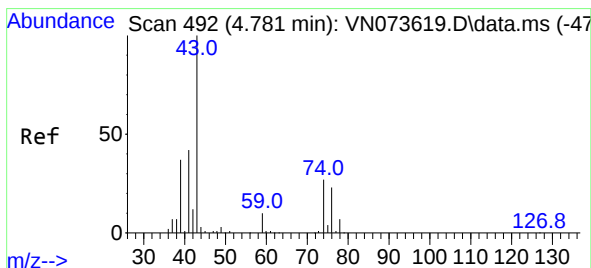
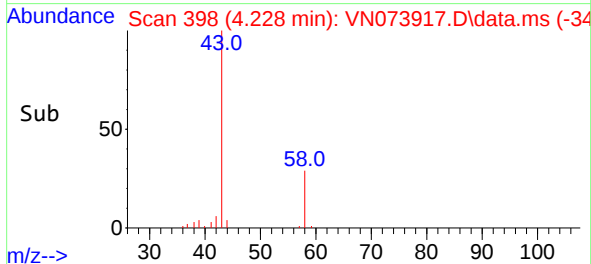
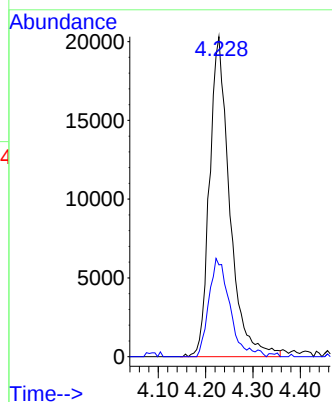
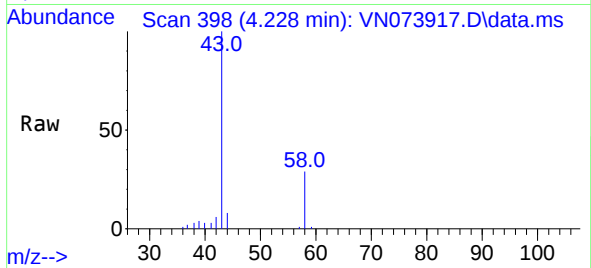




#16
Acetone
Concen: 20.616 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

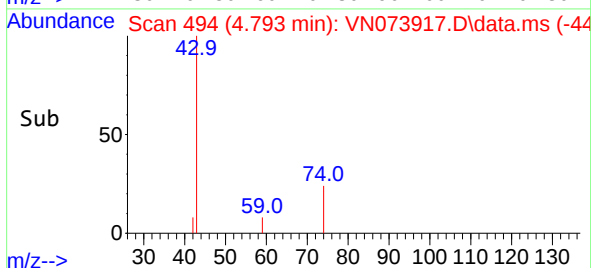
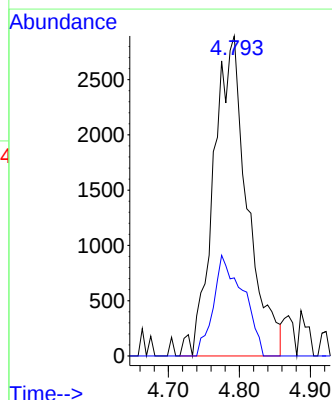
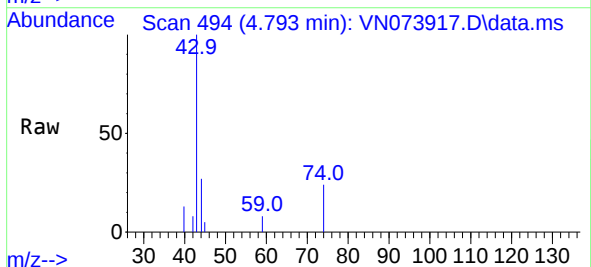
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

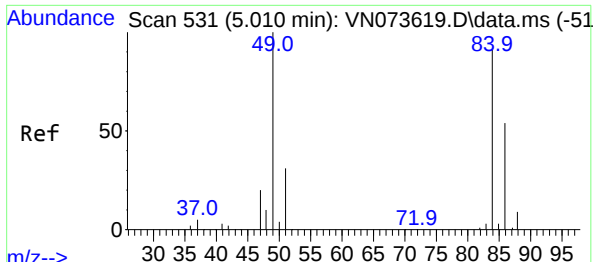
Tgt Ion: 43 Resp: 60120
Ion Ratio Lower Upper
43 100
58 28.7 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

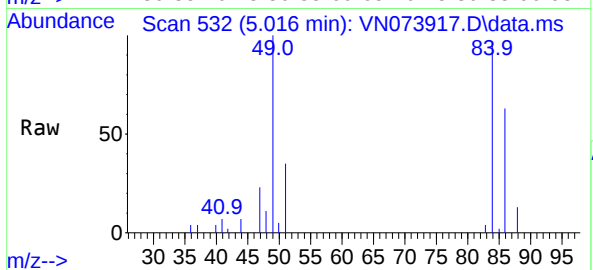
Tgt Ion: 43 Resp: 9566
Ion Ratio Lower Upper
43 100
74 27.7 21.6 32.4





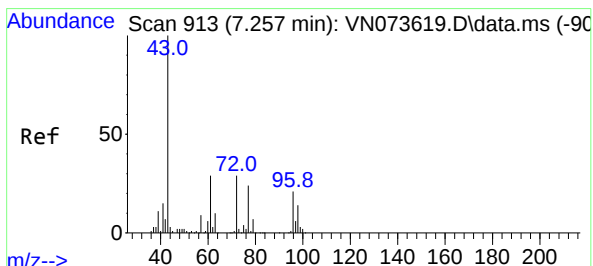
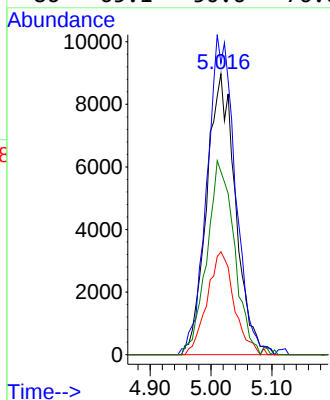
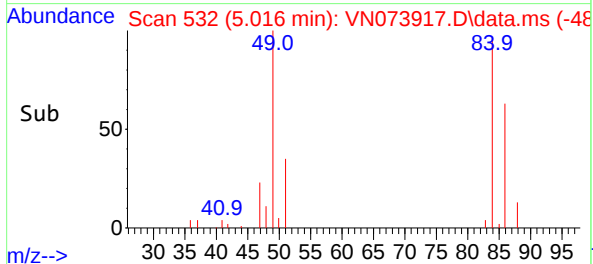
#20
Methylene Chloride
Concen: 4.800 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Instrument :
MSVOA_N
ClientSampleId :
PB147000TB



Tgt Ion: 84 Resp: 29538

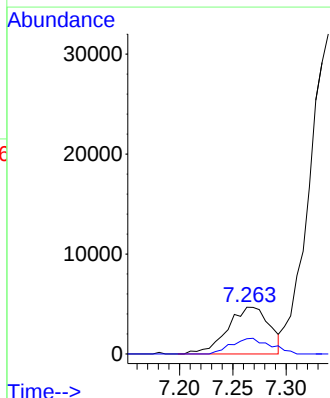
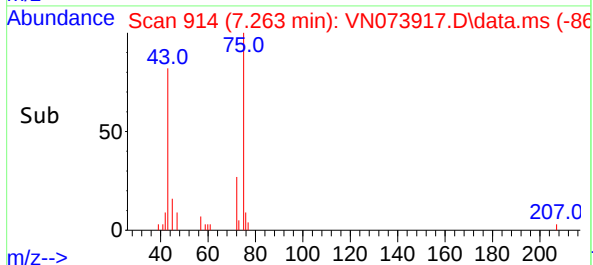
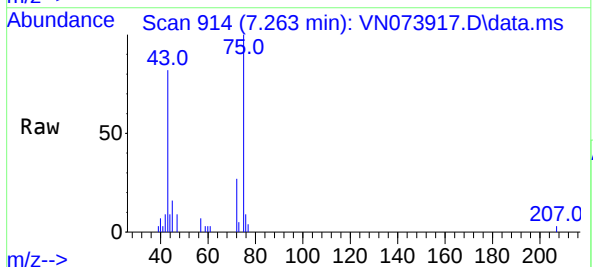
Ion	Ratio	Lower	Upper
84	100		
49	103.7	88.3	132.5
51	36.6	28.2	42.2
86	65.1	50.6	76.0

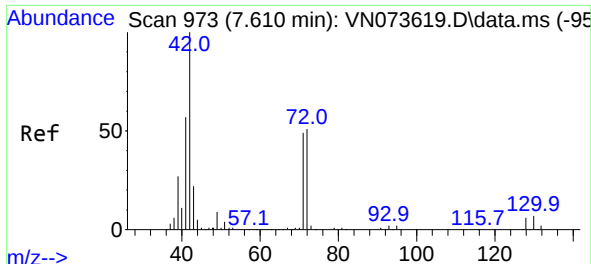


#25
2-Butanone
Concen: 2.780 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 43 Resp: 12853

Ion	Ratio	Lower	Upper
43	100		
72	32.6	23.7	35.5

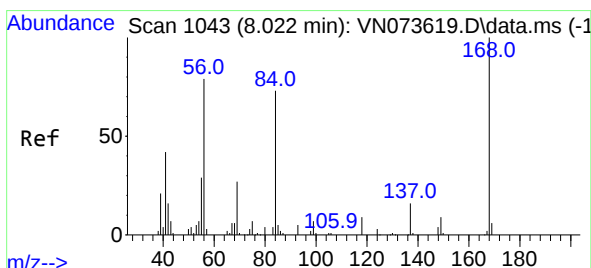
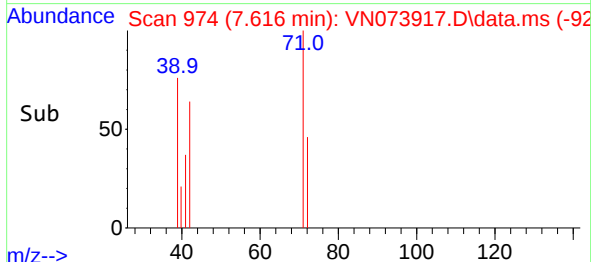
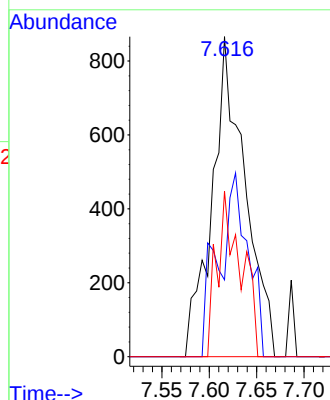
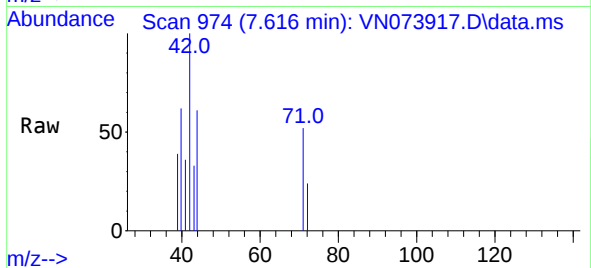




#29
Tetrahydrofuran
Concen: 0.708 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

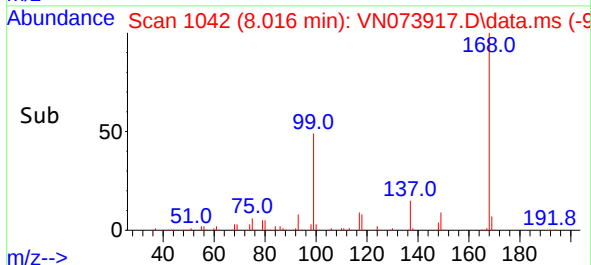
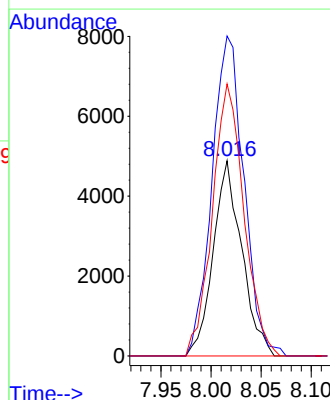
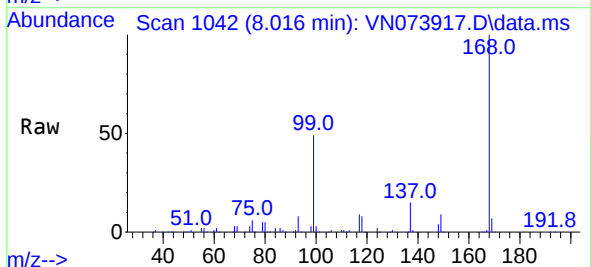
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

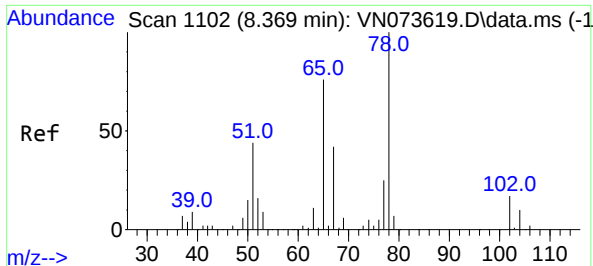
Tgt Ion: 42 Resp: 2099
Ion Ratio Lower Upper
42 100
72 34.0 39.7 59.5#
71 37.5 36.6 55.0



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 56 Resp: 9681
Ion Ratio Lower Upper
56 100
69 163.9 27.8 41.8#
84 139.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.700 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073917.D

Acq: 16 Aug 2022 00:53

Instrument :

MSVOA_N

ClientSampleId :

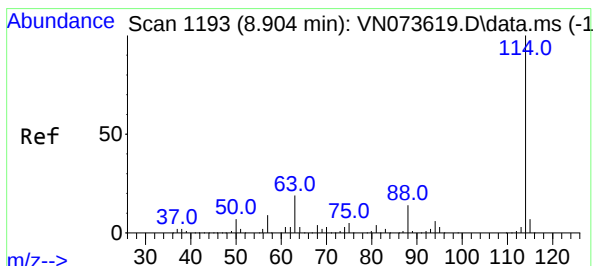
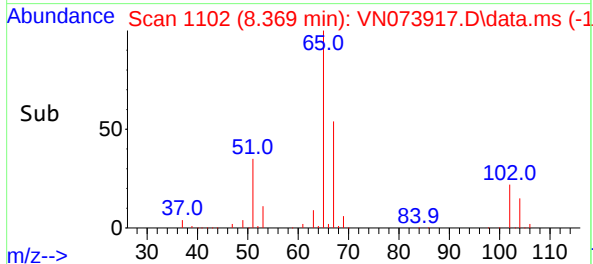
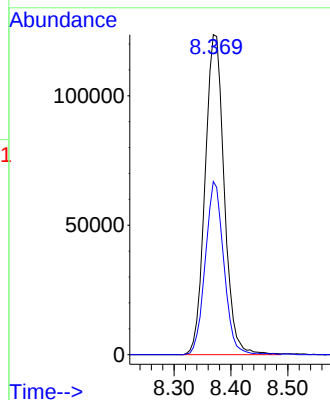
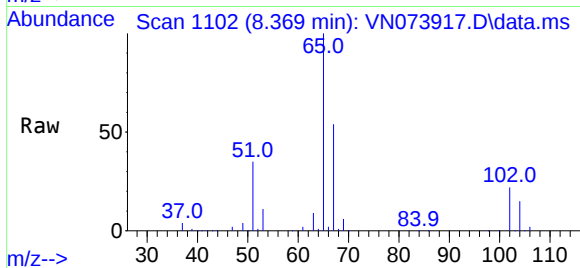
PB147000TB

Tgt Ion: 65 Resp: 288655

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073917.D

Acq: 16 Aug 2022 00:53

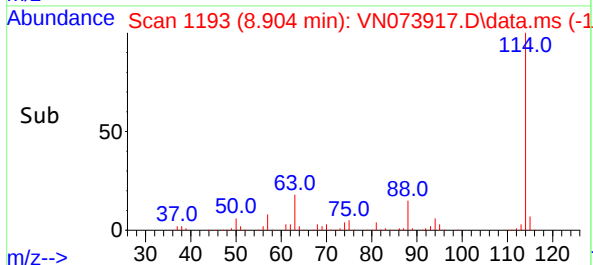
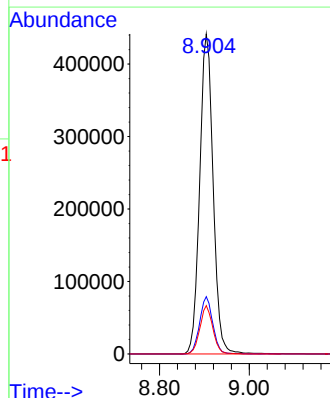
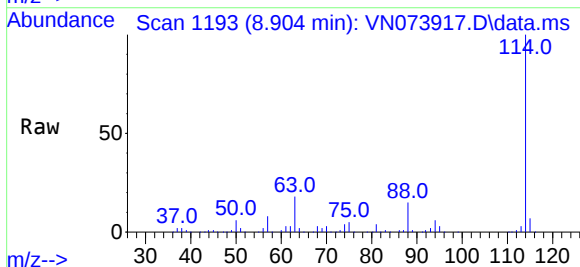
Tgt Ion: 114 Resp: 917650

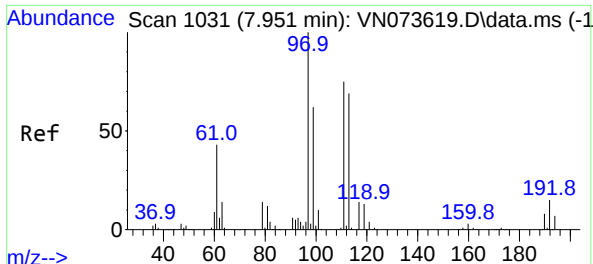
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 15.1 0.0 32.6

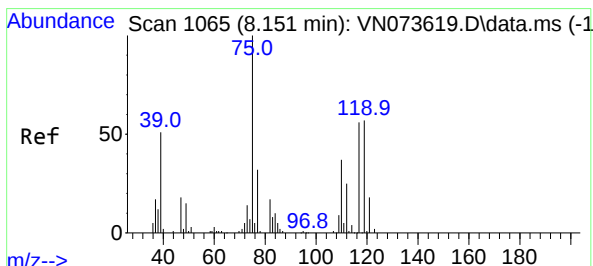
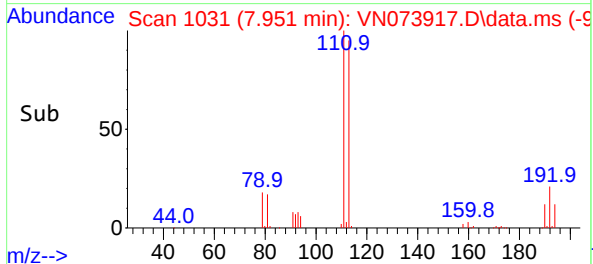
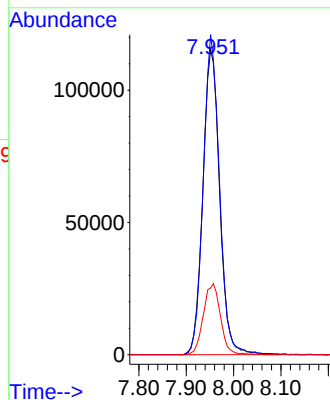
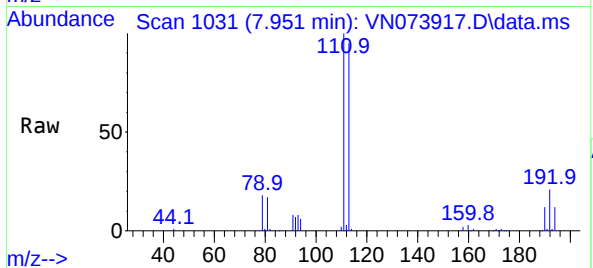




#35
Dibromofluoromethane
Concen: 52.419 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

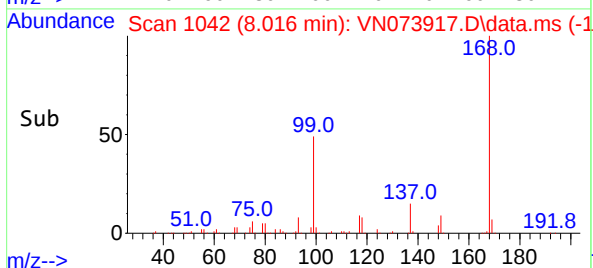
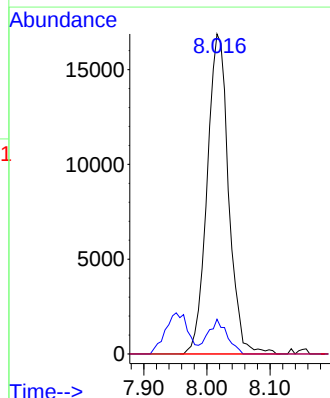
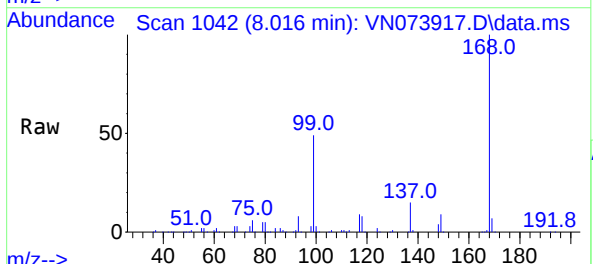
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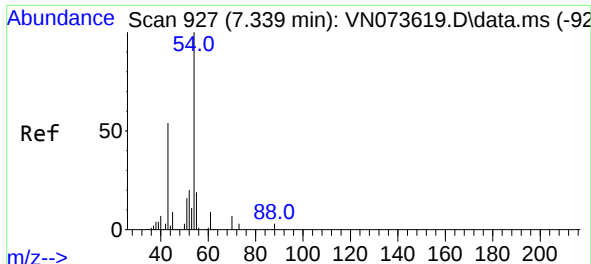
Tgt Ion:113 Resp: 284472
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 23.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 75 Resp: 39878
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#



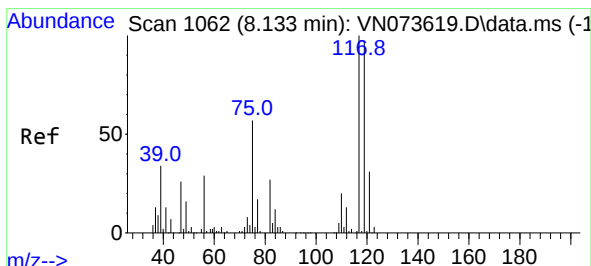
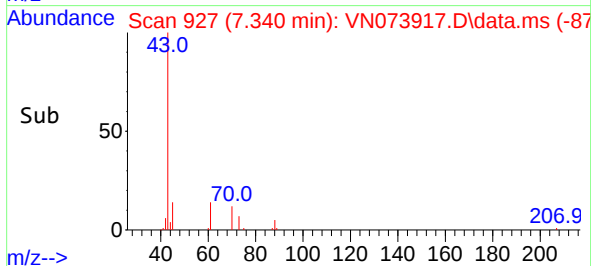
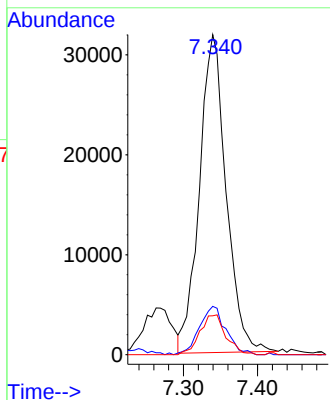
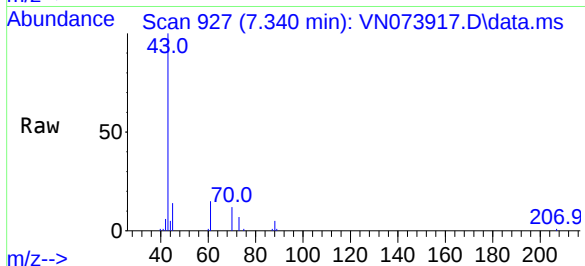


#37
Ethyl Acetate
Concen: 8.726 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.001 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

Tgt Ion: 43 Resp: 79681

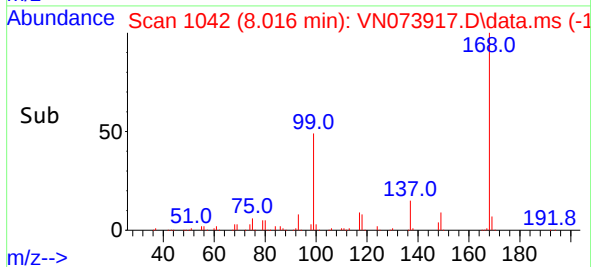
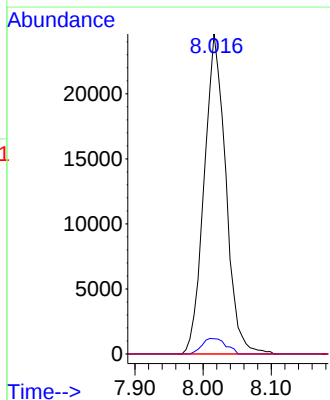
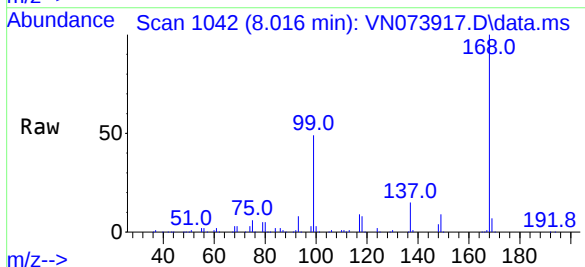
Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	12.2	9.3	13.9

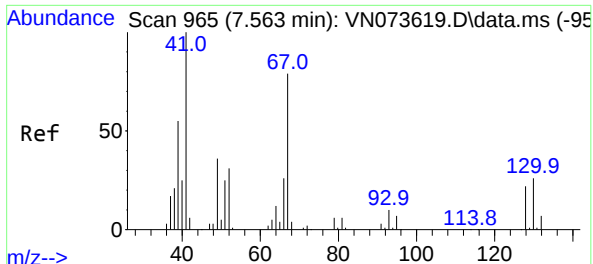


#38
Carbon Tetrachloride
Concen: 6.300 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 117 Resp: 54279

Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.8#
121	0.0	24.6	37.0#



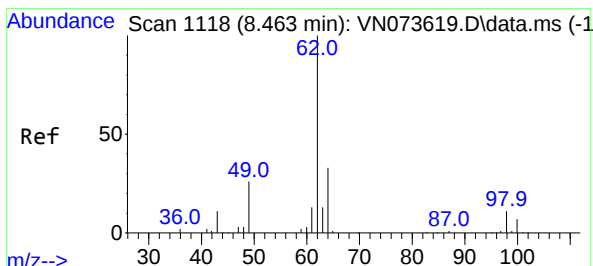
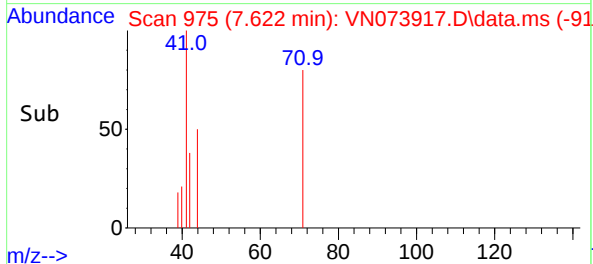
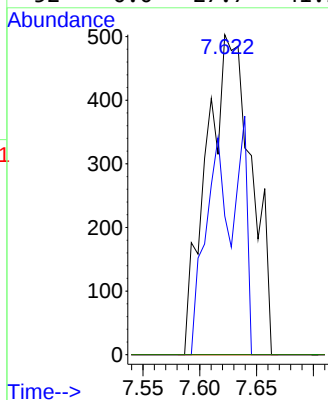
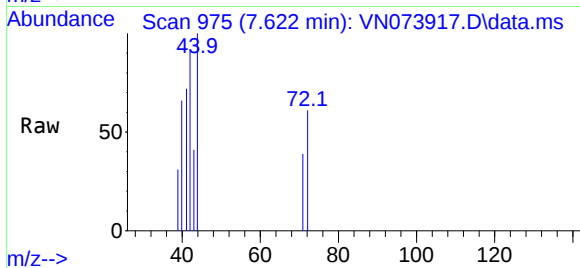


#41
Methacrylonitrile
Concen: 0.334 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

Tgt Ion: 41 Resp: 1379

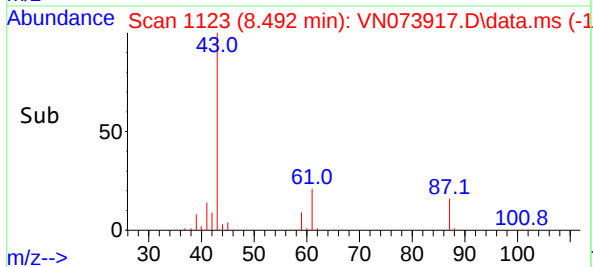
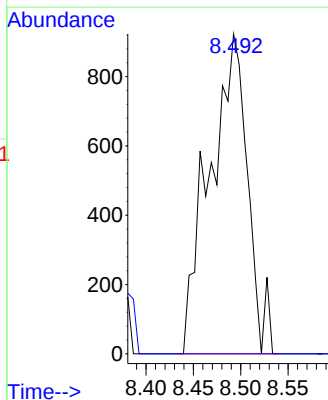
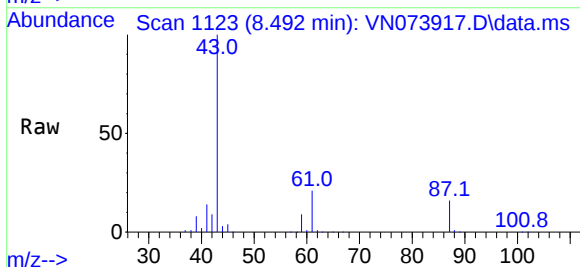
Ion	Ratio	Lower	Upper
41	100		
39	33.8	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

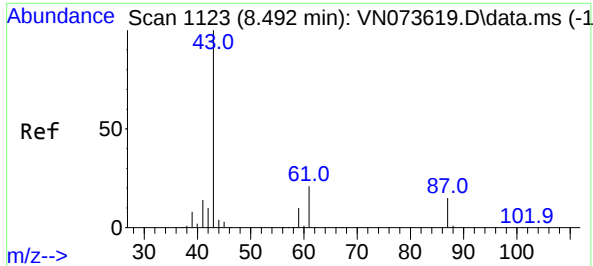


#42
1,2-Dichloroethane
Concen: 0.314 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 62 Resp: 2567

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 25.942 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN073917.D

Acq: 16 Aug 2022 00:53

Instrument :

MSVOA_N

ClientSampleId :

PB147000TB

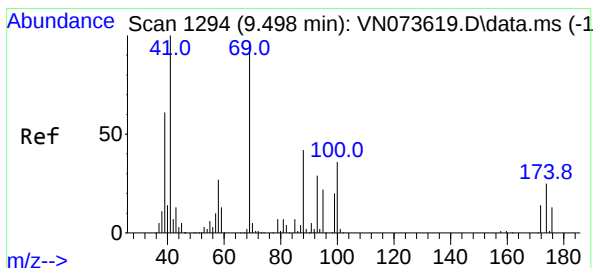
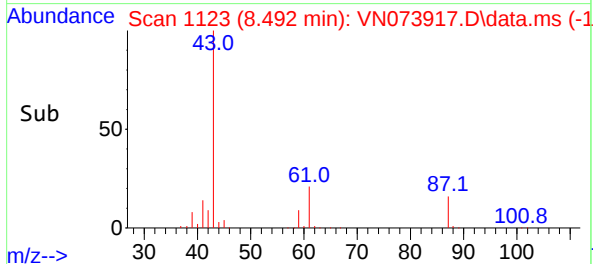
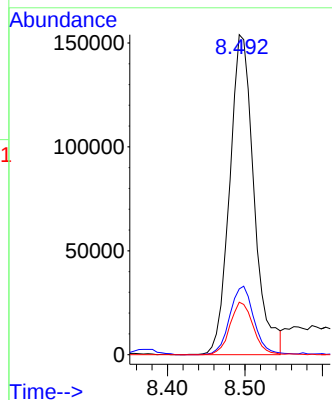
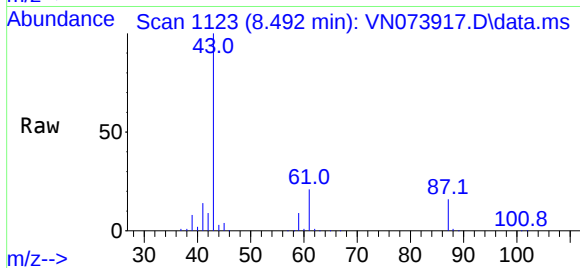
Tgt Ion: 43 Resp: 337481

Ion Ratio Lower Upper

43 100

61 21.3 21.9 32.9#

87 15.5 12.0 18.0



#48

Methyl methacrylate

Concen: 1.998 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073917.D

Acq: 16 Aug 2022 00:53

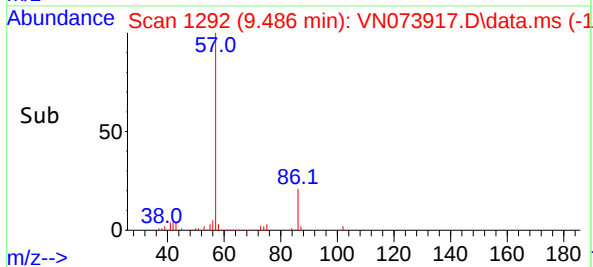
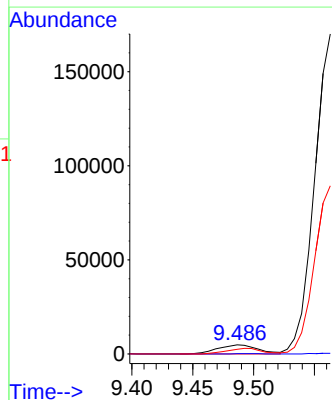
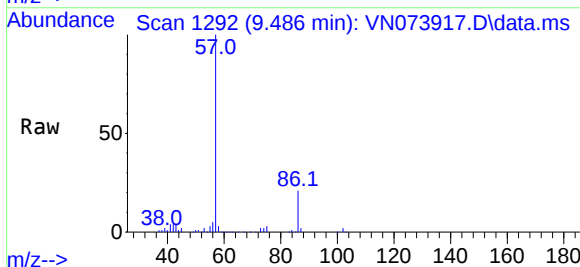
Tgt Ion: 41 Resp: 11123

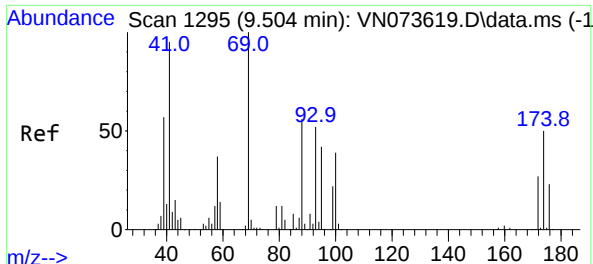
Ion Ratio Lower Upper

41 100

69 2.3 74.7 112.1#

39 53.4 45.6 68.4

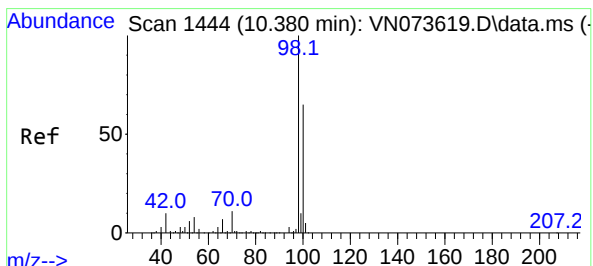
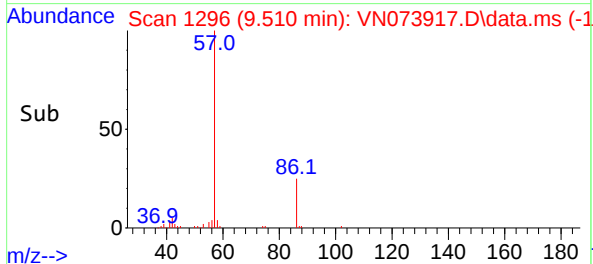
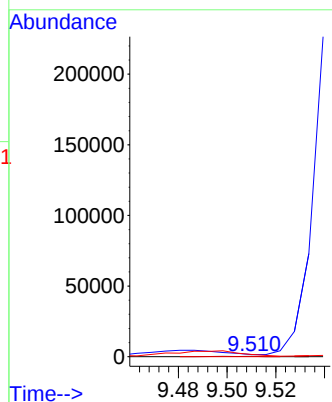
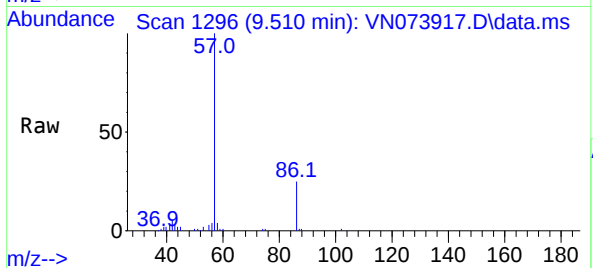




#49
1,4-Dioxane
Concen: 1.601 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

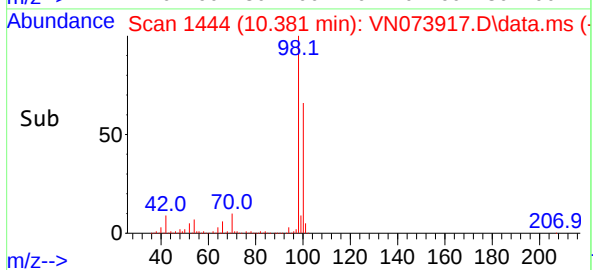
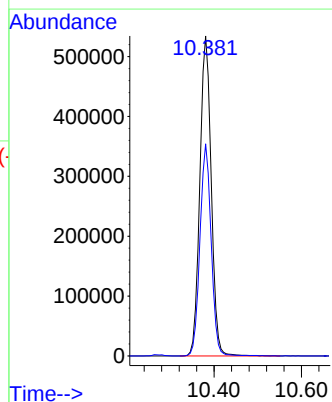
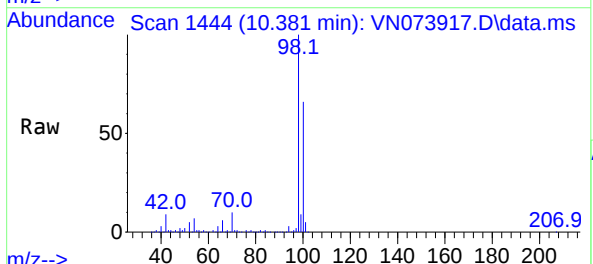
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

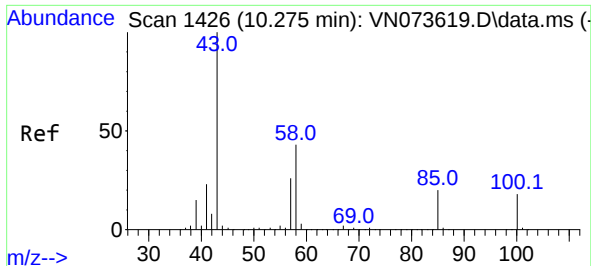
Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 3373.6 54.2 81.4#



#50
Toluene-d8
Concen: 46.050 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 98 Resp: 967868
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

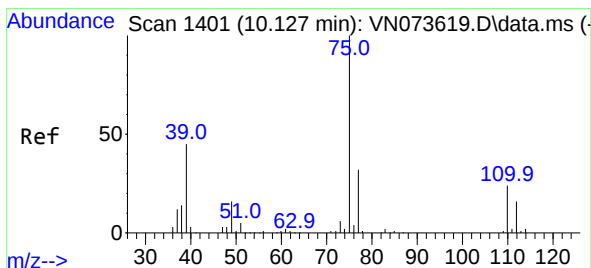
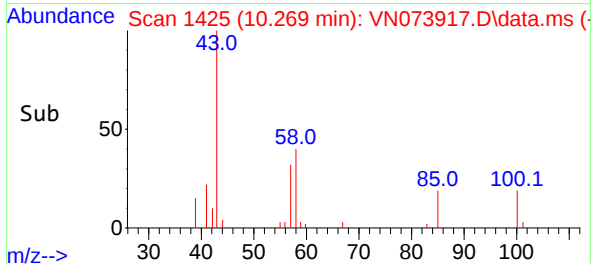
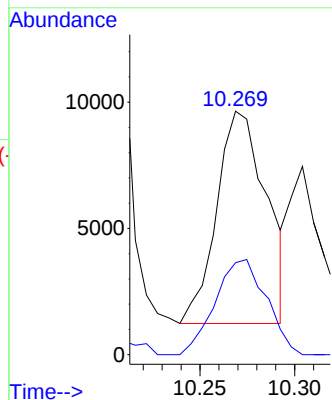
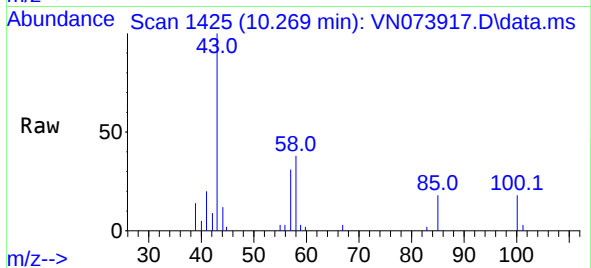




#51
4-Methyl-2-Pentanone
Concen: 1.748 ug/l
RT: 10.269 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

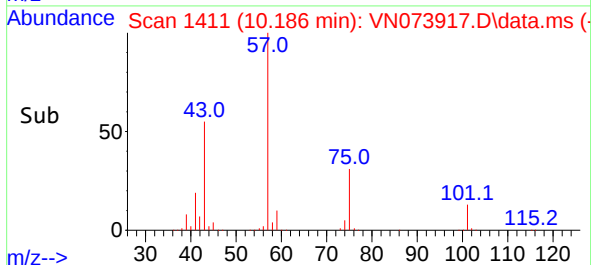
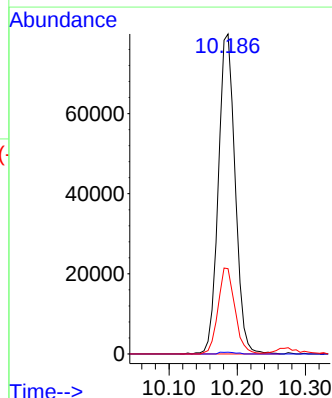
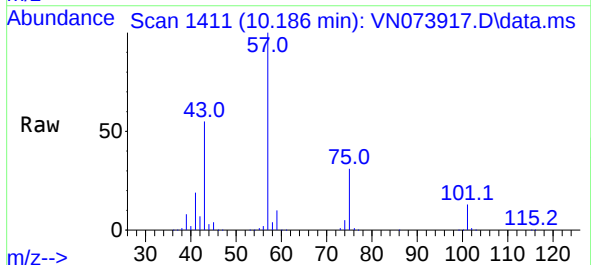
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

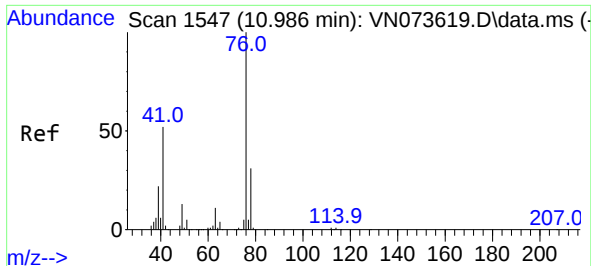
Tgt Ion: 43 Resp: 15373
Ion Ratio Lower Upper
43 100
58 46.0 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 14.413 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 75 Resp: 137119
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 26.7 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.784 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073917.D

Acq: 16 Aug 2022 00:53

Instrument :

MSVOA_N

ClientSampleId :

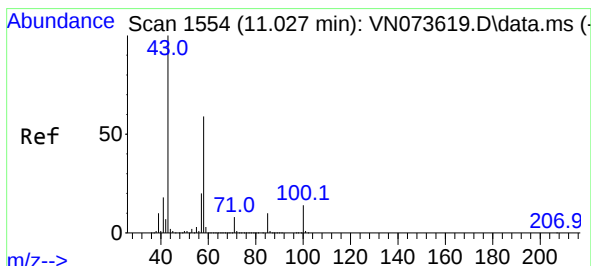
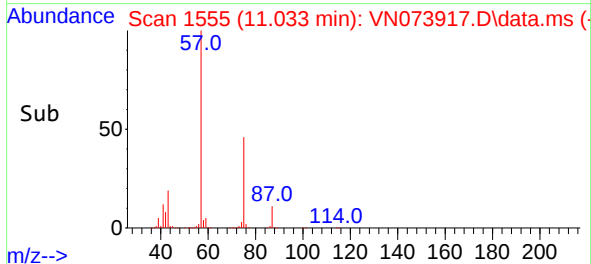
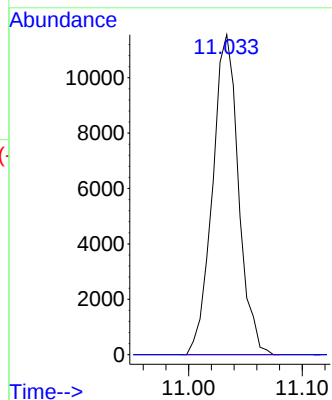
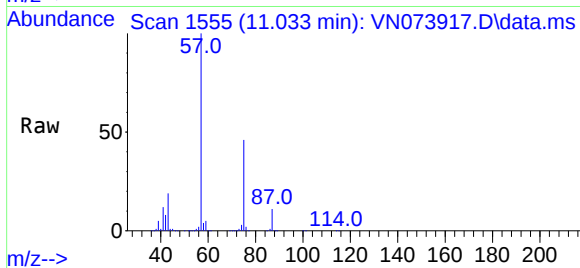
PB147000TB

Tgt Ion: 76 Resp: 18407

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 31.774 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073917.D

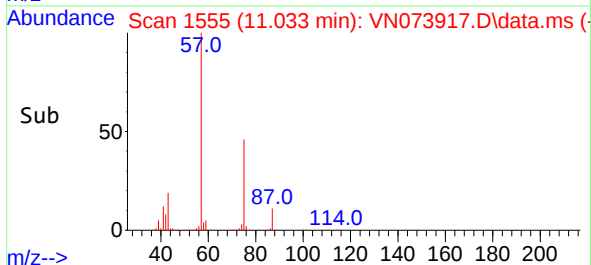
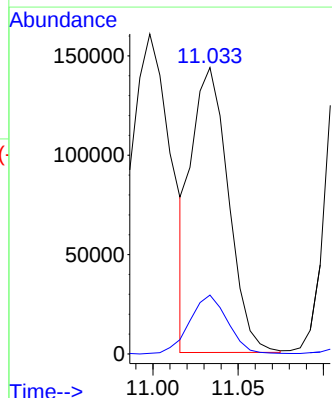
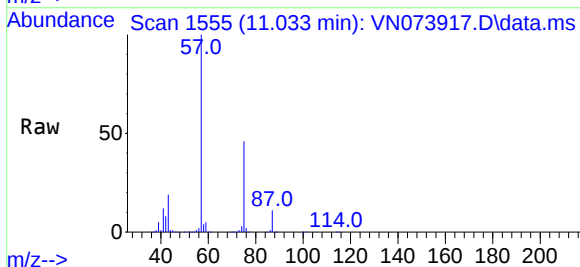
Acq: 16 Aug 2022 00:53

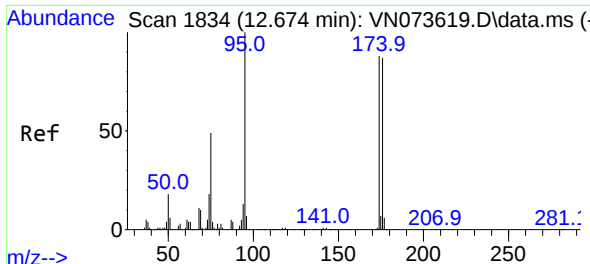
Tgt Ion: 43 Resp: 215079

Ion Ratio Lower Upper

43 100

58 21.6 29.7 89.1#

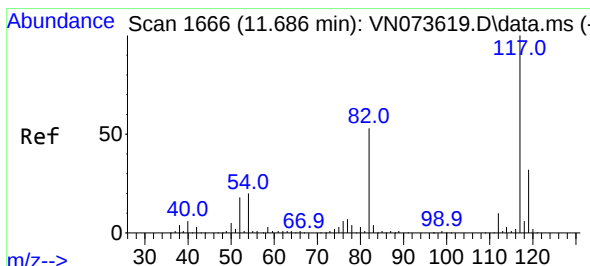
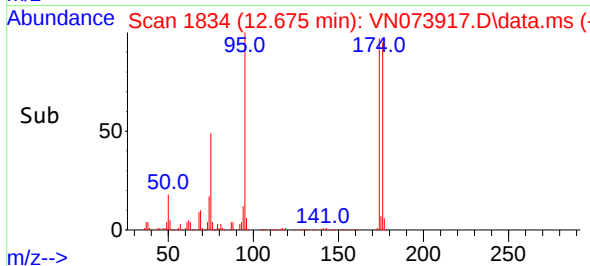
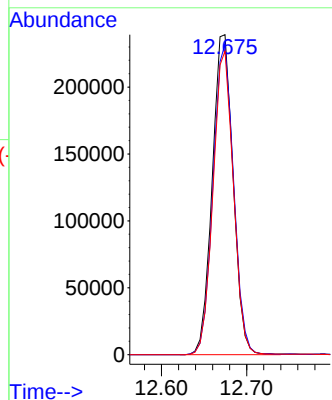
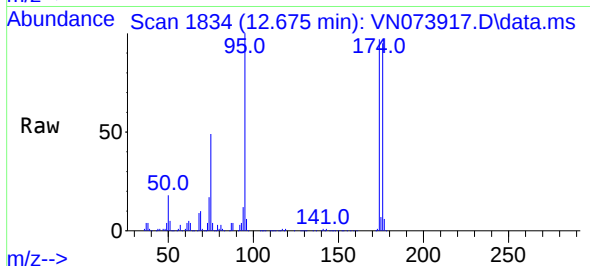




#62
4-Bromofluorobenzene
Concen: 58.223 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

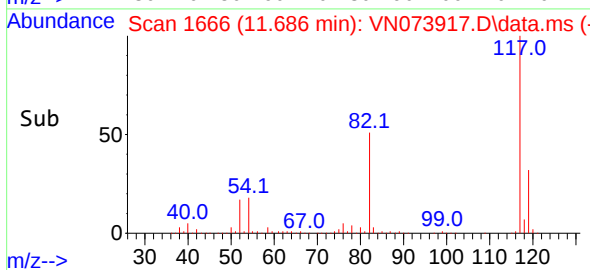
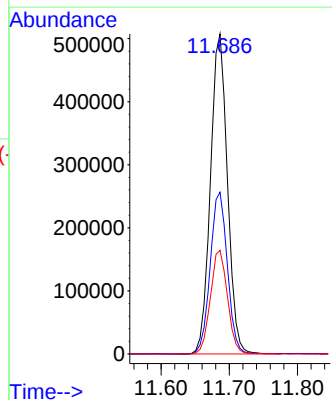
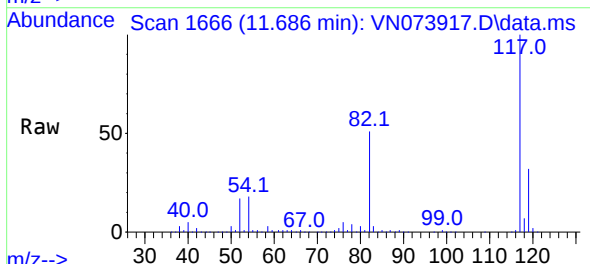
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

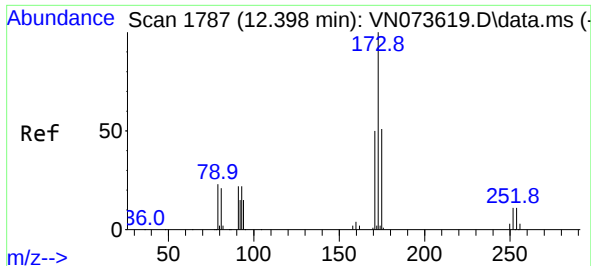
Tgt Ion: 95 Resp: 406132
Ion Ratio Lower Upper
95 100
174 95.6 0.0 167.6
176 92.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion: 117 Resp: 879255
Ion Ratio Lower Upper
117 100
82 50.6 44.2 66.2
119 32.4 25.4 38.0

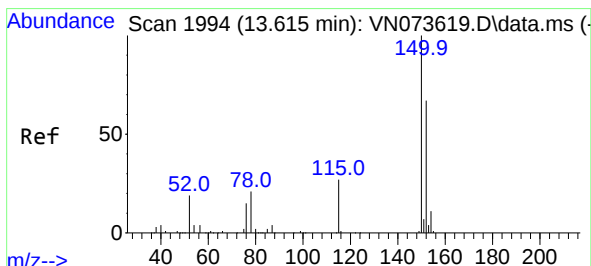
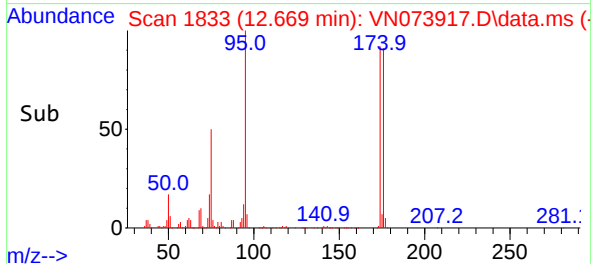
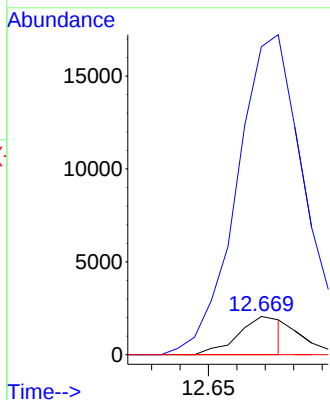
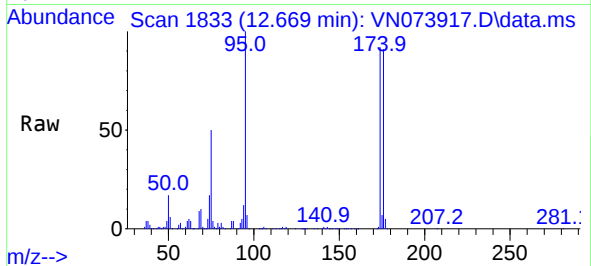




#71
Bromoform
Concen: 0.350 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

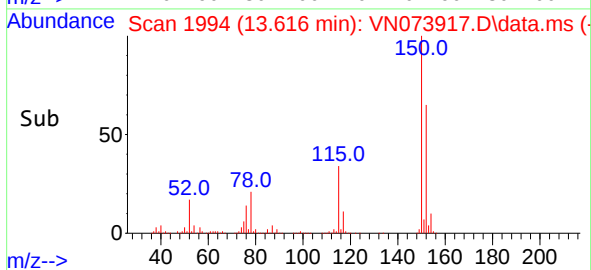
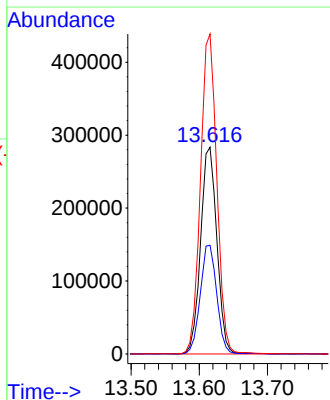
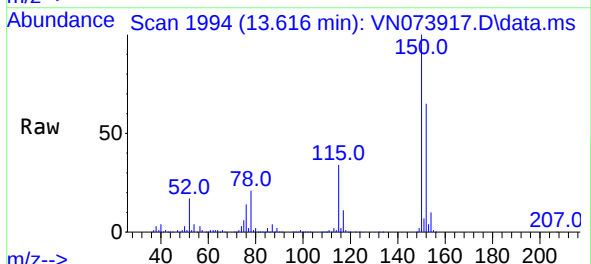
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

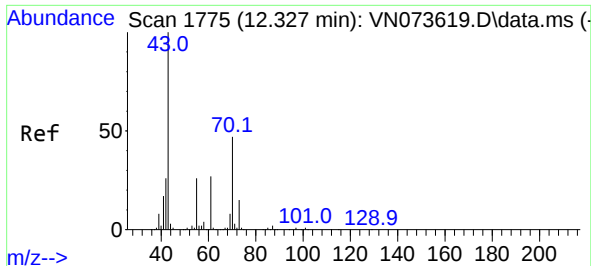
Tgt Ion:173 Resp: 2211
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

Tgt Ion:152 Resp: 471856
Ion Ratio Lower Upper
152 100
115 53.1 28.9 86.7
150 154.8 0.0 356.2

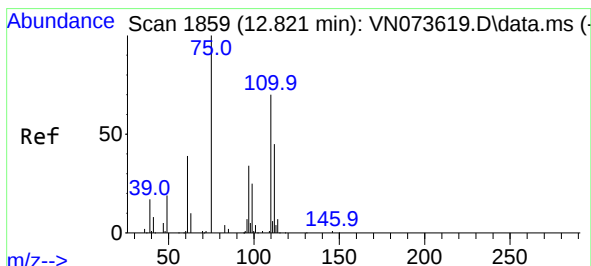
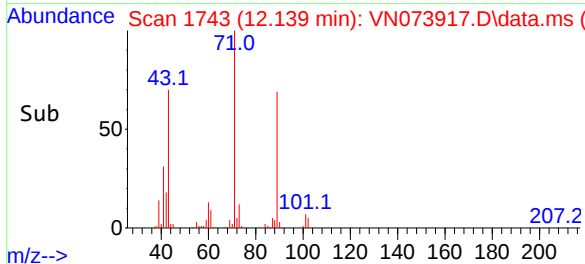
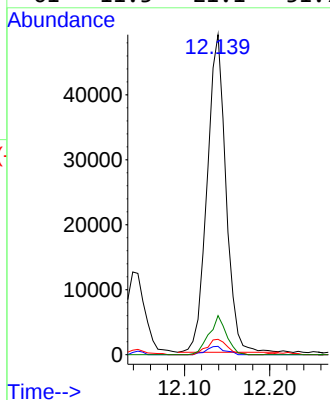
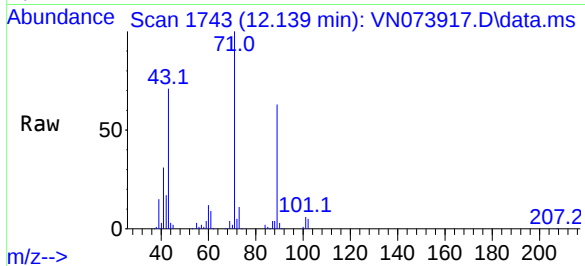




#74
N-amy1 acetate
Concen: 5.780 ug/l
RT: 12.139 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

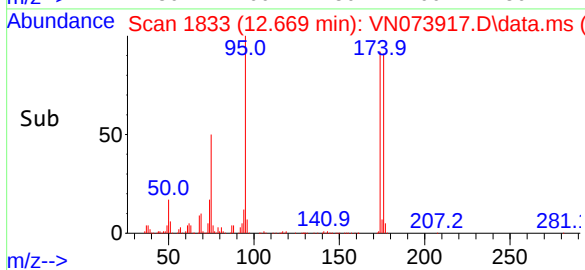
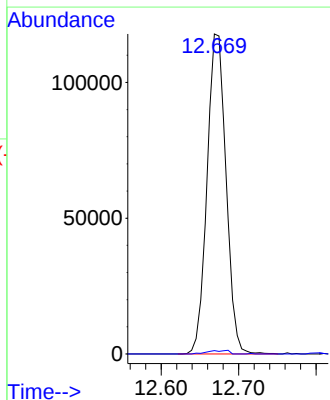
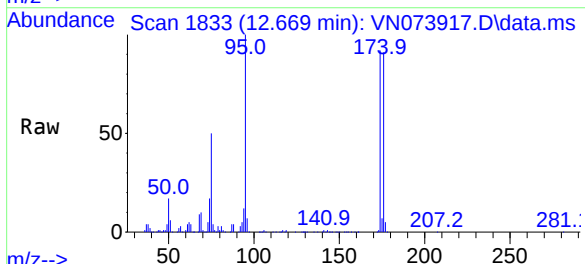
Instrument :
MSVOA_N
ClientSampleId :
PB147000TB

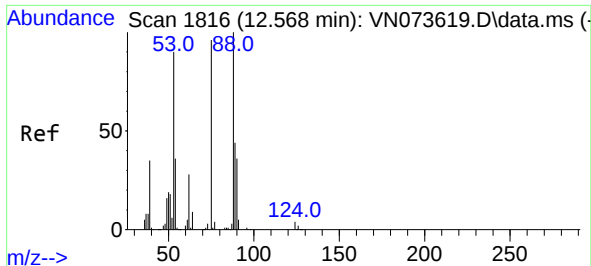
Tgt Ion:	43	Resp:	75074
Ion	Ratio	Lower	Upper
43	100		
70	2.6	39.0	58.4#
55	5.2	21.1	31.7#
61	11.3	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 20.455 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN073917.D
Acq: 16 Aug 2022 00:53

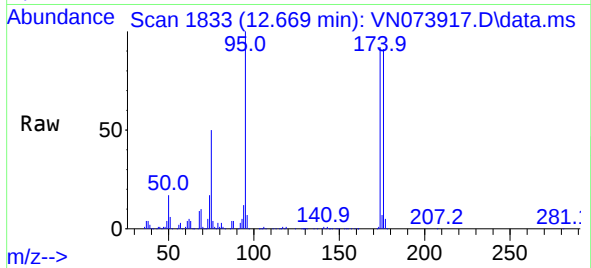
Tgt Ion:	75	Resp:	200614
Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.178 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.101 min
 Lab File: VN073917.D
 Acq: 16 Aug 2022 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147000TB



Tgt Ion: 75 Resp: 200614
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

