

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073986.D
 Acq On : 17 Aug 2022 19:14
 Operator : JC\MD
 Sample : PB147075TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147075TB

Quant Time: Aug 18 00:49:49 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)

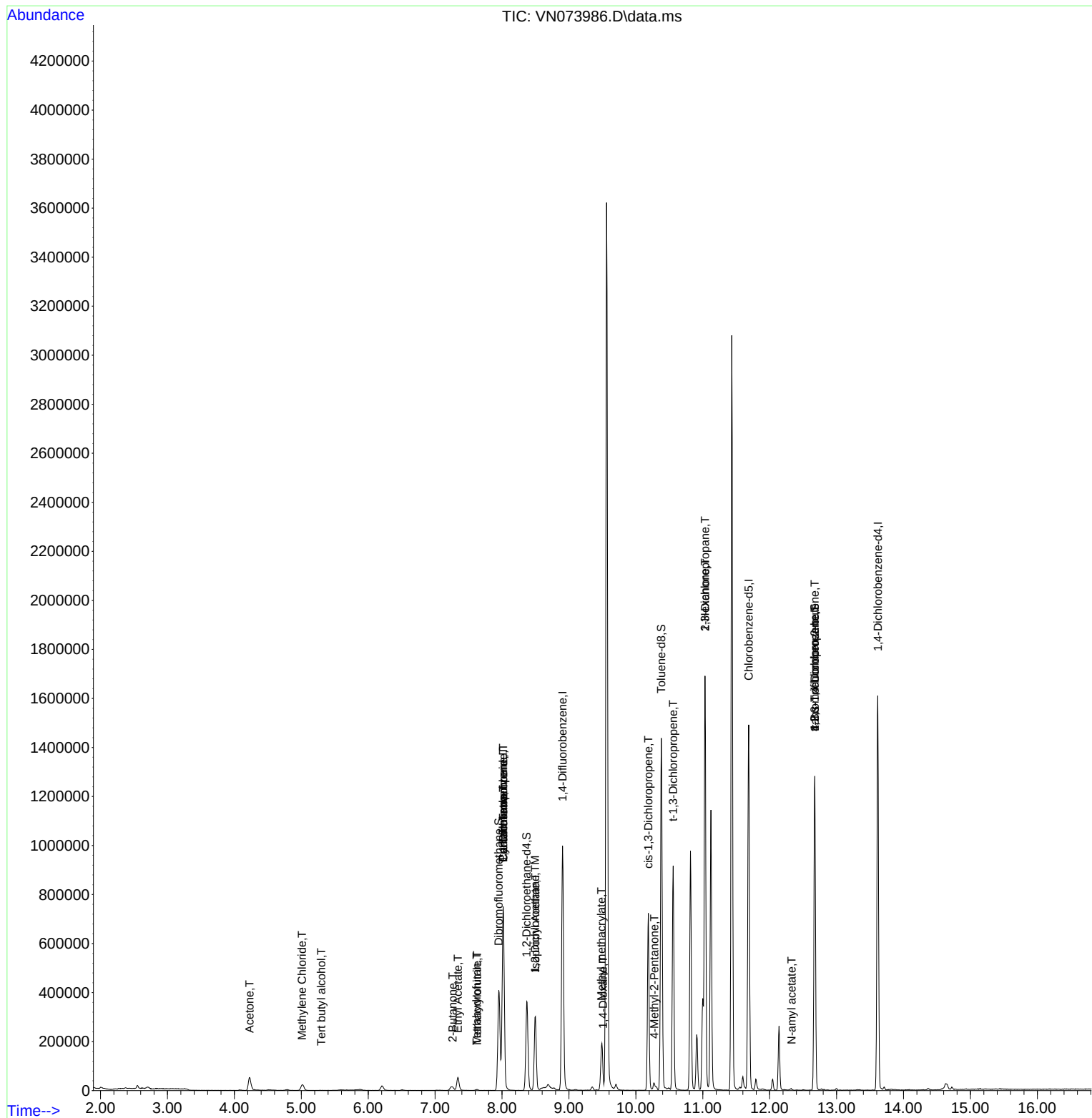
Internal Standards						
1) Pentafluorobenzene	8.016	168	643316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	940741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	932139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	474590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	307829	49.128	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	7.951	113	298585	53.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.340%		
50) Toluene-d8	10.381	98	1021186	47.394	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.780%		
62) 4-Bromofluorobenzene	12.675	95	429184	60.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	120.040%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.298	59	803	0.573	ug/l #	72
16) Acetone	4.228	43	100125	33.870	ug/l	99
18) Methyl Acetate	4.787	43	7069	Below Cal		100
20) Methylene Chloride	5.010	84	21148	3.390	ug/l	98
25) 2-Butanone	7.263	43	14469	3.087	ug/l #	78
29) Tetrahydrofuran	7.622	42	3422	1.138	ug/l #	83
31) Cyclohexane	8.016	56	10203	1.168	ug/l #	13
36) 1,1-Dichloropropene	8.016	75	40384	5.226	ug/l #	49
37) Ethyl Acetate	7.340	43	81322	8.687	ug/l	99
38) Carbon Tetrachloride	8.016	117	55009	6.228	ug/l #	18
41) Methacrylonitrile	7.628	41	2009	0.475	ug/l #	24
42) 1,2-Dichloroethane	8.492	62	2182	0.260	ug/l #	74
43) Isopropyl Acetate	8.498	43	342846	25.707	ug/l #	92
48) Methyl methacrylate	9.486	41	10575	1.853	ug/l #	40
49) 1,4-Dioxane	9.510	88	65	0.383	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	19873	2.204	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	2605	0.292	ug/l #	55
54) cis-1,3-Dichloropropene	10.186	75	137696	14.118	ug/l #	60
57) 1,3-Dichloropropane	11.033	76	18696	1.768	ug/l #	42
59) 2-Hexanone	11.033	43	222262	32.029	ug/l #	48
74) N-amyl acetate	12.327	43	3018	0.231	ug/l #	49
76) 1,2,3-Trichloropropane	12.675	75	209093	21.197	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	209093	60.288	ug/l #	10

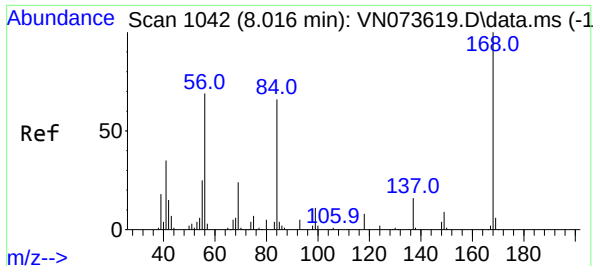
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

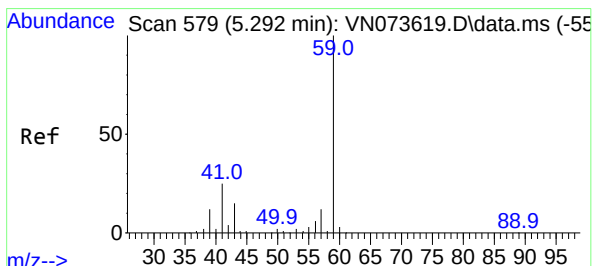
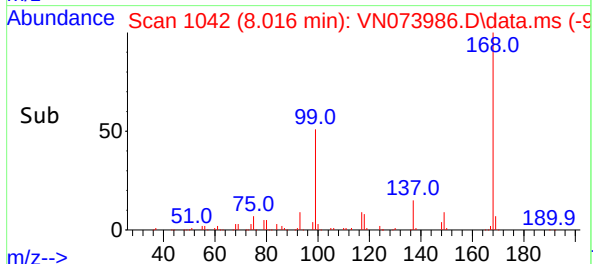
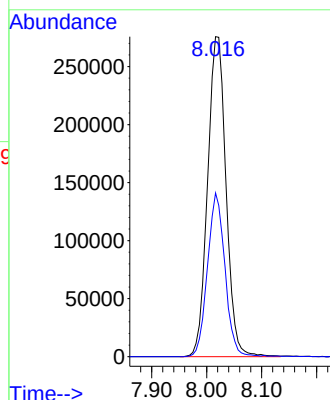
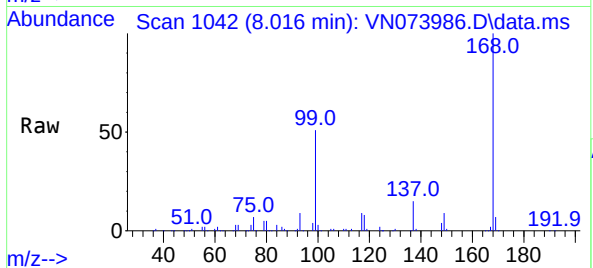




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

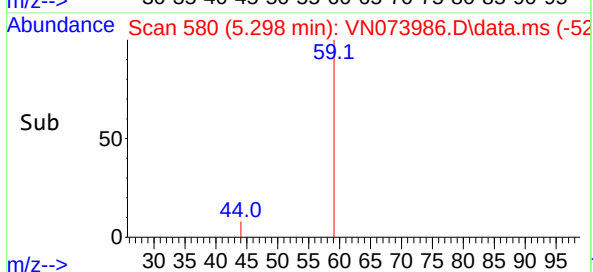
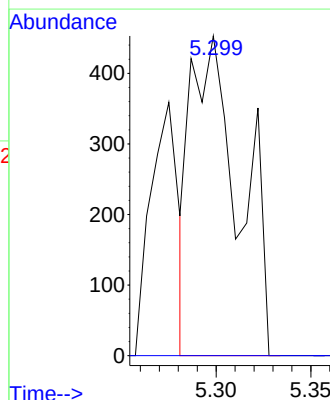
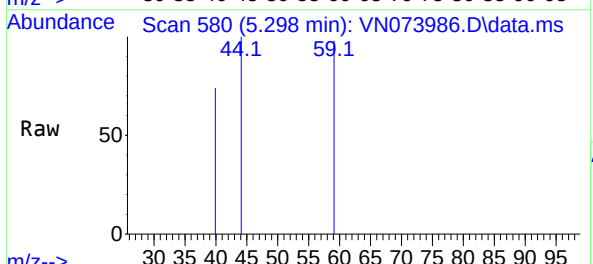
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

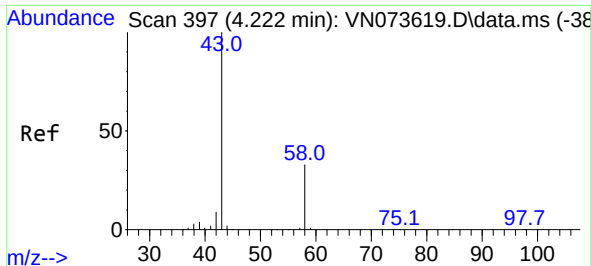
Tgt Ion:168 Resp: 643316
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.573 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 59 Resp: 803
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

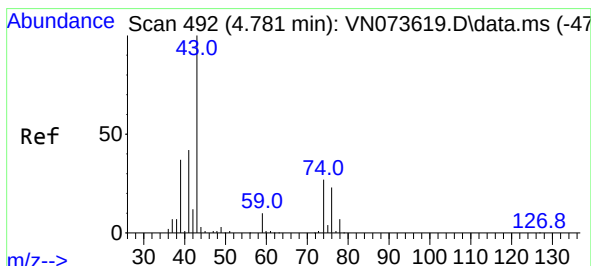
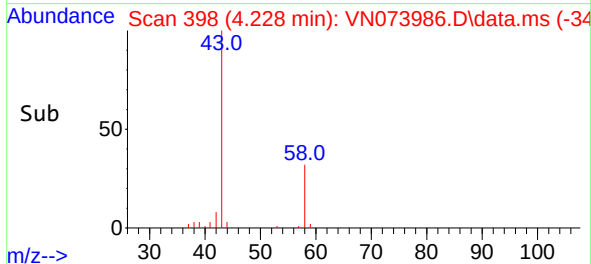
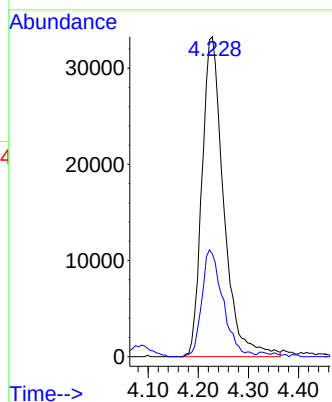
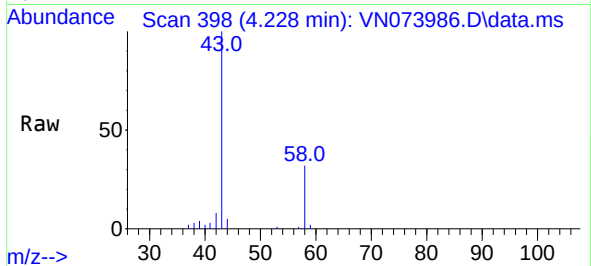




#16
Acetone
Concen: 33.870 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

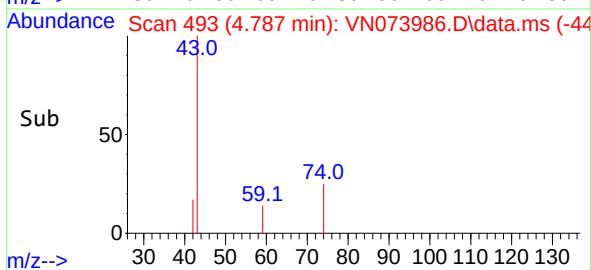
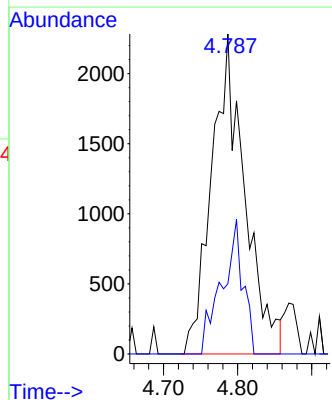
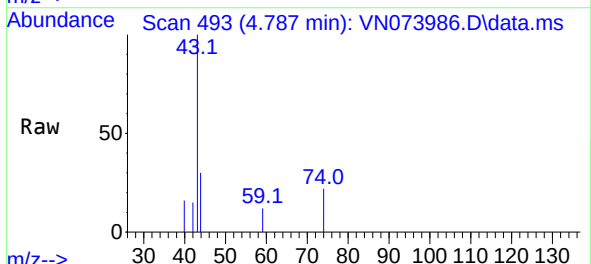
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

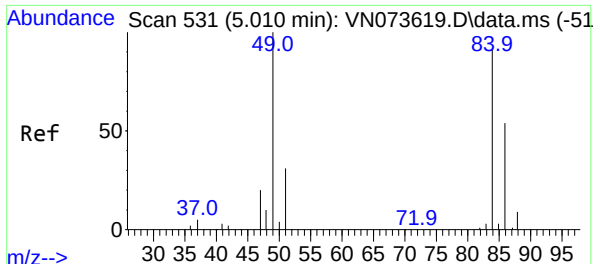
Tgt Ion: 43 Resp: 100125
Ion Ratio Lower Upper
43 100
58 32.1 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 43 Resp: 7069
Ion Ratio Lower Upper
43 100
74 26.8 21.6 32.4



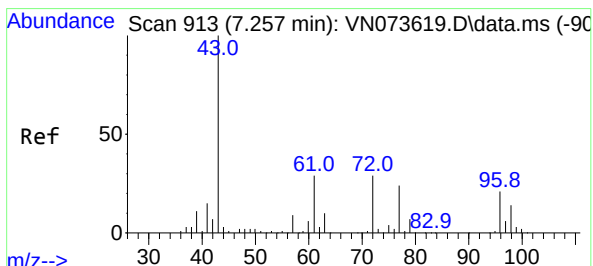
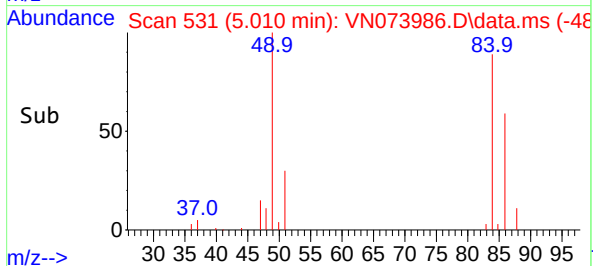
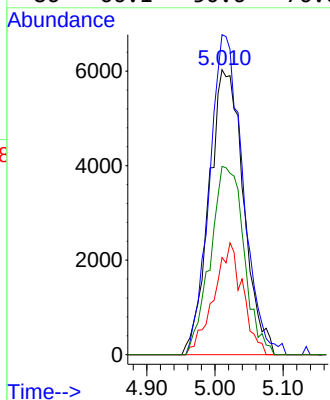
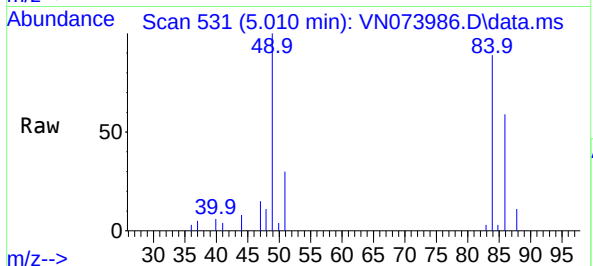


#20
Methylene Chloride
Concen: 3.390 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

Tgt Ion: 84 Resp: 21148

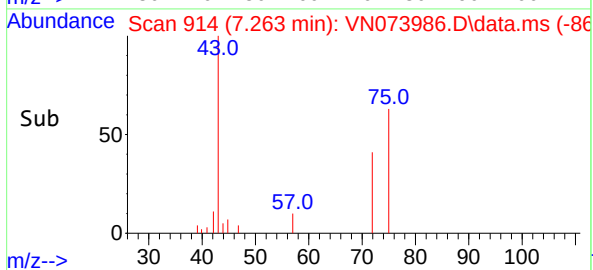
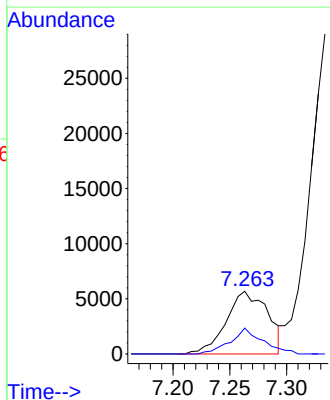
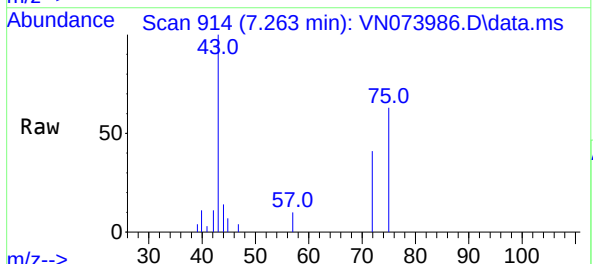
Ion	Ratio	Lower	Upper
84	100		
49	112.3	88.3	132.5
51	34.1	28.2	42.2
86	66.1	50.6	76.0

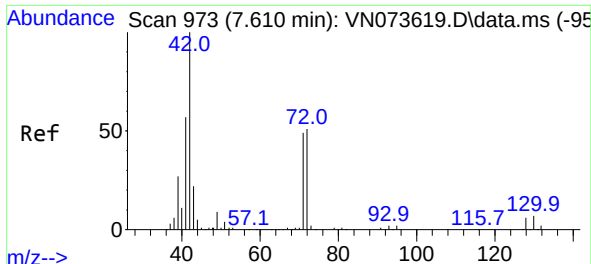


#25
2-Butanone
Concen: 3.087 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 43 Resp: 14469

Ion	Ratio	Lower	Upper
43	100		
72	41.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.138 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073986.D

Acq: 17 Aug 2022 19:14

Instrument :

MSVOA_N

ClientSampleId :

PB147075TB

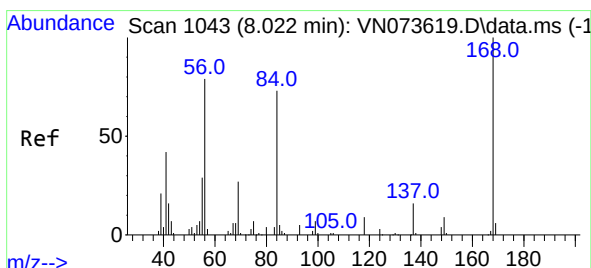
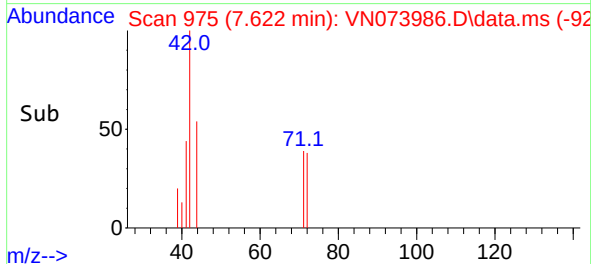
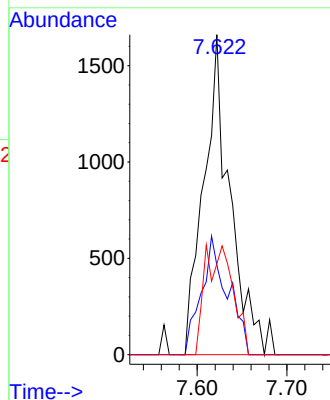
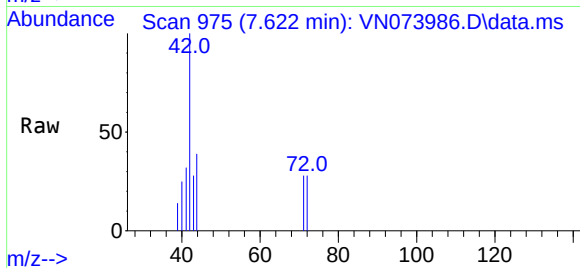
Tgt Ion: 42 Resp: 3422

Ion Ratio Lower Upper

42 100

72 36.7 39.7 59.5#

71 35.8 36.6 55.0#



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073986.D

Acq: 17 Aug 2022 19:14

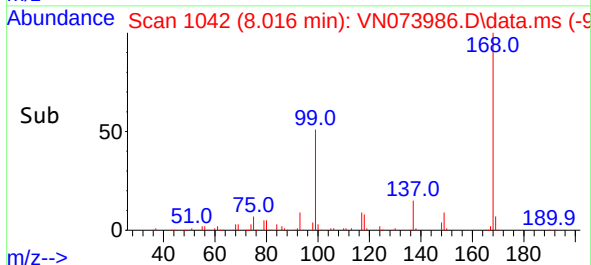
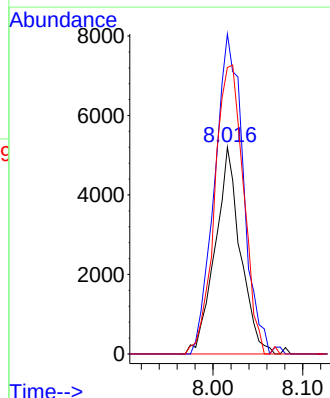
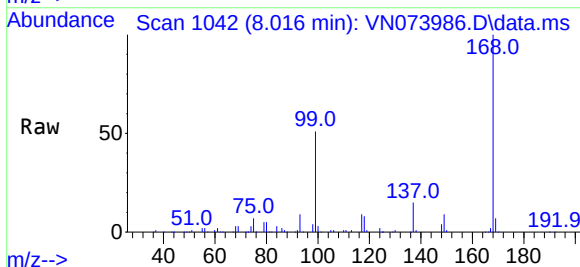
Tgt Ion: 56 Resp: 10203

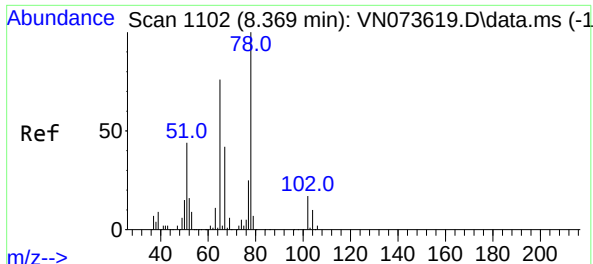
Ion Ratio Lower Upper

56 100

69 154.8 27.8 41.8#

84 138.6 76.9 115.3#

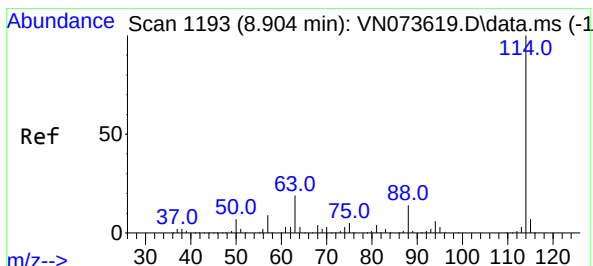
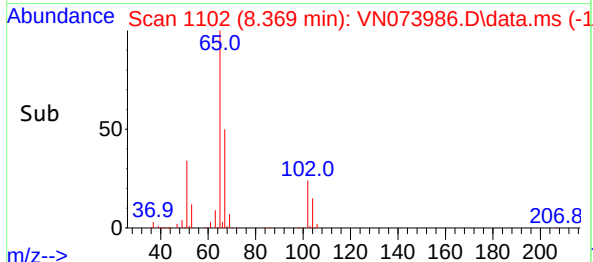
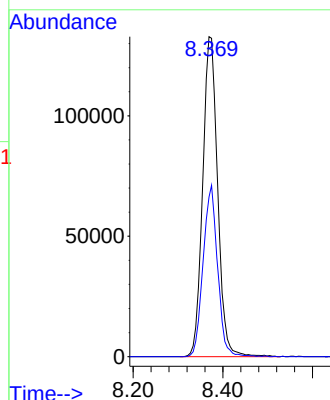
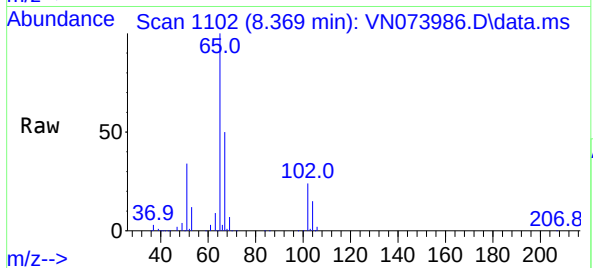




#33
1,2-Dichloroethane-d4
Concen: 49.128 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

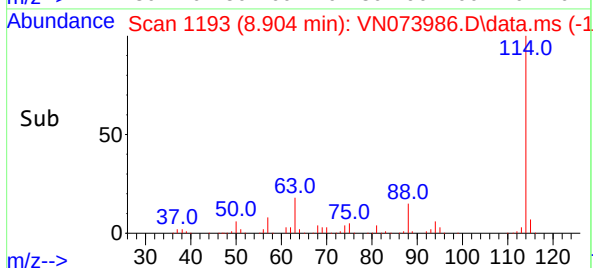
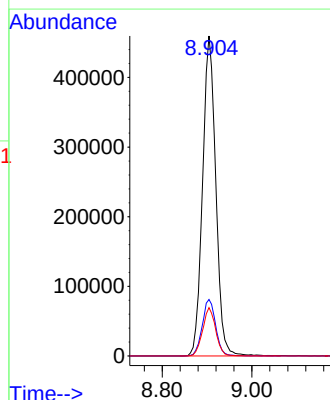
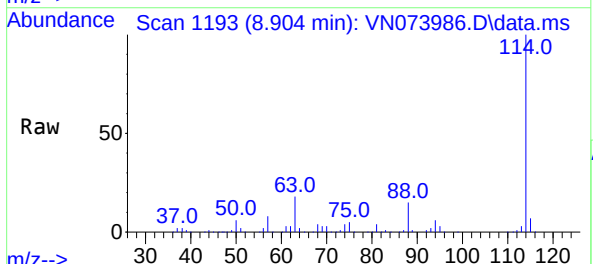
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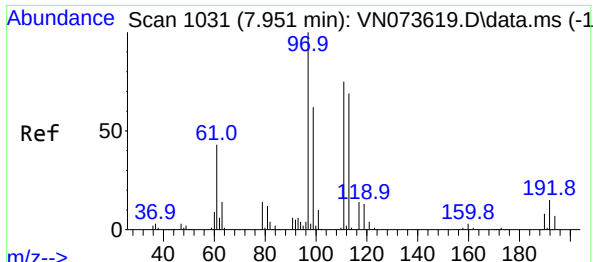
Tgt Ion: 65 Resp: 307829
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 114 Resp: 940741
Ion Ratio Lower Upper
114 100
63 17.7 0.0 40.0
88 15.1 0.0 32.6

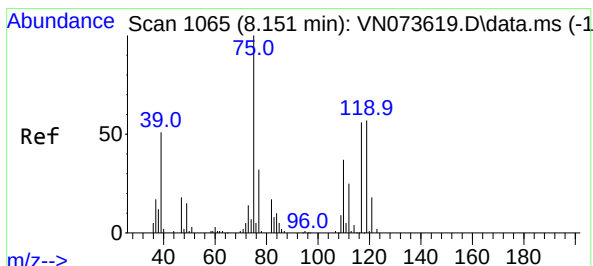
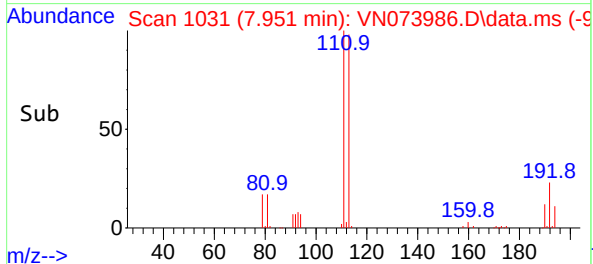
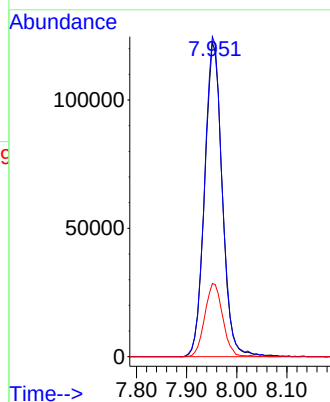
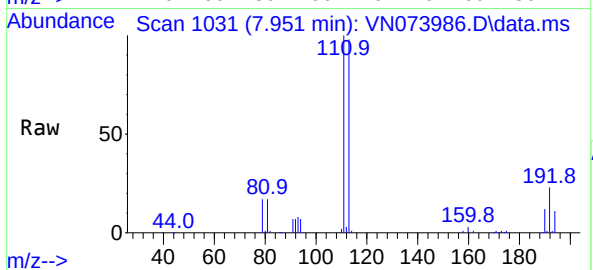




#35
Dibromofluoromethane
Concen: 53.669 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

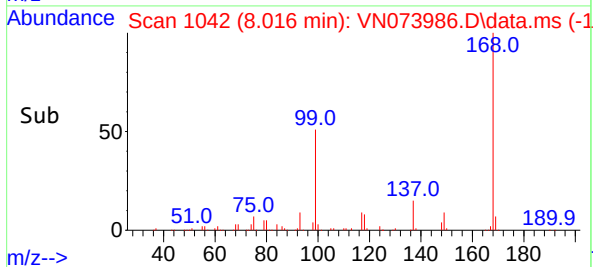
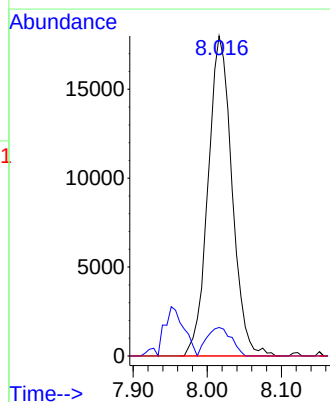
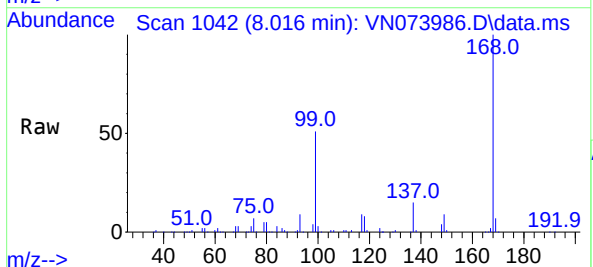
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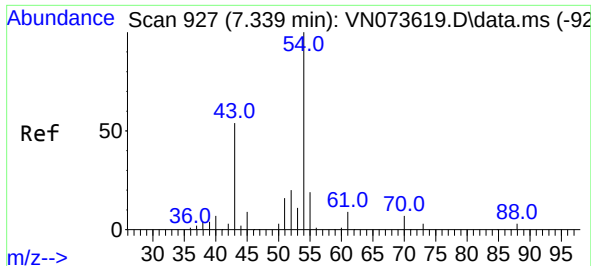
Tgt Ion:113 Resp: 298585
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.0
192 23.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 75 Resp: 40384
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#

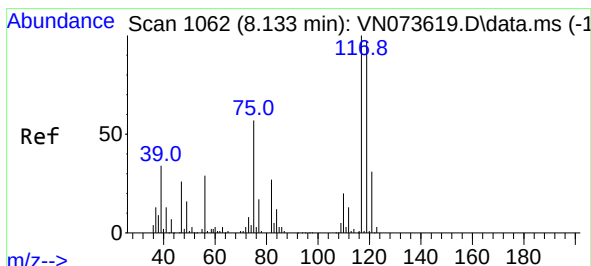
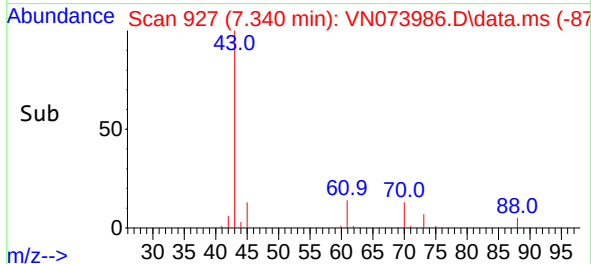
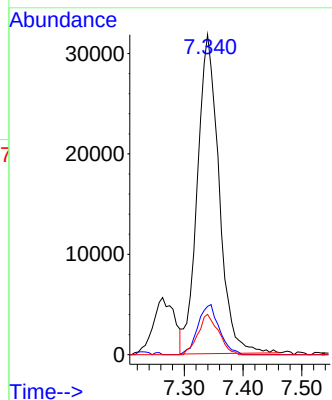
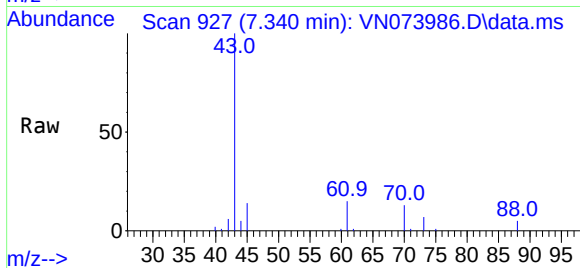




#37
Ethyl Acetate
Concen: 8.687 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.001 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

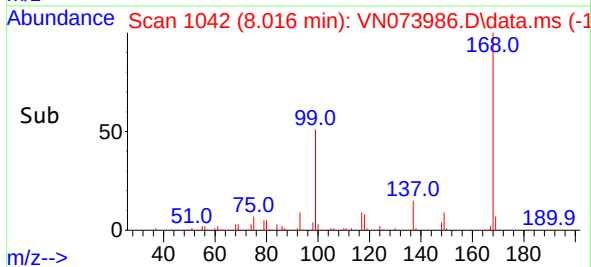
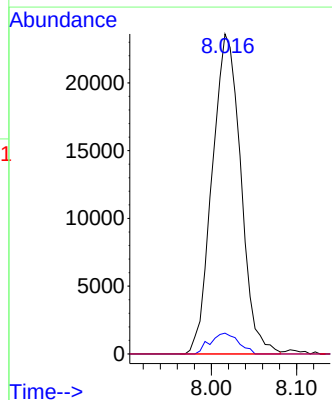
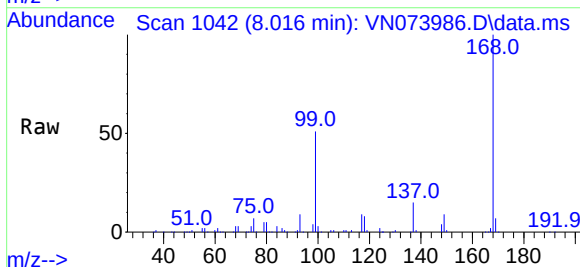
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

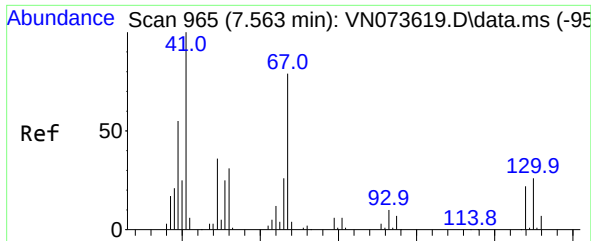
Tgt Ion:	43	Resp:	81322
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.9	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.228 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

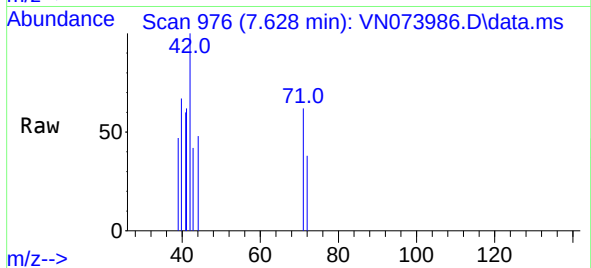
Tgt Ion:	117	Resp:	55009
Ion	Ratio	Lower	Upper
117	100		
119	6.5	75.8	113.8#
121	0.0	24.6	37.0#





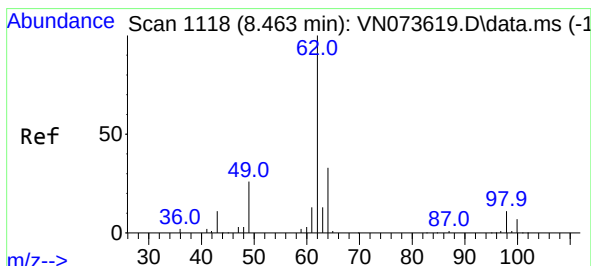
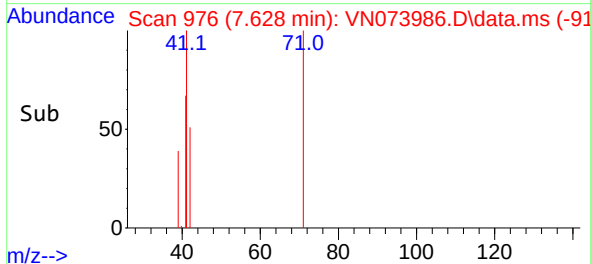
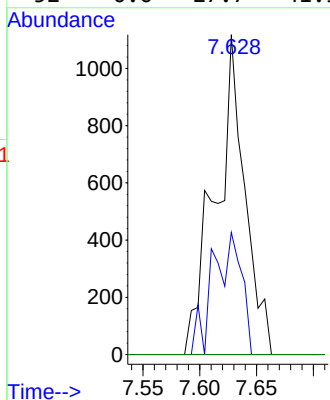
#41
Methacrylonitrile
Concen: 0.475 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.065 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Instrument :
MSVOA_N
ClientSampleId :
PB147075TB



Tgt Ion: 41 Resp: 2009

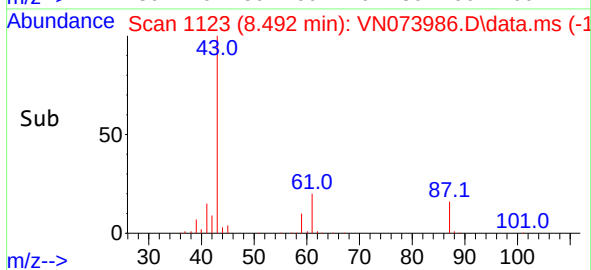
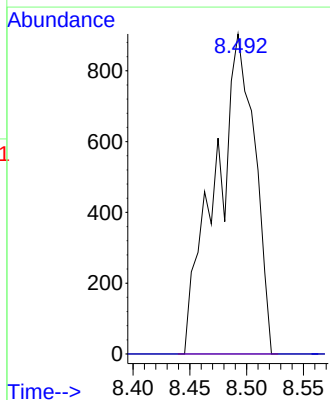
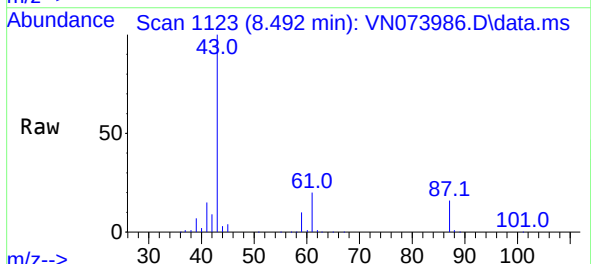
Ion	Ratio	Lower	Upper
41	100		
39	19.4	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#

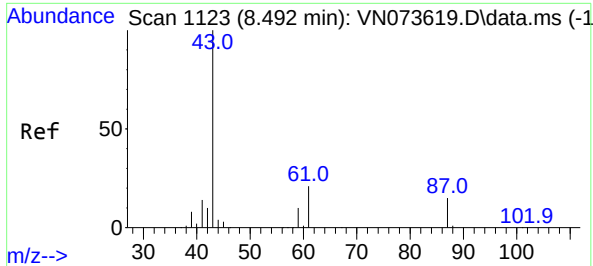


#42
1,2-Dichloroethane
Concen: 0.260 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 62 Resp: 2182

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 25.707 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073986.D

Acq: 17 Aug 2022 19:14

Instrument :

MSVOA_N

ClientSampleId :

PB147075TB

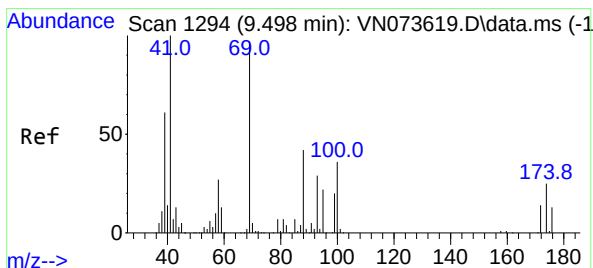
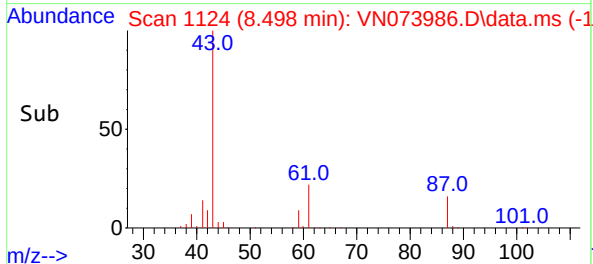
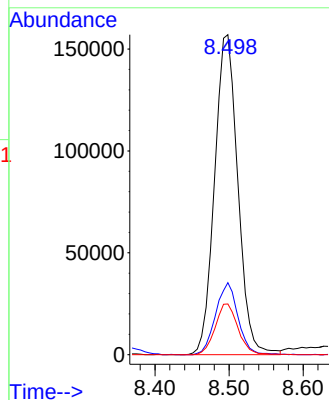
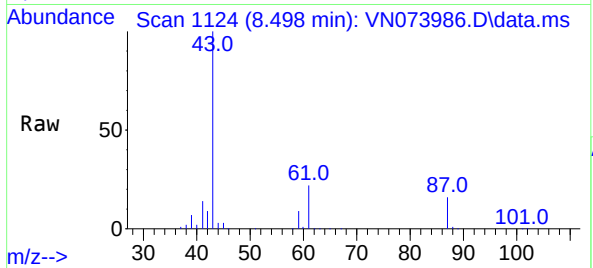
Tgt Ion: 43 Resp: 342846

Ion Ratio Lower Upper

43 100

61 21.7 21.9 32.9#

87 15.6 12.0 18.0



#48

Methyl methacrylate

Concen: 1.853 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073986.D

Acq: 17 Aug 2022 19:14

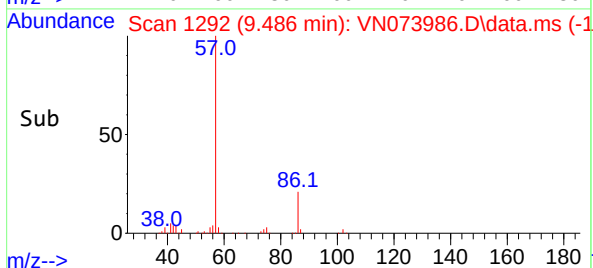
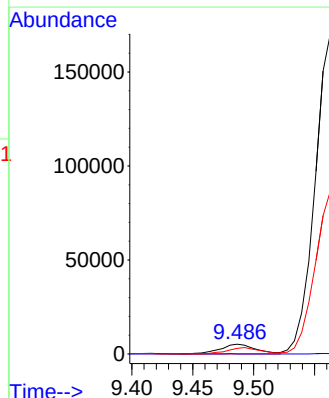
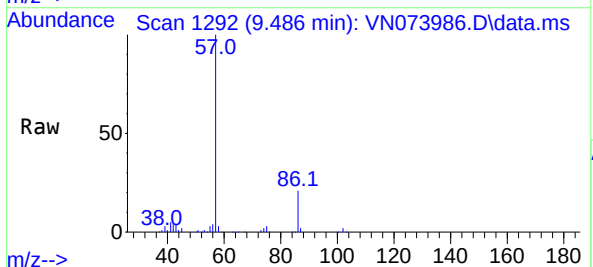
Tgt Ion: 41 Resp: 10575

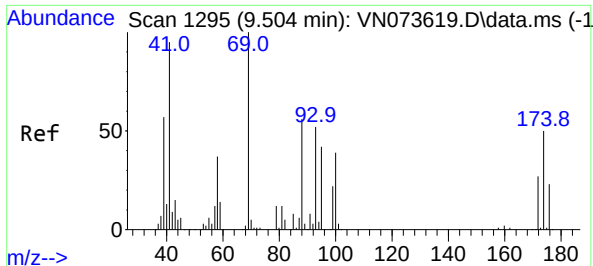
Ion Ratio Lower Upper

41 100

69 0.5 74.7 112.1#

39 57.9 45.6 68.4

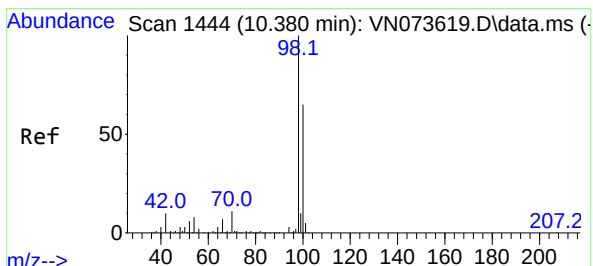
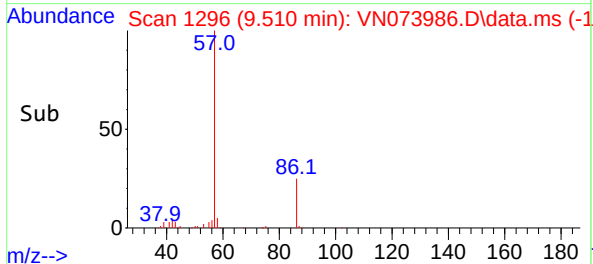
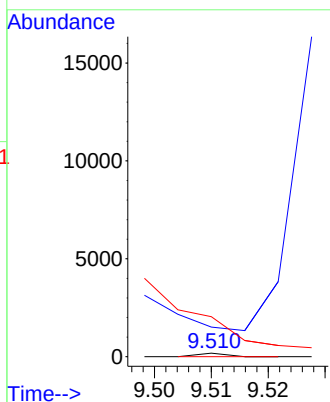
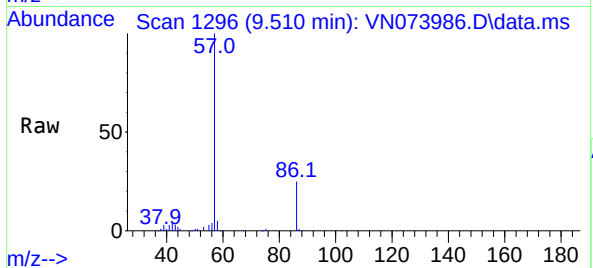




#49
1,4-Dioxane
Concen: 0.383 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

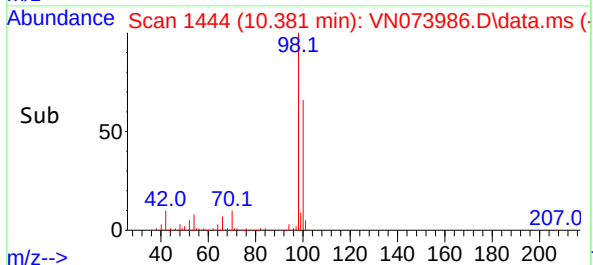
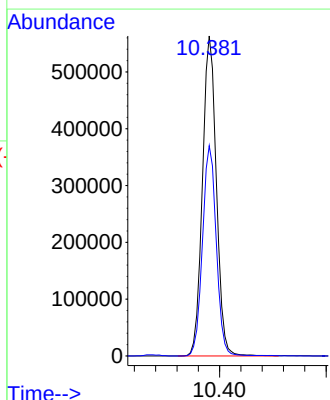
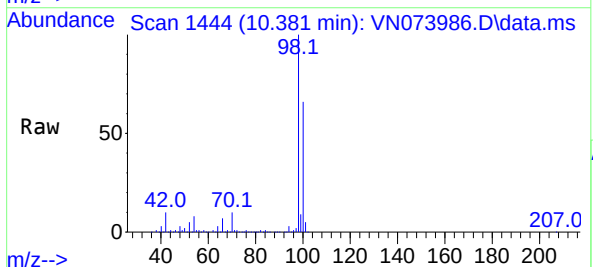
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

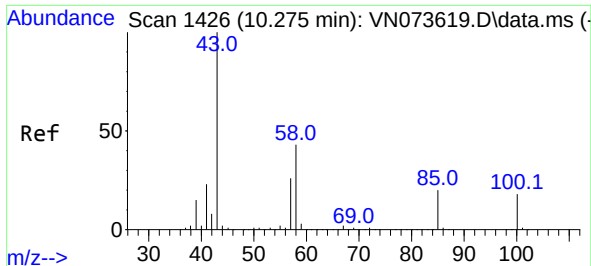
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 47.394 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 98 Resp: 1021186
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

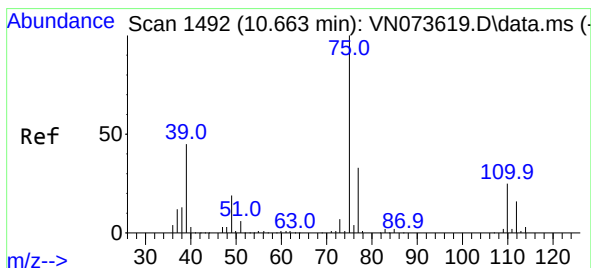
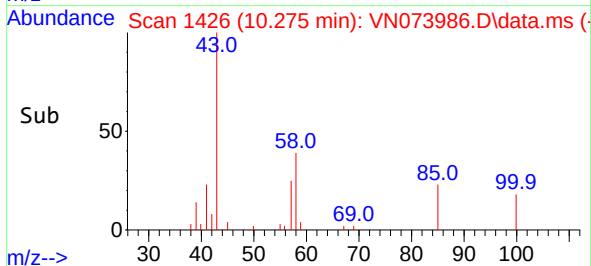
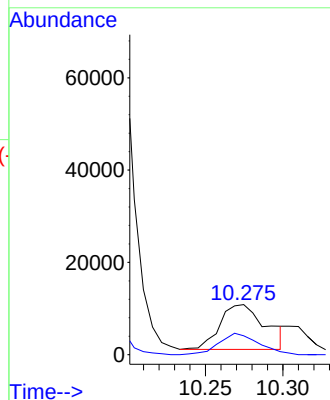
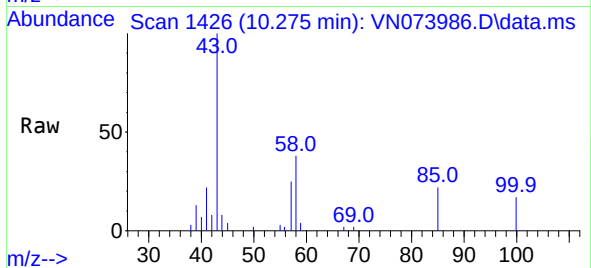




#51
4-Methyl-2-Pentanone
Concen: 2.204 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

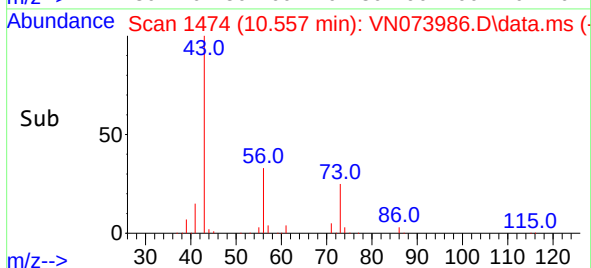
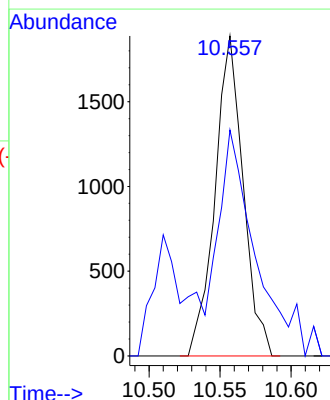
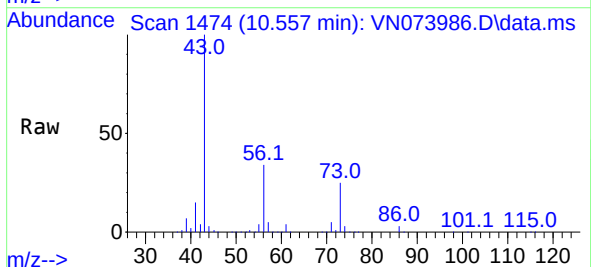
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

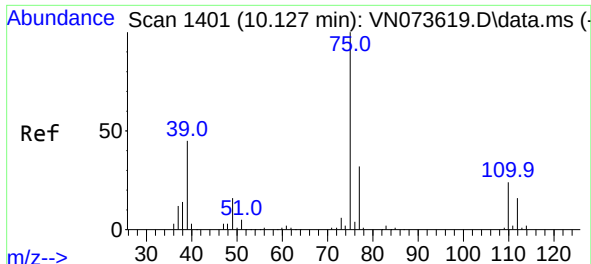
Tgt Ion: 43 Resp: 19873
Ion Ratio Lower Upper
43 100
58 41.6 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.292 ug/l
RT: 10.557 min Scan# 1474
Delta R.T. -0.106 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

Tgt Ion: 75 Resp: 2605
Ion Ratio Lower Upper
75 100
77 57.0 25.6 38.4#

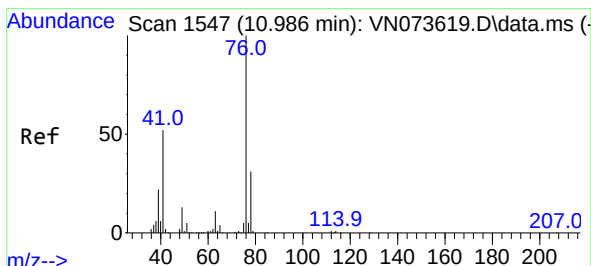
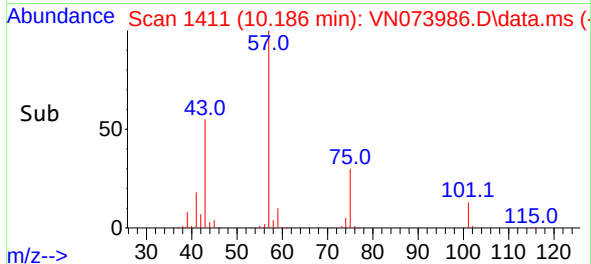
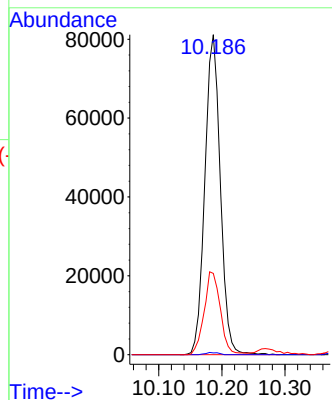
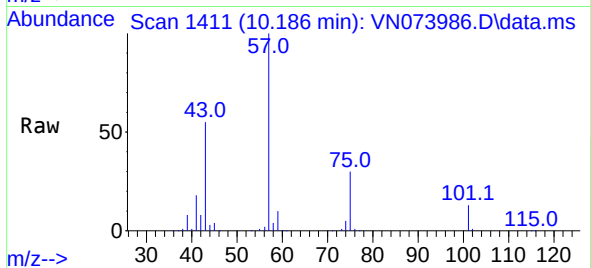




#54
 cis-1,3-Dichloropropene
 Concen: 14.118 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073986.D
 Acq: 17 Aug 2022 19:14

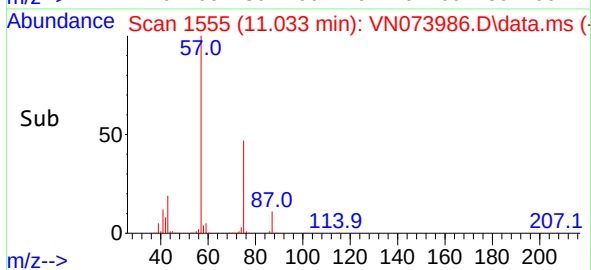
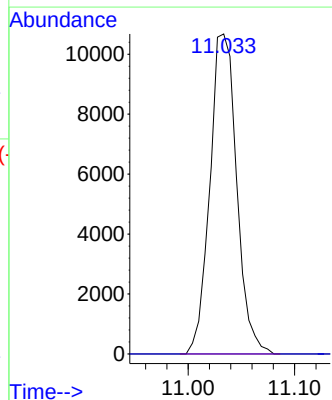
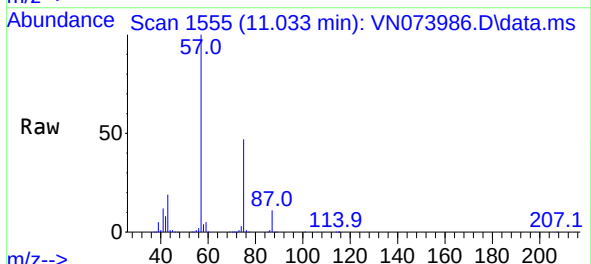
Instrument :
 MSVOA_N
 ClientSampleId :
 PB147075TB

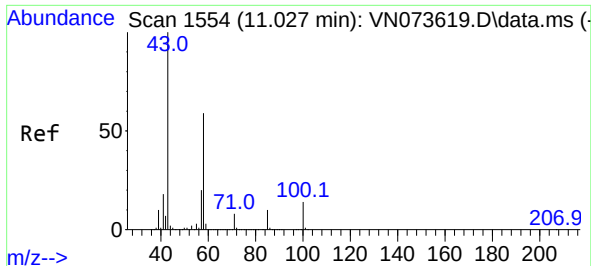
Tgt Ion: 75 Resp: 137696
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 25.4 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.768 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073986.D
 Acq: 17 Aug 2022 19:14

Tgt Ion: 76 Resp: 18696
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

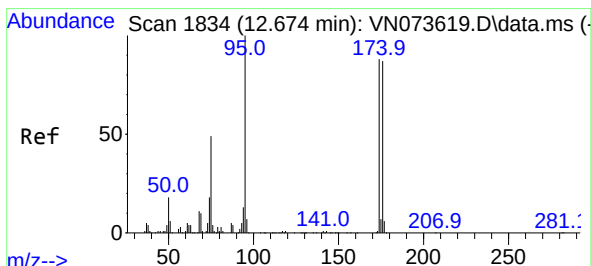
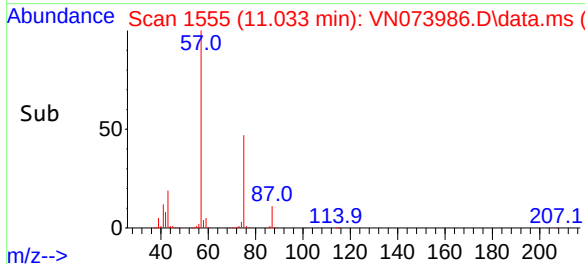
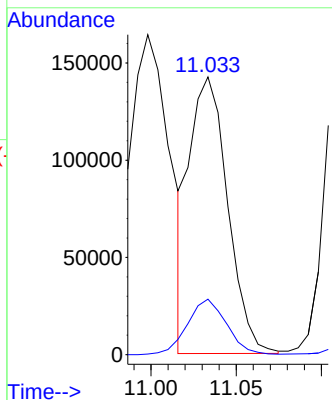
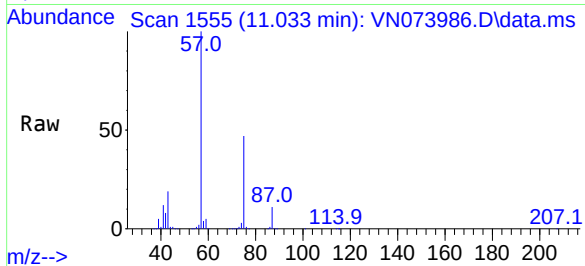




#59
2-Hexanone
Concen: 32.029 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

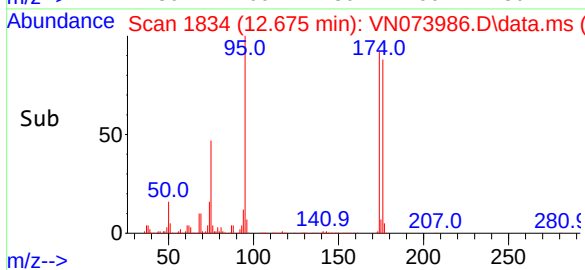
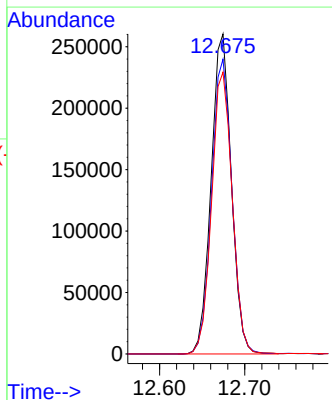
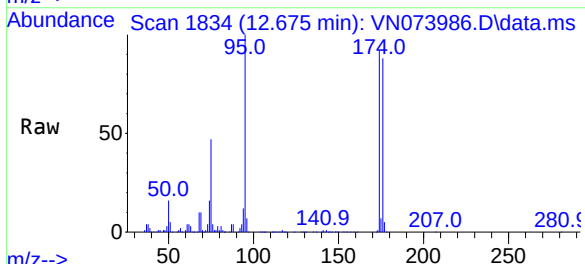
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

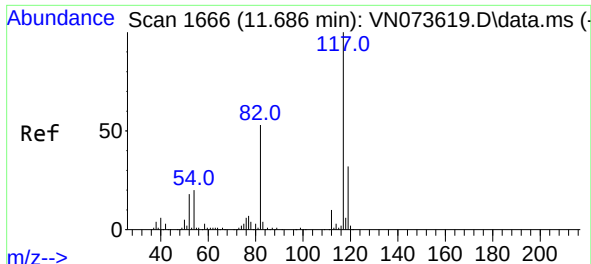
Tgt Ion: 43 Resp: 222262
Ion Ratio Lower Upper
43 100
58 20.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 60.018 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

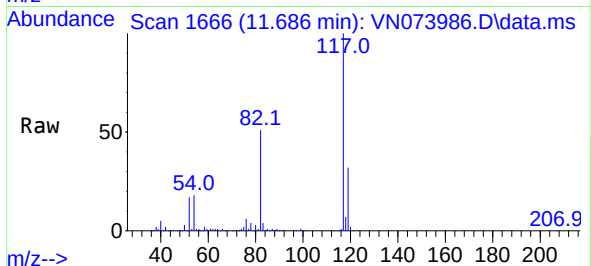
Tgt Ion: 95 Resp: 429184
Ion Ratio Lower Upper
95 100
174 93.1 0.0 167.6
176 89.7 0.0 163.4



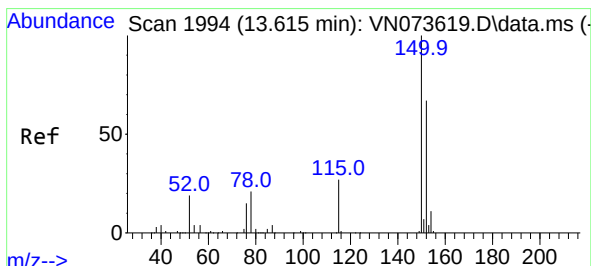
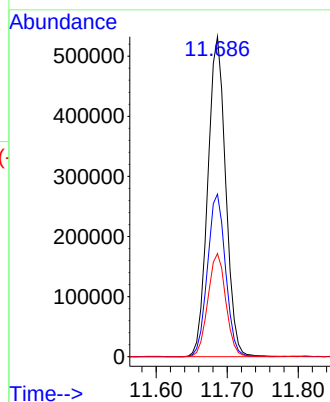
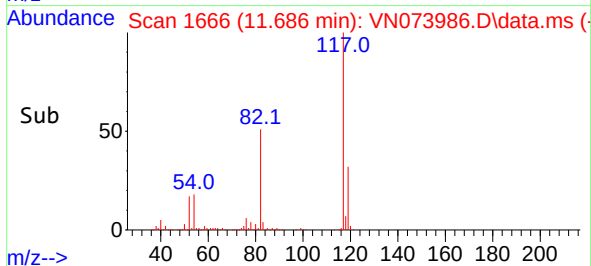


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

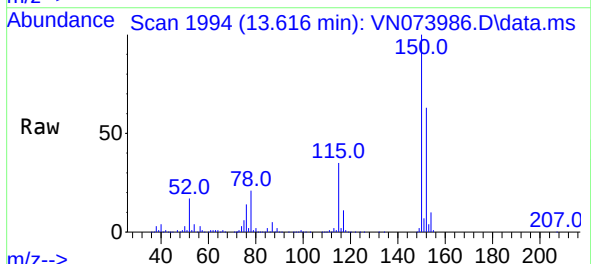
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB



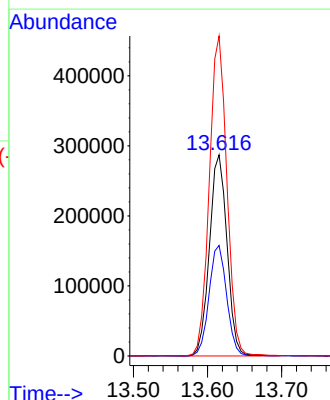
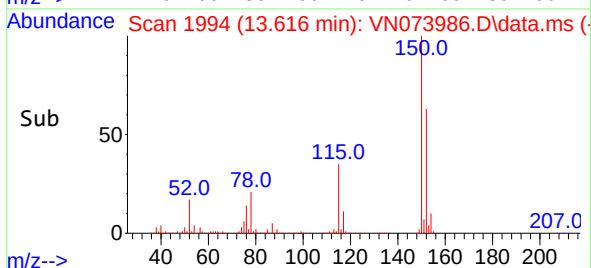
Tgt Ion:117 Resp: 932139
Ion Ratio Lower Upper
117 100
82 50.8 44.2 66.2
119 32.2 25.4 38.0

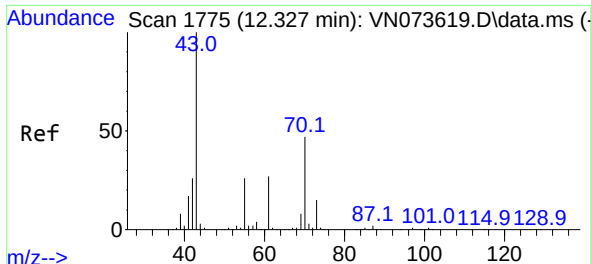


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14



Tgt Ion:152 Resp: 474590
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 158.3 0.0 356.2

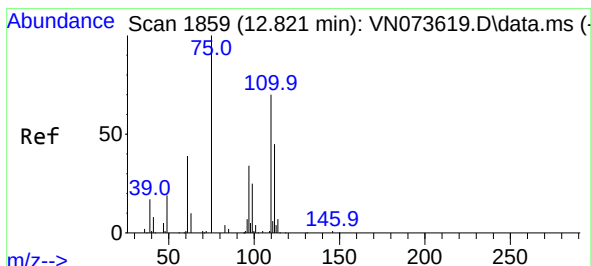
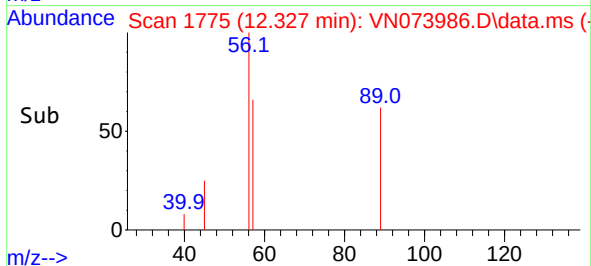
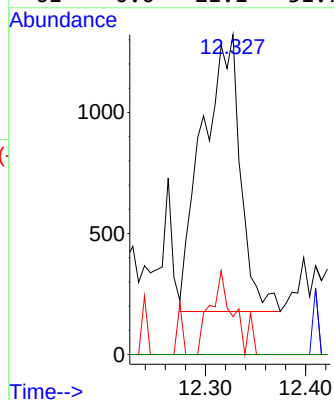
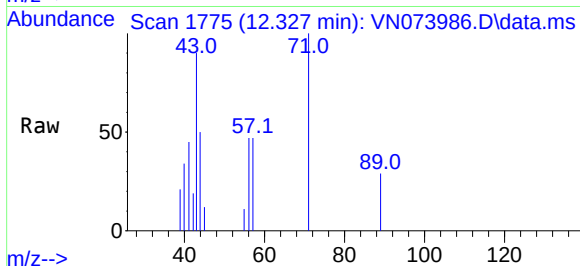




#74
N-amy1 acetate
Concen: 0.231 ug/l
RT: 12.327 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

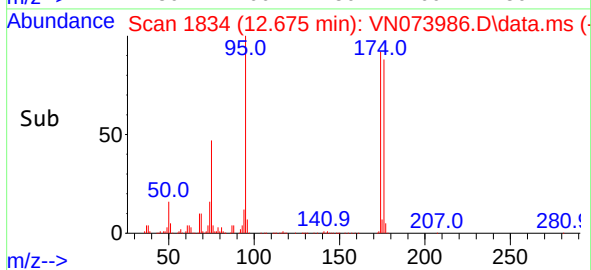
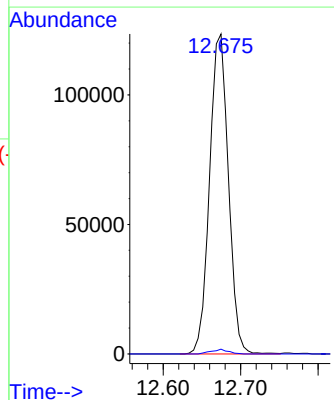
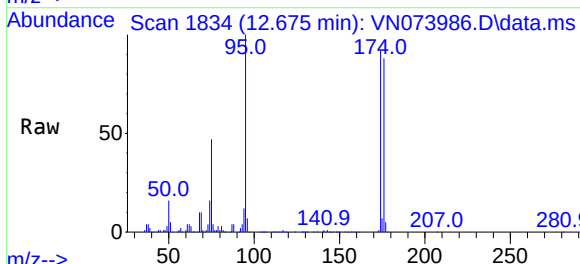
Instrument :
MSVOA_N
ClientSampleId :
PB147075TB

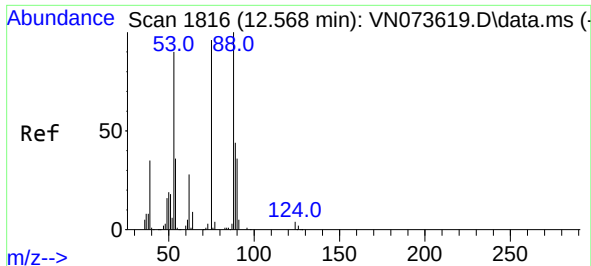
Tgt Ion:	43	Resp:	3018
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	19.1	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 21.197 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.146 min
Lab File: VN073986.D
Acq: 17 Aug 2022 19:14

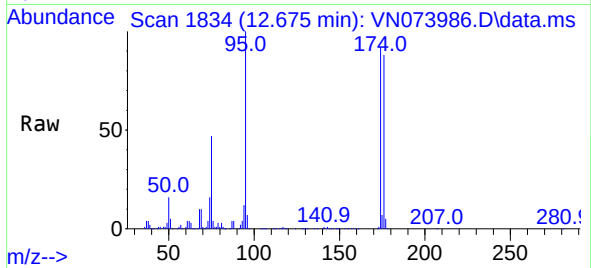
Tgt Ion:	75	Resp:	209093
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.288 ug/l
 RT: 12.675 min Scan# 11
 Delta R.T. 0.107 min
 Lab File: VN073986.D
 Acq: 17 Aug 2022 19:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147075TB



Tgt Ion: 75 Resp: 209093

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.0	117.0#
89	0.0	37.2	55.8#

