

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073955.D
 Acq On : 16 Aug 2022 17:50
 Operator : JC\MD
 Sample : PB146997TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146997TB

Quant Time: Aug 17 01:18:51 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)

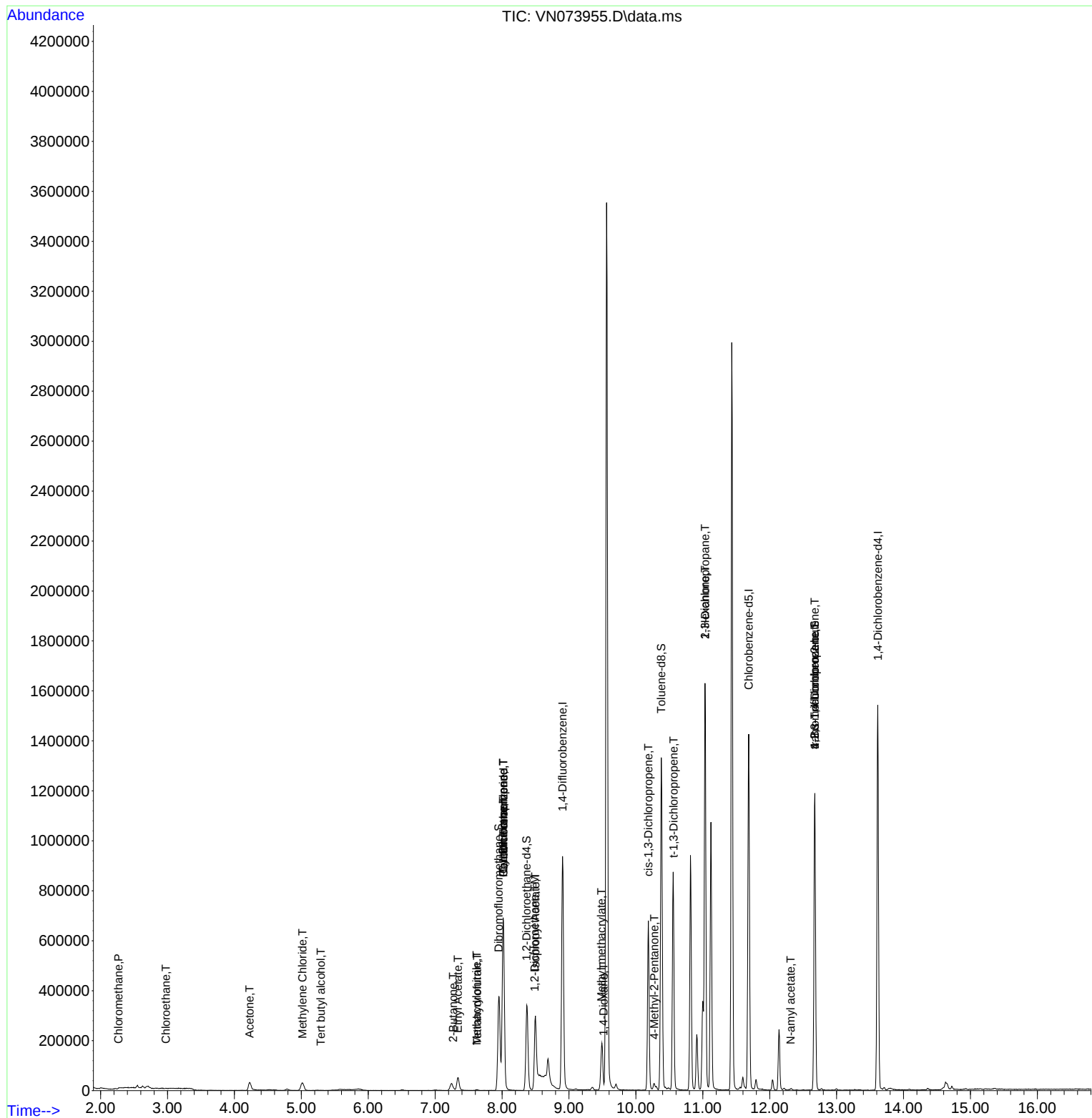
Internal Standards						
1) Pentafluorobenzene	8.022	168	590358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	889666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	867973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	451302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	290509	50.523	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.040%			
35) Dibromofluoromethane	7.951	113	277540	52.750	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.380	98	943751	46.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.620%			
62) 4-Bromofluorobenzene	12.674	95	392619	58.056	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.120%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1053	0.202	ug/l	90
6) Chloroethane	2.975	64	1364	0.289	ug/l #	42
11) Tert butyl alcohol	5.292	59	344	0.267	ug/l #	72
16) Acetone	4.228	43	59593	21.967	ug/l	98
18) Methyl Acetate	4.787	43	11117	Below Cal		92
20) Methylene Chloride	5.016	84	26758	4.674	ug/l	96
25) 2-Butanone	7.269	43	13376	3.110	ug/l #	87
29) Tetrahydrofuran	7.628	42	2316	0.839	ug/l #	64
31) Cyclohexane	8.016	56	9152	1.142	ug/l #	7
36) 1,1-Dichloropropene	8.016	75	38170	5.223	ug/l #	49
37) Ethyl Acetate	7.339	43	78987	8.922	ug/l	98
38) Carbon Tetrachloride	8.022	117	51929	6.217	ug/l #	18
41) Methacrylonitrile	7.622	41	1292	0.323	ug/l #	23
42) 1,2-Dichloroethane	8.486	62	2434	0.307	ug/l #	74
43) Isopropyl Acetate	8.498	43	364045	28.864	ug/l #	90
48) Methyl methacrylate	9.486	41	10852	2.011	ug/l #	39
49) 1,4-Dioxane	9.516	88	58	0.361	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	15298	1.794	ug/l	92
53) t-1,3-Dichloropropene	10.563	75	2370	0.281	ug/l #	37
54) cis-1,3-Dichloropropene	10.186	75	128037	13.882	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	18191	1.819	ug/l #	42
59) 2-Hexanone	11.033	43	215784	32.880	ug/l #	49
74) N-amyl acetate	12.316	43	3637	0.293	ug/l #	44
76) 1,2,3-Trichloropropane	12.674	75	194687	20.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	194687	59.031	ug/l #	10

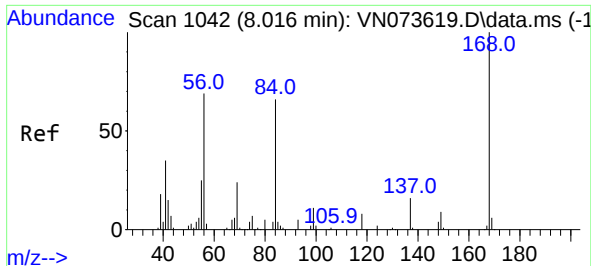
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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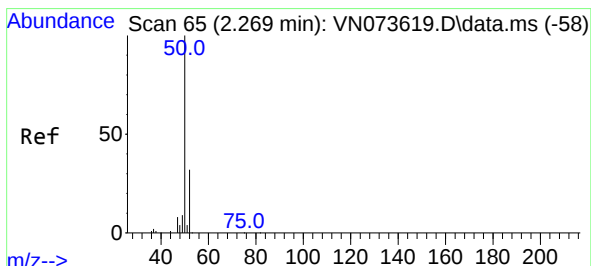
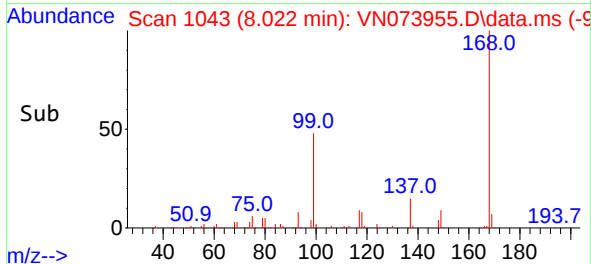
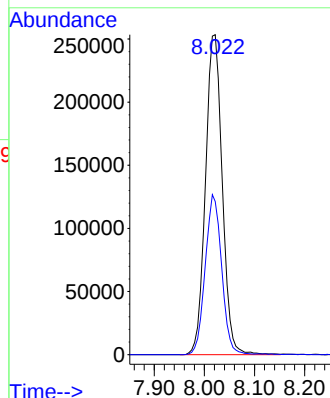
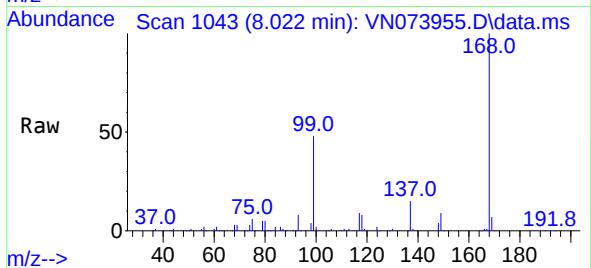




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

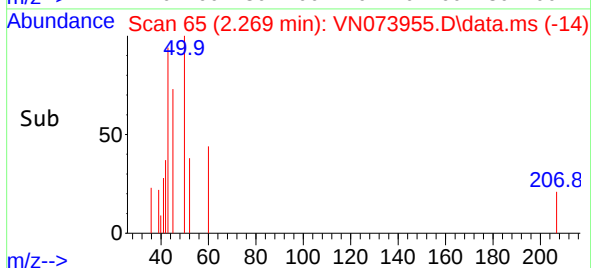
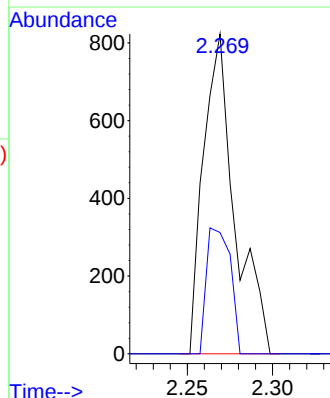
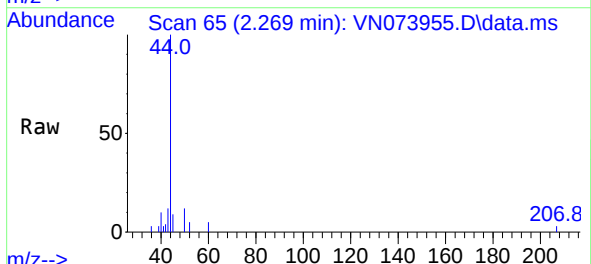
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

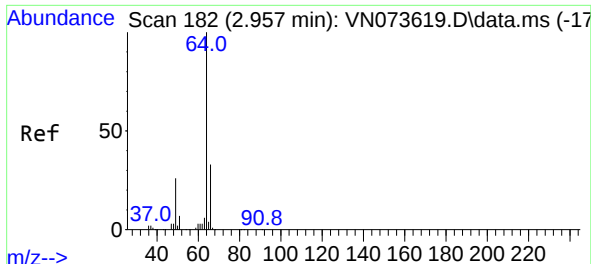
Tgt Ion:168 Resp: 590358
Ion Ratio Lower Upper
168 100
99 47.9 42.3 63.5



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 50 Resp: 1053
Ion Ratio Lower Upper
50 100
52 37.9 25.7 38.5

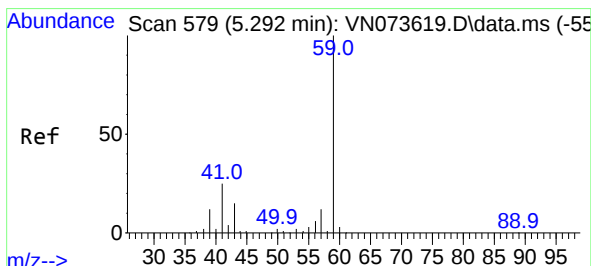
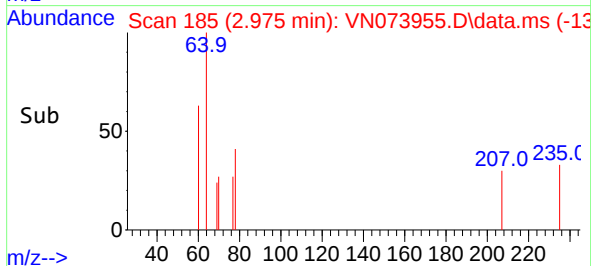
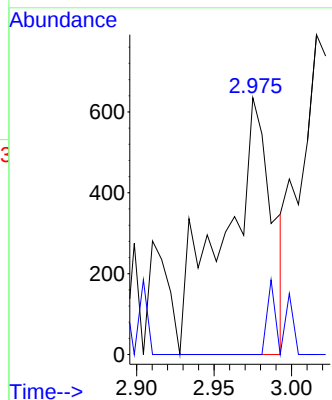
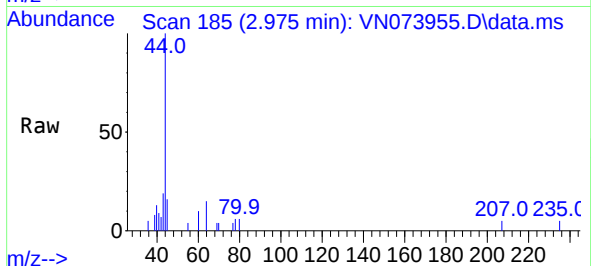




#6
Chloroethane
Concen: 0.289 ug/l
RT: 2.975 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

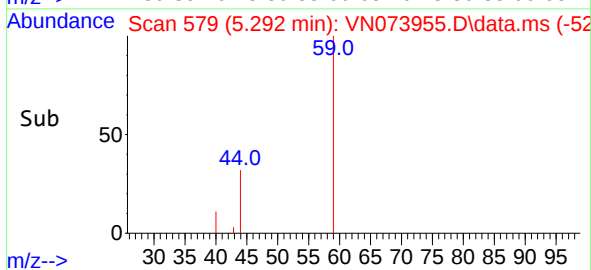
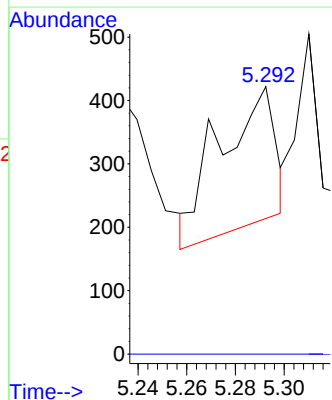
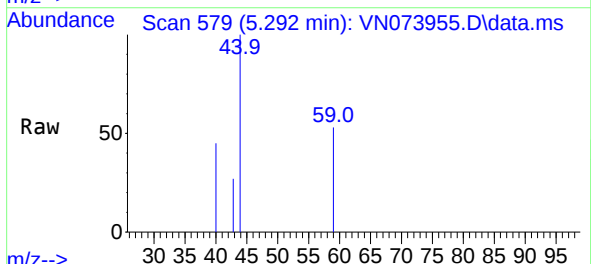
Instrument :
MSVOA_N
ClientSampleId :
PB146997B

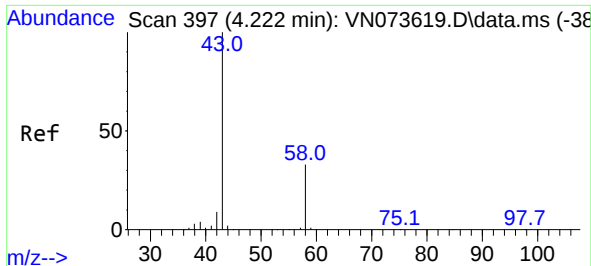
Tgt Ion: 64 Resp: 1364
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.267 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

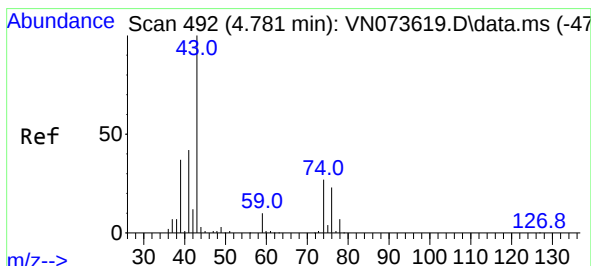
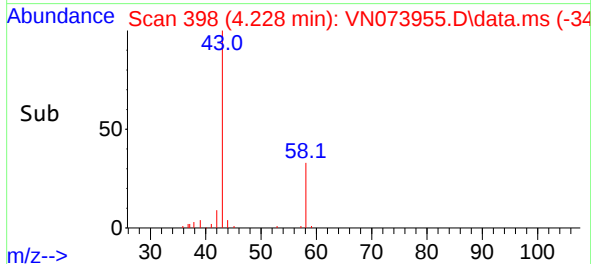
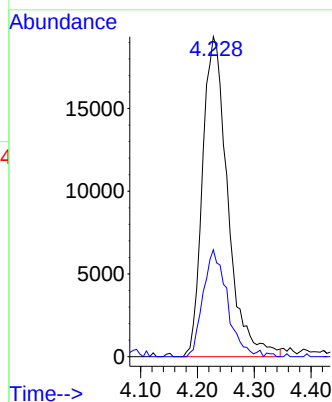
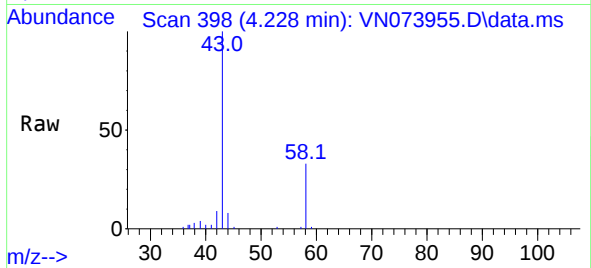




#16
Acetone
Concen: 21.967 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

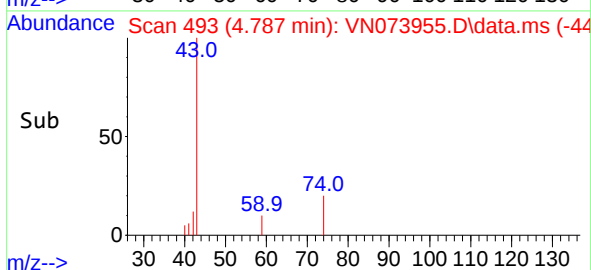
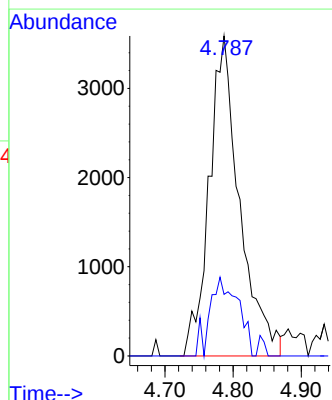
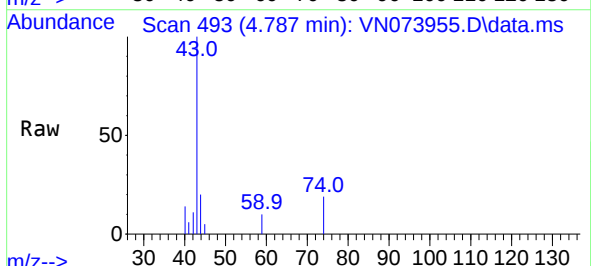
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

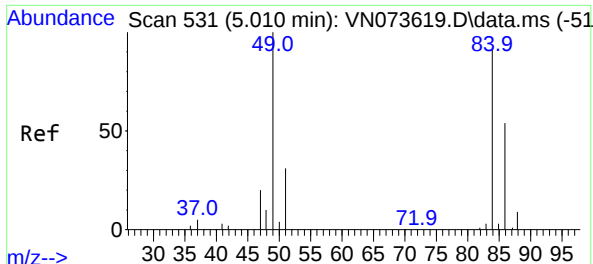
Tgt Ion: 43 Resp: 59593
Ion Ratio Lower Upper
43 100
58 33.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 43 Resp: 11117
Ion Ratio Lower Upper
43 100
74 22.8 21.6 32.4



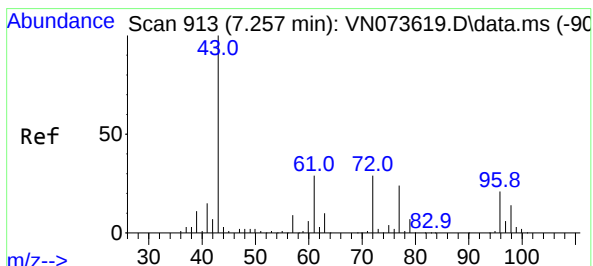
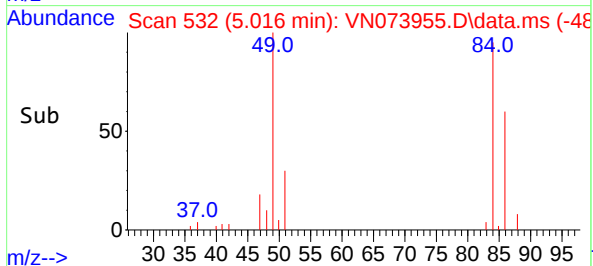
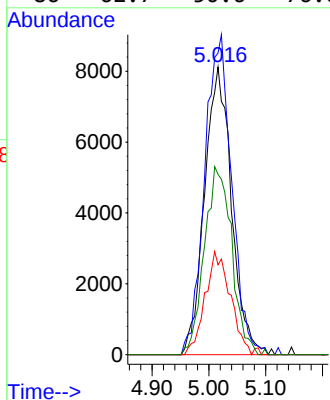
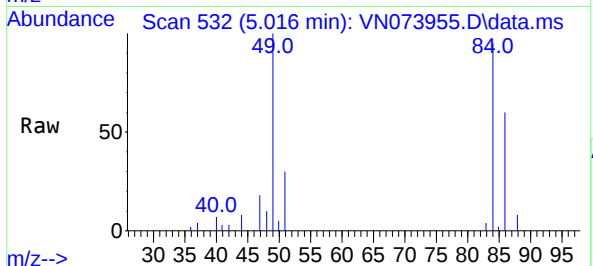


#20
Methylene Chloride
Concen: 4.674 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

Tgt Ion: 84 Resp: 26758

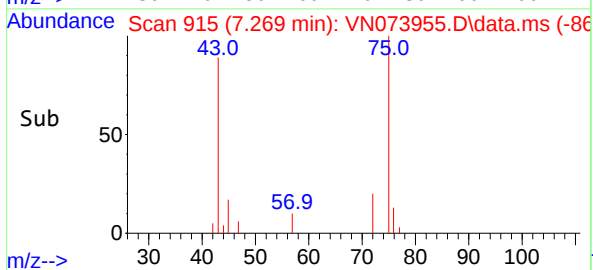
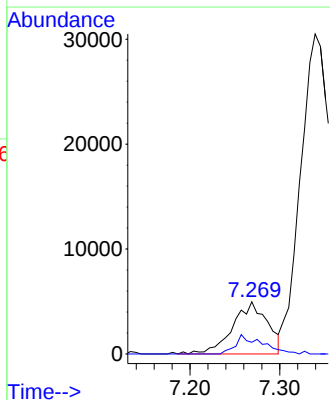
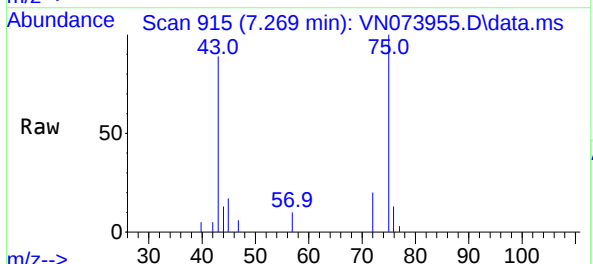
Ion	Ratio	Lower	Upper
84	100		
49	104.9	88.3	132.5
51	31.3	28.2	42.2
86	62.7	50.6	76.0

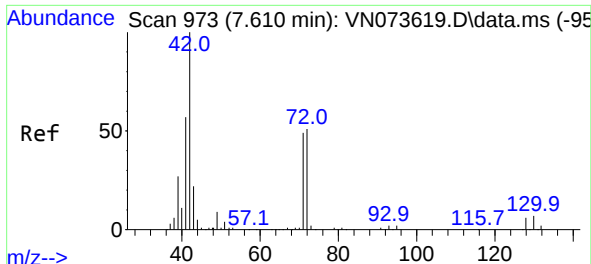


#25
2-Butanone
Concen: 3.110 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 43 Resp: 13376

Ion	Ratio	Lower	Upper
43	100		
72	22.4	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.839 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073955.D

Acq: 16 Aug 2022 17:50

Instrument :

MSVOA_N

ClientSampleId :

PB146997B

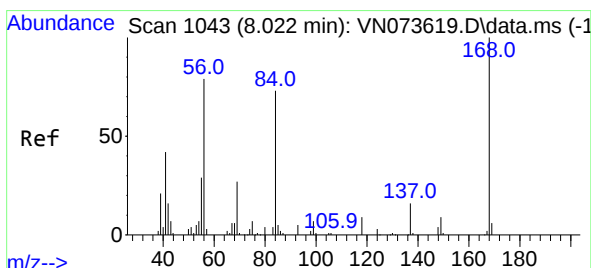
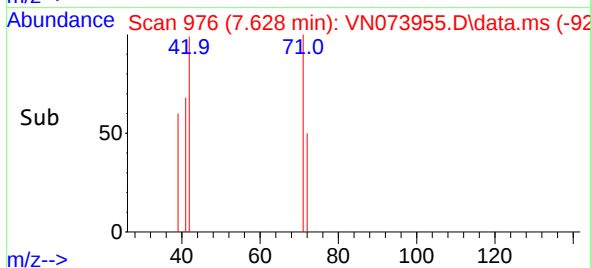
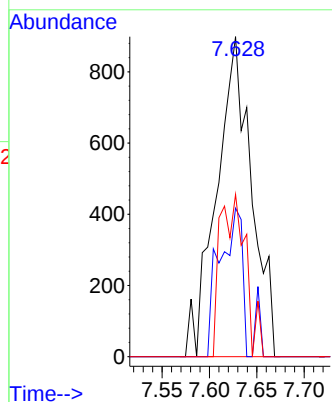
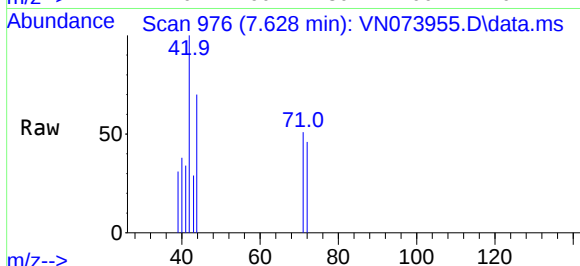
Tgt Ion: 42 Resp: 2316

Ion Ratio Lower Upper

42 100

72 29.7 39.7 59.5#

71 17.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073955.D

Acq: 16 Aug 2022 17:50

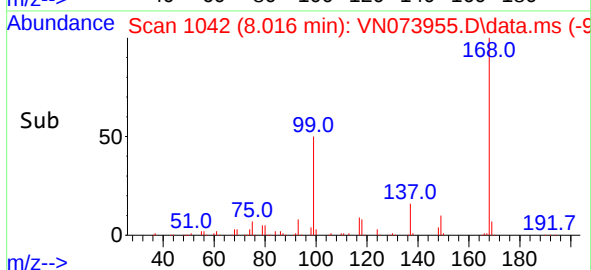
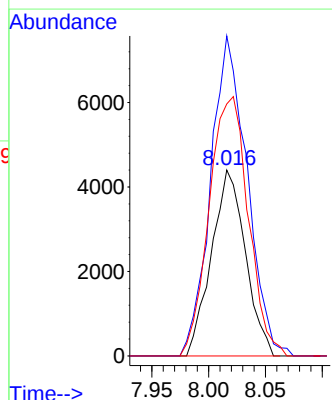
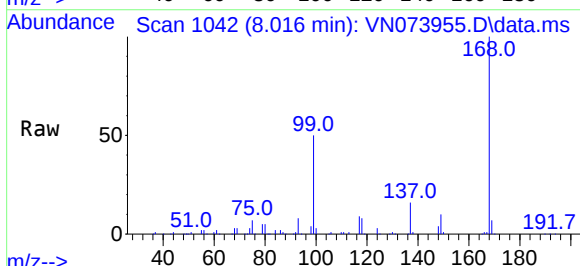
Tgt Ion: 56 Resp: 9152

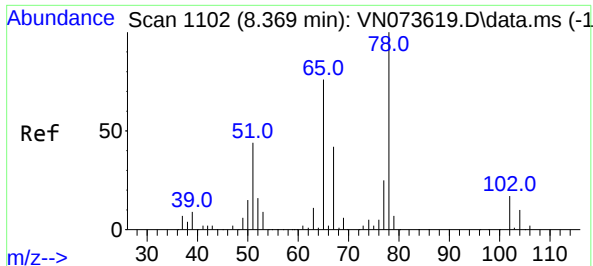
Ion Ratio Lower Upper

56 100

69 172.0 27.8 41.8#

84 135.5 76.9 115.3#

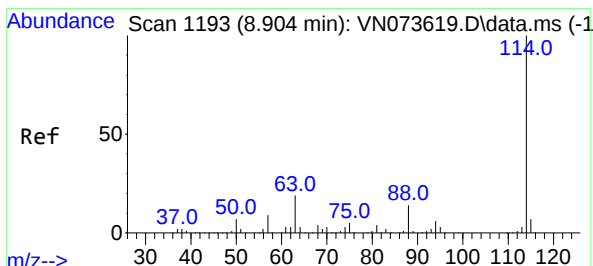
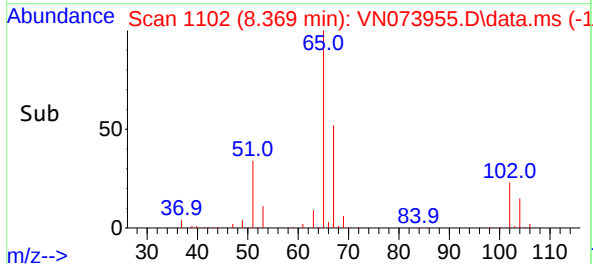
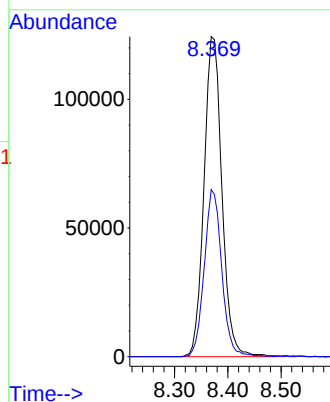
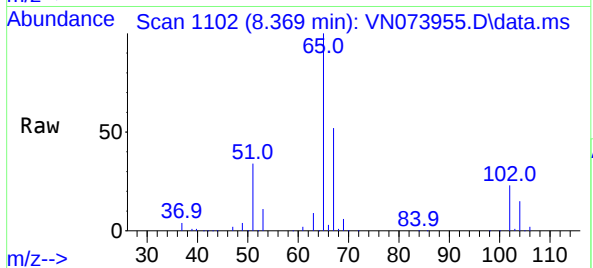




#33
1,2-Dichloroethane-d4
Concen: 50.523 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

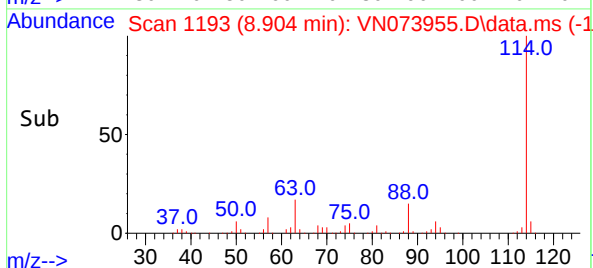
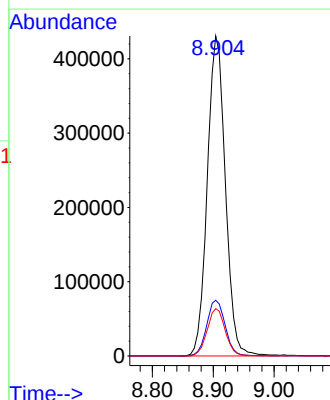
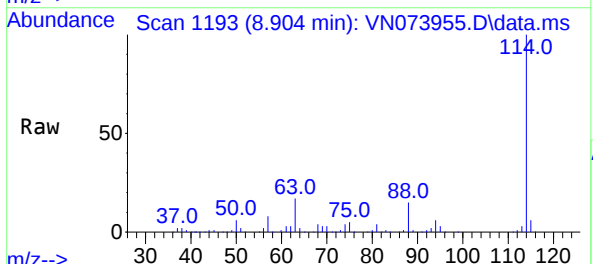
Instrument :
MSVOA_N
ClientSampleId :
PB146997B

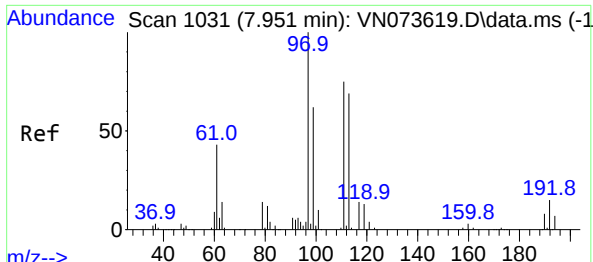
Tgt Ion: 65 Resp: 290509
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 114 Resp: 889666
Ion Ratio Lower Upper
114 100
63 17.4 0.0 40.0
88 14.8 0.0 32.6

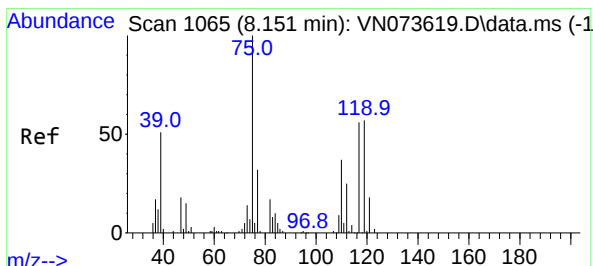
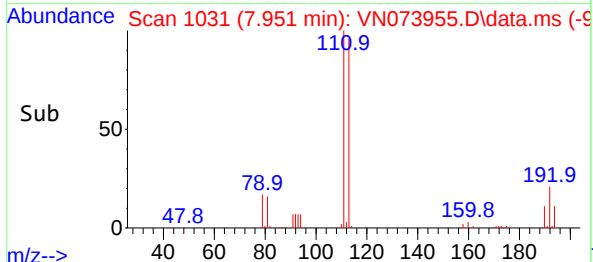
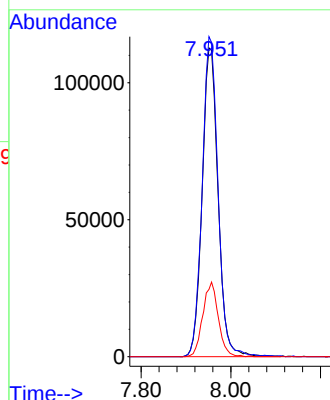
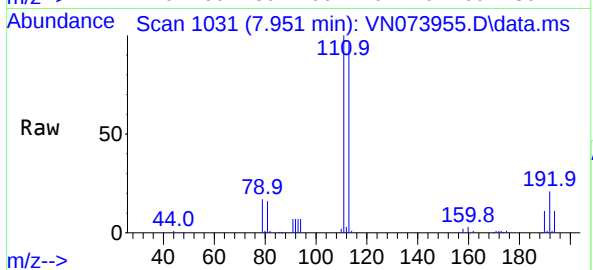




#35
Dibromofluoromethane
Concen: 52.750 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

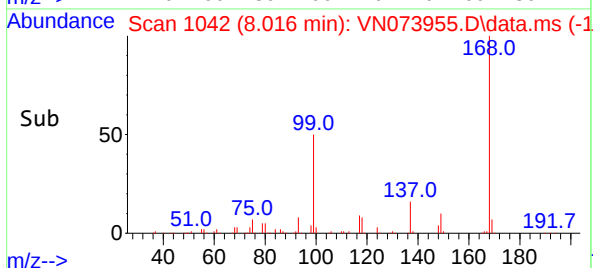
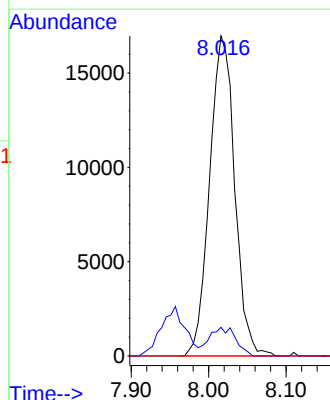
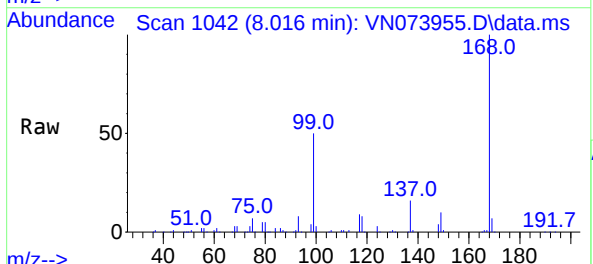
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

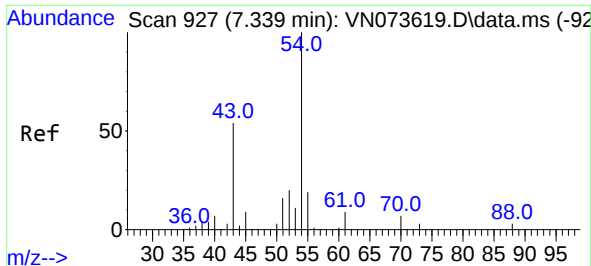
Tgt Ion:113 Resp: 277540
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 23.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.223 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 75 Resp: 38170
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#

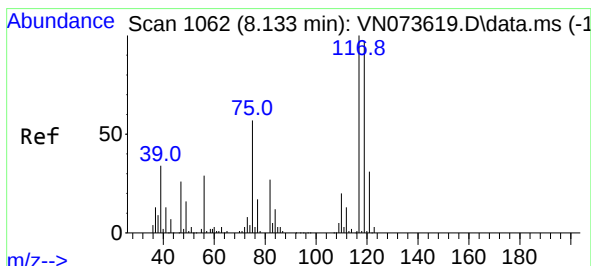
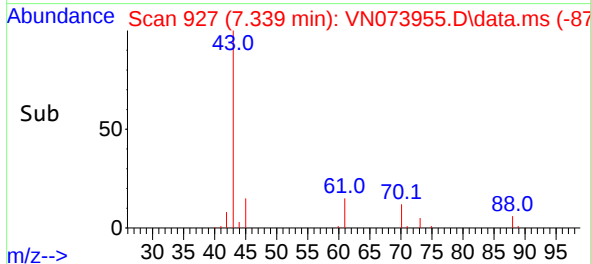
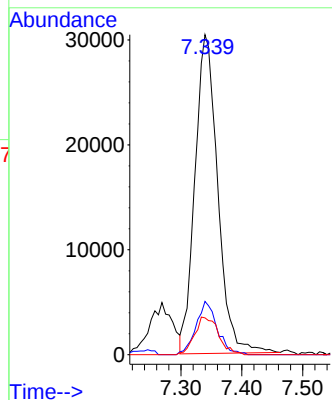
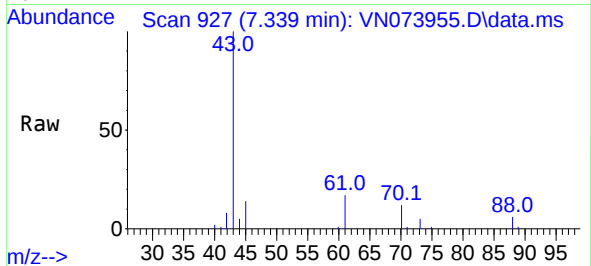




#37
Ethyl Acetate
Concen: 8.922 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

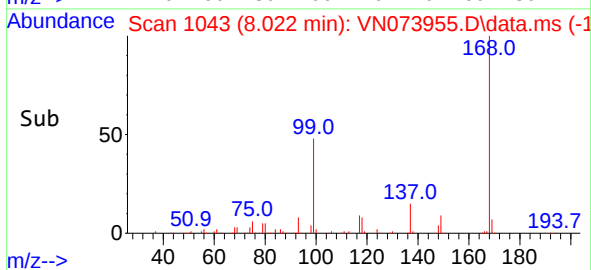
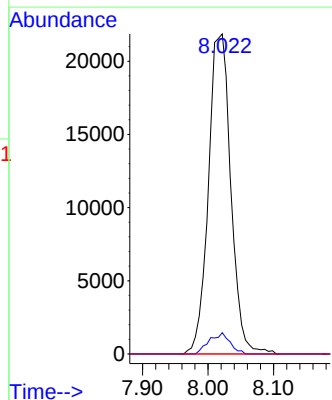
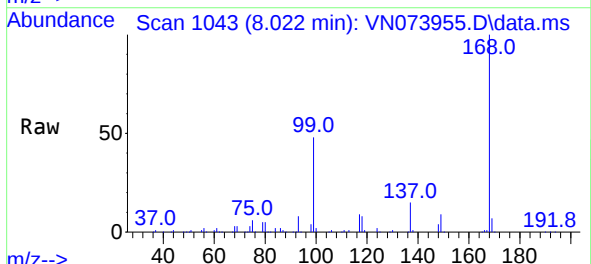
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

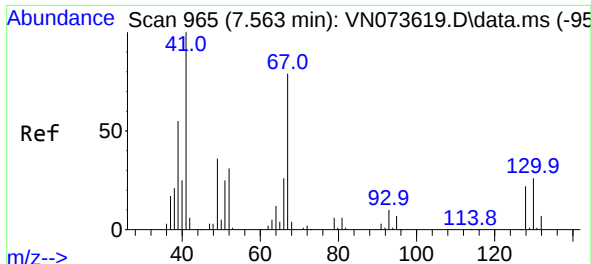
Tgt Ion:	43	Resp:	78987
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	12.4	9.3	13.9



#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion:	117	Resp:	51929
Ion	Ratio	Lower	Upper
117	100		
119	6.7	75.8	113.8#
121	0.0	24.6	37.0#

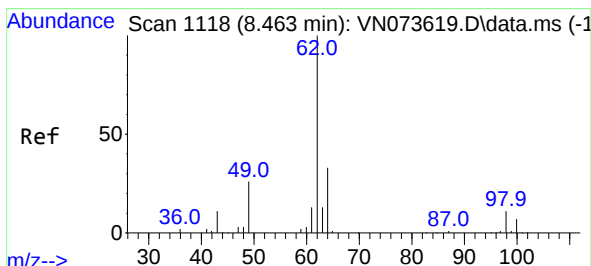
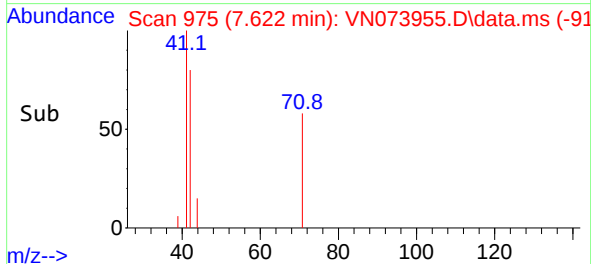
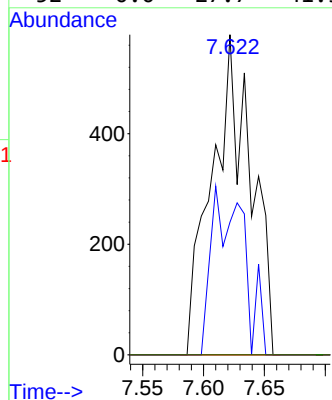
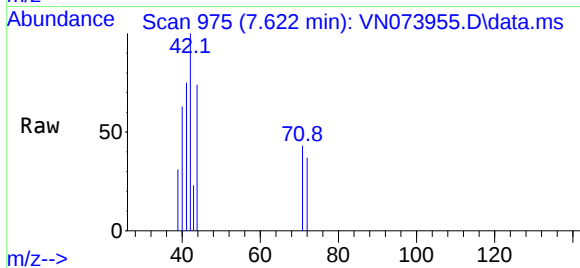




#41
Methacrylonitrile
Concen: 0.323 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

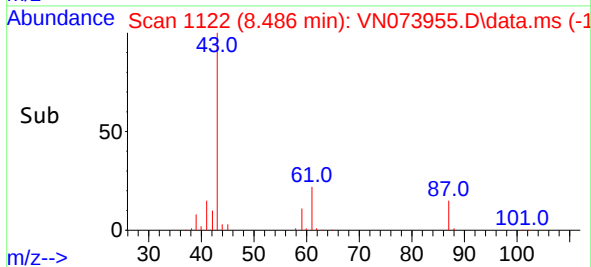
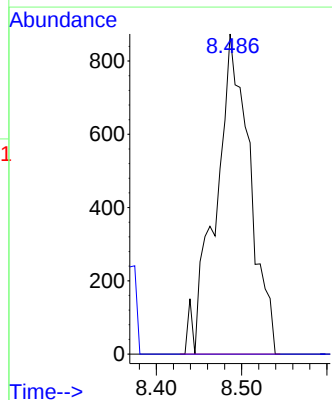
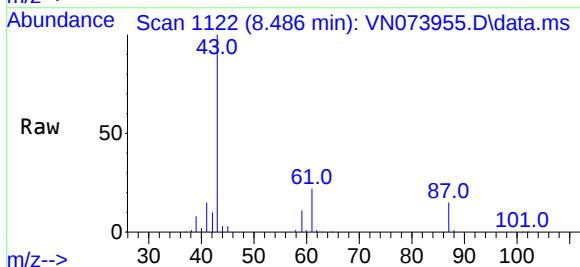
Instrument :
MSVOA_N
ClientSampleId :
PB146997B

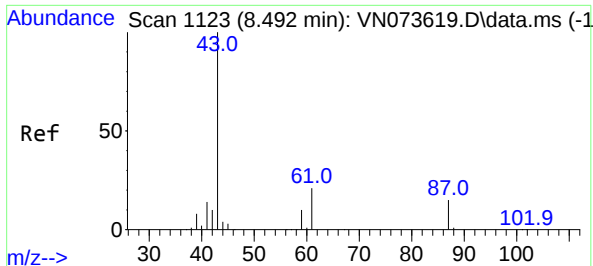
Tgt Ion: 41 Resp: 1292
Ion Ratio Lower Upper
41 100
39 17.9 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#42
1,2-Dichloroethane
Concen: 0.307 ug/l
RT: 8.486 min Scan# 1122
Delta R.T. 0.023 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 62 Resp: 2434
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4

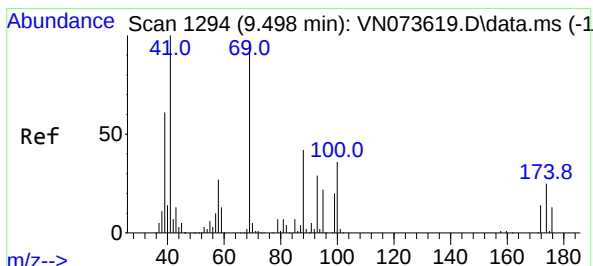
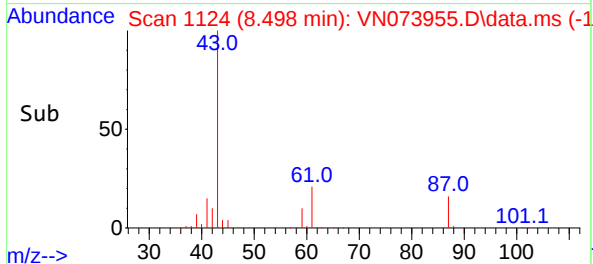
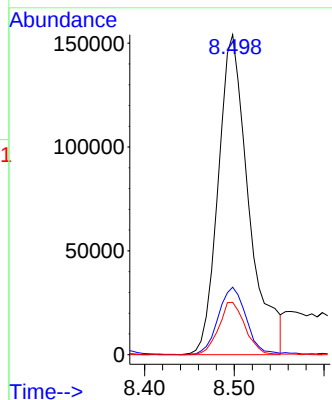
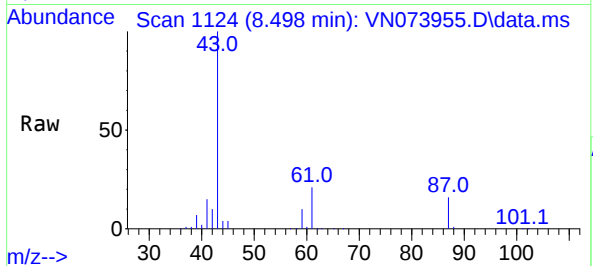




#43
Isopropyl Acetate
Concen: 28.864 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

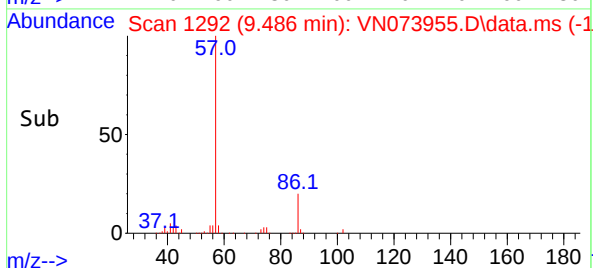
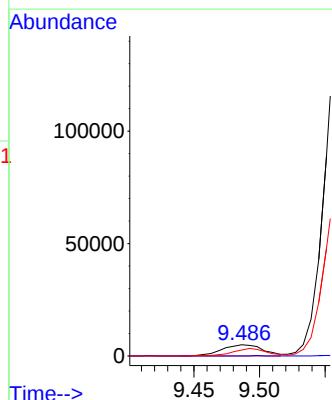
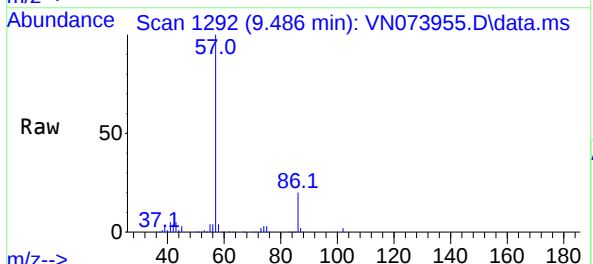
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

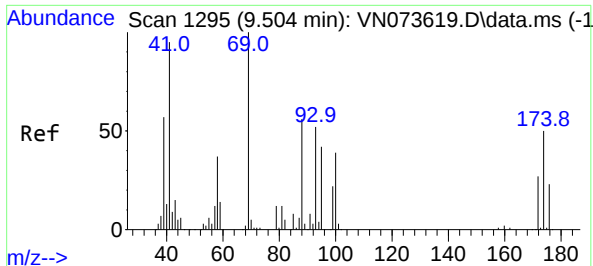
Tgt Ion: 43 Resp: 364045
Ion Ratio Lower Upper
43 100
61 19.6 21.9 32.9#
87 14.3 12.0 18.0



#48
Methyl methacrylate
Concen: 2.011 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 41 Resp: 10852
Ion Ratio Lower Upper
41 100
69 0.7 74.7 112.1#
39 55.6 45.6 68.4

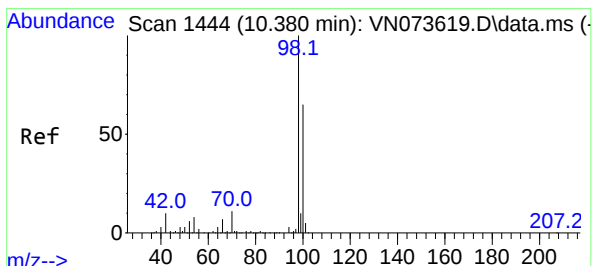
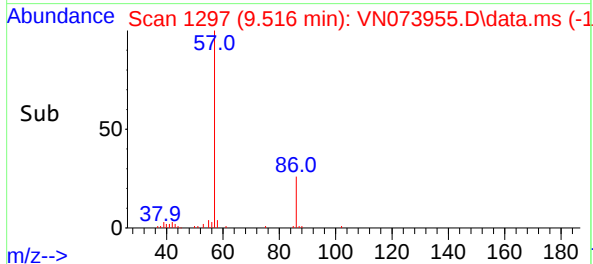
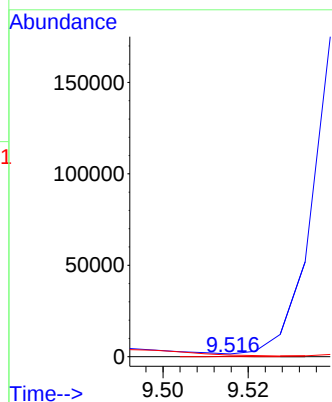
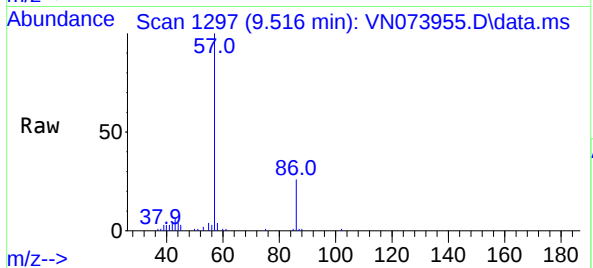




#49
1,4-Dioxane
Concen: 0.361 ug/l
RT: 9.516 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

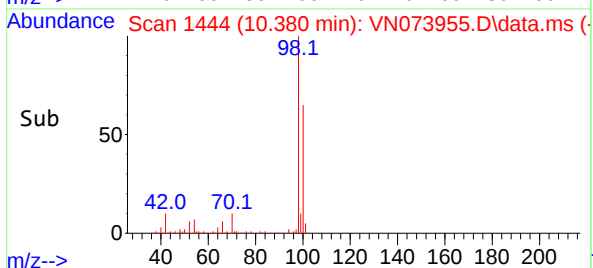
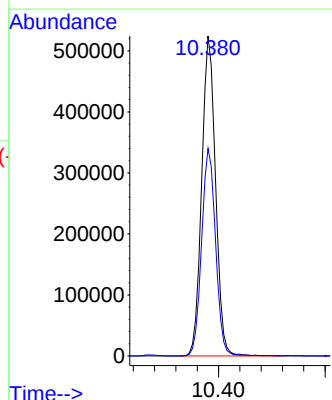
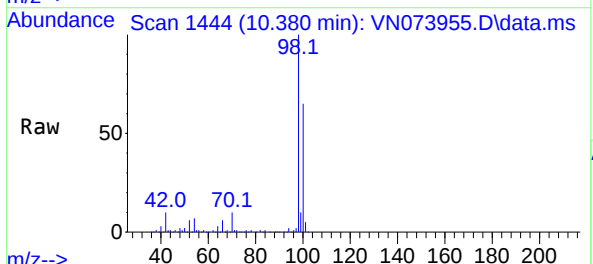
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

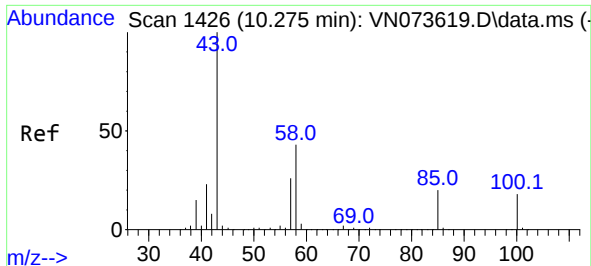
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 46.315 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 98 Resp: 943751
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

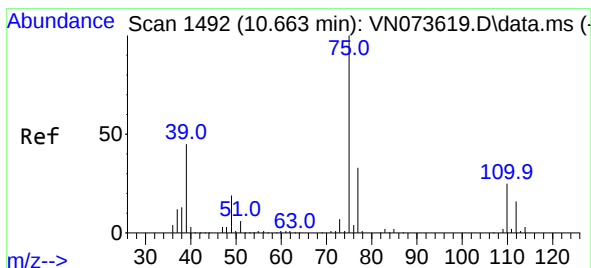
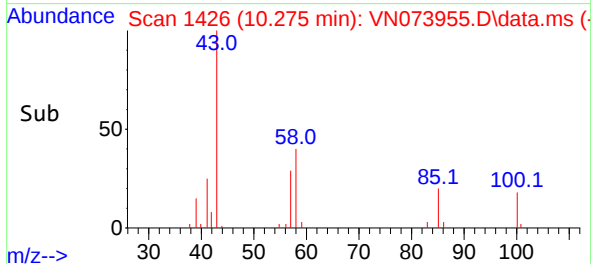
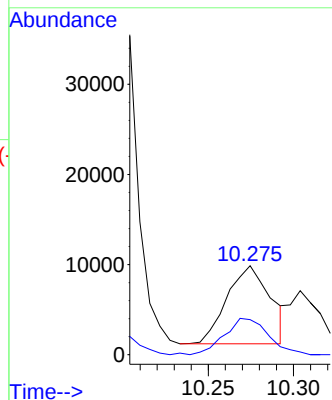
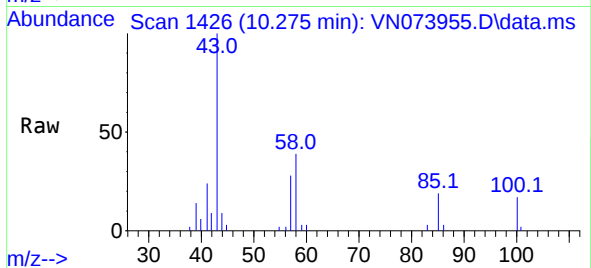




#51
4-Methyl-2-Pentanone
Concen: 1.794 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

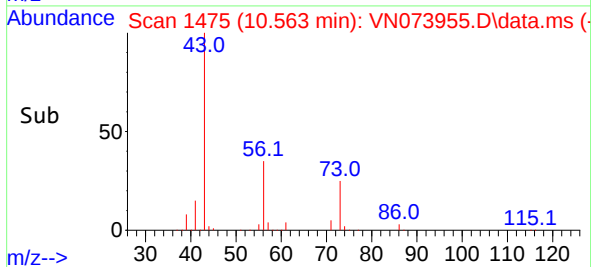
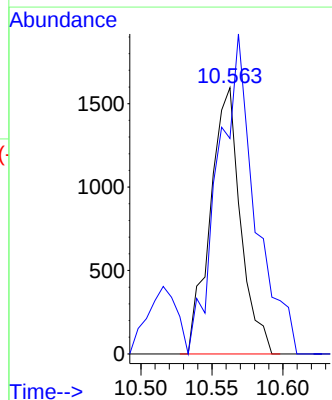
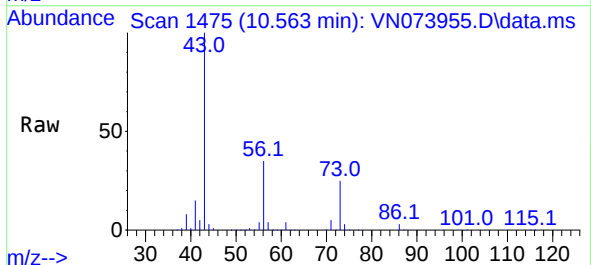
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

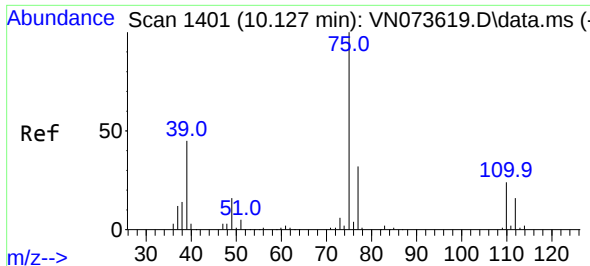
Tgt Ion: 43 Resp: 15298
Ion Ratio Lower Upper
43 100
58 47.5 34.1 51.1



#53
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 10.563 min Scan# 1475
Delta R.T. -0.100 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 75 Resp: 2370
Ion Ratio Lower Upper
75 100
77 67.0 25.6 38.4#

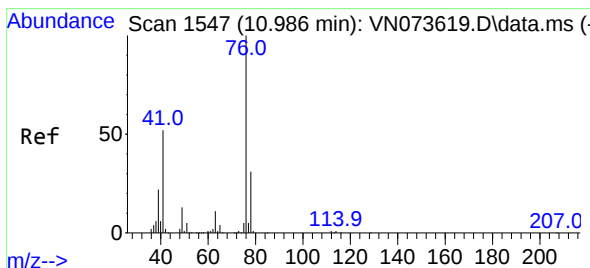
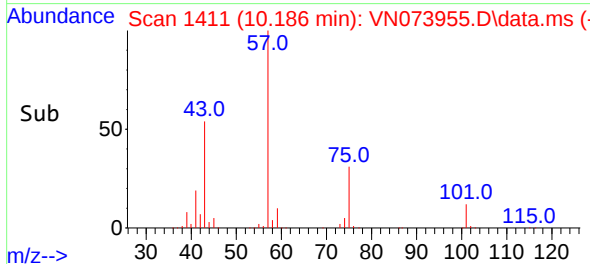
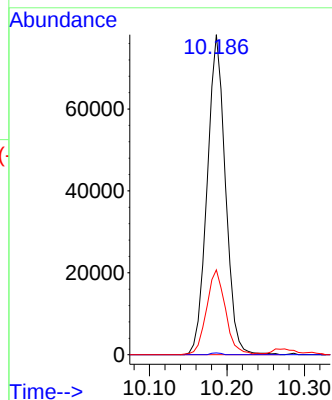
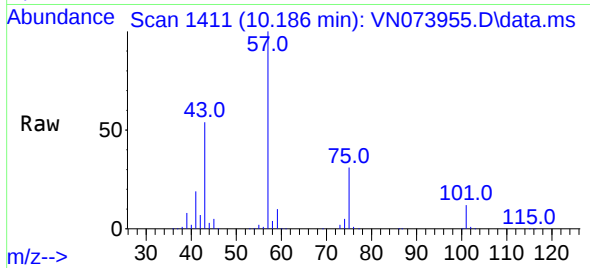




#54
 cis-1,3-Dichloropropene
 Concen: 13.882 ug/l
 RT: 10.186 min Scan# 14
 Delta R.T. 0.059 min
 Lab File: VN073955.D
 Acq: 16 Aug 2022 17:50

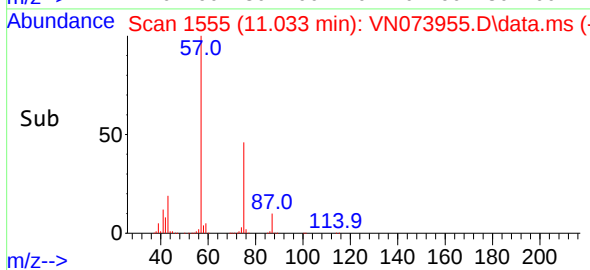
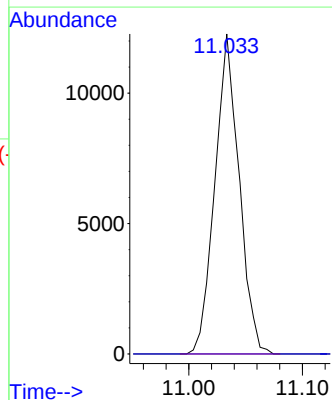
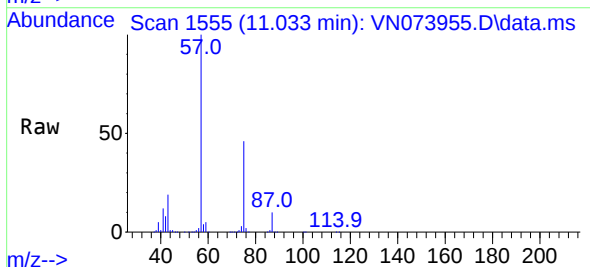
Instrument :
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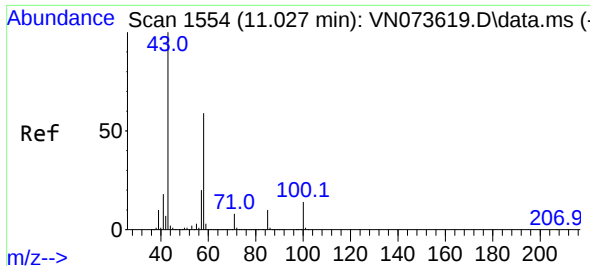
Tgt Ion: 75 Resp: 128037
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.2 37.8#
 39 26.5 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.819 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN073955.D
 Acq: 16 Aug 2022 17:50

Tgt Ion: 76 Resp: 18191
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

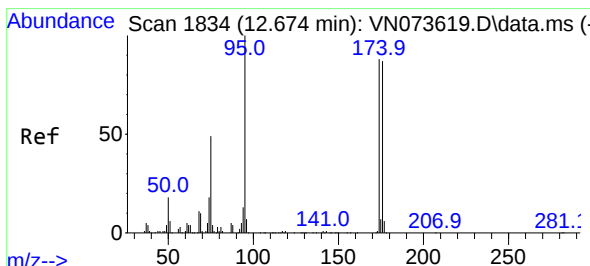
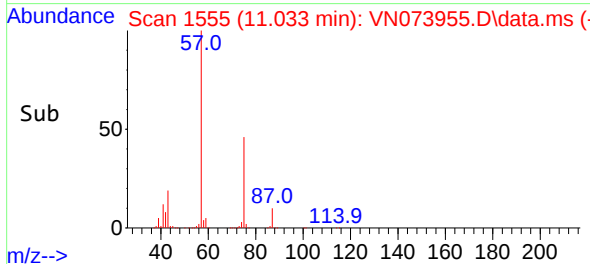
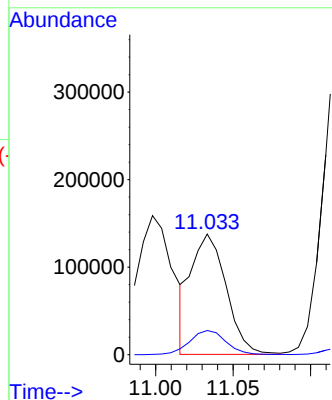
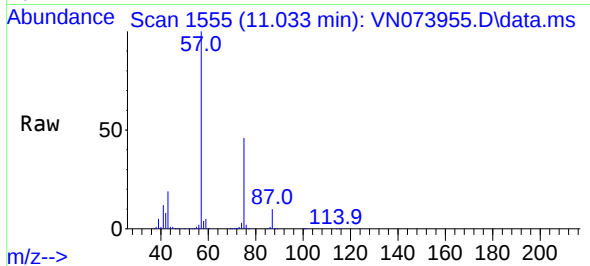




#59
2-Hexanone
Concen: 32.880 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

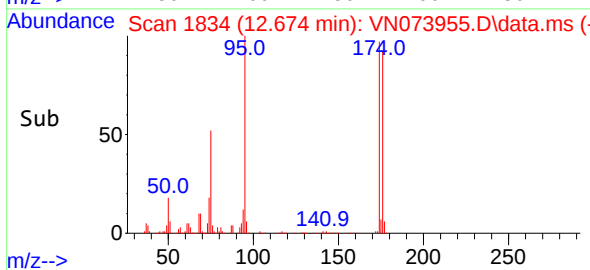
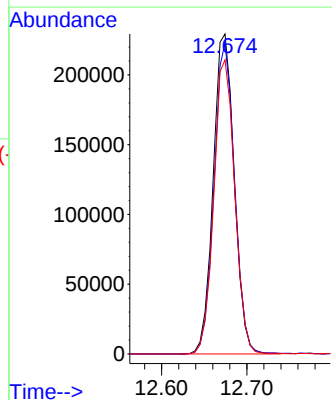
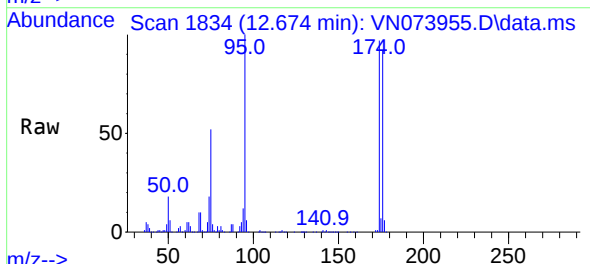
Instrument :
MSVOA_N
ClientSampleId :
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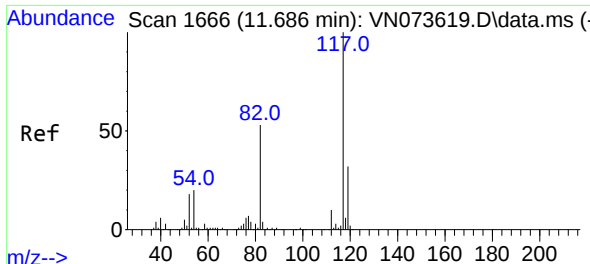
Tgt Ion: 43 Resp: 215784
Ion Ratio Lower Upper
43 100
58 21.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 58.056 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 95 Resp: 392619
Ion Ratio Lower Upper
95 100
174 95.3 0.0 167.6
176 91.4 0.0 163.4

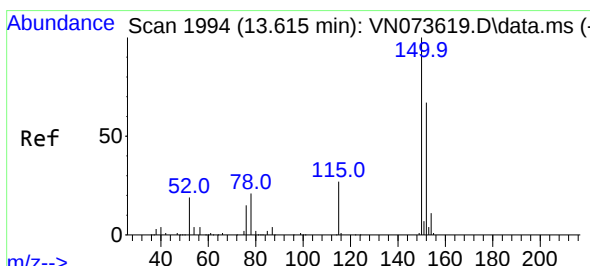
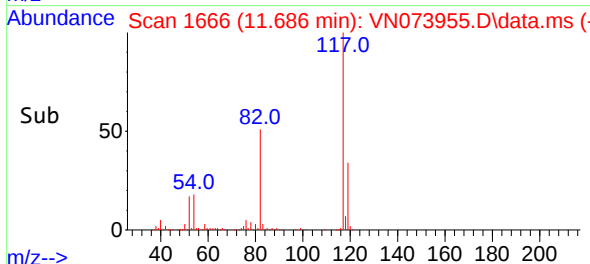
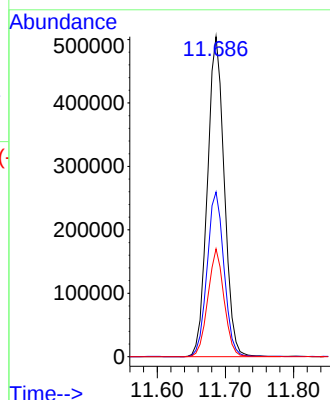
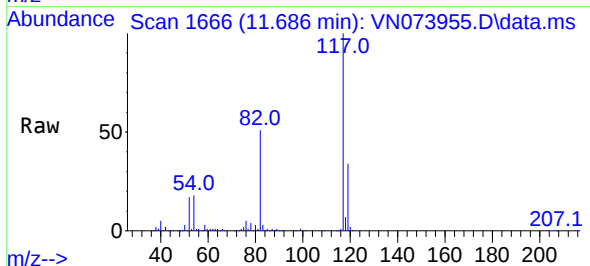




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

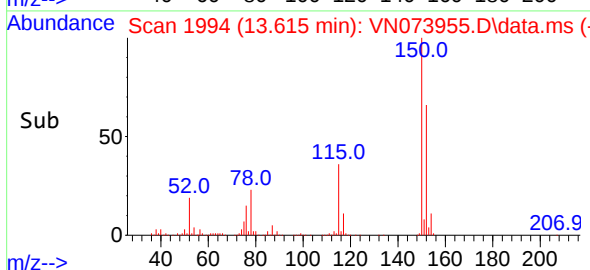
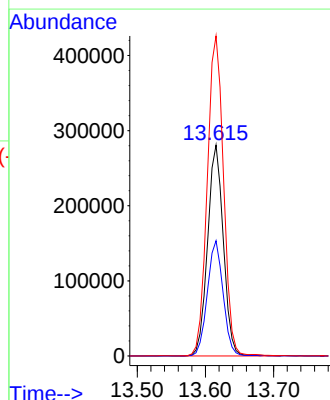
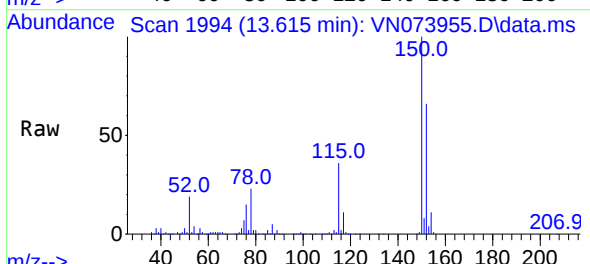
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

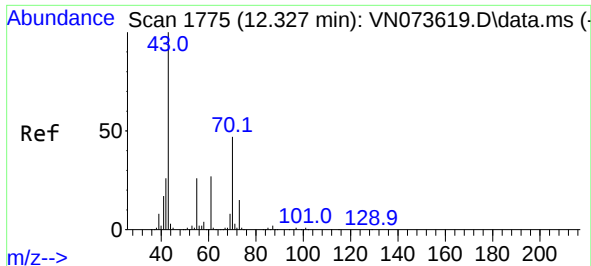
Tgt Ion:117 Resp: 867973
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.2
119 33.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion:152 Resp: 451302
Ion Ratio Lower Upper
152 100
115 54.8 28.9 86.7
150 156.9 0.0 356.2

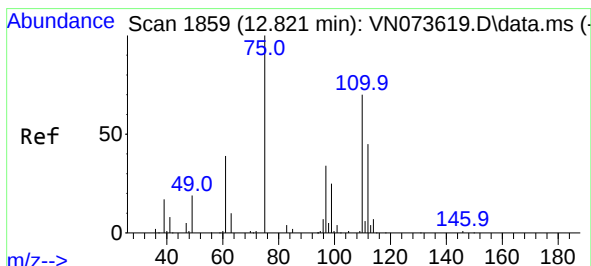
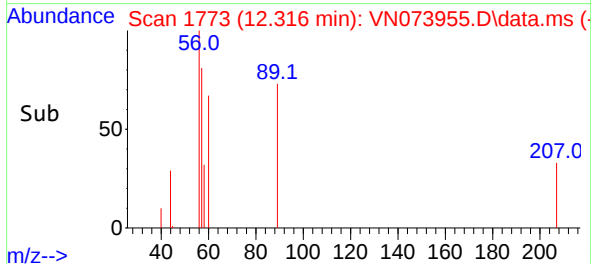
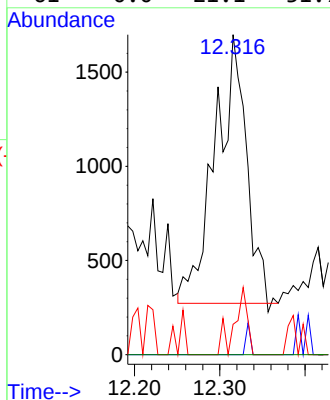
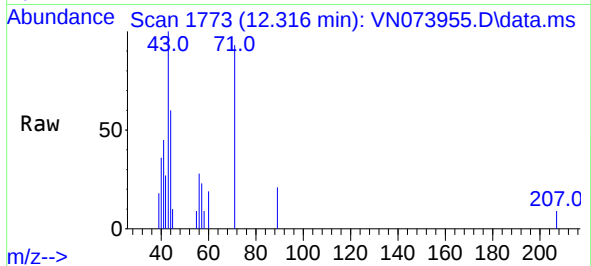




#74
N-amy1 acetate
Concen: 0.293 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

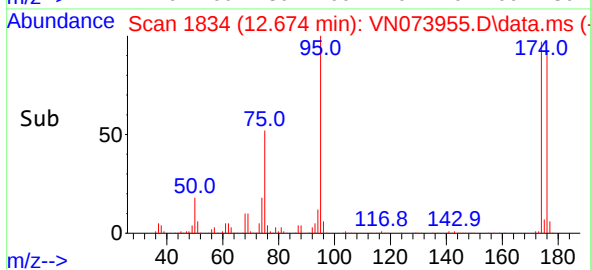
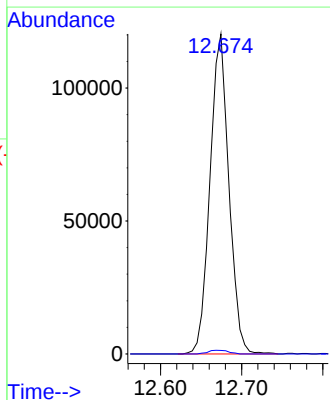
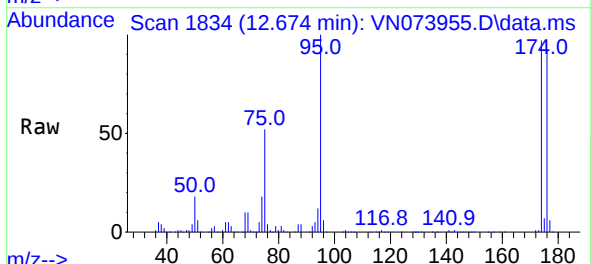
Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

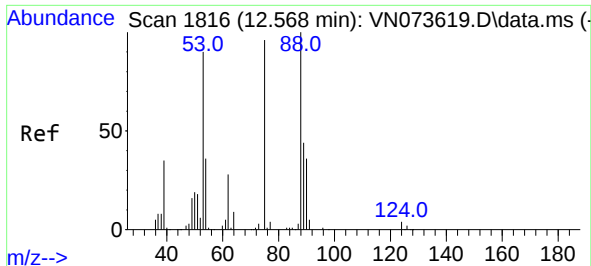
Tgt Ion: 43	Resp: 3637
Ion Ratio	Lower Upper
43 100	
70 1.6	39.0 58.4#
55 8.5	21.1 31.7#
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.755 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Tgt Ion: 75	Resp: 194687
Ion Ratio	Lower Upper
75 100	
77 1.2	98.5 295.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 59.031 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073955.D
Acq: 16 Aug 2022 17:50

Instrument :
MSVOA_N
ClientSampleId :
PB146997TB

Tgt Ion: 75 Resp: 194687
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

