

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073846.D
 Acq On : 12 Aug 2022 12:56
 Operator : JC\MD
 Sample : PB146944TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944TB

Quant Time: Aug 13 05:02:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

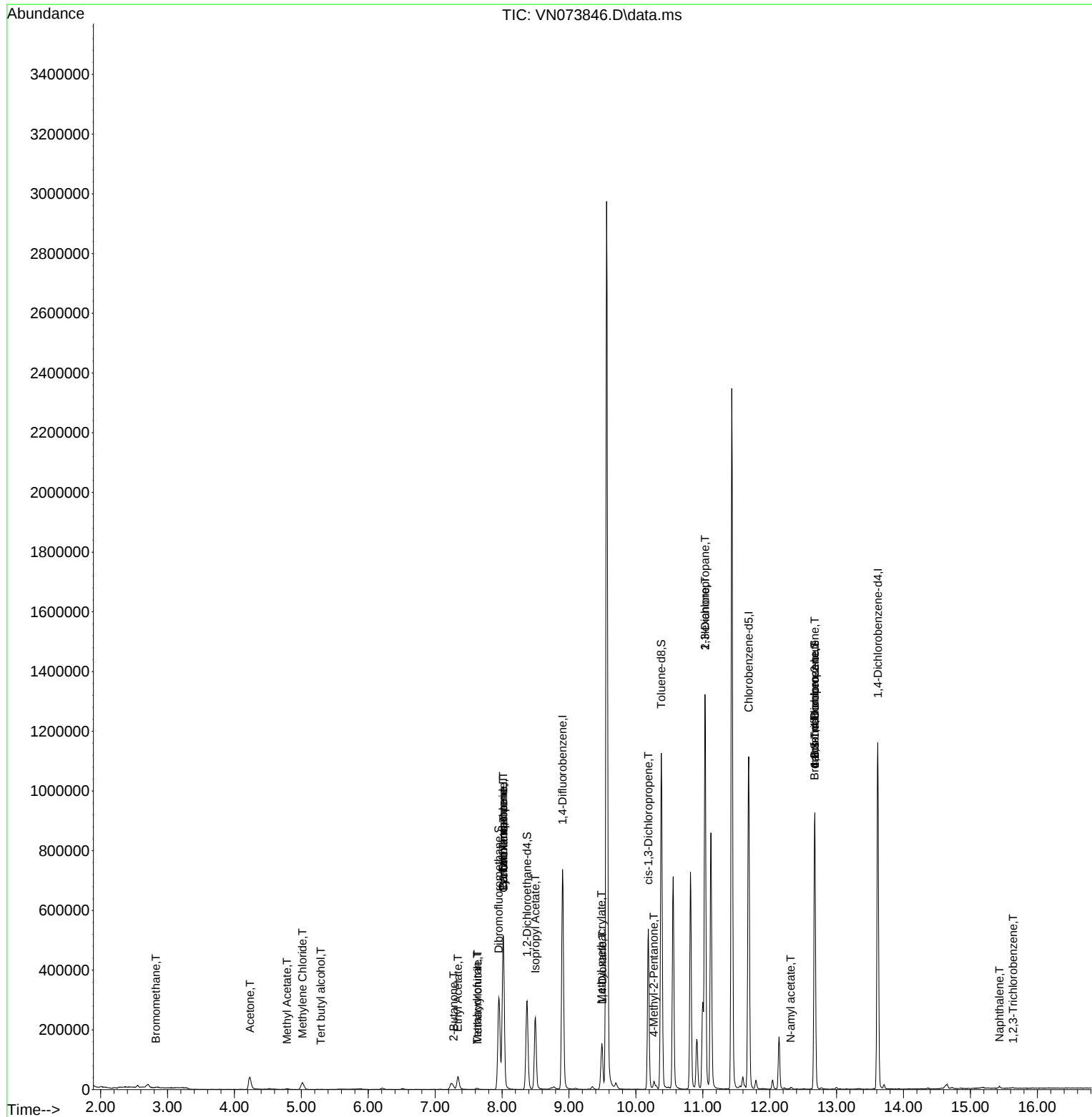
Internal Standards						
1) Pentafluorobenzene	8.016	168	428884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	680049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	683795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	336774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	246711	47.203	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	7.951	113	230706	54.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.380	98	792976	47.190	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.380%			
62) 4-Bromofluorobenzene	12.674	95	303751	51.410	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.820%			
Target Compounds						Qvalue
3) Chloromethane	2.269	50	924	Below Cal		100
5) Bromomethane	2.828	94	2122	0.503 ug/l #		77
6) Chloroethane	2.981	64	59	Below Cal #		42
11) Tert butyl alcohol	5.292	59	807	0.716 ug/l #		72
16) Acetone	4.234	43	78381	27.921 ug/l		97
18) Methyl Acetate	4.787	43	4854	0.695 ug/l #		73
20) Methylene Chloride	5.016	84	19395	2.162 ug/l #		89
25) 2-Butanone	7.275	43	15953	3.659 ug/l		91
29) Tetrahydrofuran	7.628	42	3175	1.152 ug/l #		90
31) Cyclohexane	8.022	56	7954	1.022 ug/l #		3
36) 1,1-Dichloropropene	8.016	75	29742	4.887 ug/l #		49
37) Ethyl Acetate	7.339	43	64051	7.991 ug/l		98
38) Carbon Tetrachloride	8.016	117	38591	6.243 ug/l #		16
41) Methacrylonitrile	7.633	41	1744	0.481 ug/l #		28
43) Isopropyl Acetate	8.498	43	265566	24.530 ug/l #		93
48) Methyl methacrylate	9.486	41	9326	1.968 ug/l #		37
49) 1,4-Dioxane	9.498	88	54	0.404 ug/l #		1
51) 4-Methyl-2-Pentanone	10.269	43	23593	3.038 ug/l #		79
54) cis-1,3-Dichloropropene	10.186	75	98691	13.472 ug/l #		65
57) 1,3-Dichloropropane	11.033	76	13781	1.614 ug/l #		42
59) 2-Hexanone	11.033	43	180842	30.740 ug/l #		49
71) Bromoform	12.668	173	1748	0.407 ug/l #		28
74) N-amyl acetate	12.316	43	4212	0.452 ug/l #		55
76) 1,2,3-Trichloropropane	12.674	75	155375	23.474 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	155375	59.789 ug/l #		10
95) Naphthalene	15.433	128	6733	0.352 ug/l #		94
96) 1,2,3-Trichlorobenzene	15.639	180	1387	0.223 ug/l #		85

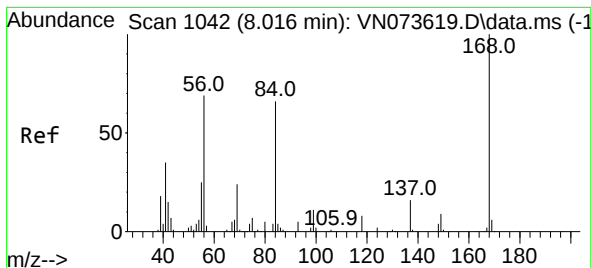
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 10 05:09:32 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

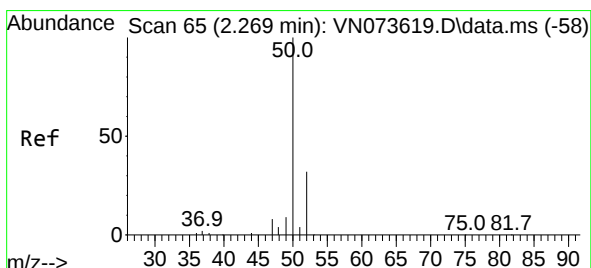
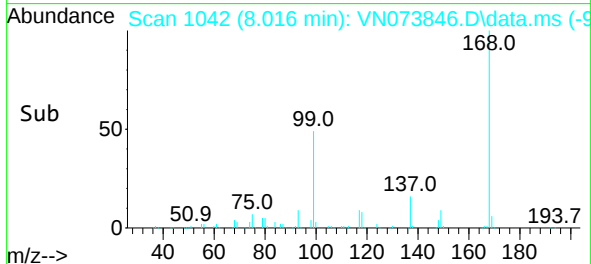
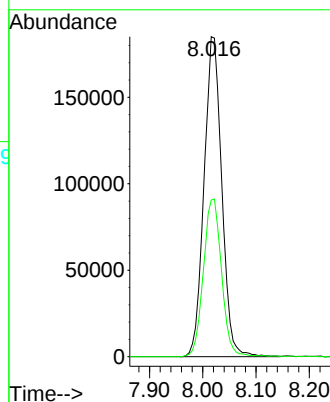
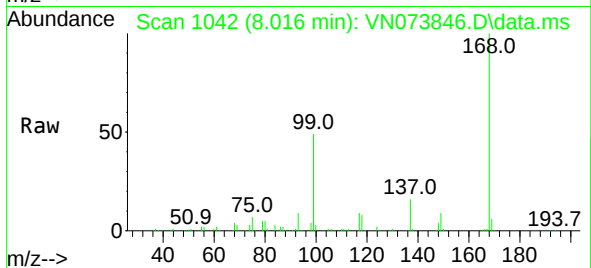
PB146944TB

Tgt Ion:168 Resp: 428884

Ion Ratio Lower Upper

168 100

99 48.9 42.3 63.5



#3

Chloromethane

Concen: Below Cal

RT: 2.269 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN073846.D

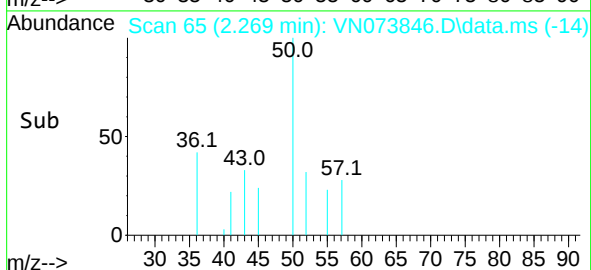
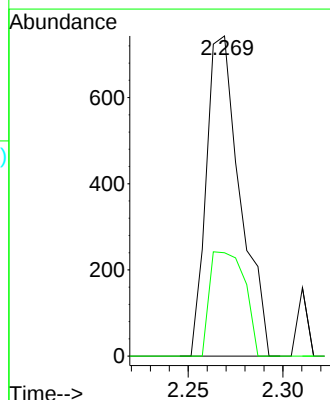
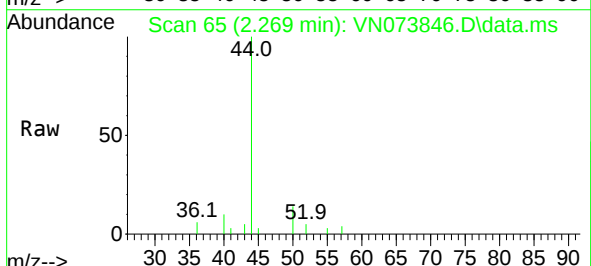
Acq: 12 Aug 2022 12:56

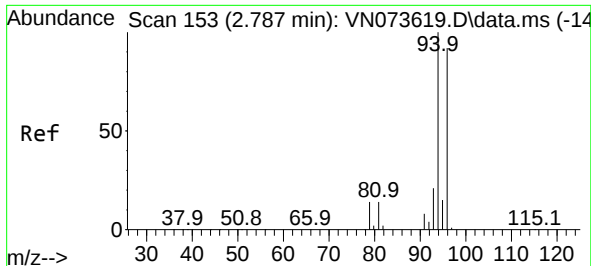
Tgt Ion: 50 Resp: 924

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5

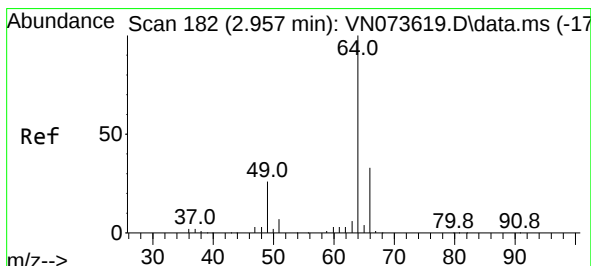
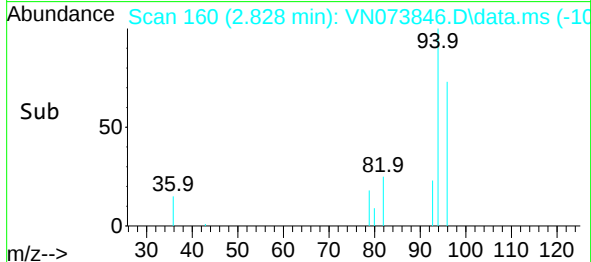
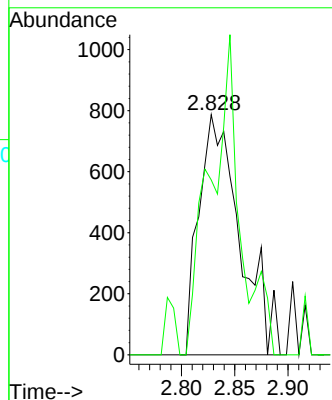
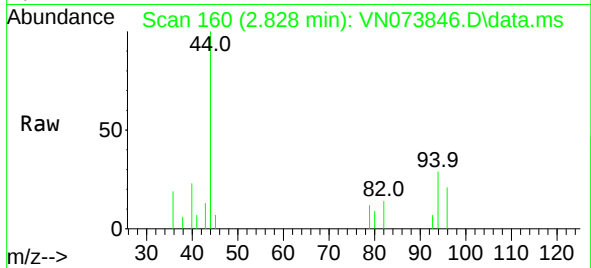




#5
Bromomethane
Concen: 0.503 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

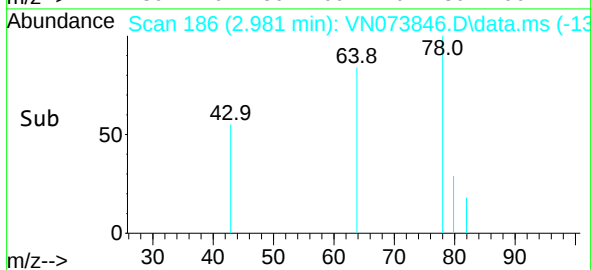
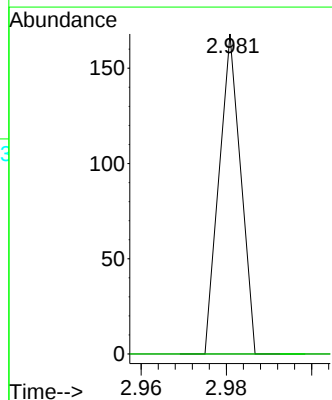
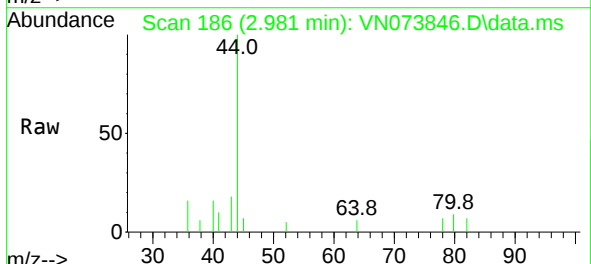
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

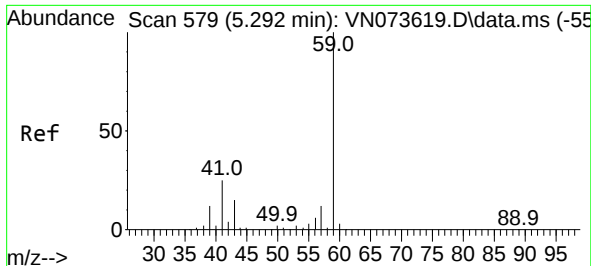
Tgt Ion: 94 Resp: 2122
Ion Ratio Lower Upper
94 100
96 72.8 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 186
Delta R.T. 0.024 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

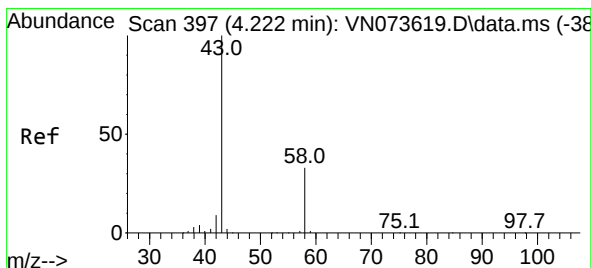
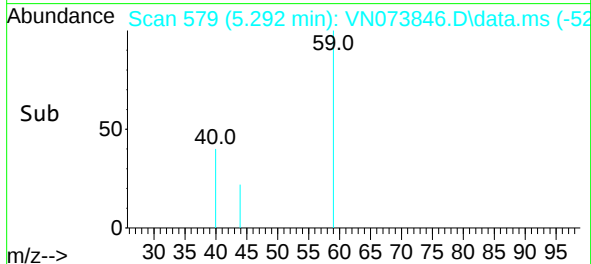
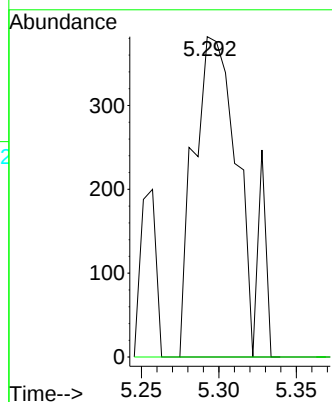
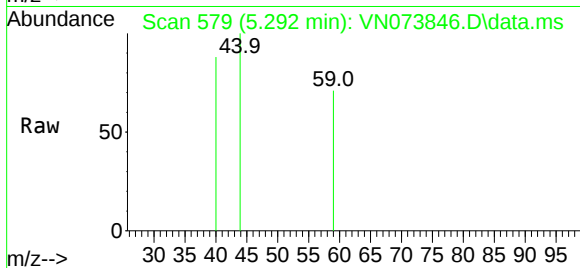




#11
Tert butyl alcohol
Concen: 0.716 ug/l
RT: 5.292 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

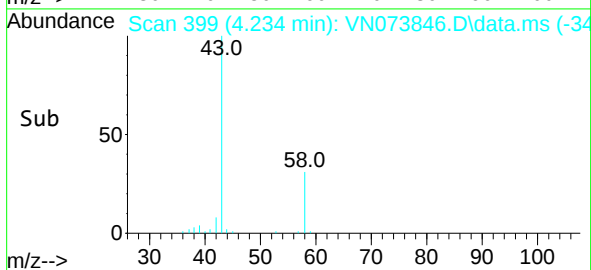
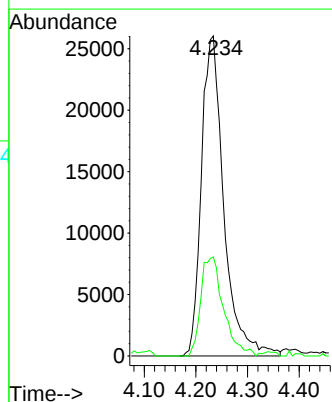
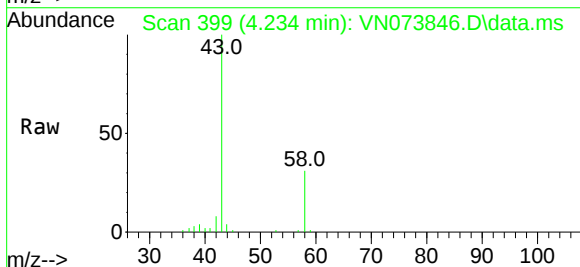
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

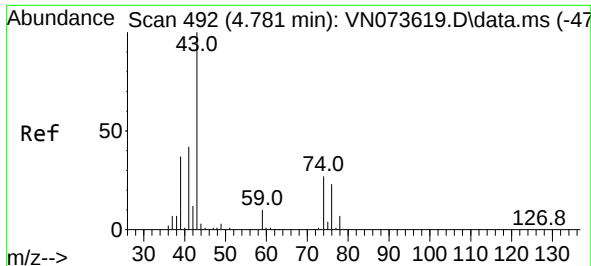
Tgt Ion: 59 Resp: 807
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 27.921 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 43 Resp: 78381
Ion Ratio Lower Upper
43 100
58 31.0 26.0 39.0

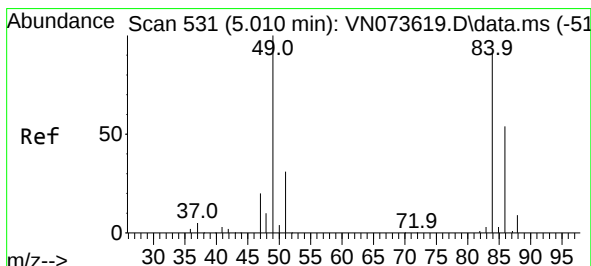
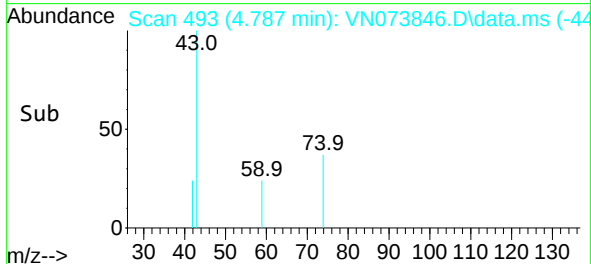
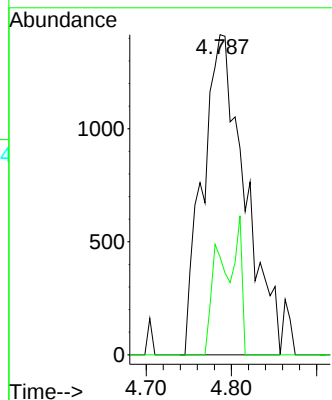
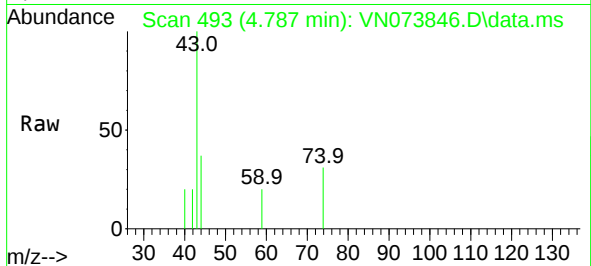




#18
Methyl Acetate
Concen: 0.695 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

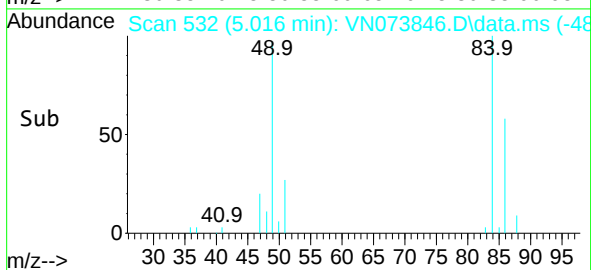
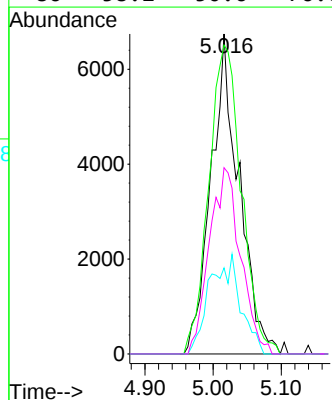
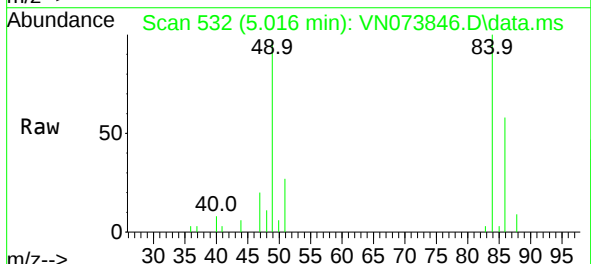
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

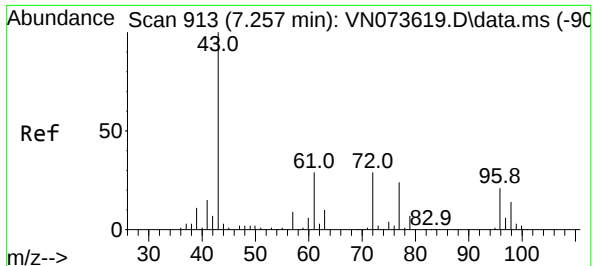
Tgt Ion: 43 Resp: 4854
Ion Ratio Lower Upper
43 100
74 13.2 21.6 32.4#



#20
Methylene Chloride
Concen: 2.162 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 84 Resp: 19395
Ion Ratio Lower Upper
84 100
49 96.5 88.3 132.5
51 26.9 28.2 42.2#
86 58.2 50.6 76.0





#25

2-Butanone

Concen: 3.659 ug/l

RT: 7.275 min Scan# 913

Delta R.T. 0.018 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

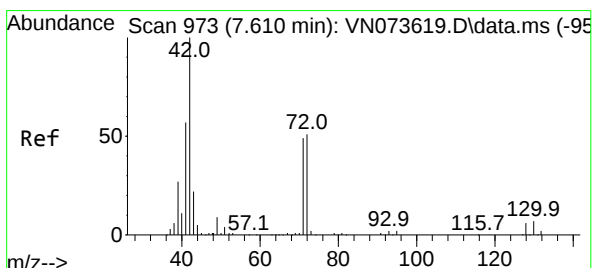
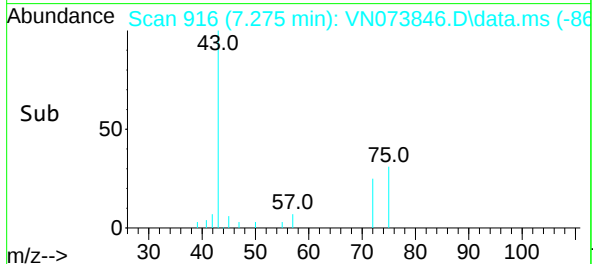
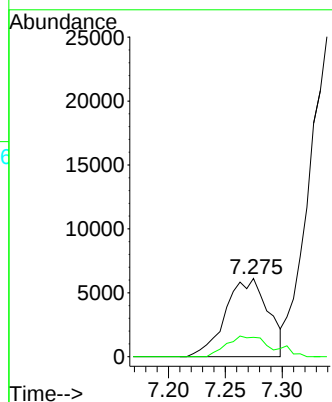
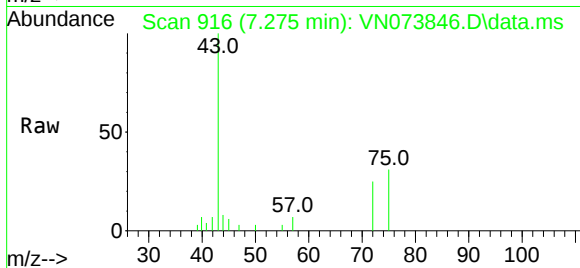
PB146944TB

Tgt Ion: 43 Resp: 15953

Ion Ratio Lower Upper

43 100

72 24.9 23.7 35.5



#29

Tetrahydrofuran

Concen: 1.152 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

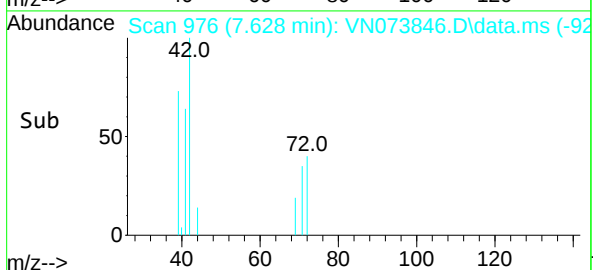
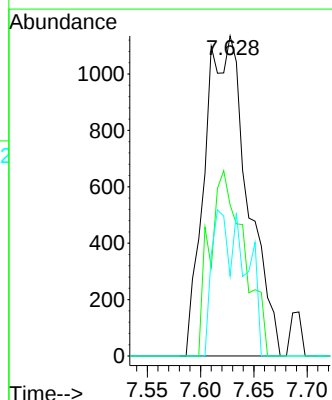
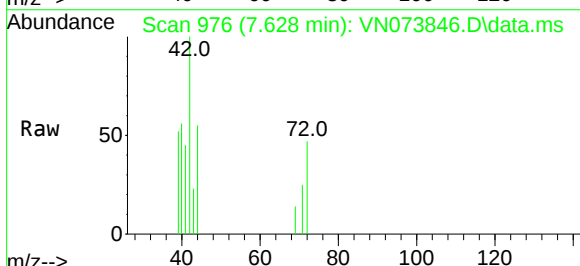
Tgt Ion: 42 Resp: 3175

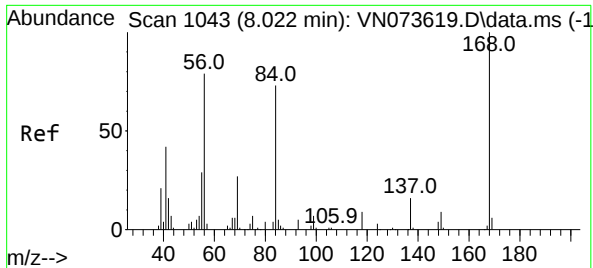
Ion Ratio Lower Upper

42 100

72 46.5 39.7 59.5

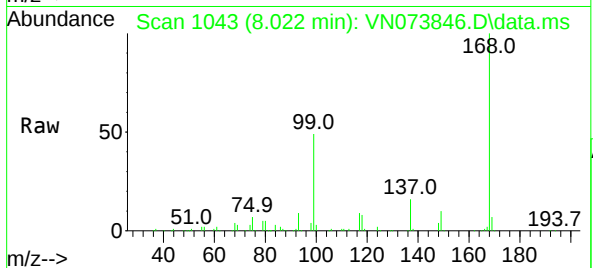
71 35.0 36.6 55.0#



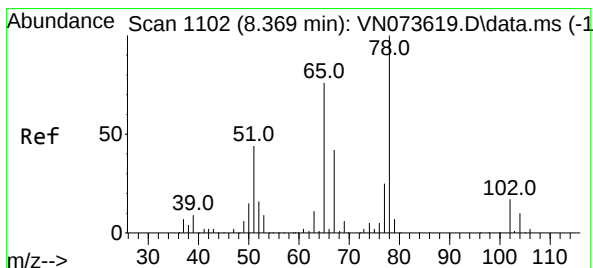
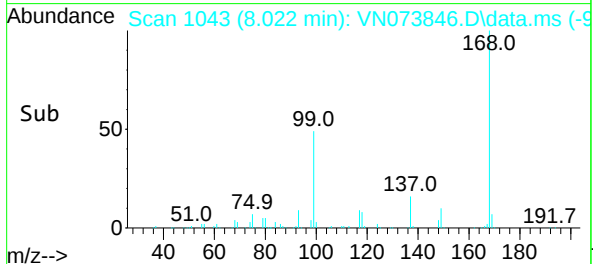
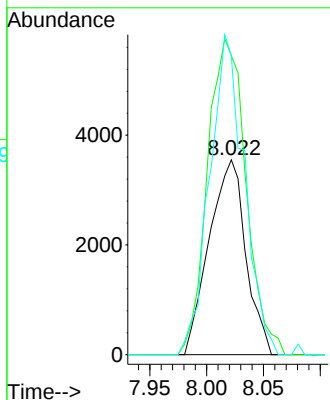


#31
Cyclohexane
Concen: 1.022 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

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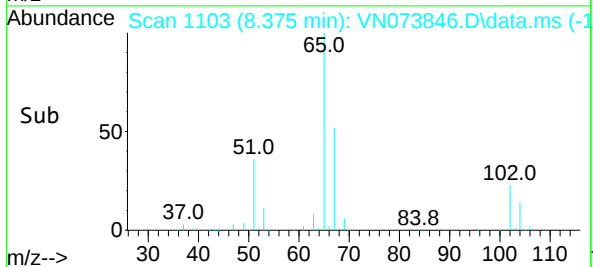
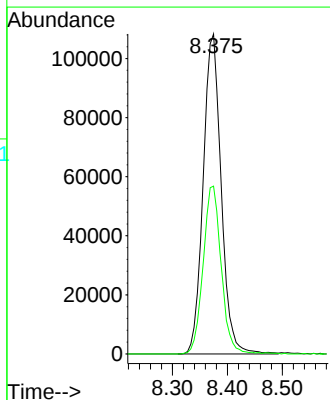
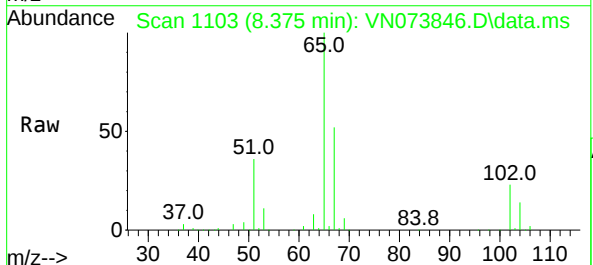


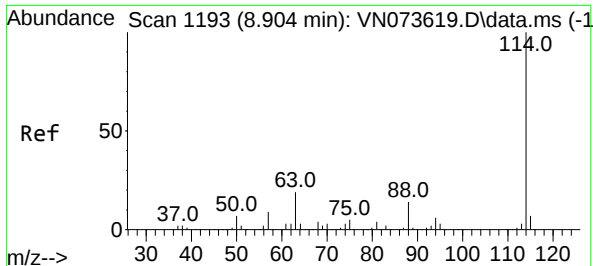
Tgt Ion: 56 Resp: 7954
Ion Ratio Lower Upper
56 100
69 153.5 27.8 41.8#
84 153.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.203 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 65 Resp: 246711
Ion Ratio Lower Upper
65 100
67 52.5 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: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB146944TB

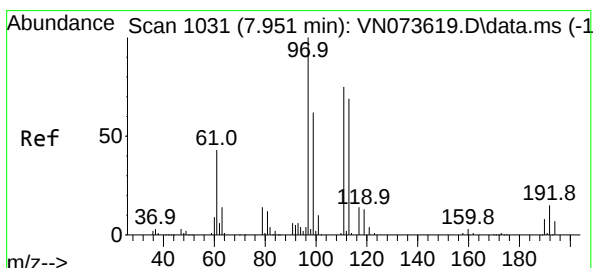
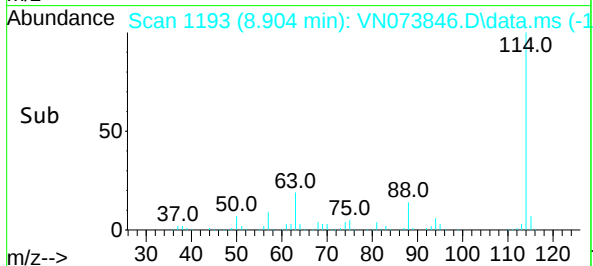
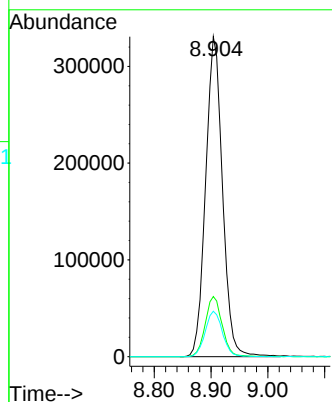
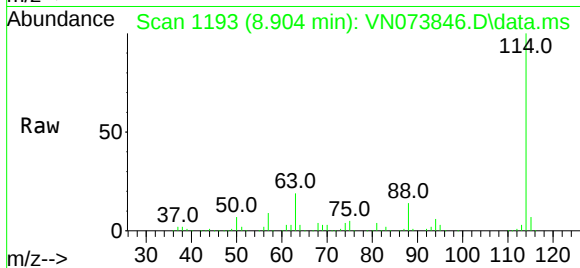
Tgt Ion:114 Resp: 680049

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 14.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.026 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

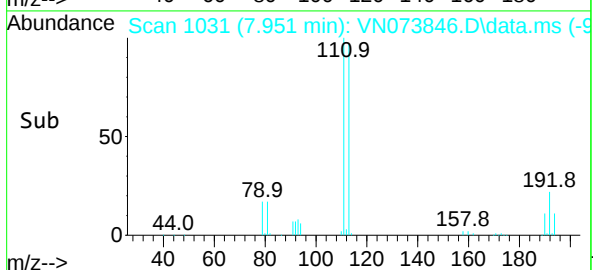
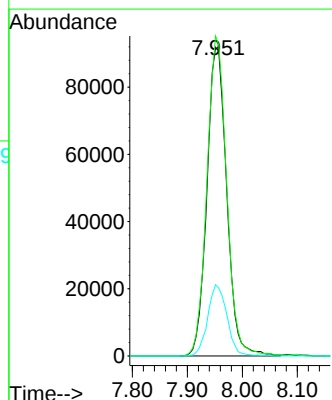
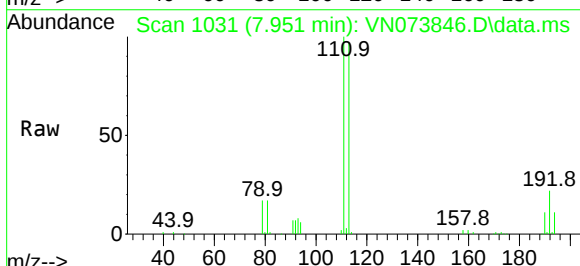
Tgt Ion:113 Resp: 230706

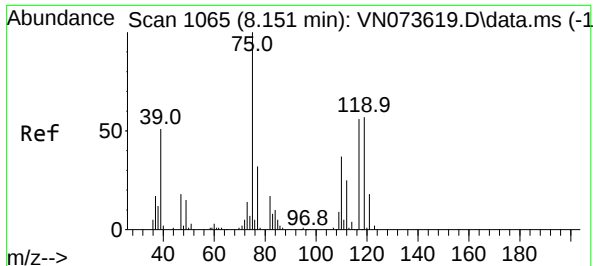
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 22.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.887 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB146944TB

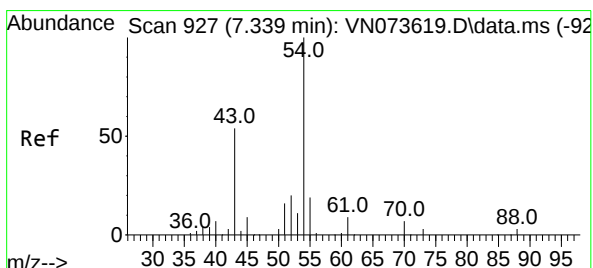
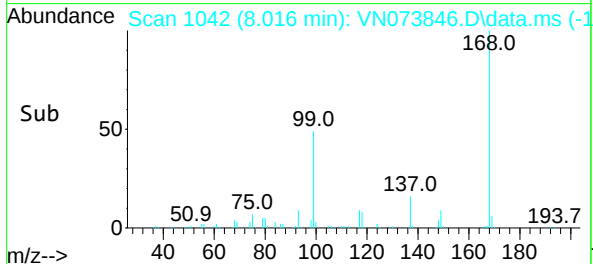
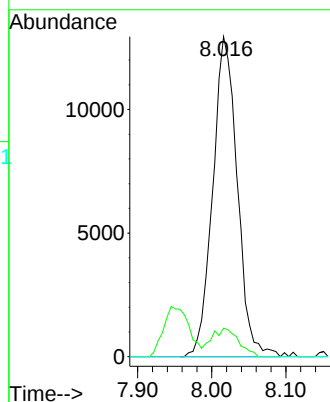
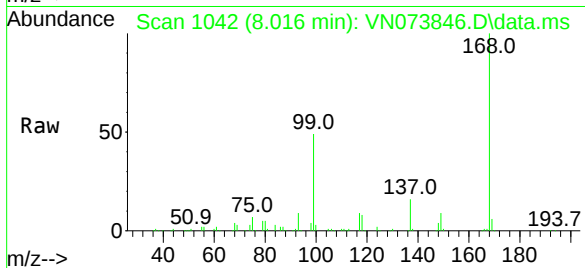
Tgt Ion: 75 Resp: 29742

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.991 ug/l

RT: 7.339 min Scan# 927

Delta R.T. -0.000 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

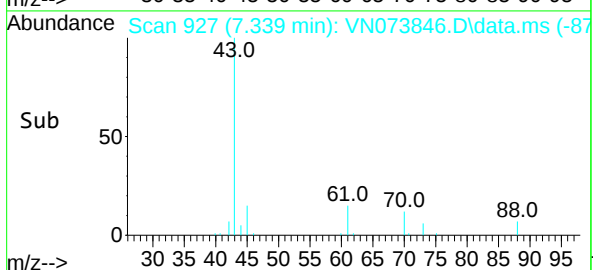
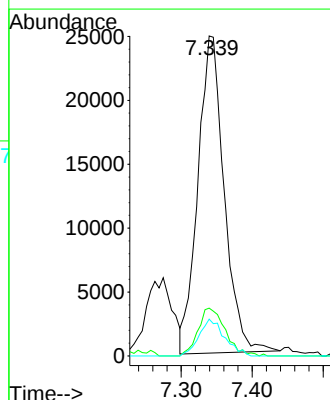
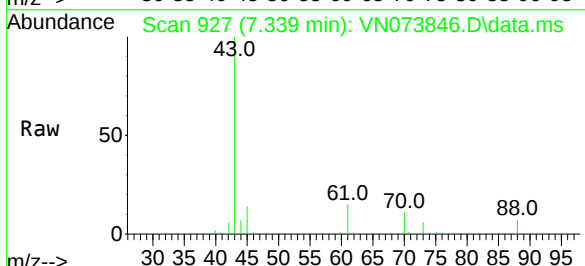
Tgt Ion: 43 Resp: 64051

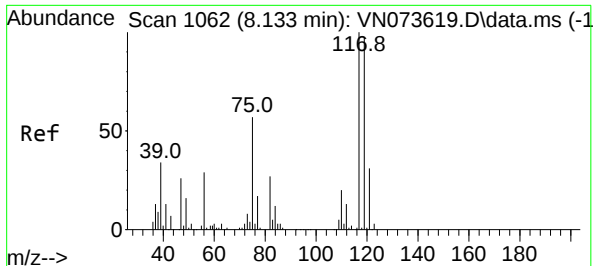
Ion Ratio Lower Upper

43 100

61 15.6 11.8 17.6

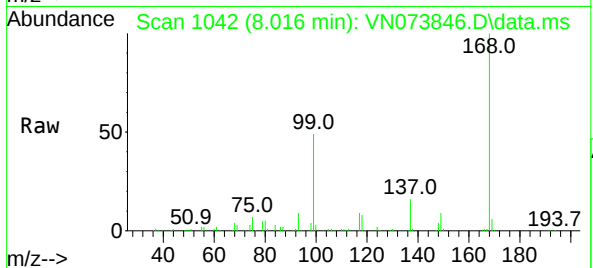
70 11.3 9.3 13.9



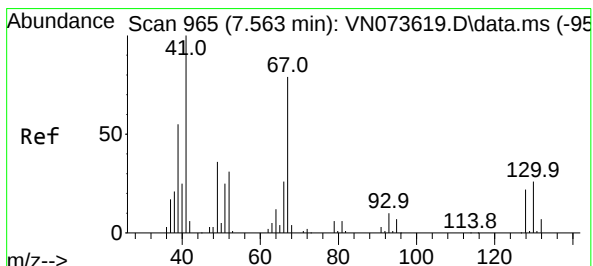
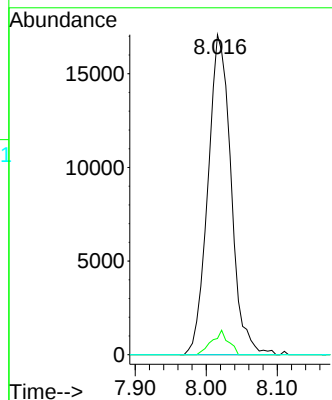
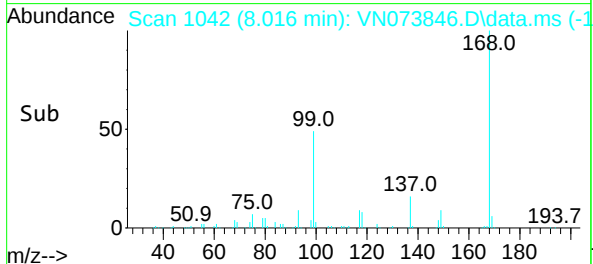


#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

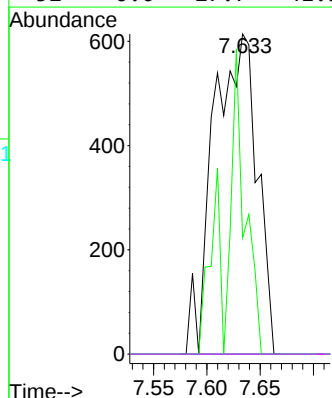
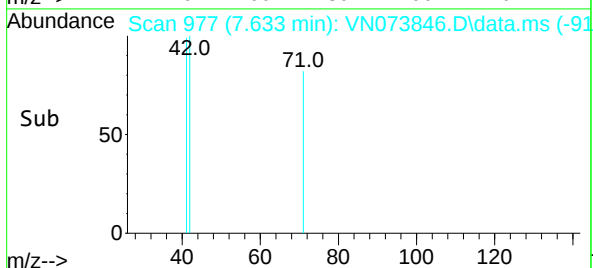
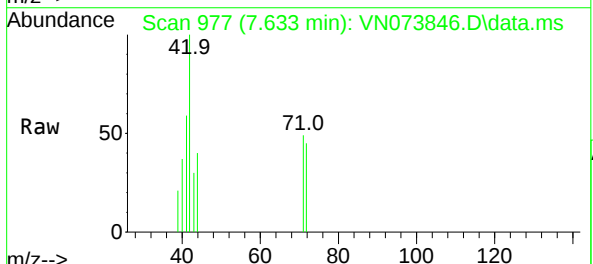


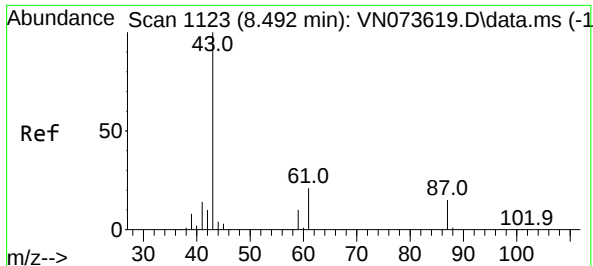
Tgt Ion:117 Resp: 38591
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.481 ug/l
RT: 7.633 min Scan# 977
Delta R.T. 0.071 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 41 Resp: 1744
Ion Ratio Lower Upper
41 100
39 29.8 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#43

Isopropyl Acetate

Concen: 24.530 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB146944TB

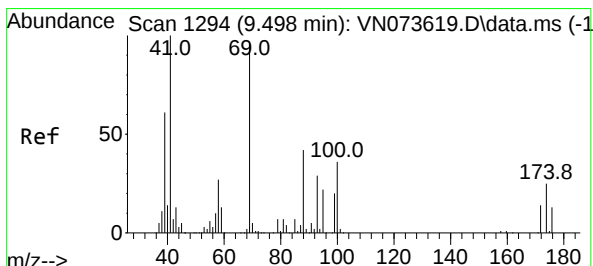
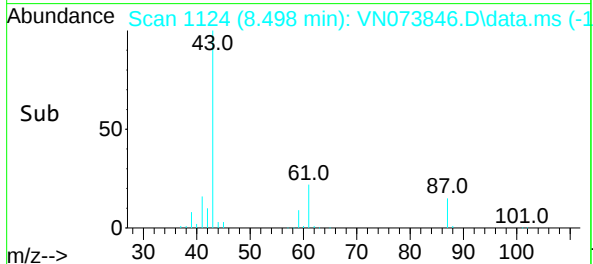
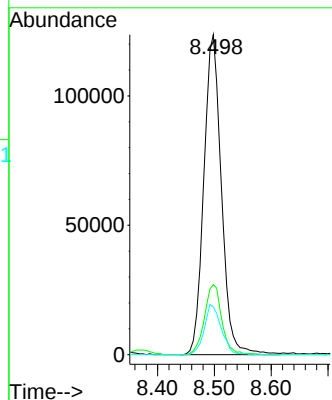
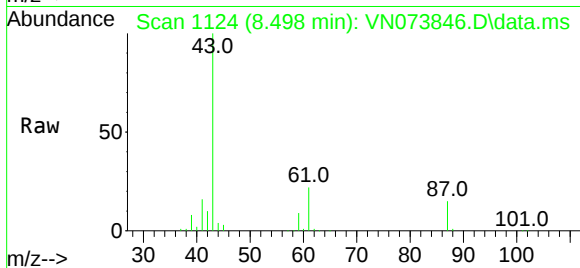
Tgt Ion: 43 Resp: 265566

Ion Ratio Lower Upper

43 100

61 21.7 21.9 32.9#

87 15.0 12.0 18.0



#48

Methyl methacrylate

Concen: 1.968 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

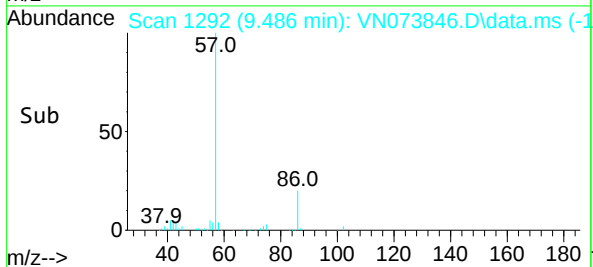
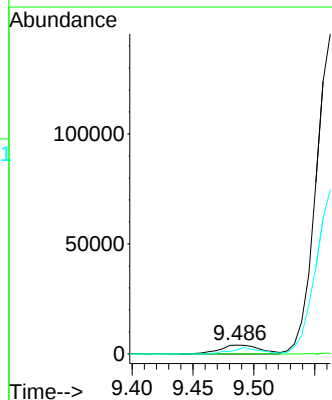
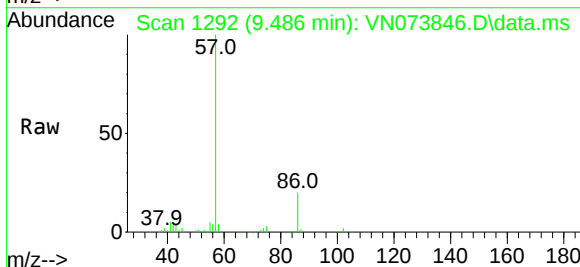
Tgt Ion: 41 Resp: 9326

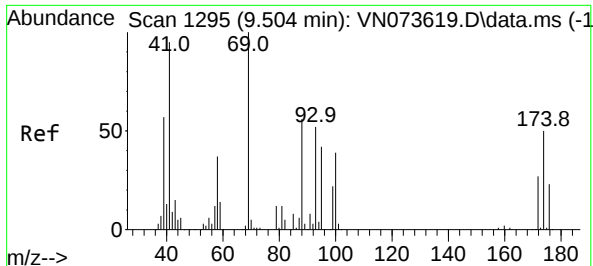
Ion Ratio Lower Upper

41 100

69 0.7 74.7 112.1#

39 51.7 45.6 68.4





#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

PB146944TB

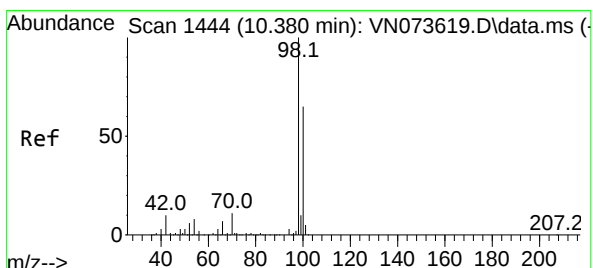
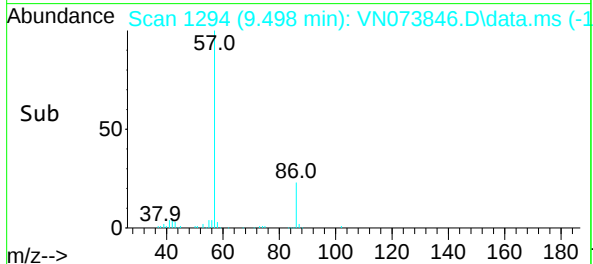
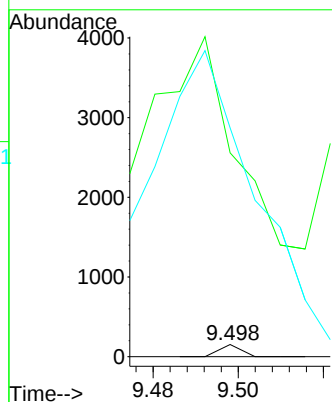
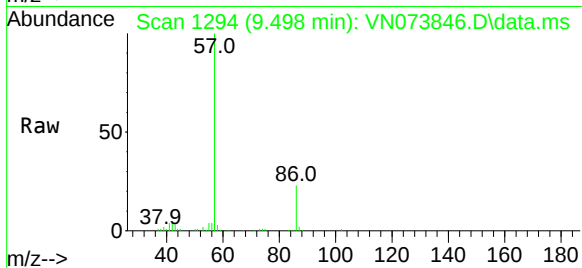
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 13351.9 54.2 81.4#



#50

Toluene-d8

Concen: 47.190 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN073846.D

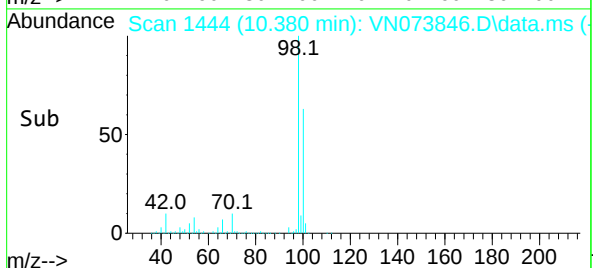
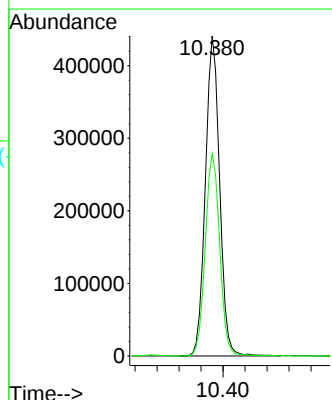
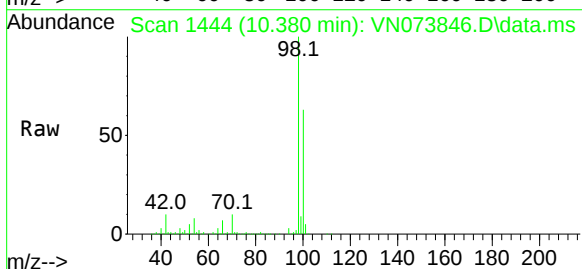
Acq: 12 Aug 2022 12:56

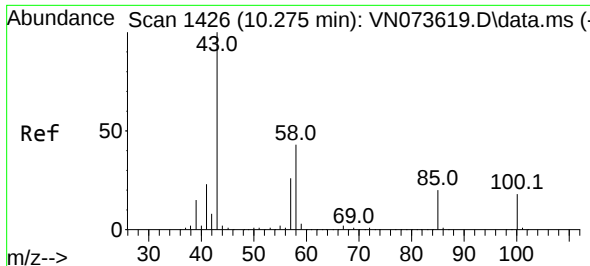
Tgt Ion: 98 Resp: 792976

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8

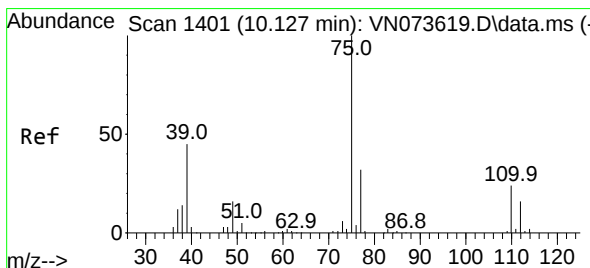
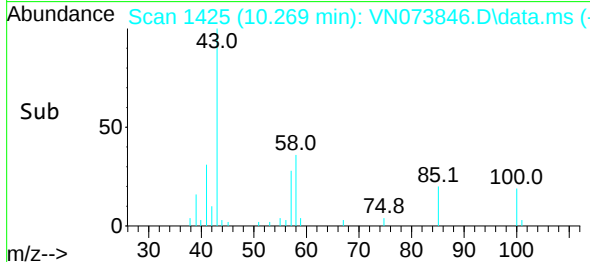
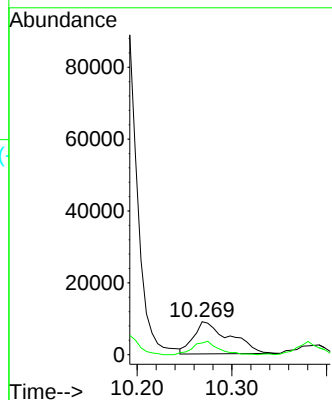
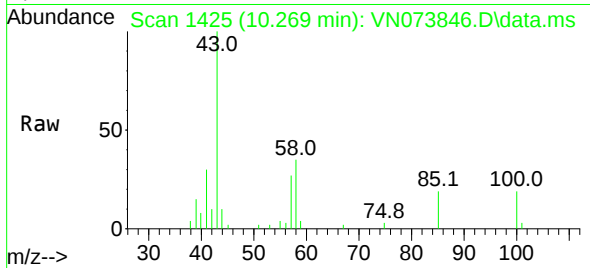




#51
4-Methyl-2-Pentanone
Concen: 3.038 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

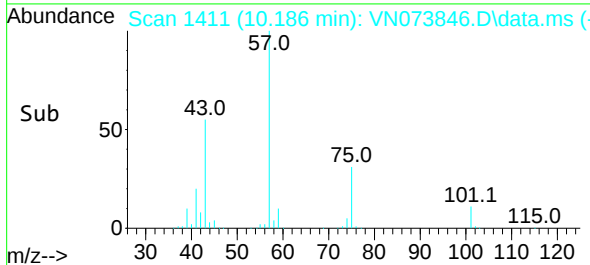
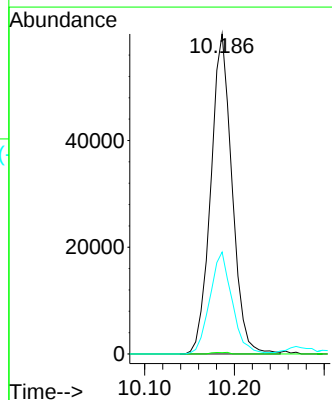
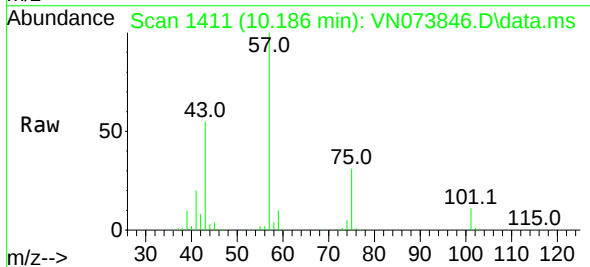
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

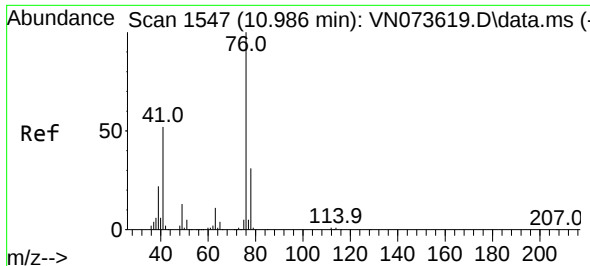
Tgt Ion: 43 Resp: 23593
Ion Ratio Lower Upper
43 100
58 29.3 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 13.472 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 75 Resp: 98691
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 31.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.614 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073846.D

Acq: 12 Aug 2022 12:56

Instrument :

MSVOA_N

ClientSampleId :

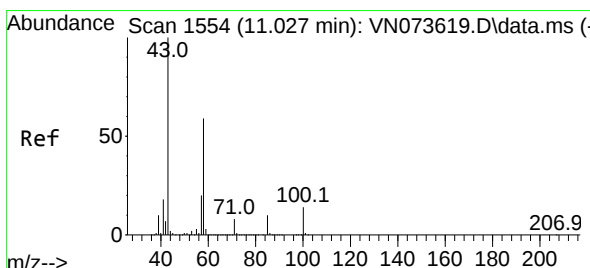
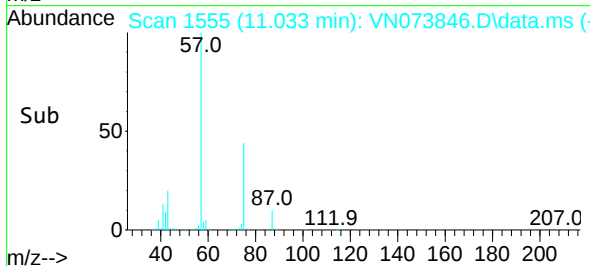
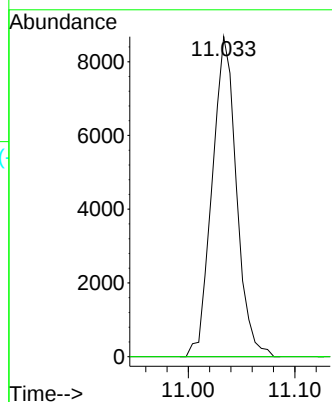
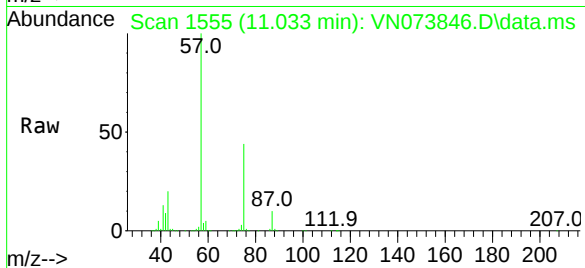
PB146944TB

Tgt Ion: 76 Resp: 13781

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 30.740 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073846.D

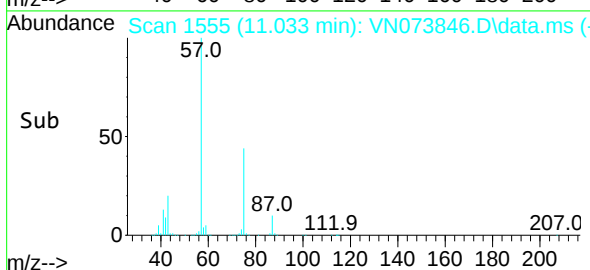
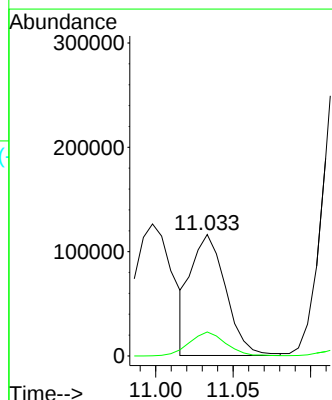
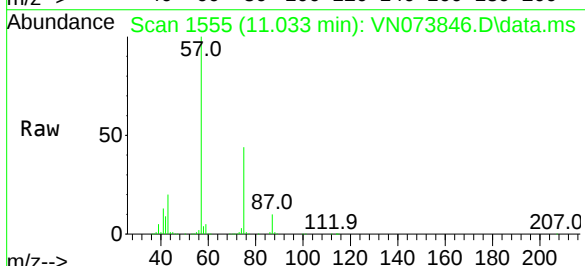
Acq: 12 Aug 2022 12:56

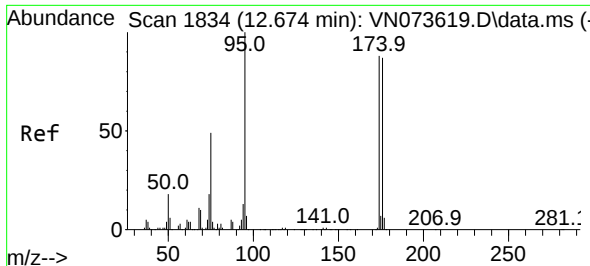
Tgt Ion: 43 Resp: 180842

Ion Ratio Lower Upper

43 100

58 20.9 29.7 89.1#

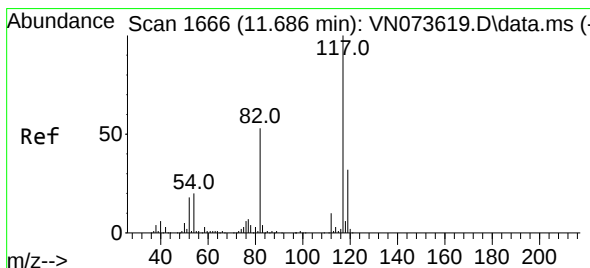
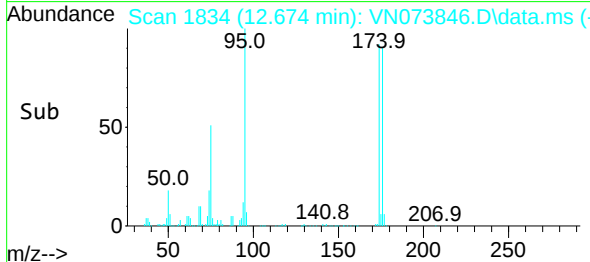
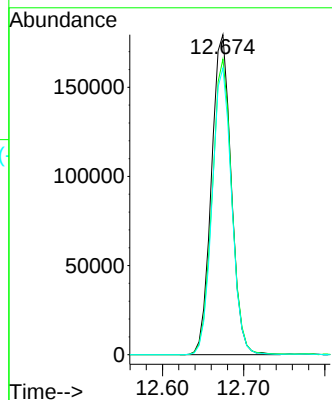
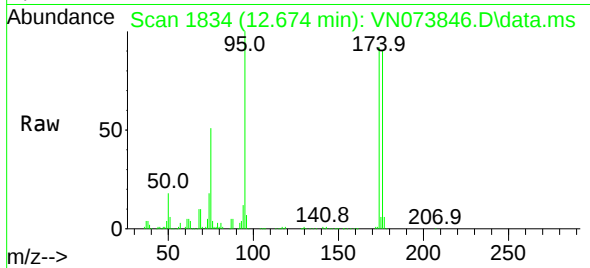




#62
4-Bromofluorobenzene
Concen: 51.410 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

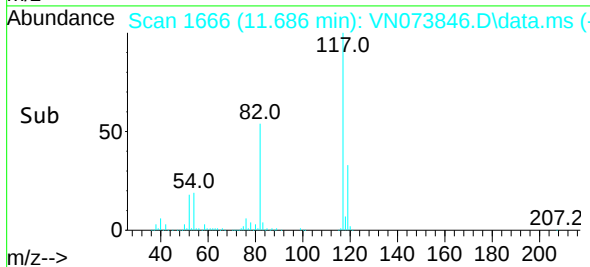
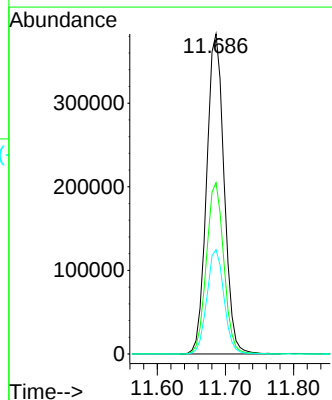
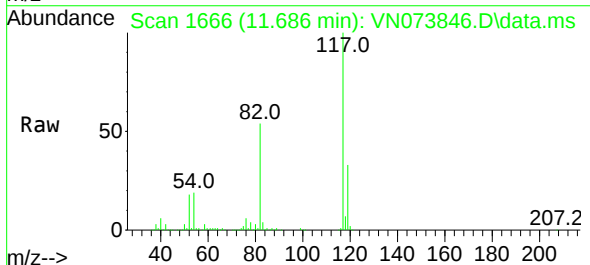
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

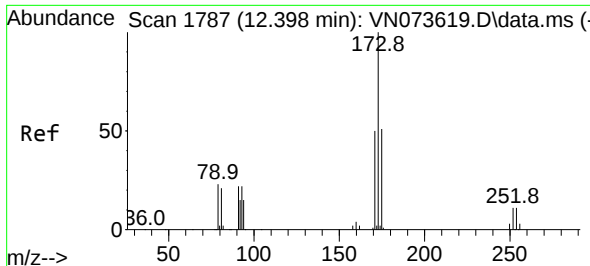
Tgt Ion: 95 Resp: 303751
Ion Ratio Lower Upper
95 100
174 91.7 0.0 167.6
176 88.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion: 117 Resp: 683795
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 32.6 25.4 38.0

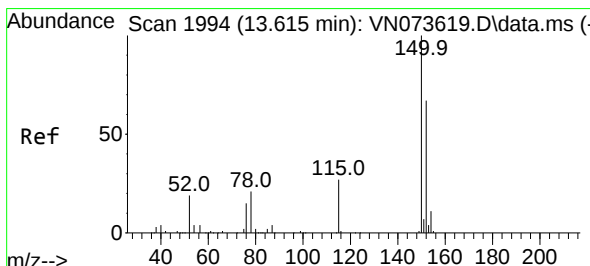
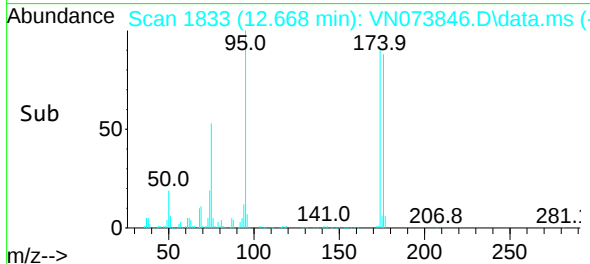
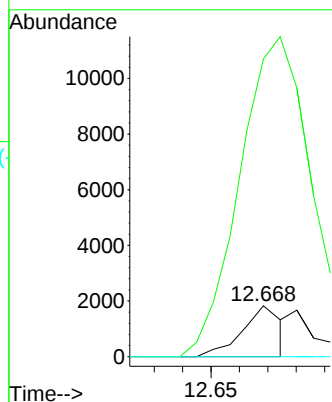
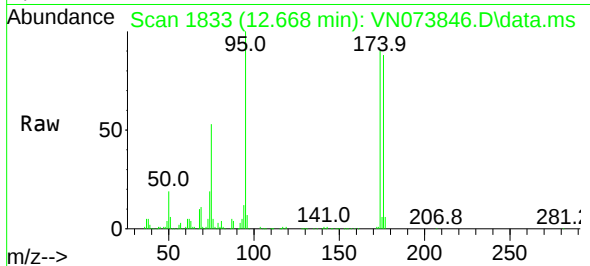




#71
Bromoform
Concen: 0.407 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

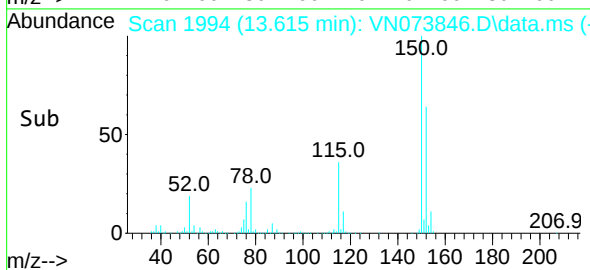
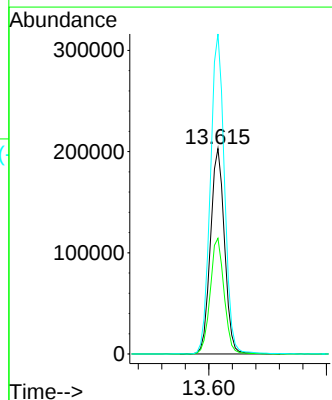
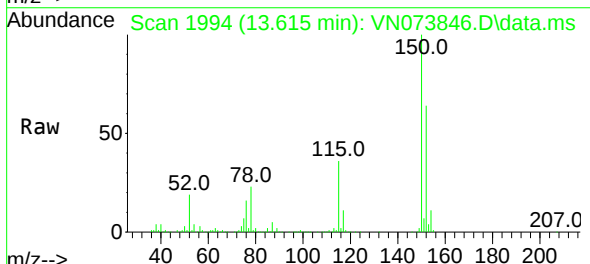
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

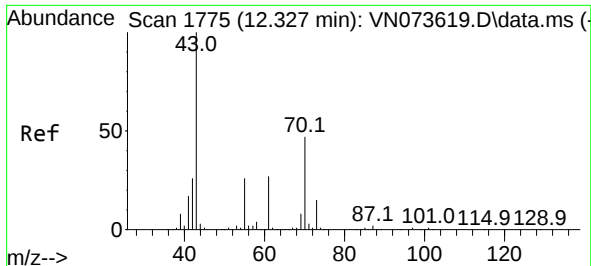
Tgt Ion:173 Resp: 1748
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion:152 Resp: 336774
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 156.3 0.0 356.2

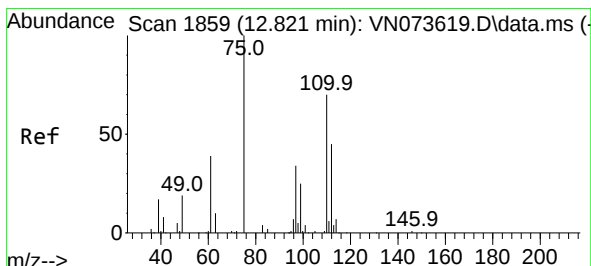
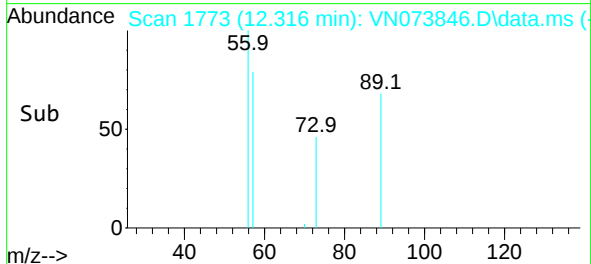
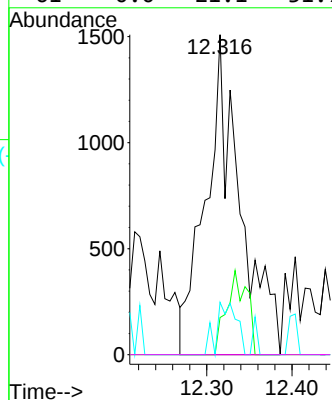
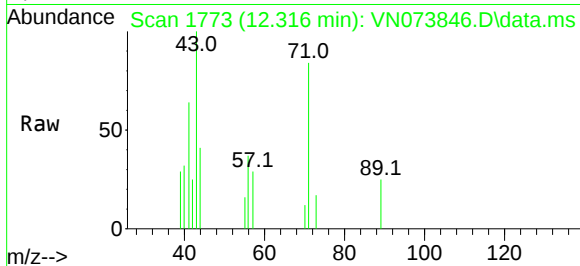




#74
N-amy1 acetate
Concen: 0.452 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

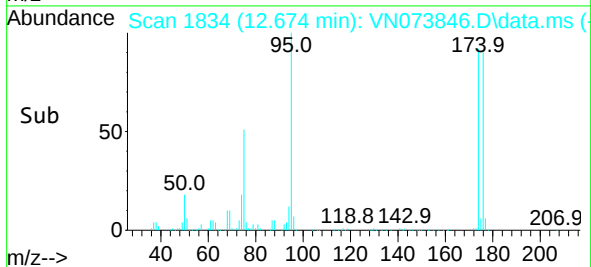
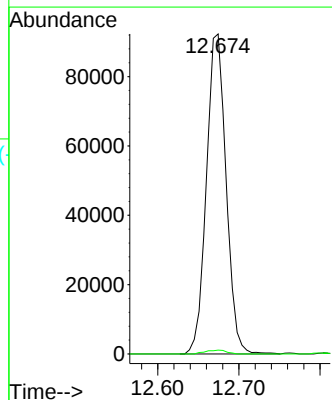
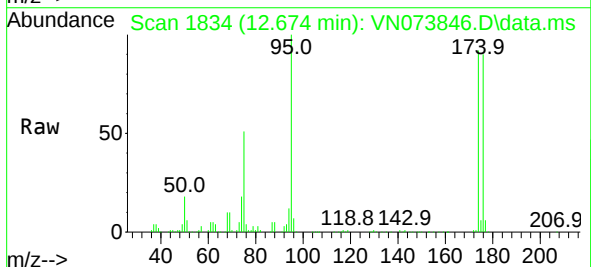
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

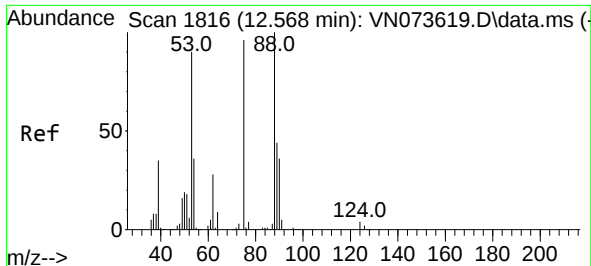
Tgt Ion:	43	Resp:	4212
Ion	Ratio	Lower	Upper
43	100		
70	15.7	39.0	58.4#
55	9.7	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 23.474 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

Tgt Ion:	75	Resp:	155375
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#

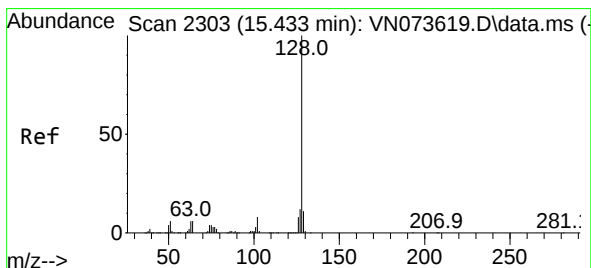
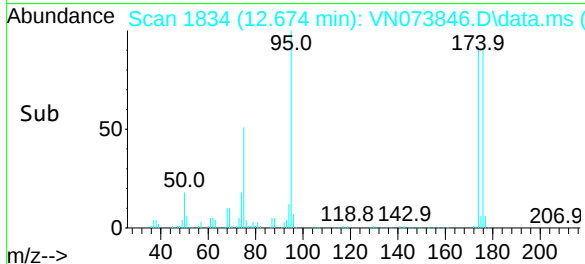
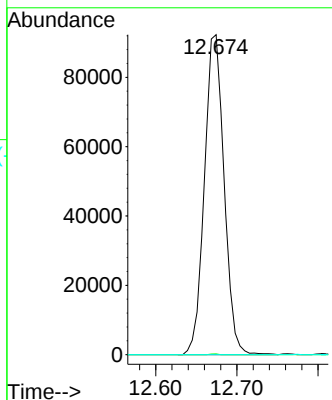
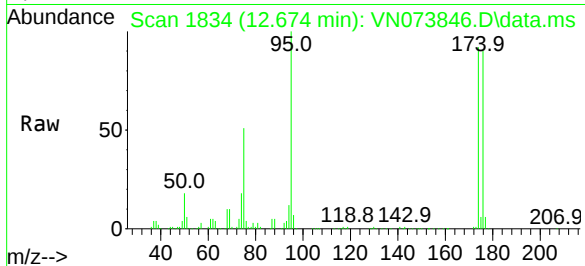




#81
trans-1,4-Dichloro-2-butene
Concen: 59.789 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

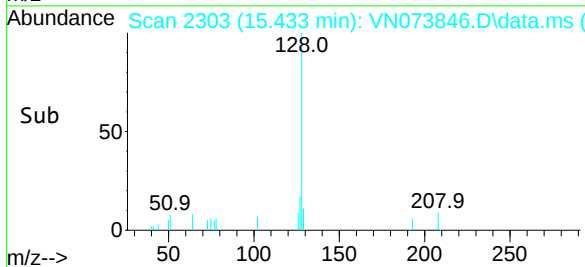
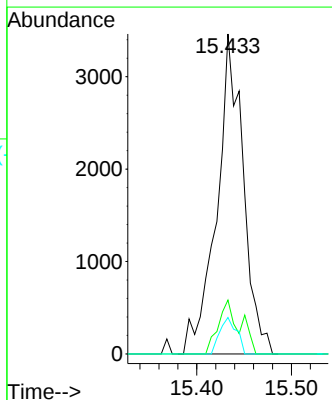
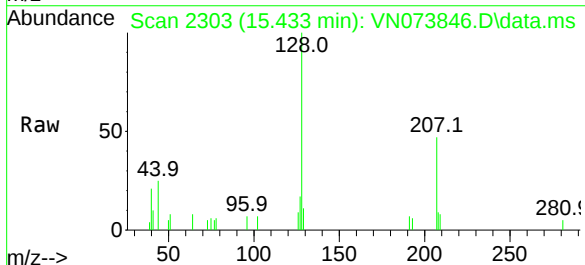
Instrument :
MSVOA_N
ClientSampleId :
PB146944TB

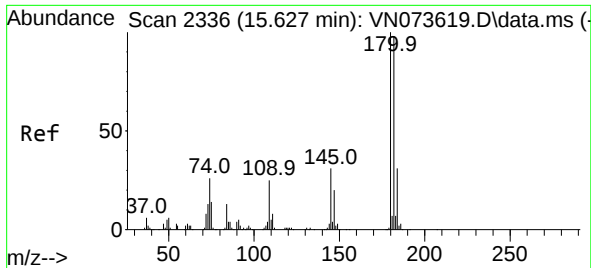
Tgt Ion: 75 Resp: 155375
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.352 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN073846.D
Acq: 12 Aug 2022 12:56

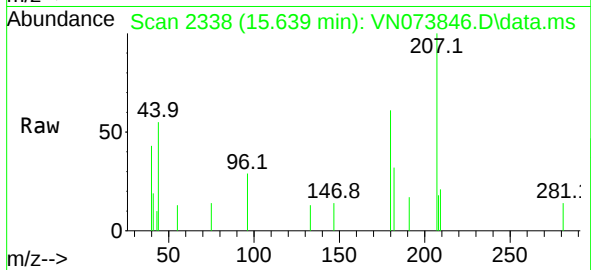
Tgt Ion: 128 Resp: 6733
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 7.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 15.639 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN073846.D
 Acq: 12 Aug 2022 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146944TB



Tgt Ion:	180	Resp:	1387
Ion	Ratio	Lower	Upper
180	100		
182	87.2	47.8	143.3
145	12.5	15.5	46.5#

