

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081022\
 Data File : VN073801.D
 Acq On : 10 Aug 2022 16:35
 Operator : JC\MD
 Sample : PB146860TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860TB

Quant Time: Aug 10 22:55:00 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

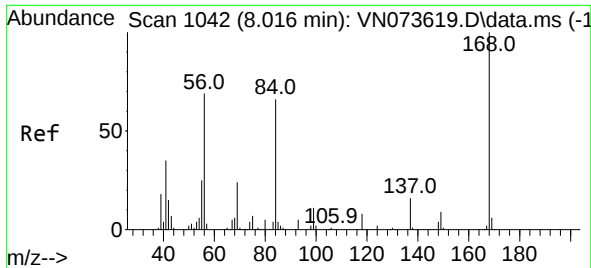
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	395209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	635347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	643313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	302113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	231881	48.145	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.300%		
35) Dibromofluoromethane	7.951	113	217785	54.588	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.180%		
50) Toluene-d8	10.380	98	746523	47.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.100%		
62) 4-Bromofluorobenzene	12.674	95	281640	51.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.080%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	773	Below Cal	#	59
5) Bromomethane	2.816	94	2035	0.523	ug/l	87
6) Chloroethane	2.952	64	600	Below Cal		91
11) Tert butyl alcohol	5.304	59	2408	2.318	ug/l	# 72
16) Acetone	4.228	43	112830	43.617	ug/l	98
18) Methyl Acetate	4.787	43	4818	0.749	ug/l	90
20) Methylene Chloride	5.010	84	33987	6.190	ug/l	98
25) 2-Butanone	7.275	43	22621	5.631	ug/l	92
29) Tetrahydrofuran	7.622	42	1538	0.606	ug/l	93
31) Cyclohexane	8.016	56	7608	1.061	ug/l	# 1
36) 1,1-Dichloropropene	8.016	75	28396	4.994	ug/l	# 49
37) Ethyl Acetate	7.340	43	64302	8.587	ug/l	99
38) Carbon Tetrachloride	8.016	117	36582	6.334	ug/l	# 19
41) Methacrylonitrile	7.622	41	1084	0.320	ug/l	# 40
42) 1,2-Dichloroethane	8.498	62	1661	0.267	ug/l	# 74
43) Isopropyl Acetate	8.498	43	255427	25.254	ug/l	# 91
48) Methyl methacrylate	9.486	41	9903	2.237	ug/l	# 39
49) 1,4-Dioxane	9.498	88	112	0.897	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.269	43	23825	3.284	ug/l	# 80
53) t-1,3-Dichloropropene	10.557	75	1850	0.305	ug/l	# 1
54) cis-1,3-Dichloropropene	10.186	75	92716	13.547	ug/l	# 68
57) 1,3-Dichloropropane	11.033	76	14827	1.858	ug/l	# 42
58) 2-Chloroethyl Vinyl ether	10.192	63	58	9.958	ug/l	# 44
59) 2-Hexanone	11.033	43	184857	33.633	ug/l	# 50
71) Bromoform	12.669	173	1489	0.368	ug/l	# 28
74) N-amyl acetate	12.316	43	2454	0.294	ug/l	# 49
76) 1,2,3-Trichloropropane	12.674	75	142998	24.172	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	142998	61.340	ug/l	# 11

(#) = 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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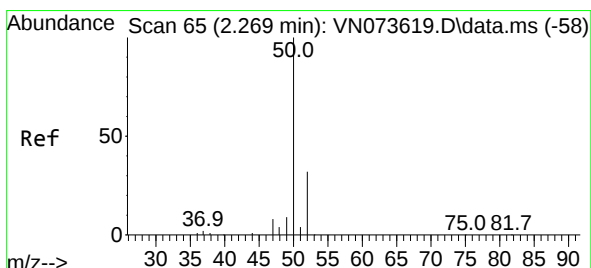
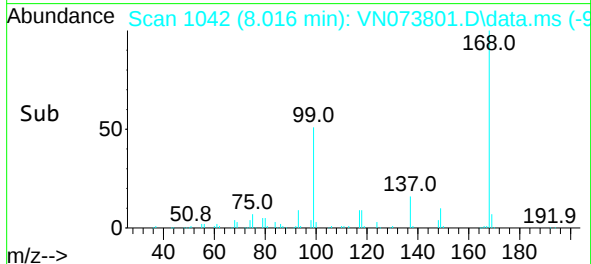
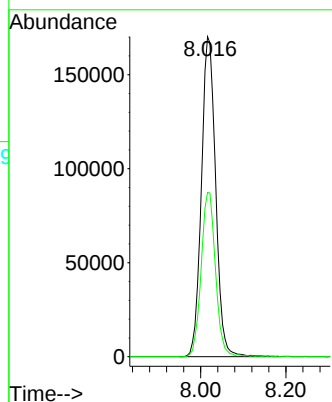
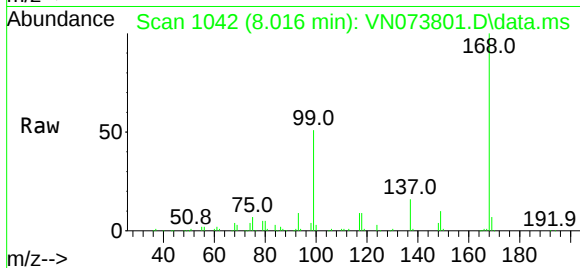




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

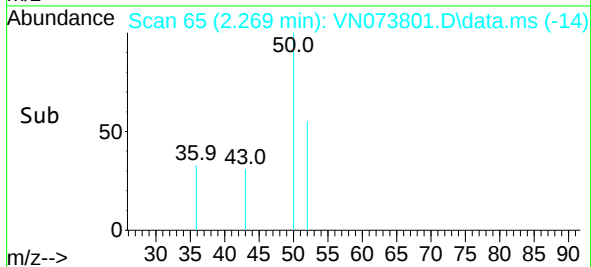
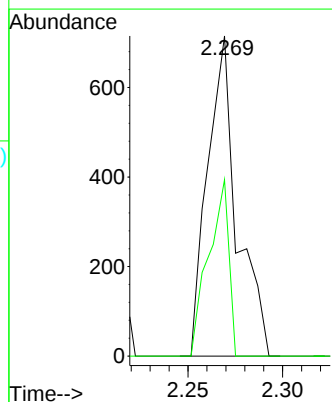
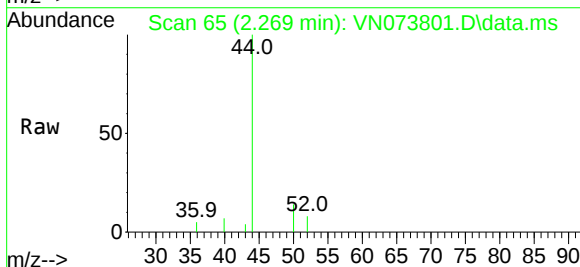
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

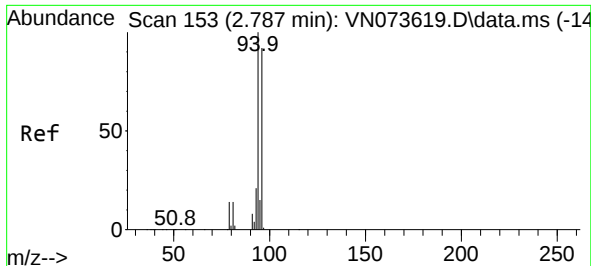
Tgt Ion:168 Resp: 395209
Ion Ratio Lower Upper
168 100
99 51.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 50 Resp: 773
Ion Ratio Lower Upper
50 100
52 55.1 25.7 38.5#

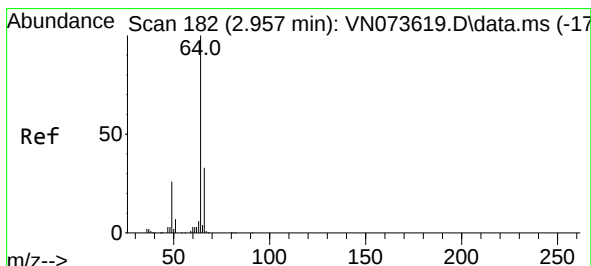
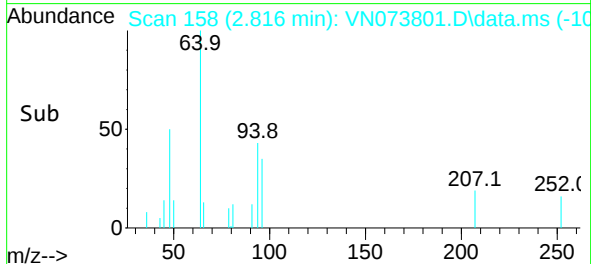
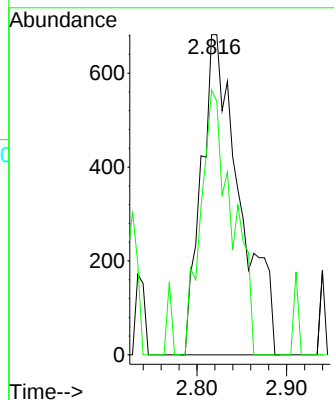
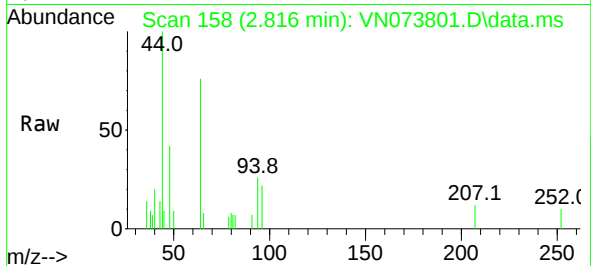




#5
Bromomethane
Concen: 0.523 ug/l
RT: 2.816 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

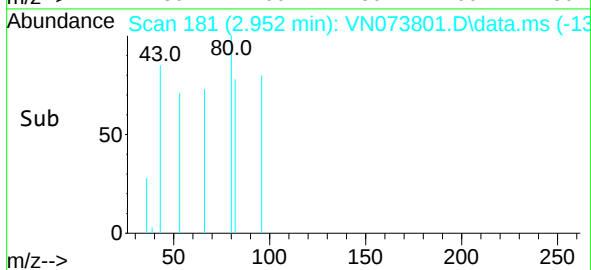
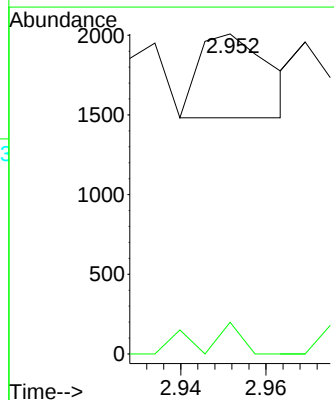
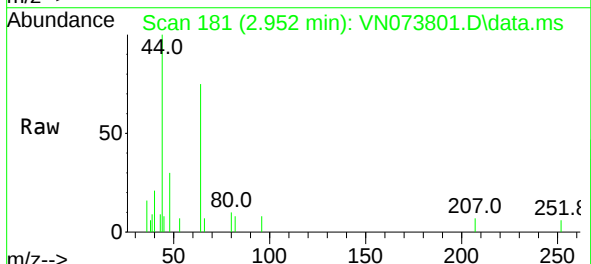
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MSVOA_N
ClientSampleId :
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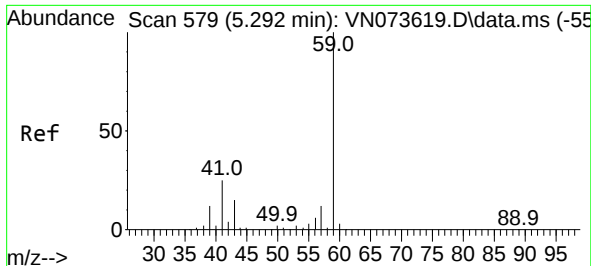
Tgt Ion: 94 Resp: 2035
Ion Ratio Lower Upper
94 100
96 82.7 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.952 min Scan# 181
Delta R.T. -0.005 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 64 Resp: 600
Ion Ratio Lower Upper
64 100
66 37.8 26.2 39.4

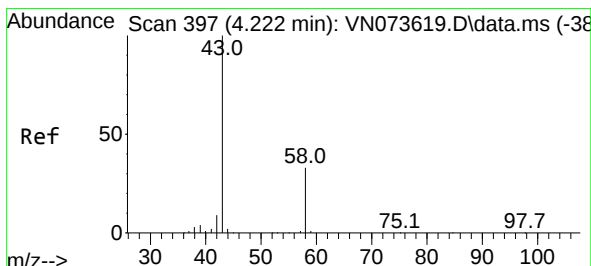
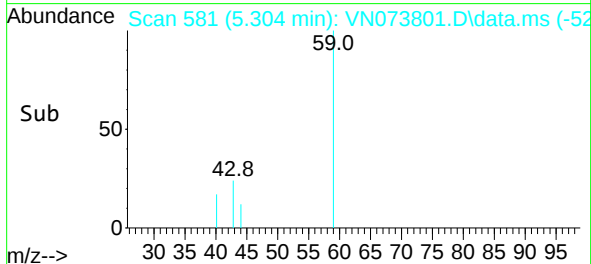
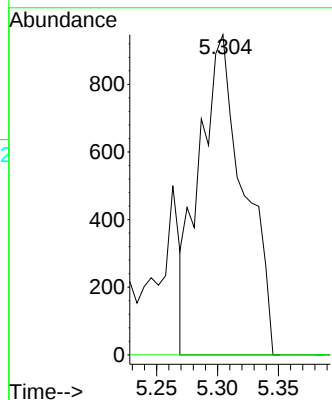
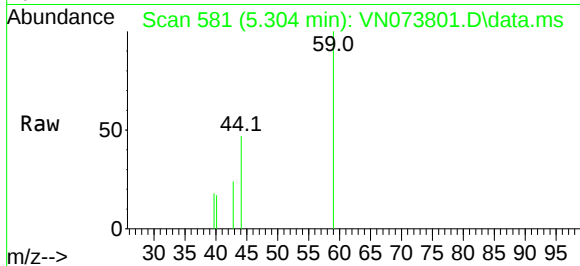




#11
Tert butyl alcohol
Concen: 2.318 ug/l
RT: 5.304 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

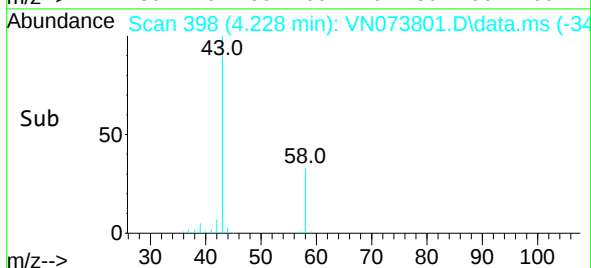
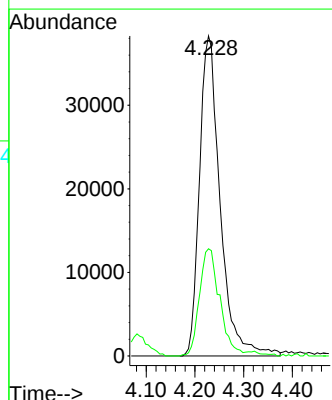
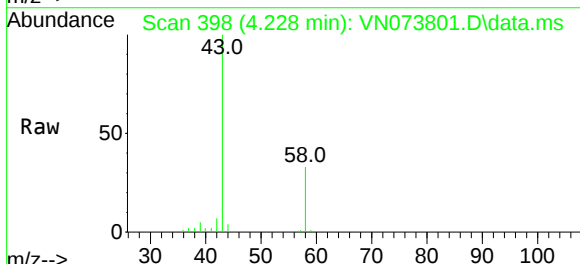
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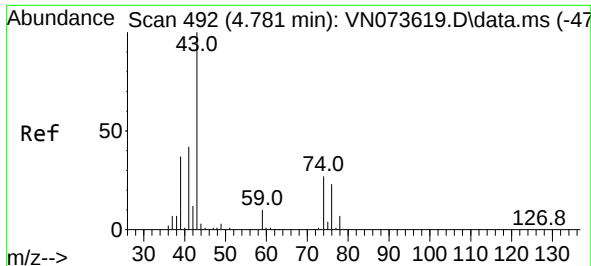
Tgt Ion: 59 Resp: 2408
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 43.617 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 43 Resp: 112830
Ion Ratio Lower Upper
43 100
58 33.5 26.0 39.0

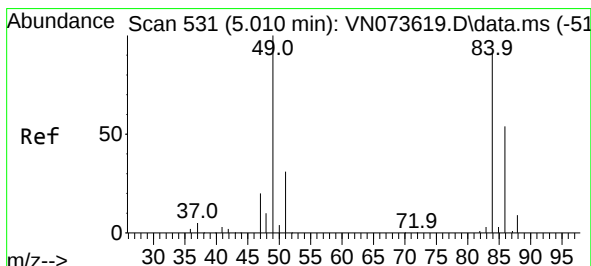
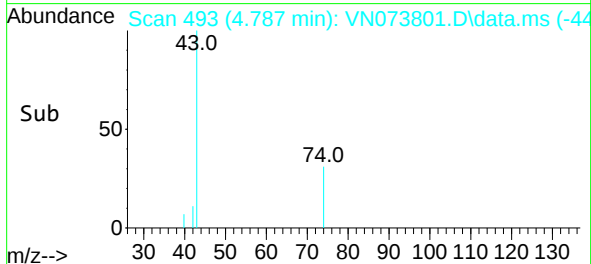
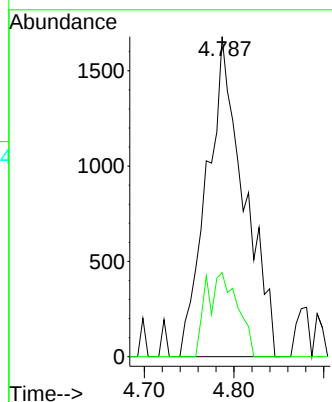
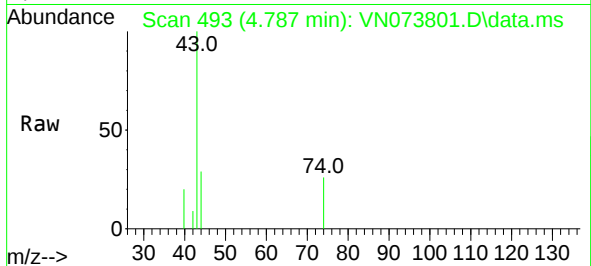




#18
Methyl Acetate
Concen: 0.749 ug/l
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

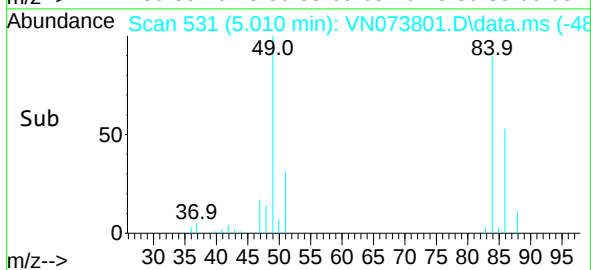
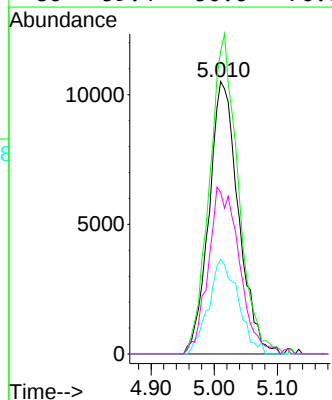
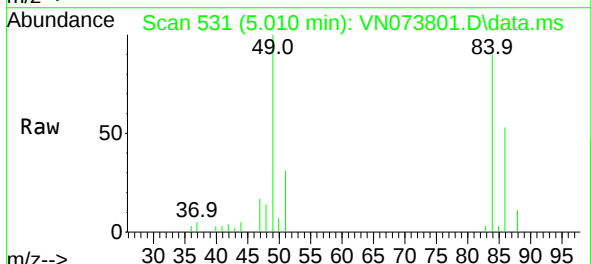
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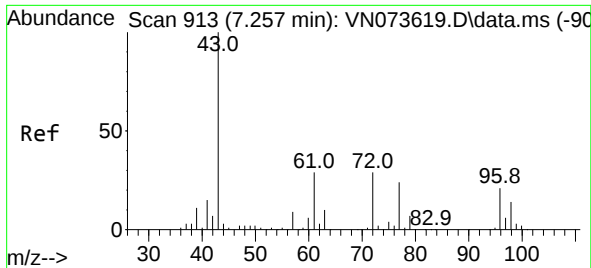
Tgt Ion: 43 Resp: 4818
Ion Ratio Lower Upper
43 100
74 22.1 21.6 32.4



#20
Methylene Chloride
Concen: 6.190 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 84 Resp: 33987
Ion Ratio Lower Upper
84 100
49 111.3 88.3 132.5
51 34.7 28.2 42.2
86 59.4 50.6 76.0

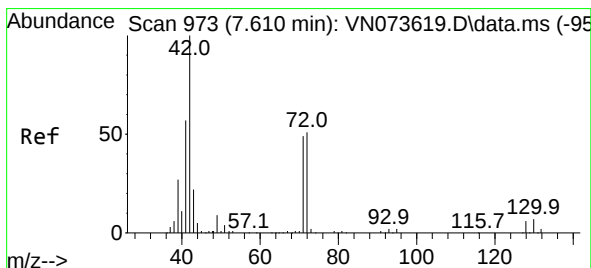
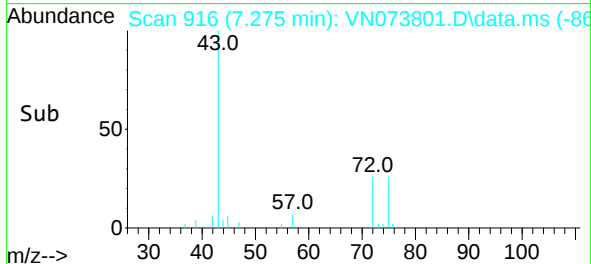
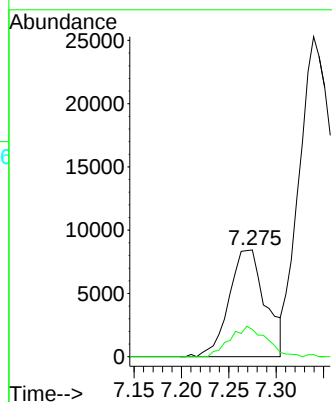
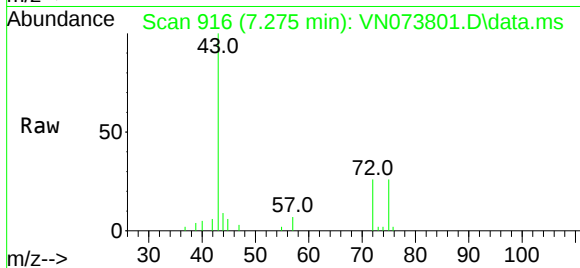




#25
2-Butanone
Concen: 5.631 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

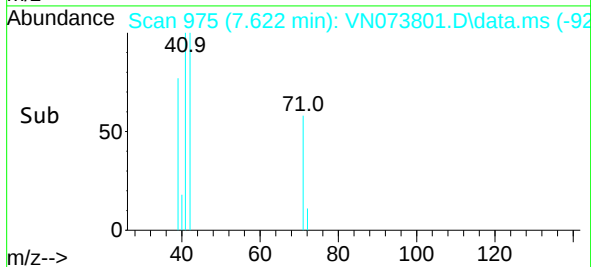
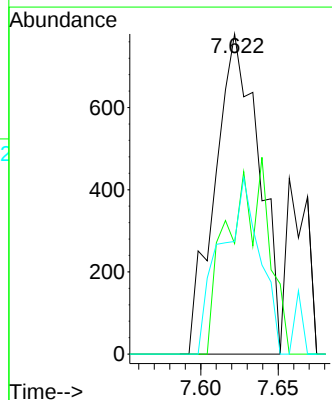
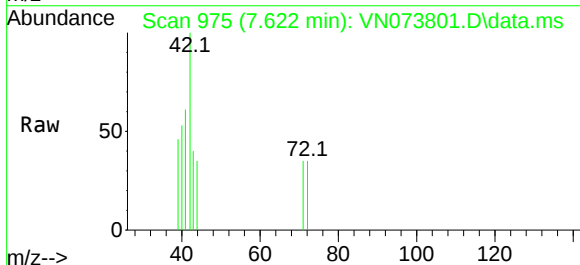
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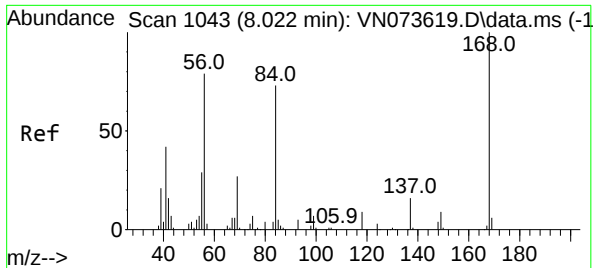
Tgt Ion: 43 Resp: 22621
Ion Ratio Lower Upper
43 100
72 25.5 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.606 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

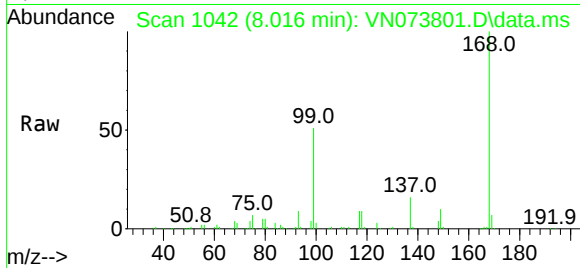
Tgt Ion: 42 Resp: 1538
Ion Ratio Lower Upper
42 100
72 55.7 39.7 59.5
71 48.8 36.6 55.0



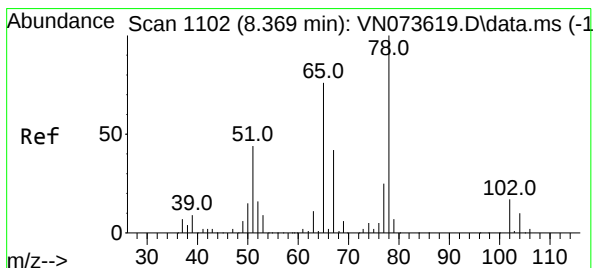
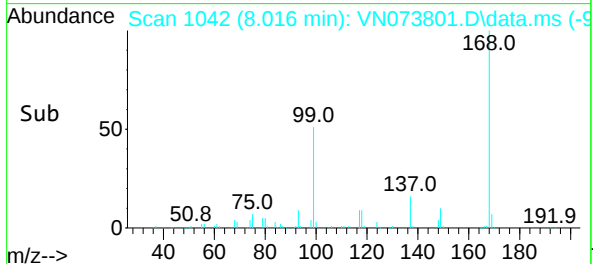
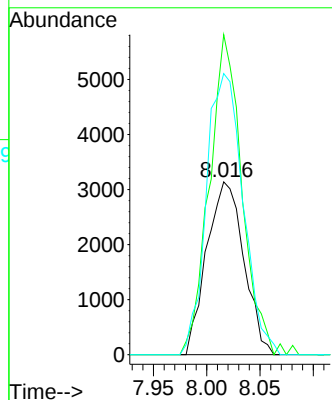


#31
Cyclohexane
Concen: 1.061 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Instrument :
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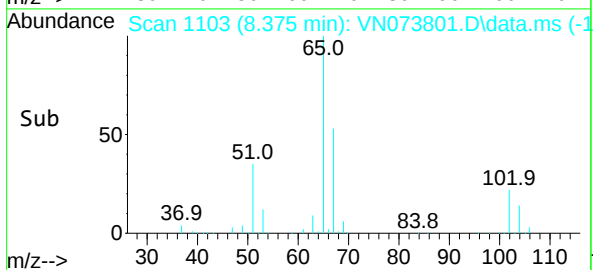
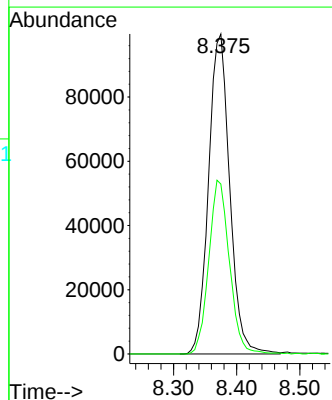
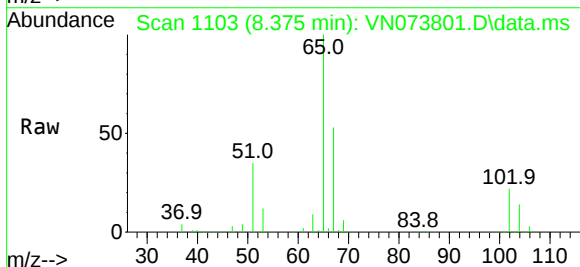


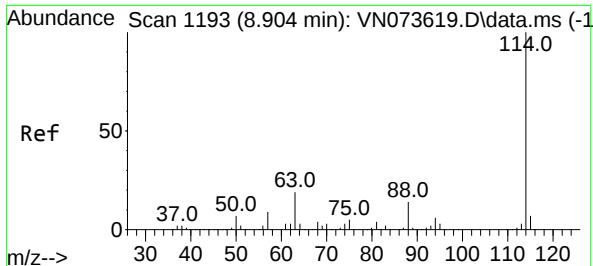
Tgt Ion: 56 Resp: 7608
Ion Ratio Lower Upper
56 100
69 185.2 27.8 41.8#
84 169.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.145 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 65 Resp: 231881
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8

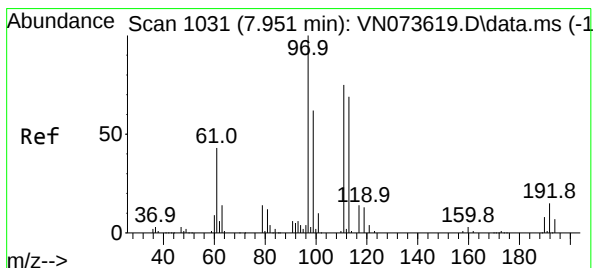
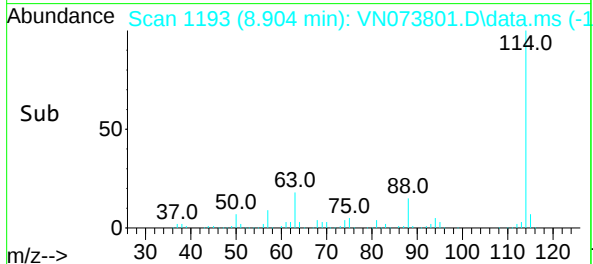
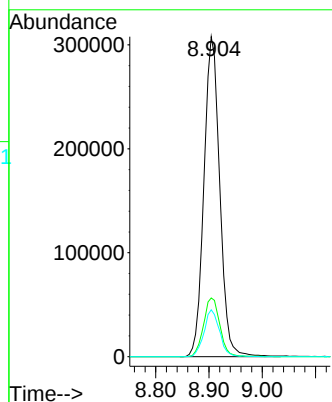
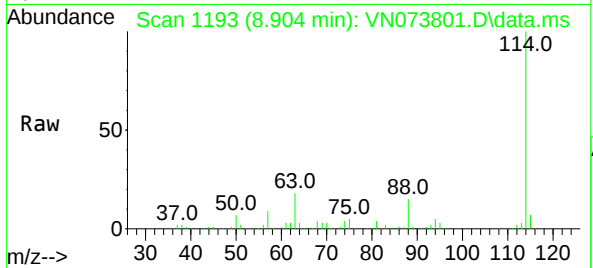




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

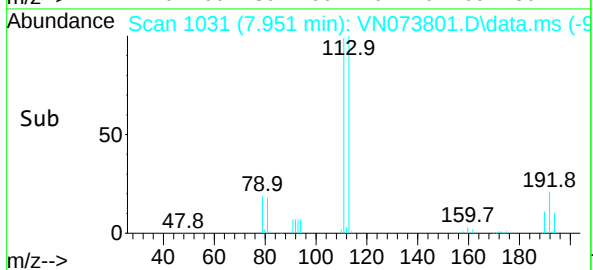
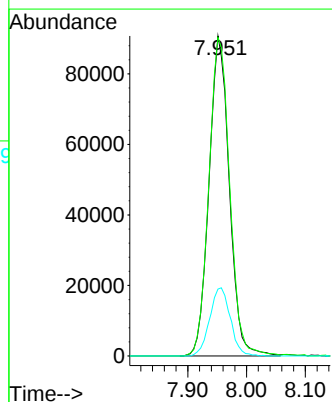
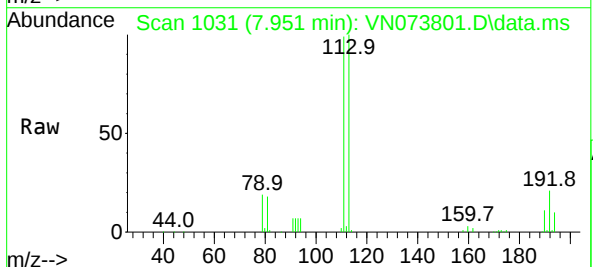
Instrument :
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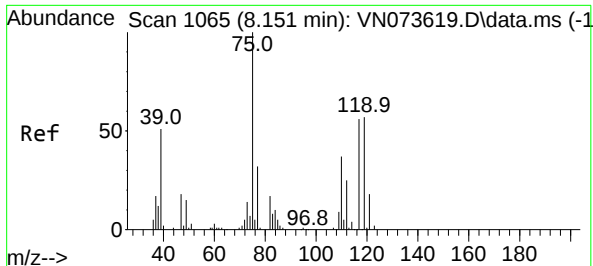
Tgt Ion:114 Resp: 635347
Ion Ratio Lower Upper
114 100
63 18.4 0.0 40.0
88 14.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.588 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion:113 Resp: 217785
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 21.7 17.0 25.6

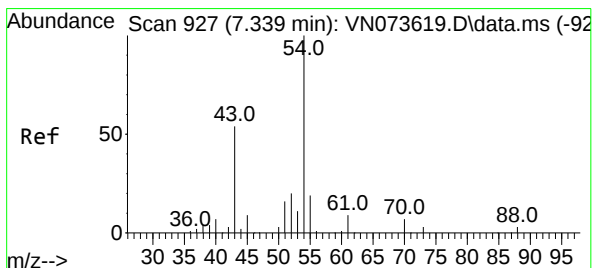
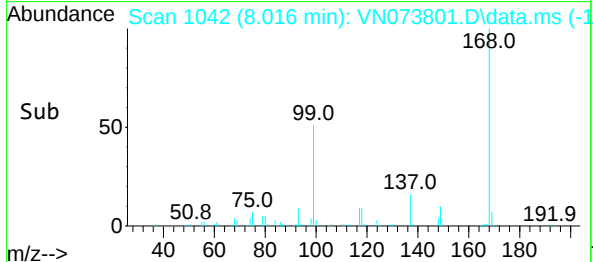
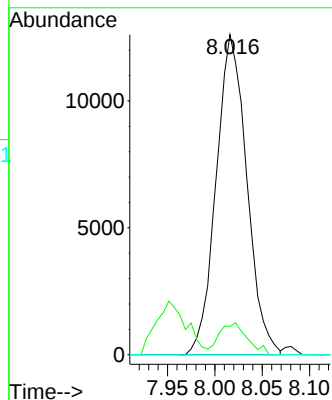
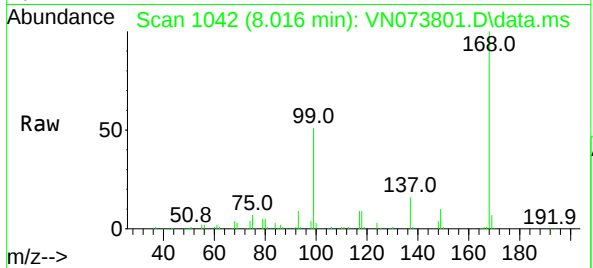




#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 8.016 min Scan# 1065
 Delta R.T. -0.135 min
 Lab File: VN073801.D
 Acq: 10 Aug 2022 16:35

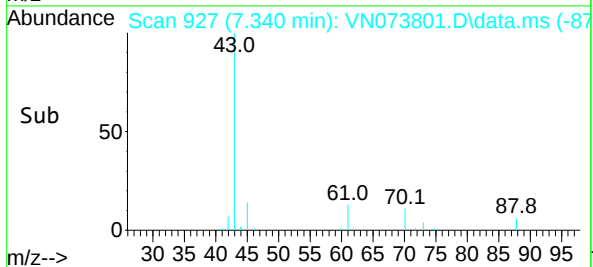
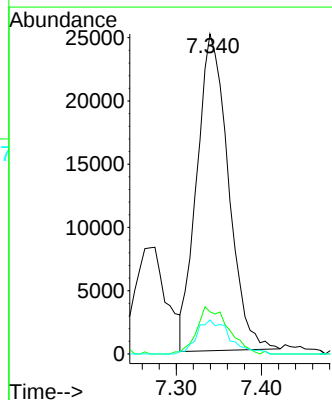
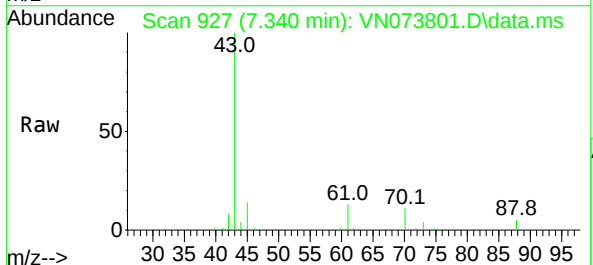
Instrument :
 MSVOA_N
 ClientSampleId :
 PB146860TB

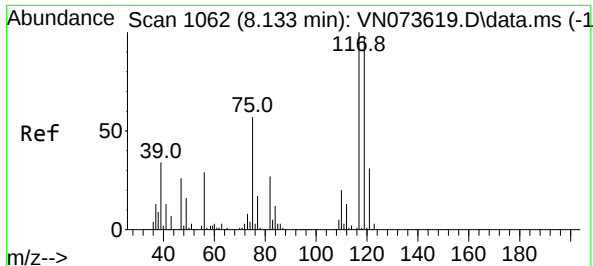
Tgt Ion: 75 Resp: 28396
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.3 54.8#
 77 0.0 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 8.587 ug/l
 RT: 7.340 min Scan# 927
 Delta R.T. 0.000 min
 Lab File: VN073801.D
 Acq: 10 Aug 2022 16:35

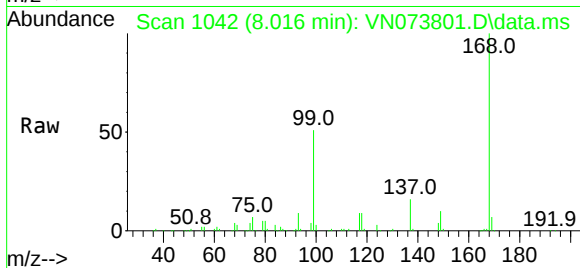
Tgt Ion: 43 Resp: 64302
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.8 17.6
 70 11.2 9.3 13.9



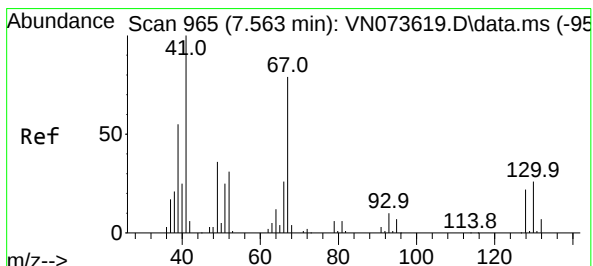
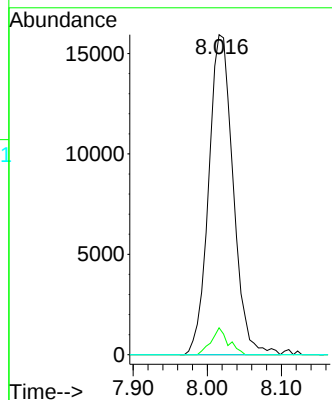
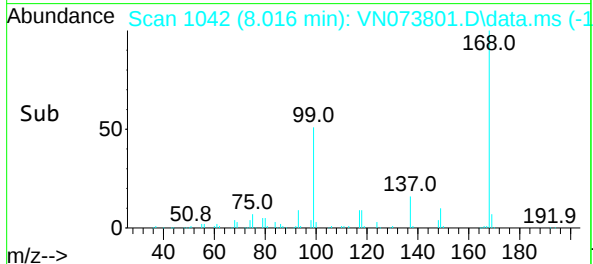


#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

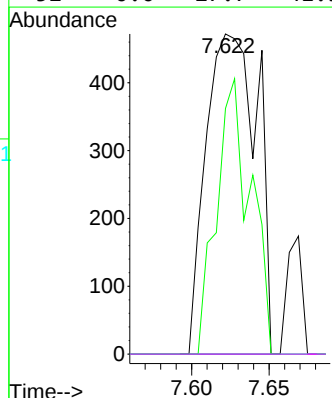
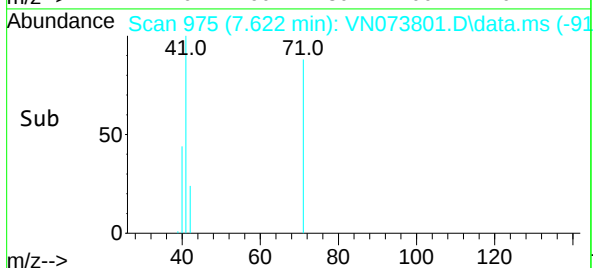
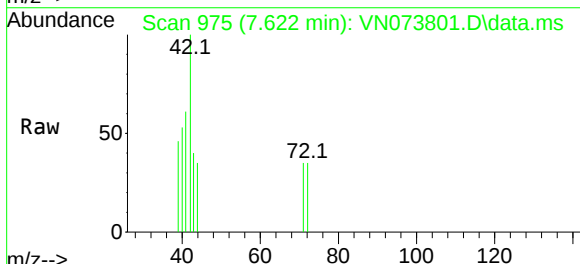


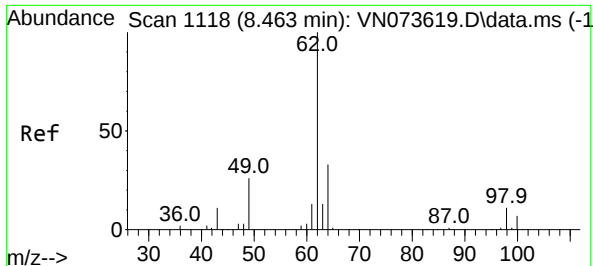
Tgt Ion:117 Resp: 36582
Ion Ratio Lower Upper
117 100
119 8.4 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.320 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 41 Resp: 1084
Ion Ratio Lower Upper
41 100
39 57.4 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.267 ug/l

RT: 8.498 min Scan# 1118

Delta R.T. 0.035 min

Lab File: VN073801.D

Acq: 10 Aug 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

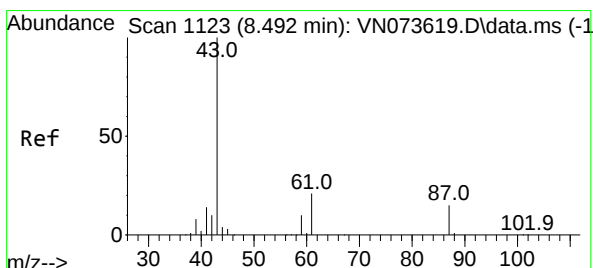
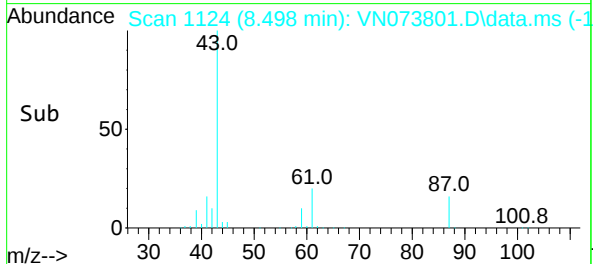
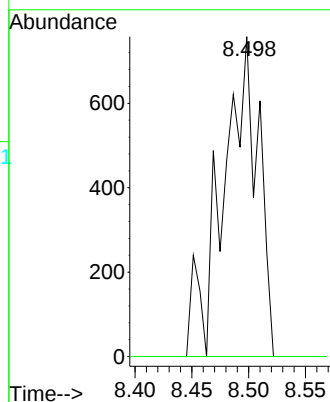
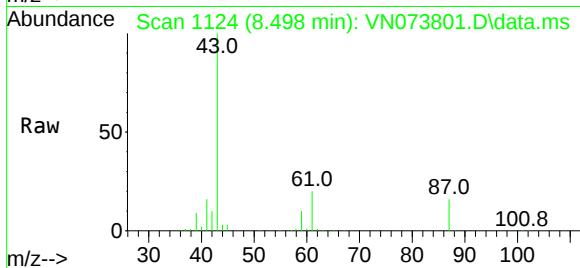
PB146860TB

Tgt Ion: 62 Resp: 1661

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#43

Isopropyl Acetate

Concen: 25.254 ug/l

RT: 8.498 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN073801.D

Acq: 10 Aug 2022 16:35

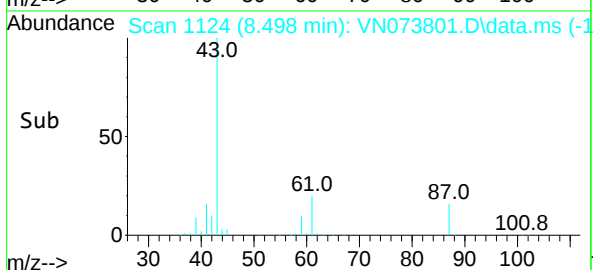
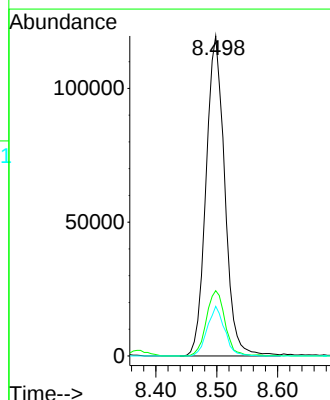
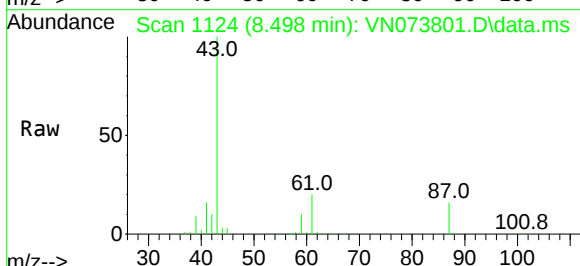
Tgt Ion: 43 Resp: 255427

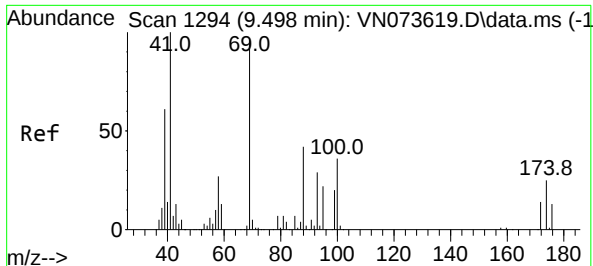
Ion Ratio Lower Upper

43 100

61 20.5 21.9 32.9#

87 14.4 12.0 18.0

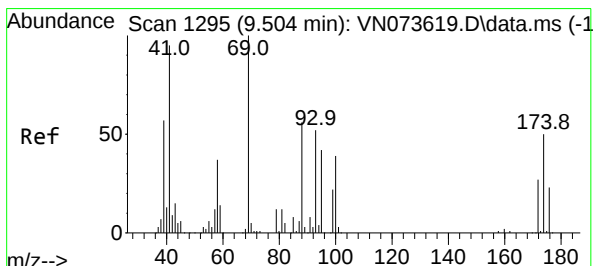
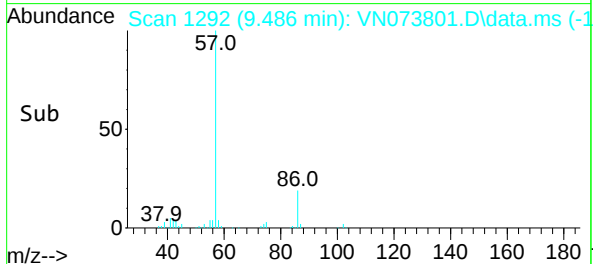
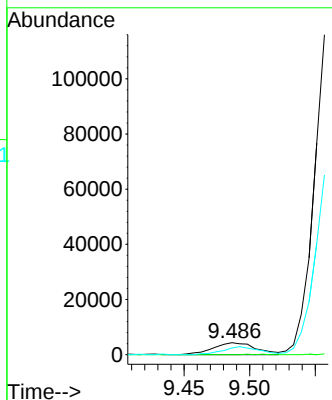
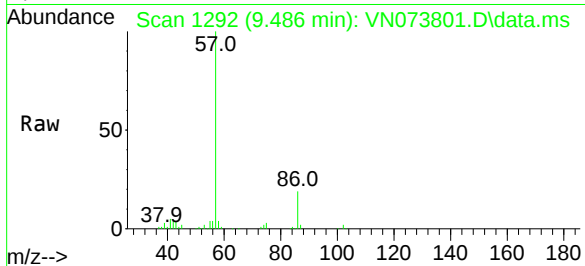




#48
Methyl methacrylate
Concen: 2.237 ug/l
RT: 9.486 min Scan# 1292
Delta R.T. -0.012 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

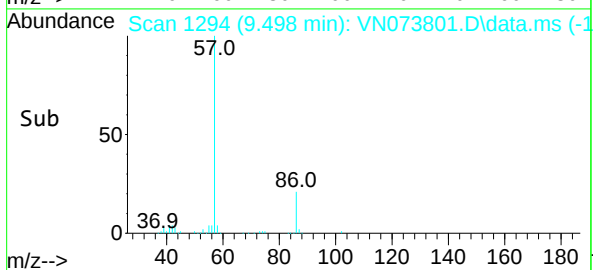
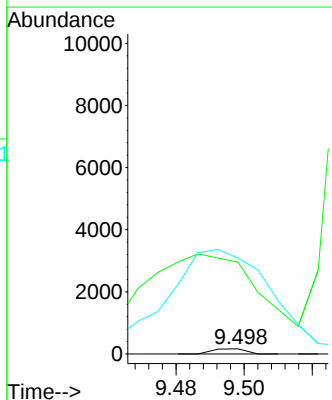
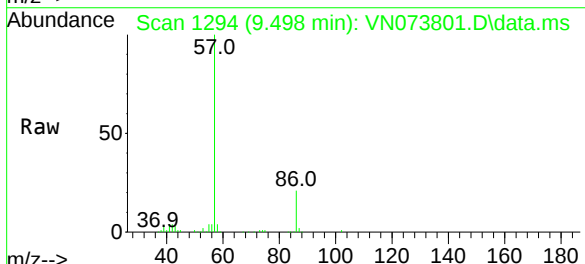
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

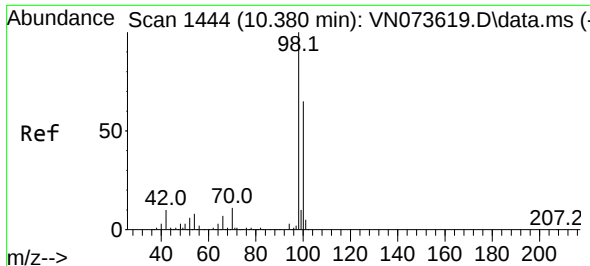
Tgt Ion: 41 Resp: 9903
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 56.1 45.6 68.4



#49
1,4-Dioxane
Concen: 0.897 ug/l
RT: 9.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 6725.0 54.2 81.4#

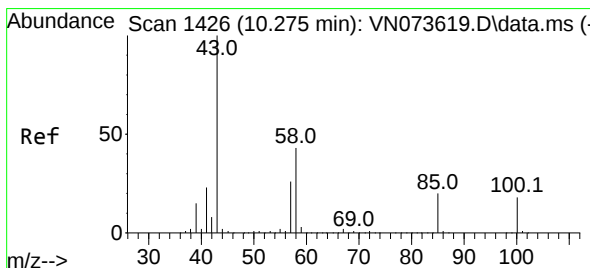
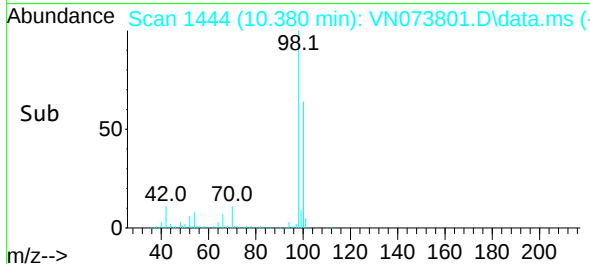
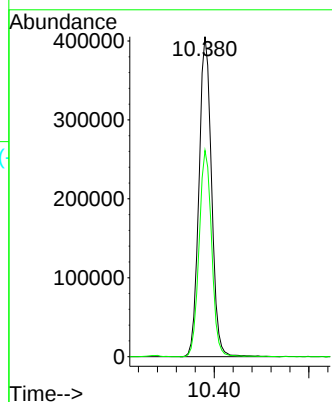
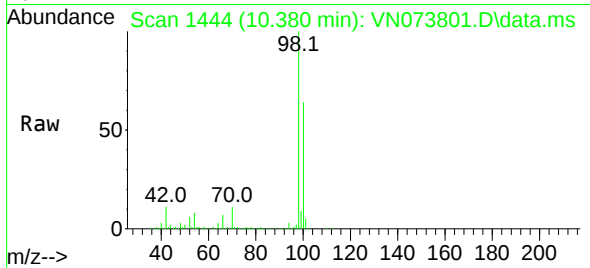




#50
Toluene-d8
Concen: 47.551 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

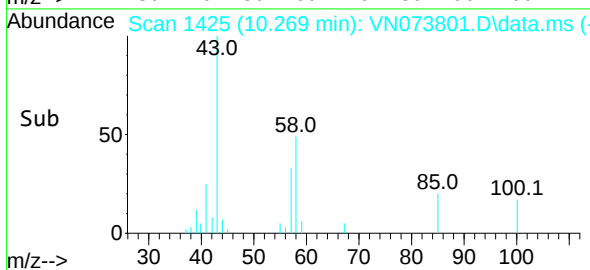
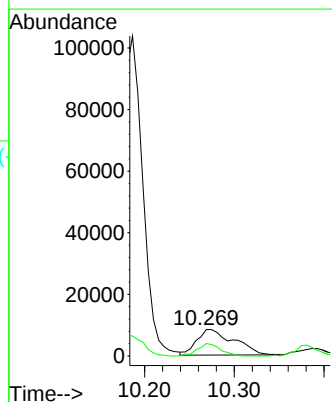
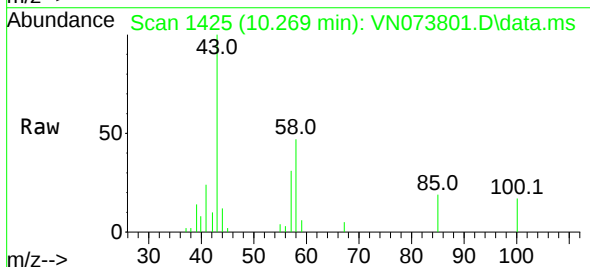
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

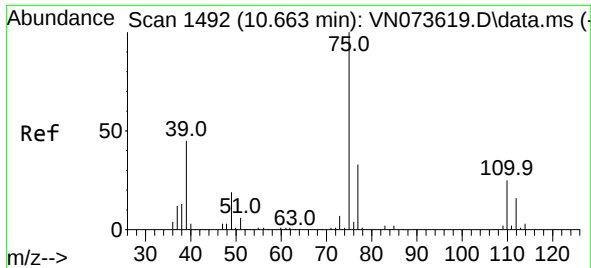
Tgt Ion: 98 Resp: 746523
Ion Ratio Lower Upper
98 100
100 64.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 3.284 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 43 Resp: 23825
Ion Ratio Lower Upper
43 100
58 30.0 34.1 51.1#

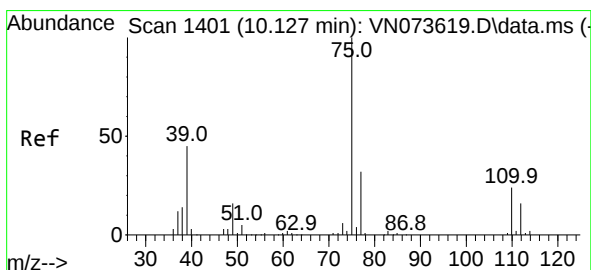
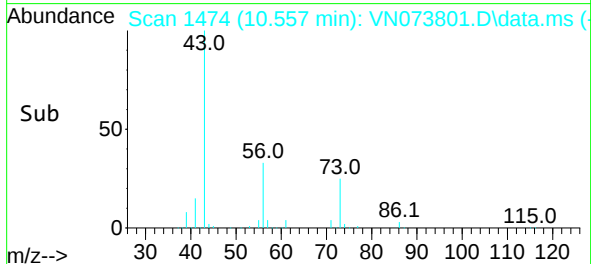
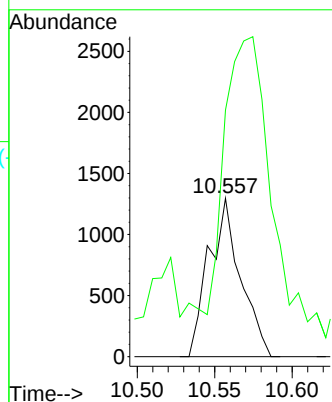
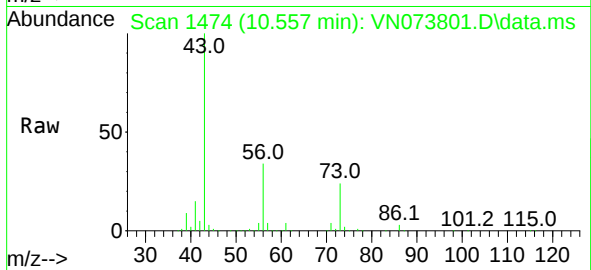




#53
 t-1,3-Dichloropropene
 Concen: 0.305 ug/l
 RT: 10.557 min Scan# 1410
 Delta R.T. -0.106 min
 Lab File: VN073801.D
 Acq: 10 Aug 2022 16:35

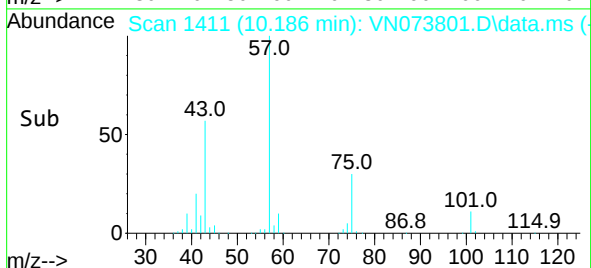
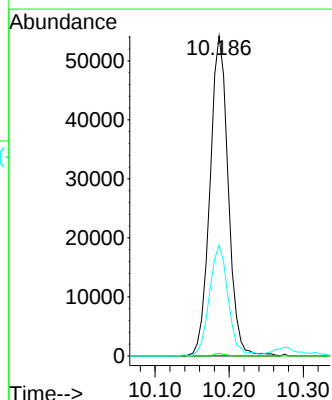
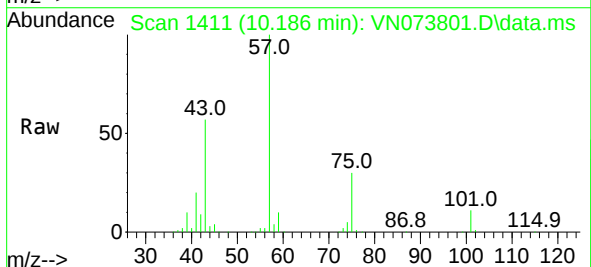
Instrument :
 MSVOA_N
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 PB146860TB

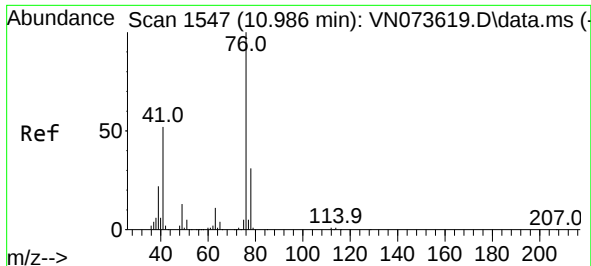
Tgt Ion: 75 Resp: 1850
 Ion Ratio Lower Upper
 75 100
 77 130.7 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 13.547 ug/l
 RT: 10.186 min Scan# 1411
 Delta R.T. 0.059 min
 Lab File: VN073801.D
 Acq: 10 Aug 2022 16:35

Tgt Ion: 75 Resp: 92716
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 34.6 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.858 ug/l

RT: 11.033 min Scan# 1412

Delta R.T. 0.047 min

Lab File: VN073801.D

Acq: 10 Aug 2022 16:35

Instrument :

MSVOA_N

ClientSampleId :

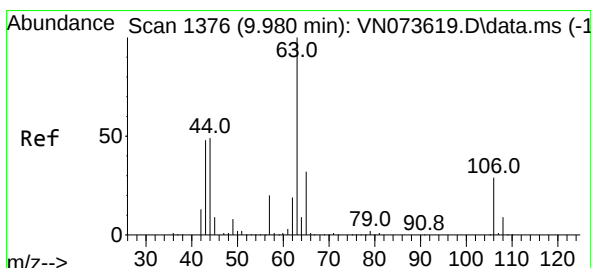
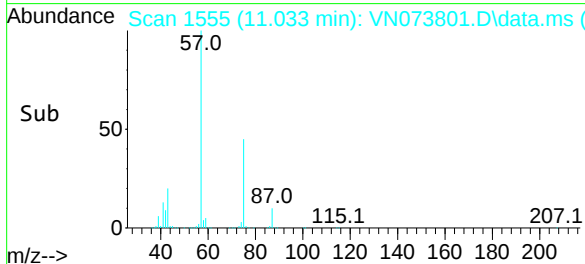
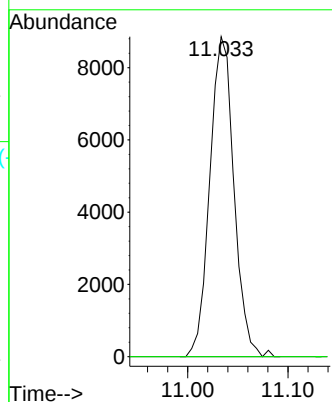
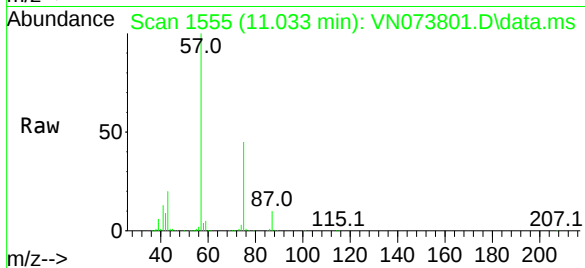
PB146860TB

Tgt Ion: 76 Resp: 14827

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#58

2-Chloroethyl Vinyl ether

Concen: 9.958 ug/l

RT: 10.192 min Scan# 1412

Delta R.T. 0.212 min

Lab File: VN073801.D

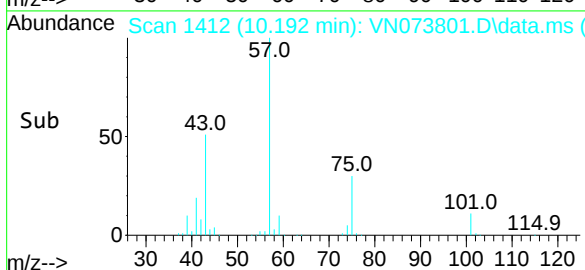
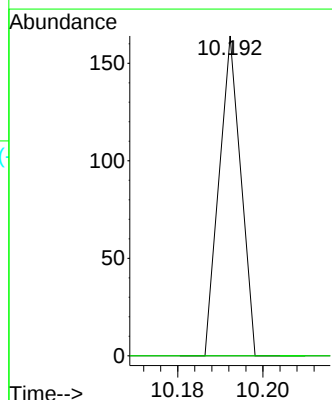
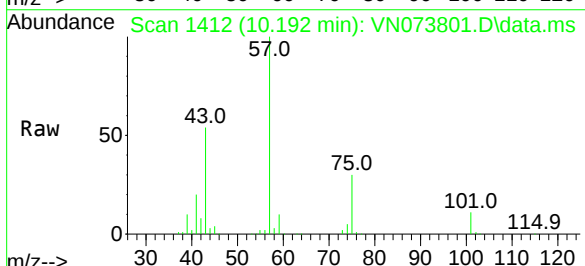
Acq: 10 Aug 2022 16:35

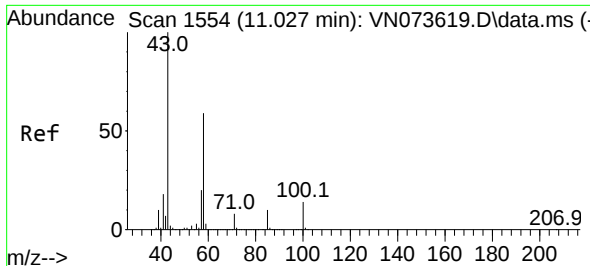
Tgt Ion: 63 Resp: 58

Ion Ratio Lower Upper

63 100

106 0.0 24.6 36.8#

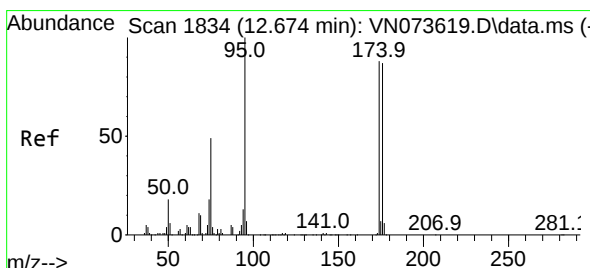
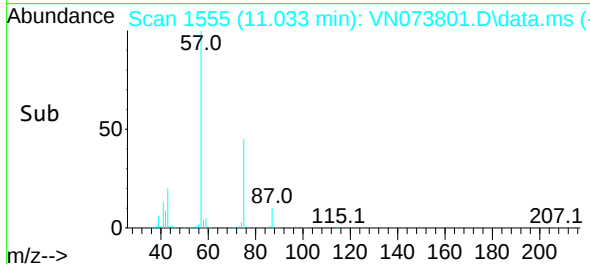
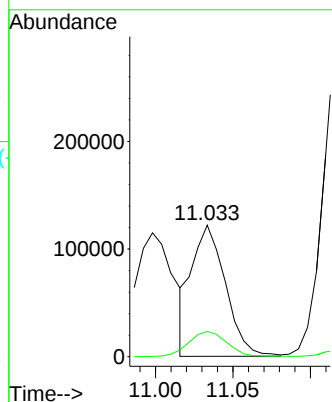
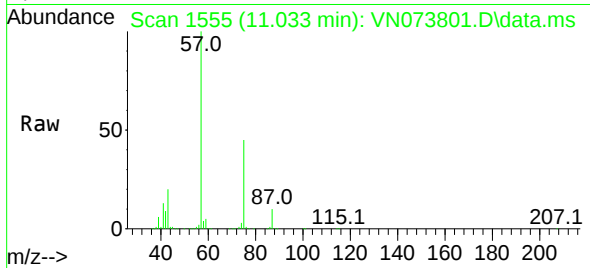




#59
2-Hexanone
Concen: 33.633 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

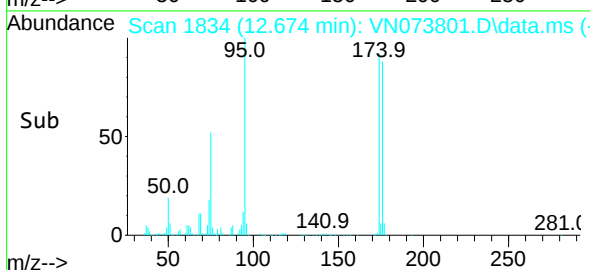
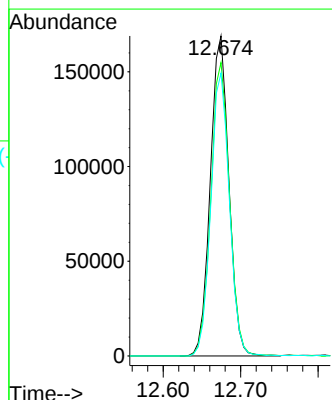
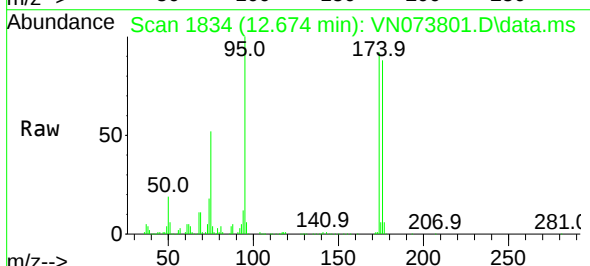
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

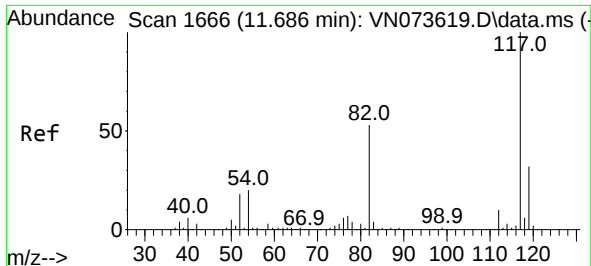
Tgt Ion: 43 Resp: 184857
Ion Ratio Lower Upper
43 100
58 22.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 51.042 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 95 Resp: 281640
Ion Ratio Lower Upper
95 100
174 92.0 0.0 167.6
176 87.9 0.0 163.4

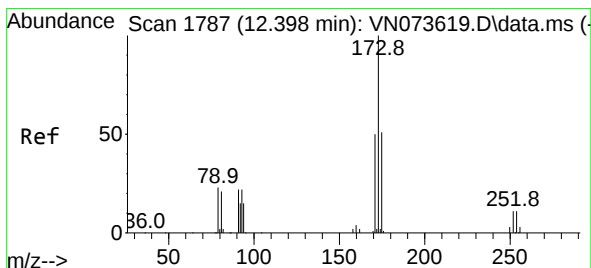
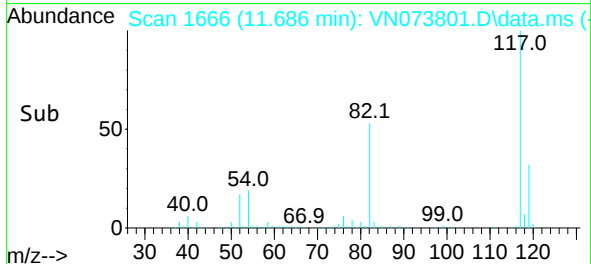
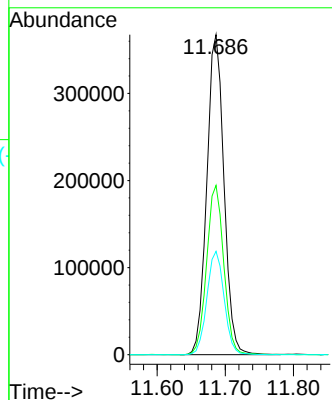
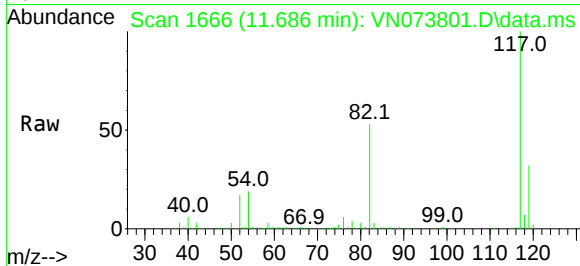




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

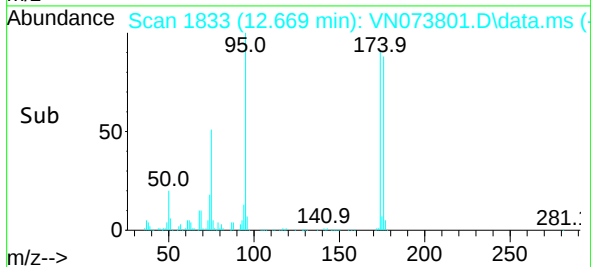
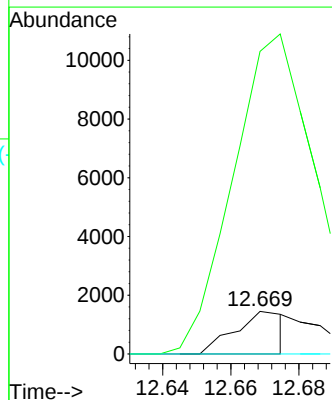
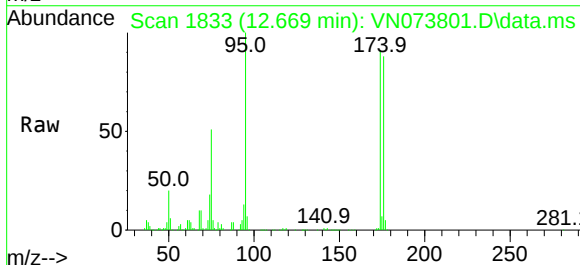
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

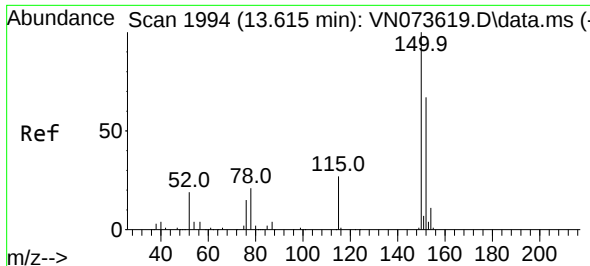
Tgt Ion:117 Resp: 643313
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.2
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.368 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion:173 Resp: 1489
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

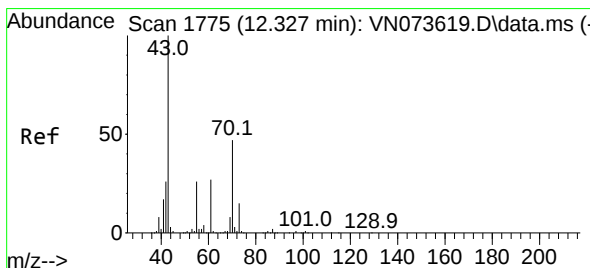
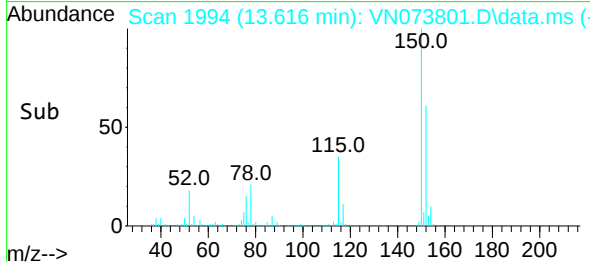
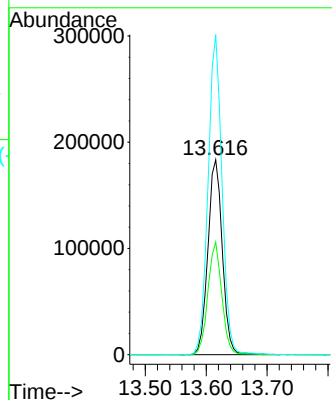
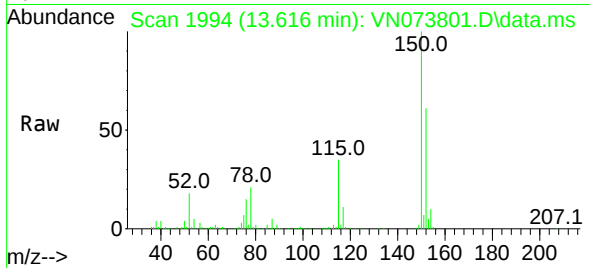




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

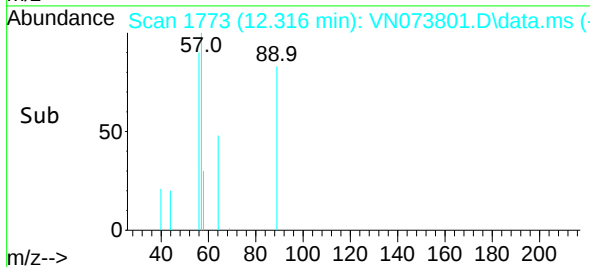
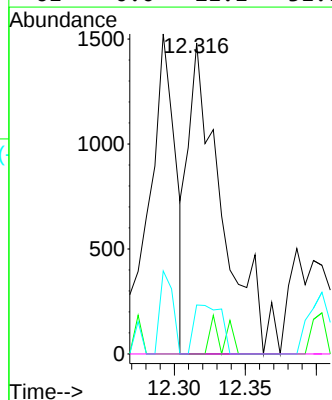
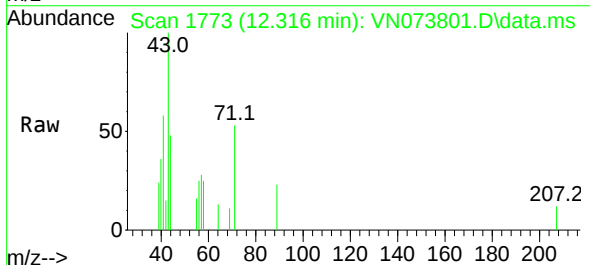
Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

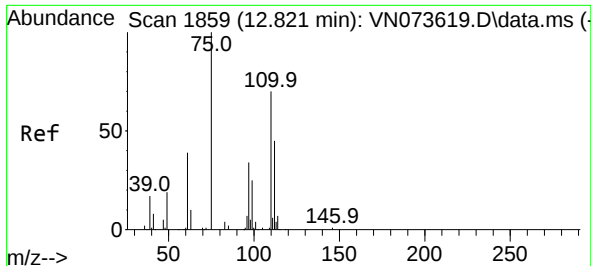
Tgt Ion:152 Resp: 302113
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 158.7 0.0 356.2



#74
N-ethyl acetate
Concen: 0.294 ug/l
RT: 12.316 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 43 Resp: 2454
Ion Ratio Lower Upper
43 100
70 4.9 39.0 58.4#
55 12.8 21.1 31.7#
61 0.0 21.1 31.7#

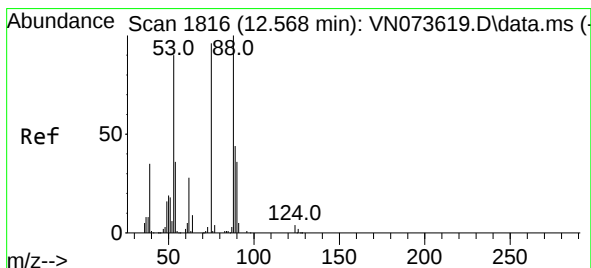
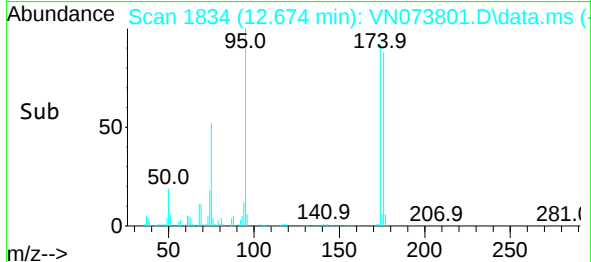
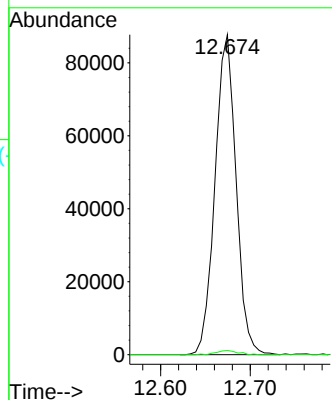
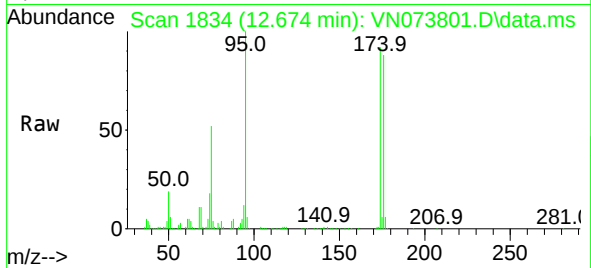




#76
1,2,3-Trichloropropane
Concen: 24.172 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Instrument :
MSVOA_N
ClientSampleId :
PB146860TB

Tgt Ion: 75 Resp: 142998
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.340 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073801.D
Acq: 10 Aug 2022 16:35

Tgt Ion: 75 Resp: 142998
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

