

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068839.D
 Acq On : 7 Oct 2021 14:16
 Operator : JC/MD
 Sample : PB139682ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#02

Quant Time: Oct 08 05:58:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

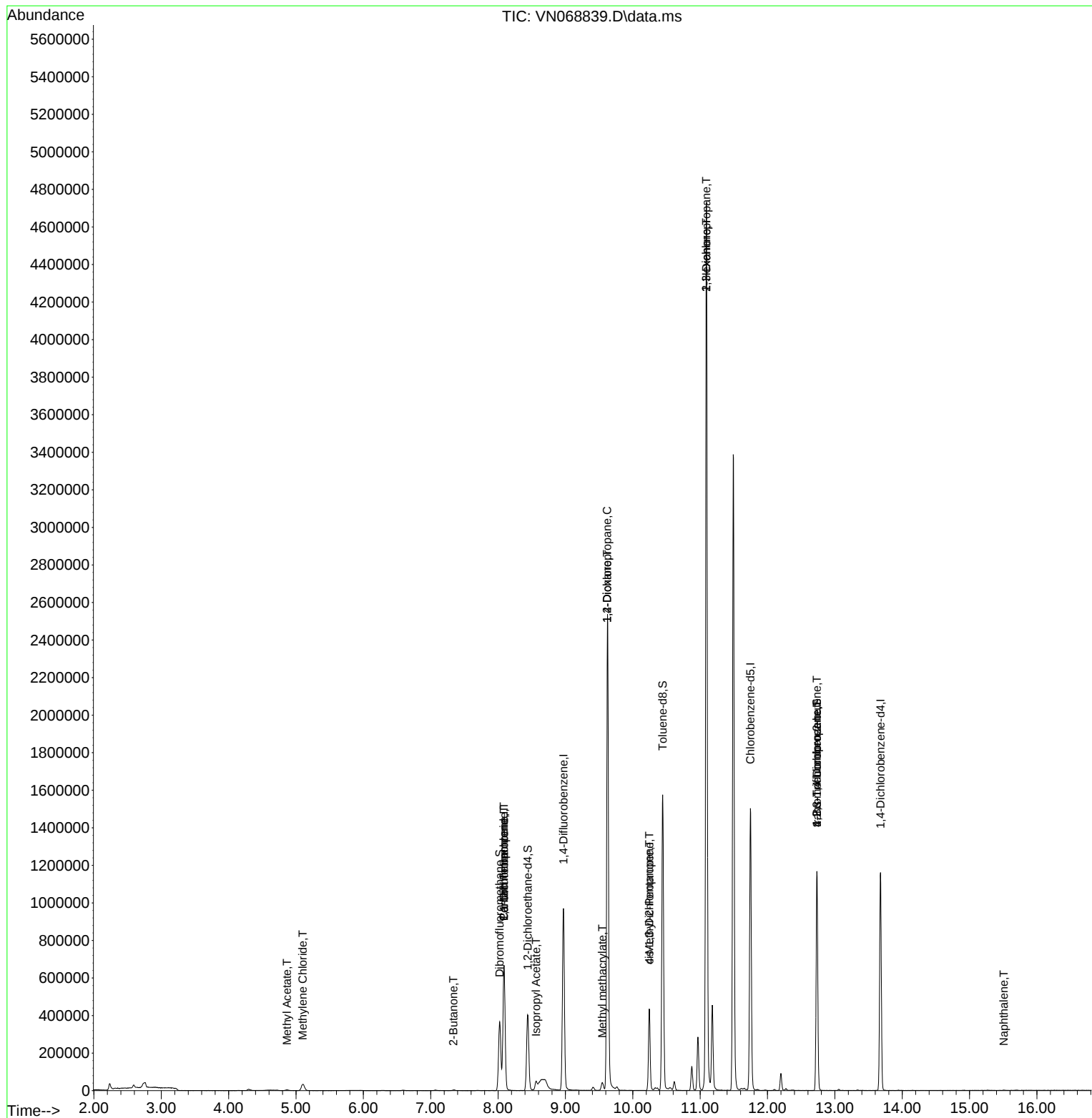
Internal Standards						
1) Pentafluorobenzene	8.088	168	479697	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	846142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	841570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	298763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	338493	48.016	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.040%		
35) Dibromofluoromethane	8.024	113	257695	46.364	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.720%		
50) Toluene-d8	10.443	98	1084398	50.029	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.733	95	364623	45.029	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.060%		
Target Compounds						
3) Chloromethane	2.306	50	1404	Below Cal	#	56
4) Vinyl Chloride	2.639	62	96	Below Cal	#	1
6) Chloroethane	3.022	64	273	Below Cal	#	44
16) Acetone	4.299	43	12852	Below Cal		100
17) Carbon Disulfide	4.551	76	116	Below Cal	#	74
18) Methyl Acetate	4.867	43	6361	0.913	ug/l #	62
20) Methylene Chloride	5.098	84	27471	3.072	ug/l	93
25) 2-Butanone	7.337	43	3152	0.979	ug/l #	90
31) Cyclohexane	8.086	56	12860	Below Cal	#	36
36) 1,1-Dichloropropene	8.088	75	42262	6.318	ug/l #	53
38) Carbon Tetrachloride	8.088	117	53001	6.579	ug/l #	17
43) Isopropyl Acetate	8.566	43	55797	4.807	ug/l #	87
45) 1,2-Dichloropropane	9.620	63	3016	0.557	ug/l #	44
48) Methyl methacrylate	9.547	41	10816	2.181	ug/l #	12
49) 1,4-Dioxane	9.620	88	401	3.716	ug/l #	1
51) 4-Methyl-2-Pentanone	10.245	43	167378	22.646	ug/l #	49
54) cis-1,3-Dichloropropene	10.245	75	72989	8.204	ug/l #	69
57) 1,3-Dichloropropane	11.092	76	49921	5.308	ug/l #	43
59) 2-Hexanone	11.092	43	715742	134.269	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	213958	36.330	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	213958	105.247	ug/l #	6
95) Naphthalene	15.507	128	2760	0.233	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.689	180	438	Below Cal	#	34

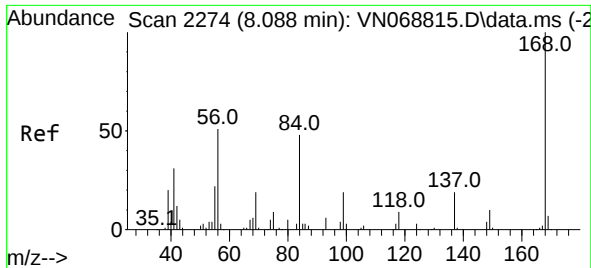
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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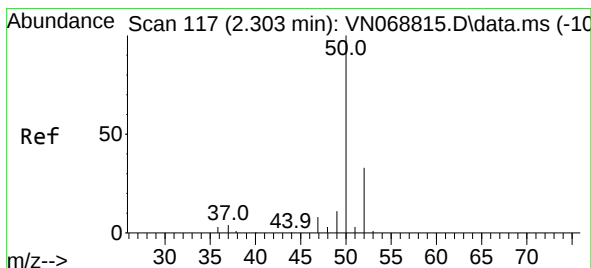
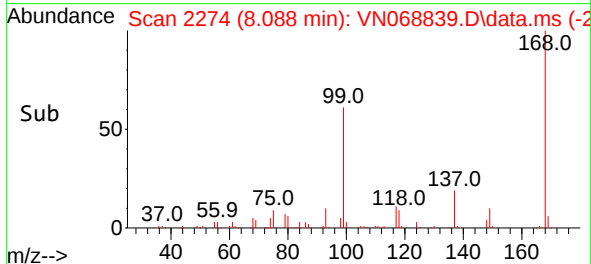
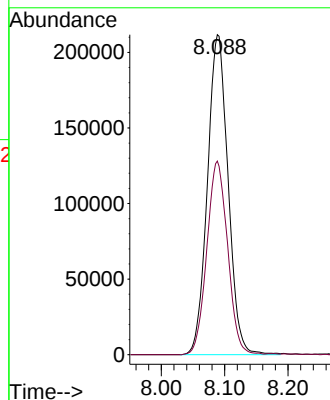
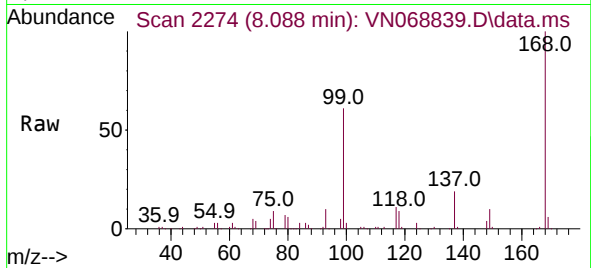




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

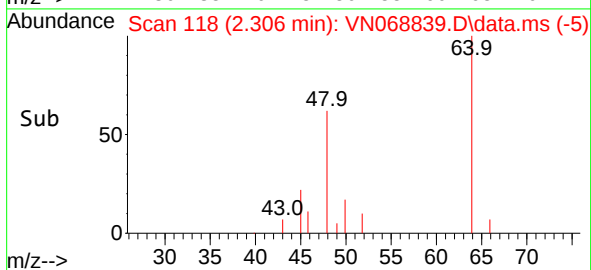
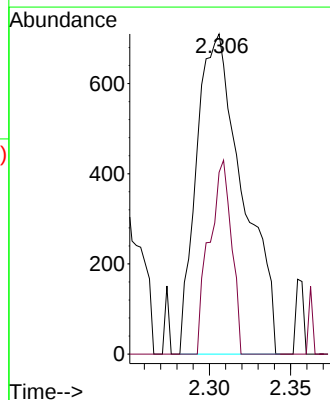
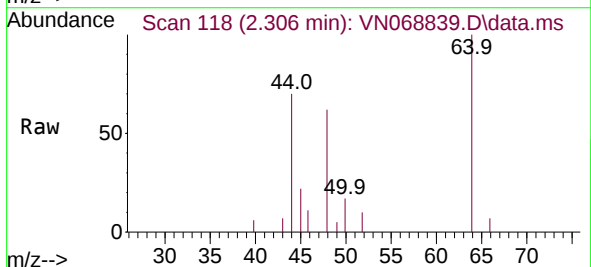
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

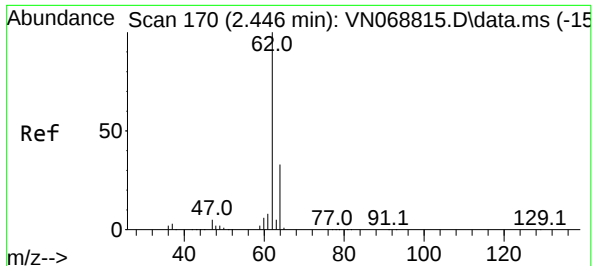
Tgt Ion:168 Resp: 479697
Ion Ratio Lower Upper
168 100
99 60.5 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 50 Resp: 1404
Ion Ratio Lower Upper
50 100
52 56.8 25.6 38.4#

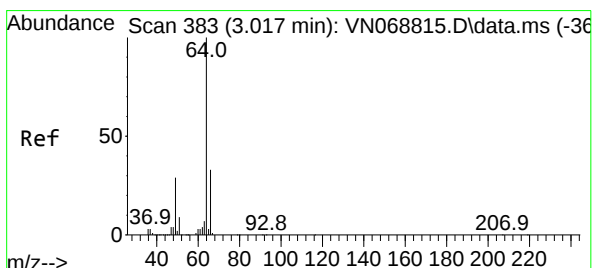
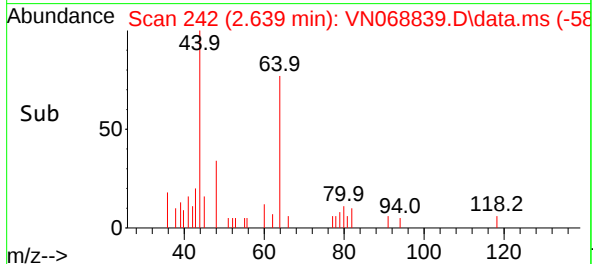
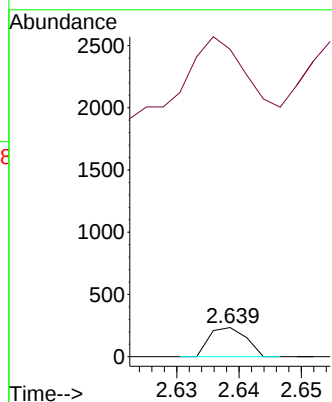
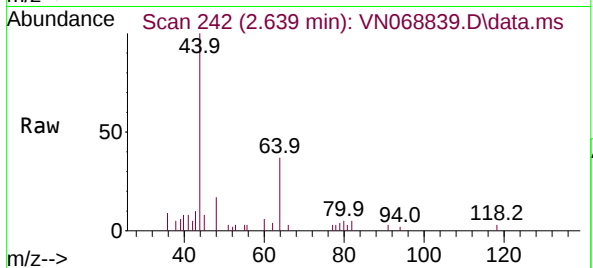




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.639 min Scan# 242
 Delta R.T. 0.193 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

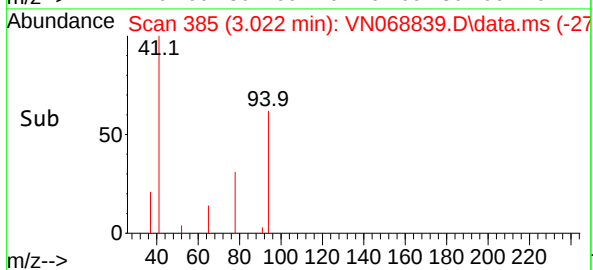
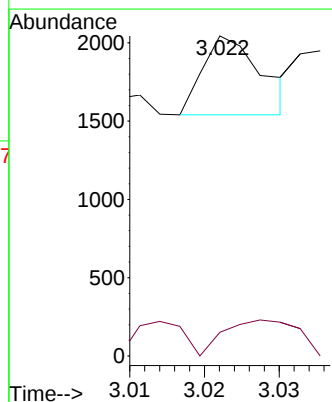
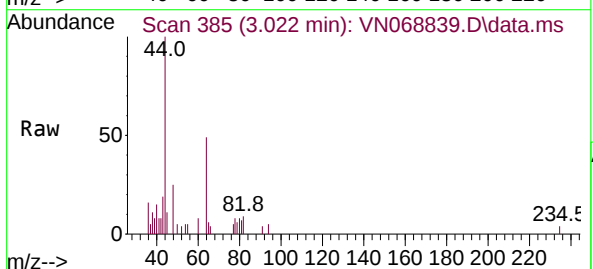
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#02

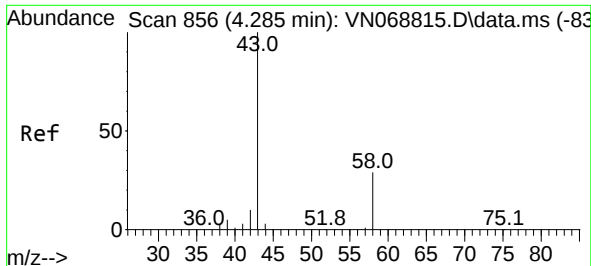
Tgt Ion: 62 Resp: 96
 Ion Ratio Lower Upper
 62 100
 64 198.7 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.022 min Scan# 385
 Delta R.T. 0.005 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

Tgt Ion: 64 Resp: 273
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#

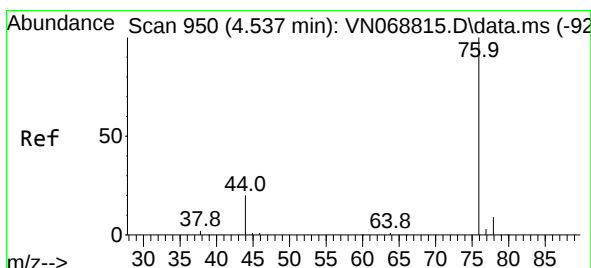
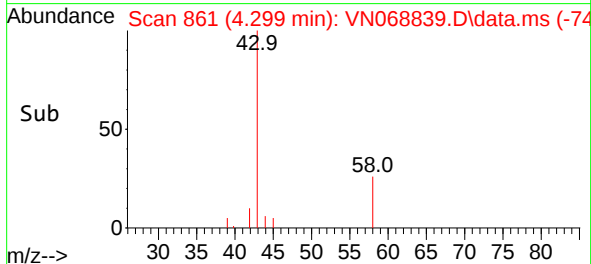
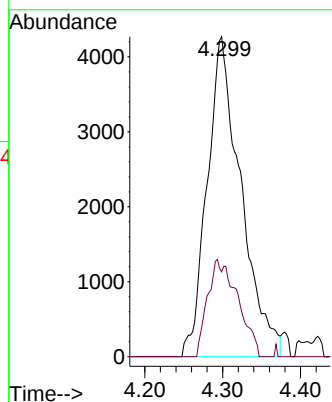
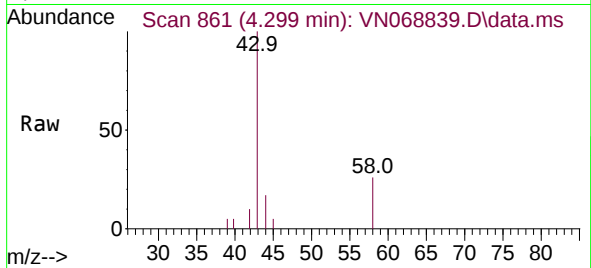




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

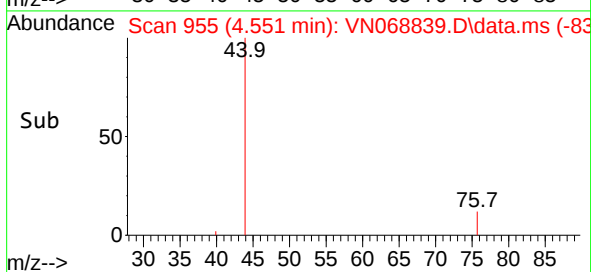
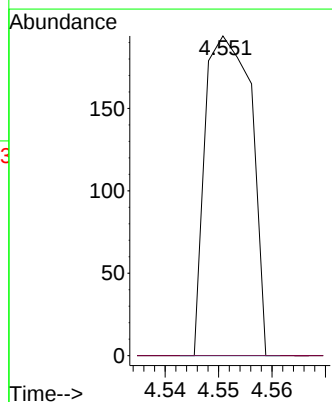
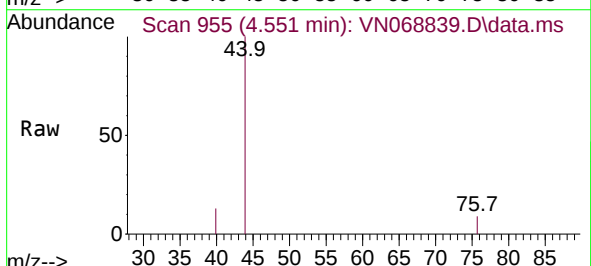
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

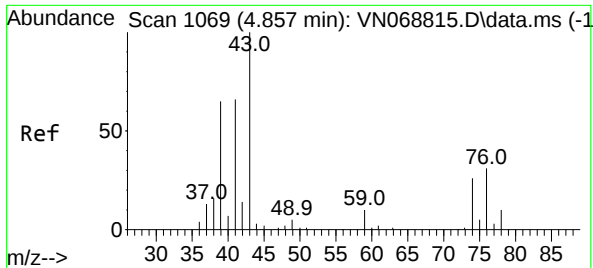
Tgt Ion: 43 Resp: 12852
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.551 min Scan# 955
Delta R.T. 0.014 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 76 Resp: 116
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

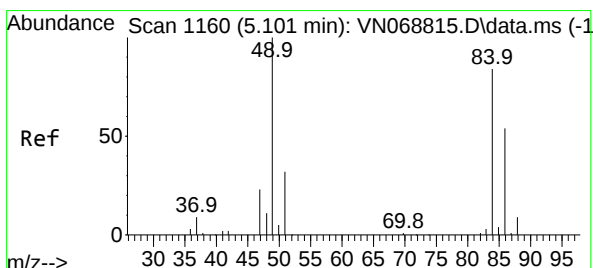
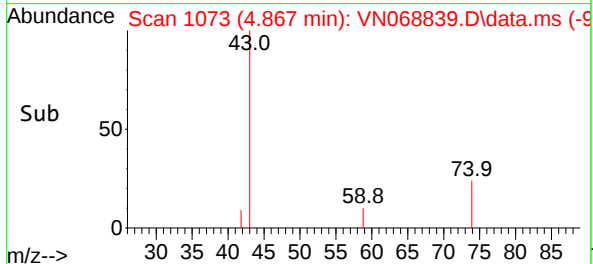
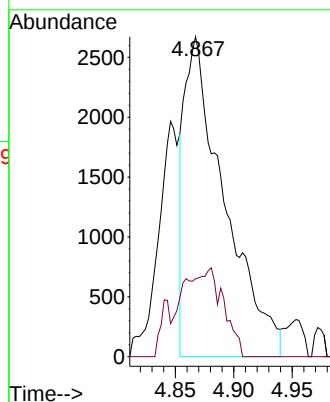
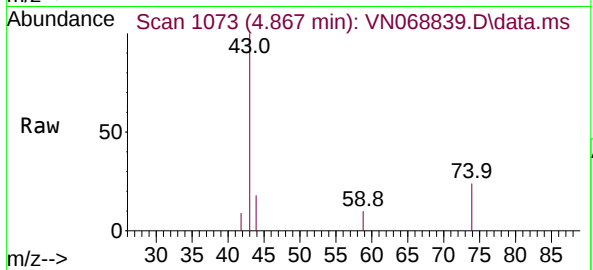




#18
Methyl Acetate
Concen: 0.913 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

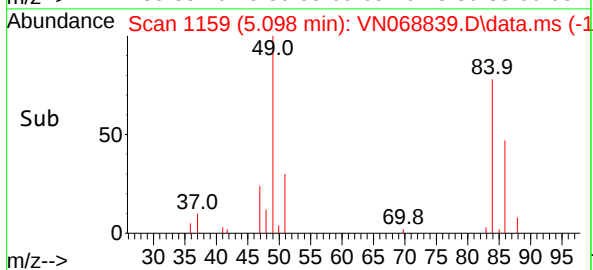
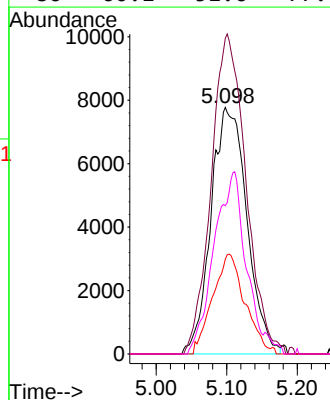
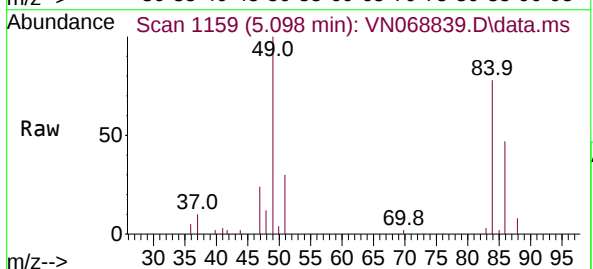
Instrument :
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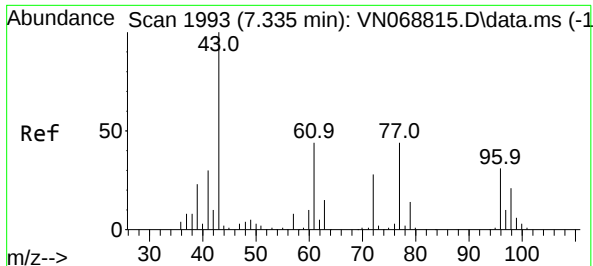
Tgt Ion: 43 Resp: 6361
Ion Ratio Lower Upper
43 100
74 3.6 17.4 26.0#



#20
Methylene Chloride
Concen: 3.072 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 84 Resp: 27471
Ion Ratio Lower Upper
84 100
49 128.0 110.9 166.3
51 38.5 32.6 49.0
86 60.1 51.6 77.4

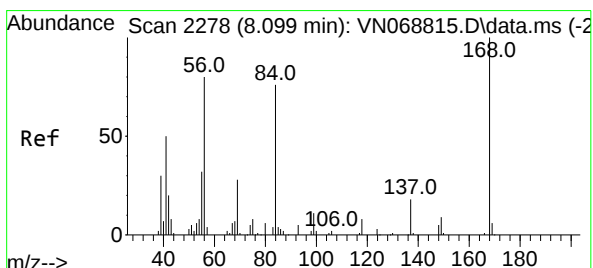
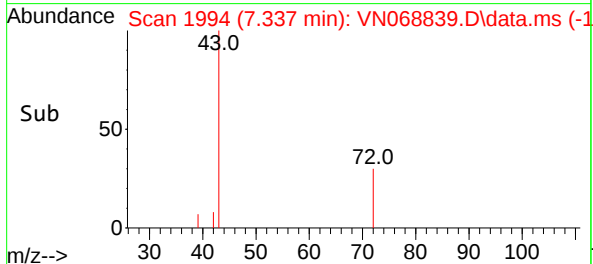
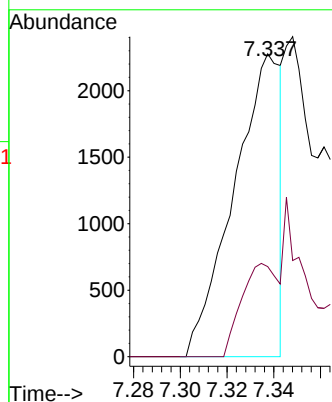
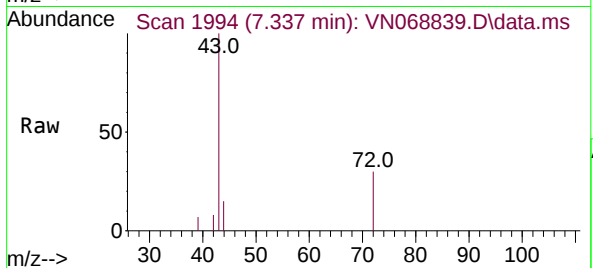




#25
2-Butanone
Concen: 0.979 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

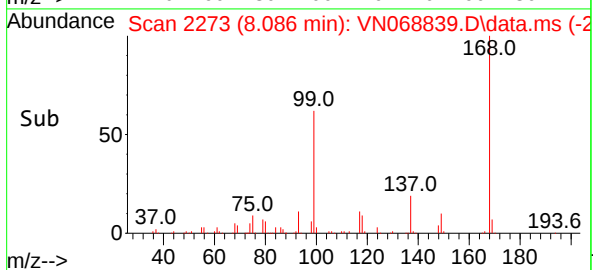
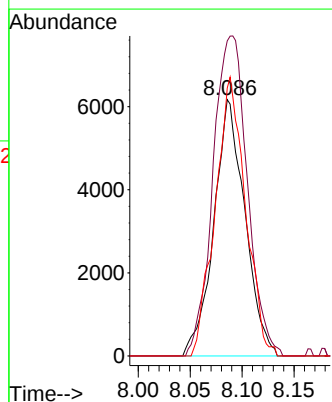
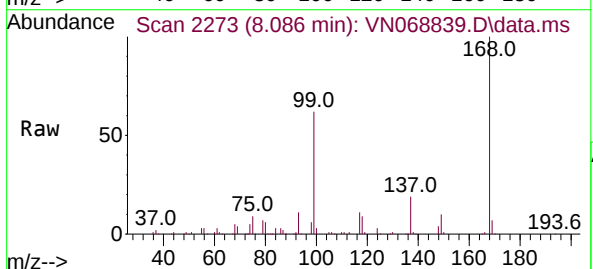
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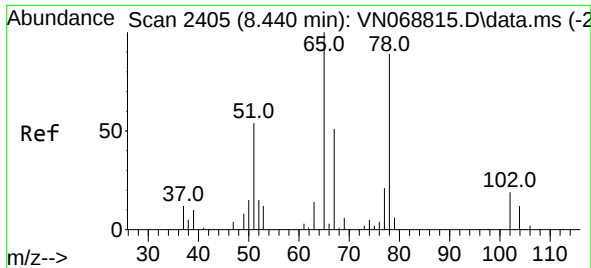
Tgt Ion: 43 Resp: 3152
Ion Ratio Lower Upper
43 100
72 29.7 19.7 29.5#



#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 56 Resp: 12860
Ion Ratio Lower Upper
56 100
69 123.0 27.3 40.9#
84 104.5 64.9 97.3#

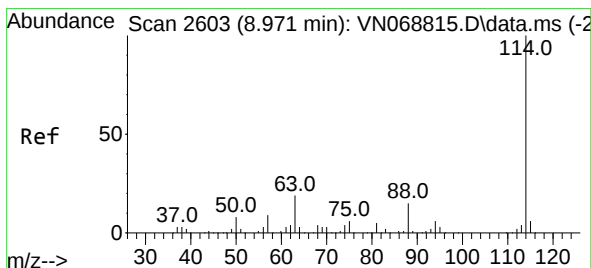
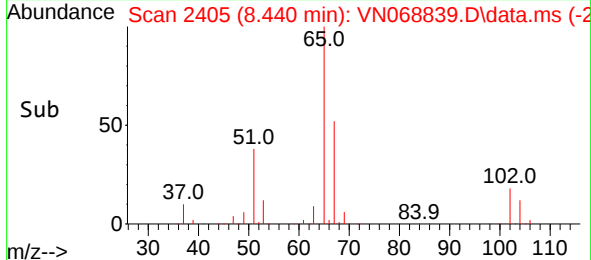
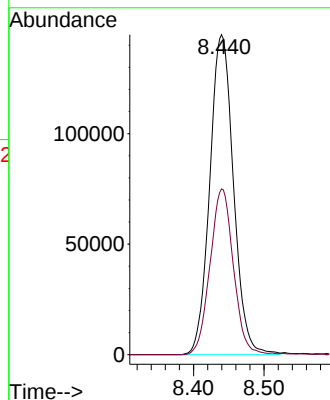
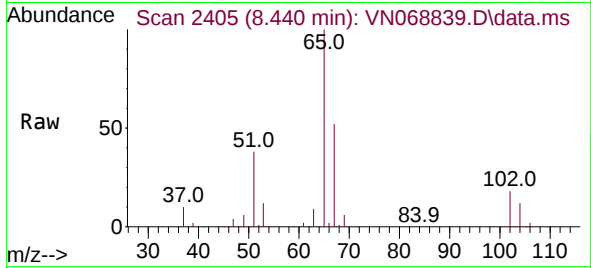




#33
 1,2-Dichloroethane-d4
 Concen: 48.016 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

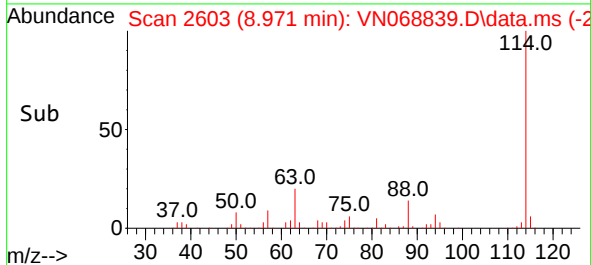
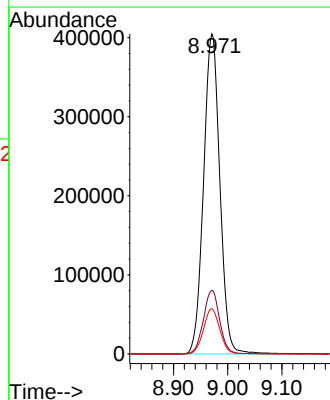
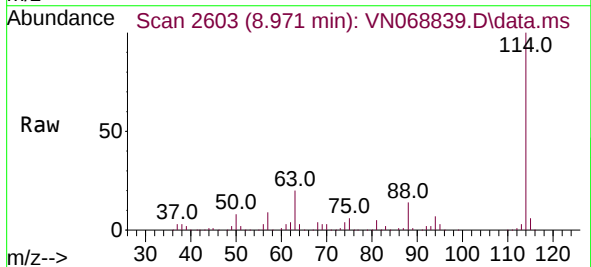
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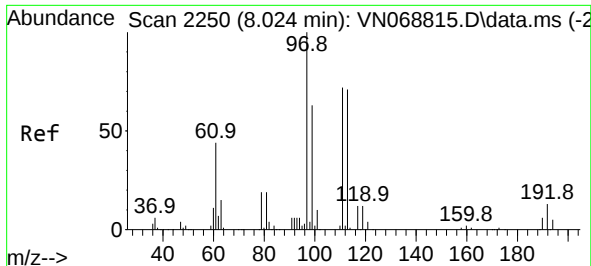
Tgt Ion: 65 Resp: 338493
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

Tgt Ion: 114 Resp: 846142
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 49.0
 88 14.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.364 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN068839.D

Acq: 7 Oct 2021 14:16

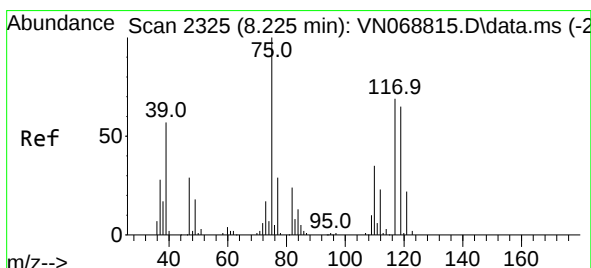
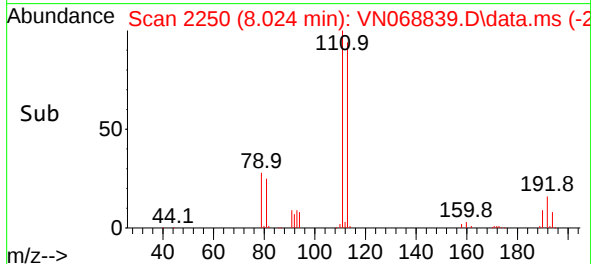
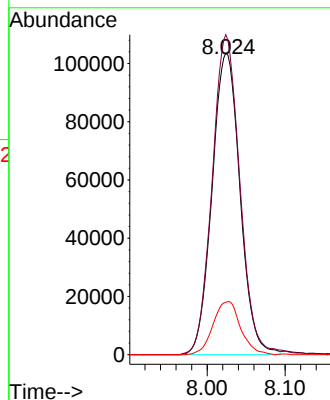
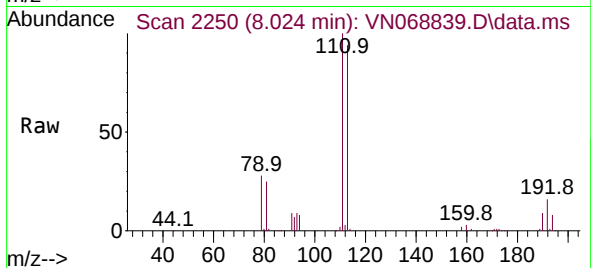
Tgt Ion:113 Resp: 257695

Ion Ratio Lower Upper

113 100

111 105.5 83.8 125.8

192 17.4 13.4 20.0



#36

1,1-Dichloropropene

Concen: 6.318 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.137 min

Lab File: VN068839.D

Acq: 7 Oct 2021 14:16

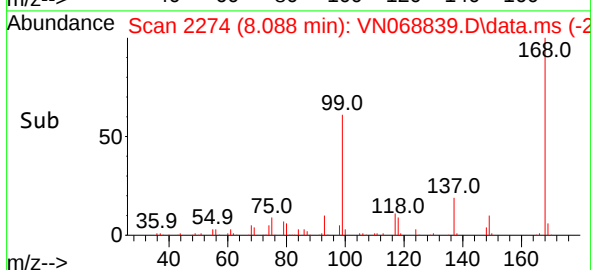
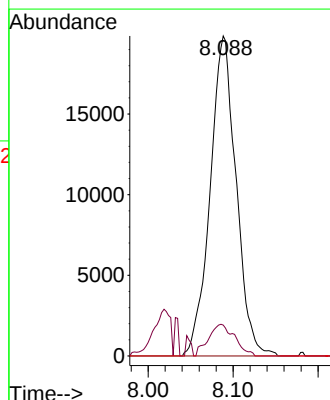
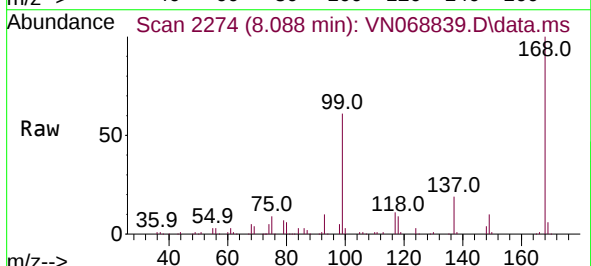
Tgt Ion: 75 Resp: 42262

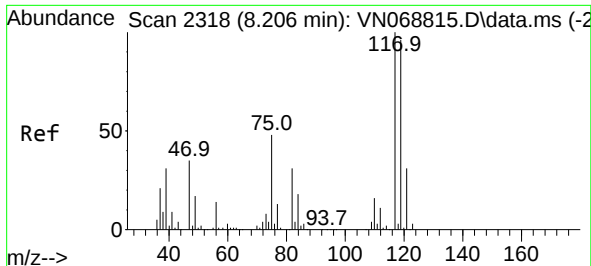
Ion Ratio Lower Upper

75 100

110 10.0 15.7 47.0#

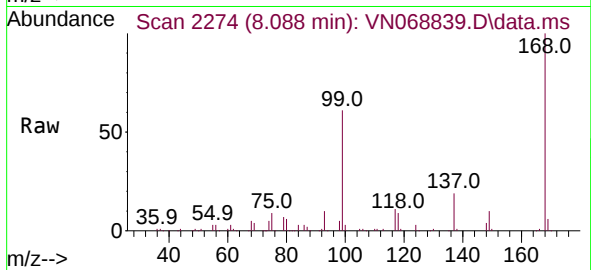
77 0.0 24.6 37.0#



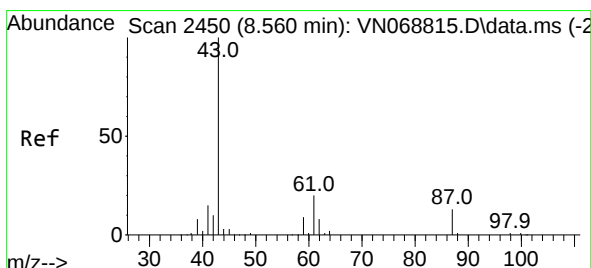
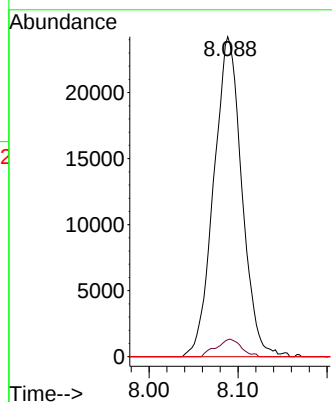
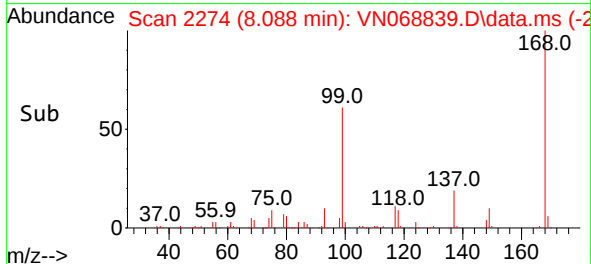


#38
Carbon Tetrachloride
Concen: 6.579 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

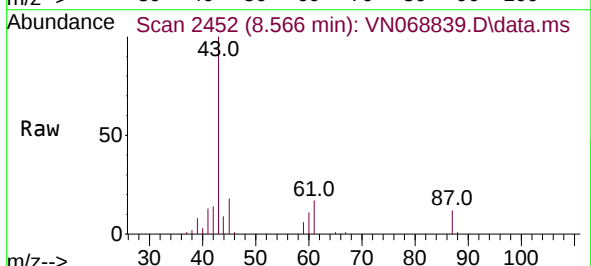
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02



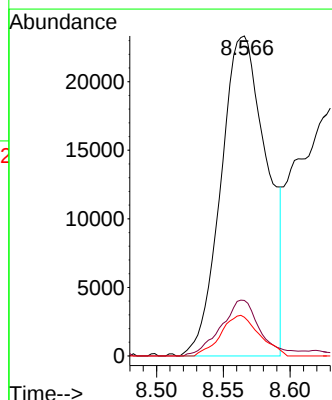
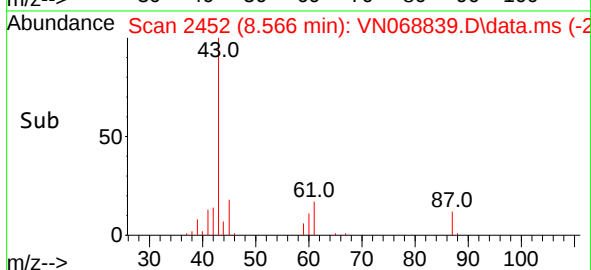
Tgt Ion:117 Resp: 53001
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

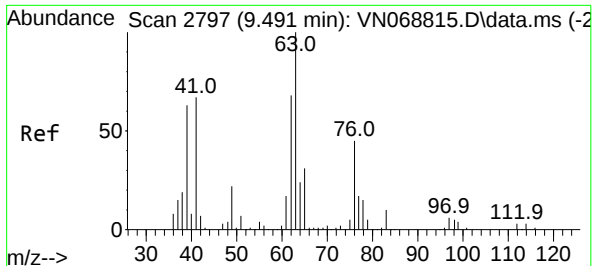


#43
Isopropyl Acetate
Concen: 4.807 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16



Tgt Ion: 43 Resp: 55797
Ion Ratio Lower Upper
43 100
61 15.0 19.0 28.4#
87 10.6 9.5 14.3



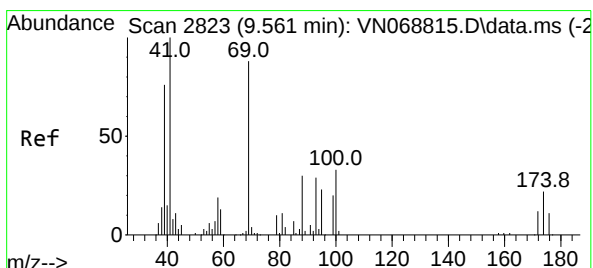
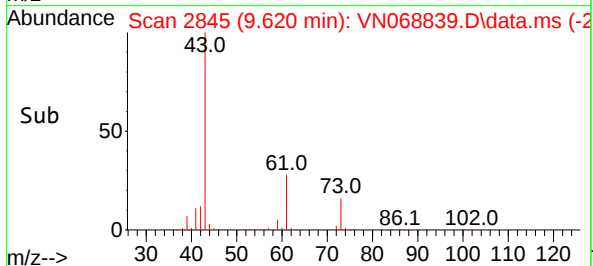
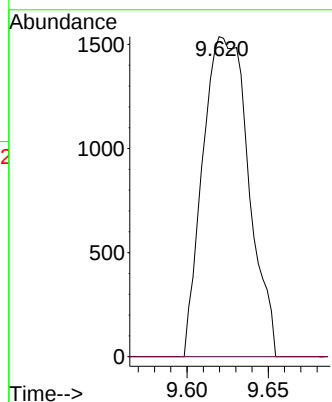
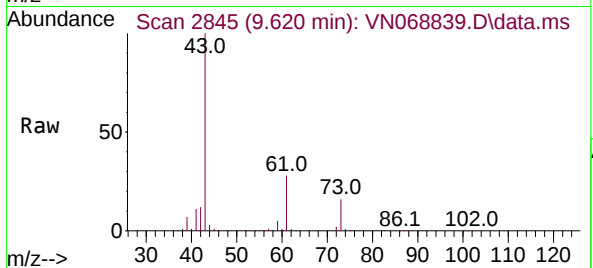


#45

1,2-Dichloropropane
Concen: 0.557 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

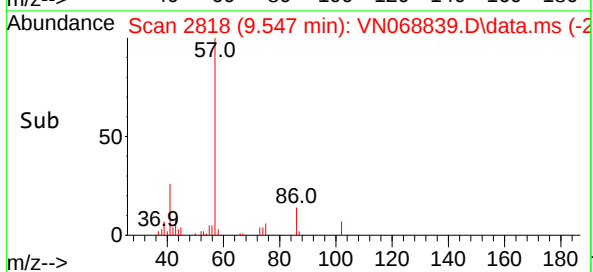
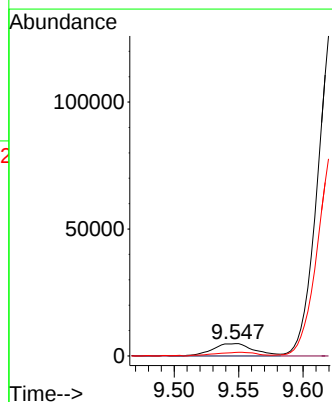
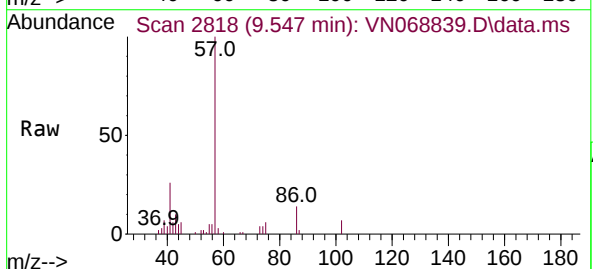
Tgt Ion: 63 Resp: 3016
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

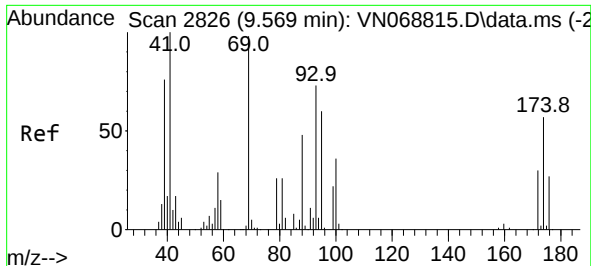


#48

Methyl methacrylate
Concen: 2.181 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 41 Resp: 10816
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 3.716 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN068839.D

Acq: 7 Oct 2021 14:16

Instrument :

MSVOA_N

ClientSampleId :

PB139682ZHE#02

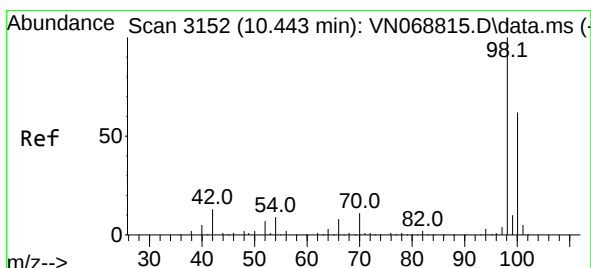
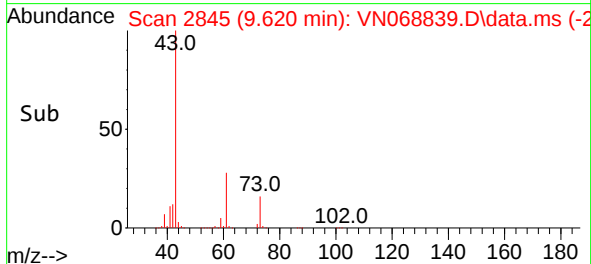
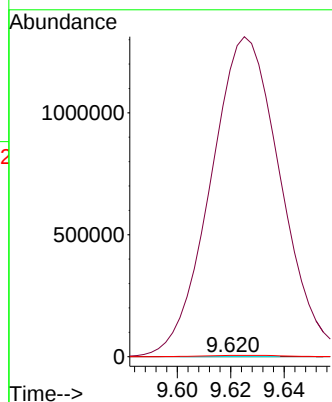
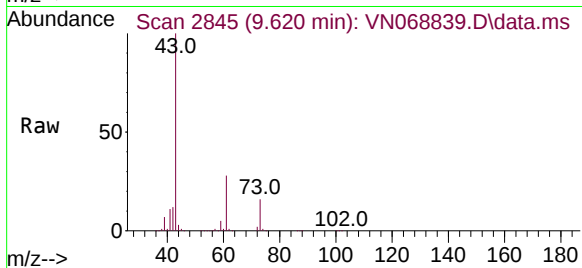
Tgt Ion: 88 Resp: 401

Ion Ratio Lower Upper

88 100

43 611590.3 28.8 43.2#

58 2822.4 60.4 90.6#



#50

Toluene-d8

Concen: 50.029 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068839.D

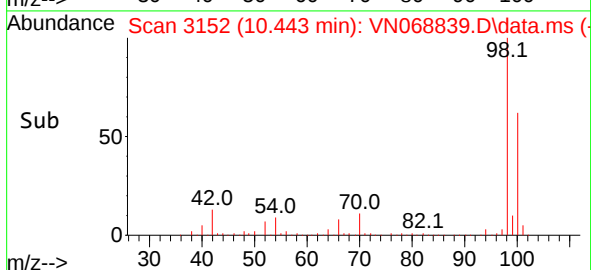
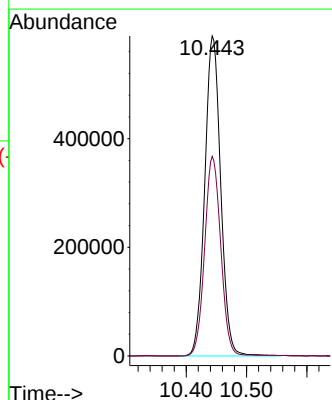
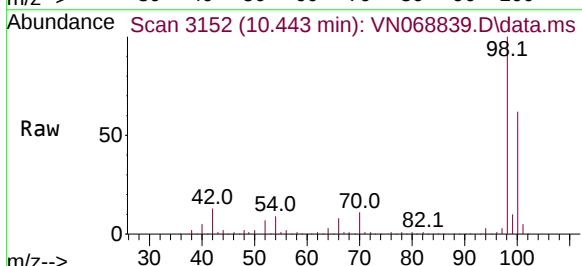
Acq: 7 Oct 2021 14:16

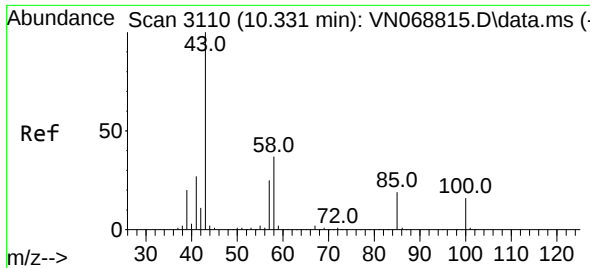
Tgt Ion: 98 Resp: 1084398

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5

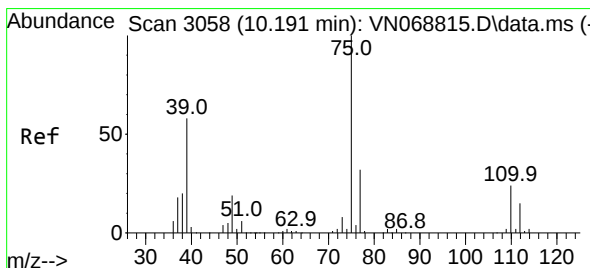
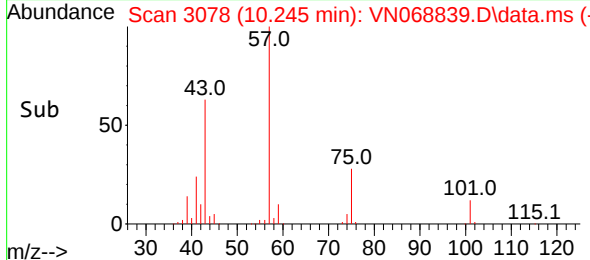
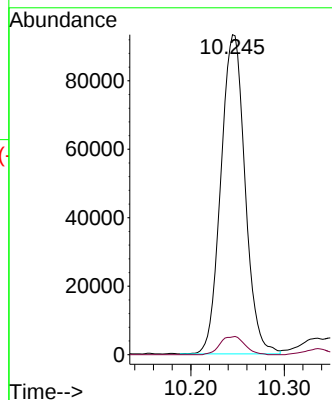
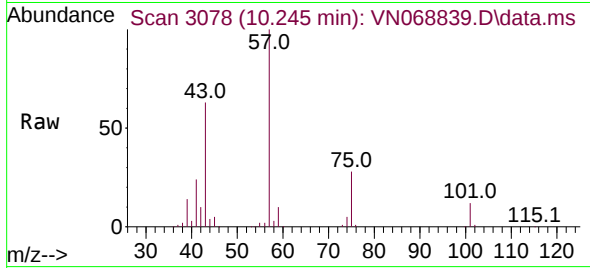




#51
4-Methyl-2-Pentanone
Concen: 22.646 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. -0.086 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

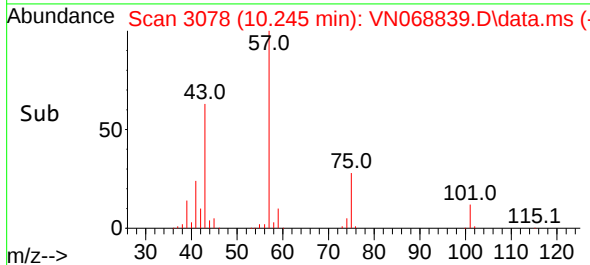
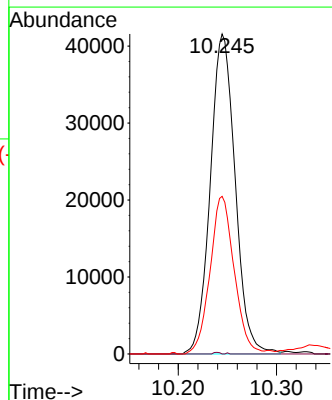
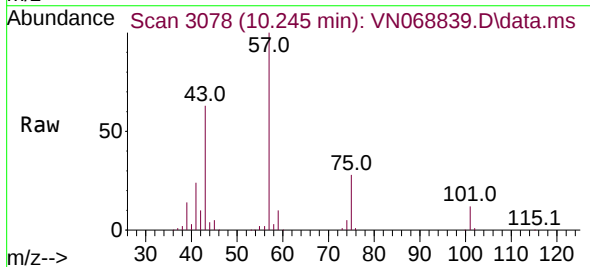
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

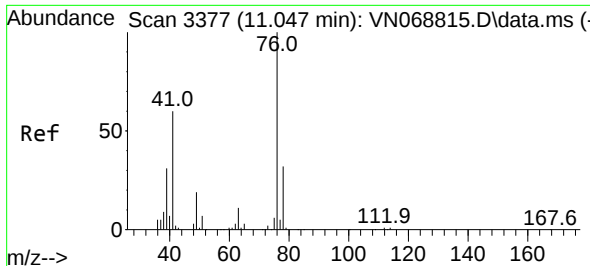
Tgt Ion: 43 Resp: 167378
Ion Ratio Lower Upper
43 100
58 5.9 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.204 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 75 Resp: 72989
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 49.3 50.7 76.1#

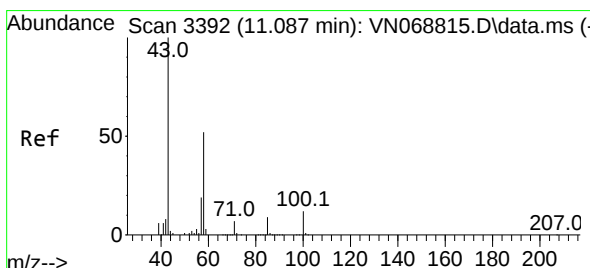
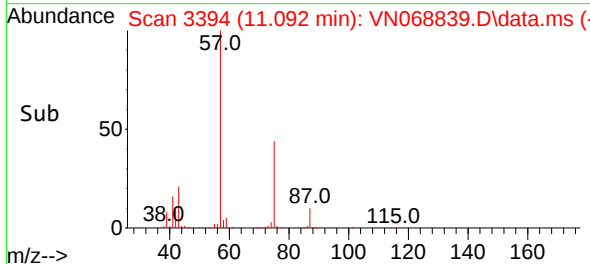
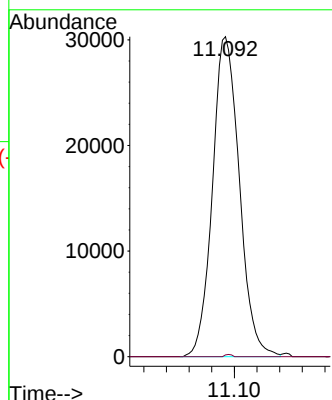
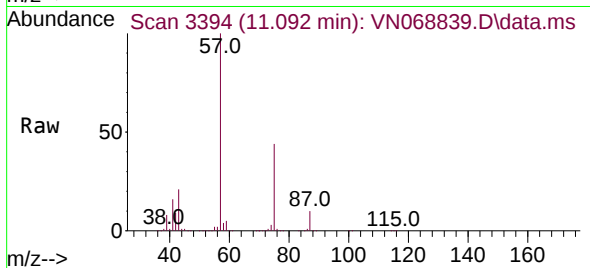




#57
1,3-Dichloropropane
Concen: 5.308 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

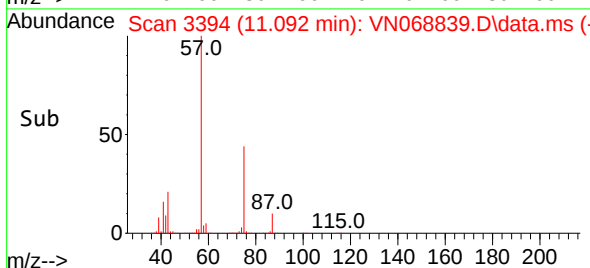
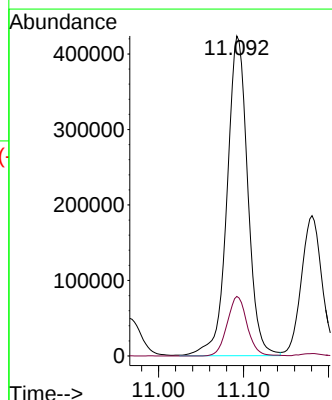
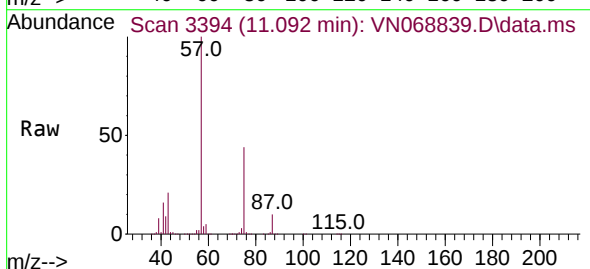
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

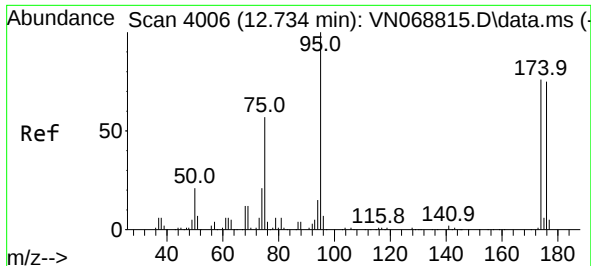
Tgt Ion: 76 Resp: 49921
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 134.269 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 43 Resp: 715742
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#

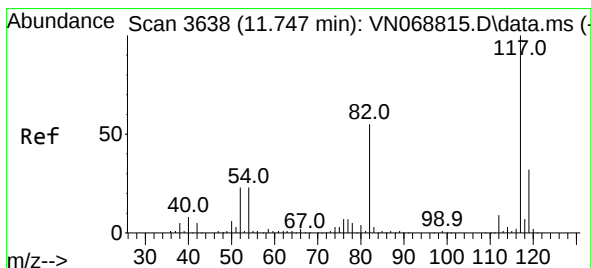
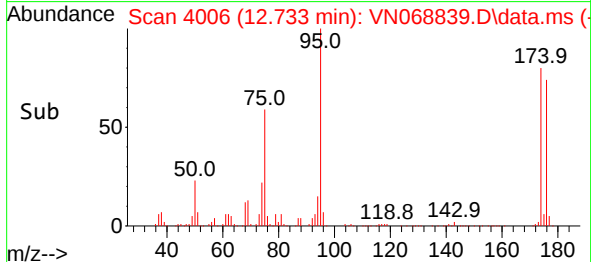
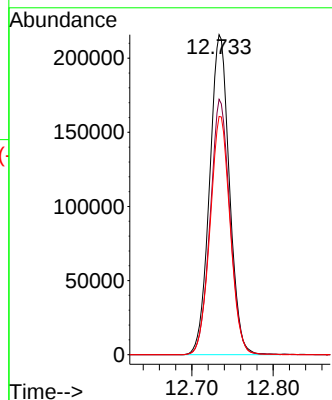
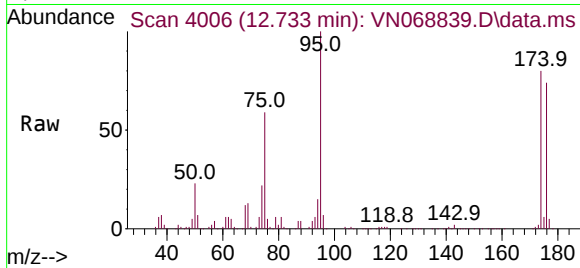




#62
4-Bromofluorobenzene
Concen: 45.029 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

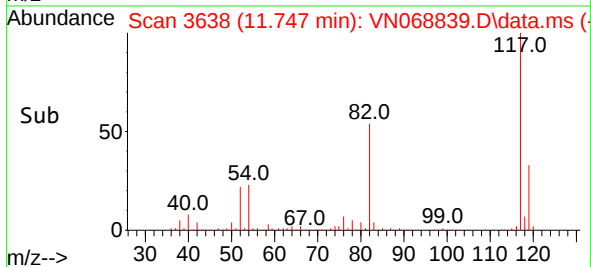
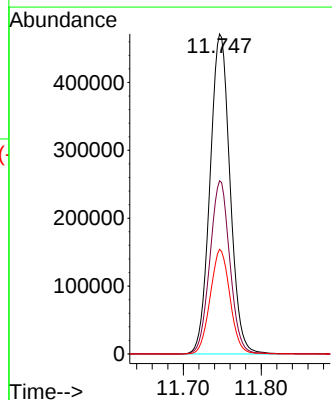
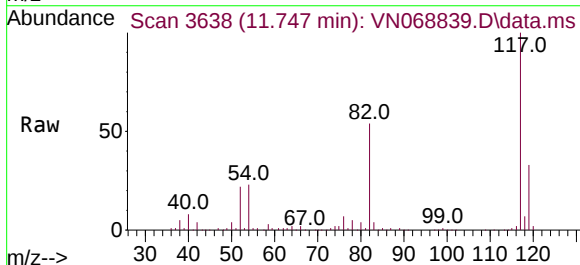
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

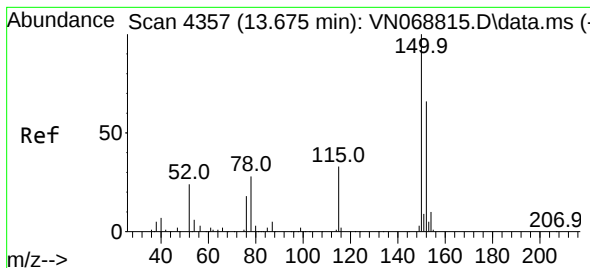
Tgt Ion: 95 Resp: 364623
Ion Ratio Lower Upper
95 100
174 79.8 0.0 122.0
176 75.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 117 Resp: 841570
Ion Ratio Lower Upper
117 100
82 54.1 53.1 79.7
119 32.7 25.5 38.3

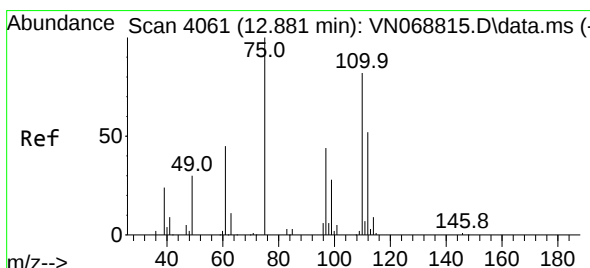
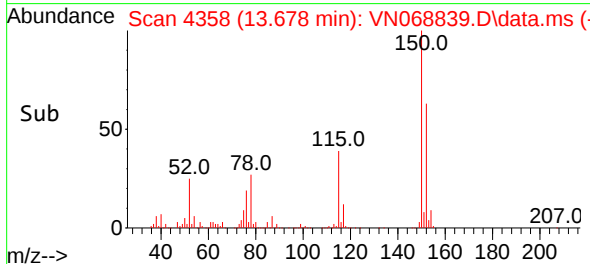
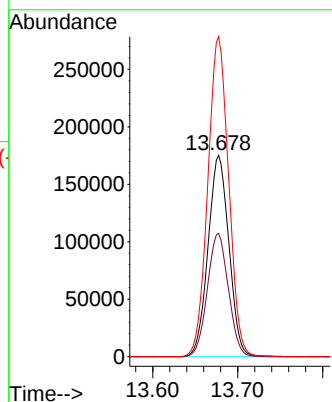
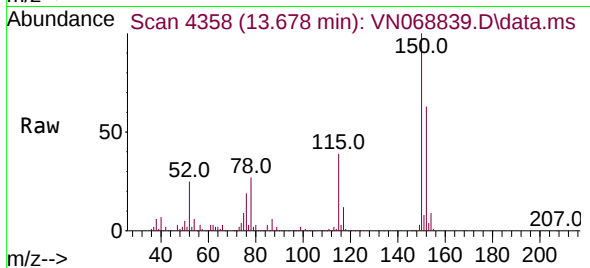




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

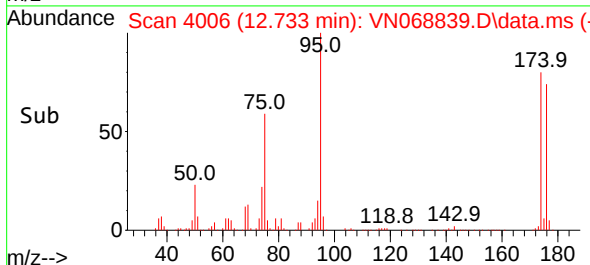
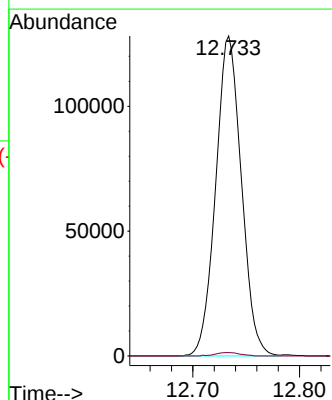
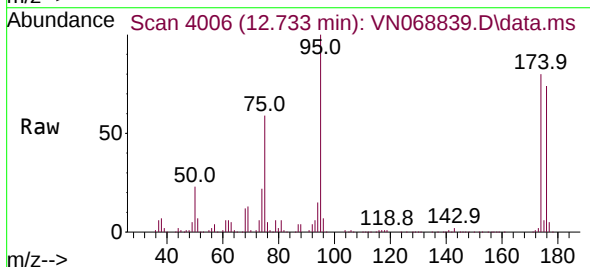
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#02

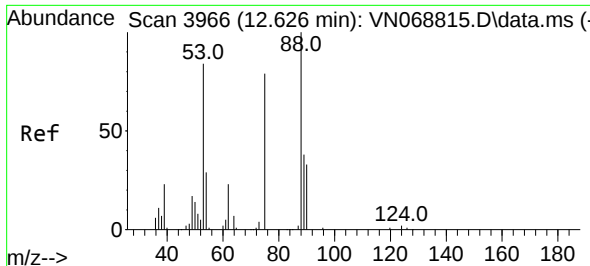
Tgt Ion:152 Resp: 298763
 Ion Ratio Lower Upper
 152 100
 115 61.5 36.1 108.5
 150 158.8 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 36.330 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068839.D
 Acq: 7 Oct 2021 14:16

Tgt Ion: 75 Resp: 213958
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

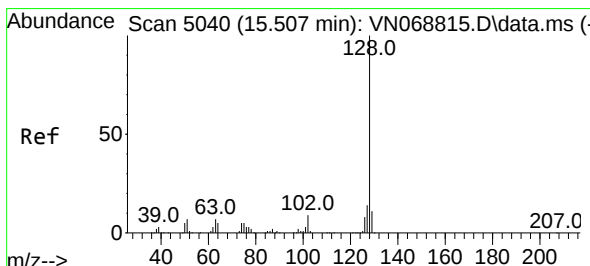
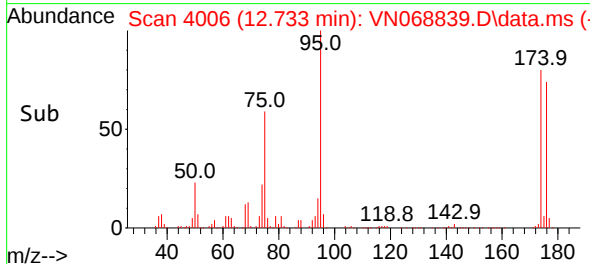
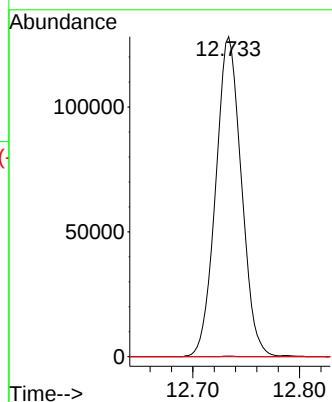
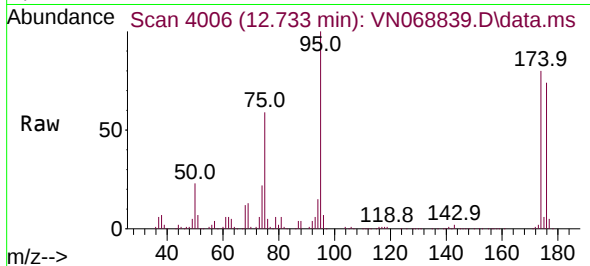




#81
trans-1,4-Dichloro-2-butene
Concen: 105.247 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#02

Tgt Ion: 75 Resp: 213958
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 0.233 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068839.D
Acq: 7 Oct 2021 14:16

Tgt Ion: 128 Resp: 2760
Ion Ratio Lower Upper
128 100
127 0.9 10.6 15.8#
129 7.7 8.6 12.8#

