

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083071.D
 Acq On : 30 Jul 2024 16:38
 Operator : JC\MD
 Sample : PB162324ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:03:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

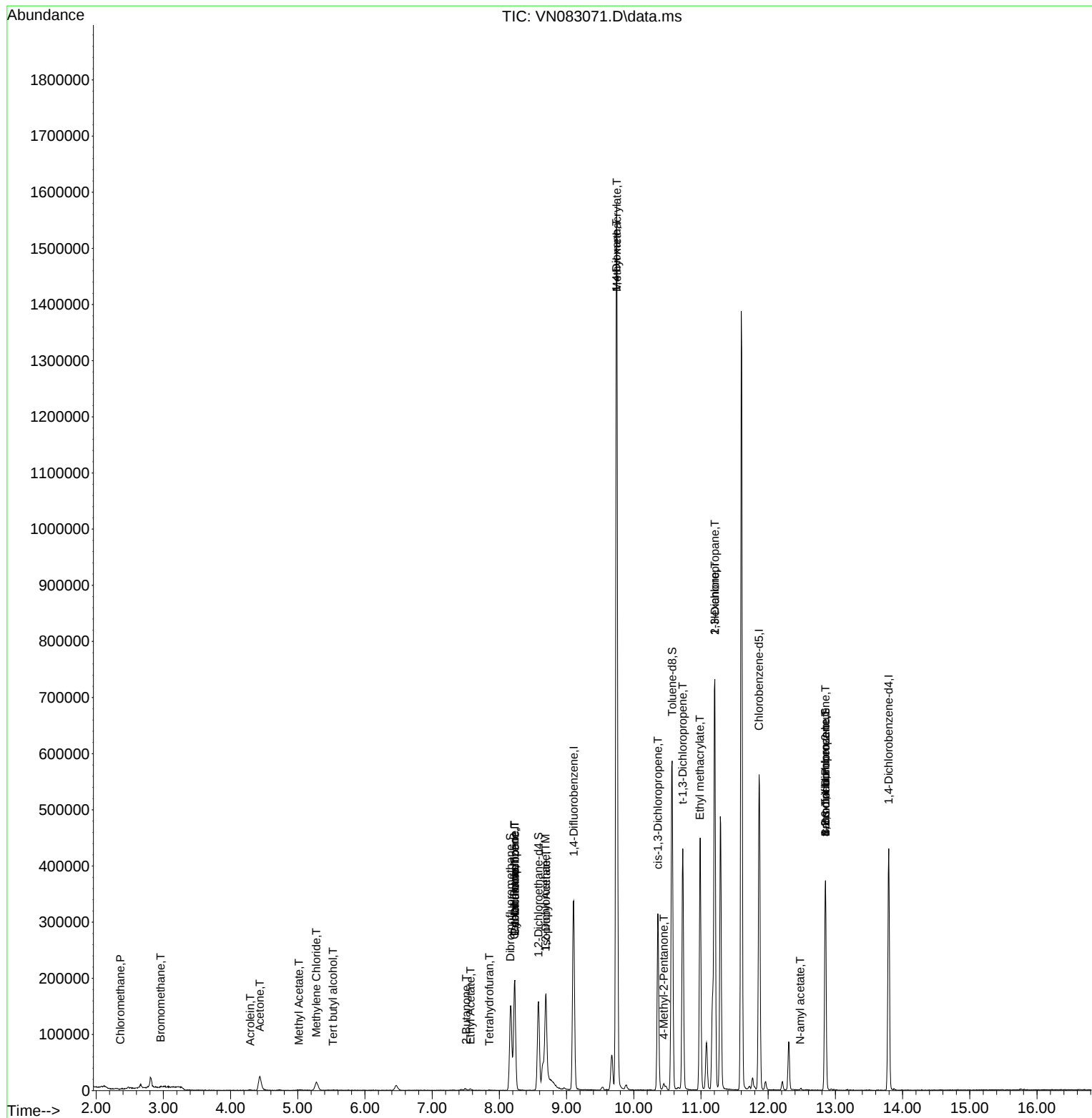
Internal Standards						
1) Pentafluorobenzene	8.229	168	129299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	129191	71.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 142.560%#			
35) Dibromofluoromethane	8.165	113	109035	59.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.600%			
50) Toluene-d8	10.571	98	395407	58.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 117.440%#			
62) 4-Bromofluorobenzene	12.853	95	115300	47.664	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.320%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	428	0.270	ug/l #	74
5) Bromomethane	2.959	94	263	0.219	ug/l	100
11) Tert butyl alcohol	5.524	59	283	0.928	ug/l #	71
13) Acrolein	4.294	56	130	0.591	ug/l #	14
16) Acetone	4.436	43	48484	75.977	ug/l	96
18) Methyl Acetate	5.018	43	1012	0.599	ug/l #	64
20) Methylene Chloride	5.277	84	11913	7.730	ug/l #	75
25) 2-Butanone	7.506	43	4529	4.700	ug/l #	86
29) Tetrahydrofuran	7.853	42	174	0.287	ug/l #	38
31) Cyclohexane	8.229	56	3926	1.657	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	11858	4.717	ug/l #	51
37) Ethyl Acetate	7.571	43	4308	1.683	ug/l #	80
38) Carbon Tetrachloride	8.224	117	15169	5.012	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1076	0.387	ug/l #	78
43) Isopropyl Acetate	8.694	43	235594	48.746	ug/l #	84
48) Methyl methacrylate	9.747	41	152558	76.022	ug/l #	54
49) 1,4-Dioxane	9.741	88	152	4.048	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11764	4.637	ug/l #	80
53) t-1,3-Dichloropropene	10.729	75	1172	0.391	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	51145	16.141	ug/l #	69
56) Ethyl methacrylate	10.982	69	2757	0.998	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7473	2.377	ug/l #	43
59) 2-Hexanone	11.206	43	99911	52.964	ug/l #	58
71) Bromoform	12.853	173	1293	0.687	ug/l #	1
74) N-amyl acetate	12.476	43	1191	0.363	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	66006	35.074	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	66006	68.981	ug/l #	6

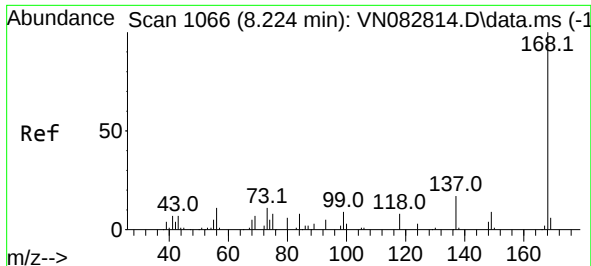
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

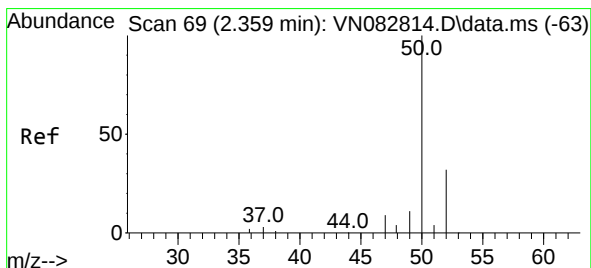
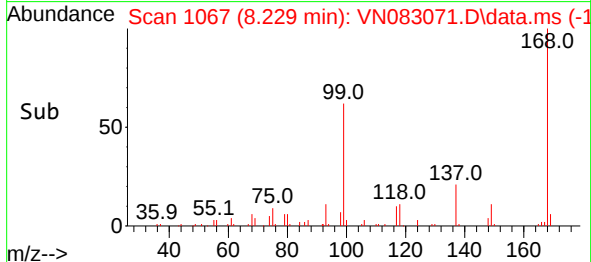
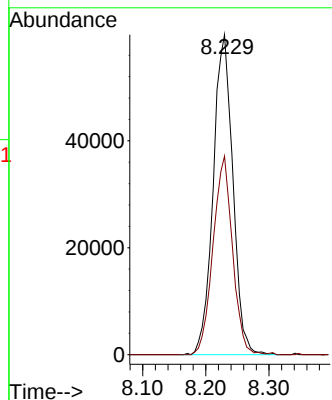
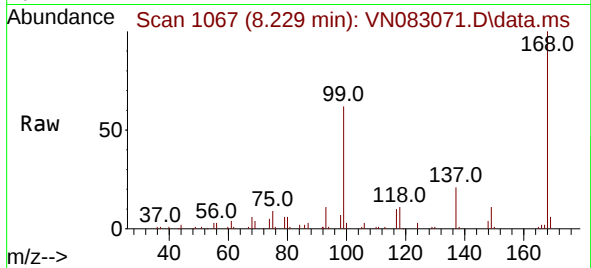




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.001 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

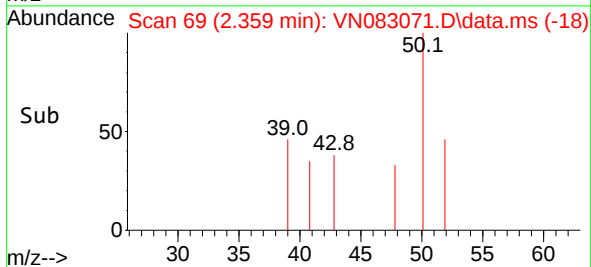
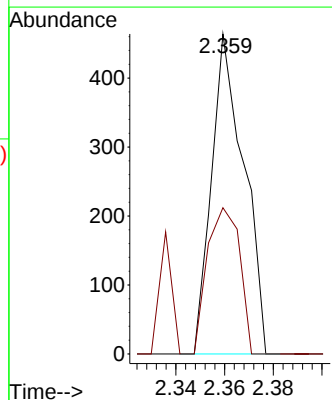
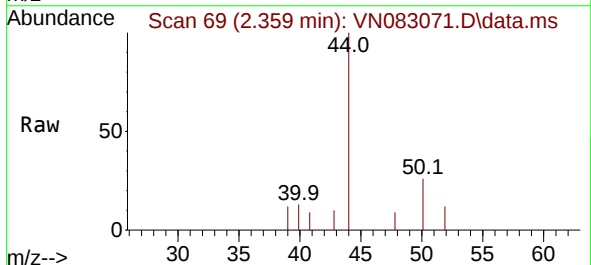
Instrument :
MSVOA_N
ClientSampleId :

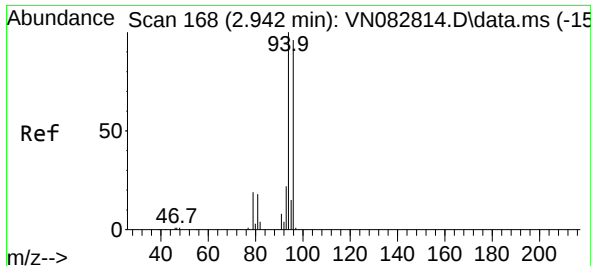
Tgt Ion:168 Resp: 129299
Ion Ratio Lower Upper
168 100
99 62.1 48.2 72.4



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

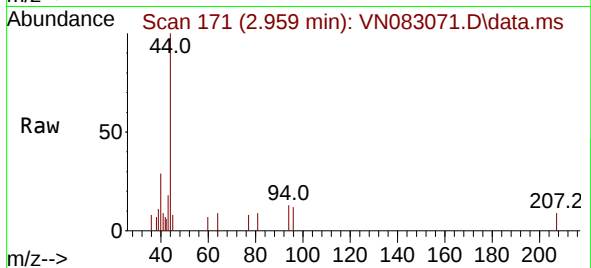
Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 45.7 25.0 37.4#



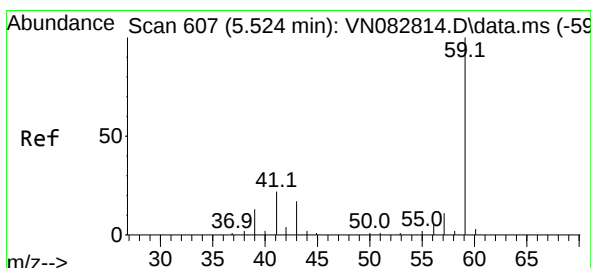
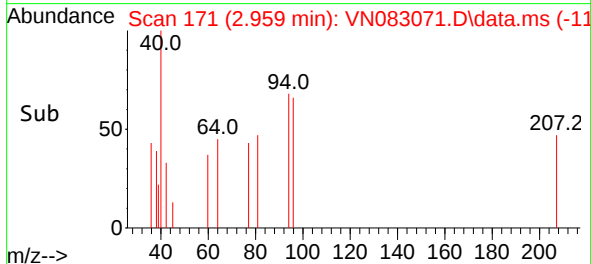
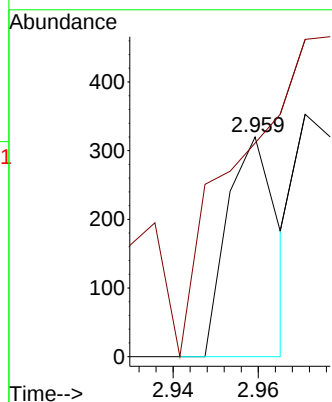


#5
Bromomethane
Concen: 0.219 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

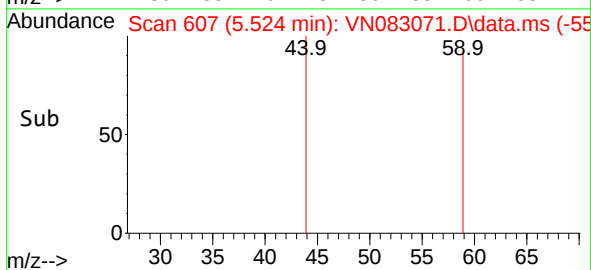
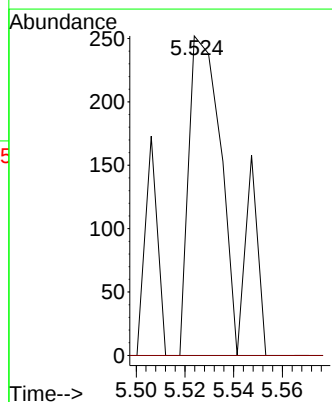
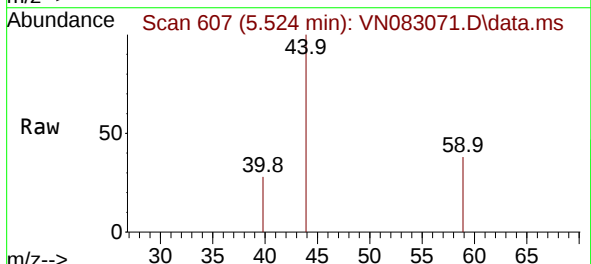


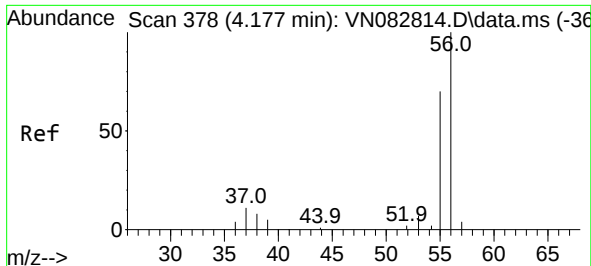
Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 97.2 78.0 117.0



#11
Tert butyl alcohol
Concen: 0.928 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

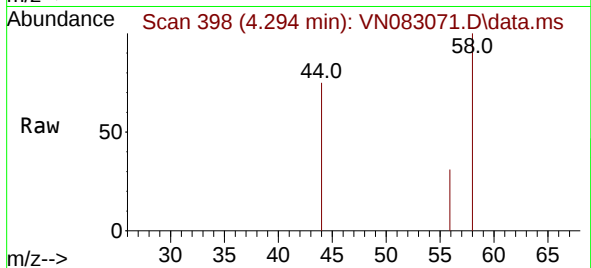
Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



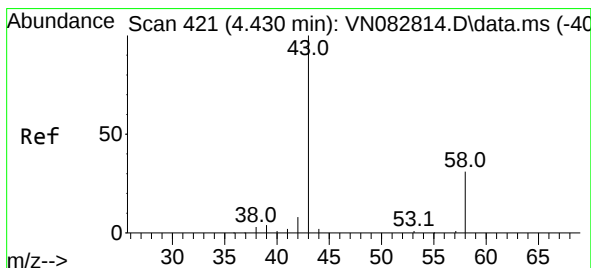
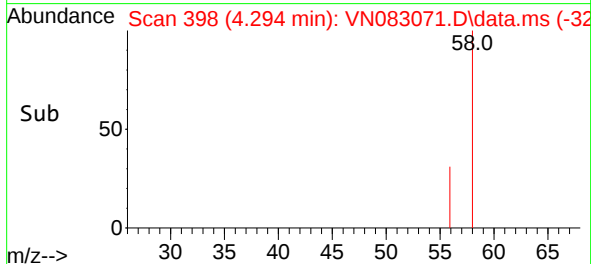
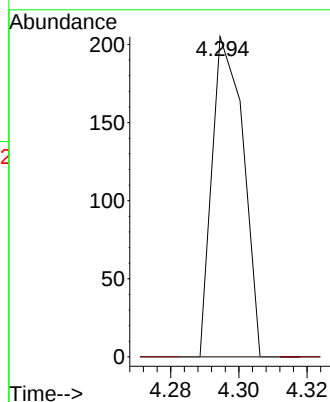


#13
Acrolein
Concen: 0.591 ug/l
RT: 4.294 min Scan# 398
Delta R.T. 0.117 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

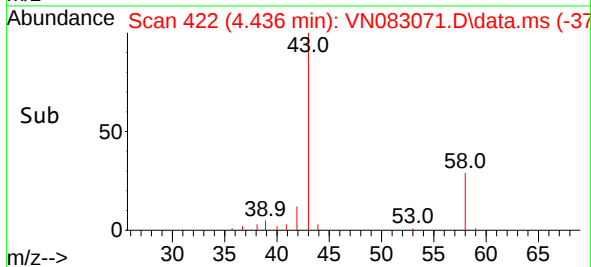
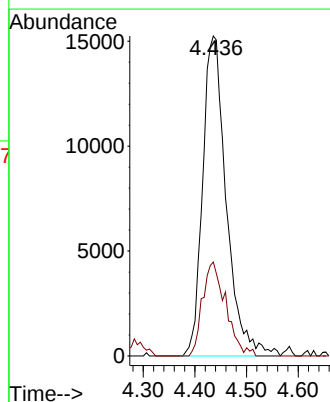
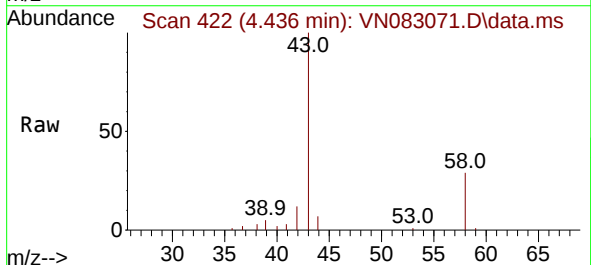


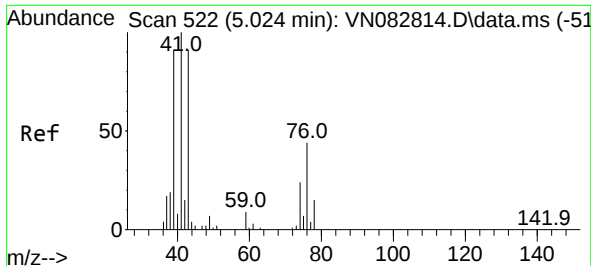
Tgt Ion: 56 Resp: 130
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 75.977 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

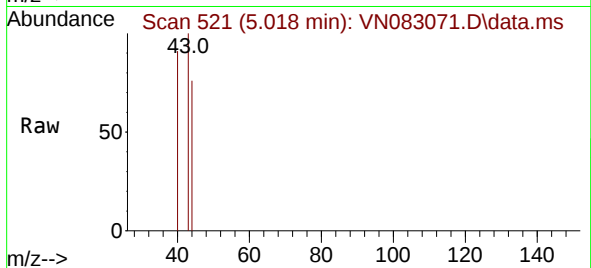
Tgt Ion: 43 Resp: 48484
Ion Ratio Lower Upper
43 100
58 29.4 21.8 32.6



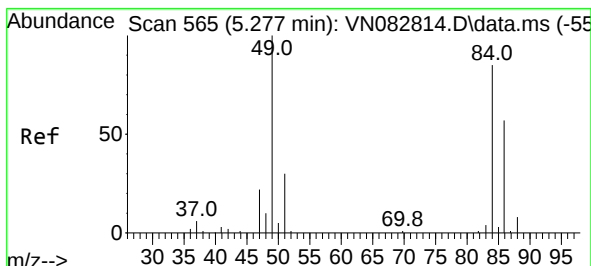
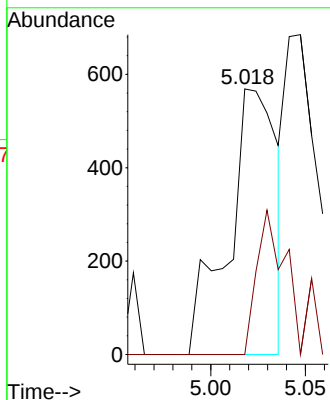
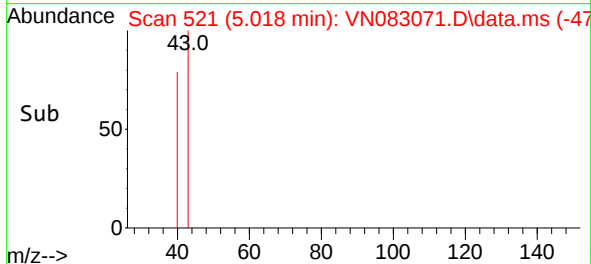


#18
Methyl Acetate
Concen: 0.599 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

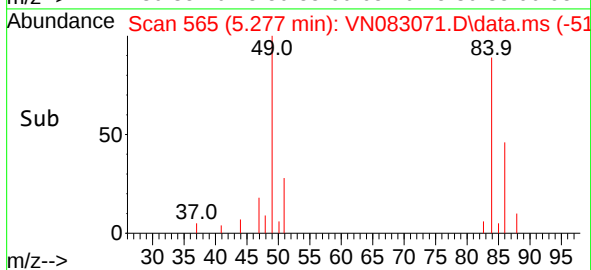
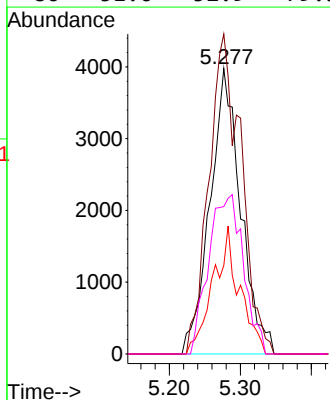
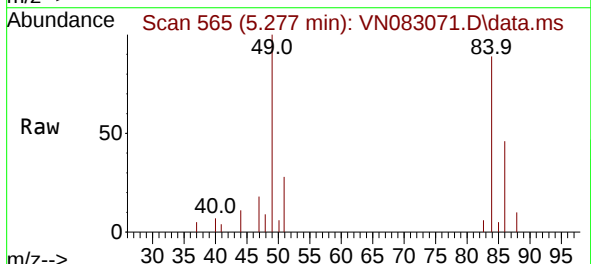


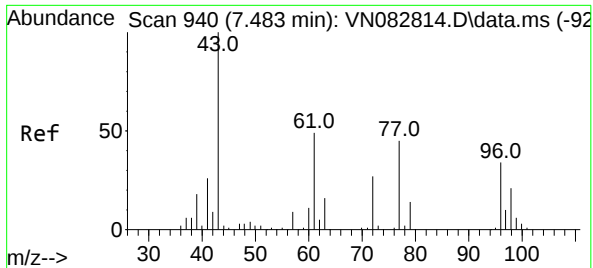
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
74 36.9 16.3 24.5#



#20
Methylene Chloride
Concen: 7.730 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 84 Resp: 11913
Ion Ratio Lower Upper
84 100
49 112.1 119.6 179.4#
51 31.0 34.8 52.2#
86 51.6 52.9 79.3#

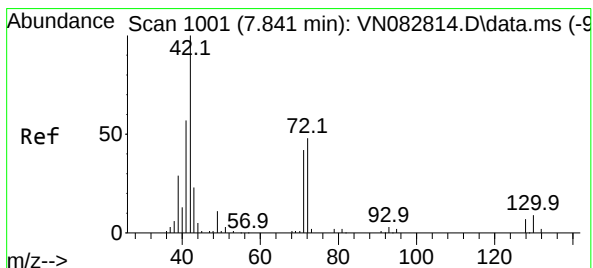
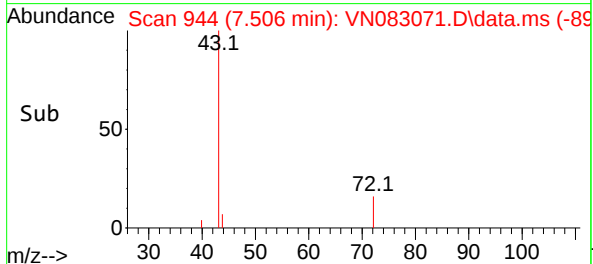
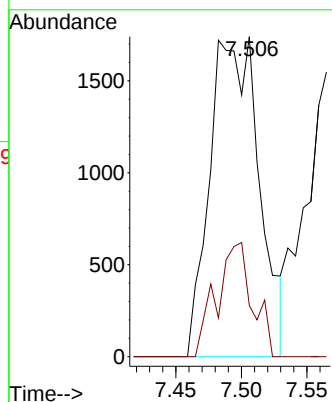
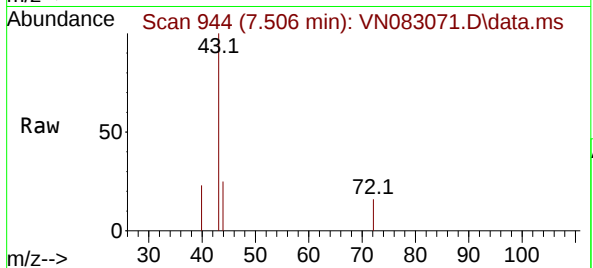




#25
2-Butanone
Concen: 4.700 ug/l
RT: 7.506 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

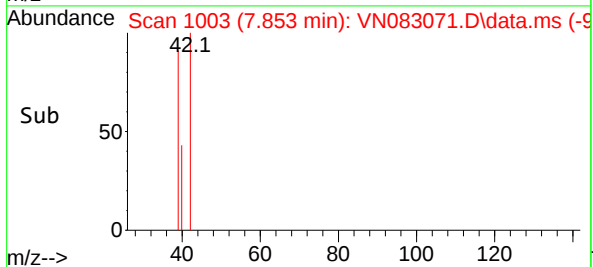
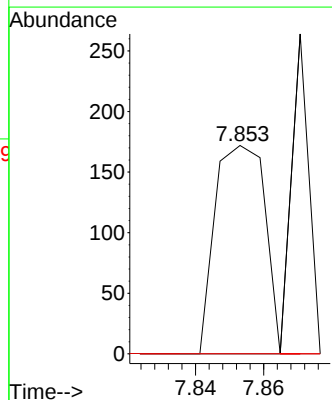
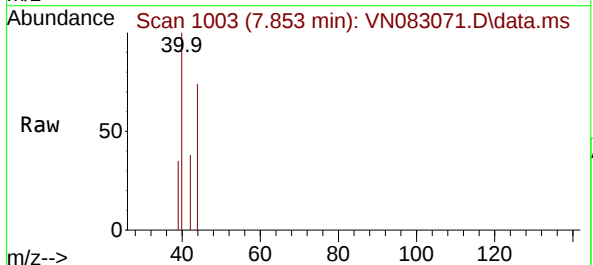
Instrument :
MSVOA_N
ClientSampleId :

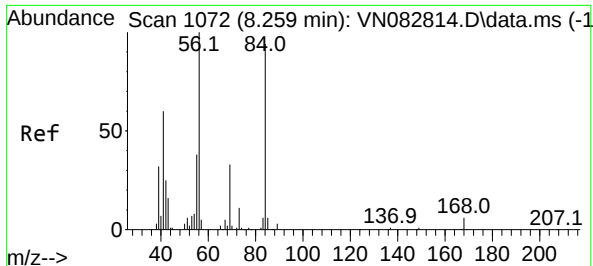
Tgt Ion: 43 Resp: 4529
Ion Ratio Lower Upper
43 100
72 16.0 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

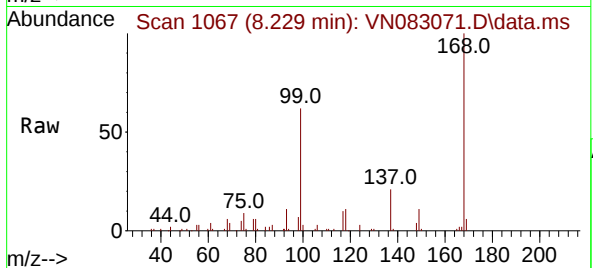
Tgt Ion: 42 Resp: 174
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



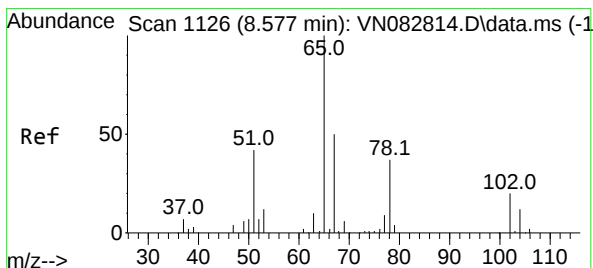
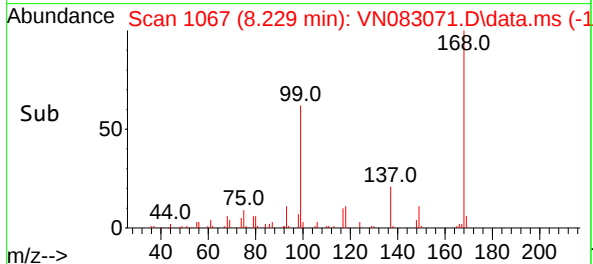
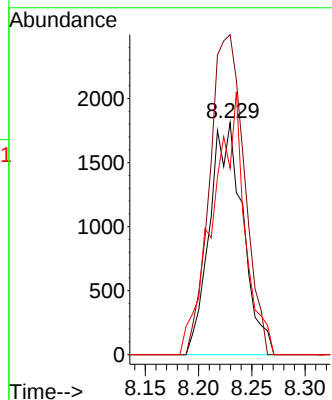


#31
Cyclohexane
Concen: 1.657 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
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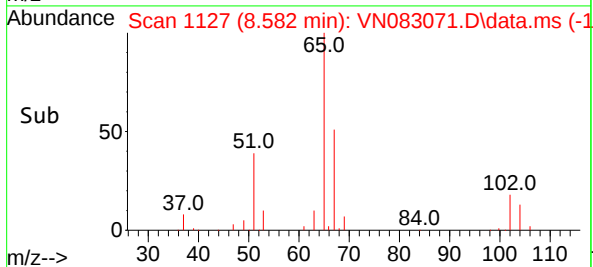
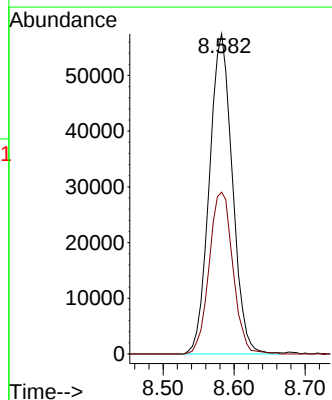
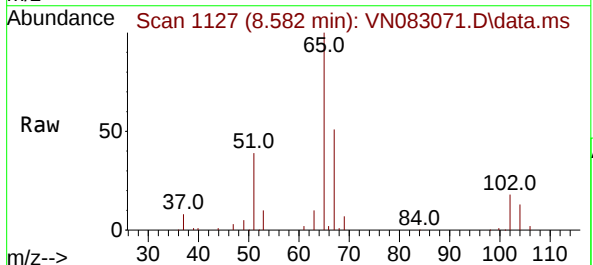


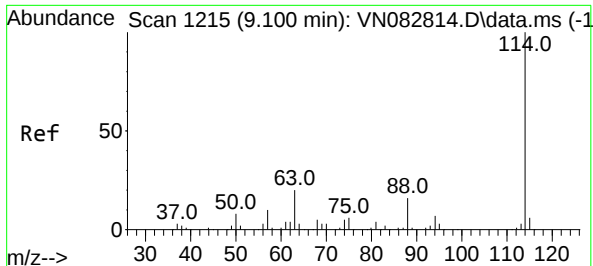
Tgt Ion: 56 Resp: 3926
Ion Ratio Lower Upper
56 100
69 137.9 24.5 36.7#
84 80.2 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 71.277 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 65 Resp: 129191
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

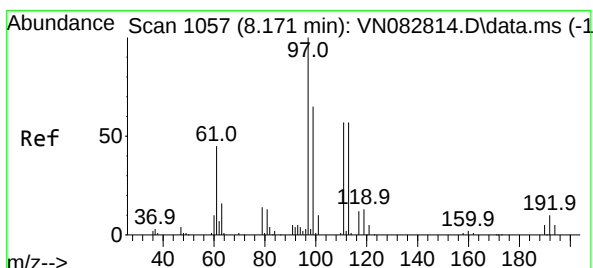
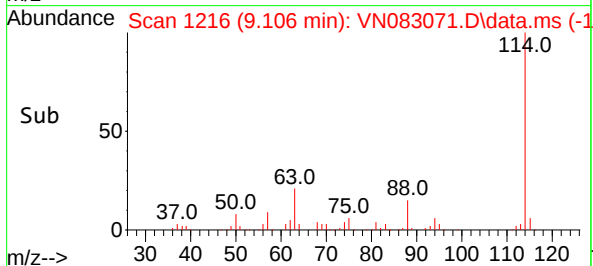
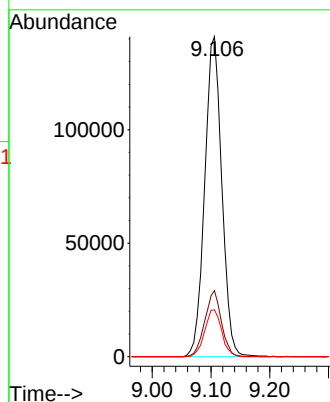
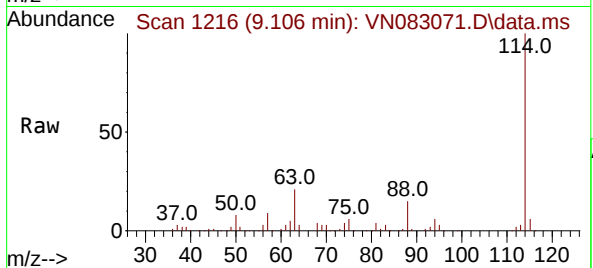
Tgt Ion:114 Resp: 284143

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.6

88 14.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 59.802 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

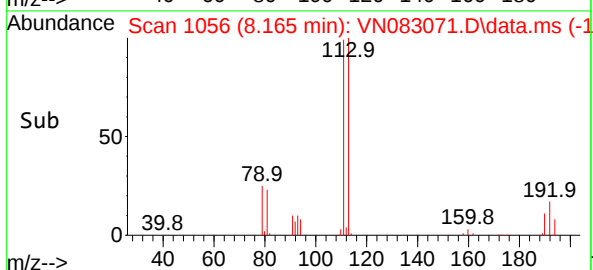
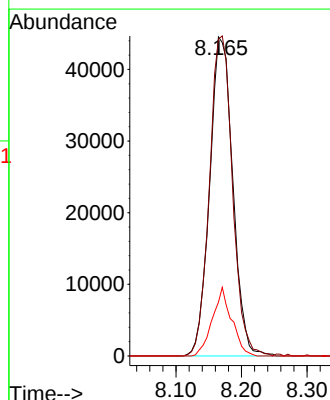
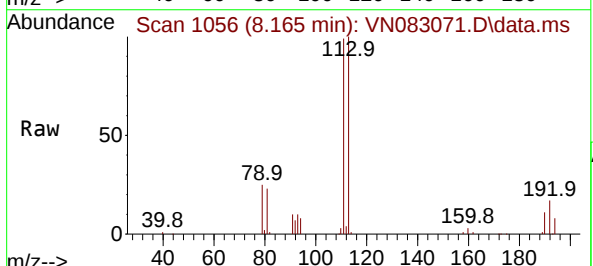
Tgt Ion:113 Resp: 109035

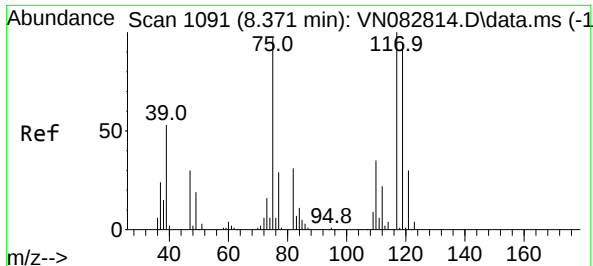
Ion Ratio Lower Upper

113 100

111 99.8 82.4 123.6

192 18.0 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.717 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

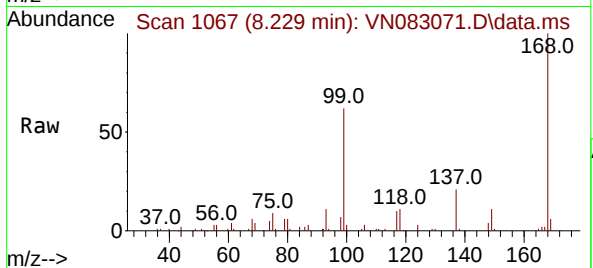
Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

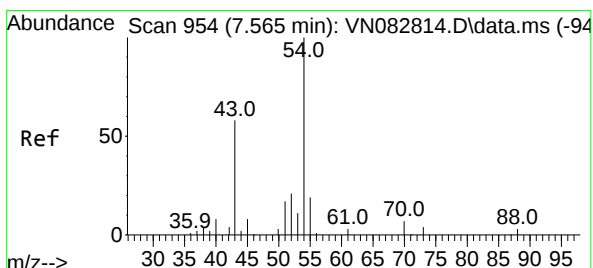
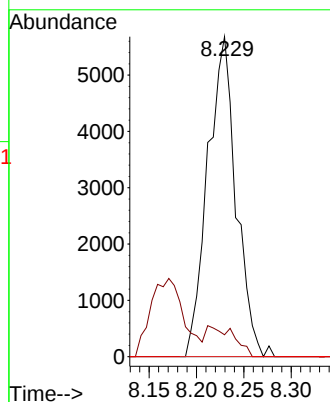
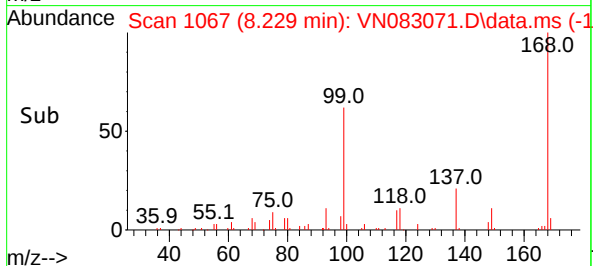
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 11858
Ion Ratio	Lower Upper
75	100
110	9.3 16.3 48.9#
77	0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.683 ug/l

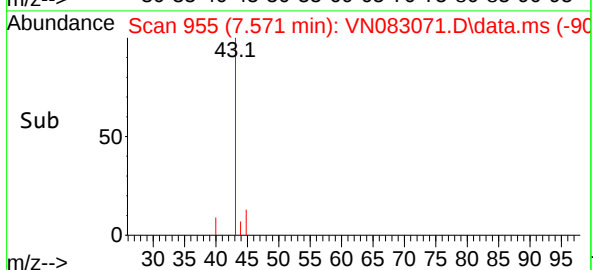
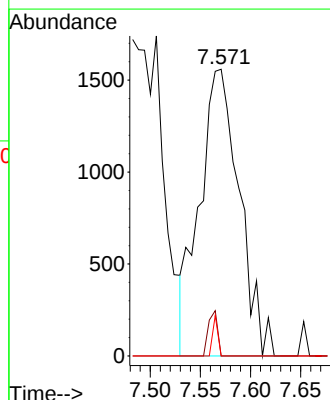
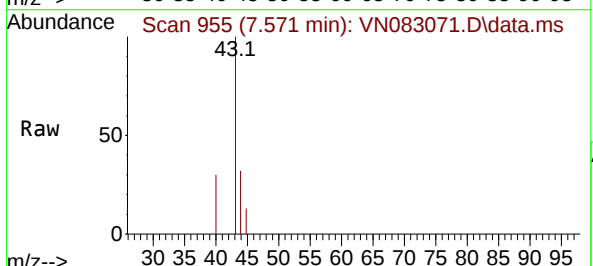
RT: 7.571 min Scan# 955

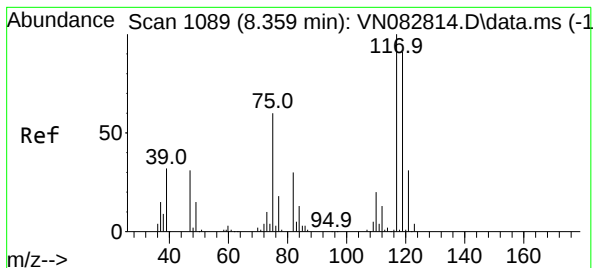
Delta R.T. 0.006 min

Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

Tgt Ion: 43	Resp: 4308
Ion Ratio	Lower Upper
43	100
61	3.6 9.3 13.9#
70	1.8 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.012 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

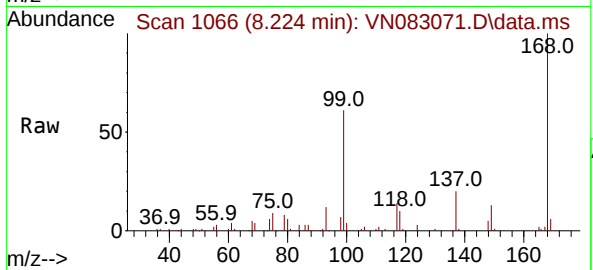
Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :



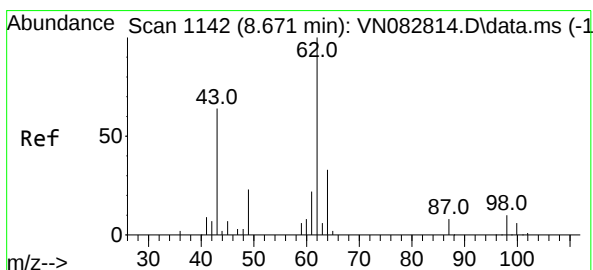
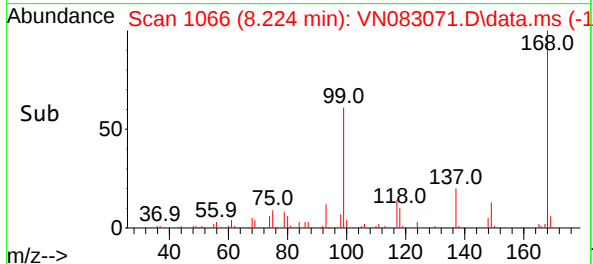
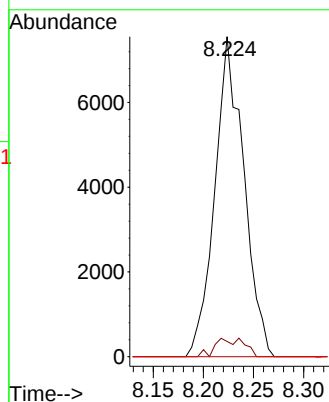
Tgt Ion:117 Resp: 15169

Ion Ratio Lower Upper

117 100

119 4.7 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.387 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN083071.D

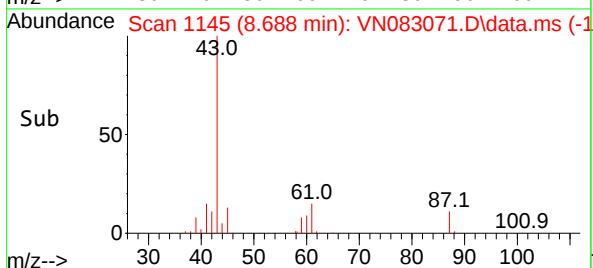
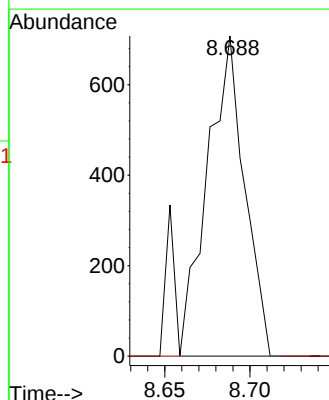
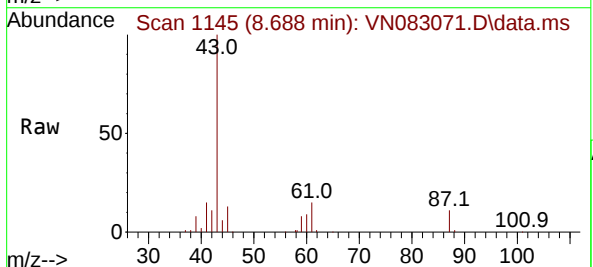
Acq: 30 Jul 2024 16:38

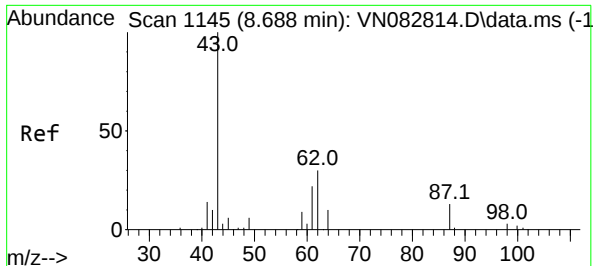
Tgt Ion: 62 Resp: 1076

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

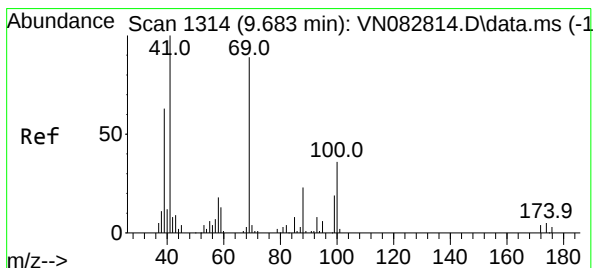
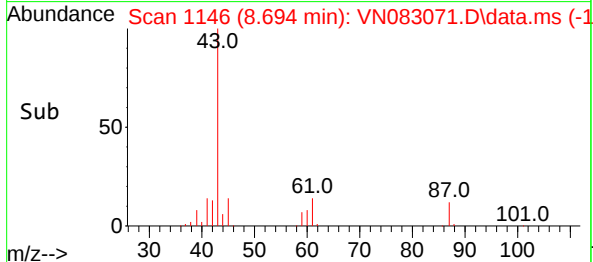
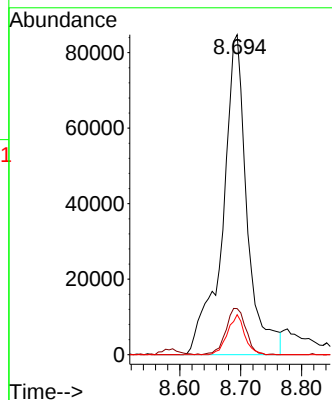
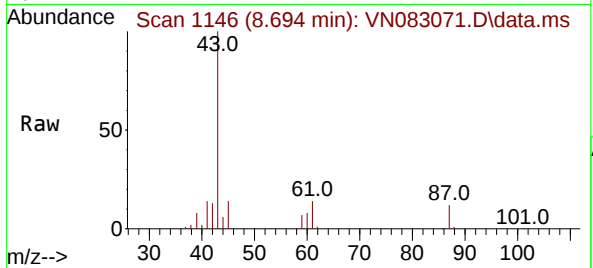




#43
Isopropyl Acetate
Concen: 48.746 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

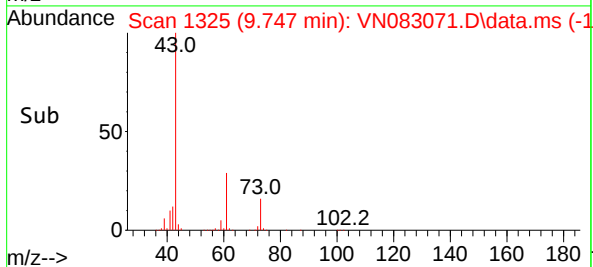
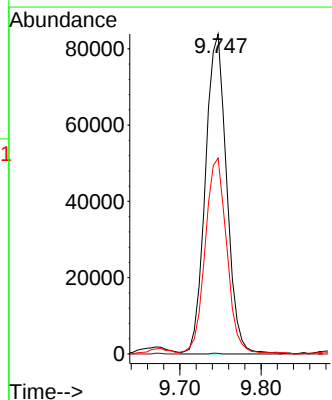
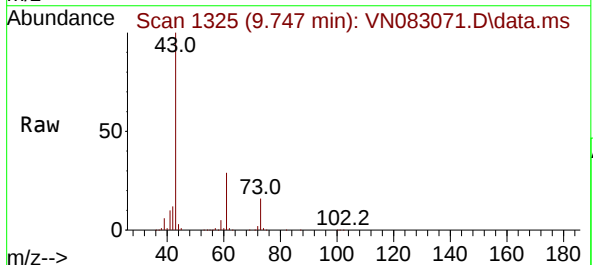
Instrument :
MSVOA_N
ClientSampleId :

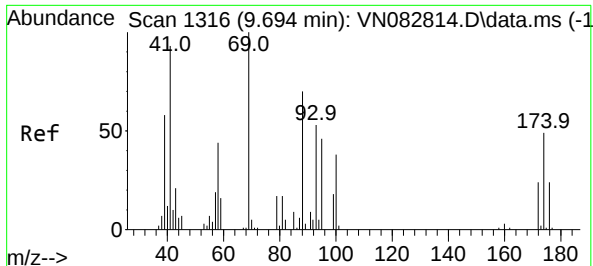
Tgt Ion: 43 Resp: 235594
Ion Ratio Lower Upper
43 100
61 11.9 17.8 26.6#
87 8.8 8.2 12.2



#48
Methyl methacrylate
Concen: 76.022 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 41 Resp: 152558
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 61.3 50.3 75.5

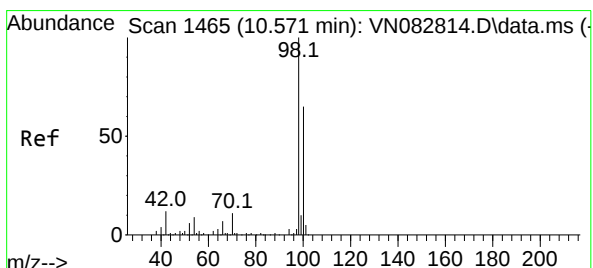
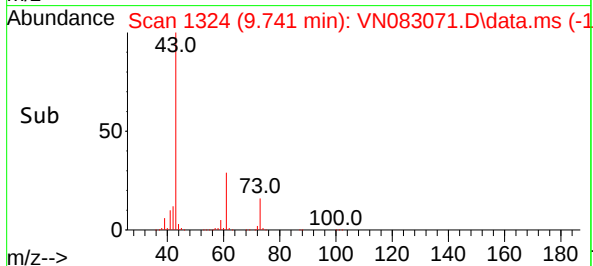
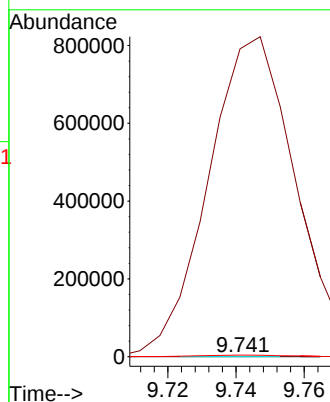
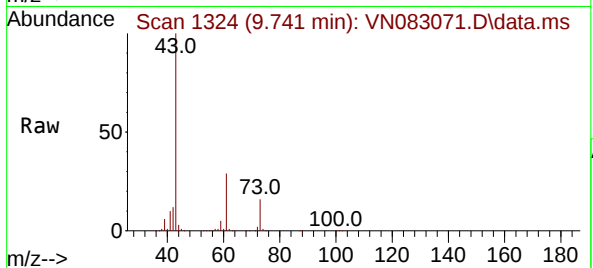




#49
1,4-Dioxane
Concen: 4.048 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

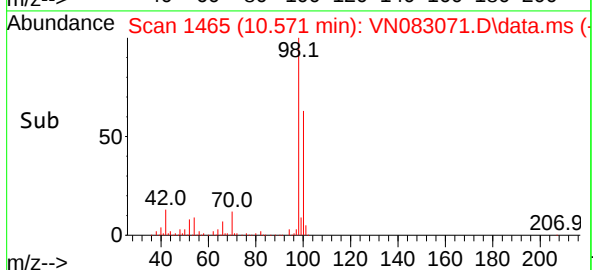
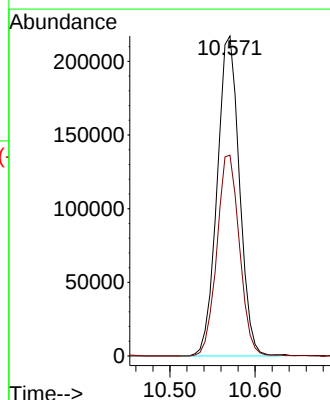
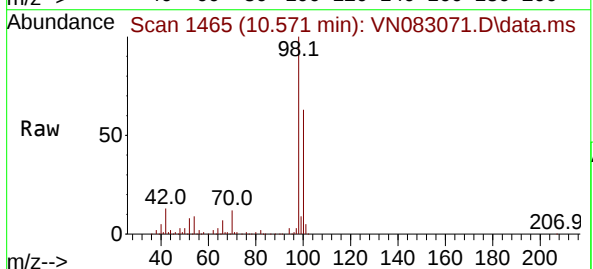
Instrument :
MSVOA_N
ClientSampleId :

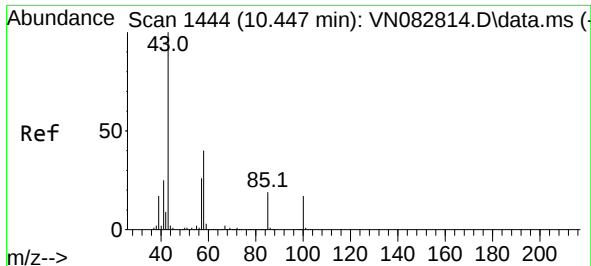
Tgt Ion: 88 Resp: 152
Ion Ratio Lower Upper
88 100
43 970275.7 27.8 41.8#
58 5187.5 59.4 89.0#



#50
Toluene-d8
Concen: 58.716 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 98 Resp: 395407
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3

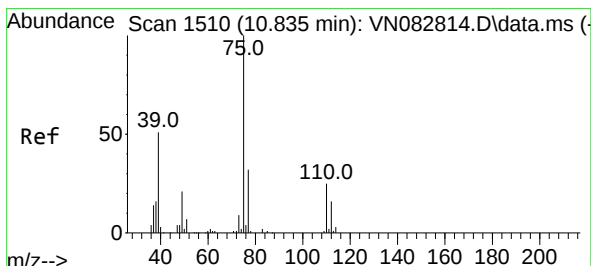
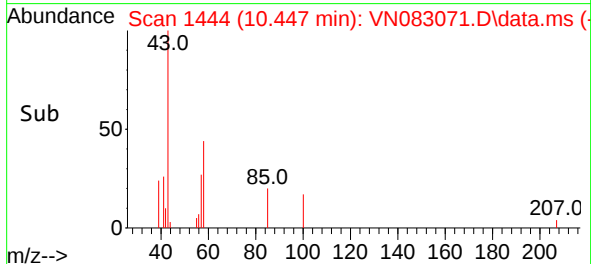
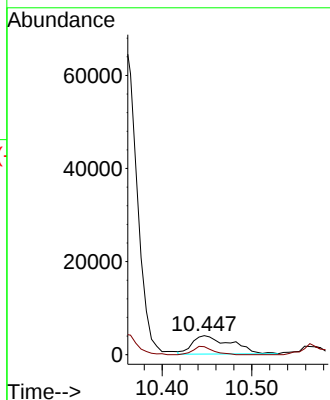
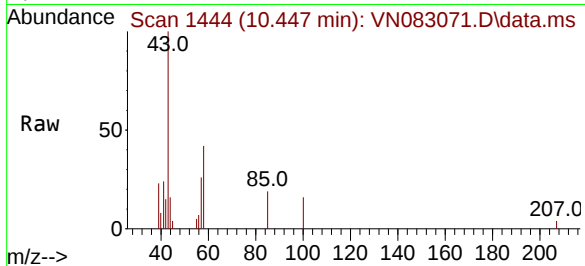




#51
4-Methyl-2-Pentanone
Concen: 4.637 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

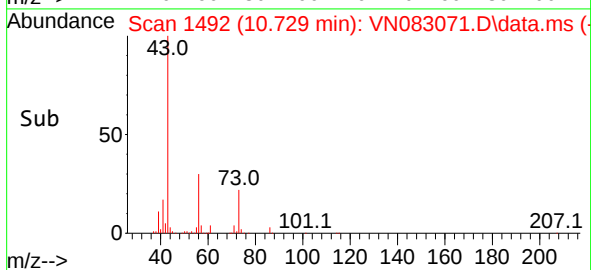
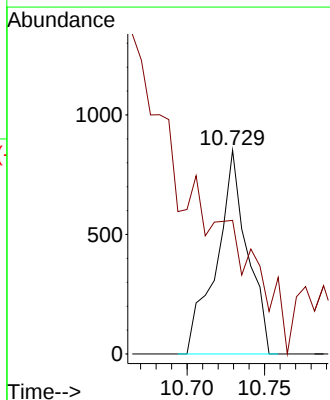
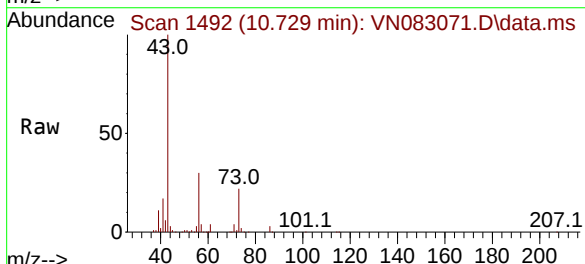
Instrument :
MSVOA_N
ClientSampleId :

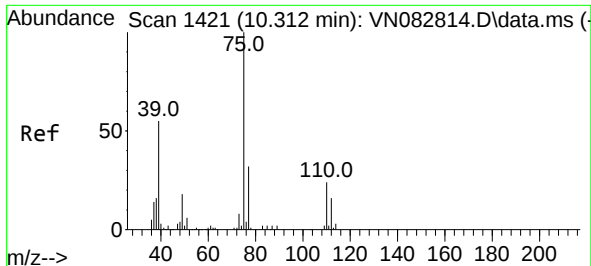
Tgt Ion: 43 Resp: 11764
Ion Ratio Lower Upper
43 100
58 23.5 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.391 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 75 Resp: 1172
Ion Ratio Lower Upper
75 100
77 28.0 25.7 38.5

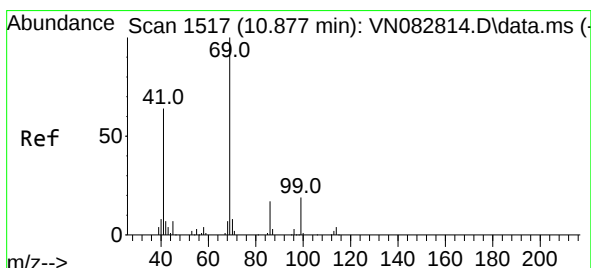
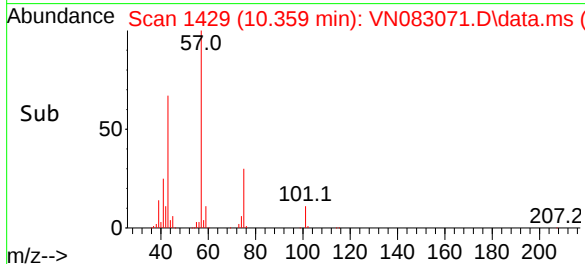
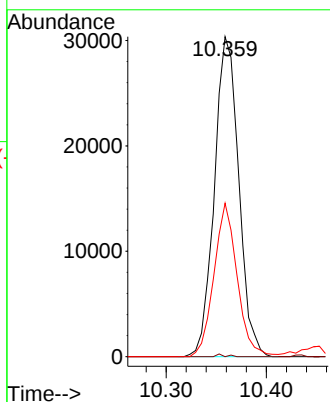
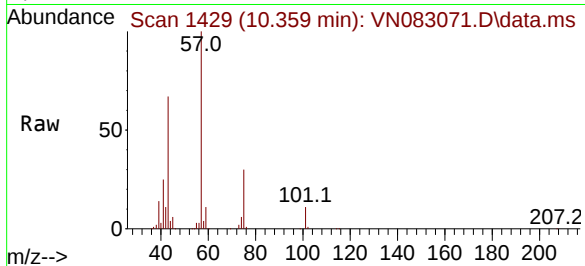




#54
 cis-1,3-Dichloropropene
 Concen: 16.141 ug/l
 RT: 10.359 min Scan# 1421
 Delta R.T. 0.041 min
 Lab File: VN083071.D
 Acq: 30 Jul 2024 16:38

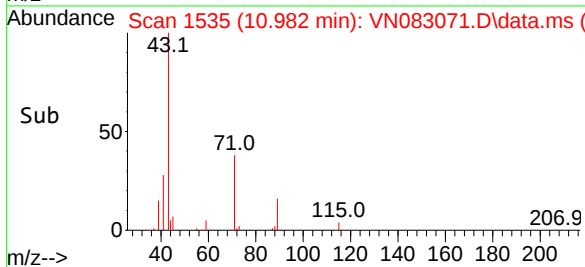
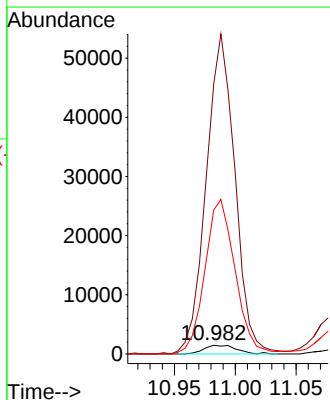
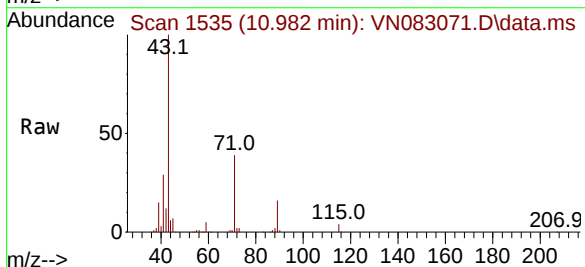
Instrument :
 MSVOA_N
 ClientSampleId :

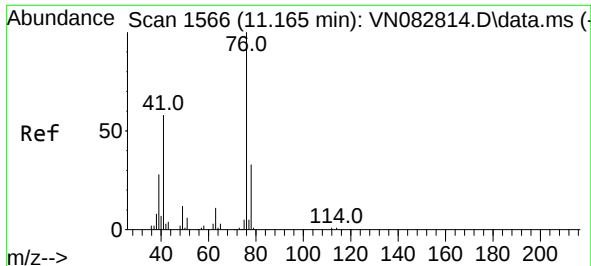
Tgt Ion: 75 Resp: 51145
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.9 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.998 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN083071.D
 Acq: 30 Jul 2024 16:38

Tgt Ion: 69 Resp: 2757
 Ion Ratio Lower Upper
 69 100
 41 3239.0 63.4 95.2#
 39 1636.1 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.377 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN083071.D

Acq: 30 Jul 2024 16:38

Instrument :

MSVOA_N

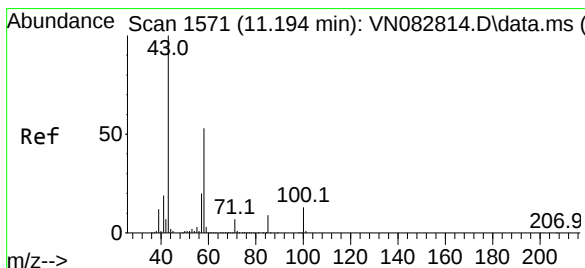
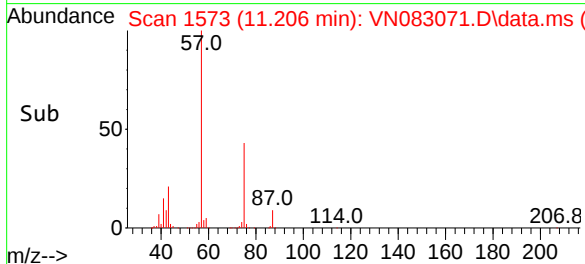
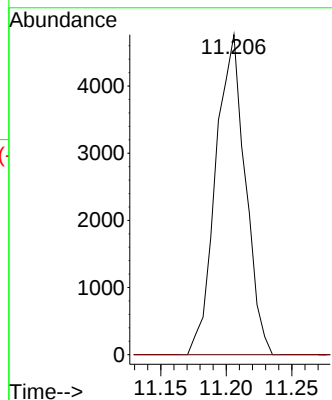
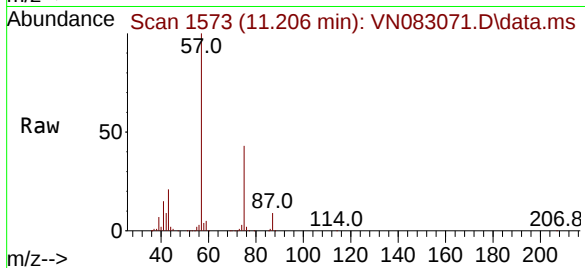
ClientSampleId :

Tgt Ion: 76 Resp: 7473

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 52.964 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN083071.D

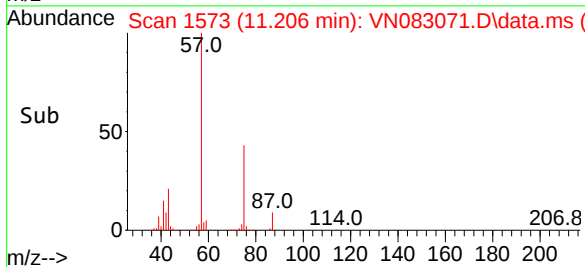
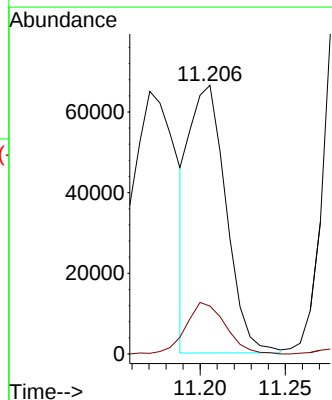
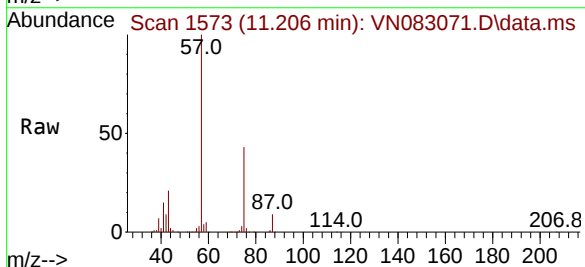
Acq: 30 Jul 2024 16:38

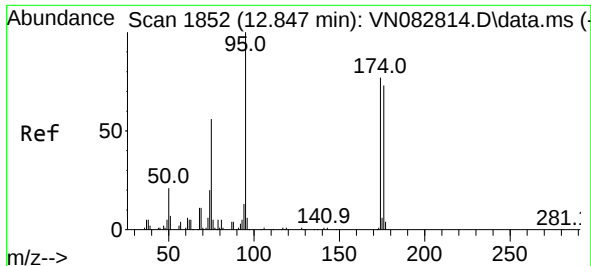
Tgt Ion: 43 Resp: 99911

Ion Ratio Lower Upper

43 100

58 20.8 24.6 73.8#

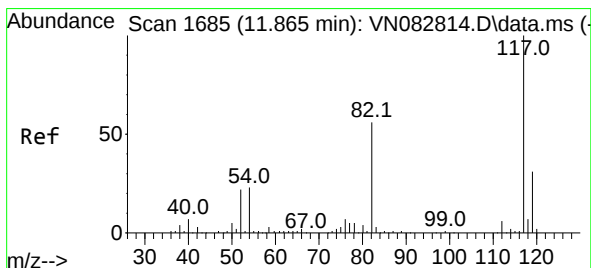
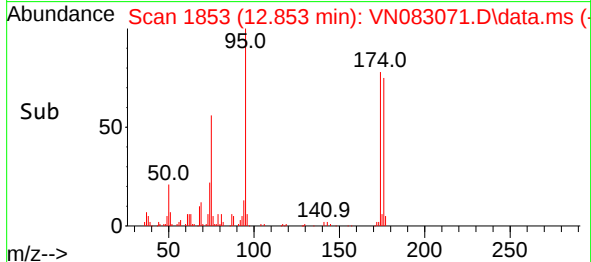
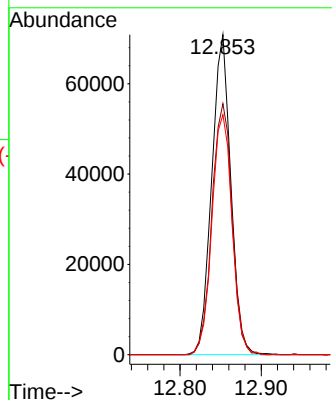
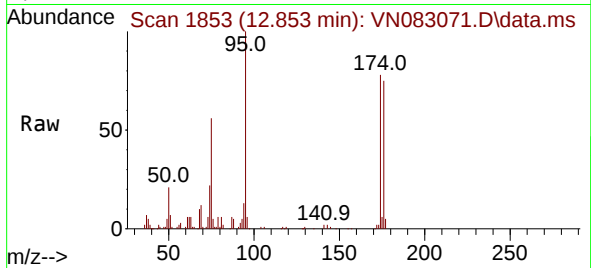




#62
4-Bromofluorobenzene
Concen: 47.664 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

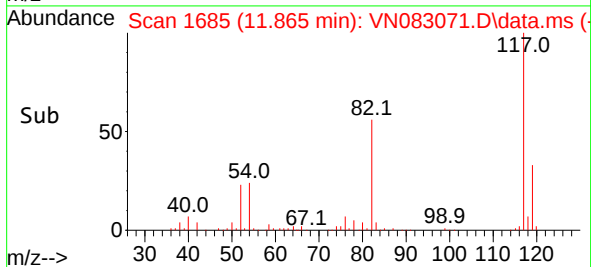
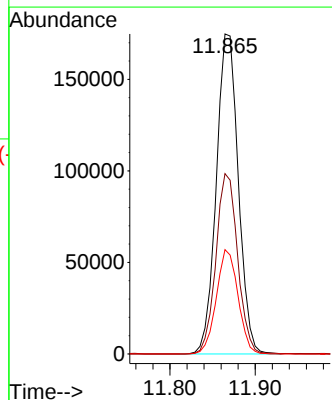
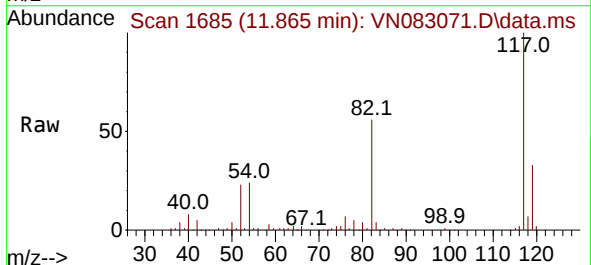
Instrument :
MSVOA_N
ClientSampleId :

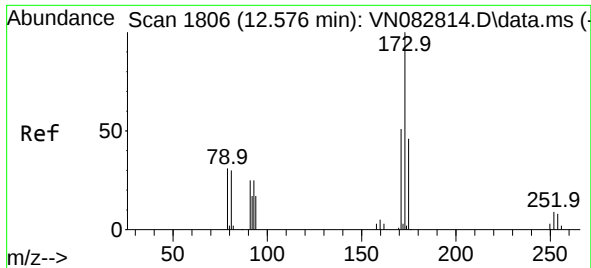
Tgt Ion: 95 Resp: 115300
Ion Ratio Lower Upper
95 100
174 83.4 0.0 159.2
176 79.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

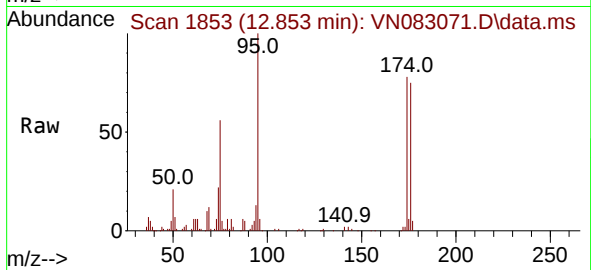
Tgt Ion: 117 Resp: 313771
Ion Ratio Lower Upper
117 100
82 56.3 47.5 71.3
119 32.6 25.6 38.4



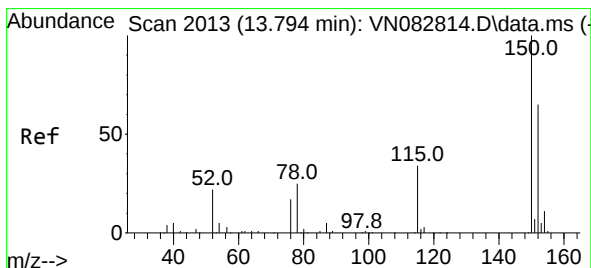
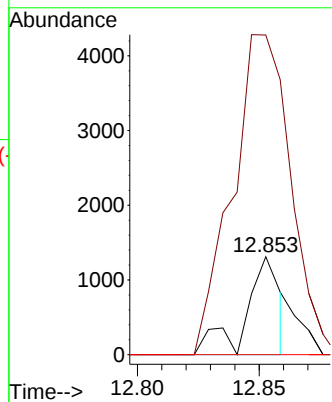
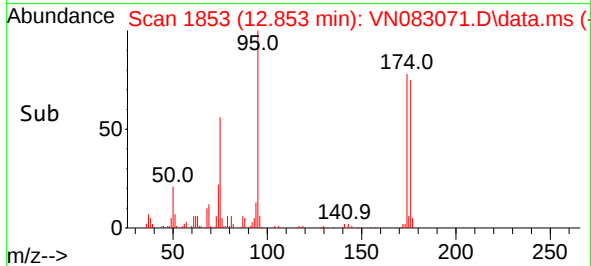


#71
Bromoform
Concen: 0.687 ug/l
RT: 12.853 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

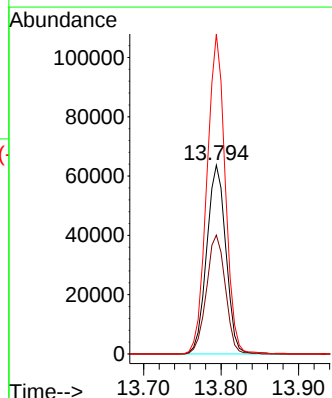
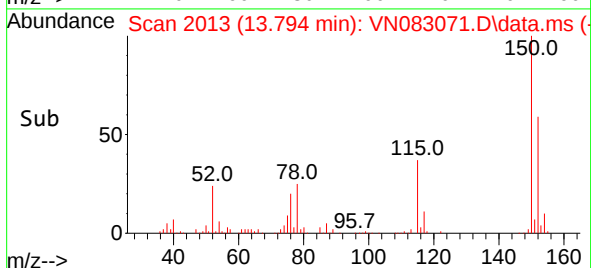
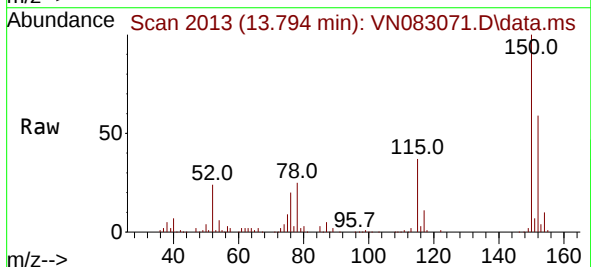


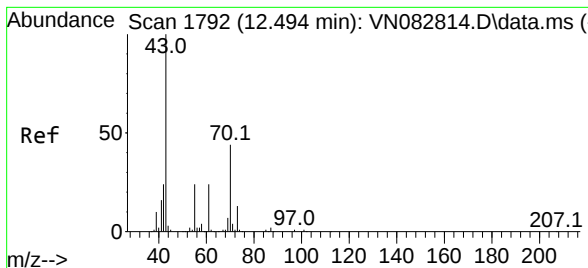
Tgt Ion:173 Resp: 1293
Ion Ratio Lower Upper
173 100
175 468.6 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

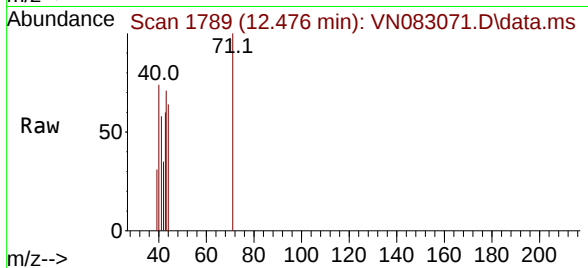
Tgt Ion:152 Resp: 109155
Ion Ratio Lower Upper
152 100
115 62.2 30.6 91.6
150 161.9 0.0 348.6



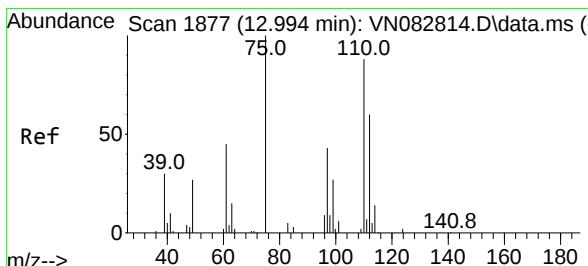
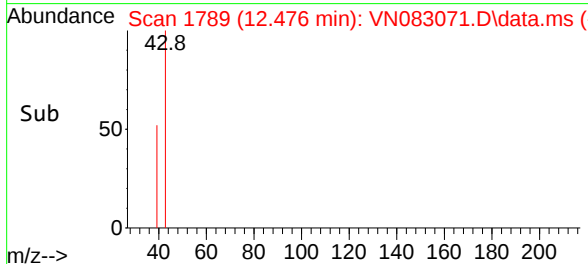
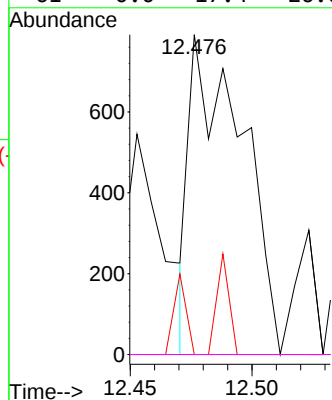


#74
N-amy1 acetate
Concen: 0.363 ug/l
RT: 12.476 min Scan# 1191
Delta R.T. -0.018 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

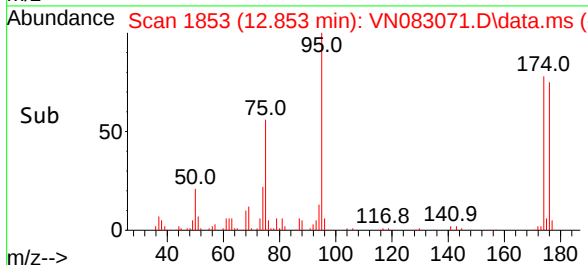
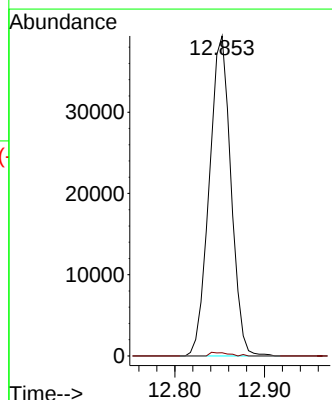
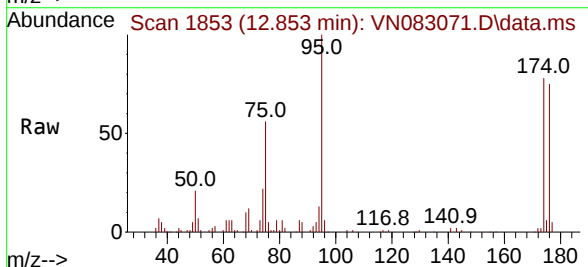


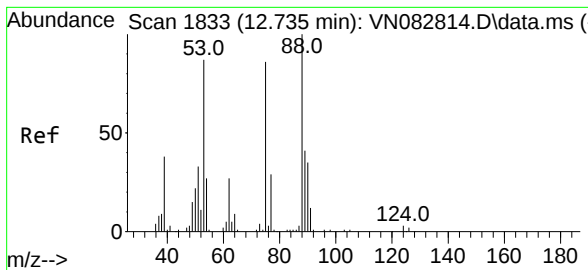
Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 5.9 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 35.074 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083071.D
Acq: 30 Jul 2024 16:38

Tgt Ion: 75 Resp: 66006
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.981 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083071.D
 Acq: 30 Jul 2024 16:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 66006
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.4 132.6#
 89 0.0 36.3 54.5#

