

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031324\
 Data File : VN081395.D
 Acq On : 13 Mar 2024 15:31
 Operator : JC\MD
 Sample : P1733-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Mar 14 01:07:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

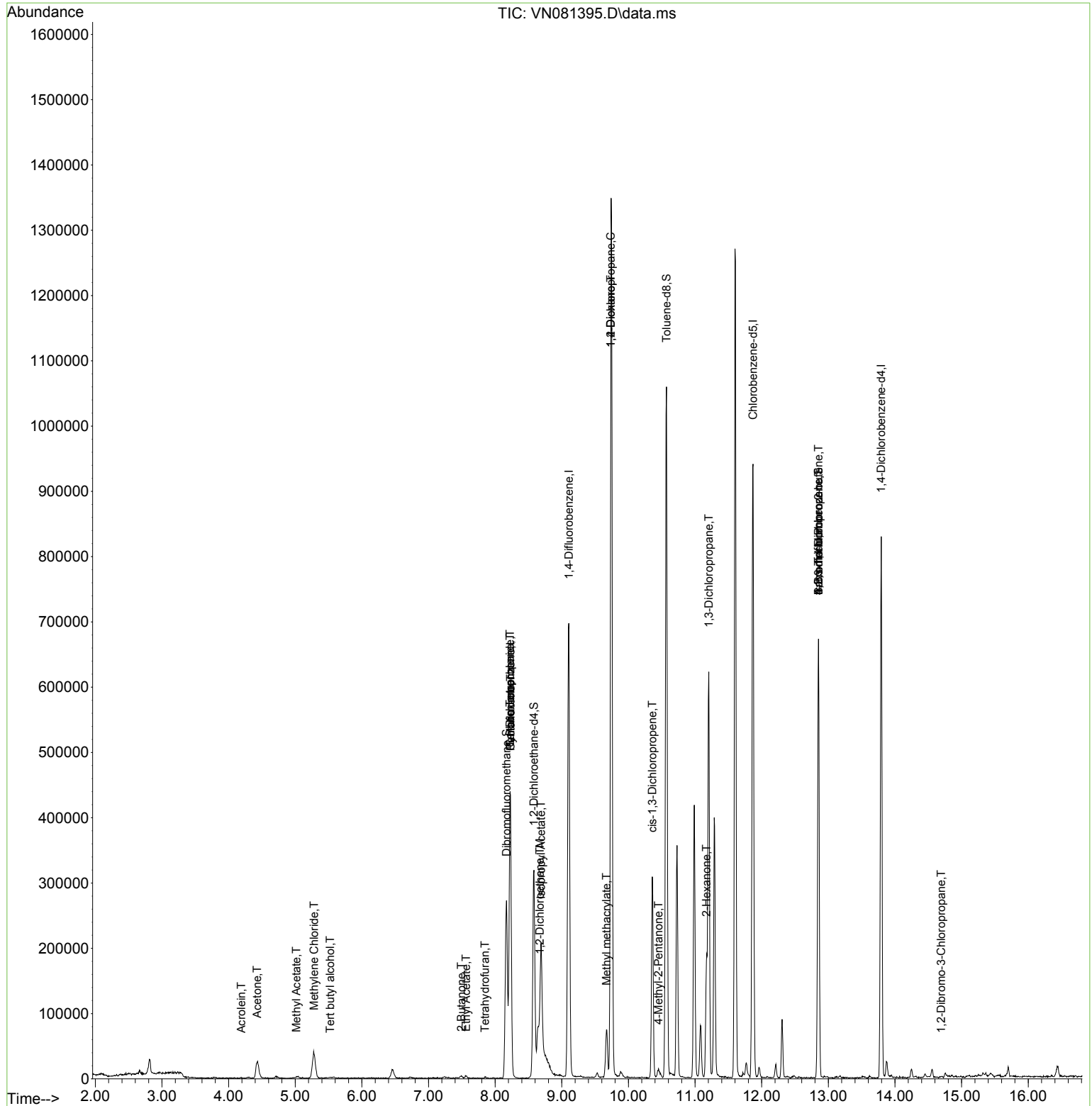
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

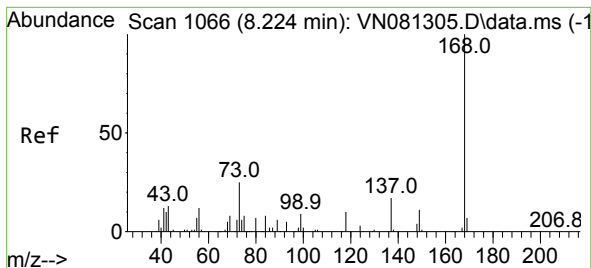
Internal Standards						
1) Pentafluorobenzene	8.230	168	298336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	591925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	536078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	252416	58.516	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.040%			
35) Dibromofluoromethane	8.171	113	196189	54.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.200%			
50) Toluene-d8	10.571	98	706174	52.090	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%			
62) 4-Bromofluorobenzene	12.853	95	224476	46.849	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 93.700%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	1133	1.502	ug/l #	87
13) Acrolein	4.189	56	577	0.646	ug/l	85
16) Acetone	4.430	43	50854	33.274	ug/l	92
18) Methyl Acetate	5.018	43	2005	0.458	ug/l #	87
20) Methylene Chloride	5.283	84	30411	7.368	ug/l	92
25) 2-Butanone	7.494	43	5496	2.147	ug/l	92
29) Tetrahydrofuran	7.847	42	897	0.514	ug/l #	73
31) Cyclohexane	8.230	56	8663	1.326	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	28982	4.954	ug/l #	49
37) Ethyl Acetate	7.565	43	5299	0.927	ug/l #	87
38) Carbon Tetrachloride	8.224	117	34142	5.798	ug/l #	19
42) 1,2-Dichloroethane	8.671	62	1313	0.213	ug/l	87
43) Isopropyl Acetate	8.688	43	353771	35.340	ug/l #	75
45) 1,2-Dichloropropane	9.735	63	2257	0.514	ug/l #	42
48) Methyl methacrylate	9.671	41	5453	1.232	ug/l #	47
49) 1,4-Dioxane	9.735	88	76	0.779	ug/l #	18
51) 4-Methyl-2-Pentanone	10.453	43	13305	2.289	ug/l #	84
54) cis-1,3-Dichloropropene	10.359	75	54426	7.762	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	6780	0.929	ug/l #	43
59) 2-Hexanone	11.171	43	132942	30.594	ug/l #	26
71) Bromoform	12.853	173	1745	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	125775	26.244	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	125775	73.242	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.694	75	840	0.776	ug/l #	13

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

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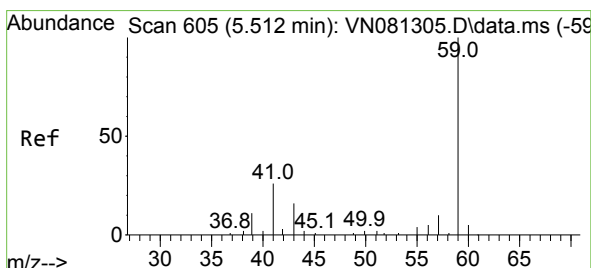
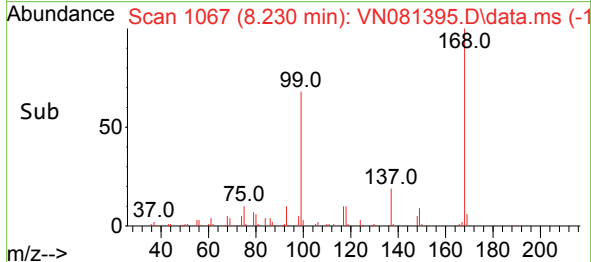
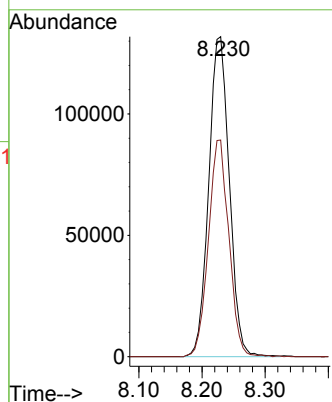
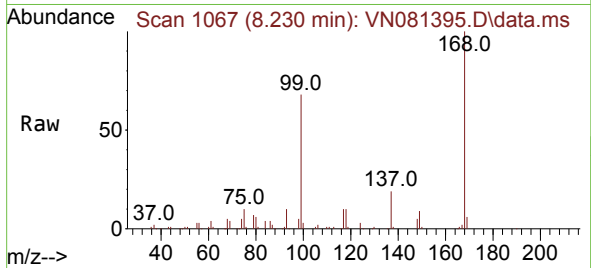




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

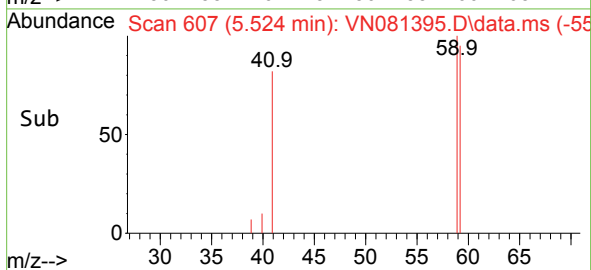
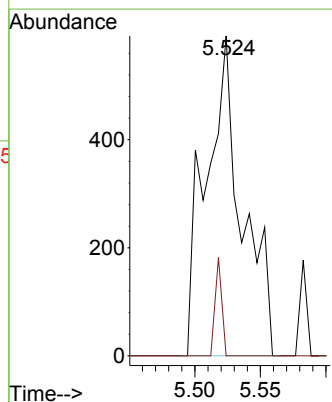
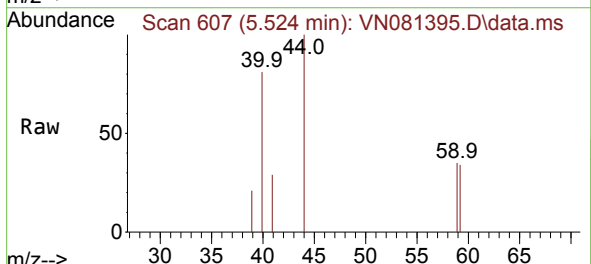
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MSVOA_N
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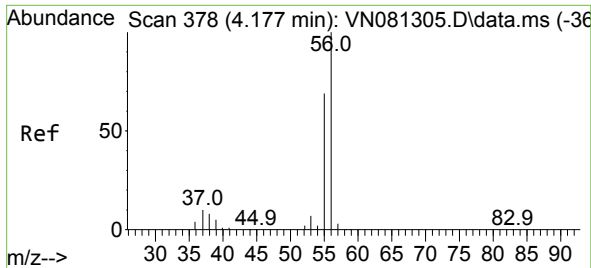
Tgt Ion:168 Resp: 298336
Ion Ratio Lower Upper
168 100
99 67.7 59.9 89.9



#11
Tert butyl alcohol
Concen: 1.502 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 59 Resp: 1133
Ion Ratio Lower Upper
59 100
57 5.6 8.6 12.8#

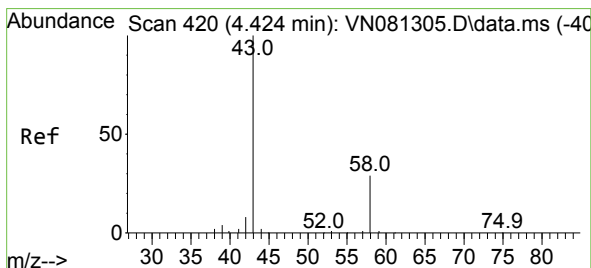
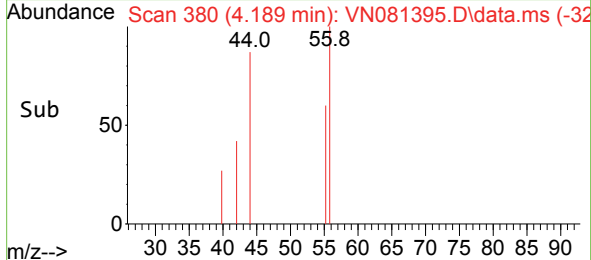
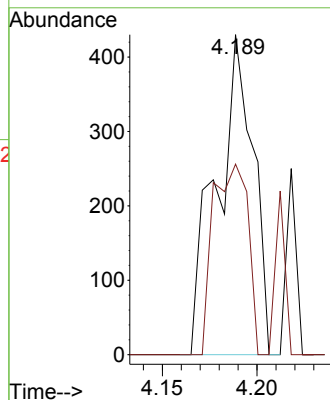
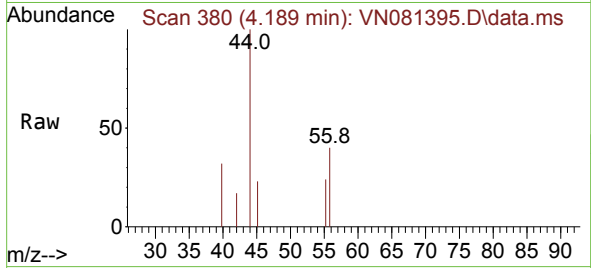




#13
Acrolein
Concen: 0.646 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

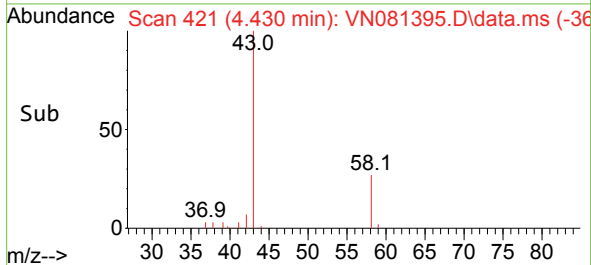
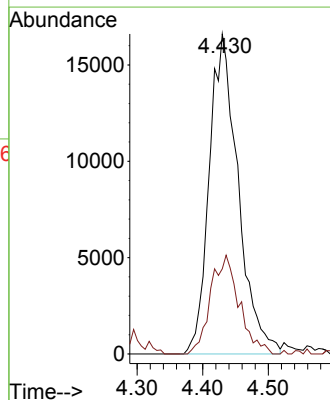
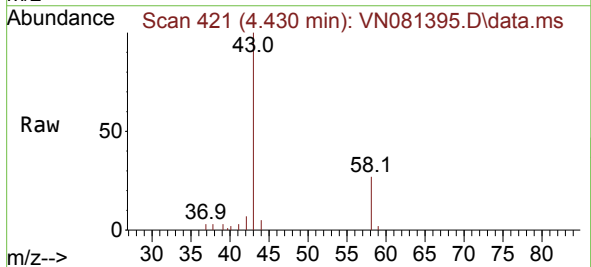
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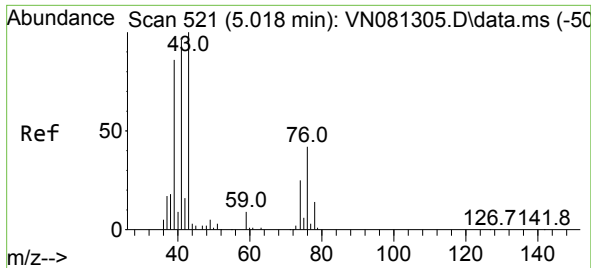
Tgt Ion: 56 Resp: 577
Ion Ratio Lower Upper
56 100
55 56.5 55.3 82.9



#16
Acetone
Concen: 33.274 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 43 Resp: 50854
Ion Ratio Lower Upper
43 100
58 26.6 24.8 37.2

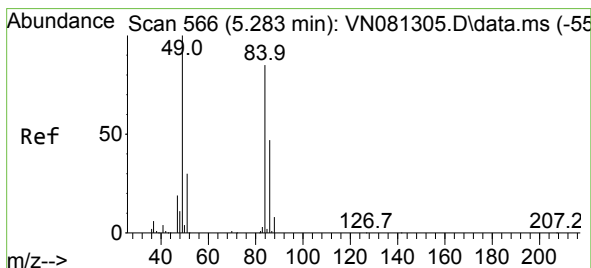
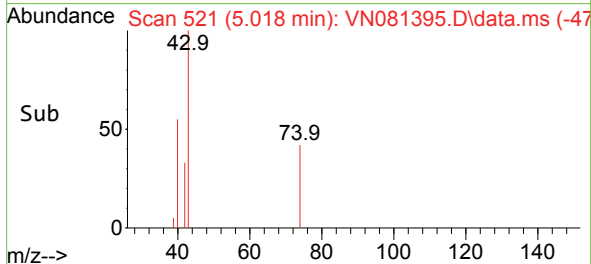
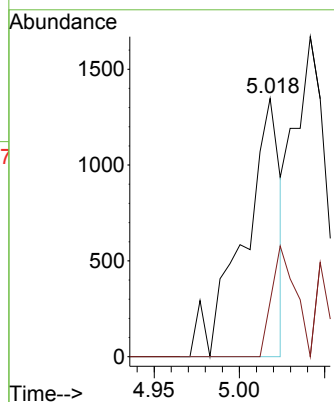
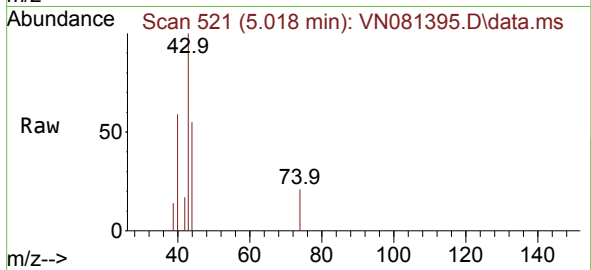




#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 5.018 min Scan# 518
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

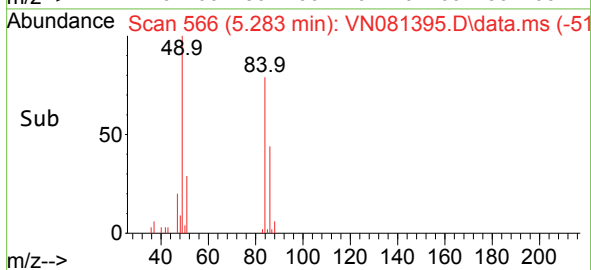
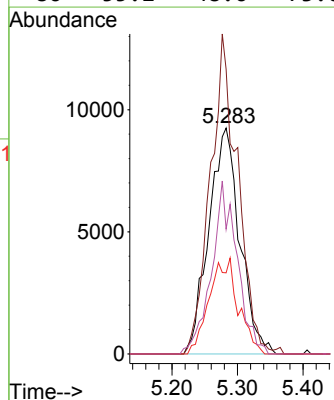
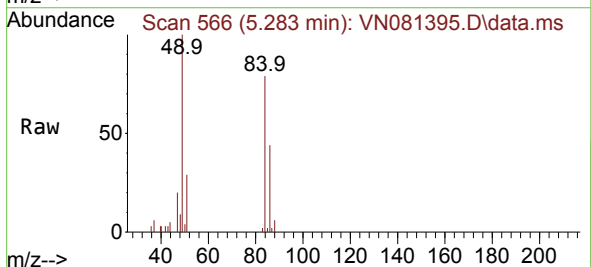
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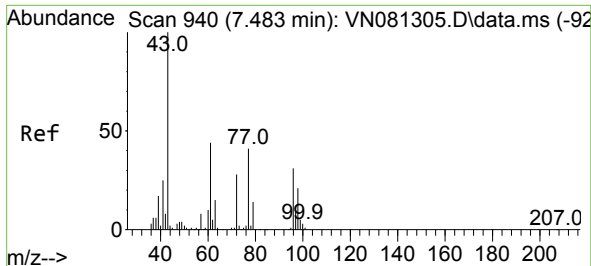
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
74 27.6 17.3 25.9#



#20
Methylene Chloride
Concen: 7.368 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 84 Resp: 30411
Ion Ratio Lower Upper
84 100
49 126.0 108.1 162.1
51 35.9 32.9 49.3
86 55.2 48.6 73.0

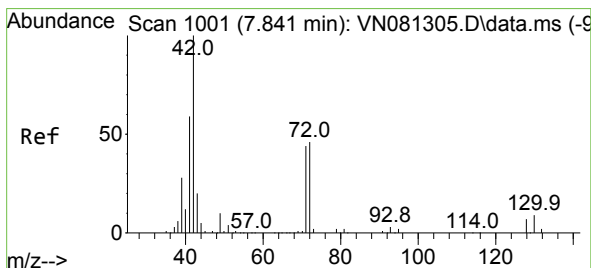
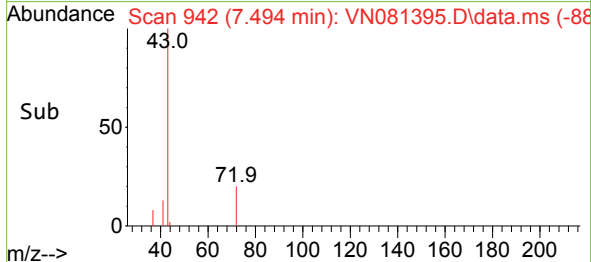
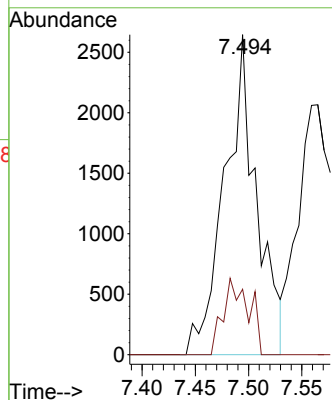
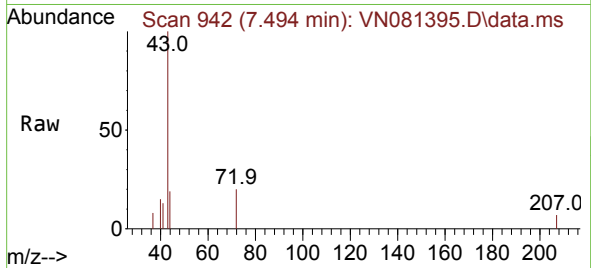




#25
2-Butanone
Concen: 2.147 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

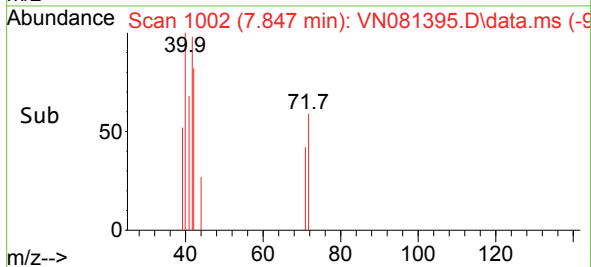
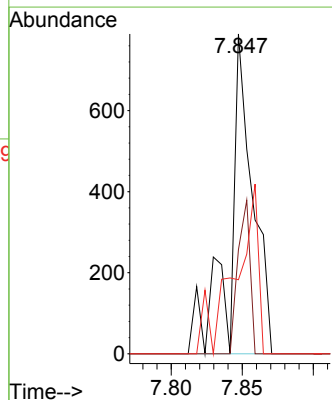
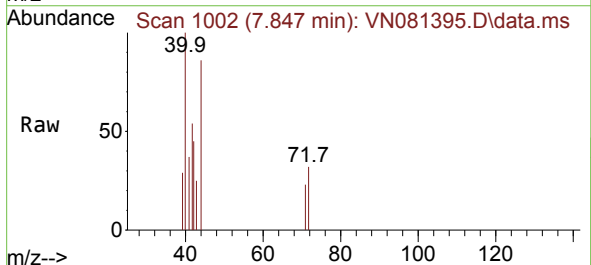
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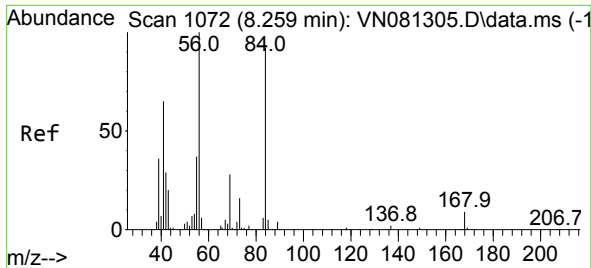
Tgt Ion: 43 Resp: 5496
Ion Ratio Lower Upper
43 100
72 20.4 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.514 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 42 Resp: 897
Ion Ratio Lower Upper
42 100
72 25.0 31.1 46.7#
71 54.2 28.3 42.5#

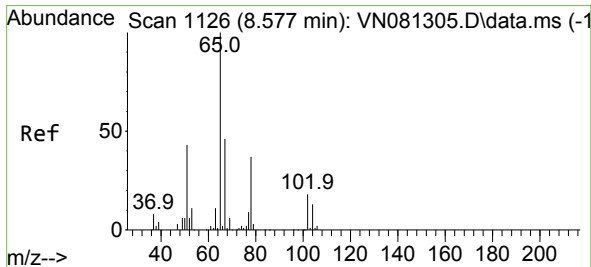
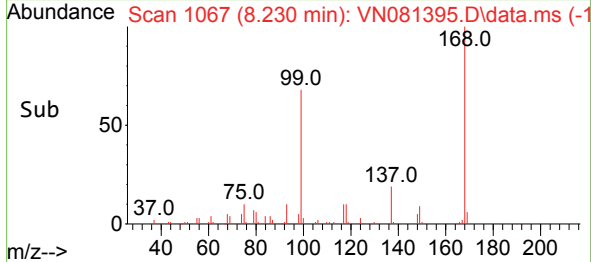
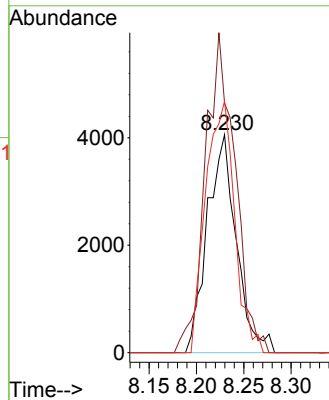
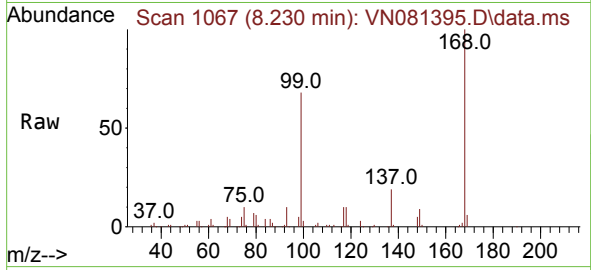




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

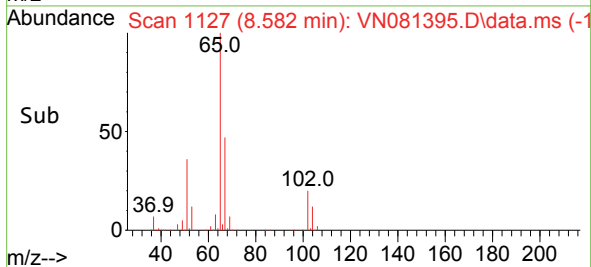
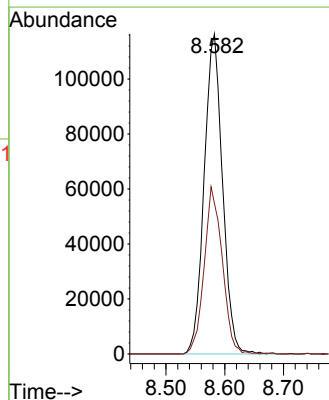
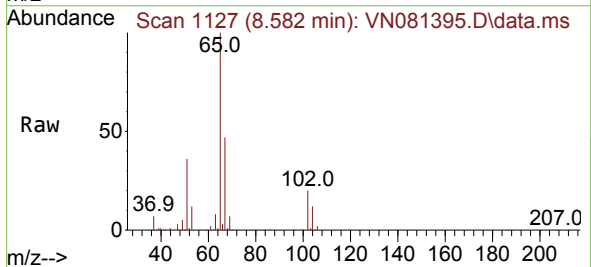
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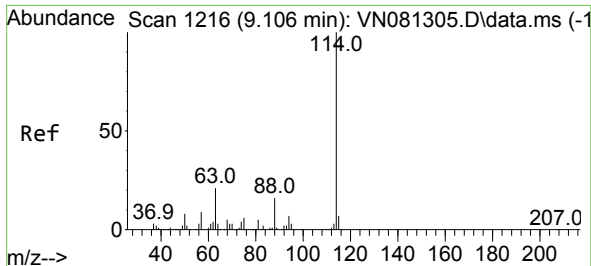
Tgt Ion: 56 Resp: 8663
Ion Ratio Lower Upper
56 100
69 114.6 20.1 30.1#
84 115.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 58.516 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 65 Resp: 252416
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4

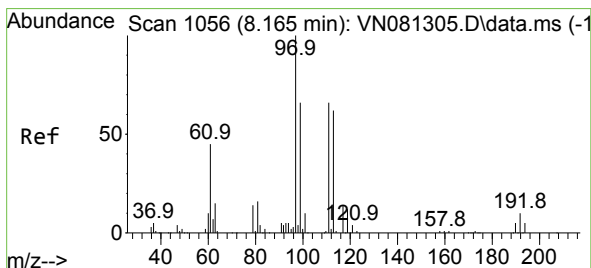
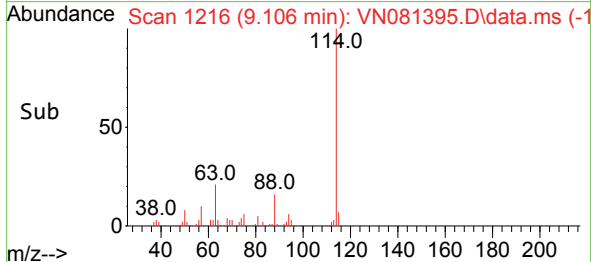
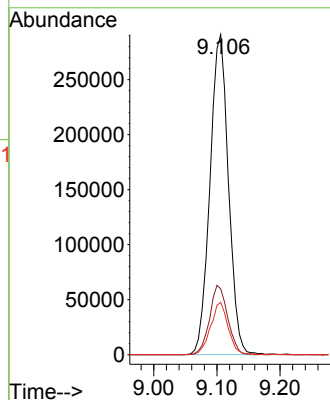
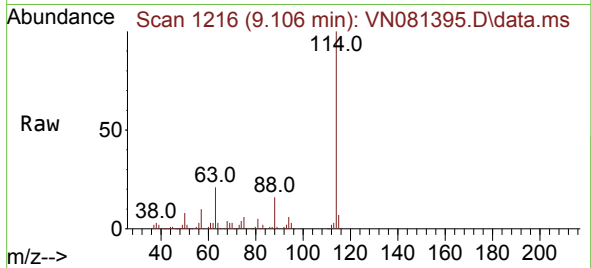




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

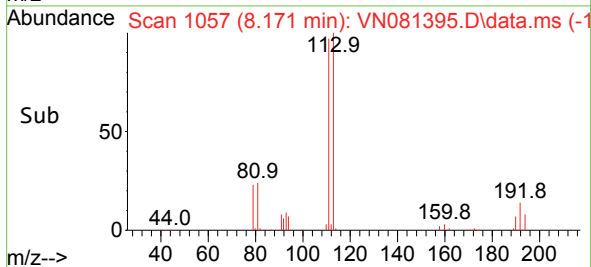
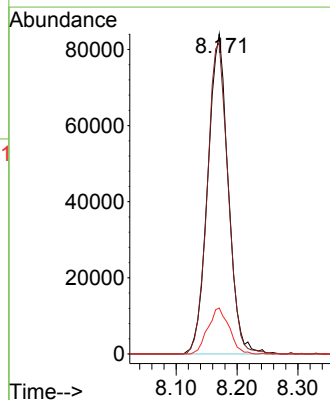
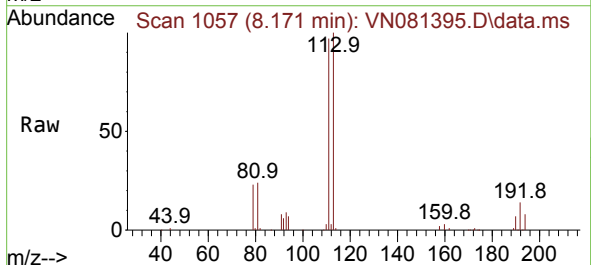
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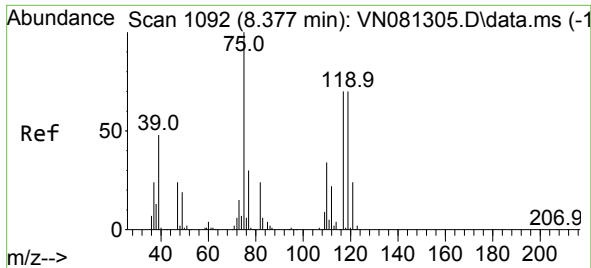
Tgt Ion:114 Resp: 591925
Ion Ratio Lower Upper
114 100
63 20.6 0.0 48.0
88 16.3 0.0 34.8



#35
Dibromofluoromethane
Concen: 54.098 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion:113 Resp: 196189
Ion Ratio Lower Upper
113 100
111 98.9 82.2 123.4
192 14.9 12.5 18.7

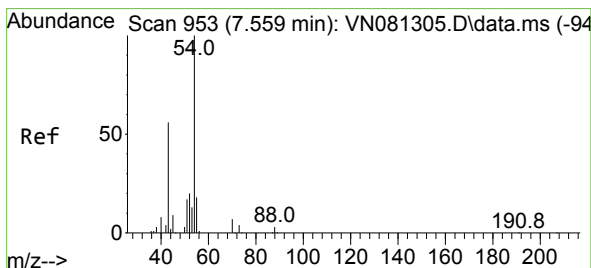
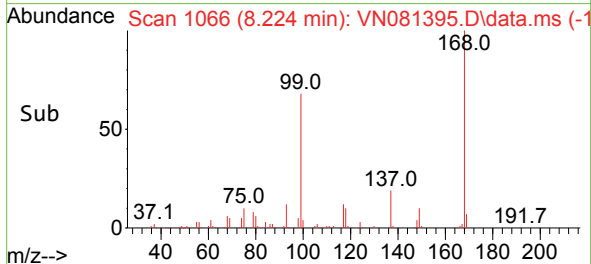
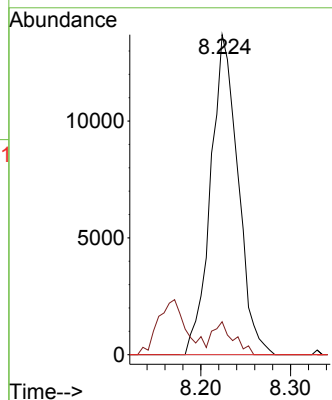
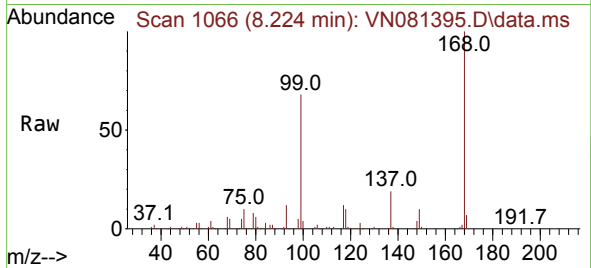




#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

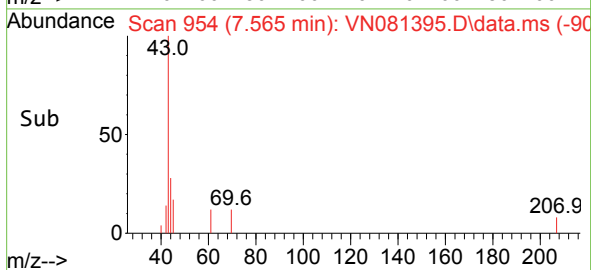
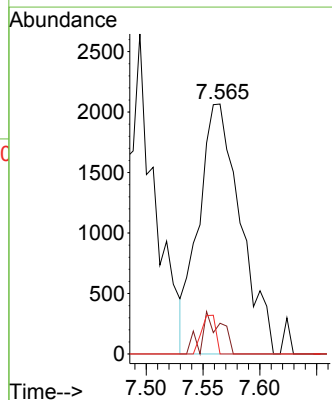
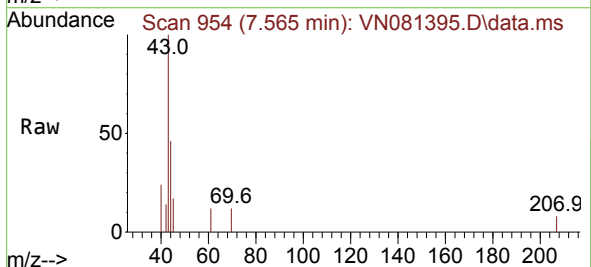
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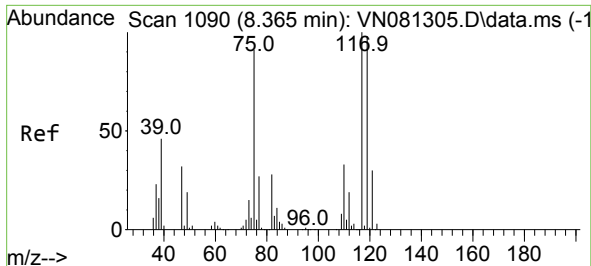
Tgt Ion: 75 Resp: 28982
Ion Ratio Lower Upper
75 100
110 7.7 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.927 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 43 Resp: 5299
Ion Ratio Lower Upper
43 100
61 8.0 10.6 15.8#
70 5.3 8.0 12.0#

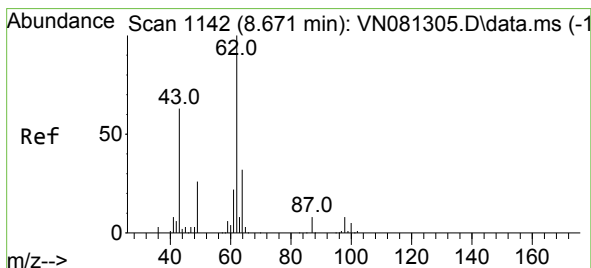
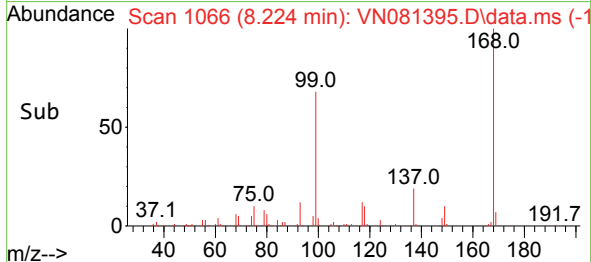
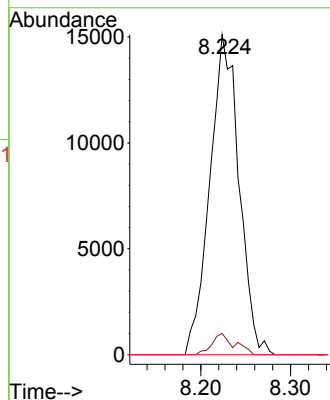
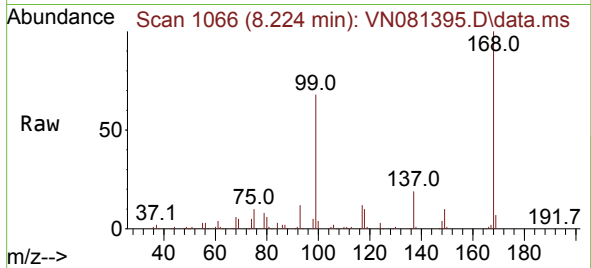




#38
Carbon Tetrachloride
Concen: 5.798 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

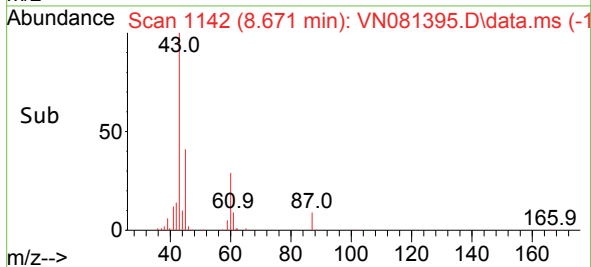
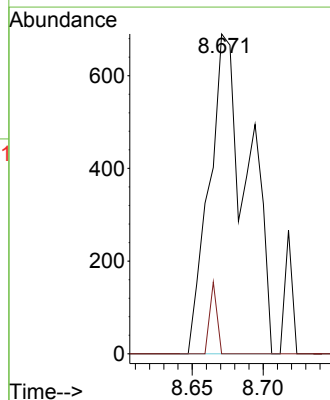
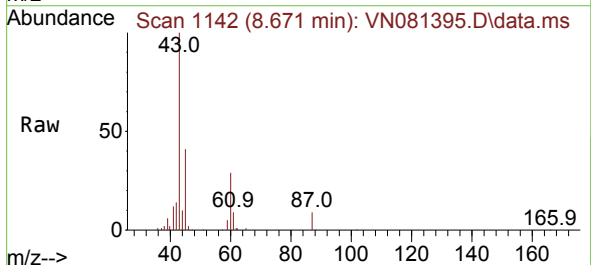
Instrument :
MSVOA_N
ClientSampleId :
WC-3

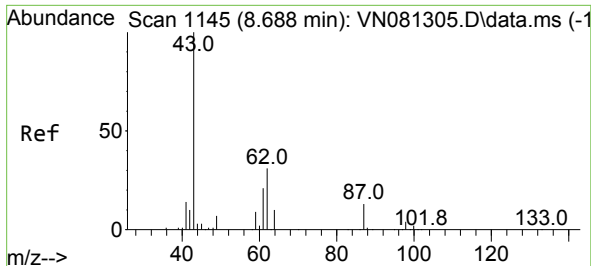
Tgt Ion:117 Resp: 34142
Ion Ratio Lower Upper
117 100
119 6.7 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.213 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 62 Resp: 1313
Ion Ratio Lower Upper
62 100
98 4.2 0.0 18.0

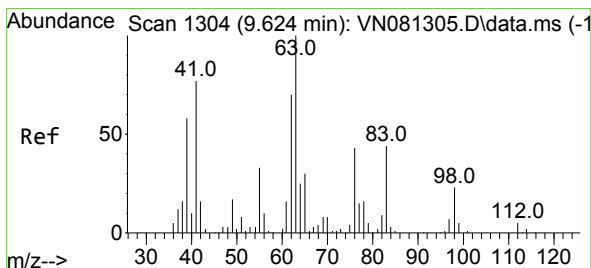
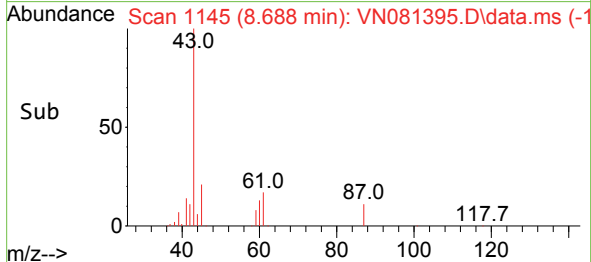
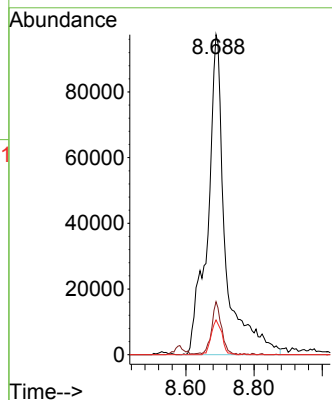
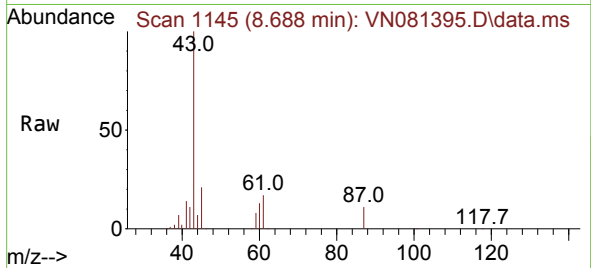




#43
Isopropyl Acetate
Concen: 35.340 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

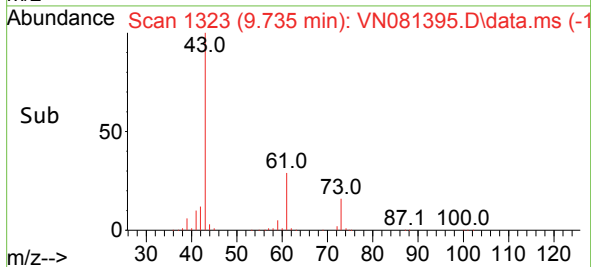
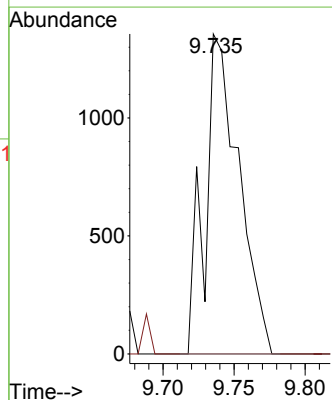
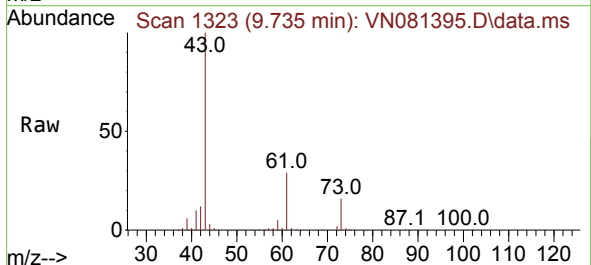
Instrument :
MSVOA_N
ClientSampleId :
WC-3

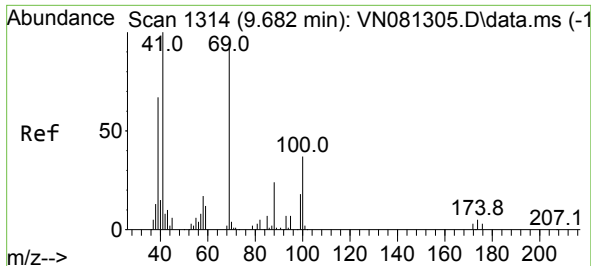
Tgt Ion: 43 Resp: 353771
Ion Ratio Lower Upper
43 100
61 9.3 19.9 29.9#
87 6.5 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.514 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.112 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 63 Resp: 2257
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

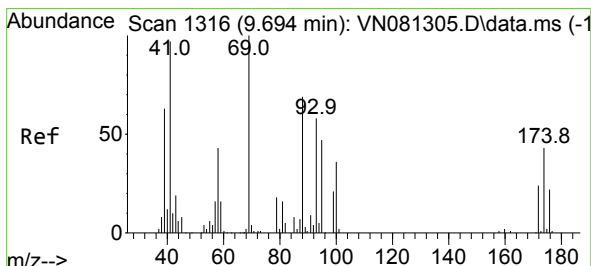
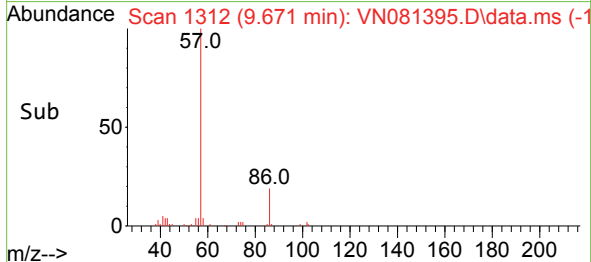
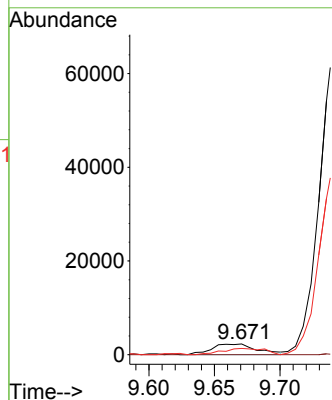
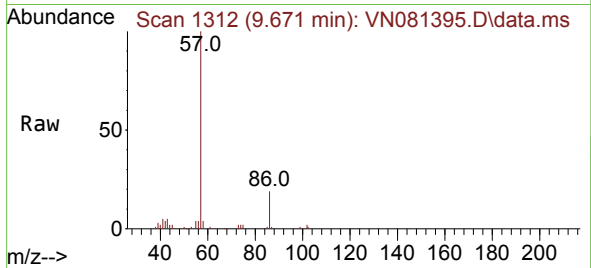




#48
Methyl methacrylate
Concen: 1.232 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

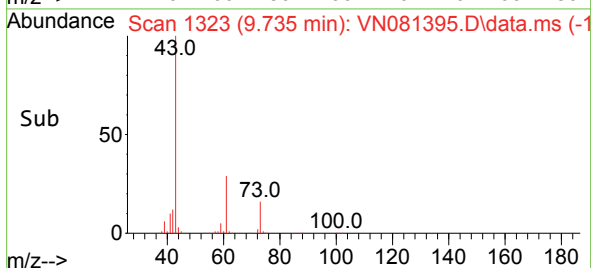
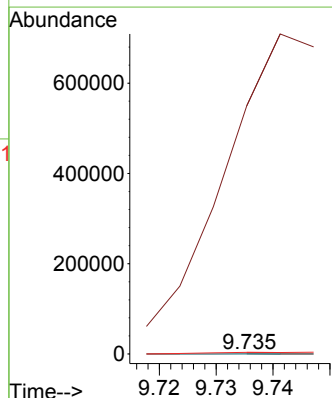
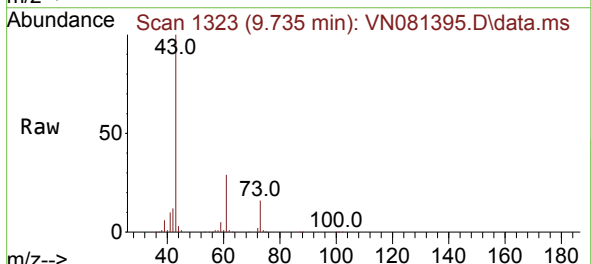
Instrument :
MSVOA_N
ClientSampleId :
WC-3

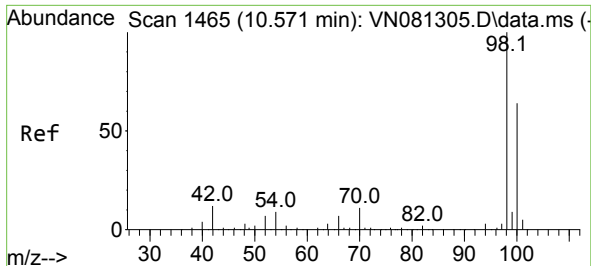
Tgt Ion: 41 Resp: 5453
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 55.9 47.6 71.4



#49
1,4-Dioxane
Concen: 0.779 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

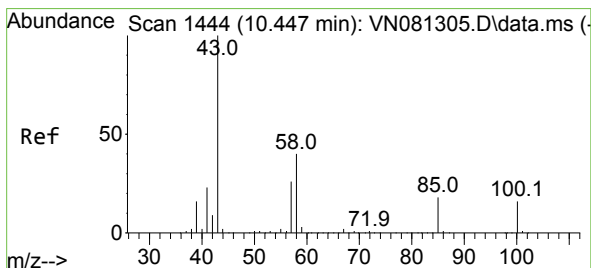
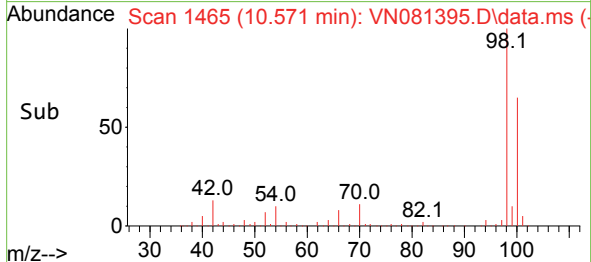
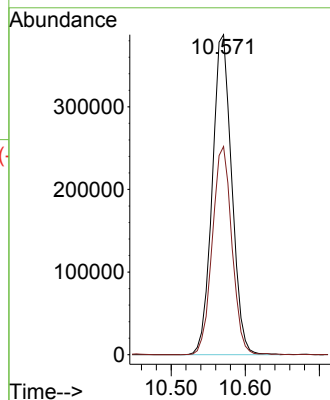
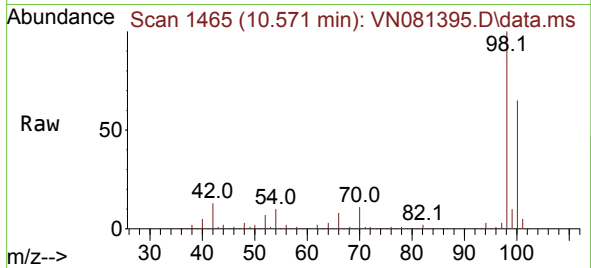




#50
Toluene-d8
Concen: 52.090 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

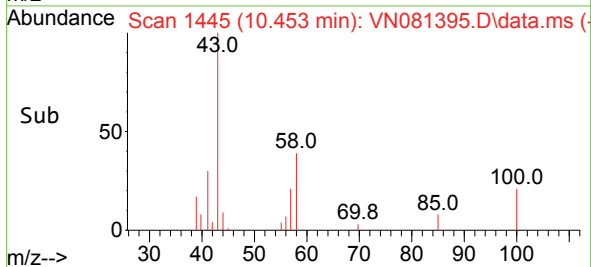
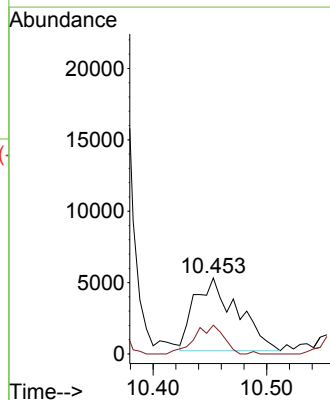
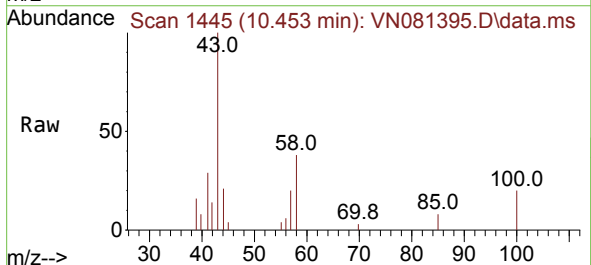
Instrument :
MSVOA_N
ClientSampleId :
WC-3

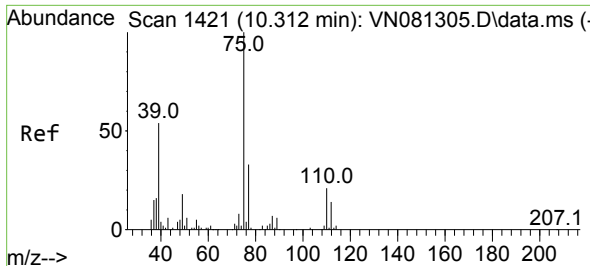
Tgt Ion: 98 Resp: 706174
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 2.289 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 43 Resp: 13305
Ion Ratio Lower Upper
43 100
58 26.9 29.4 44.0#

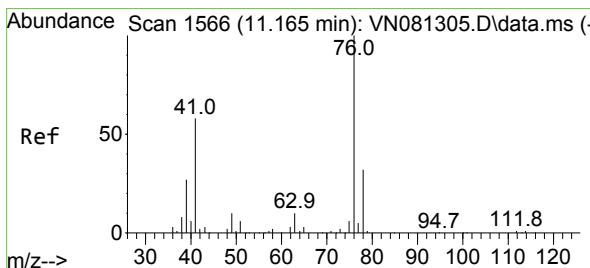
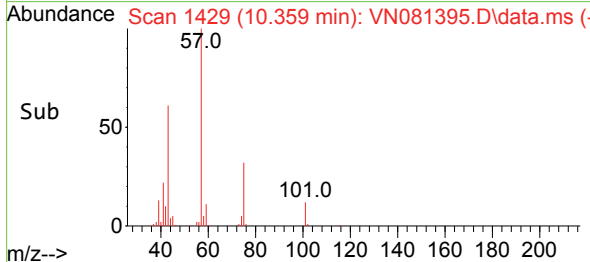
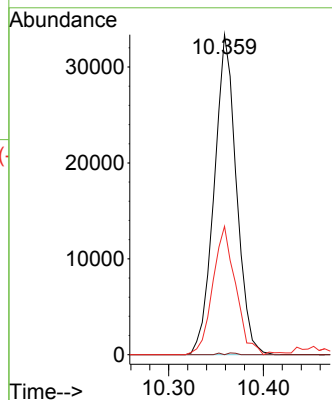
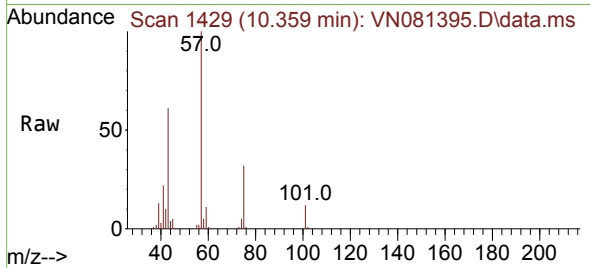




#54
cis-1,3-Dichloropropene
Concen: 7.762 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

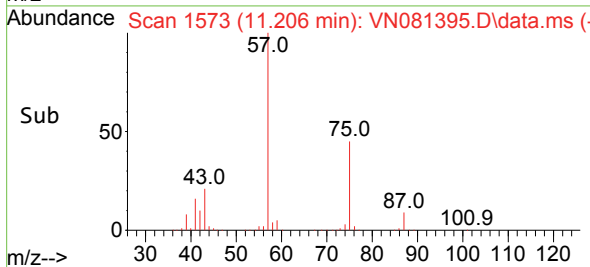
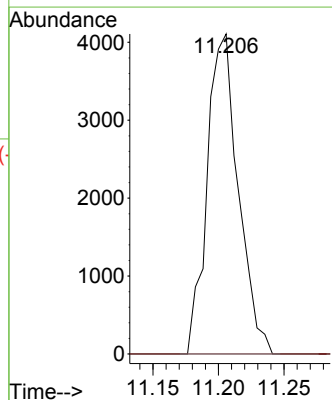
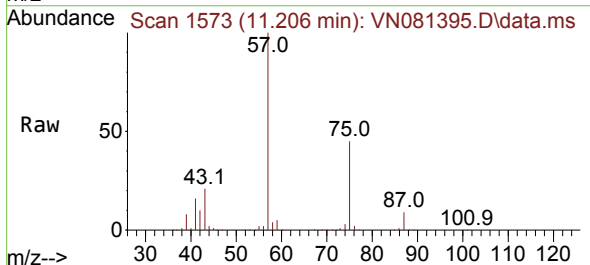
Instrument :
MSVOA_N
ClientSampleId :
WC-3

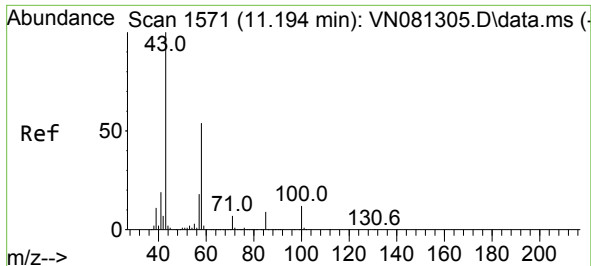
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	23.3	34.9#
39	40.1	44.6	66.8#



#57
1,3-Dichloropropane
Concen: 0.929 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.5	38.3#

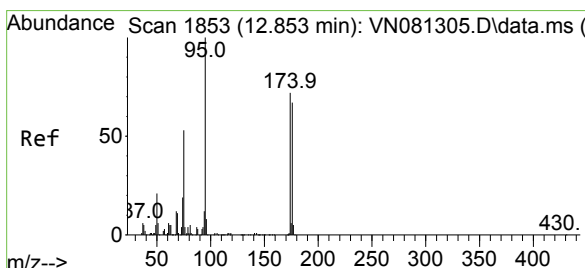
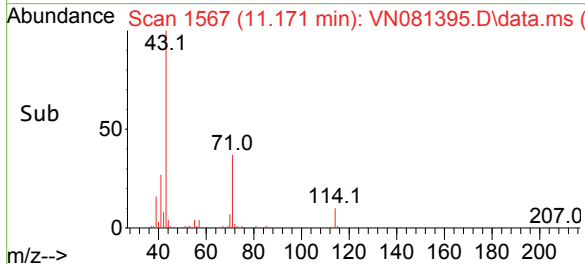
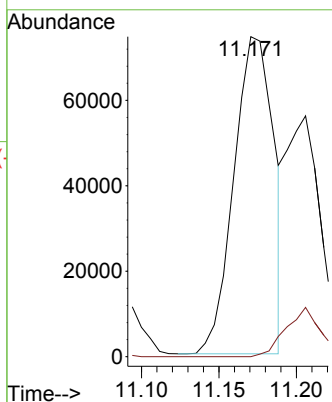
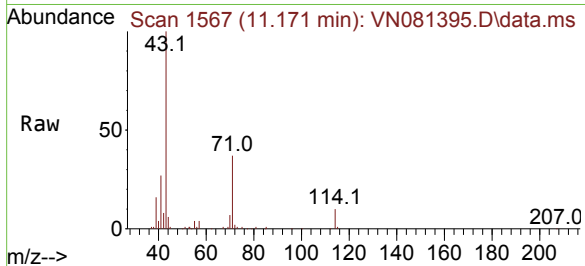




#59
2-Hexanone
Concen: 30.594 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

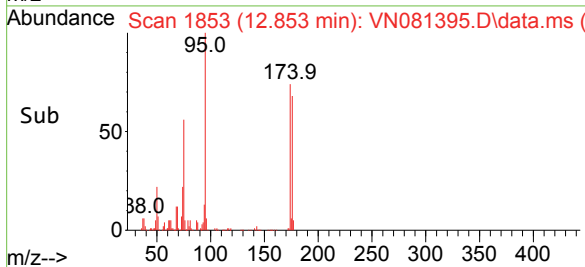
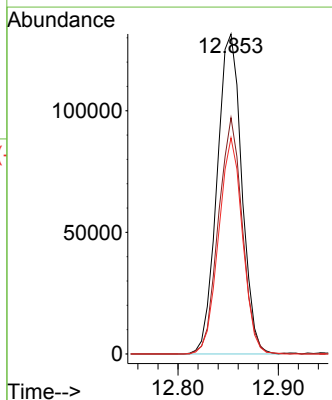
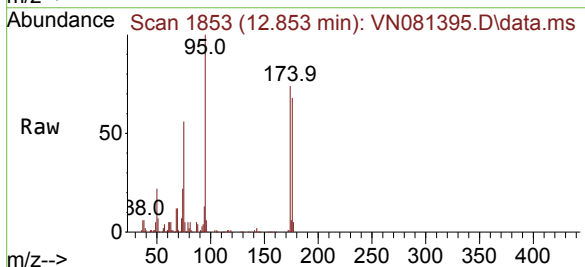
Instrument :
MSVOA_N
ClientSampleId :
WC-3

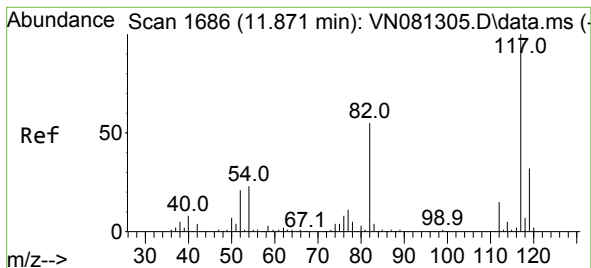
Tgt Ion: 43 Resp: 132942
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 46.849 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 95 Resp: 224476
Ion Ratio Lower Upper
95 100
174 71.4 0.0 120.4
176 65.3 0.0 121.0

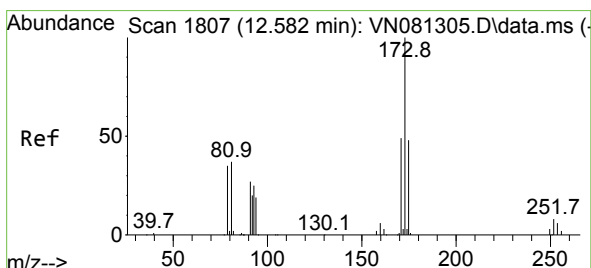
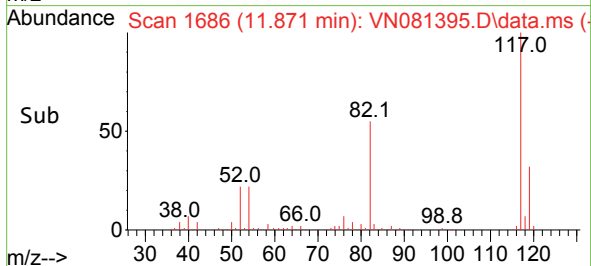
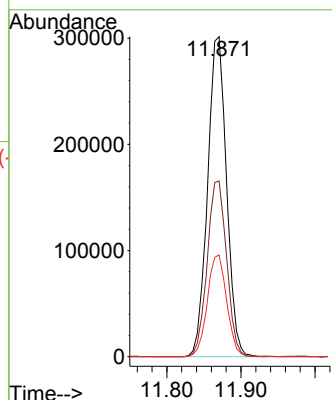
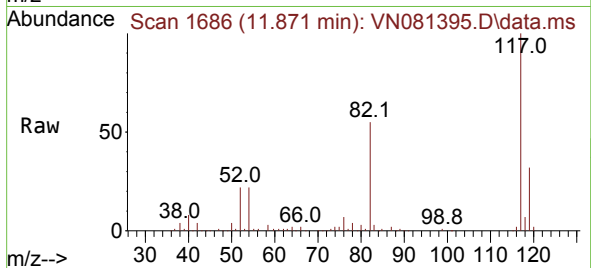




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

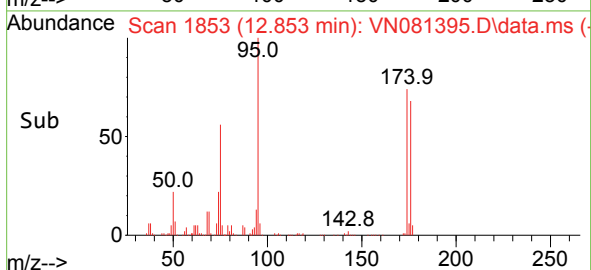
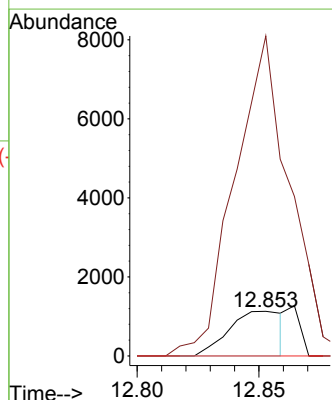
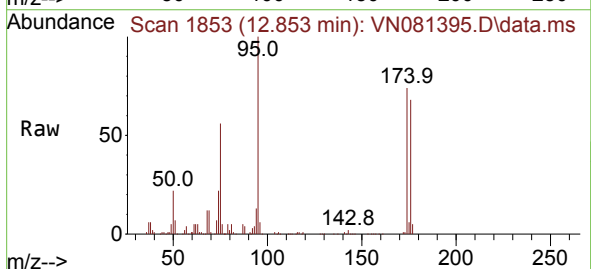
Instrument :
MSVOA_N
ClientSampleId :
WC-3

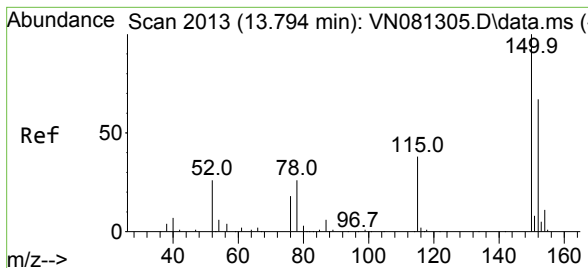
Tgt Ion:117 Resp: 536078
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 31.8 25.3 37.9



#71
Bromoform
Concen: 0.608 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion:173 Resp: 1745
Ion Ratio Lower Upper
173 100
175 585.2 23.1 69.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081395.D

Acq: 13 Mar 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

WC-3

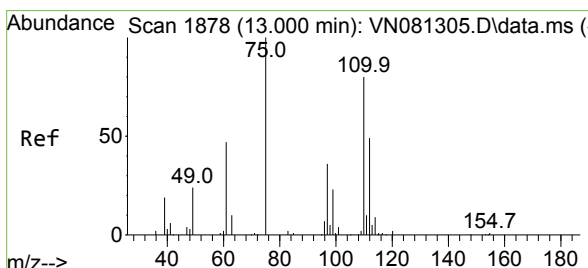
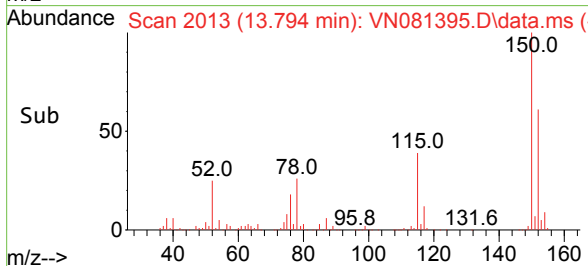
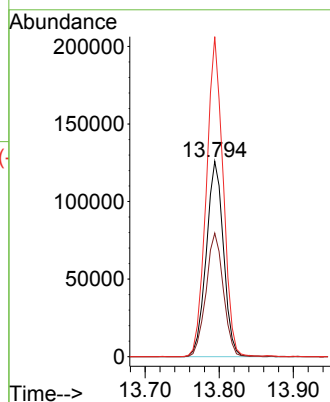
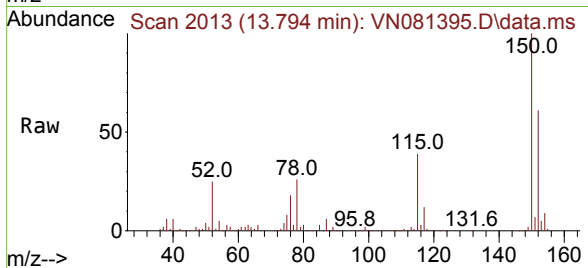
Tgt Ion:152 Resp: 202905

Ion Ratio Lower Upper

152 100

115 63.8 32.3 96.8

150 159.5 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.244 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081395.D

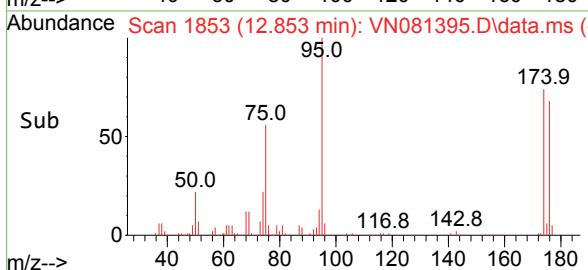
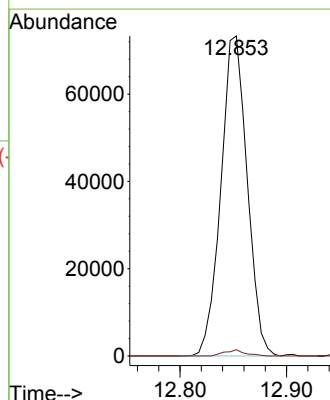
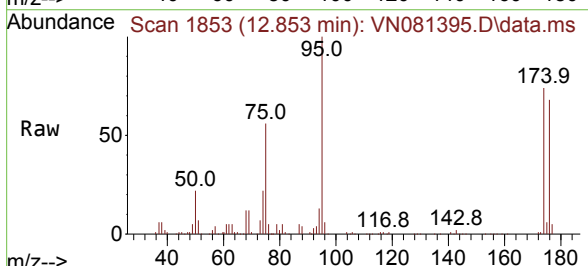
Acq: 13 Mar 2024 15:31

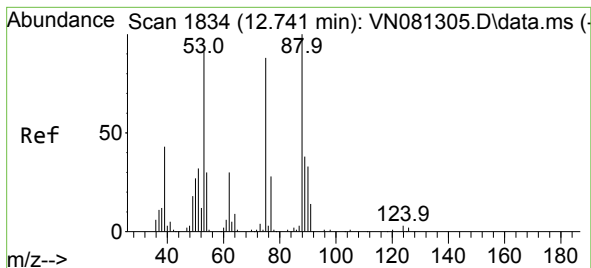
Tgt Ion: 75 Resp: 125775

Ion Ratio Lower Upper

75 100

77 1.5 91.0 272.8#

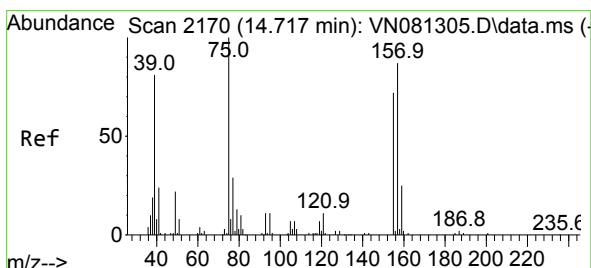
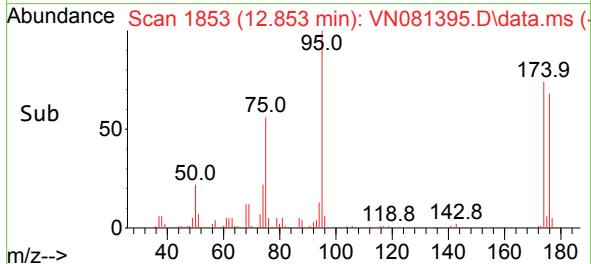
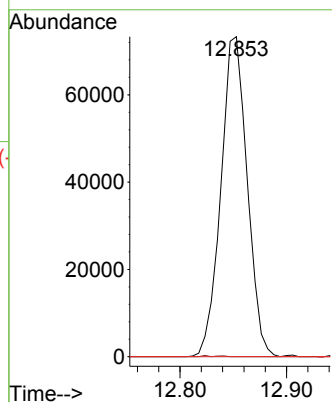
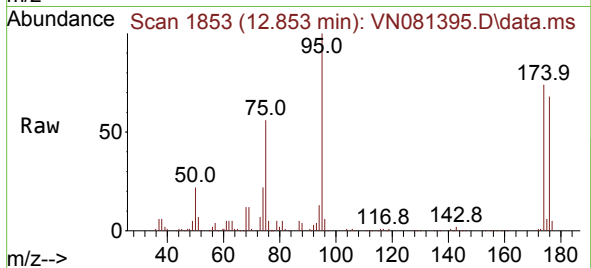




#81
trans-1,4-Dichloro-2-butene
Concen: 73.242 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Instrument :
MSVOA_N
ClientSampleId :
WC-3

Tgt Ion: 75 Resp: 125775
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.776 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.024 min
Lab File: VN081395.D
Acq: 13 Mar 2024 15:31

Tgt Ion: 75 Resp: 840
Ion Ratio Lower Upper
75 100
155 0.0 31.8 95.4#
157 0.0 41.1 123.4#

