

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081286.D
 Acq On : 01 Mar 2024 15:31
 Operator : JC\MD
 Sample : P1602-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Mar 01 22:19:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

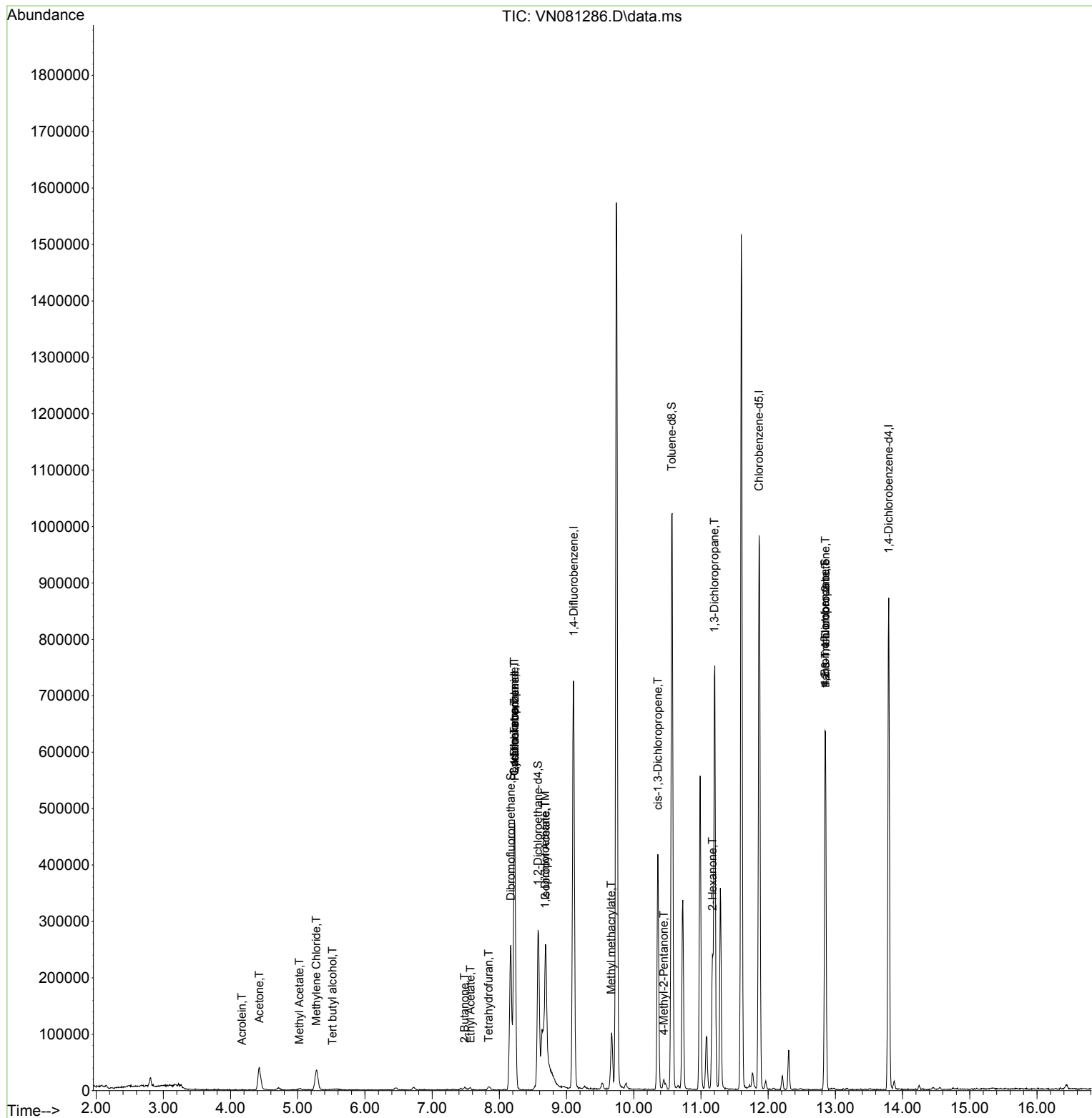
Internal Standards						
1) Pentafluorobenzene	8.230	168	328735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	627394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	564119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	229134	56.866	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.740%	
35) Dibromofluoromethane	8.171	113	178293	50.256	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.520%	
50) Toluene-d8	10.565	98	711987	56.504	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.000%	
62) 4-Bromofluorobenzene	12.847	95	217912	46.024	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	506	Below Cal	#	43
6) Chloroethane	3.106	64	155	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	423	0.571	ug/l #	72
13) Acrolein	4.171	56	564	1.420	ug/l #	15
16) Acetone	4.430	43	75462	47.596	ug/l	100
18) Methyl Acetate	5.024	43	4859	1.256	ug/l #	89
20) Methylene Chloride	5.277	84	27827	5.966	ug/l #	81
25) 2-Butanone	7.483	43	7562	2.952	ug/l	96
29) Tetrahydrofuran	7.841	42	4459	2.608	ug/l #	90
31) Cyclohexane	8.224	56	8166	1.174	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	31576	5.195	ug/l #	52
37) Ethyl Acetate	7.571	43	6013	1.096	ug/l #	92
38) Carbon Tetrachloride	8.224	117	39027	6.347	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1626	0.265	ug/l #	75
43) Isopropyl Acetate	8.688	43	445463	46.433	ug/l #	76
48) Methyl methacrylate	9.665	41	6163	1.381	ug/l #	48
49) 1,4-Dioxane	9.665	88	56	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.447	43	17683	3.204	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	74898	10.272	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	8078	1.091	ug/l #	43
59) 2-Hexanone	11.171	43	176395	40.316	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	121847	24.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121847	63.263	ug/l #	14

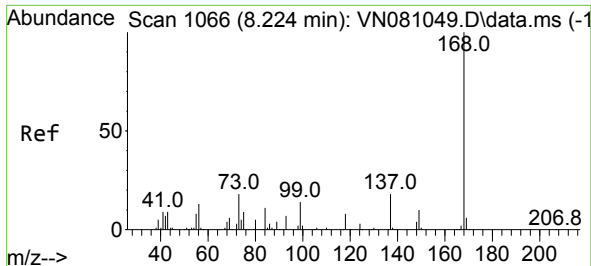
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

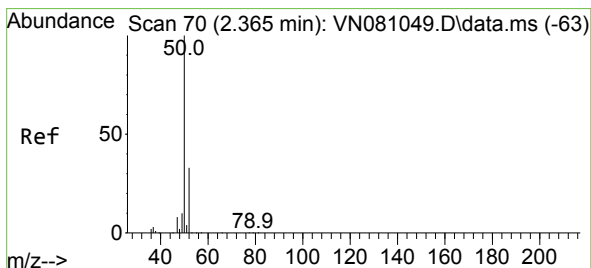
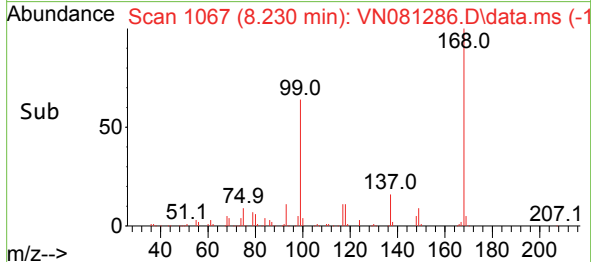
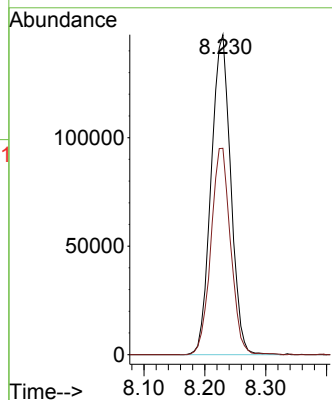
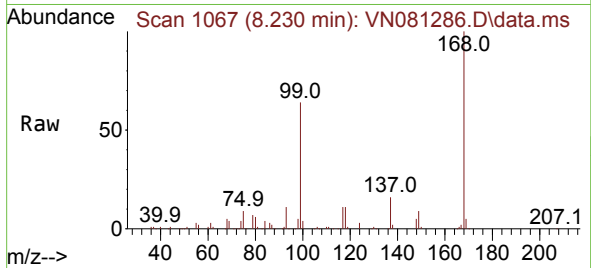




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

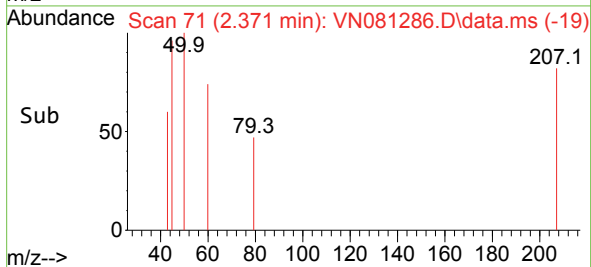
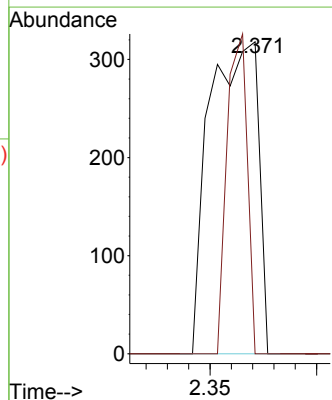
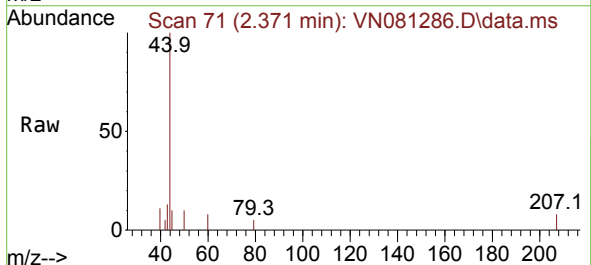
Instrument :
MSVOA_N
ClientSampleId :
WC-2

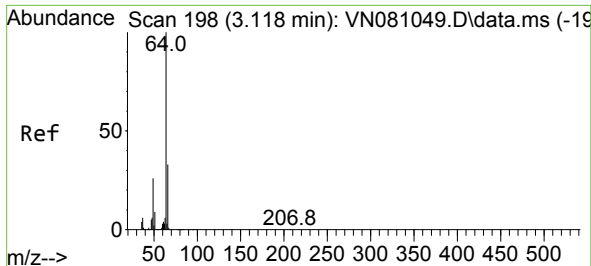
Tgt Ion:168 Resp: 328735
Ion Ratio Lower Upper
168 100
99 64.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 50 Resp: 506
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

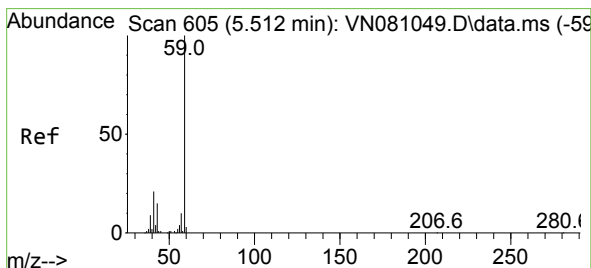
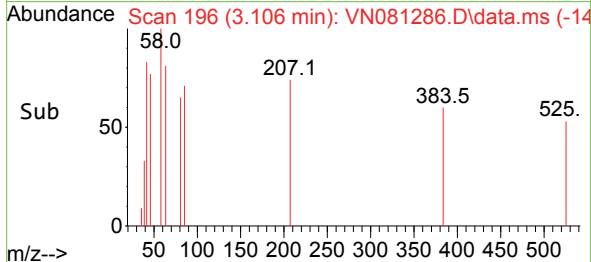
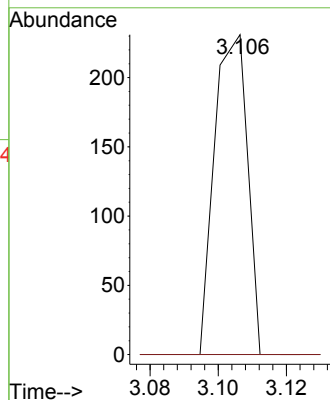
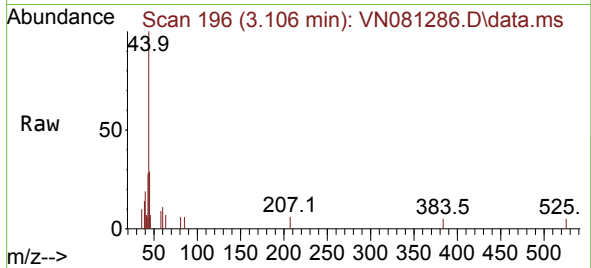




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 198
Delta R.T. -0.012 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

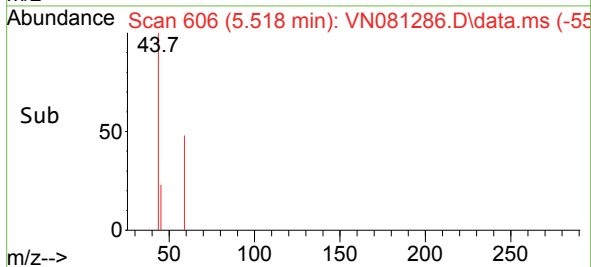
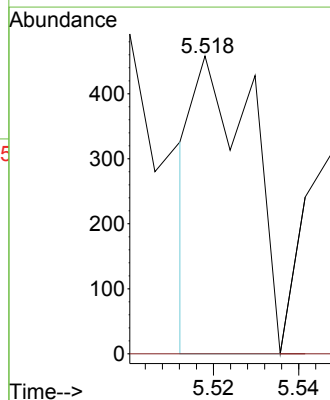
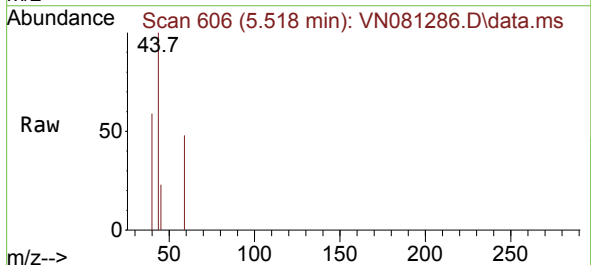
Instrument :
MSVOA_N
ClientSampleId :
WC-2

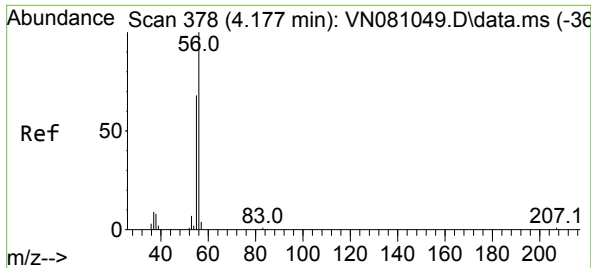
Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.571 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

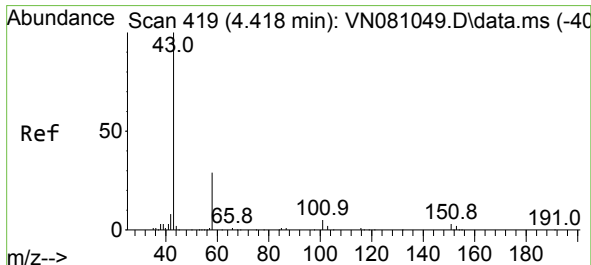
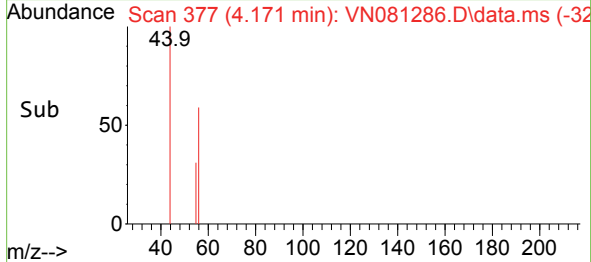
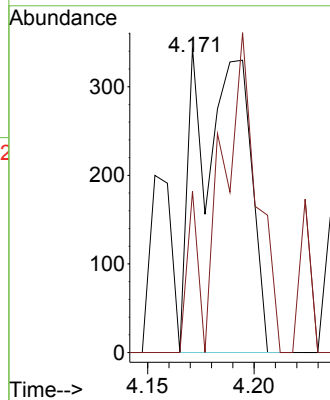
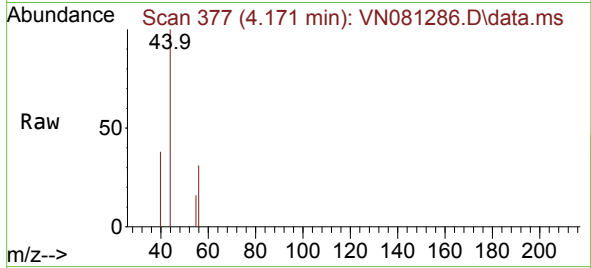




#13
Acrolein
Concen: 1.420 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

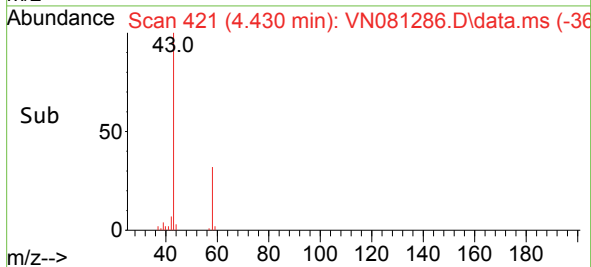
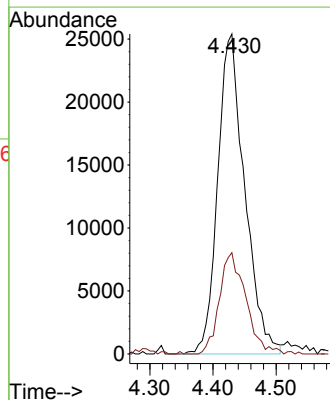
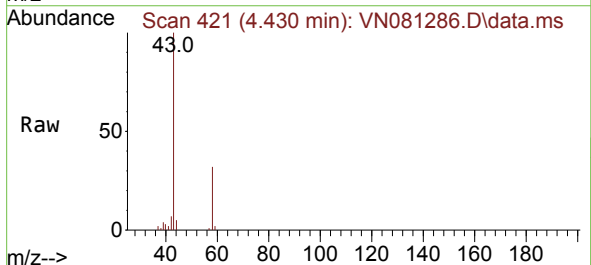
Instrument :
MSVOA_N
ClientSampleId :
WC-2

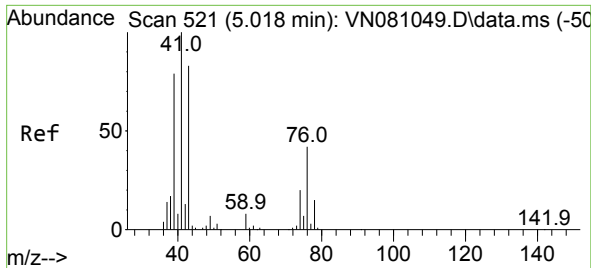
Tgt Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 47.596 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 43 Resp: 75462
Ion Ratio Lower Upper
43 100
58 30.9 24.8 37.2

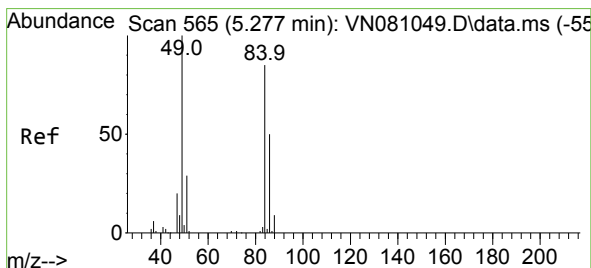
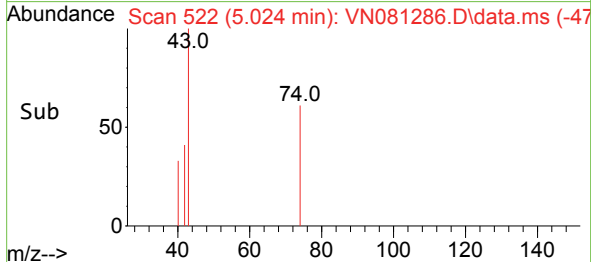
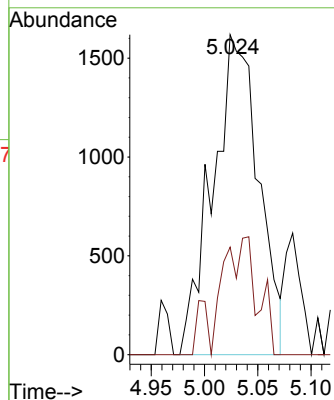
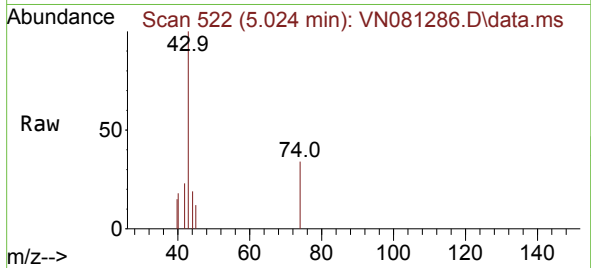




#18
Methyl Acetate
Concen: 1.256 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

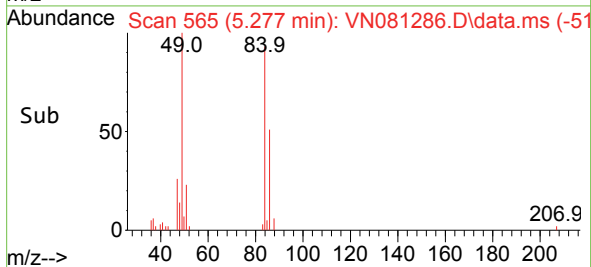
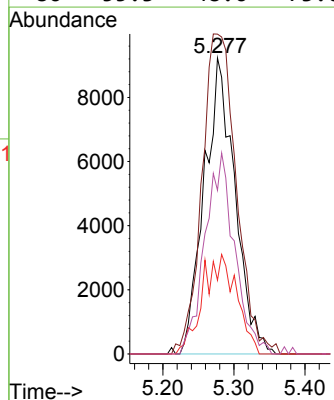
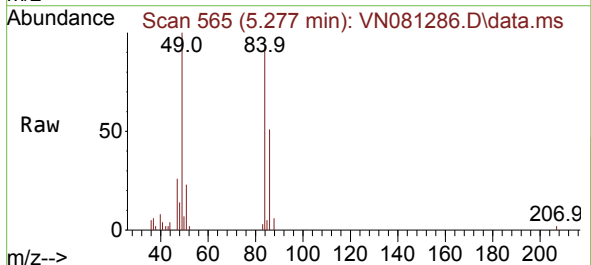
Instrument :
MSVOA_N
ClientSampleId :
WC-2

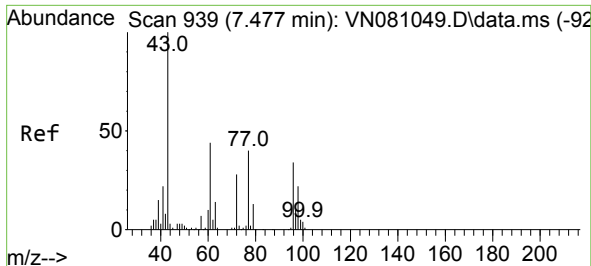
Tgt Ion: 43 Resp: 4859
Ion Ratio Lower Upper
43 100
74 26.7 17.3 25.9#



#20
Methylene Chloride
Concen: 5.966 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 84 Resp: 27827
Ion Ratio Lower Upper
84 100
49 108.0 108.1 162.1#
51 24.9 32.9 49.3#
86 55.3 48.6 73.0

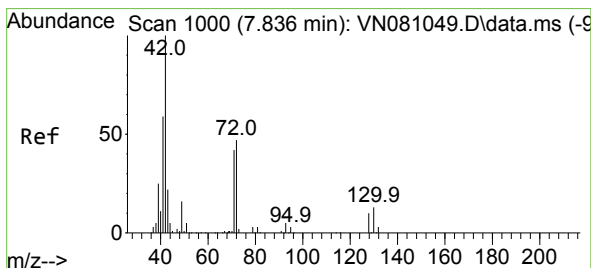
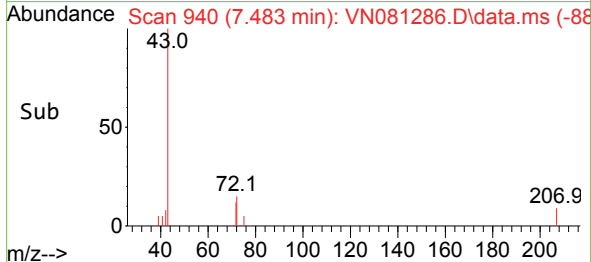
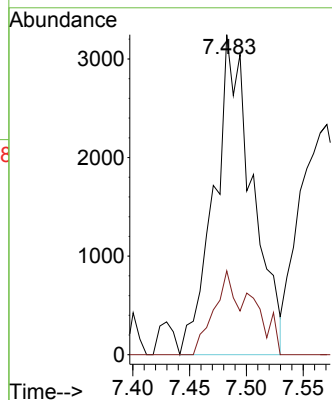
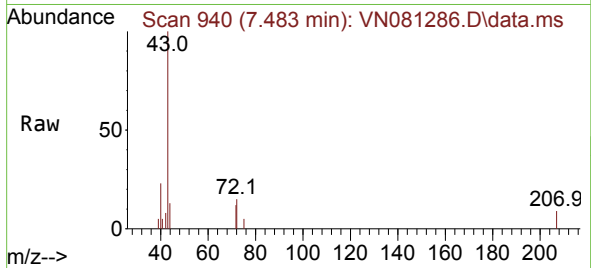




#25
2-Butanone
Concen: 2.952 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

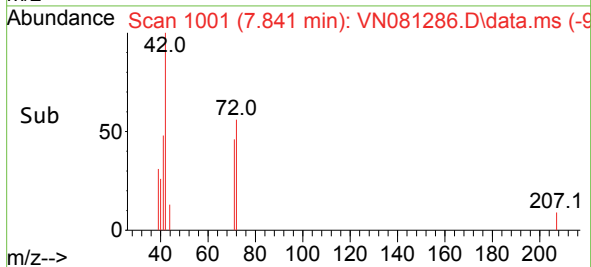
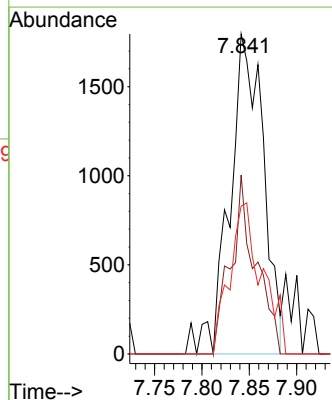
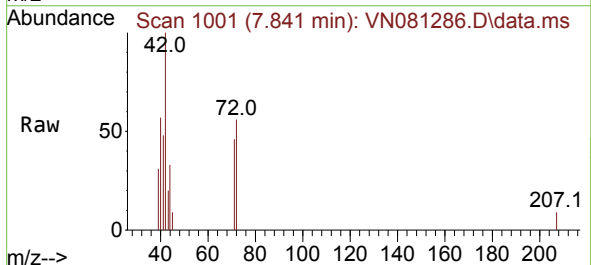
Instrument :
MSVOA_N
ClientSampleId :
WC-2

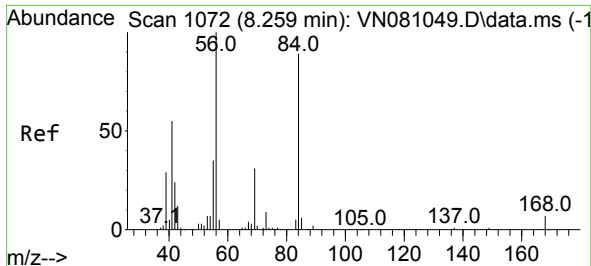
Tgt Ion: 43 Resp: 7562
Ion Ratio Lower Upper
43 100
72 26.2 19.5 29.3



#29
Tetrahydrofuran
Concen: 2.608 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 42 Resp: 4459
Ion Ratio Lower Upper
42 100
72 41.6 31.1 46.7
71 45.3 28.3 42.5#

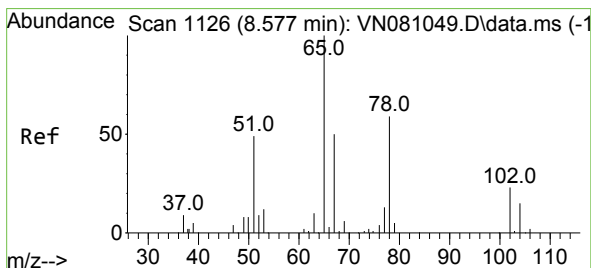
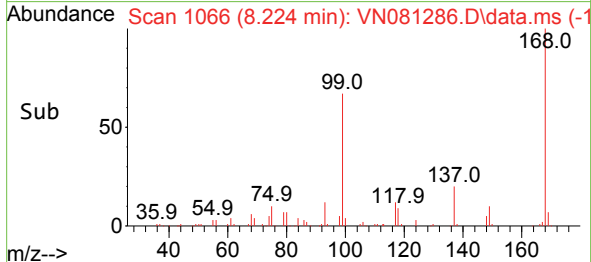
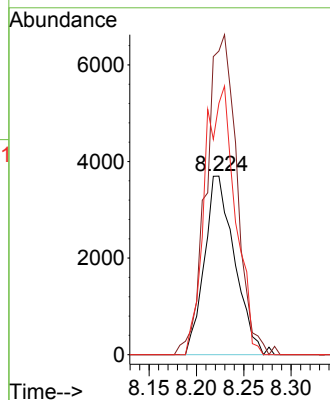
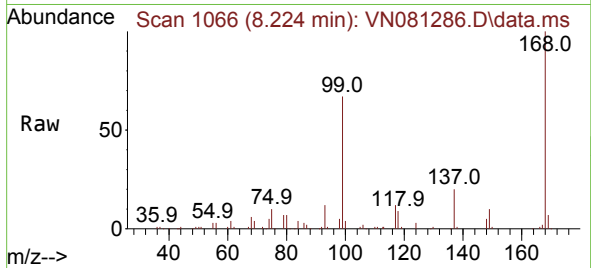




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

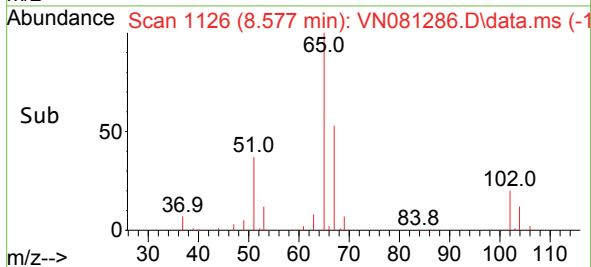
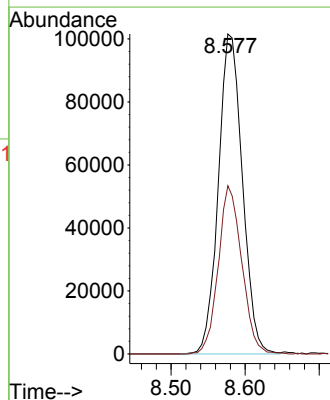
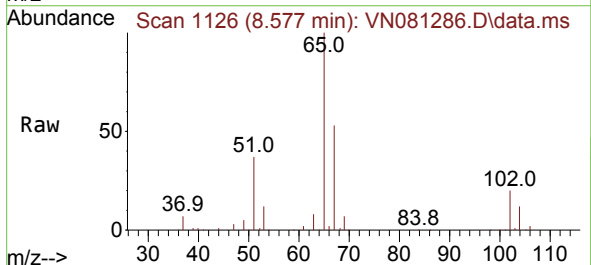
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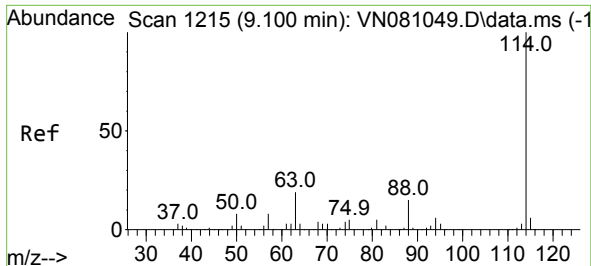
Tgt Ion: 56 Resp: 8166
Ion Ratio Lower Upper
56 100
69 170.1 20.1 30.1#
84 140.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 56.866 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

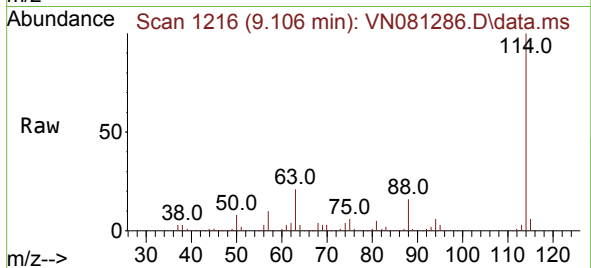
Tgt Ion: 65 Resp: 229134
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4



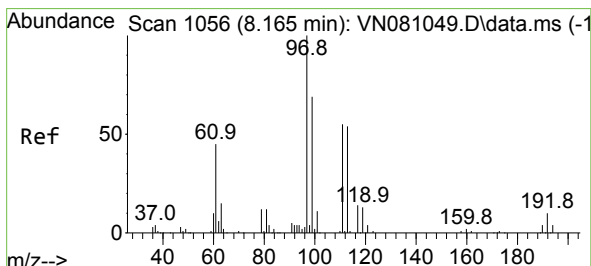
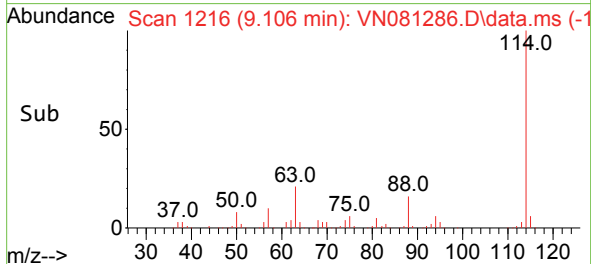
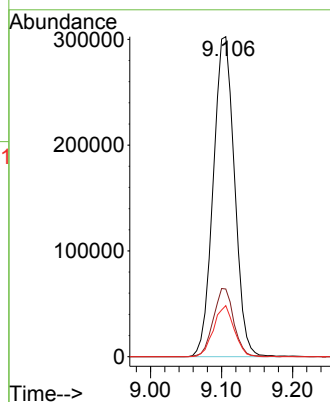


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Instrument :
MSVOA_N
ClientSampleId :
WC-2

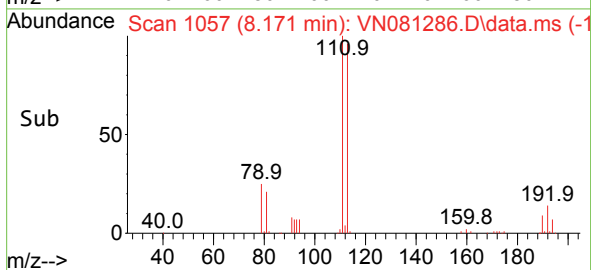
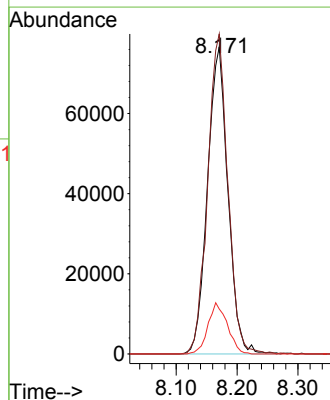
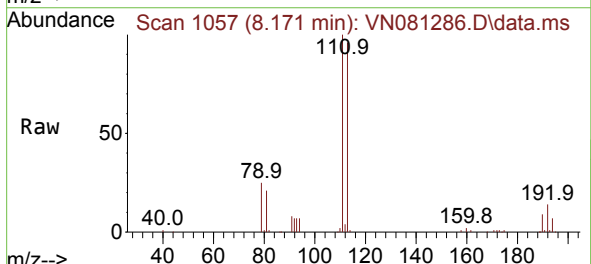


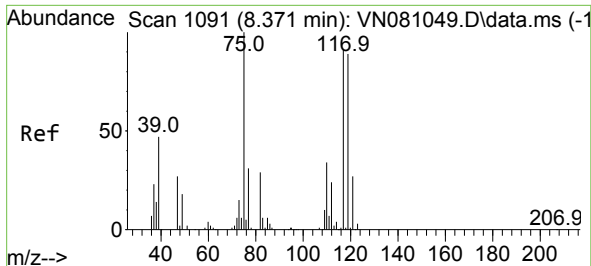
Tgt Ion:114 Resp: 627394
Ion Ratio Lower Upper
114 100
63 21.2 0.0 48.0
88 16.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.256 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion:113 Resp: 178293
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 15.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.195 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081286.D

Acq: 01 Mar 2024 15:31

Instrument :

MSVOA_N

ClientSampleId :

WC-2

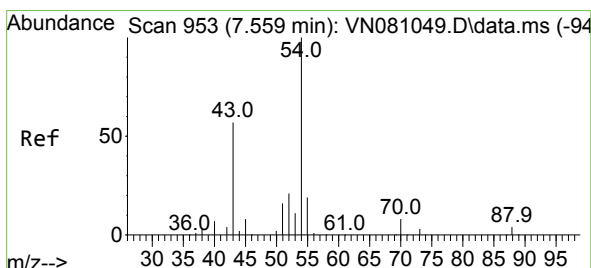
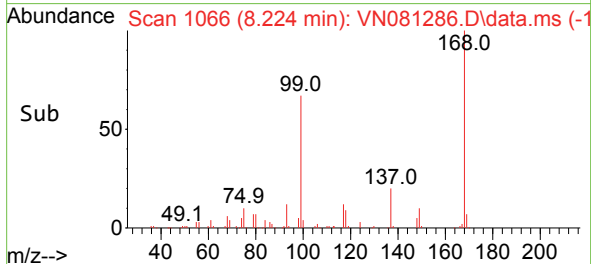
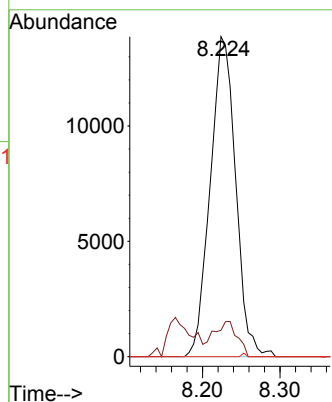
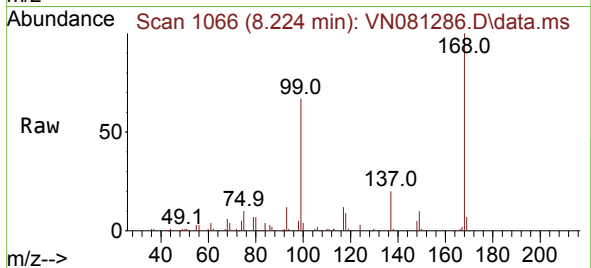
Tgt Ion: 75 Resp: 31576

Ion Ratio Lower Upper

75 100

110 10.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.096 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN081286.D

Acq: 01 Mar 2024 15:31

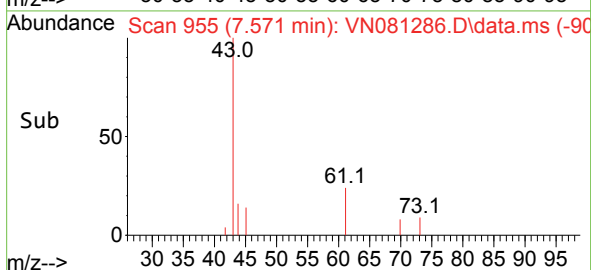
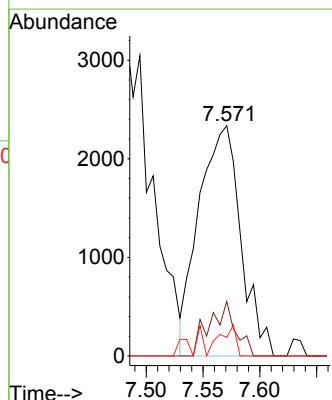
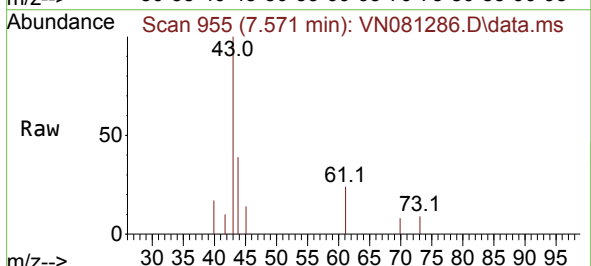
Tgt Ion: 43 Resp: 6013

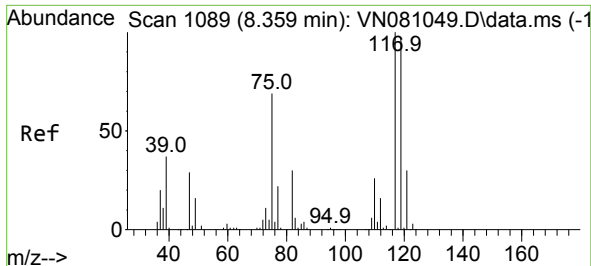
Ion Ratio Lower Upper

43 100

61 14.8 10.6 15.8

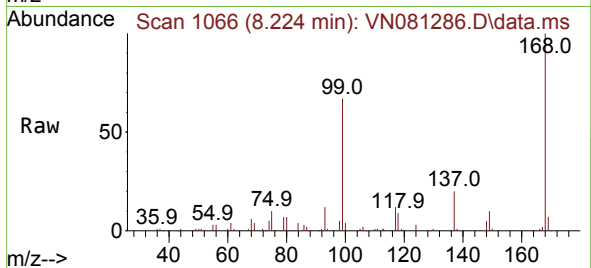
70 5.1 8.0 12.0#



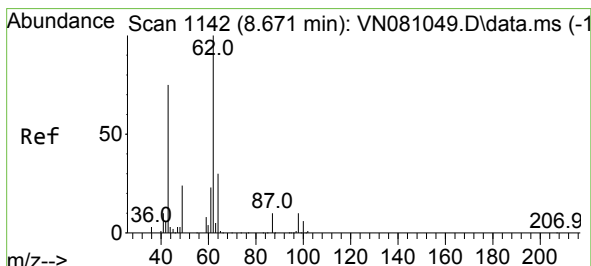
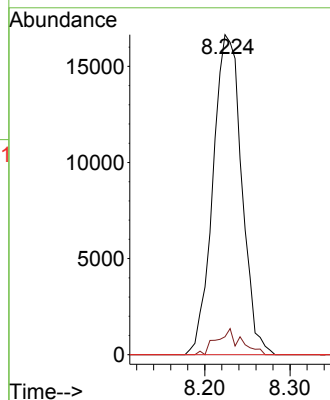
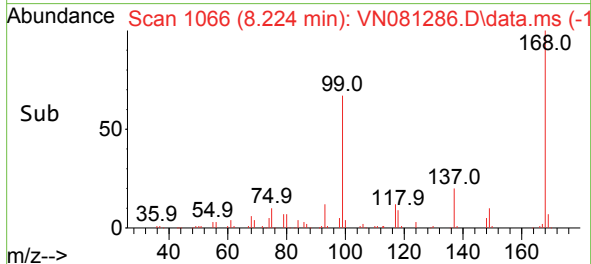


#38
Carbon Tetrachloride
Concen: 6.347 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

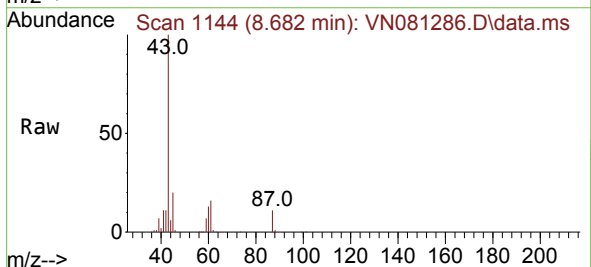
Instrument :
MSVOA_N
ClientSampleId :
WC-2



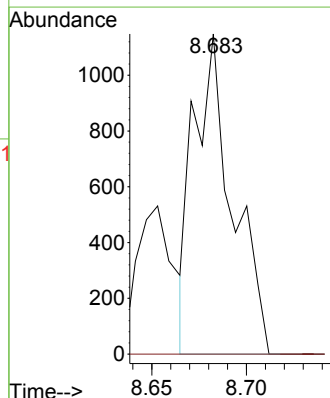
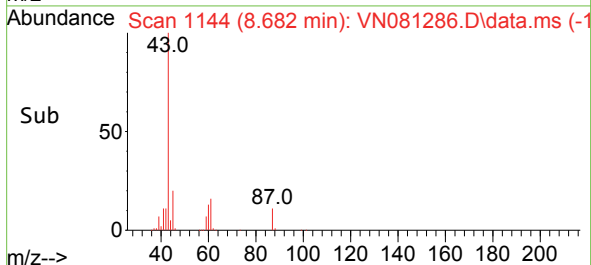
Tgt Ion:117 Resp: 39027
Ion Ratio Lower Upper
117 100
119 5.6 73.4 110.2#
121 0.0 24.4 36.6#

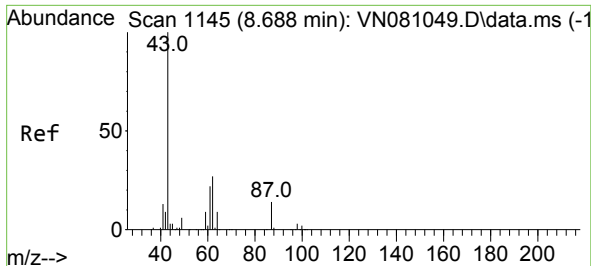


#42
1,2-Dichloroethane
Concen: 0.265 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31



Tgt Ion: 62 Resp: 1626
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0

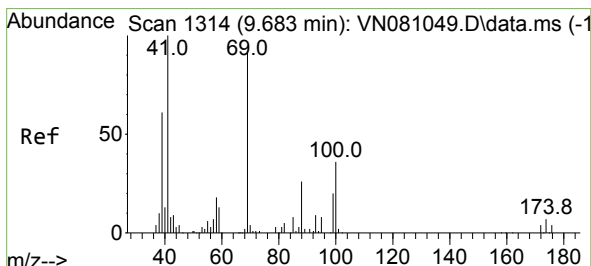
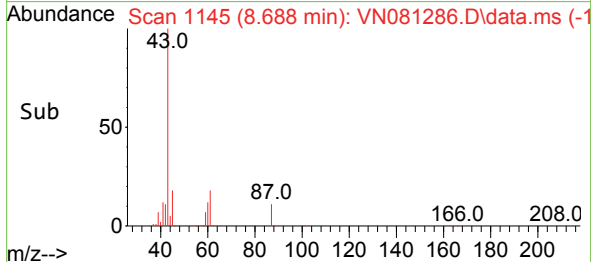
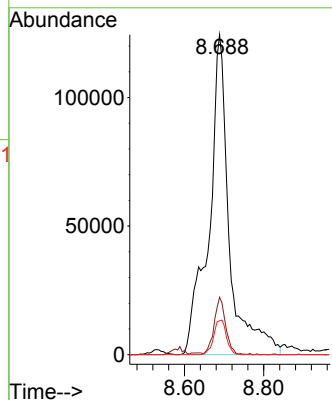
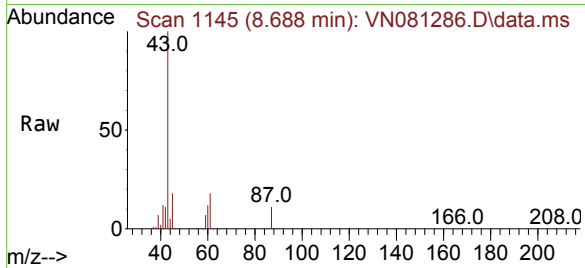




#43
Isopropyl Acetate
Concen: 46.433 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

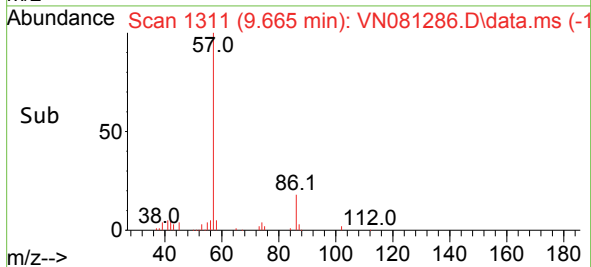
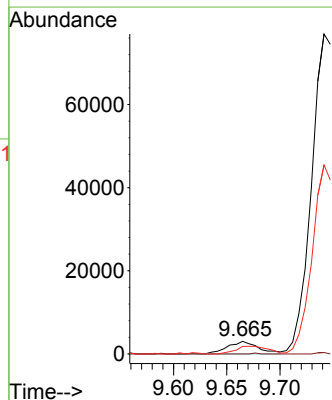
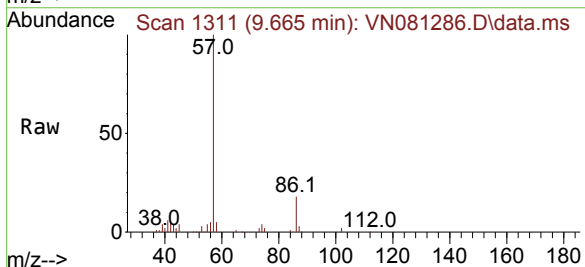
Instrument :
MSVOA_N
ClientSampleId :
WC-2

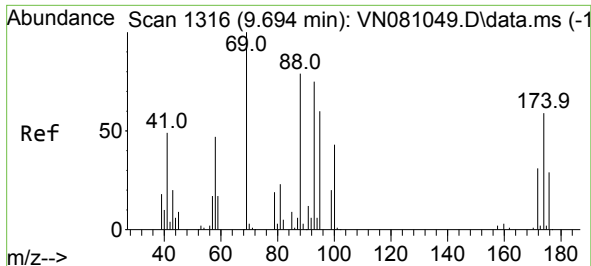
Tgt Ion: 43 Resp: 445463
Ion Ratio Lower Upper
43 100
61 10.1 19.9 29.9#
87 6.7 9.0 13.6#



#48
Methyl methacrylate
Concen: 1.381 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 41 Resp: 6163
Ion Ratio Lower Upper
41 100
69 1.3 62.2 93.2#
39 63.0 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.665 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN081286.D

Acq: 01 Mar 2024 15:31

Instrument :

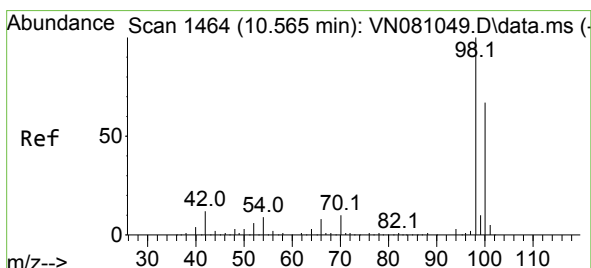
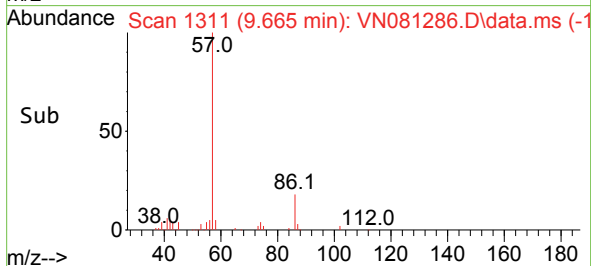
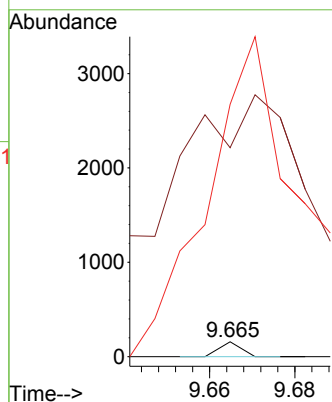
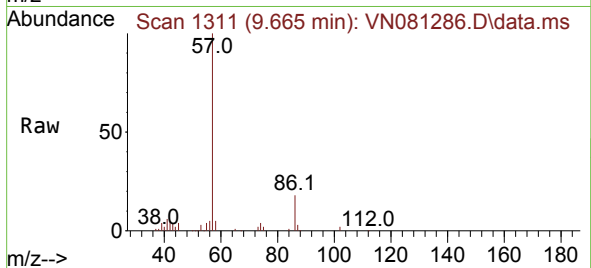
MSVOA_N

ClientSampleId :

WC-2

Tgt Ion: 88 Resp: 56

Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	9357.1	63.9	95.9#



#50

Toluene-d8

Concen: 56.504 ug/l

RT: 10.565 min Scan# 1464

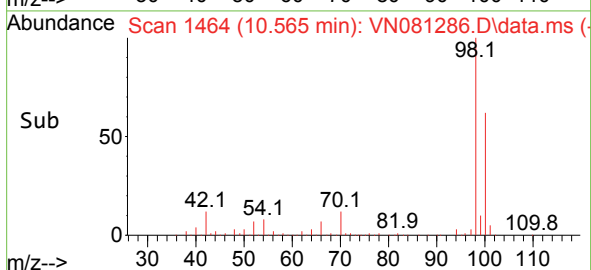
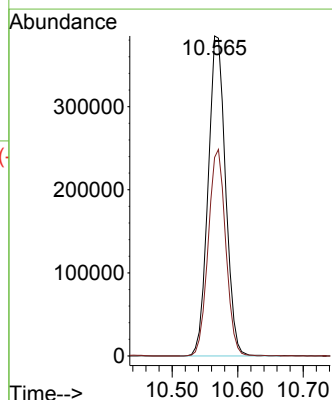
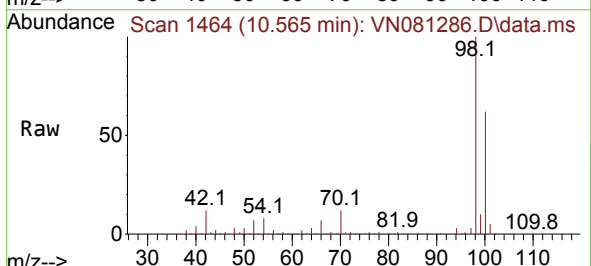
Delta R.T. -0.000 min

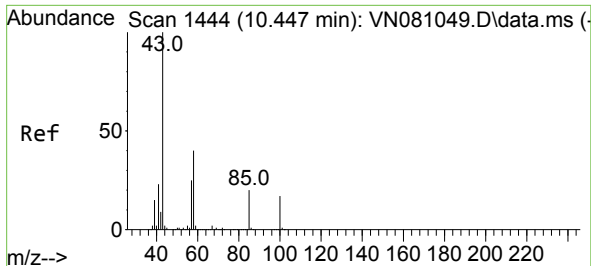
Lab File: VN081286.D

Acq: 01 Mar 2024 15:31

Tgt Ion: 98 Resp: 711987

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

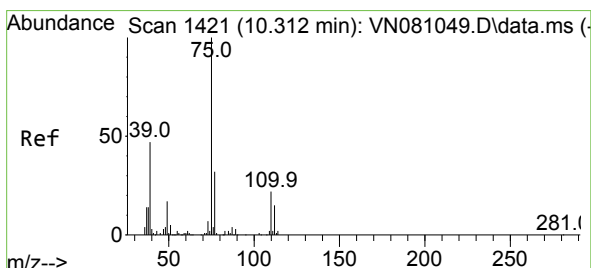
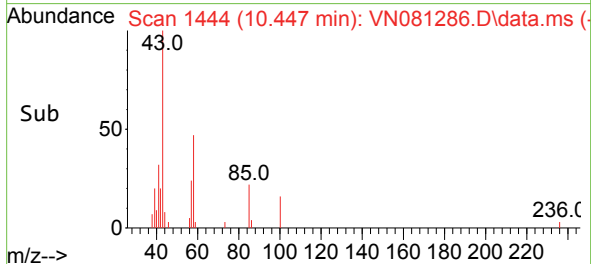
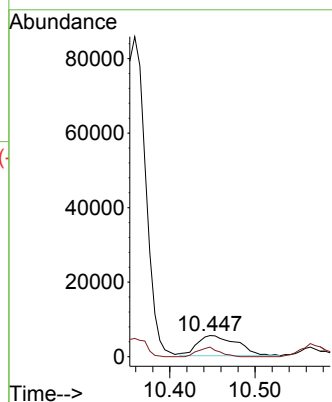
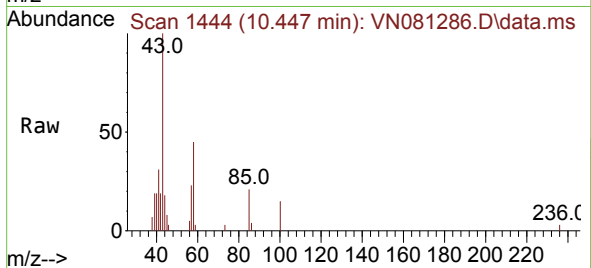




#51
4-Methyl-2-Pentanone
Concen: 3.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

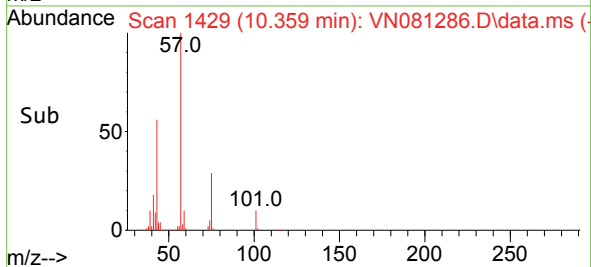
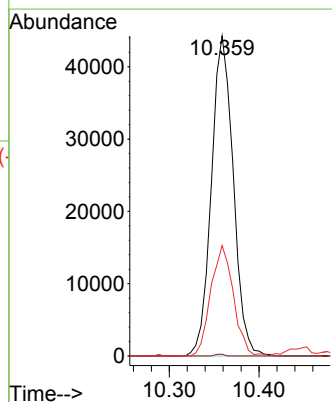
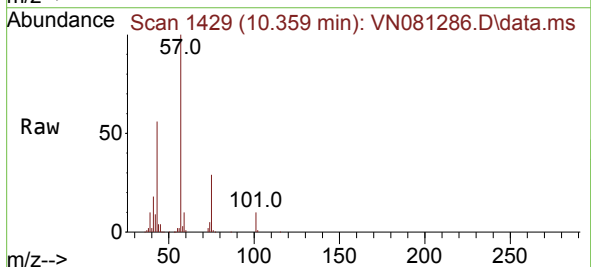
Instrument :
MSVOA_N
ClientSampleId :
WC-2

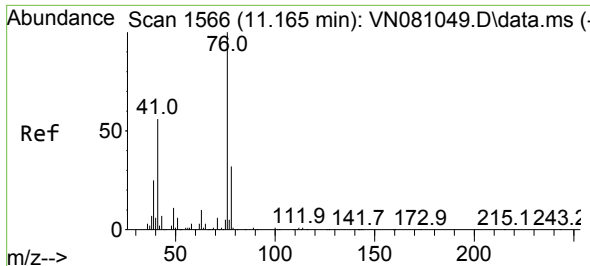
Tgt Ion: 43 Resp: 17683
Ion Ratio Lower Upper
43 100
58 25.0 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 10.272 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 75 Resp: 74898
Ion Ratio Lower Upper
75 100
77 0.5 23.3 34.9#
39 34.5 44.6 66.8#

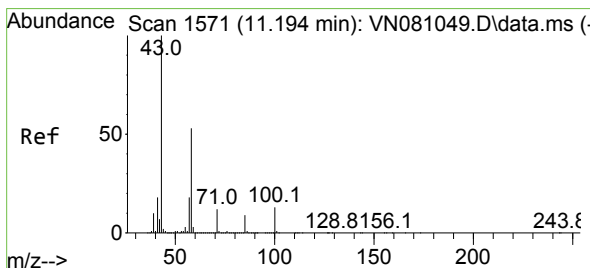
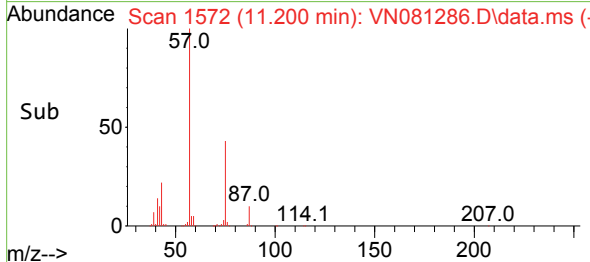
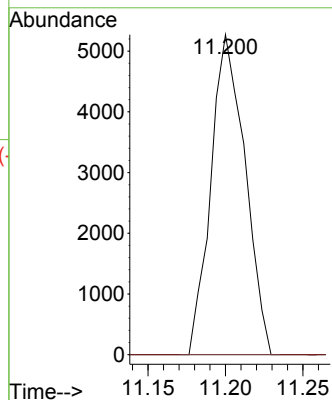
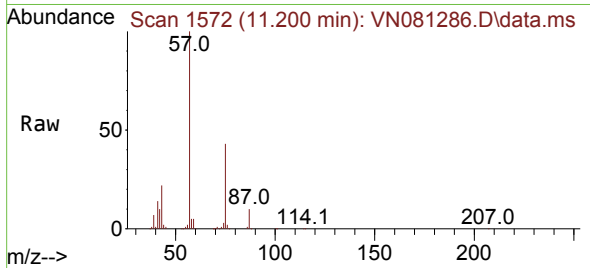




#57
1,3-Dichloropropane
Concen: 1.091 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

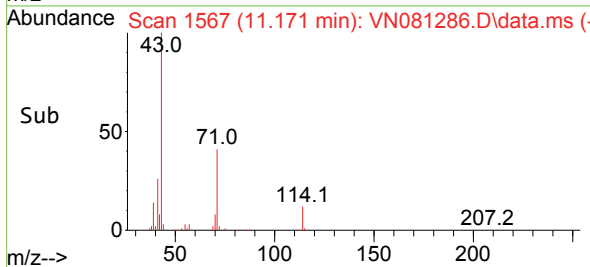
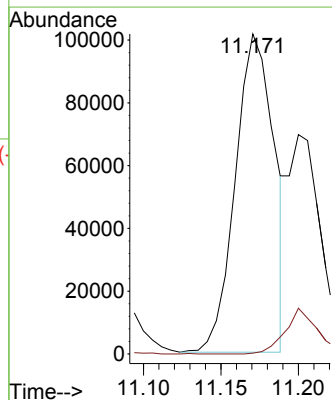
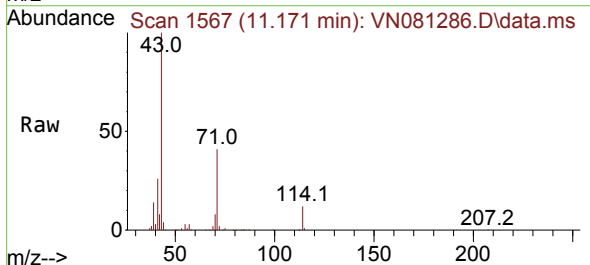
Instrument :
MSVOA_N
ClientSampleId :
WC-2

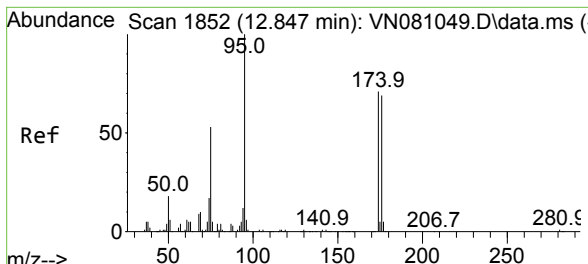
Tgt Ion: 76 Resp: 8078
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 40.316 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion: 43 Resp: 176395
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

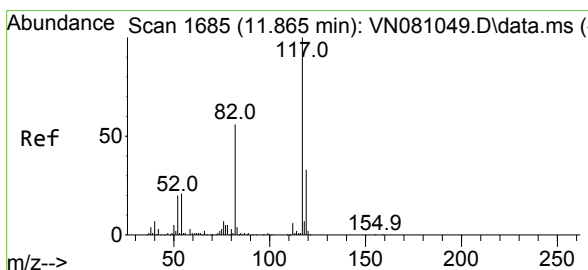
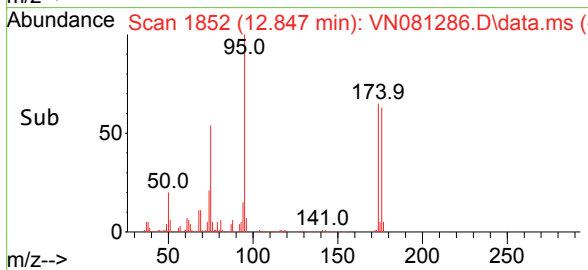
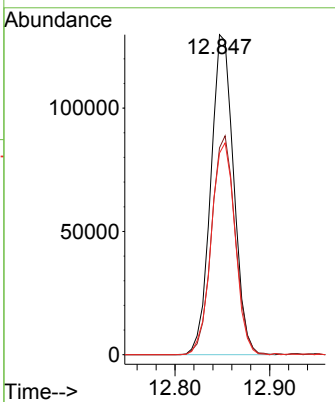
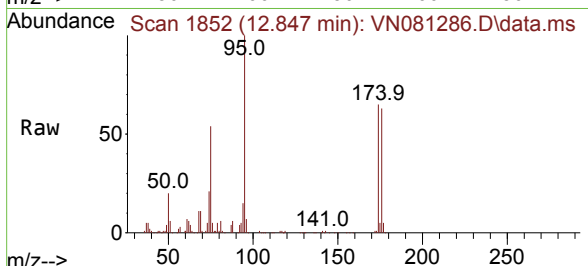




#62
4-Bromofluorobenzene
Concen: 46.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

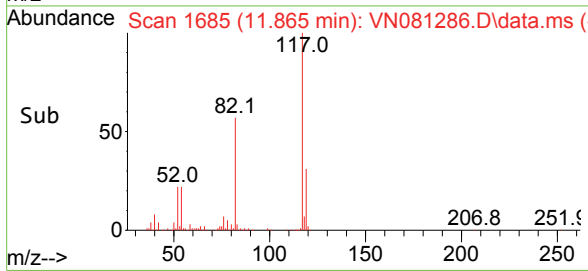
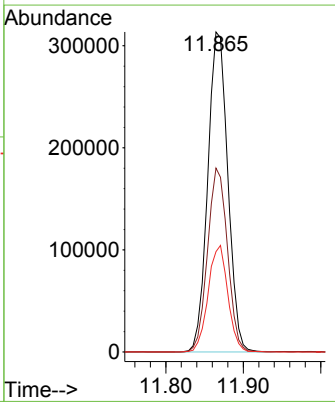
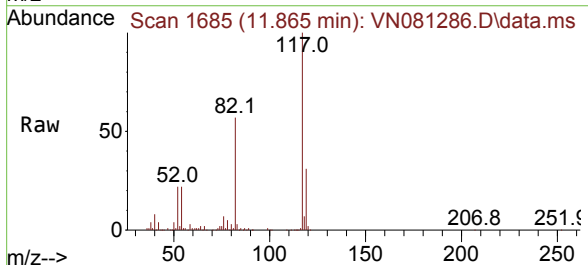
Instrument :
MSVOA_N
ClientSampleId :
WC-2

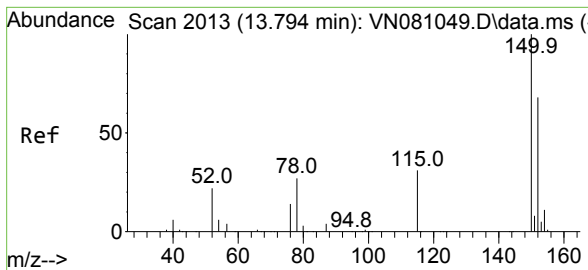
Tgt Ion:	95	Resp:	217912
Ion Ratio	Lower	Upper	
95	100		
174	70.8	0.0	120.4
176	68.9	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081286.D
Acq: 01 Mar 2024 15:31

Tgt Ion:	117	Resp:	564119
Ion Ratio	Lower	Upper	
117	100		
82	57.4	52.7	79.1
119	31.4	25.3	37.9

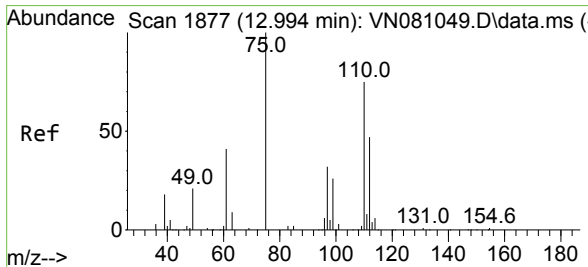
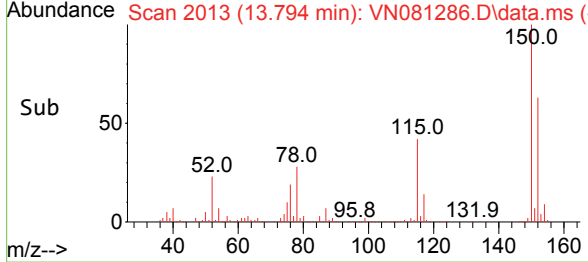
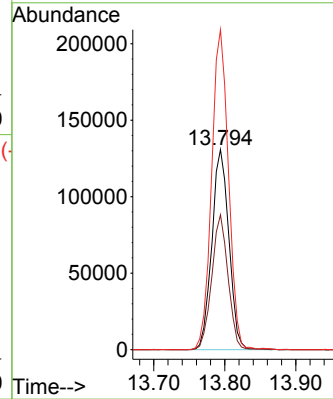
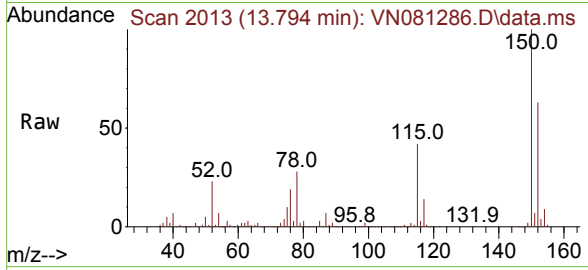




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081286.D
 Acq: 01 Mar 2024 15:31

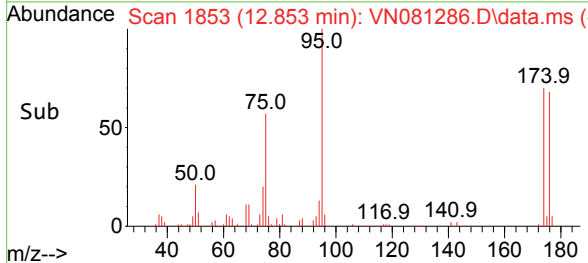
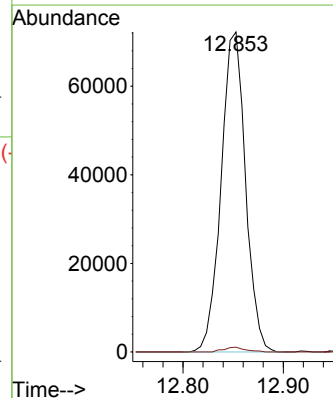
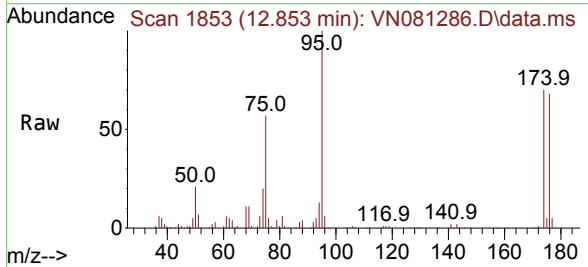
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

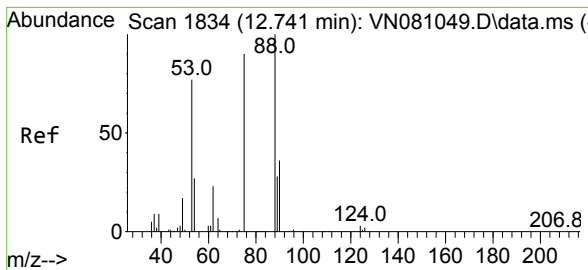
Tgt Ion:152 Resp: 218192
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.3 96.8
 150 157.5 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 24.578 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081286.D
 Acq: 01 Mar 2024 15:31

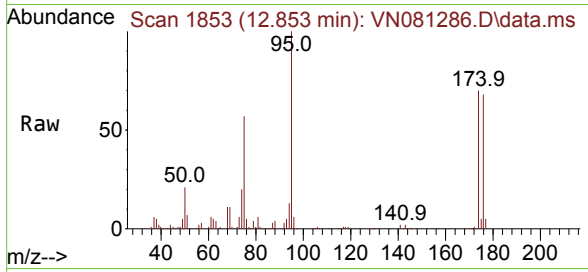
Tgt Ion: 75 Resp: 121847
 Ion Ratio Lower Upper
 75 100
 77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.263 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081286.D
 Acq: 01 Mar 2024 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2



Tgt Ion: 75 Resp: 121847
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

