

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081228.D
 Acq On : 27 Feb 2024 18:48
 Operator : JC\MD
 Sample : P1590-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20240222

Quant Time: Feb 28 04:23:02 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)

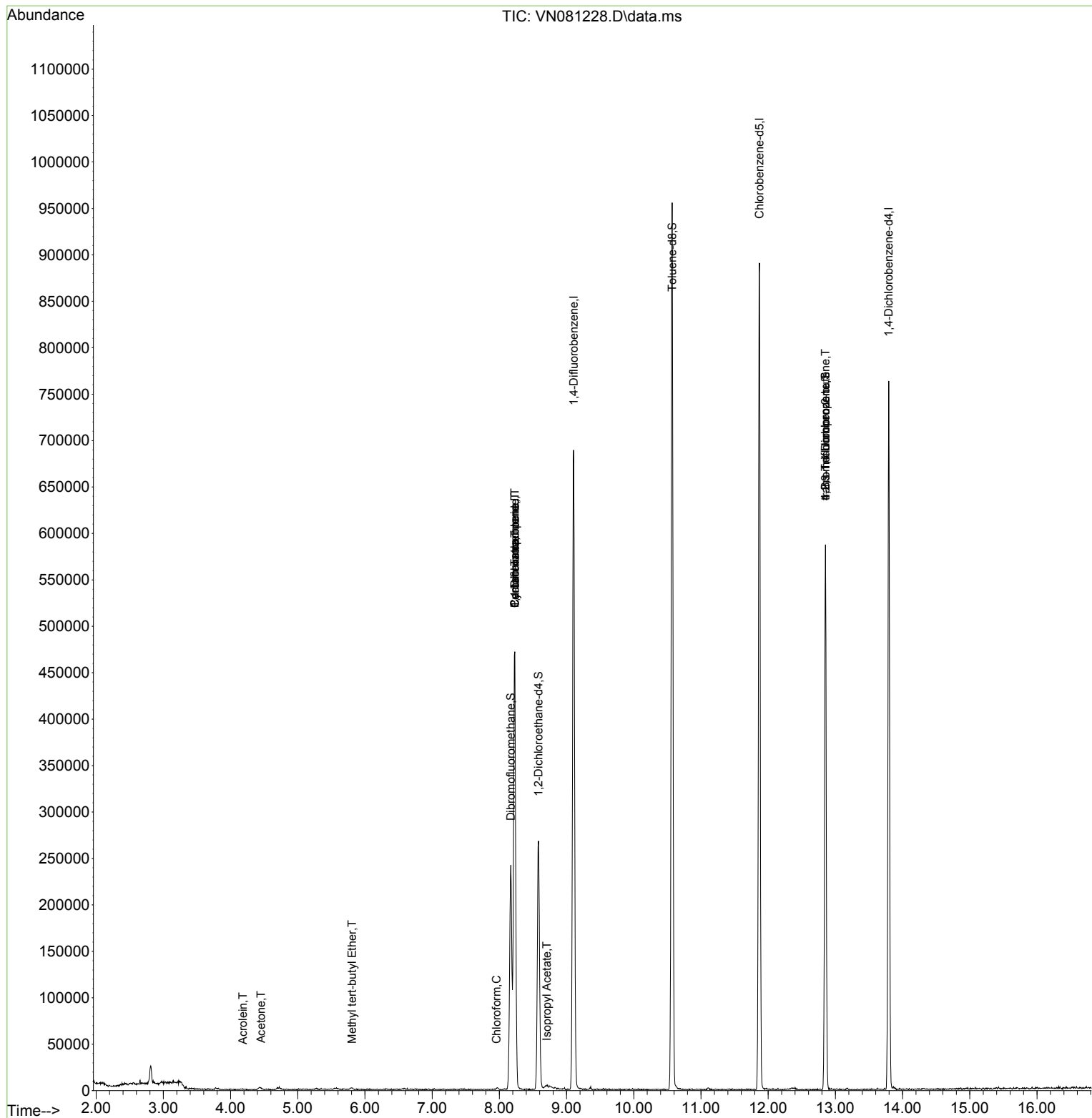
Internal Standards						
1) Pentafluorobenzene	8.230	168	317654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	597271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	507699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	215283	55.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.580%			
35) Dibromofluoromethane	8.171	113	171629	50.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.640%			
50) Toluene-d8	10.571	98	643268	53.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.260%			
62) 4-Bromofluorobenzene	12.853	95	199312	44.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.440%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	835	Below Cal		89
6) Chloroethane	3.118	64	58	Below Cal	#	42
13) Acrolein	4.183	56	216	0.563	ug/l #	2
16) Acetone	4.453	43	4933	3.220	ug/l #	79
19) Methyl tert-butyl Ether	5.806	73	2616	0.213	ug/l	94
20) Methylene Chloride	5.271	84	414	Below Cal	#	59
30) Chloroform	7.959	83	1661	0.223	ug/l	89
31) Cyclohexane	8.230	56	8976	1.335	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	30415	5.256	ug/l #	52
38) Carbon Tetrachloride	8.230	117	38243	6.533	ug/l #	18
43) Isopropyl Acetate	8.706	43	3391	0.371	ug/l #	57
76) 1,2,3-Trichloropropane	12.853	75	109137	26.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109137	67.137	ug/l #	14

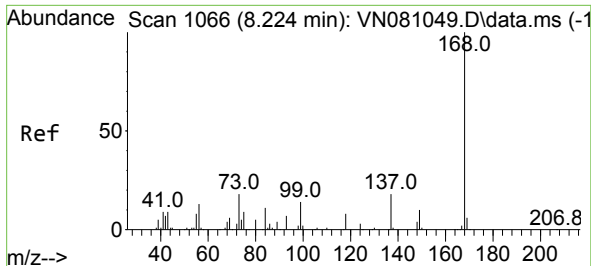
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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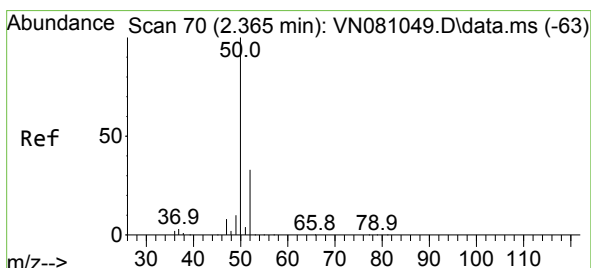
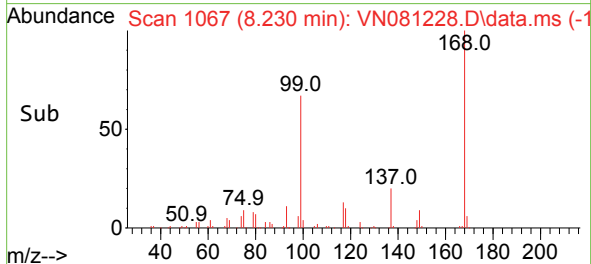
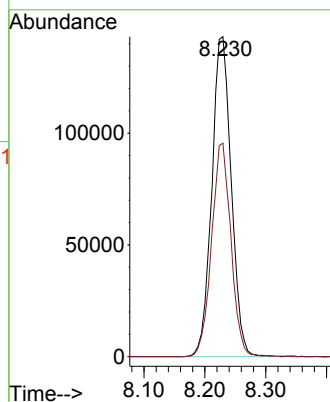
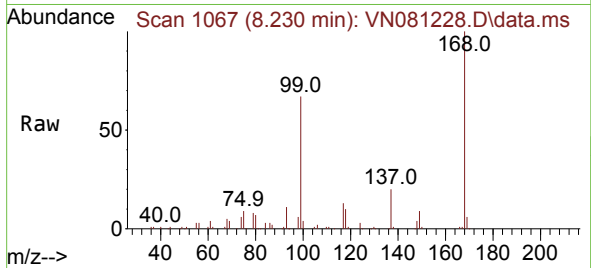




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

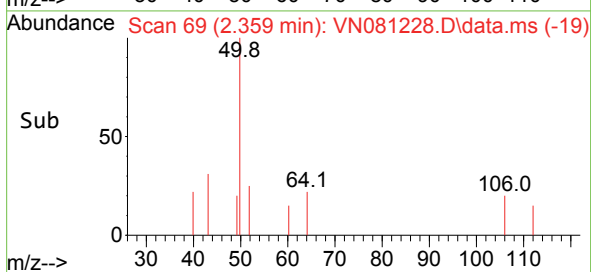
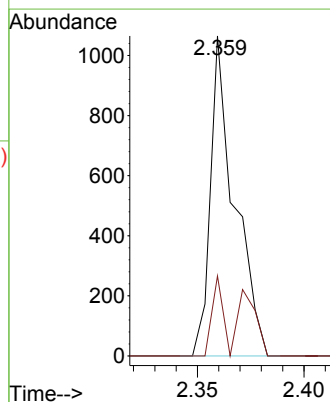
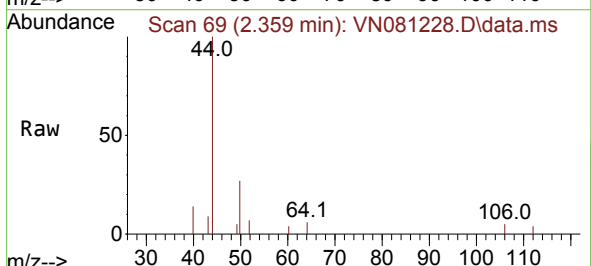
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222

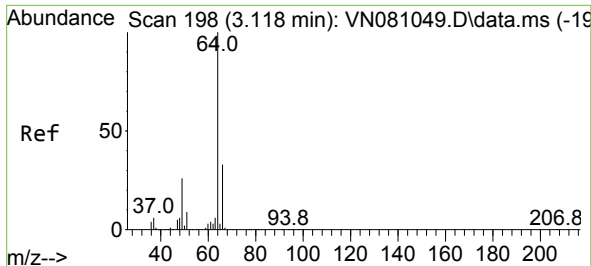
Tgt Ion:168 Resp: 317654
Ion Ratio Lower Upper
168 100
99 66.7 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Tgt Ion: 50 Resp: 835
Ion Ratio Lower Upper
50 100
52 25.0 25.0 37.4

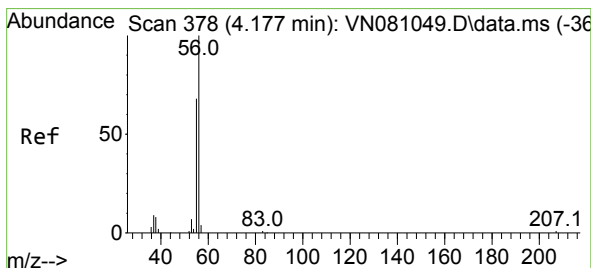
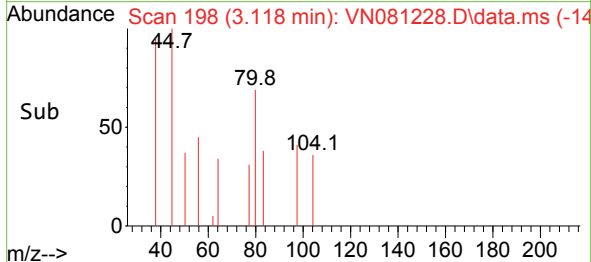
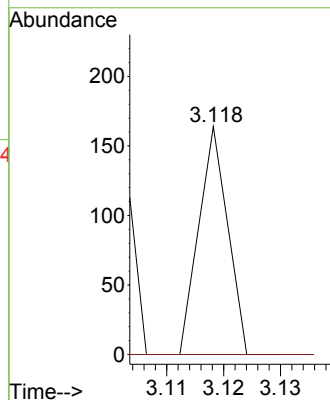
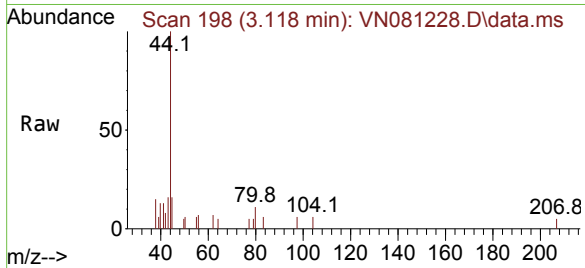




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

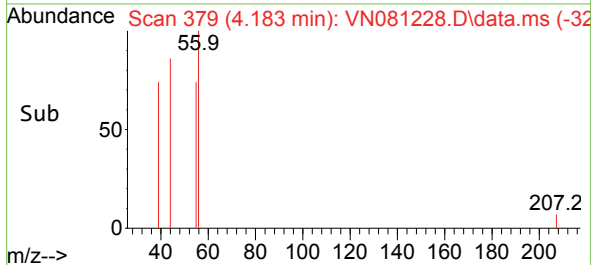
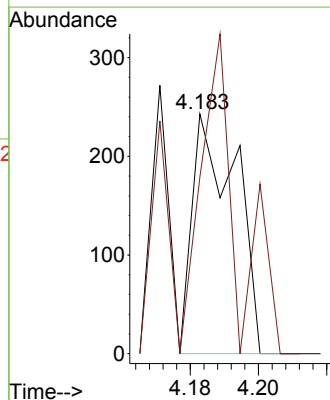
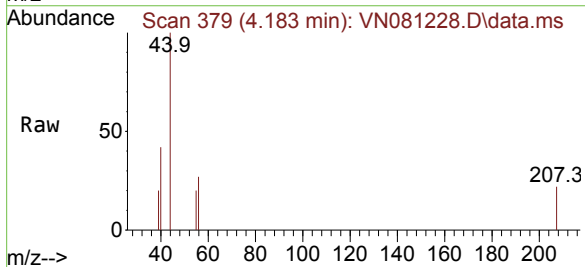
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222

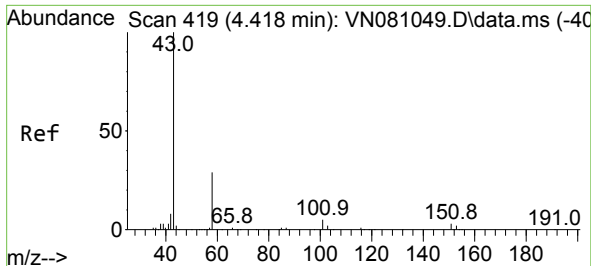
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.563 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 148.6 55.3 82.9#

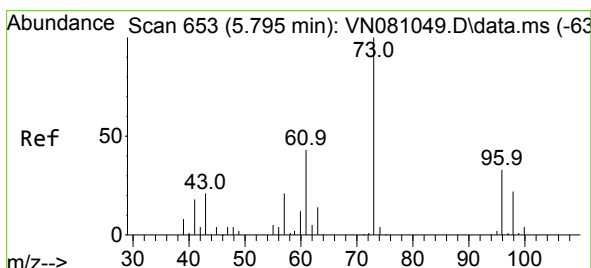
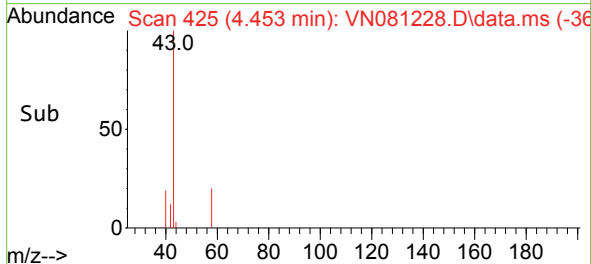
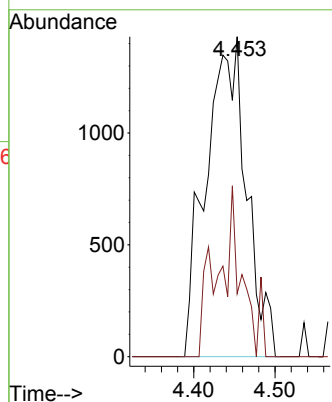
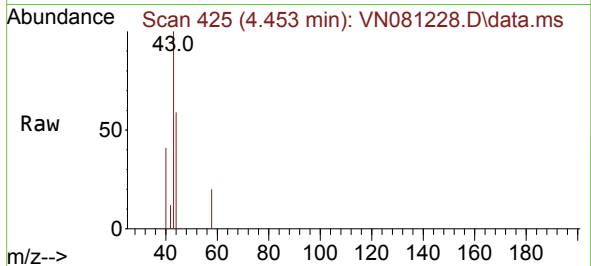




#16
Acetone
Concen: 3.220 ug/l
RT: 4.453 min Scan# 419
Delta R.T. 0.035 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

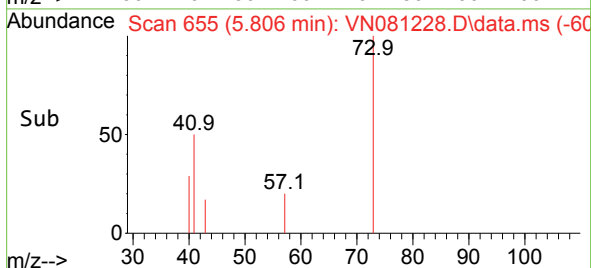
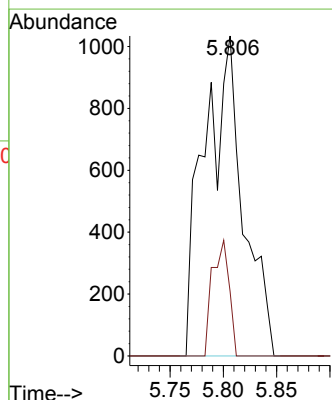
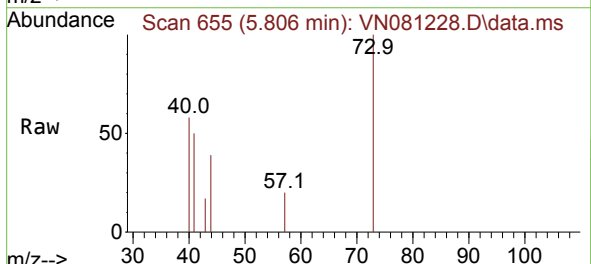
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222

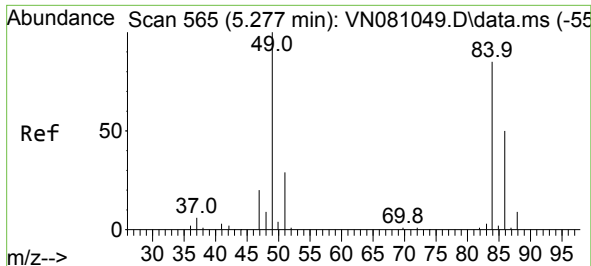
Tgt Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
58 19.7 24.8 37.2#



#19
Methyl tert-butyl Ether
Concen: 0.213 ug/l
RT: 5.806 min Scan# 655
Delta R.T. 0.012 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

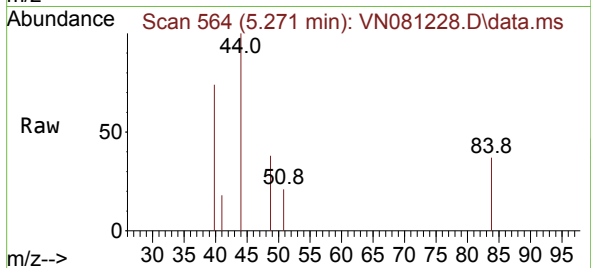
Tgt Ion: 73 Resp: 2616
Ion Ratio Lower Upper
73 100
57 20.1 18.2 27.4





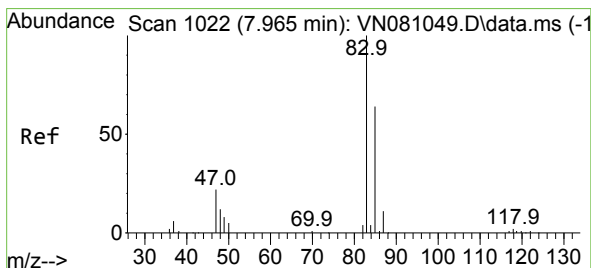
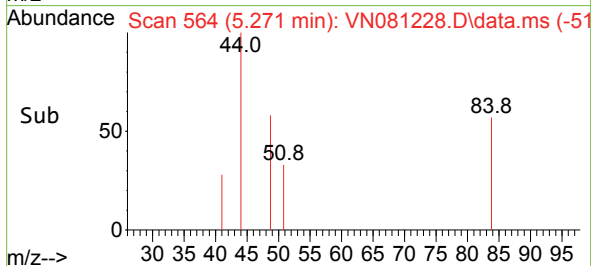
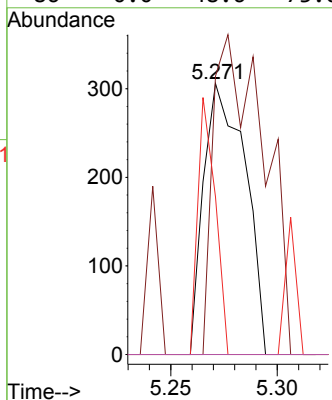
#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222



Tgt Ion: 84 Resp: 414

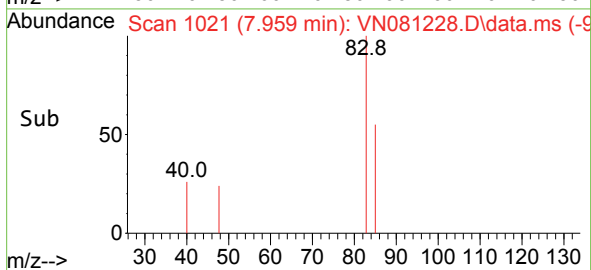
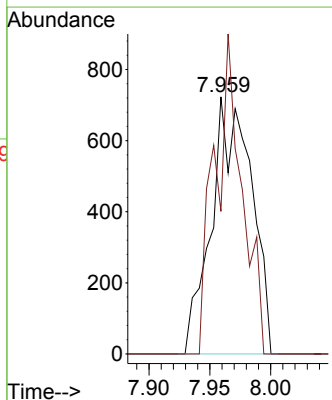
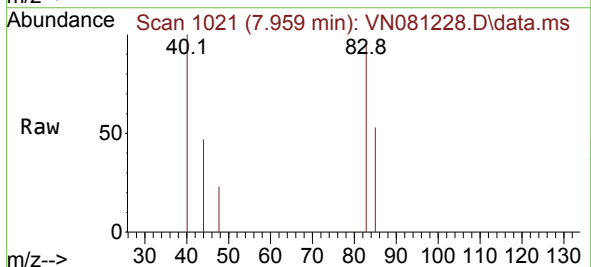
Ion	Ratio	Lower	Upper
84	100		
49	102.6	108.1	162.1#
51	58.2	32.9	49.3#
86	0.0	48.6	73.0#

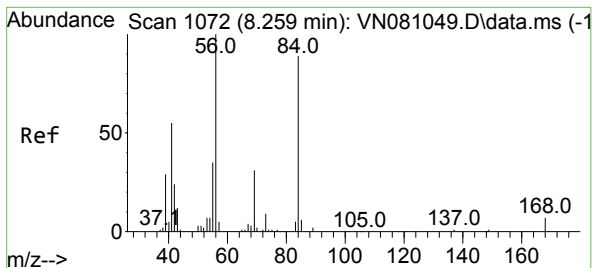


#30
Chloroform
Concen: 0.223 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Tgt Ion: 83 Resp: 1661

Ion	Ratio	Lower	Upper
83	100		
85	55.5	51.0	76.6





#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081228.D

Acq: 27 Feb 2024 18:48

Instrument :

MSVOA_N

ClientSampleId :

TT15811-20240222

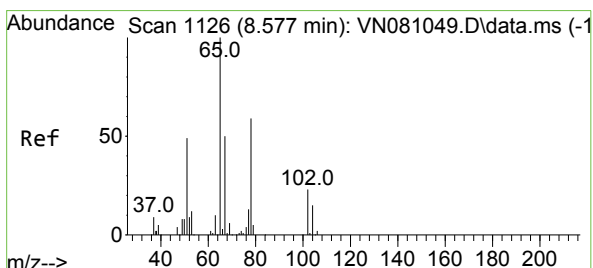
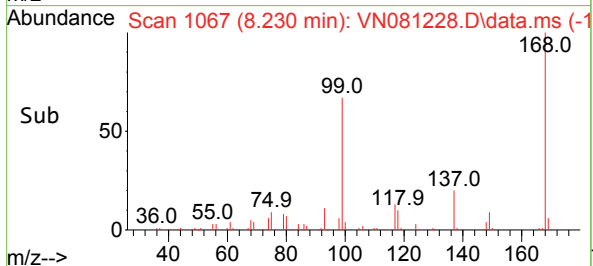
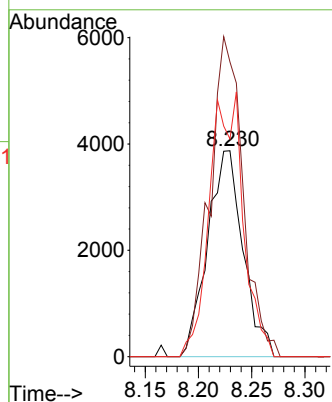
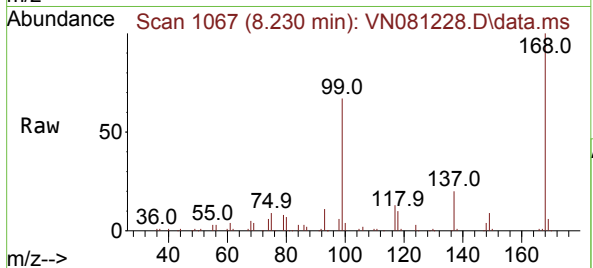
Tgt Ion: 56 Resp: 8976

Ion Ratio Lower Upper

56 100

69 143.1 20.1 30.1#

84 105.7 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 55.292 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081228.D

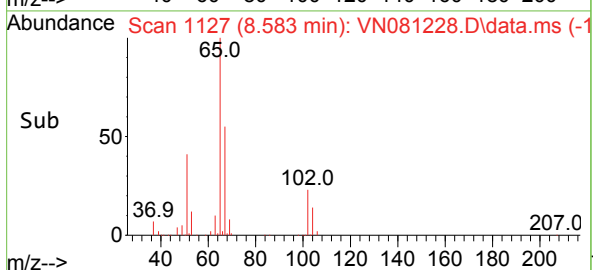
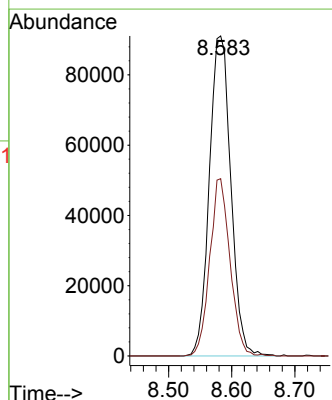
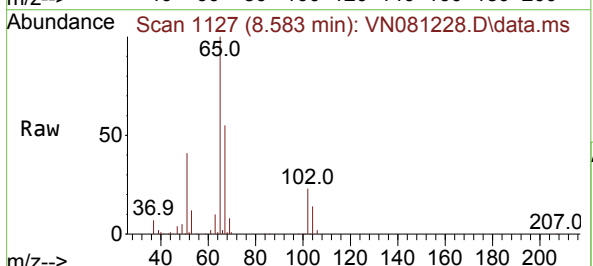
Acq: 27 Feb 2024 18:48

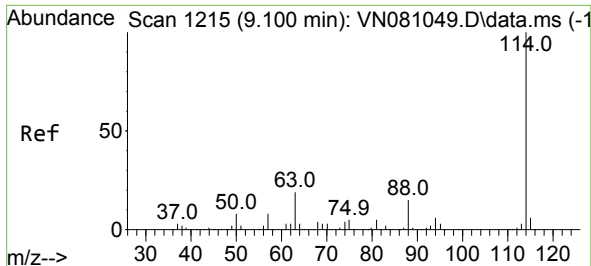
Tgt Ion: 65 Resp: 215283

Ion Ratio Lower Upper

65 100

67 52.4 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: VN081228.D

Acq: 27 Feb 2024 18:48

Instrument :

MSVOA_N

ClientSampleId :

TT15811-20240222

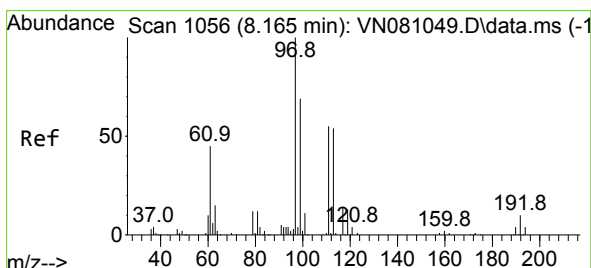
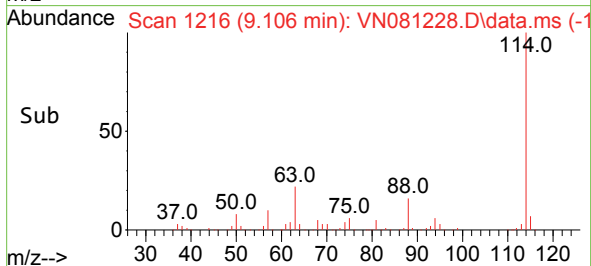
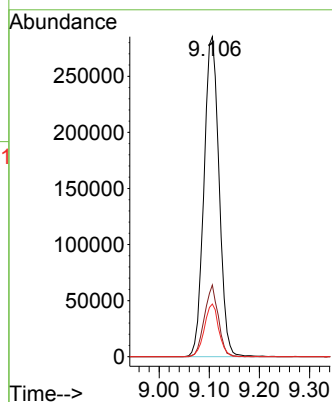
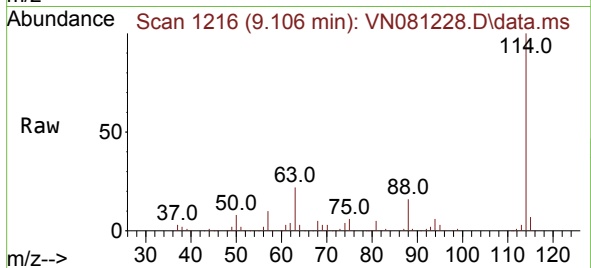
Tgt Ion:114 Resp: 597271

Ion Ratio Lower Upper

114 100

63 22.4 0.0 48.0

88 16.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.817 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081228.D

Acq: 27 Feb 2024 18:48

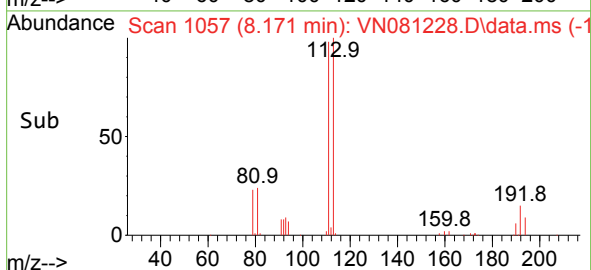
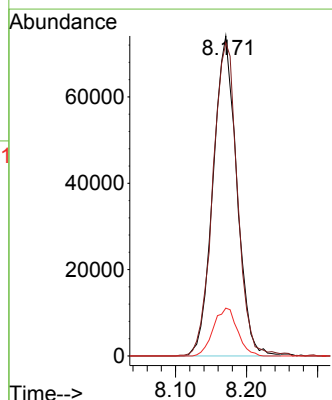
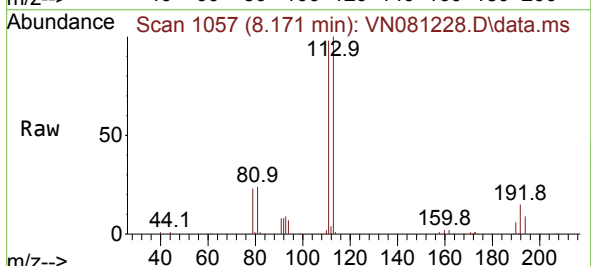
Tgt Ion:113 Resp: 171629

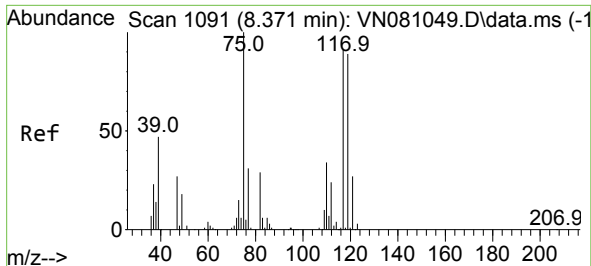
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 15.2 12.5 18.7

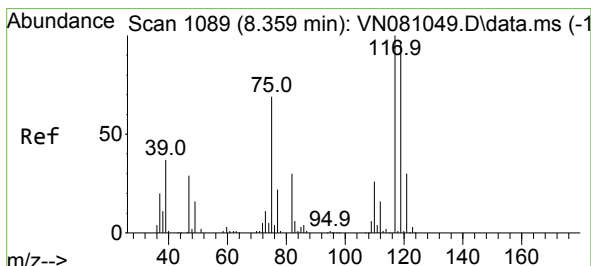
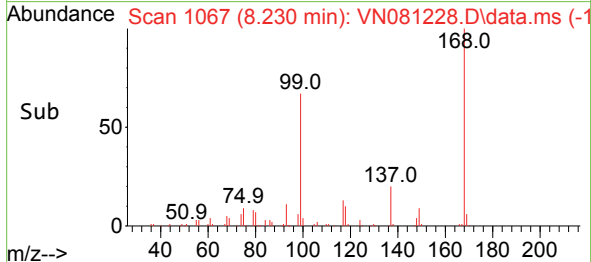
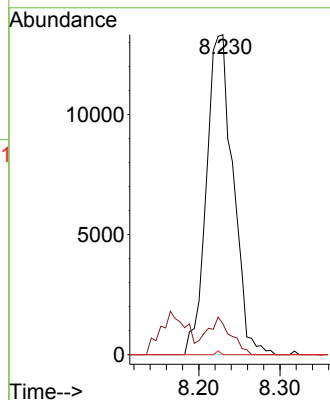
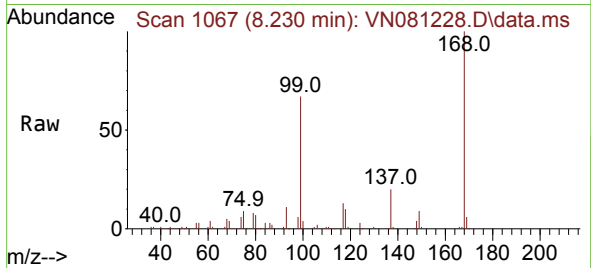




#36
1,1-Dichloropropene
Concen: 5.256 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

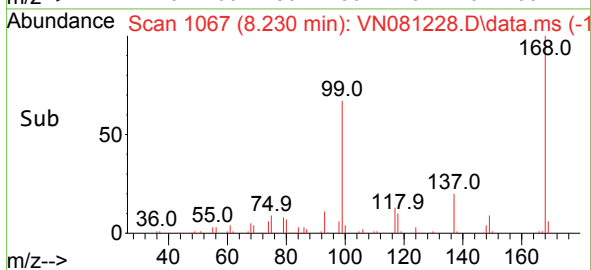
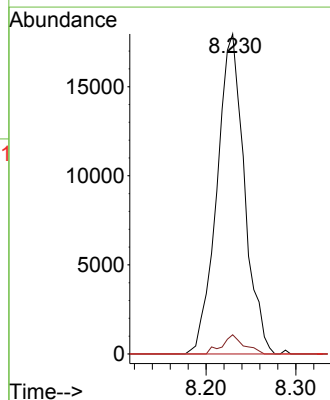
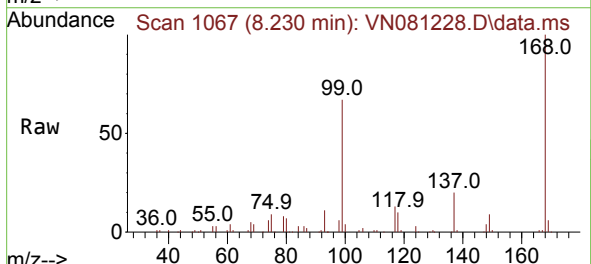
Instrument :
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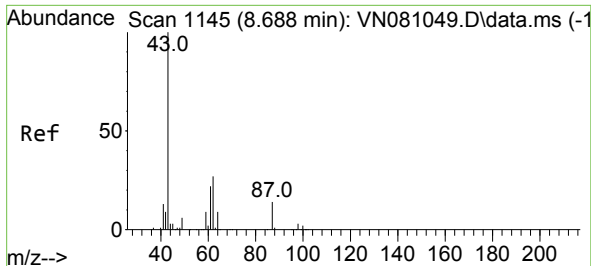
Tgt Ion: 75 Resp: 30415
Ion Ratio Lower Upper
75 100
110 10.1 16.0 48.0#
77 0.2 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.533 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

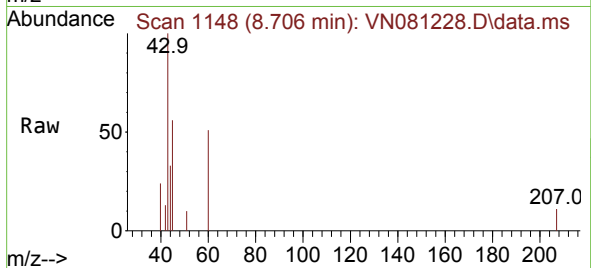
Tgt Ion: 117 Resp: 38243
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.2#
121 0.0 24.4 36.6#



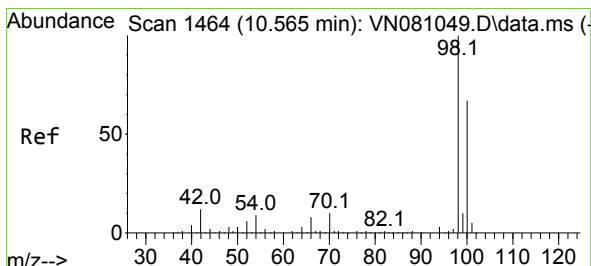
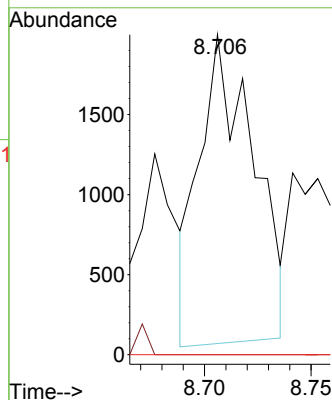
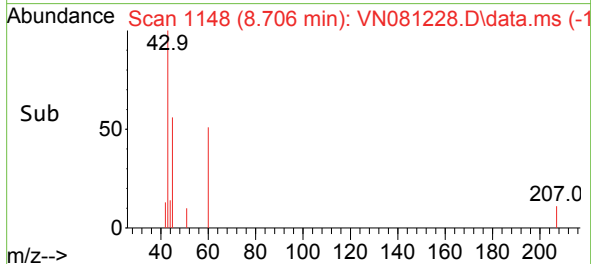


#43
Isopropyl Acetate
Concen: 0.371 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222

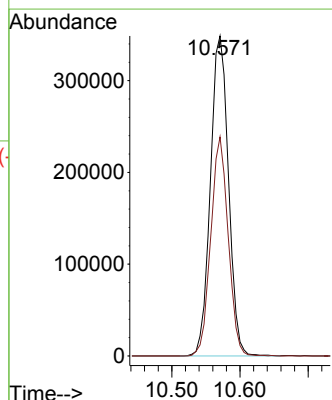
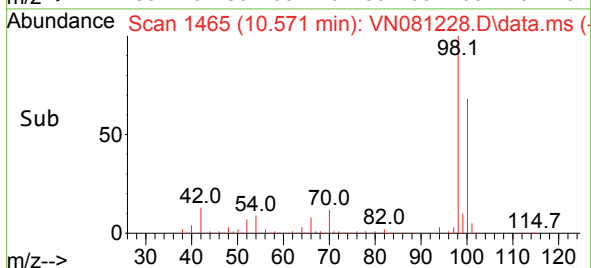
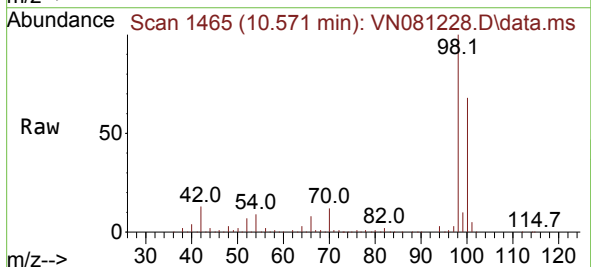


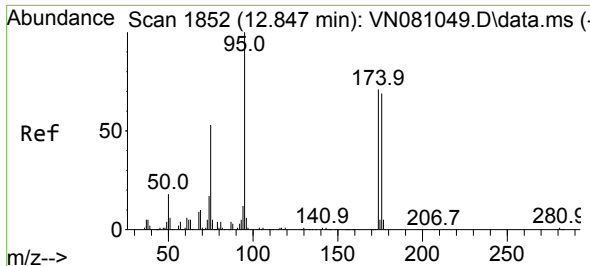
Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 53.625 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Tgt Ion: 98 Resp: 643268
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0

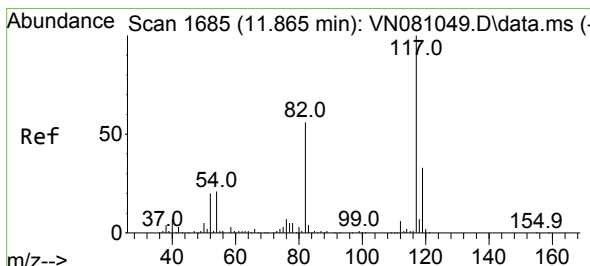
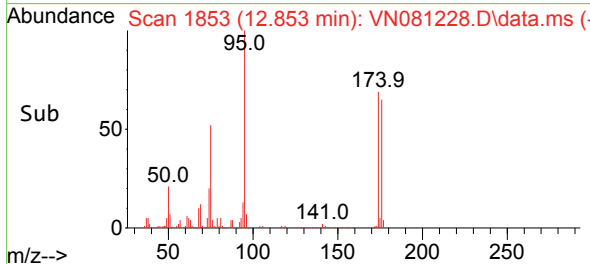
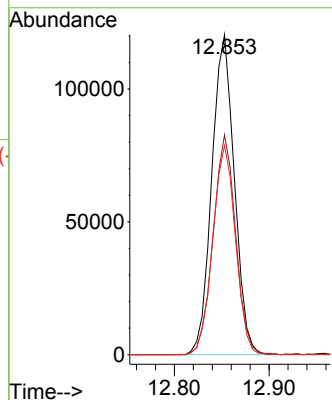
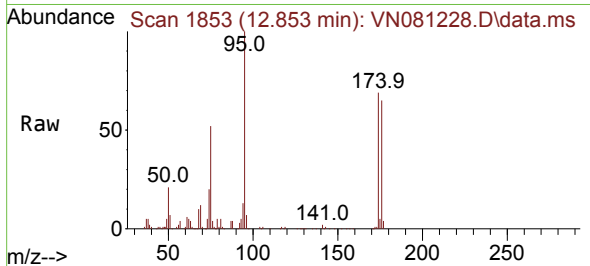




#62
4-Bromofluorobenzene
Concen: 44.219 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

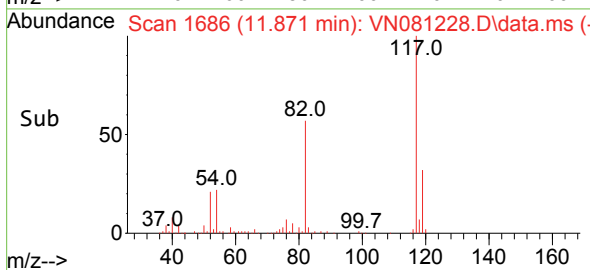
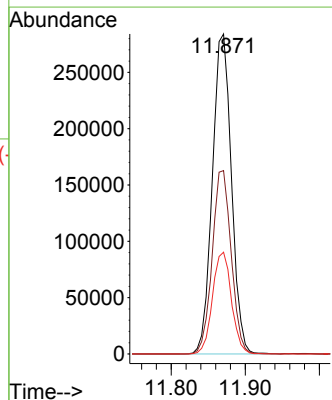
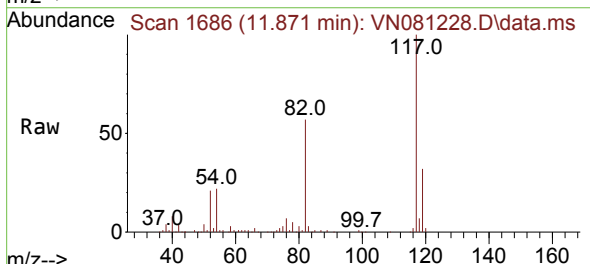
Instrument :
MSVOA_N
ClientSampleId :
TT15811-20240222

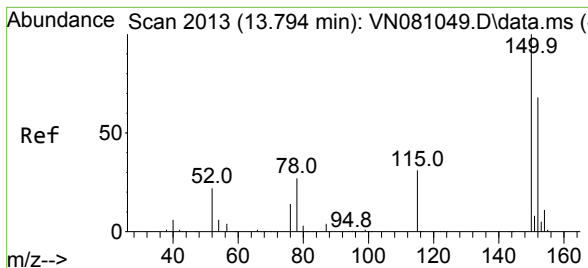
Tgt Ion:	95	Resp:	199312
Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	120.4
176	65.8	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081228.D
Acq: 27 Feb 2024 18:48

Tgt Ion:	117	Resp:	507699
Ion	Ratio	Lower	Upper
117	100		
82	57.3	52.7	79.1
119	31.8	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: VN081228.D

Acq: 27 Feb 2024 18:48

Instrument :

MSVOA_N

ClientSampleId :

TT15811-20240222

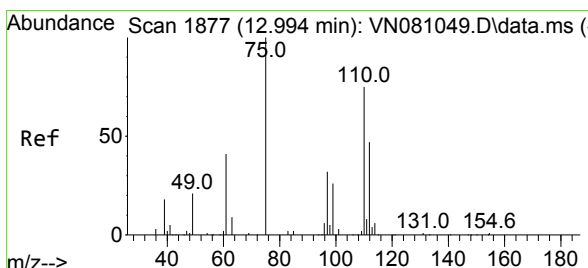
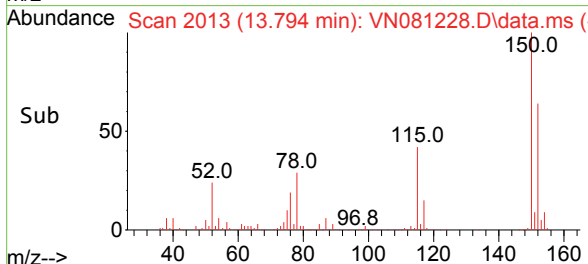
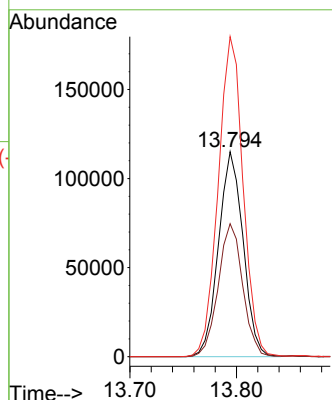
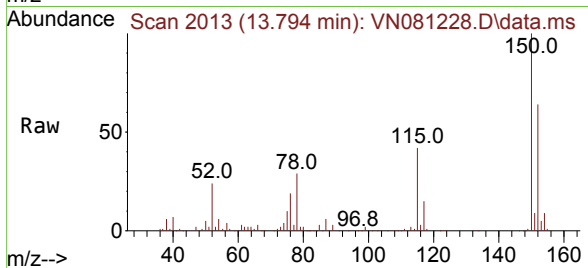
Tgt Ion:152 Resp: 184156

Ion Ratio Lower Upper

152 100

115 64.7 32.3 96.8

150 158.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 26.083 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081228.D

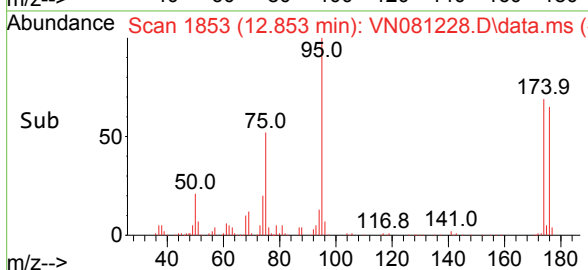
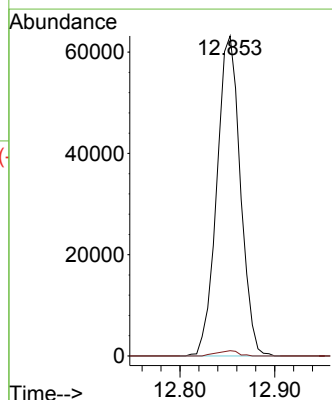
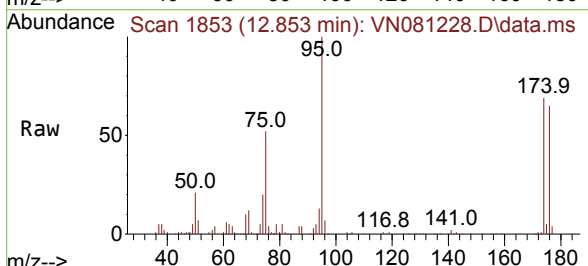
Acq: 27 Feb 2024 18:48

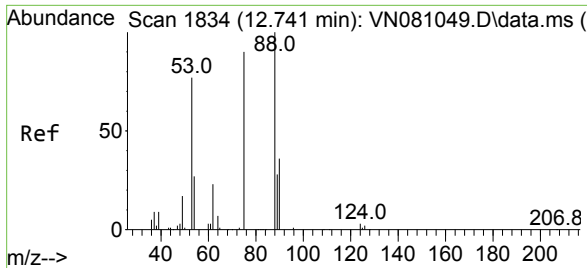
Tgt Ion: 75 Resp: 109137

Ion Ratio Lower Upper

75 100

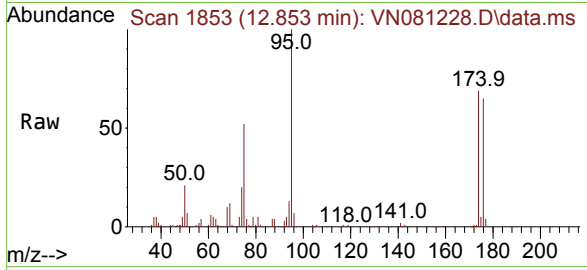
77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.137 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081228.D
 Acq: 27 Feb 2024 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TT15811-20240222



Tgt Ion: 75 Resp: 109137
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#

