

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081139.D
 Acq On : 22 Feb 2024 16:47
 Operator : JC\MD
 Sample : P1539-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:28:12 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)

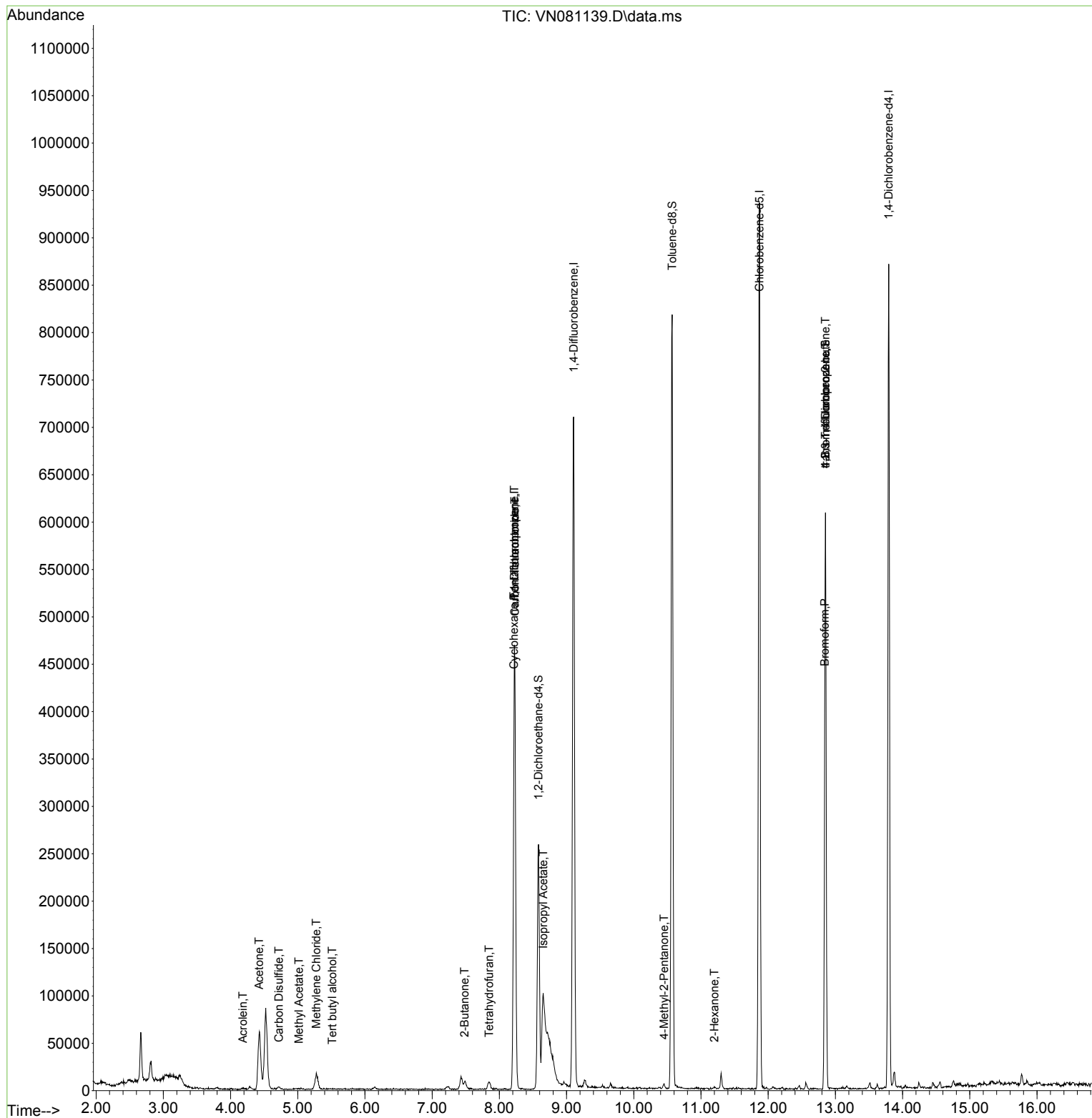
Internal Standards						
1) Pentafluorobenzene	8.224	168	331004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	625158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	543089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	223463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199266	49.114	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.220%
35) Dibromofluoromethane	8.188	113	71	0.020	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.040%#
50) Toluene-d8	10.571	98	567426	45.193	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.380%
62) 4-Bromofluorobenzene	12.853	95	206845	43.843	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1187	Below Cal	#	43
6) Chloroethane	3.118	64	279	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	565	0.757	ug/l #	72
13) Acrolein	4.183	56	1075	2.688	ug/l #	80
16) Acetone	4.424	43	113276	70.957	ug/l	98
17) Carbon Disulfide	4.718	76	4875	0.467	ug/l #	78
18) Methyl Acetate	5.018	43	924	0.237	ug/l #	54
20) Methylene Chloride	5.277	84	12081	2.034	ug/l	91
25) 2-Butanone	7.483	43	14131	5.479	ug/l #	81
29) Tetrahydrofuran	7.847	42	6686	3.884	ug/l	95
31) Cyclohexane	8.218	56	8459	1.207	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	30695	5.068	ug/l #	51
38) Carbon Tetrachloride	8.230	117	37433	6.109	ug/l #	17
43) Isopropyl Acetate	8.653	43	132203	13.829	ug/l #	58
51) 4-Methyl-2-Pentanone	10.453	43	5160	0.938	ug/l	90
59) 2-Hexanone	11.200	43	1448	0.332	ug/l	96
71) Bromoform	12.841	173	1108	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	112287	22.116	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	112287	56.924	ug/l #	14

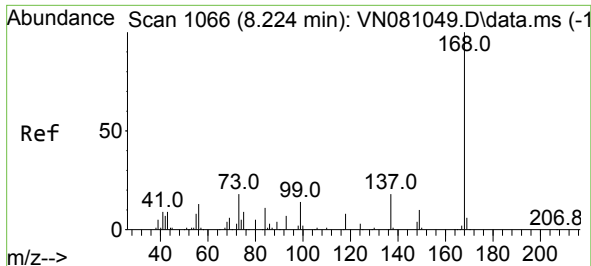
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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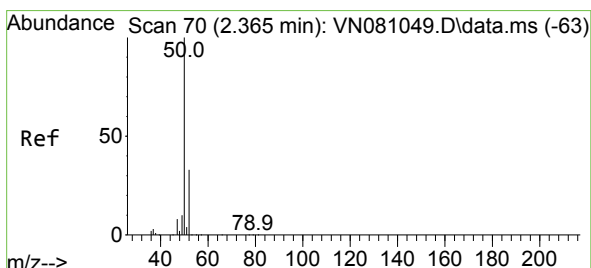
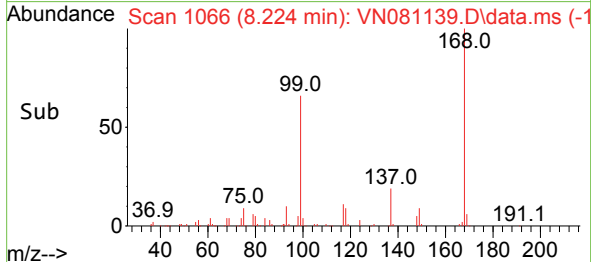
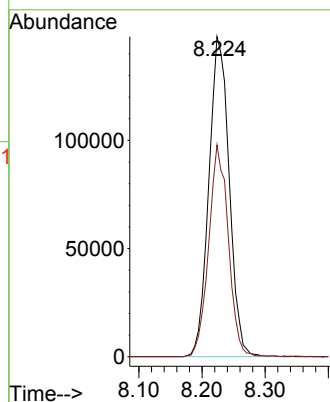
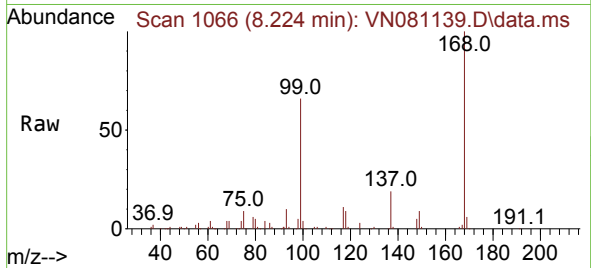




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

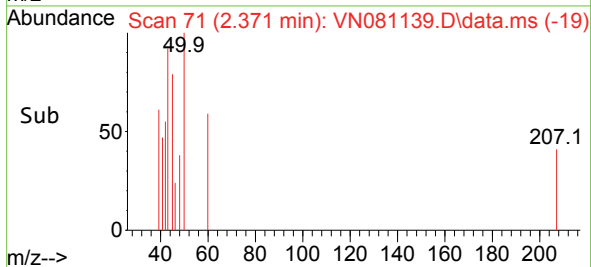
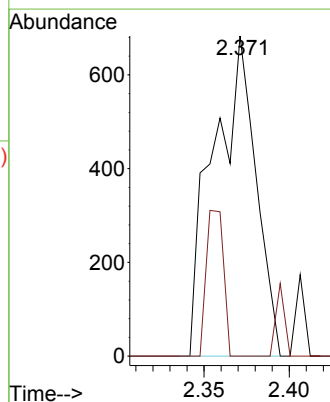
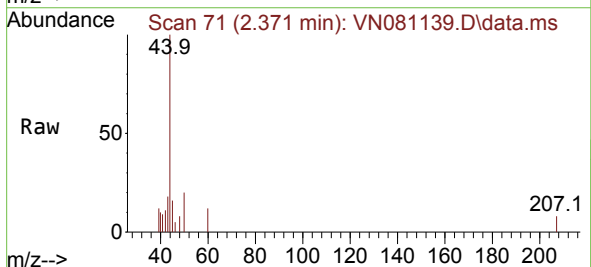
Instrument :
MSVOA_N
ClientSampleId :

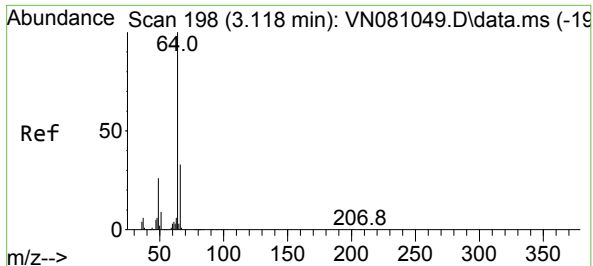
Tgt Ion:168 Resp: 331004
Ion Ratio Lower Upper
168 100
99 66.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Tgt Ion: 50 Resp: 1187
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

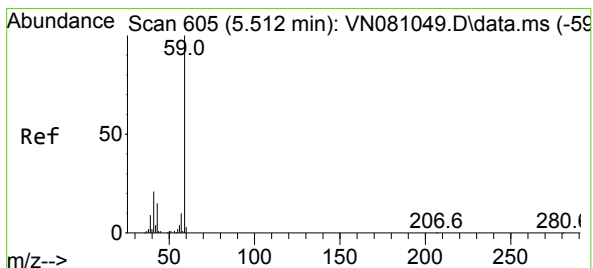
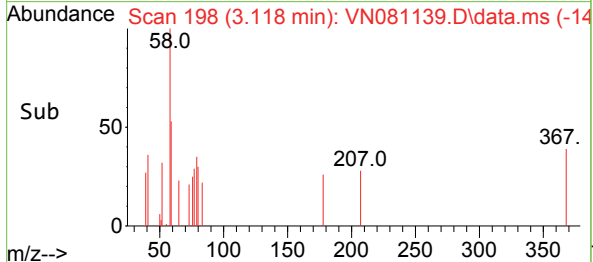
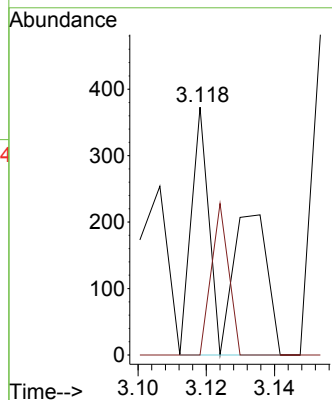
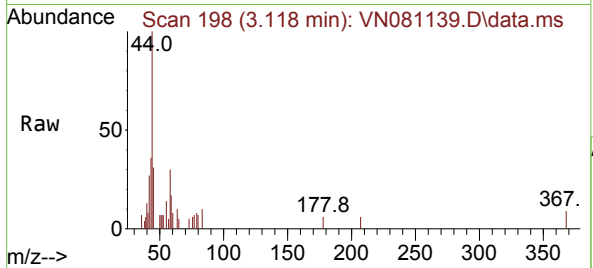




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

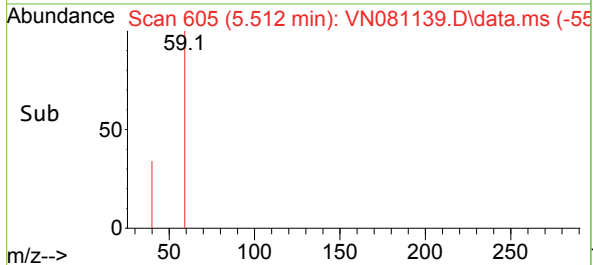
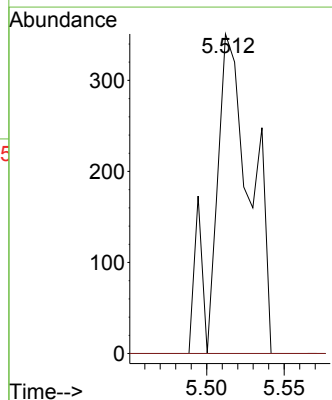
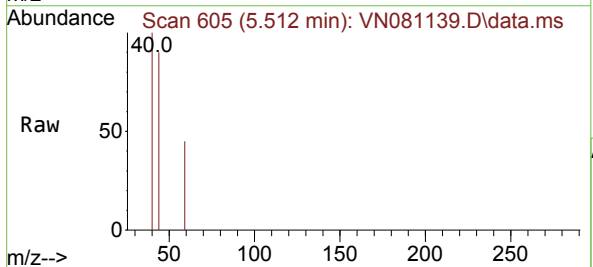
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 279
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.757 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

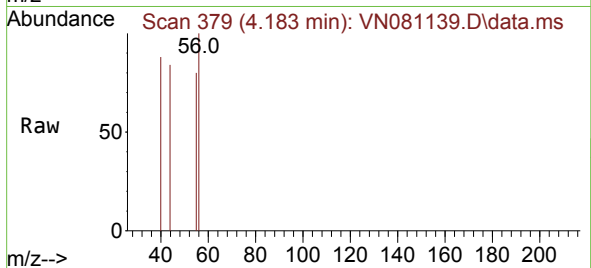
Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



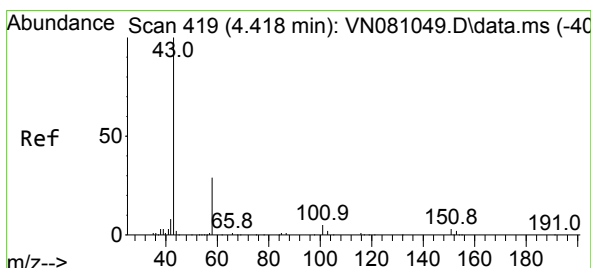
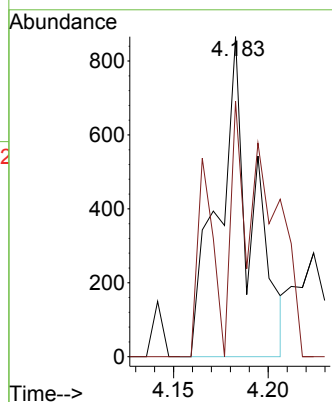
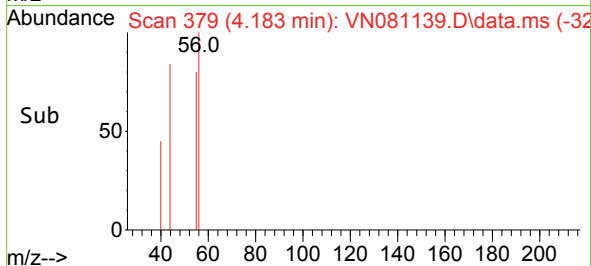


#13
Acrolein
Concen: 2.688 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

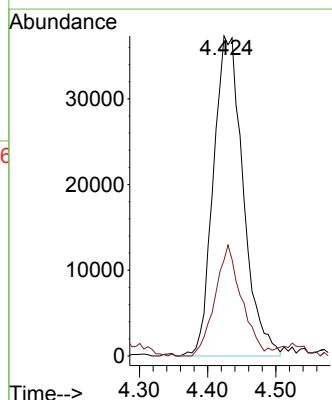
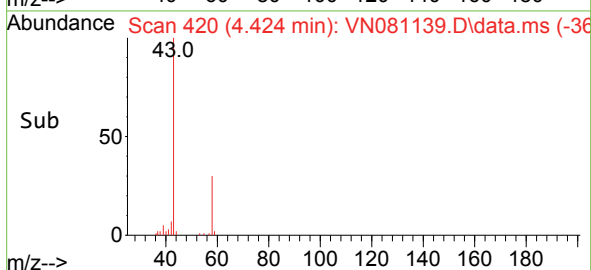
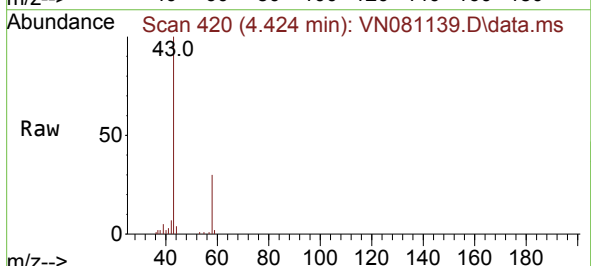


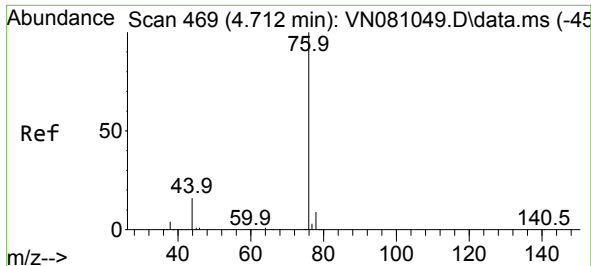
Tgt Ion: 56 Resp: 1075
Ion Ratio Lower Upper
56 100
55 85.3 55.3 82.9#



#16
Acetone
Concen: 70.957 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Tgt Ion: 43 Resp: 113276
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2

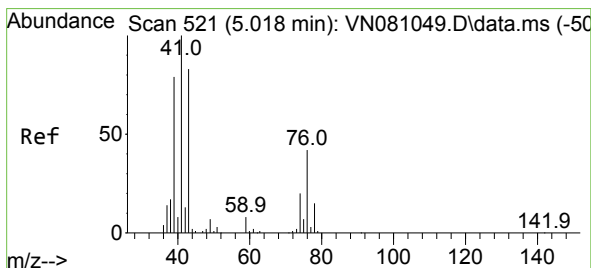
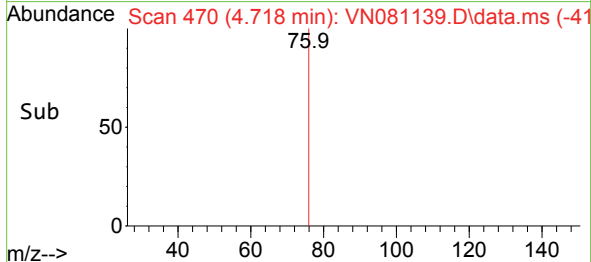
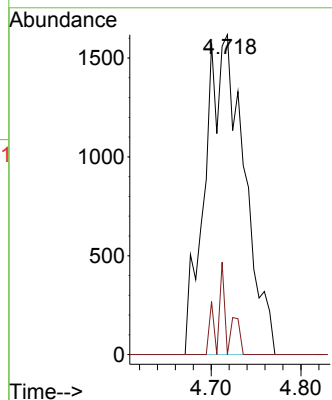
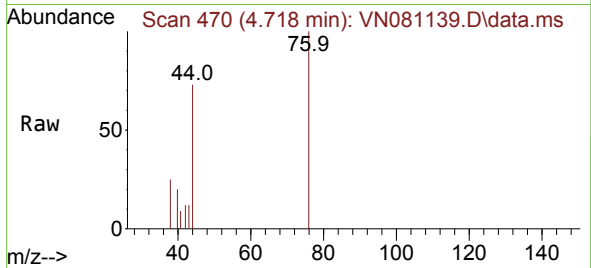




#17
Carbon Disulfide
Concen: 0.467 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

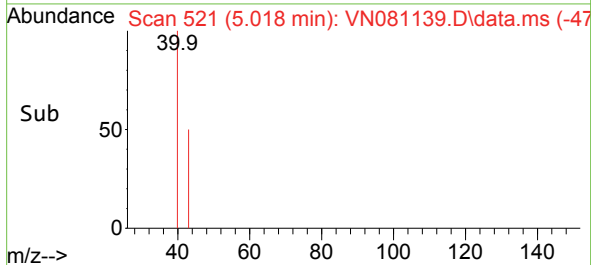
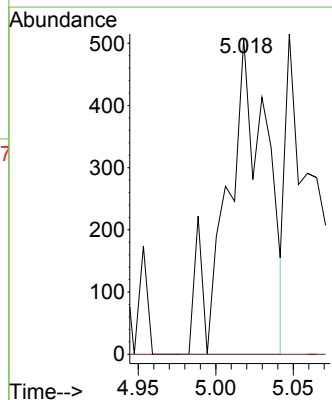
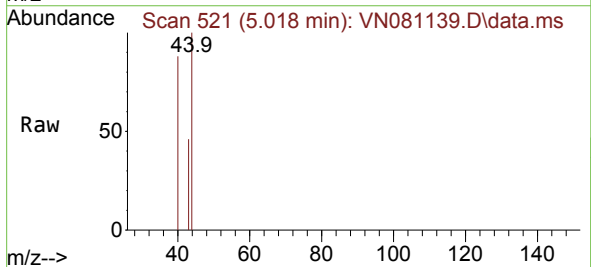
Instrument :
MSVOA_N
ClientSampleId :

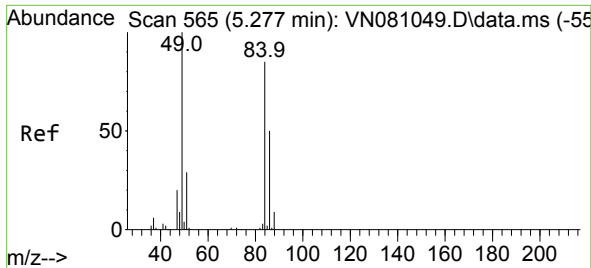
Tgt Ion: 76 Resp: 4875
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

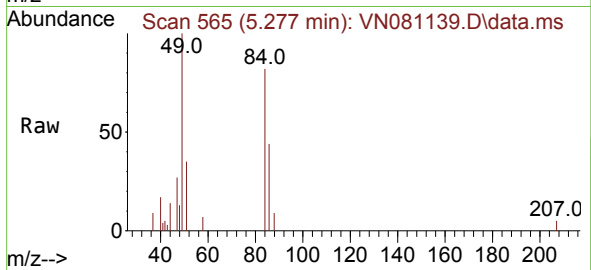
Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



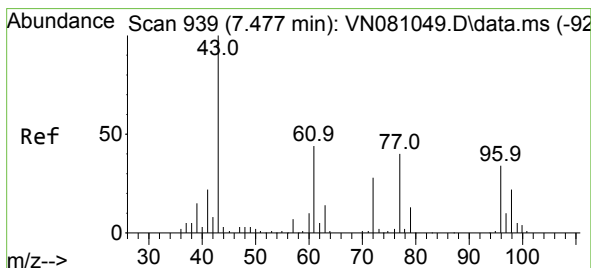
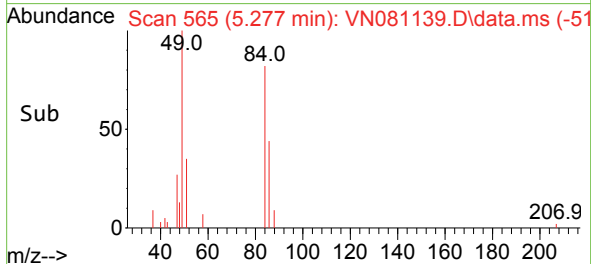
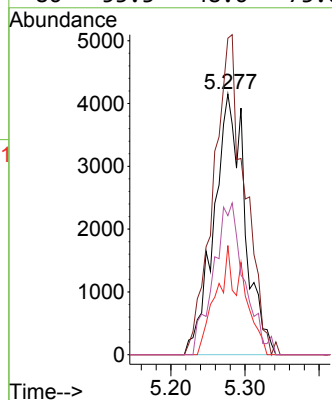


#20
Methylene Chloride
Concen: 2.034 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

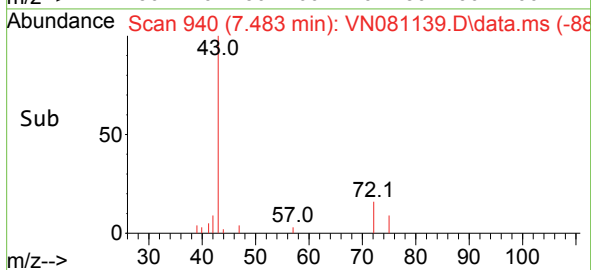
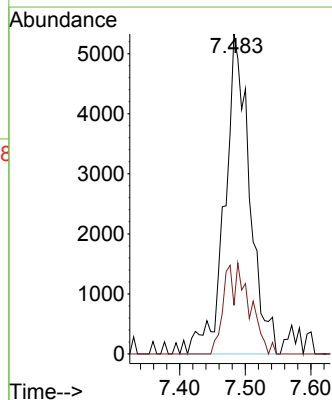
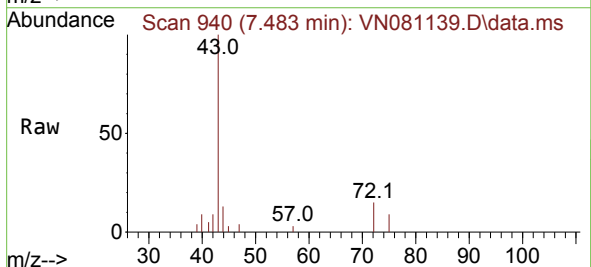


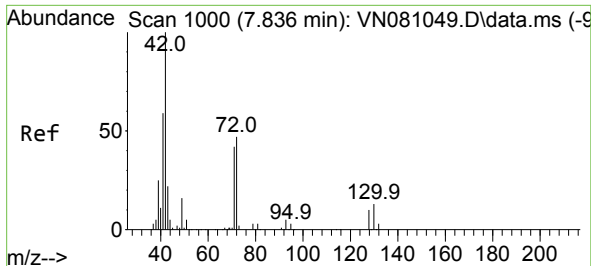
Tgt Ion:	84	Resp:	12081
Ion	Ratio	Lower	Upper
84	100		
49	121.4	108.1	162.1
51	41.9	32.9	49.3
86	53.3	48.6	73.0



#25
2-Butanone
Concen: 5.479 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Tgt Ion:	43	Resp:	14131
Ion	Ratio	Lower	Upper
43	100		
72	15.2	19.5	29.3#





#29

Tetrahydrofuran

Concen: 3.884 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN081139.D

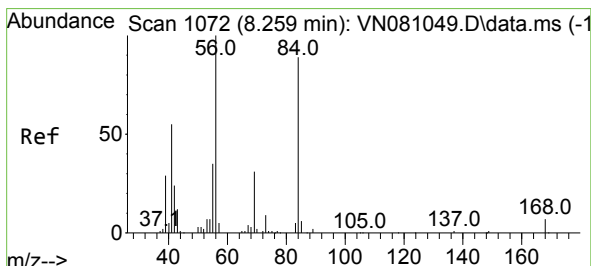
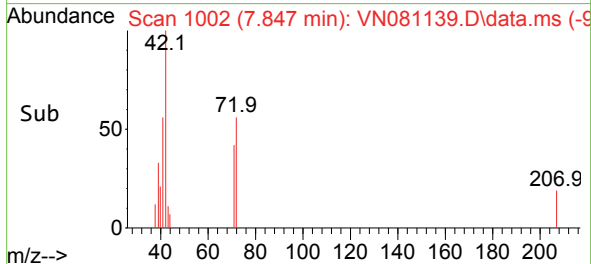
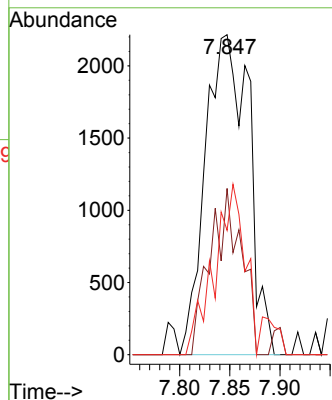
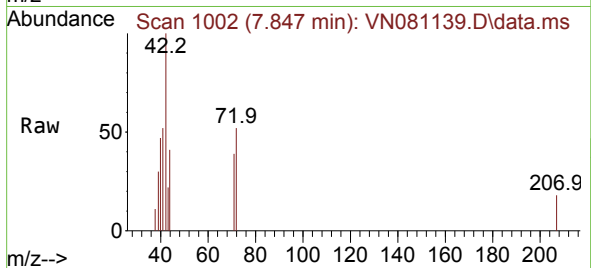
Acq: 22 Feb 2024 16:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	6686
Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.1	46.7
71	39.9	28.3	42.5



#31

Cyclohexane

Concen: 1.207 ug/l

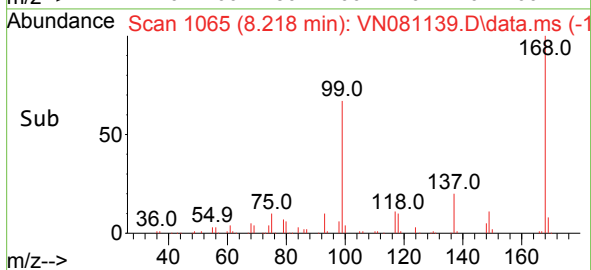
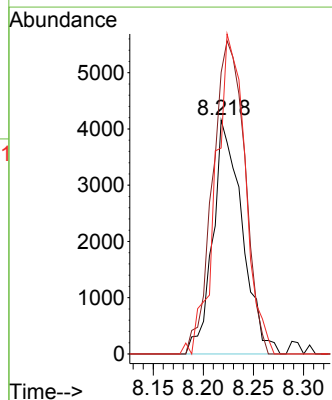
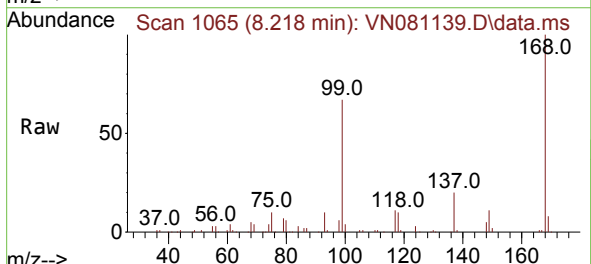
RT: 8.218 min Scan# 1065

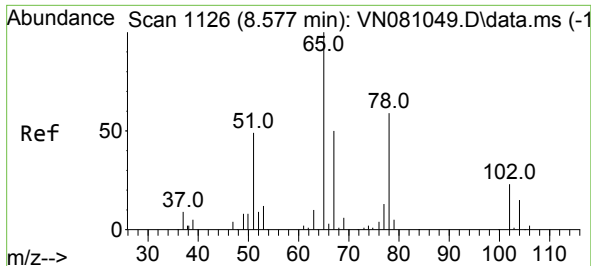
Delta R.T. -0.041 min

Lab File: VN081139.D

Acq: 22 Feb 2024 16:47

Tgt Ion:	56	Resp:	8459
Ion	Ratio	Lower	Upper
56	100		
69	120.4	20.1	30.1#
84	88.1	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.114 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081139.D

Acq: 22 Feb 2024 16:47

Instrument :

MSVOA_N

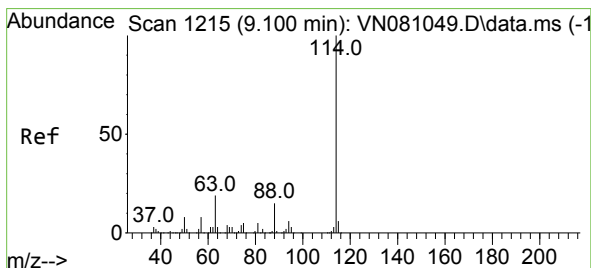
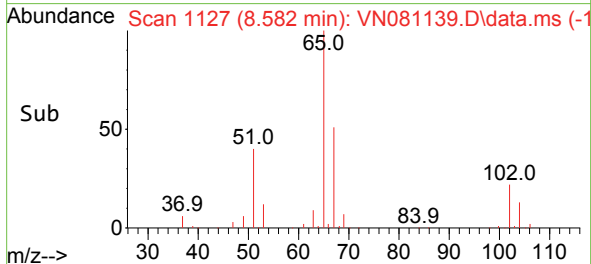
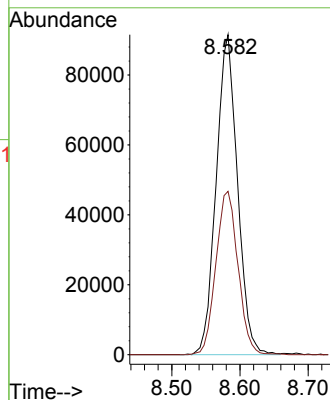
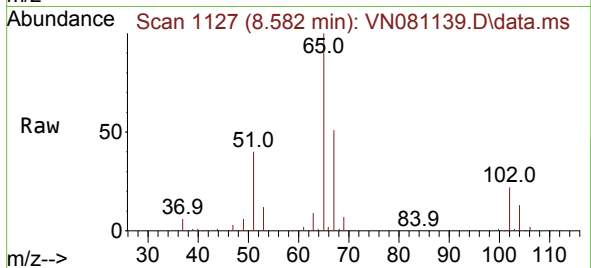
ClientSampleId :

Tgt Ion: 65 Resp: 199266

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081139.D

Acq: 22 Feb 2024 16:47

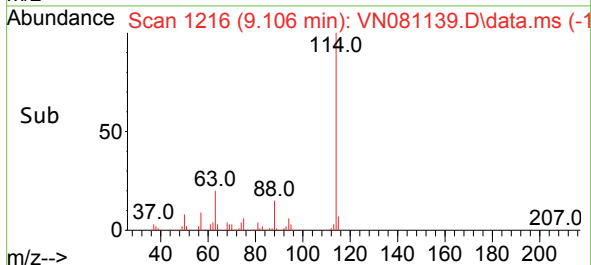
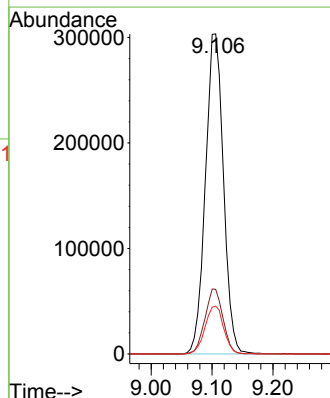
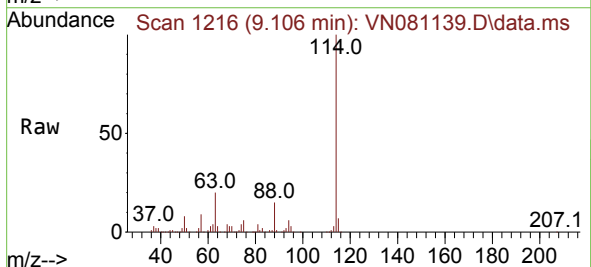
Tgt Ion: 114 Resp: 625158

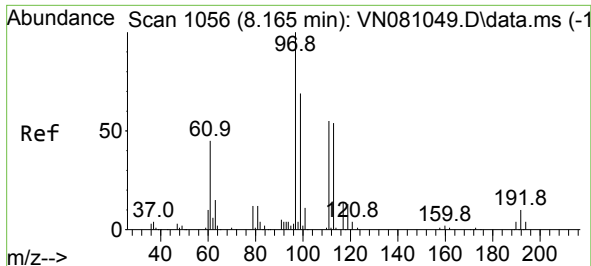
Ion Ratio Lower Upper

114 100

63 20.2 0.0 48.0

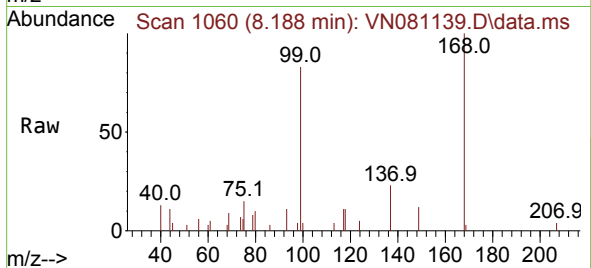
88 15.0 0.0 34.8



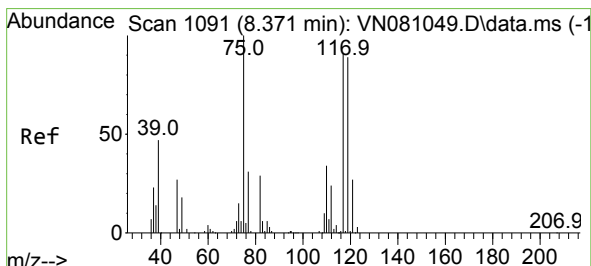
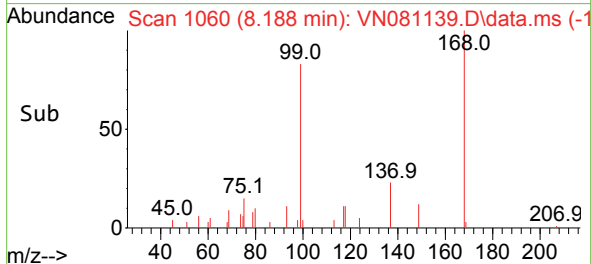
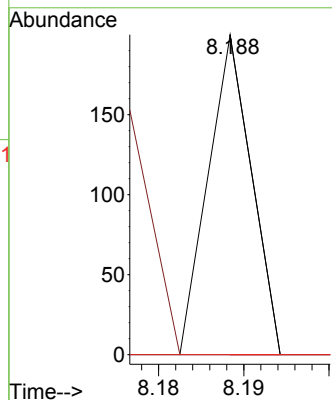


#35
Dibromofluoromethane
Concen: 0.020 ug/l
RT: 8.188 min Scan# 1060
Delta R.T. 0.023 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

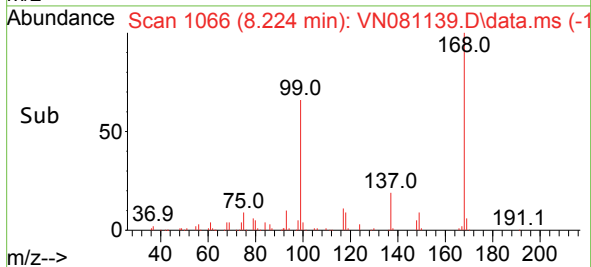
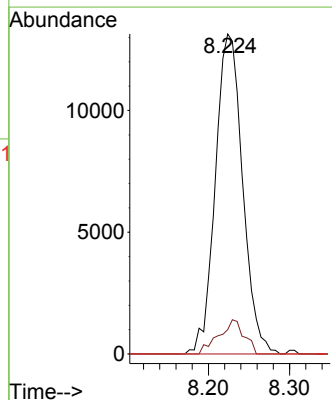
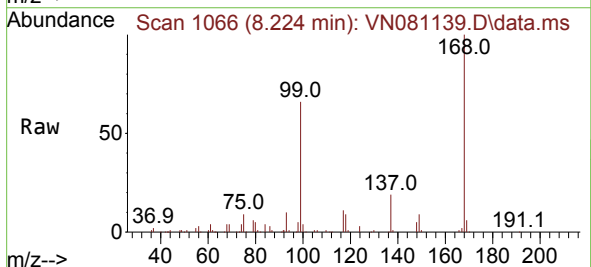


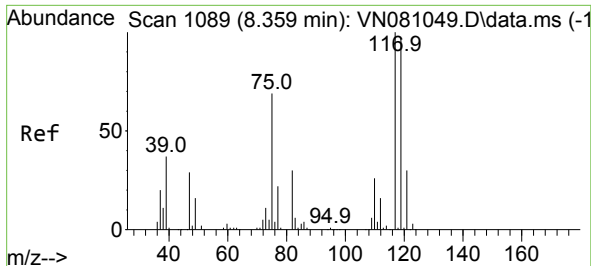
Tgt Ion:113 Resp: 71
Ion Ratio Lower Upper
113 100
111 76.1 82.2 123.4#
192 0.0 12.5 18.7#



#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

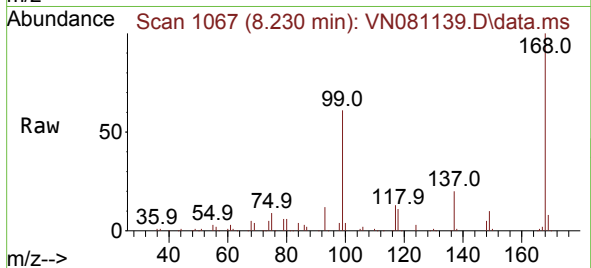
Tgt Ion: 75 Resp: 30695
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#



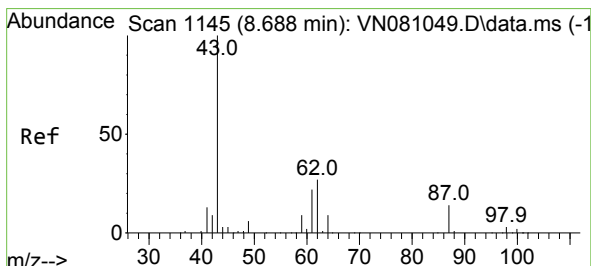
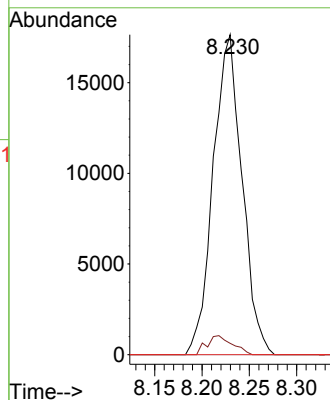
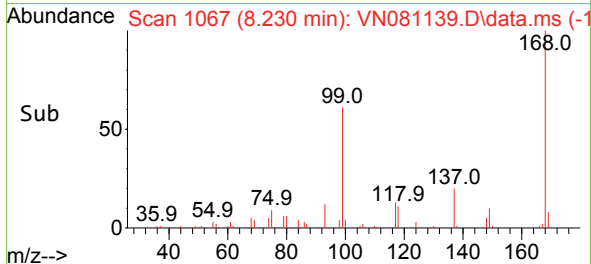


#38
Carbon Tetrachloride
Concen: 6.109 ug/l
RT: 8.230 min Scan# 1109
Delta R.T. -0.130 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

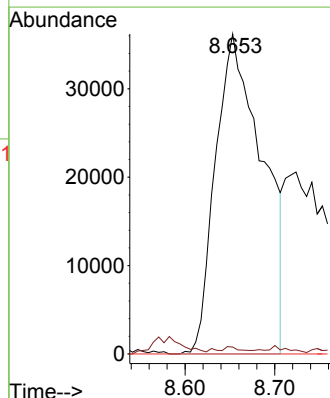
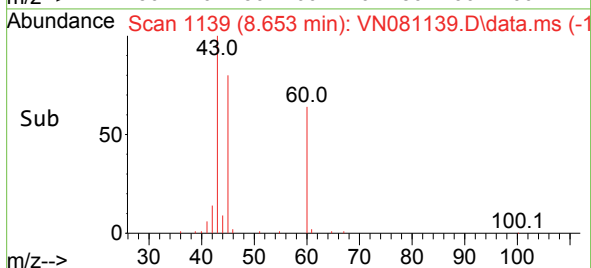
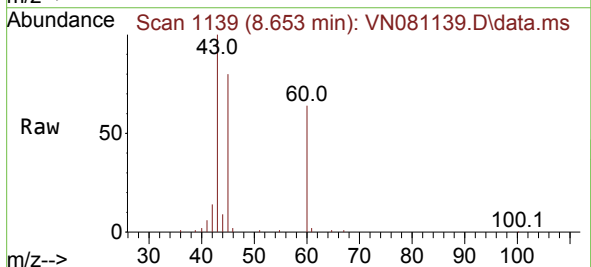


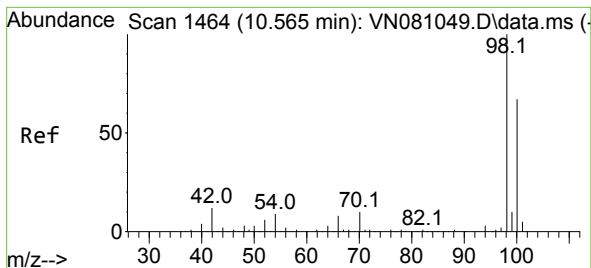
Tgt Ion:117 Resp: 37433
Ion Ratio Lower Upper
117 100
119 3.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 13.829 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.035 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Tgt Ion: 43 Resp: 132203
Ion Ratio Lower Upper
43 100
61 0.8 19.9 29.9#
87 0.0 9.0 13.6#





#50

Toluene-d8

Concen: 45.193 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081139.D

Acq: 22 Feb 2024 16:47

Instrument :

MSVOA_N

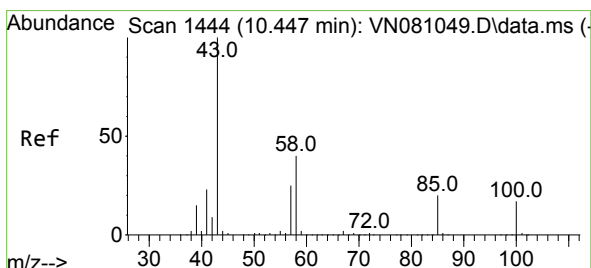
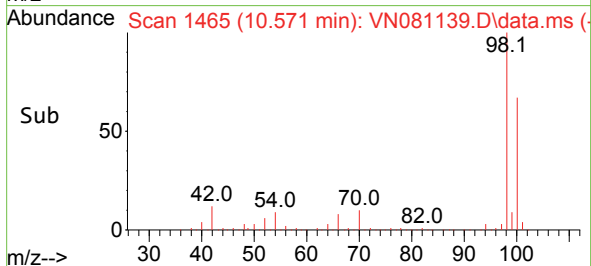
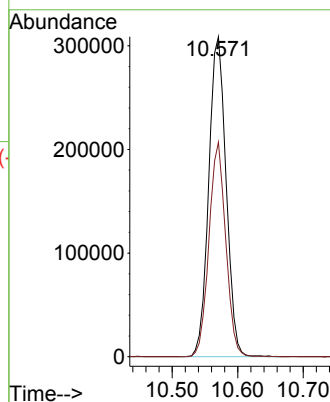
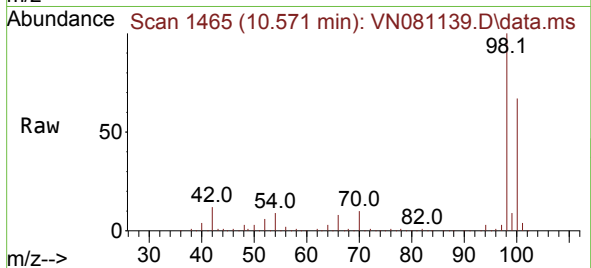
ClientSampleId :

Tgt Ion: 98 Resp: 567426

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.938 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN081139.D

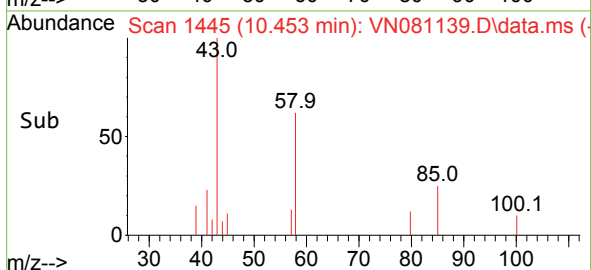
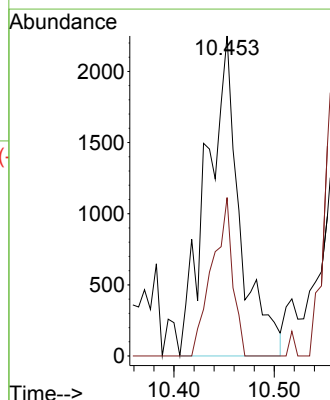
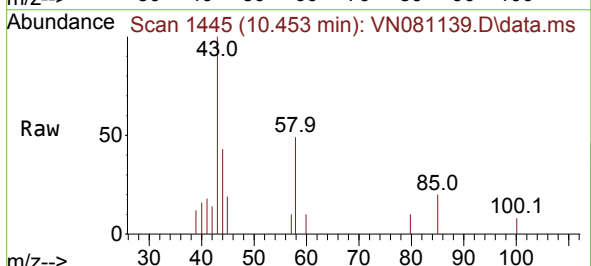
Acq: 22 Feb 2024 16:47

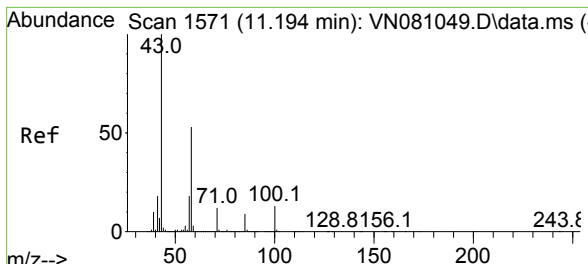
Tgt Ion: 43 Resp: 5160

Ion Ratio Lower Upper

43 100

58 30.7 29.4 44.0



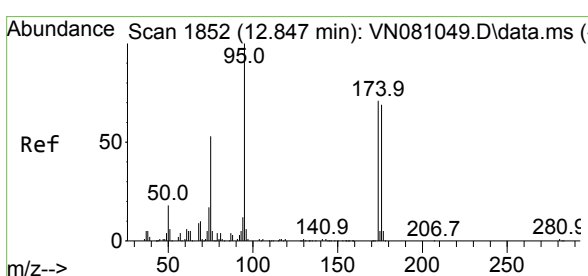
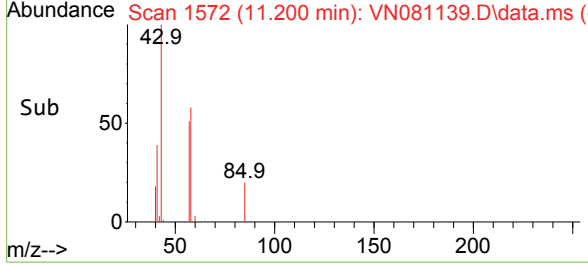
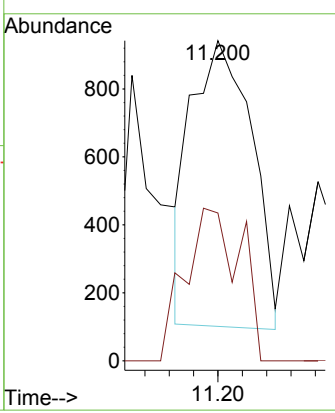
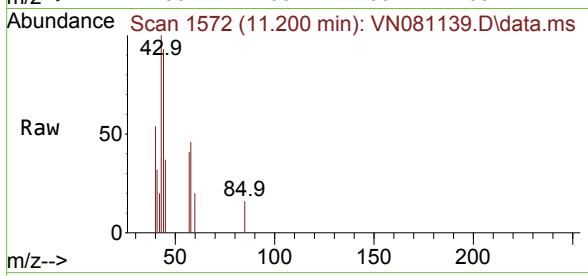


#59
 2-Hexanone
 Concen: 0.332 ug/l
 RT: 11.200 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN081139.D
 Acq: 22 Feb 2024 16:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 43 Resp: 1448

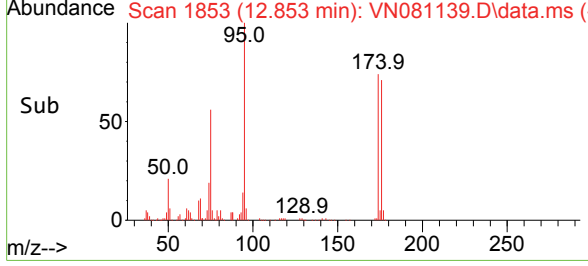
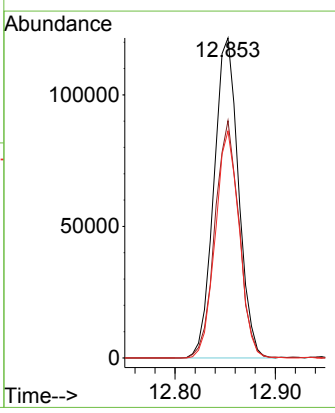
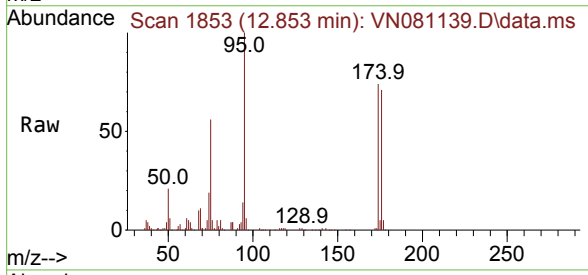
Ion	Ratio	Lower	Upper
43	100		
58	49.0	25.9	77.8

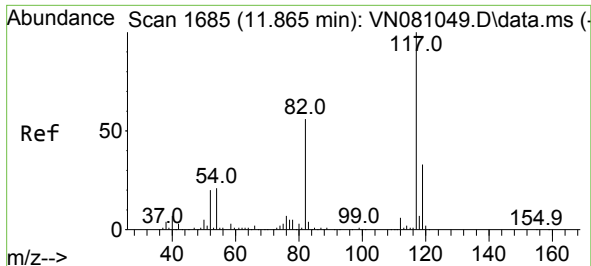


#62
 4-Bromofluorobenzene
 Concen: 43.843 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081139.D
 Acq: 22 Feb 2024 16:47

Tgt Ion: 95 Resp: 206845

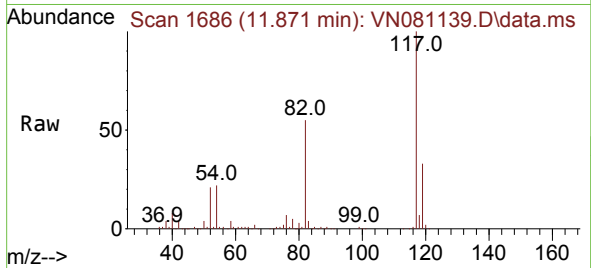
Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	120.4
176	69.1	0.0	121.0



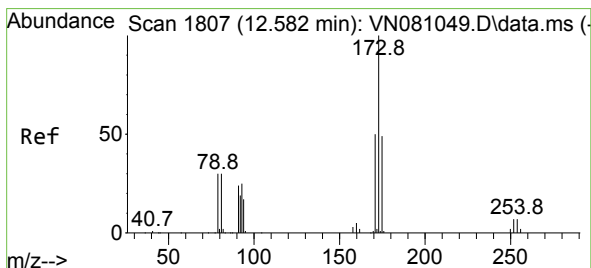
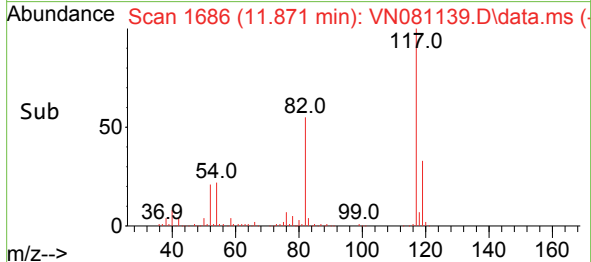
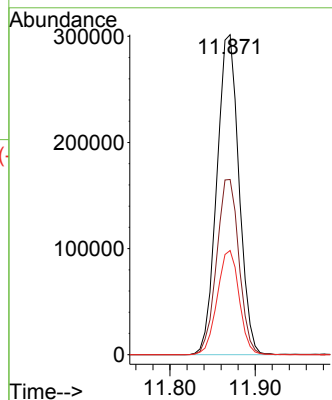


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :

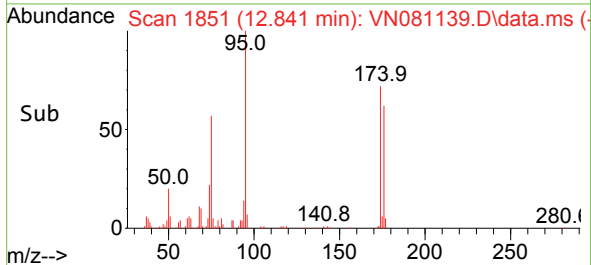
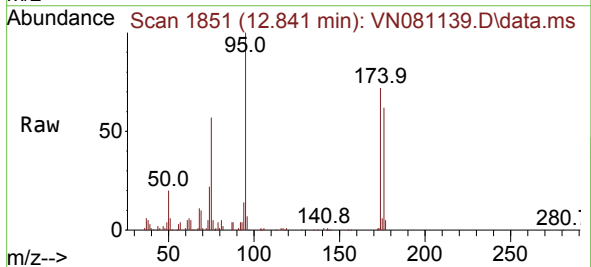
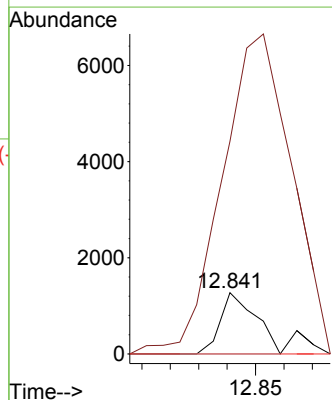


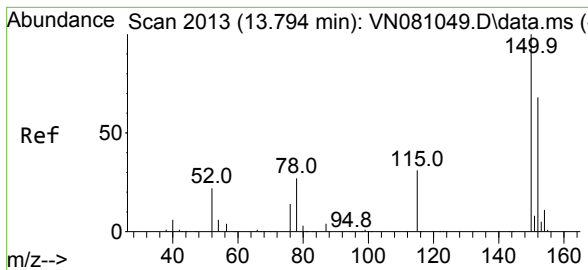
Tgt Ion:117 Resp: 543089
Ion Ratio Lower Upper
117 100
82 54.7 52.7 79.1
119 32.6 25.3 37.9



#71
Bromoform
Concen: 0.414 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN081139.D
Acq: 22 Feb 2024 16:47

Tgt Ion:173 Resp: 1108
Ion Ratio Lower Upper
173 100
175 855.7 23.1 69.2#
254 0.0 0.0 0.0

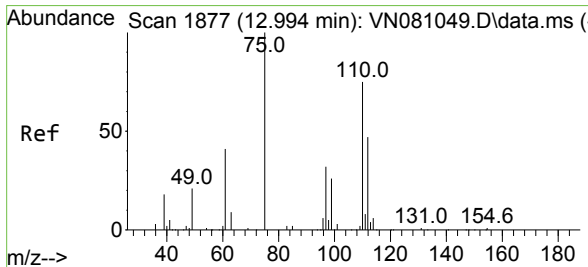
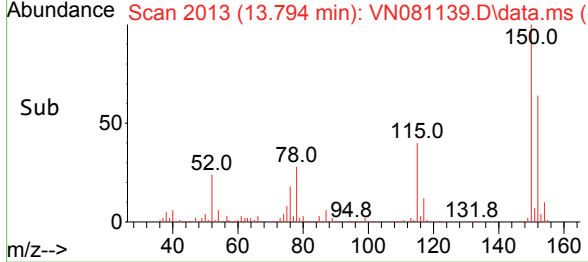
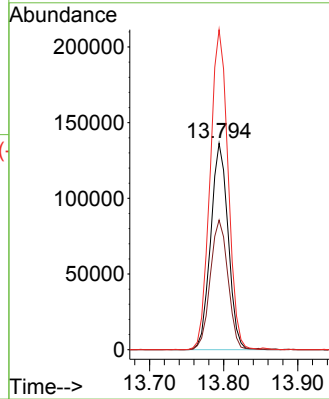
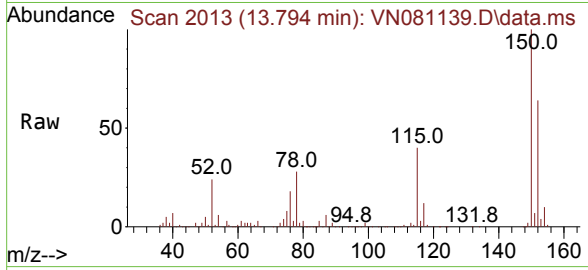




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081139.D
 Acq: 22 Feb 2024 16:47

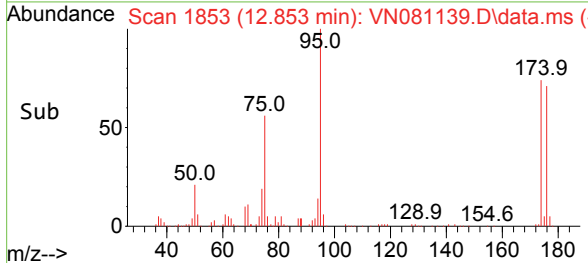
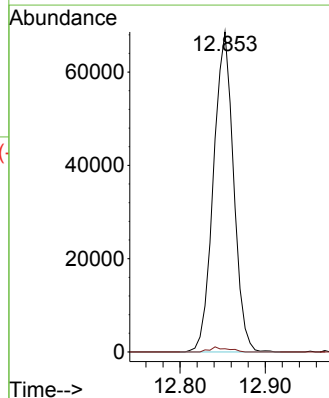
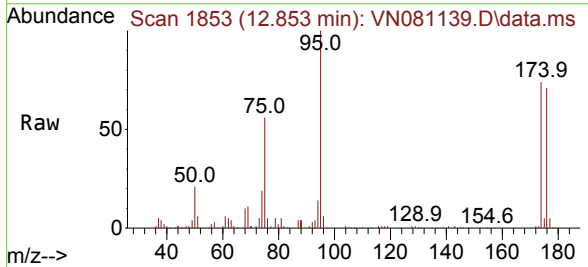
Instrument :
 MSVOA_N
 ClientSampleId :

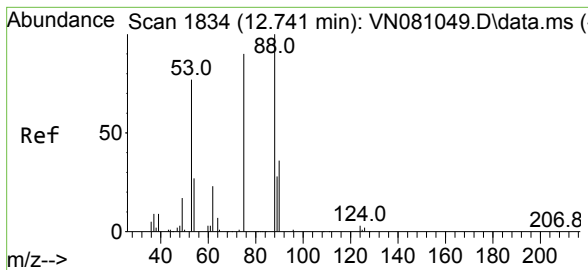
Tgt Ion:152 Resp: 223463
 Ion Ratio Lower Upper
 152 100
 115 63.6 32.3 96.8
 150 159.1 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 22.116 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081139.D
 Acq: 22 Feb 2024 16:47

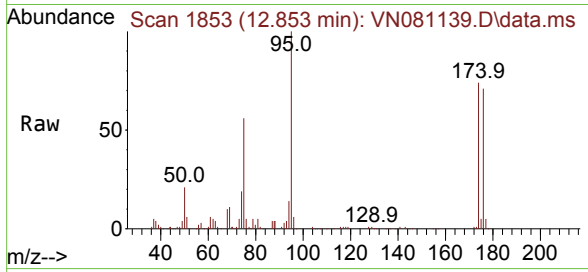
Tgt Ion: 75 Resp: 112287
 Ion Ratio Lower Upper
 75 100
 77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.924 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081139.D
 Acq: 22 Feb 2024 16:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 112287
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

