

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040824\
 Data File : VN081671.D
 Acq On : 08 Apr 2024 12:54
 Operator : JC\MD
 Sample : P1995-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 280648

Quant Time: Apr 09 01:54:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

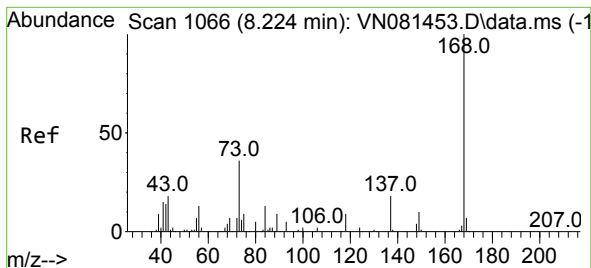
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	391808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	712113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	663596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	276719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	258760	51.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.580%			
35) Dibromofluoromethane	8.171	113	226392	50.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	10.565	98	847949	52.195	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.853	95	286595	50.065	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.140%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	1099	0.209	ug/l	90
10) Methyl Iodide	4.600	142	1768	0.356	ug/l #	81
11) Tert butyl alcohol	5.524	59	1588	1.824	ug/l #	72
13) Acrolein	4.177	56	402	0.514	ug/l #	44
16) Acetone	4.430	43	105709	65.463	ug/l	94
17) Carbon Disulfide	4.712	76	3930	0.296	ug/l #	78
18) Methyl Acetate	5.024	43	2448	0.492	ug/l #	67
20) Methylene Chloride	5.289	84	20559	3.887	ug/l #	73
25) 2-Butanone	7.477	43	9669	3.491	ug/l #	84
29) Tetrahydrofuran	7.835	42	526	0.282	ug/l #	47
31) Cyclohexane	8.235	56	8372	1.030	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	32378	4.281	ug/l #	50
38) Carbon Tetrachloride	8.229	117	44803	5.408	ug/l #	17
43) Isopropyl Acetate	8.694	43	35578	3.314	ug/l #	88
48) Methyl methacrylate	9.671	41	3360	0.679	ug/l #	30
51) 4-Methyl-2-Pentanone	10.441	43	11687	1.784	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	23978	2.603	ug/l #	59
56) Ethyl methacrylate	10.829	69	76	0.580	ug/l #	20
59) 2-Hexanone	11.170	43	162879	33.631	ug/l #	26
74) N-amyl acetate	12.459	43	2563	0.300	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	148466	22.429	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	148466	60.612	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# 1

Delta R.T. -0.000 min

Lab File: VN081671.D

Acq: 08 Apr 2024 12:54

Instrument :

MSVOA_N

ClientSampleId :

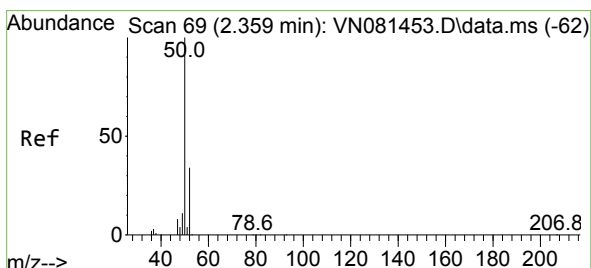
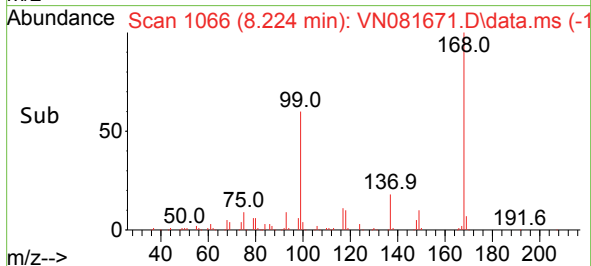
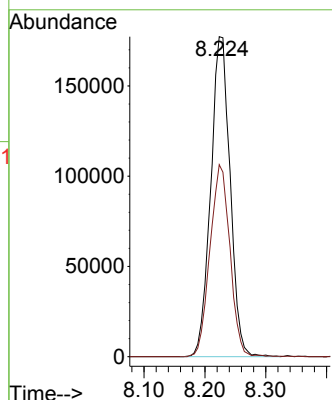
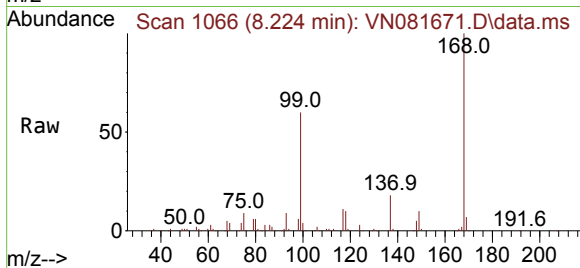
280648

Tgt Ion:168 Resp: 391808

Ion Ratio Lower Upper

168 100

99 60.0 59.9 89.9



#3

Chloromethane

Concen: 0.209 ug/l

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN081671.D

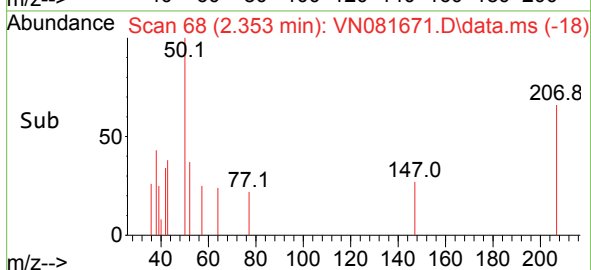
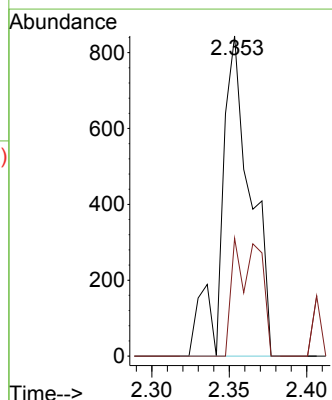
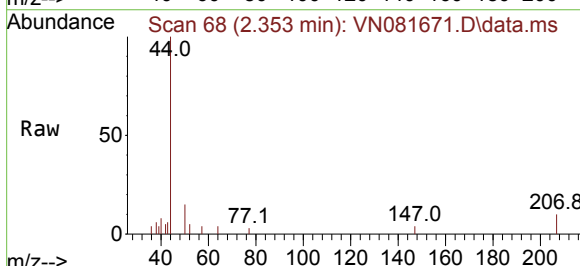
Acq: 08 Apr 2024 12:54

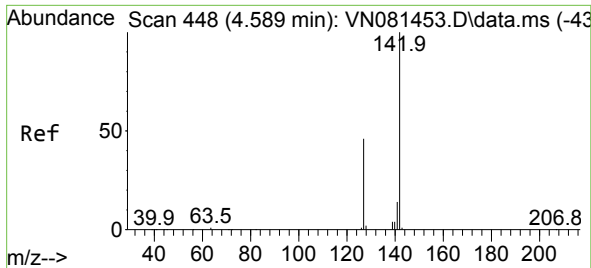
Tgt Ion: 50 Resp: 1099

Ion Ratio Lower Upper

50 100

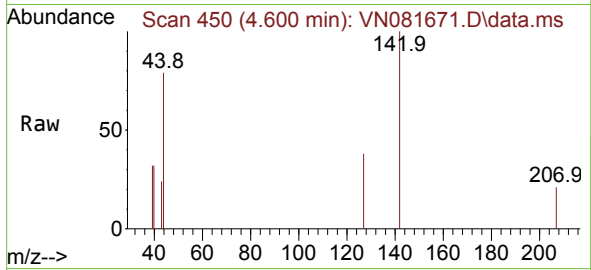
52 36.8 25.0 37.4



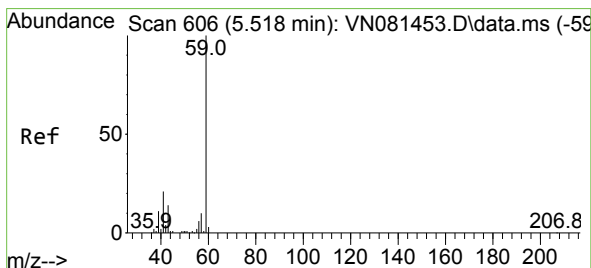
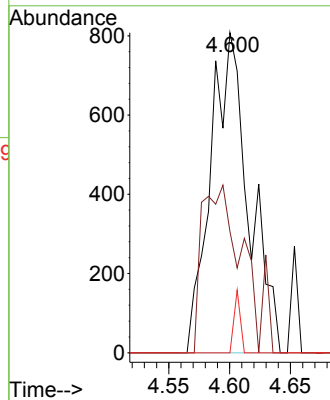
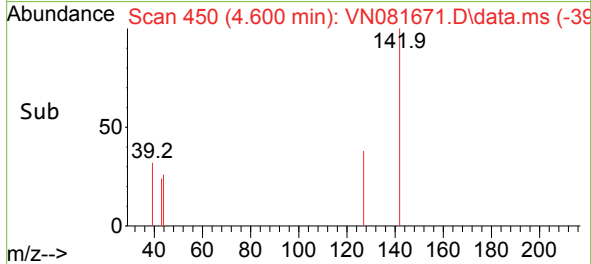


#10
Methyl Iodide
Concen: 0.356 ug/l
RT: 4.600 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
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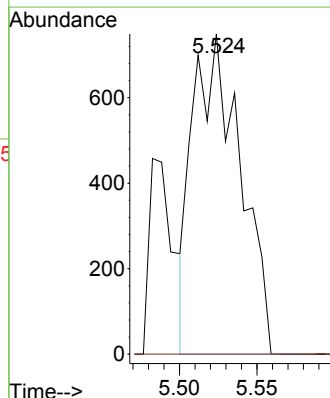
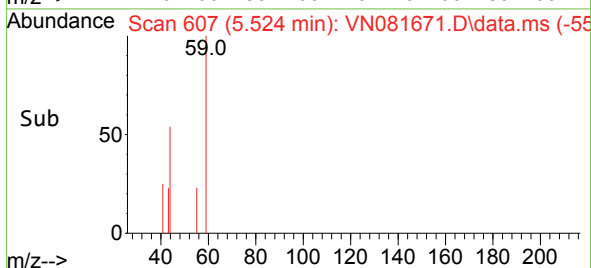
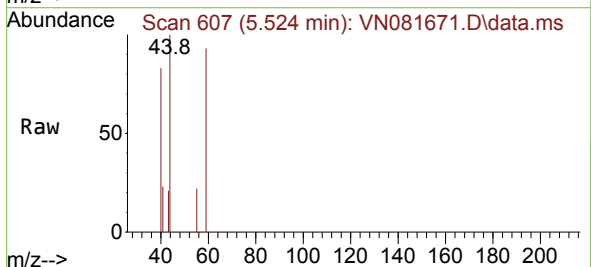


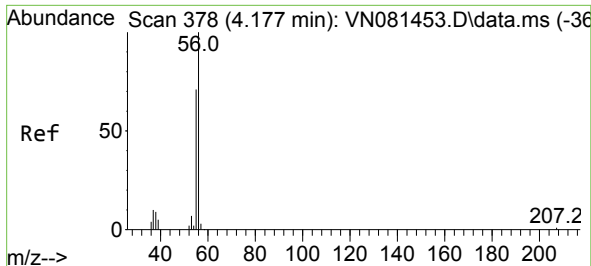
Tgt Ion:142 Resp: 1768
Ion Ratio Lower Upper
142 100
127 37.9 37.0 55.4
141 0.0 12.5 18.7#



#11
Tert butyl alcohol
Concen: 1.824 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

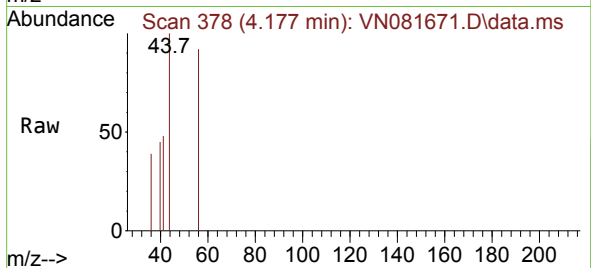
Tgt Ion: 59 Resp: 1588
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



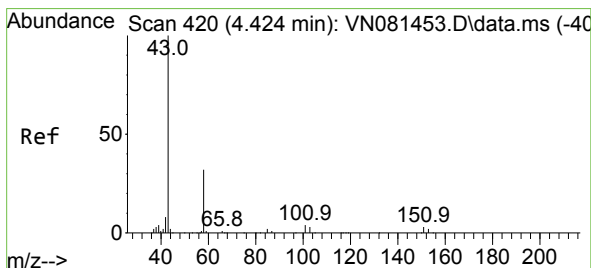
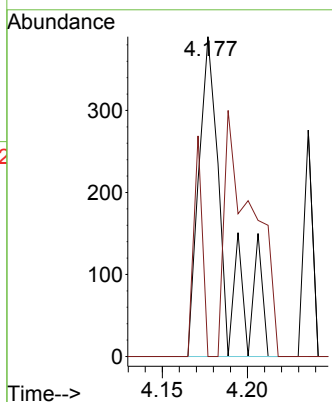
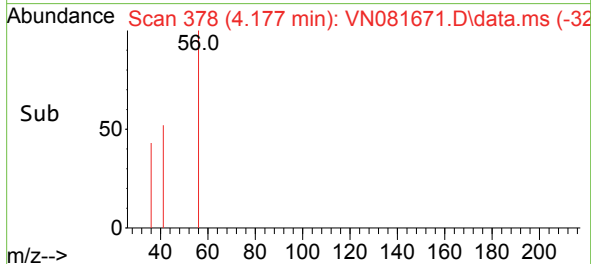


#13
Acrolein
Concen: 0.514 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

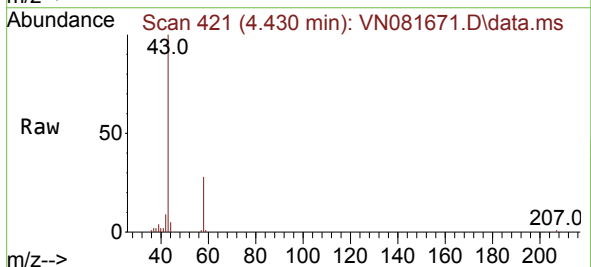
Instrument :
MSVOA_N
ClientSampleId :
280648



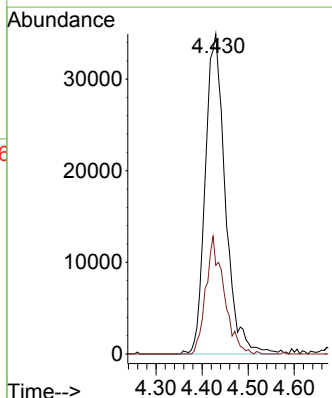
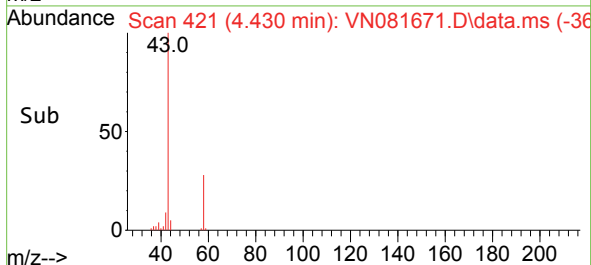
Tgt Ion: 56 Resp: 402
Ion Ratio Lower Upper
56 100
55 23.6 55.3 82.9#

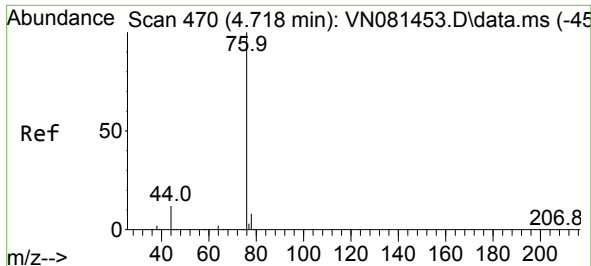


#16
Acetone
Concen: 65.463 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54



Tgt Ion: 43 Resp: 105709
Ion Ratio Lower Upper
43 100
58 27.7 24.8 37.2

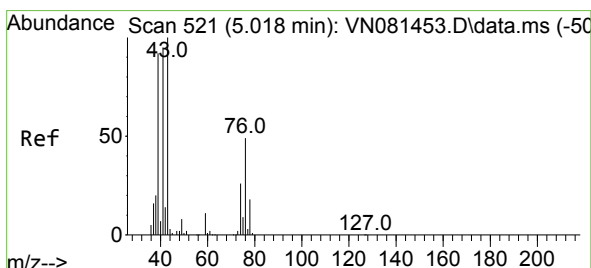
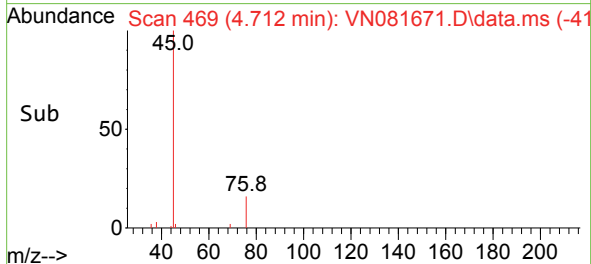
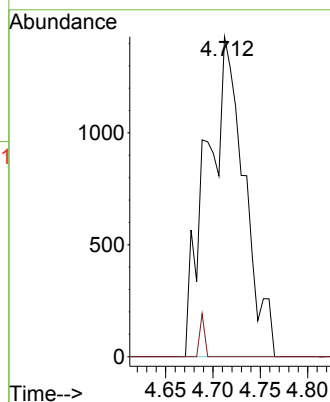
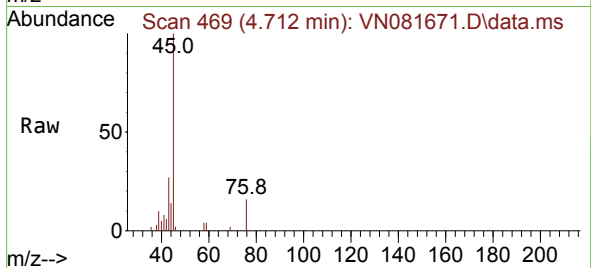




#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

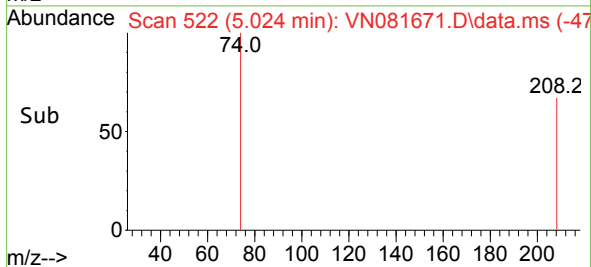
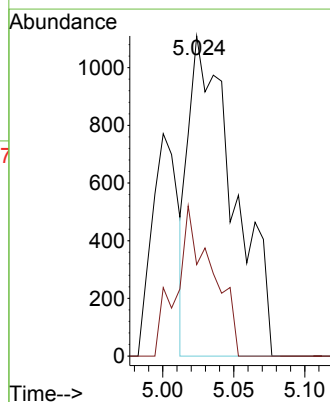
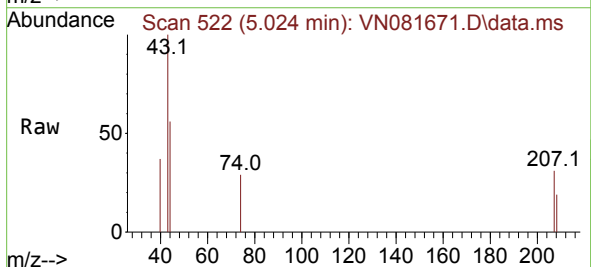
Instrument :
MSVOA_N
ClientSampleId :
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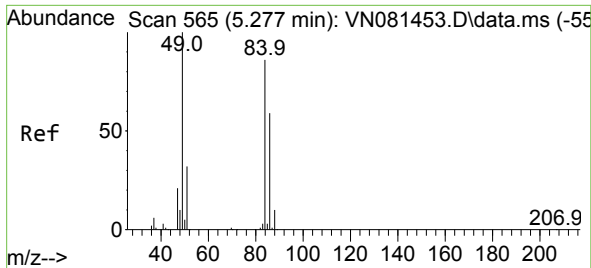
Tgt Ion: 76 Resp: 3930
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
74 37.3 17.3 25.9#

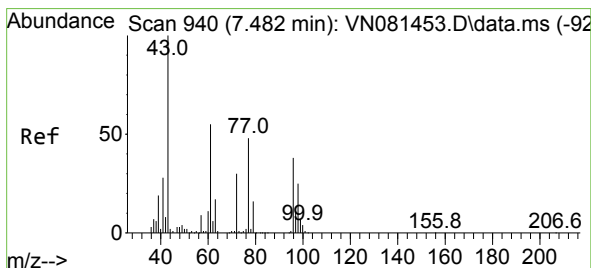
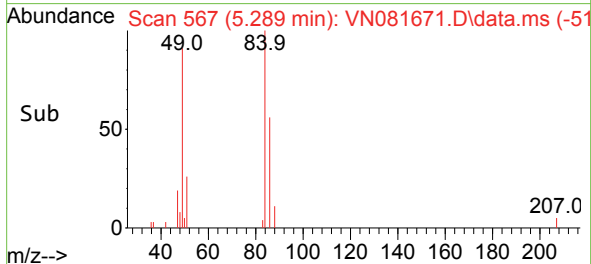
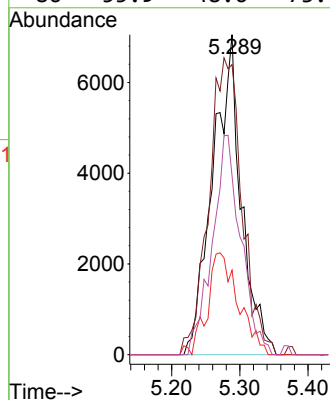
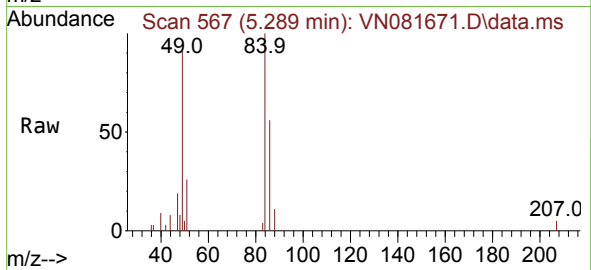




#20
Methylene Chloride
Concen: 3.887 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

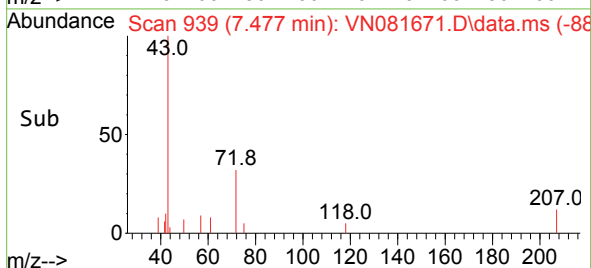
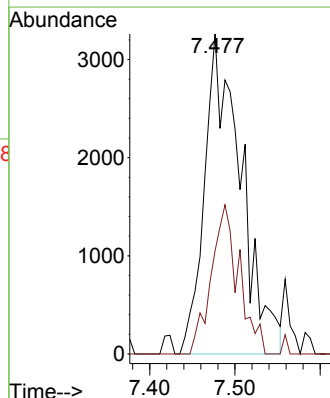
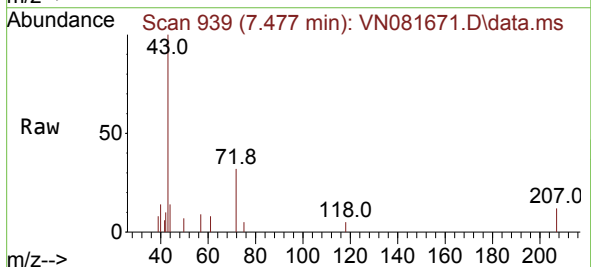
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MSVOA_N
ClientSampleId :
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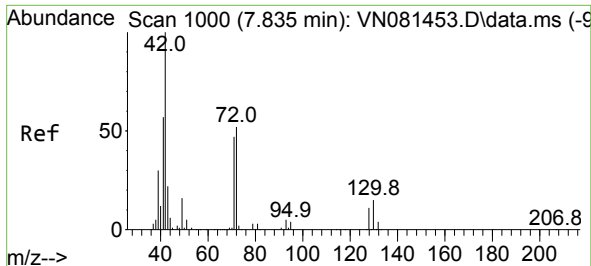
Tgt Ion:	84	Resp:	20559
Ion	Ratio	Lower	Upper
84	100		
49	90.7	108.1	162.1#
51	26.4	32.9	49.3#
86	55.9	48.6	73.0



#25
2-Butanone
Concen: 3.491 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion:	43	Resp:	9669
Ion	Ratio	Lower	Upper
43	100		
72	32.3	19.5	29.3#





#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 7.835 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN081671.D

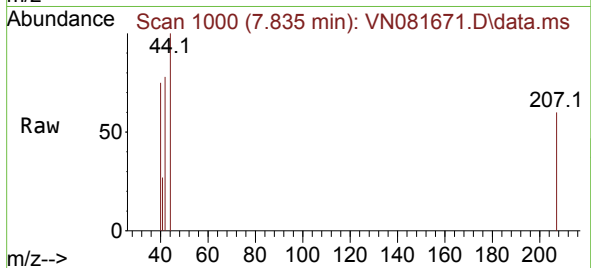
Acq: 08 Apr 2024 12:54

Instrument :

MSVOA_N

ClientSampleId :

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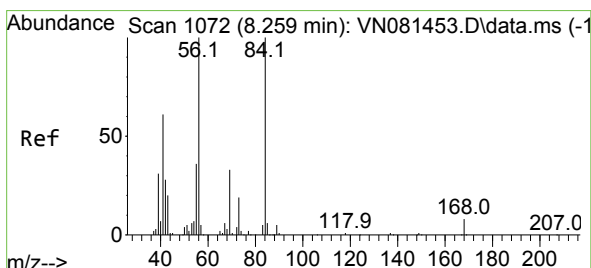
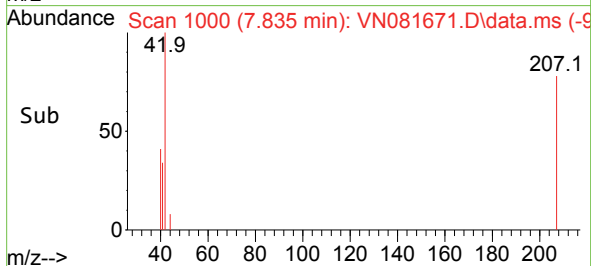
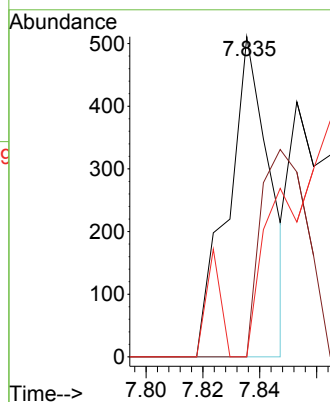
Tgt Ion: 42 Resp: 526

Ion Ratio Lower Upper

42 100

72 0.0 31.1 46.7#

71 11.6 28.3 42.5#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

Lab File: VN081671.D

Acq: 08 Apr 2024 12:54

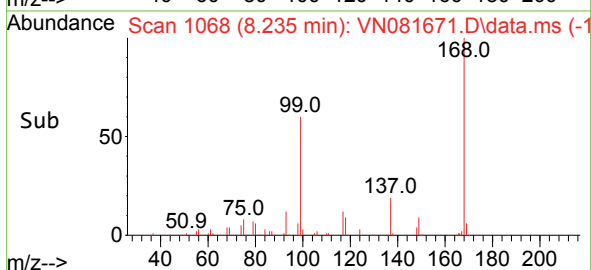
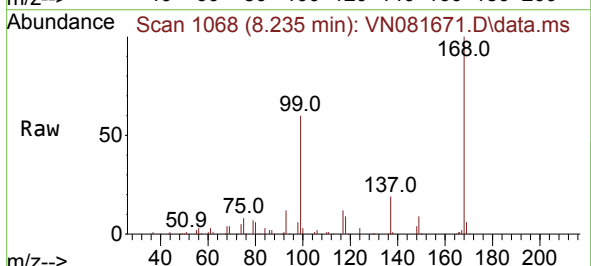
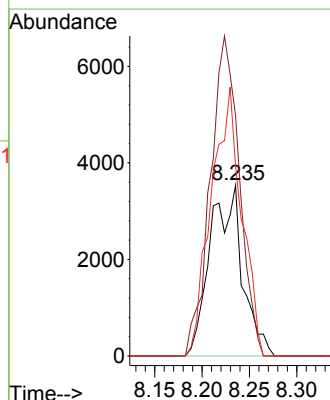
Tgt Ion: 56 Resp: 8372

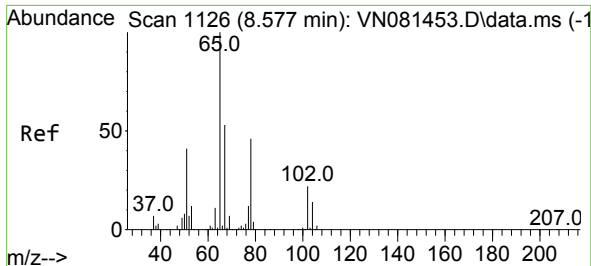
Ion Ratio Lower Upper

56 100

69 141.0 20.1 30.1#

84 111.3 56.9 85.3#

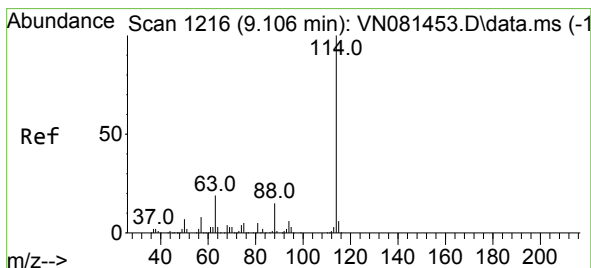
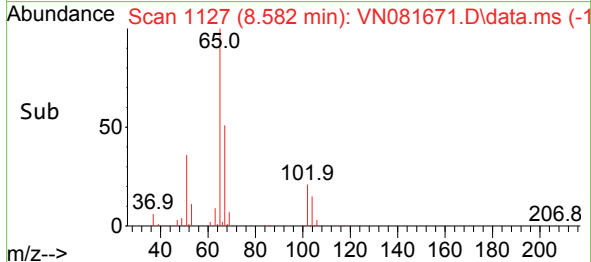
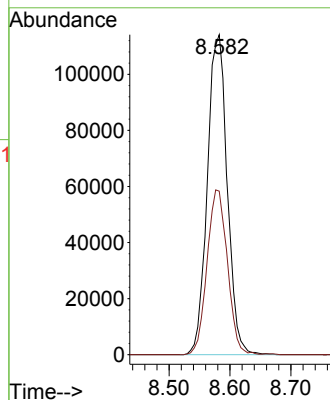
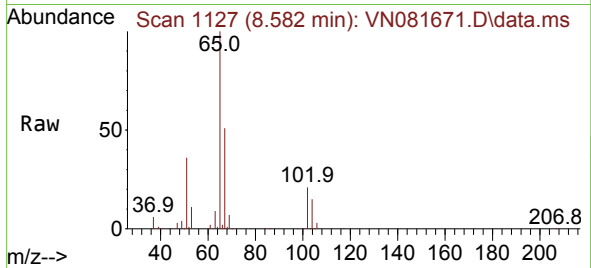




#33
 1,2-Dichloroethane-d4
 Concen: 51.787 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

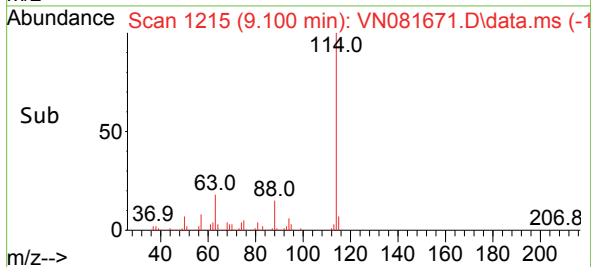
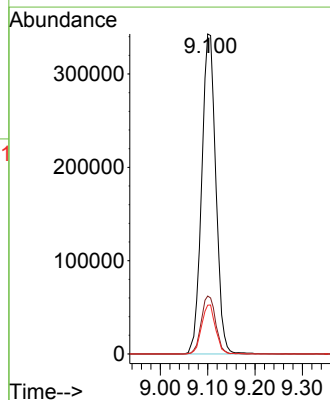
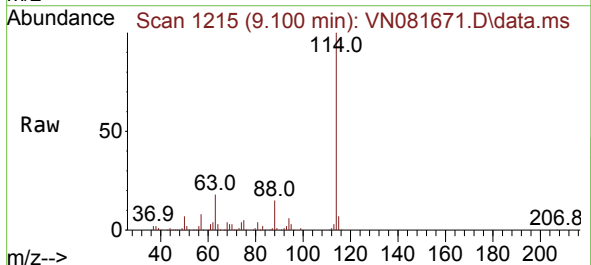
Instrument :
 MSVOA_N
 ClientSampleId :
 280648

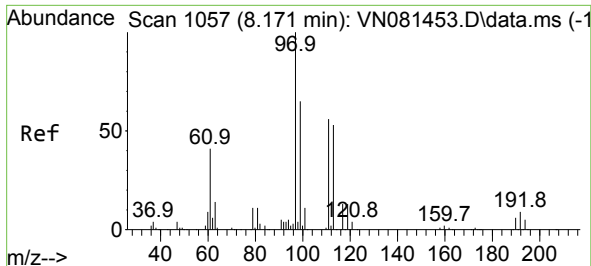
Tgt Ion: 65 Resp: 258760
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

Tgt Ion: 114 Resp: 712113
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 48.0
 88 15.3 0.0 34.8

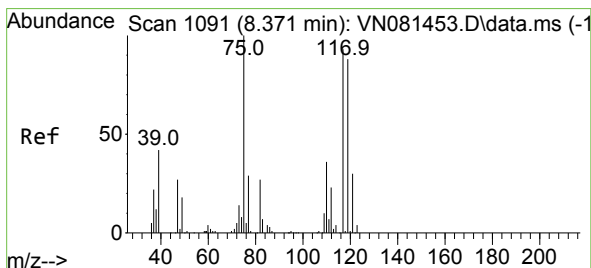
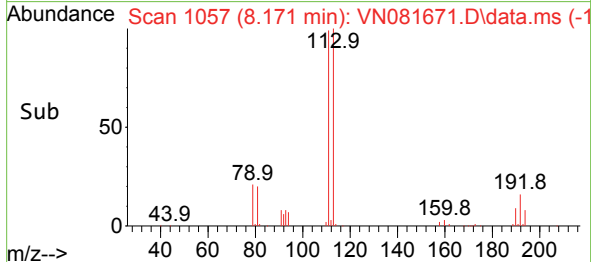
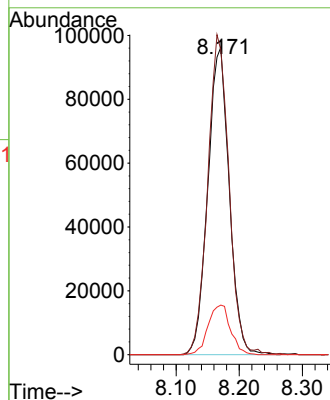
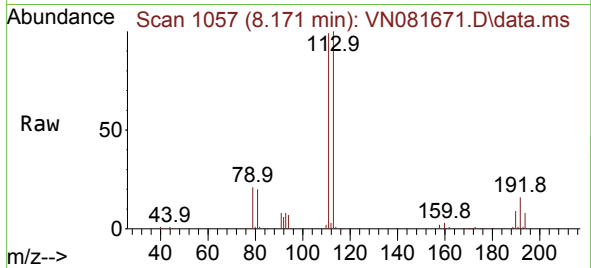




#35
 Dibromofluoromethane
 Concen: 50.375 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

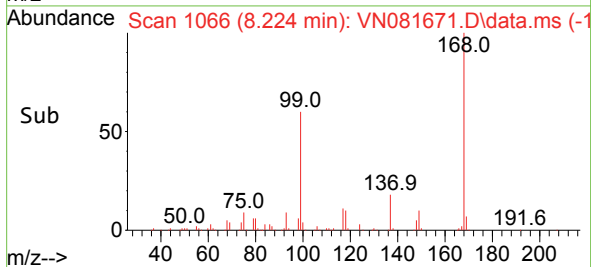
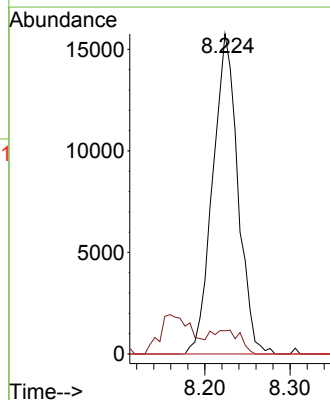
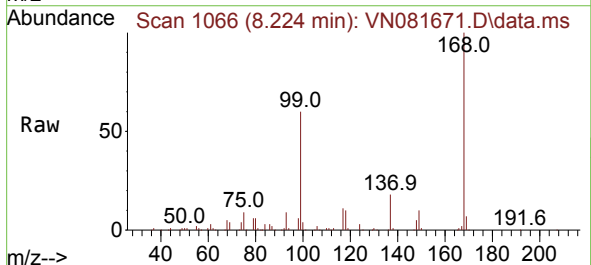
Instrument :
 MSVOA_N
 ClientSampleId :
 280648

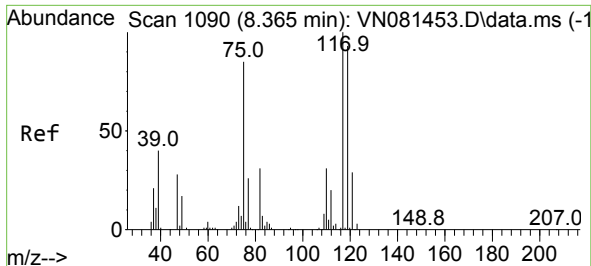
Tgt Ion:113 Resp: 226392
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 16.9 12.5 18.7



#36
 1,1-Dichloropropene
 Concen: 4.281 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

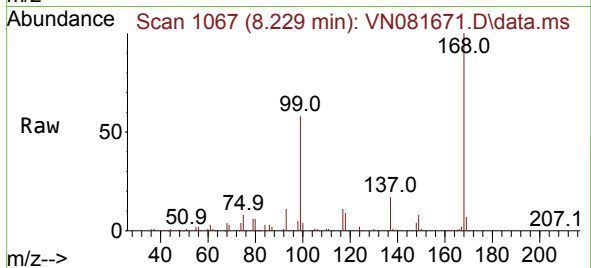
Tgt Ion: 75 Resp: 32378
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.0 48.0#
 77 0.0 25.8 38.6#



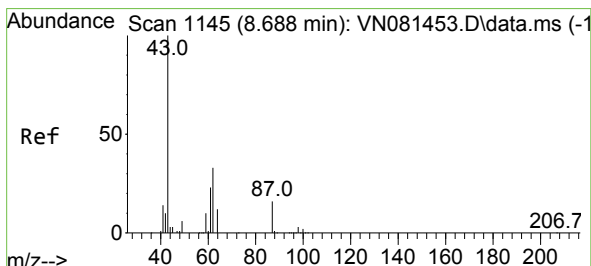
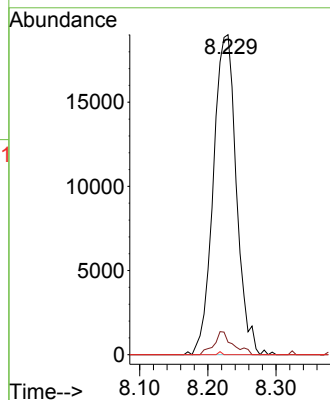
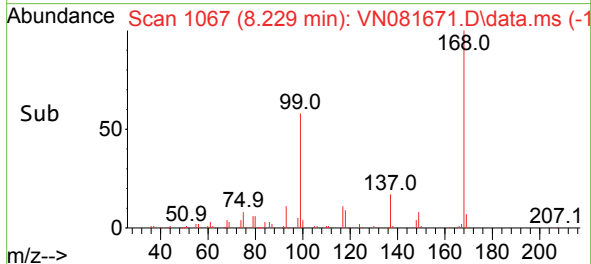


#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

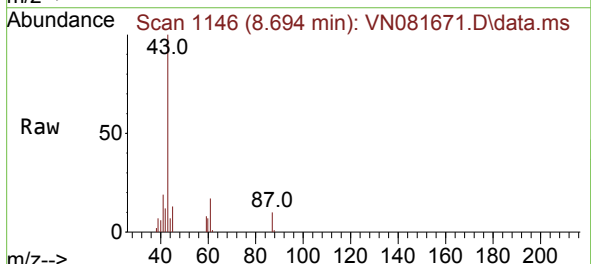
Instrument :
MSVOA_N
ClientSampleId :
280648



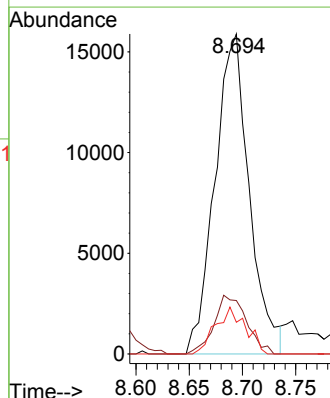
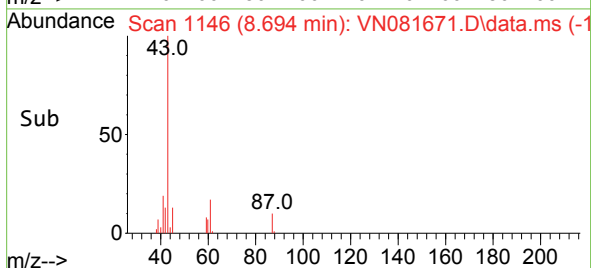
Tgt Ion:117 Resp: 44803
Ion Ratio Lower Upper
117 100
119 3.9 73.4 110.2#
121 0.0 24.4 36.6#

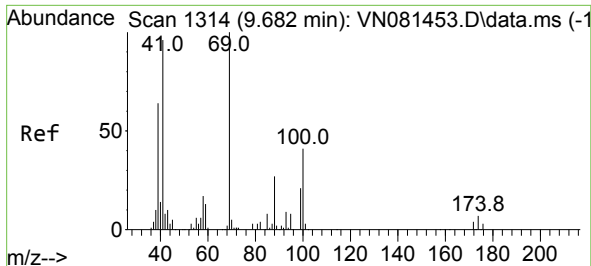


#43
Isopropyl Acetate
Concen: 3.314 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54



Tgt Ion: 43 Resp: 35578
Ion Ratio Lower Upper
43 100
61 17.4 19.9 29.9#
87 12.9 9.0 13.6

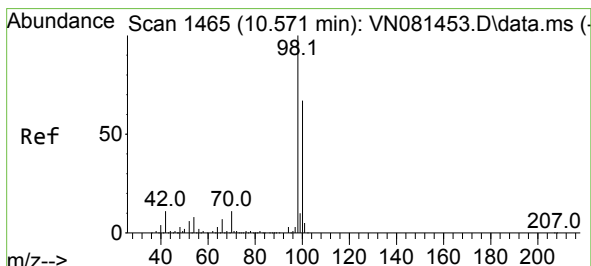
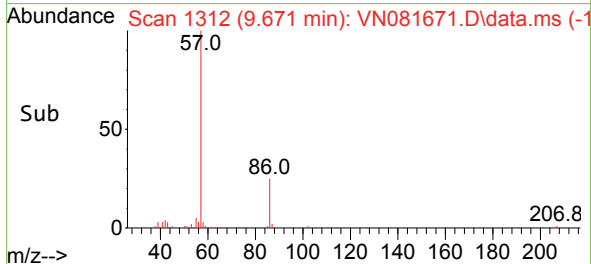
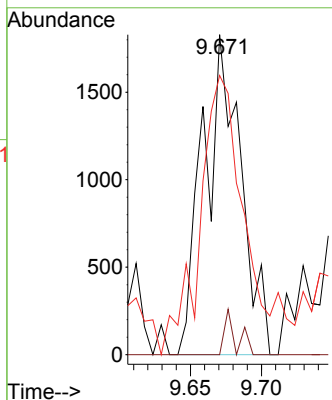
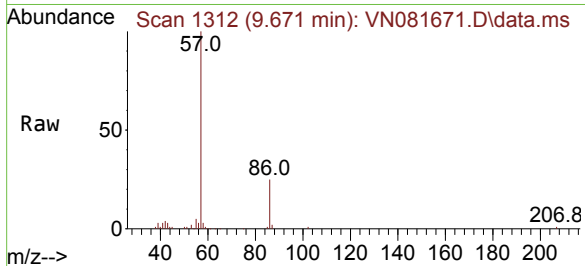




#48
Methyl methacrylate
Concen: 0.679 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

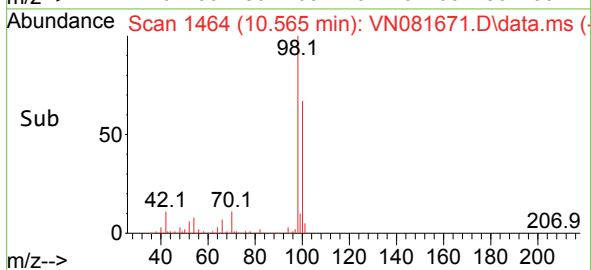
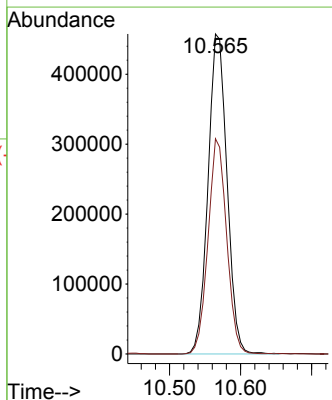
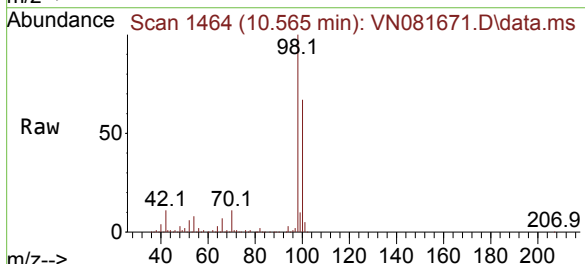
Instrument :
MSVOA_N
ClientSampleId :
280648

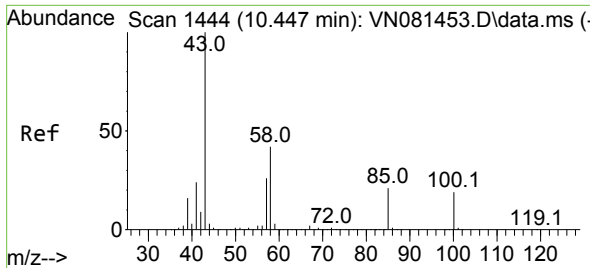
Tgt Ion: 41 Resp: 3360
Ion Ratio Lower Upper
41 100
69 4.4 62.2 93.2#
39 98.5 47.6 71.4#



#50
Toluene-d8
Concen: 52.195 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion: 98 Resp: 847949
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0

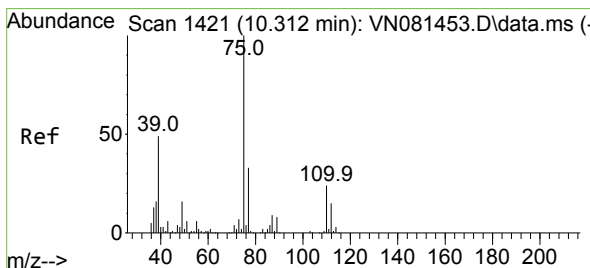
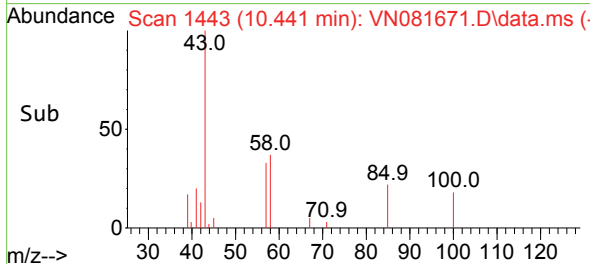
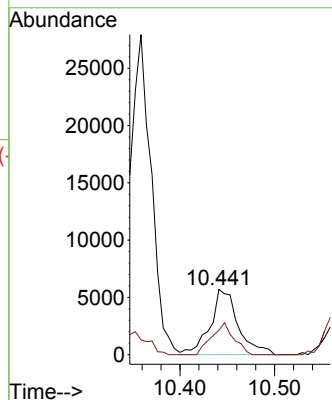
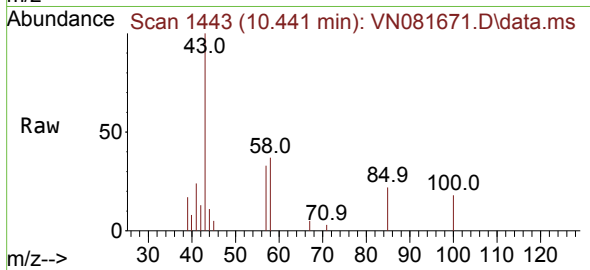




#51
4-Methyl-2-Pentanone
Concen: 1.784 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

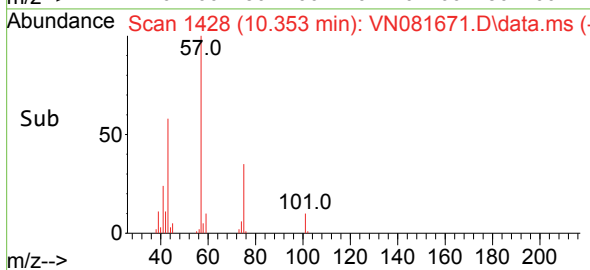
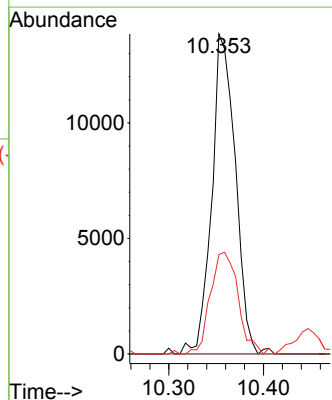
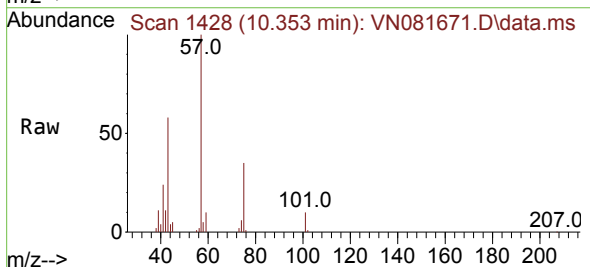
Instrument :
MSVOA_N
ClientSampleId :
280648

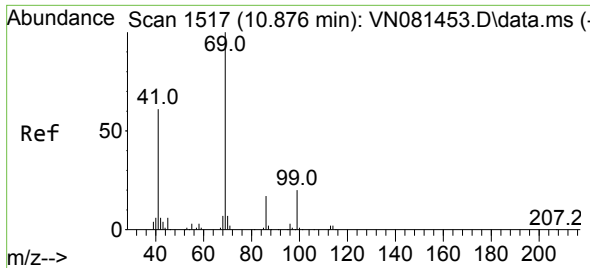
Tgt Ion: 43 Resp: 11687
Ion Ratio Lower Upper
43 100
58 38.5 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 2.603 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion: 75 Resp: 23978
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 31.1 44.6 66.8#

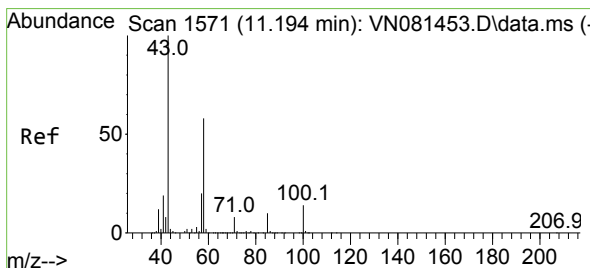
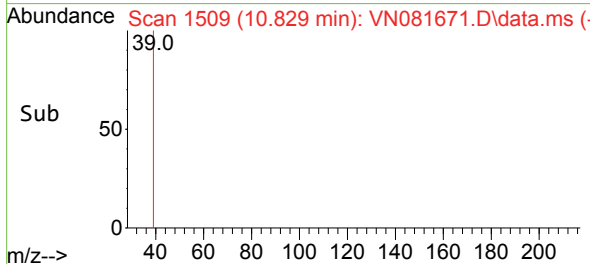
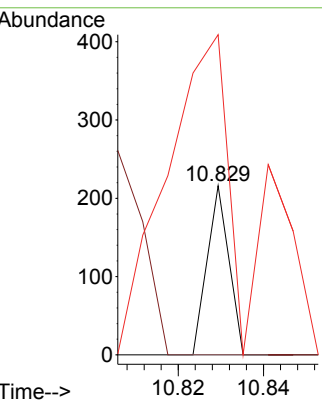
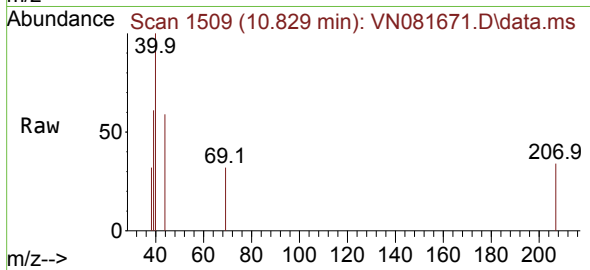




#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

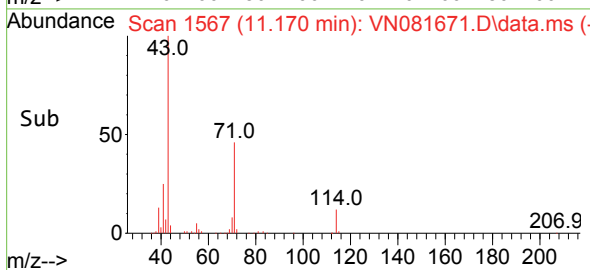
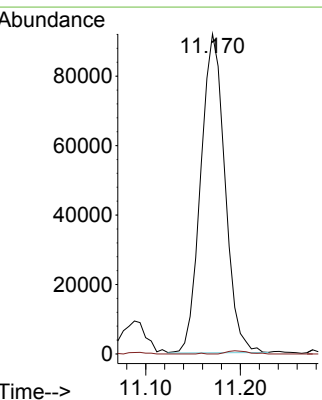
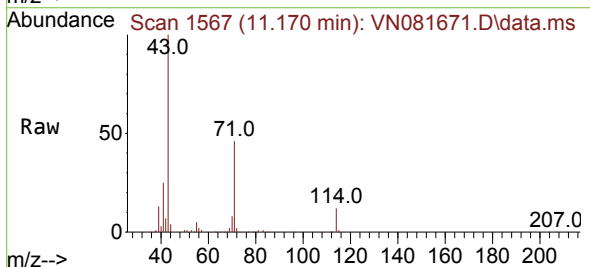
Instrument :
MSVOA_N
ClientSampleId :
280648

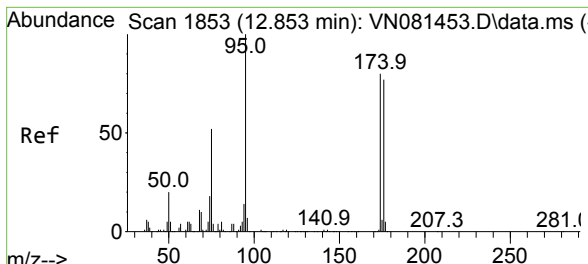
Tgt Ion: 69 Resp: 76
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#



#59
2-Hexanone
Concen: 33.631 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion: 43 Resp: 162879
Ion Ratio Lower Upper
43 100
58 0.1 25.9 77.8#

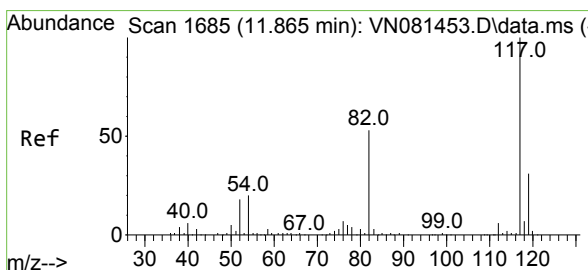
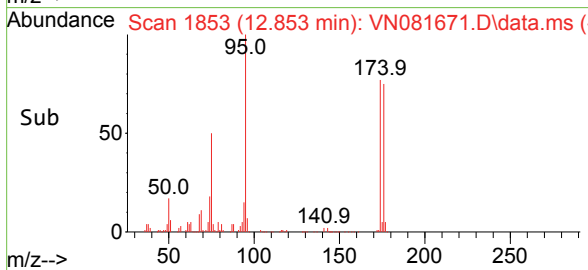
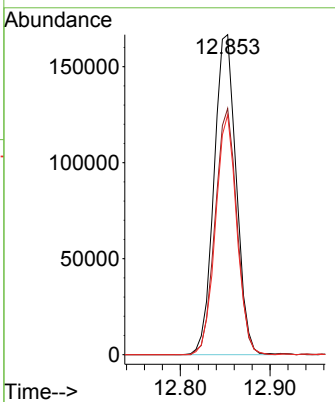
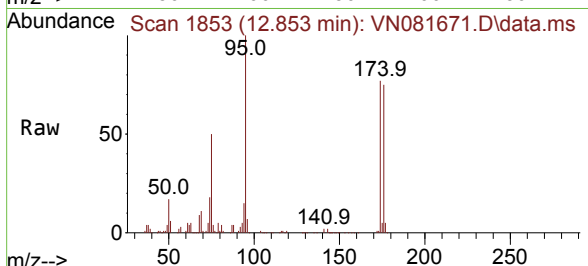




#62
 4-Bromofluorobenzene
 Concen: 50.065 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

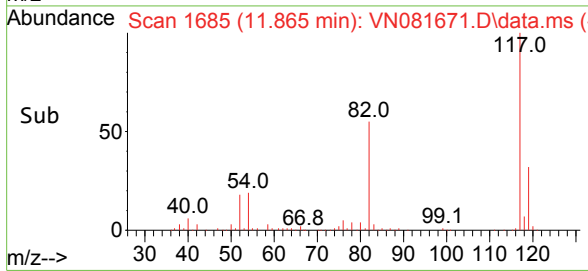
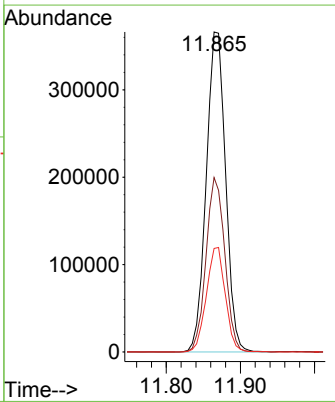
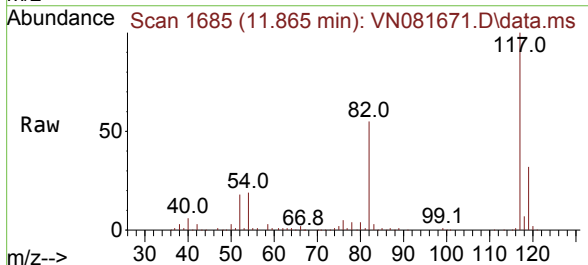
Instrument :
 MSVOA_N
 ClientSampleId :
 280648

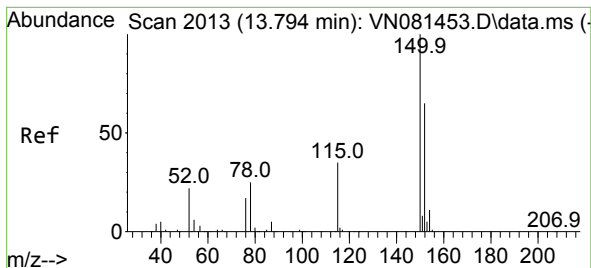
Tgt Ion:	95	Resp:	286595
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	120.4
176	71.7	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081671.D
 Acq: 08 Apr 2024 12:54

Tgt Ion:	117	Resp:	663596
Ion Ratio	Lower	Upper	
117	100		
82	54.5	52.7	79.1
119	32.3	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: VN081671.D

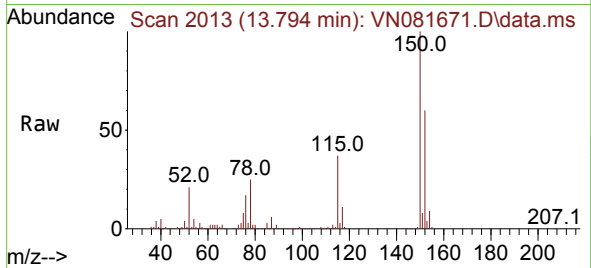
Acq: 08 Apr 2024 12:54

Instrument :

MSVOA_N

ClientSampleId :

280648



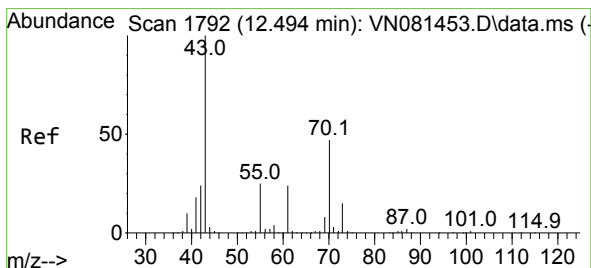
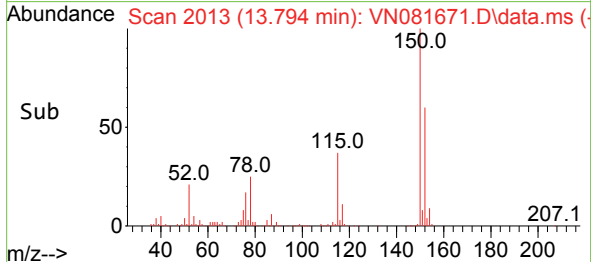
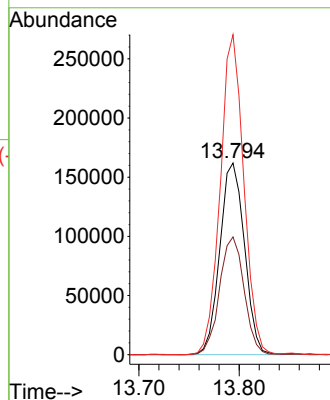
Tgt Ion:152 Resp: 276719

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 159.3 0.0 339.8



#74

N-ethyl acetate

Concen: 0.300 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN081671.D

Acq: 08 Apr 2024 12:54

Tgt Ion: 43 Resp: 2563

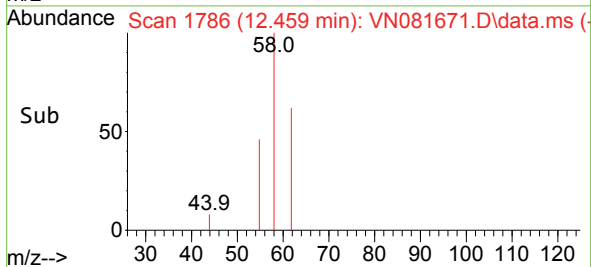
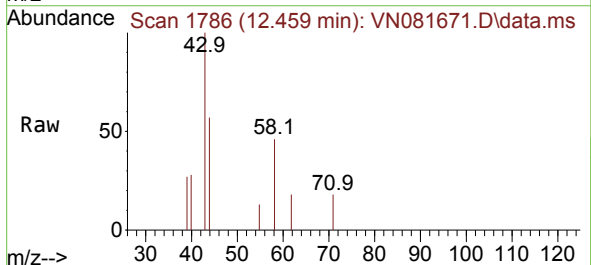
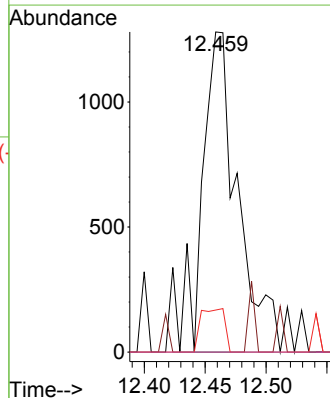
Ion Ratio Lower Upper

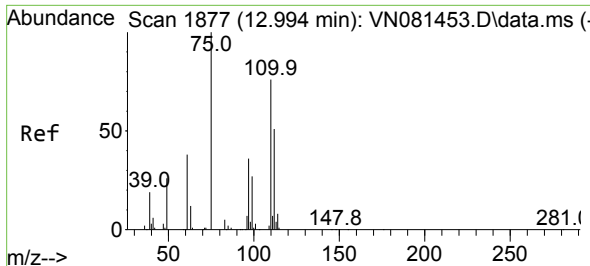
43 100

70 0.0 30.1 45.1#

55 9.2 17.0 25.4#

61 0.0 17.5 26.3#

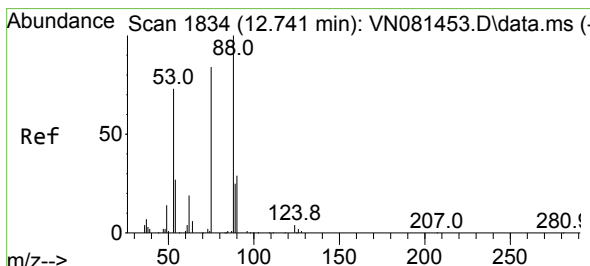
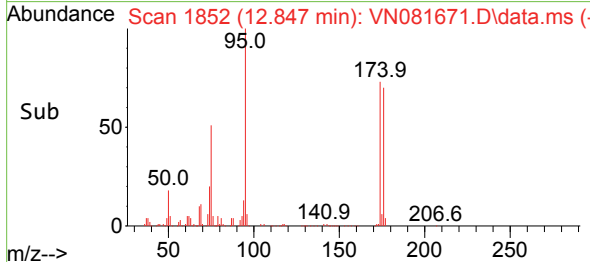
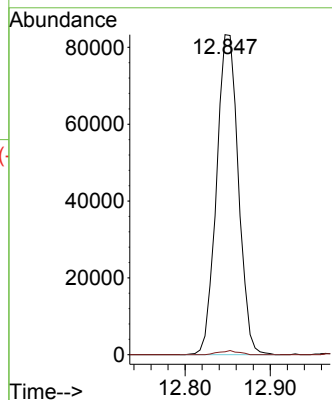
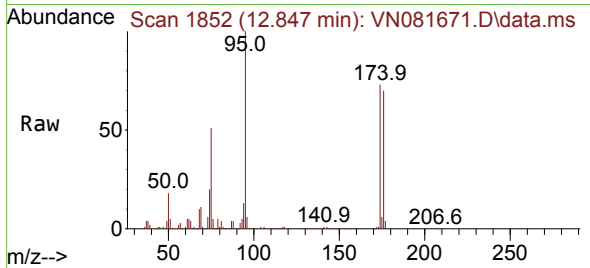




#76
1,2,3-Trichloropropane
Concen: 22.429 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Instrument :
MSVOA_N
ClientSampleId :
280648

Tgt Ion: 75 Resp: 148466
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081671.D
Acq: 08 Apr 2024 12:54

Tgt Ion: 75 Resp: 148466
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

