

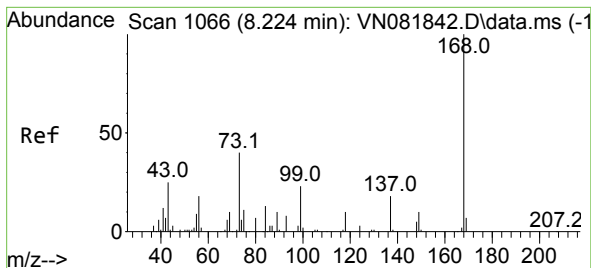
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081932.D
 Acq On : 30 Apr 2024 15:41
 Operator : JC\MD
 Sample : P2283-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 00:55:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	213692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	429876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	379124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	165134	45.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.580%
35) Dibromofluoromethane	8.165	113	124420	48.072	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	10.565	98	526254	51.771	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.540%
62) 4-Bromofluorobenzene	12.847	95	183591	45.689	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	604	Below Cal	#	62
11) Tert butyl alcohol	5.506	59	474	0.723	ug/l #	69
13) Acrolein	4.171	56	538	Below Cal	#	68
16) Acetone	4.430	43	69330	60.871	ug/l	92
17) Carbon Disulfide	4.718	76	1777	0.228	ug/l #	74
18) Methyl Acetate	5.030	43	3095	0.847	ug/l #	59
20) Methylene Chloride	5.289	84	9820	3.177	ug/l #	80
25) 2-Butanone	7.494	43	6287	3.071	ug/l #	66
29) Tetrahydrofuran	7.836	42	845	0.576	ug/l #	48
31) Cyclohexane	8.230	56	6696	1.232	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	20569	4.885	ug/l #	48
37) Ethyl Acetate	7.553	43	5476	1.203	ug/l #	89
38) Carbon Tetrachloride	8.224	117	23693	5.757	ug/l #	16
43) Isopropyl Acetate	8.688	43	312842	36.546	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1695	0.512	ug/l #	45
48) Methyl methacrylate	9.659	41	5567	1.362	ug/l #	34
51) 4-Methyl-2-Pentanone	10.441	43	8363	1.735	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	68386	12.646	ug/l #	67
57) 1,3-Dichloropropane	11.200	76	7242	1.368	ug/l #	42
59) 2-Hexanone	11.171	43	158170	44.104	ug/l #	23
71) Bromoform	12.847	173	724	0.342	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	95868	24.577	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95868	50.362	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081932.D

Acq: 30 Apr 2024 15:41

Instrument :

MSVOA_N

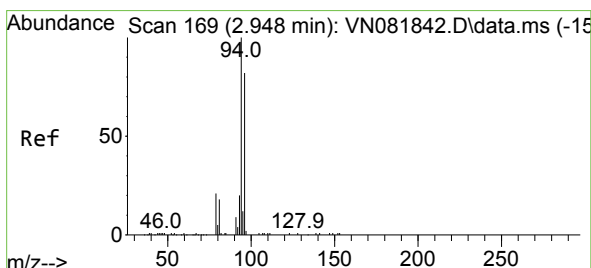
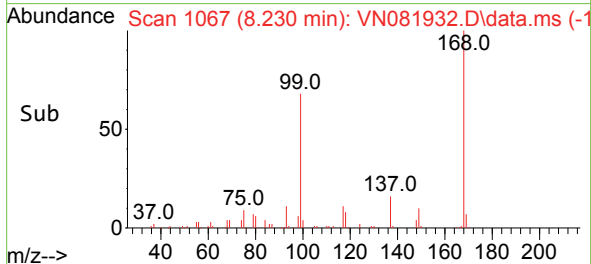
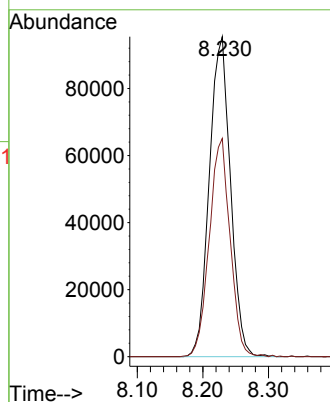
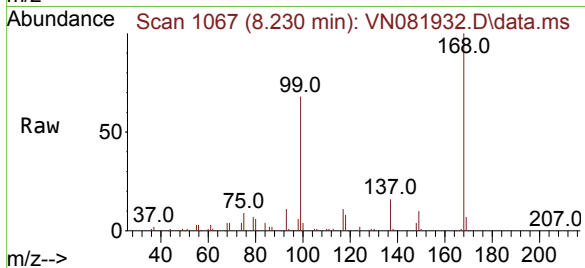
ClientSampleId :

Tgt Ion:168 Resp: 213692

Ion Ratio Lower Upper

168 100

99 68.2 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.965 min Scan# 172

Delta R.T. 0.017 min

Lab File: VN081932.D

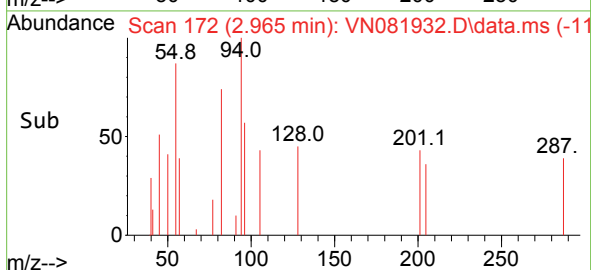
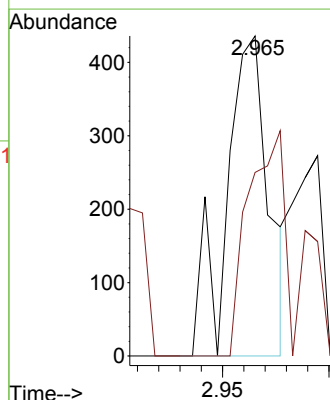
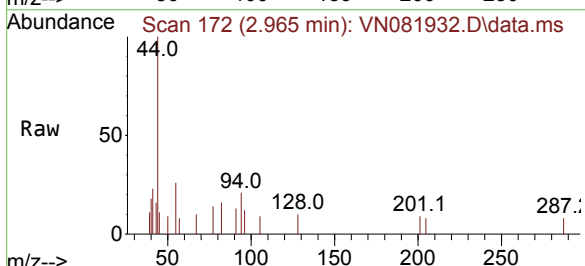
Acq: 30 Apr 2024 15:41

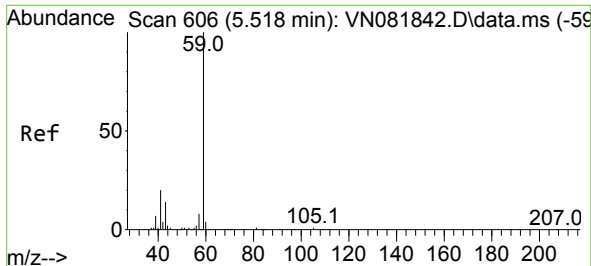
Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 57.3 74.8 112.2#





#11

Tert butyl alcohol

Concen: 0.723 ug/l

RT: 5.506 min Scan# 606

Delta R.T. -0.012 min

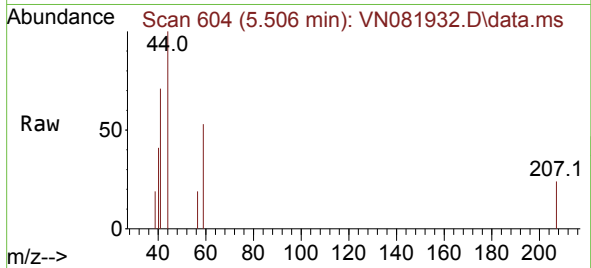
Lab File: VN081932.D

Acq: 30 Apr 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

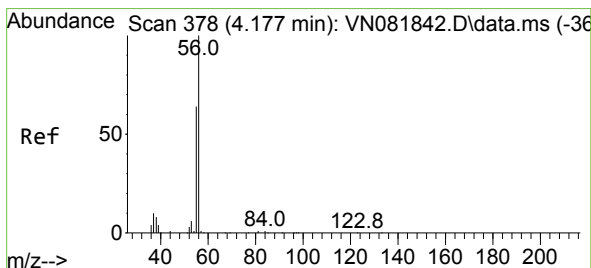
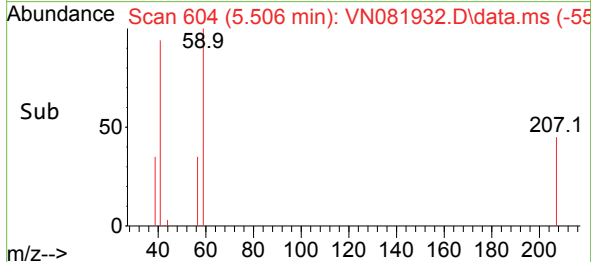
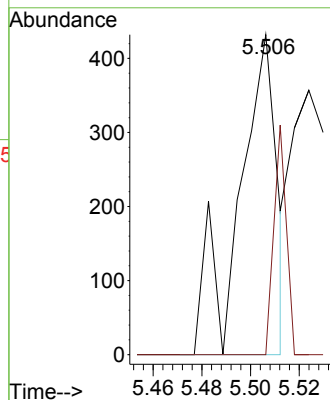


Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

59 100

57 23.0 8.9 13.3#



#13

Acrolein

Concen: Below Cal

RT: 4.171 min Scan# 377

Delta R.T. -0.006 min

Lab File: VN081932.D

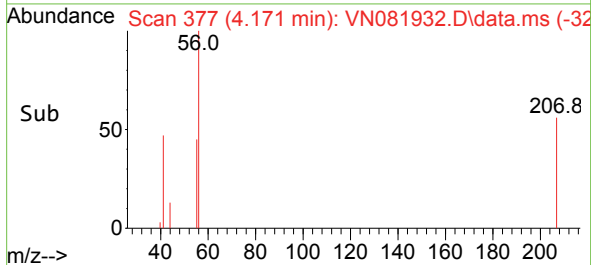
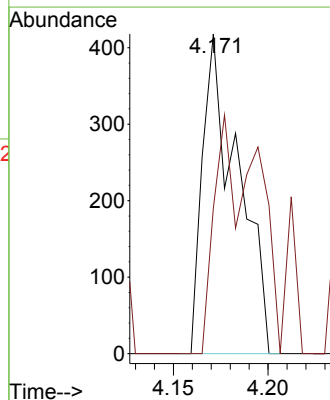
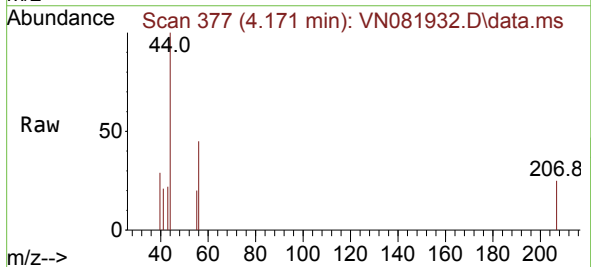
Acq: 30 Apr 2024 15:41

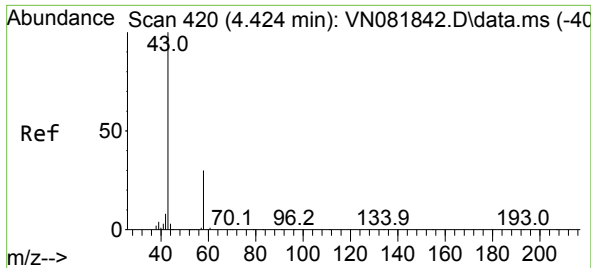
Tgt Ion: 56 Resp: 538

Ion Ratio Lower Upper

56 100

55 43.7 55.8 83.8#

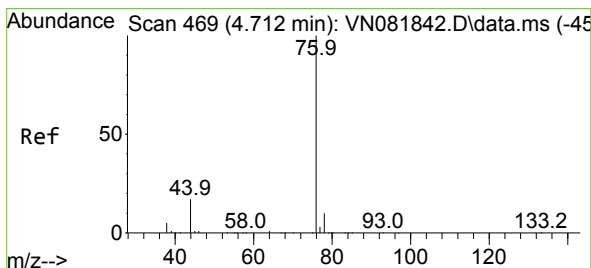
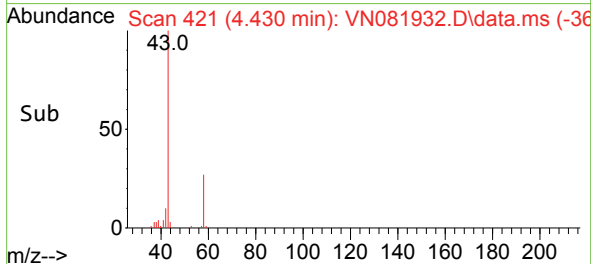
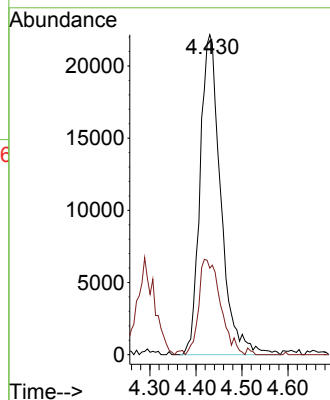
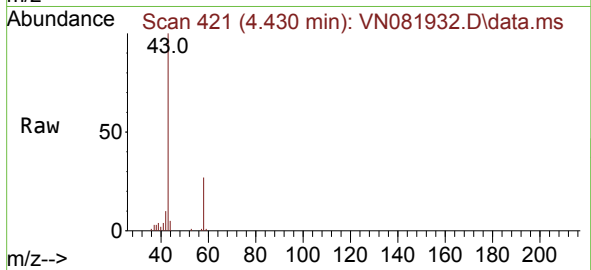




#16
Acetone
Concen: 60.871 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

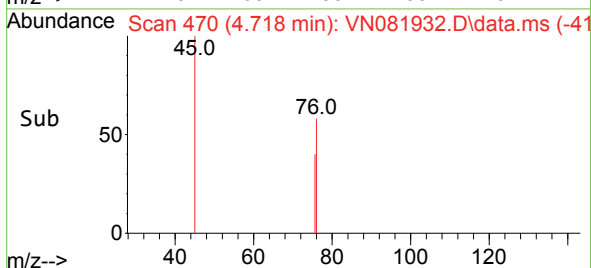
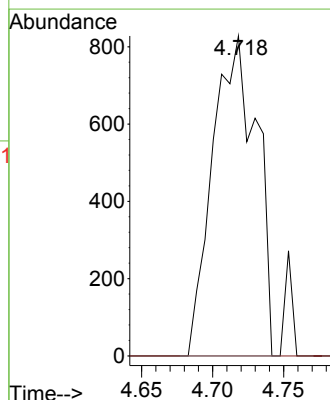
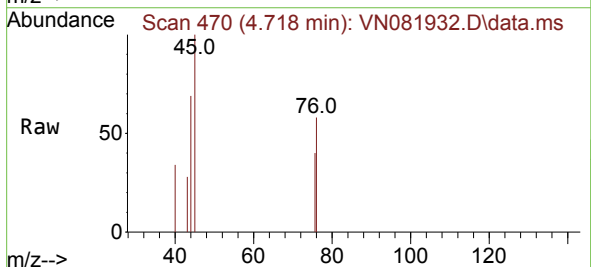
Instrument :
MSVOA_N
ClientSampleId :

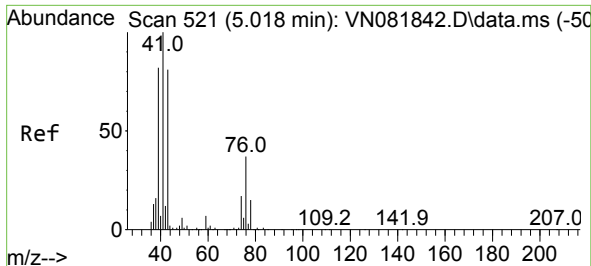
Tgt Ion: 43 Resp: 69330
Ion Ratio Lower Upper
43 100
58 27.0 25.2 37.8



#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

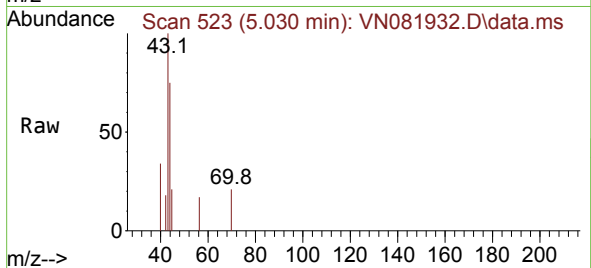
Tgt Ion: 76 Resp: 1777
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



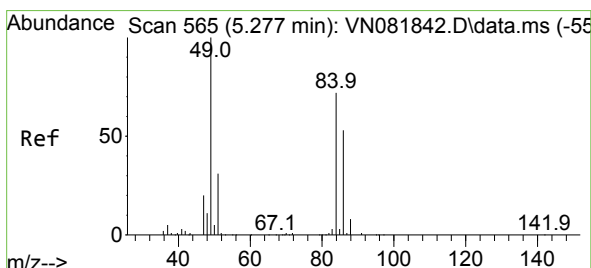
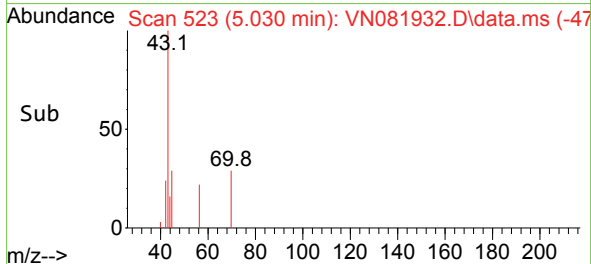
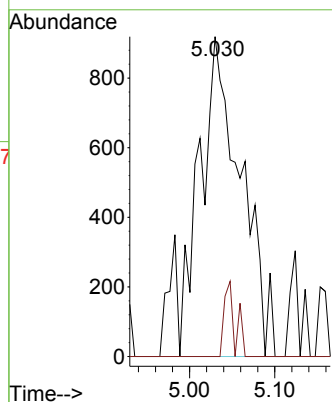


#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

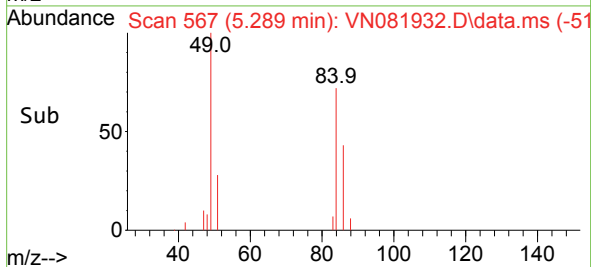
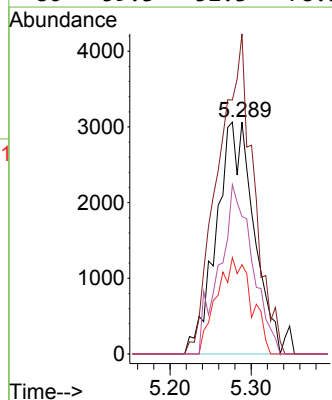
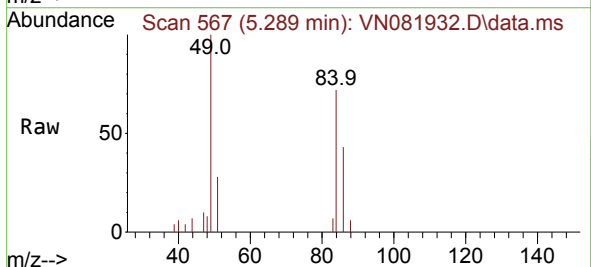


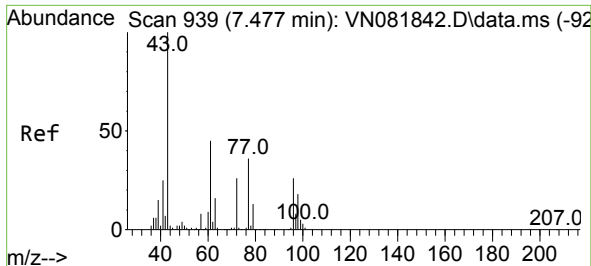
Tgt Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 6.2 22.2 33.2#



#20
Methylene Chloride
Concen: 3.177 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

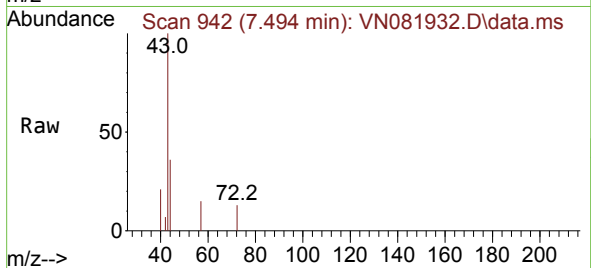
Tgt Ion: 84 Resp: 9820
Ion Ratio Lower Upper
84 100
49 138.0 84.9 127.3#
51 38.5 27.0 40.6
86 59.3 52.3 78.5



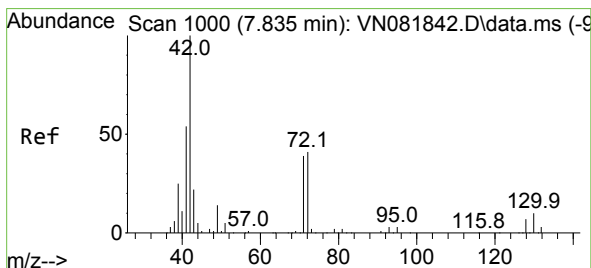
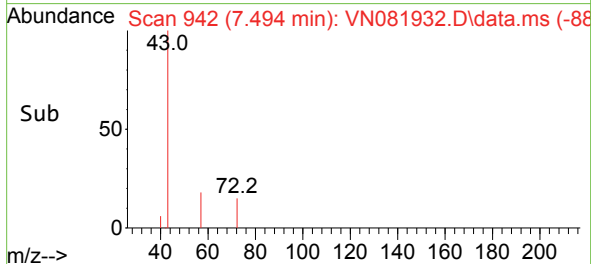
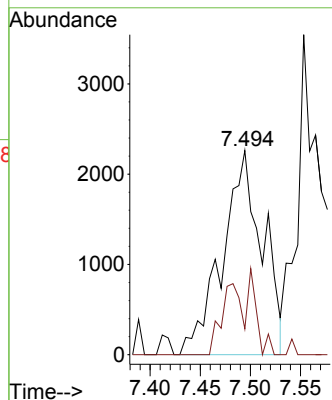


#25
2-Butanone
Concen: 3.071 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

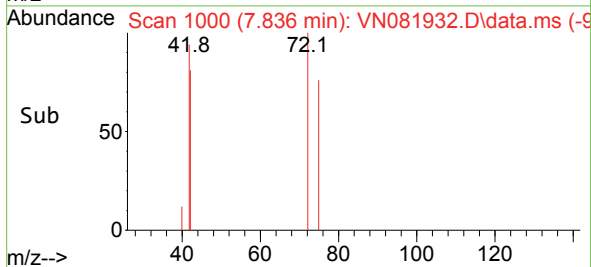
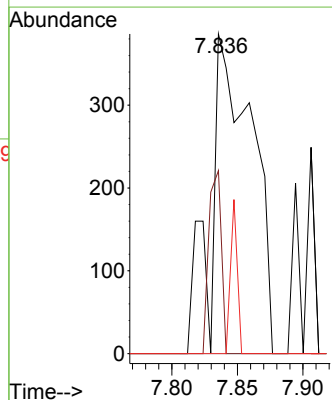
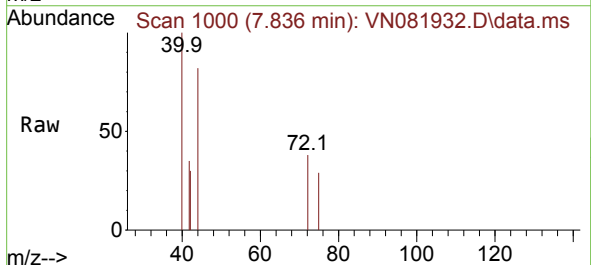


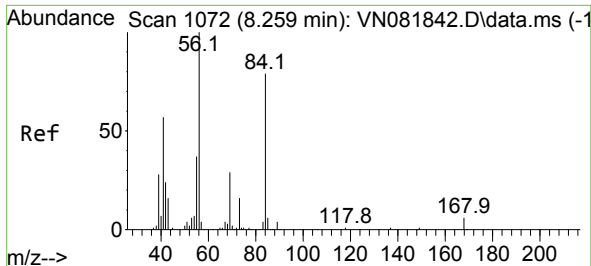
Tgt Ion: 43 Resp: 6287
Ion Ratio Lower Upper
43 100
72 12.6 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.576 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

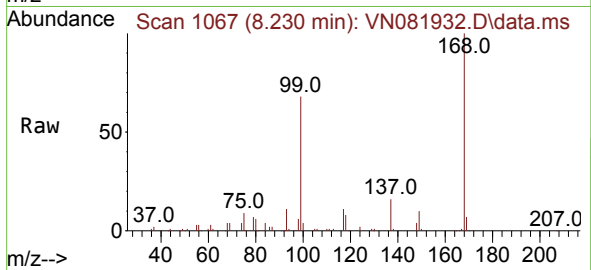
Tgt Ion: 42 Resp: 845
Ion Ratio Lower Upper
42 100
72 17.4 39.3 58.9#
71 7.8 37.4 56.0#



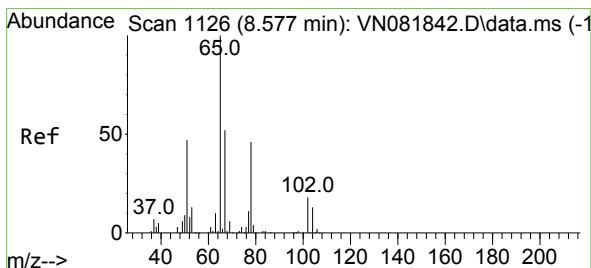
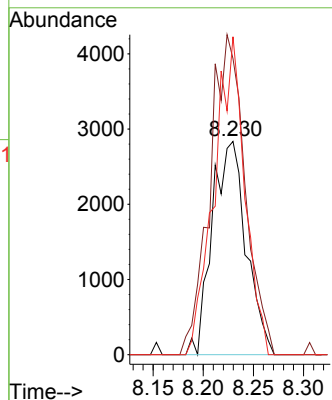
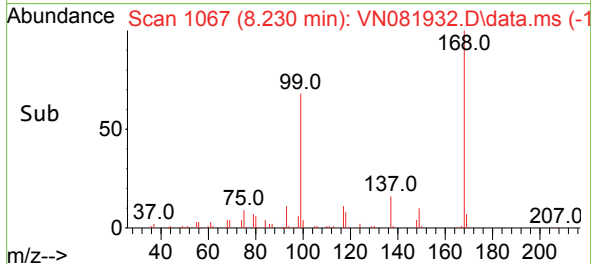


#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

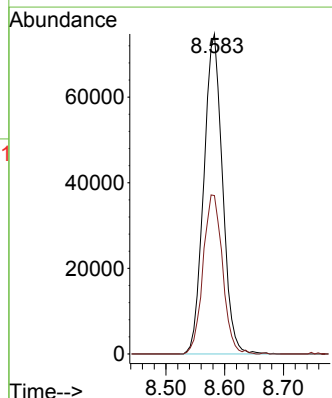
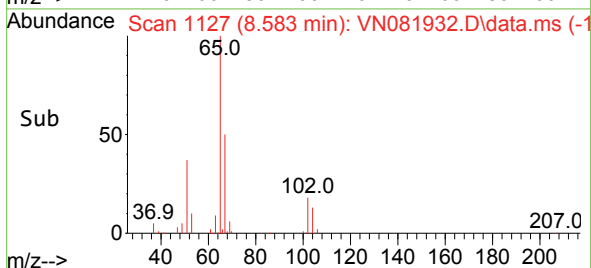
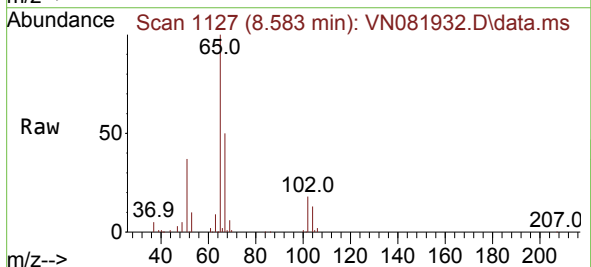


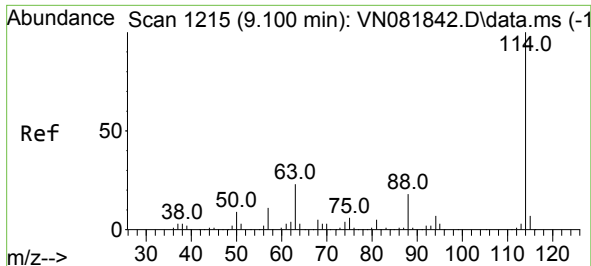
Tgt Ion: 56 Resp: 6696
Ion Ratio Lower Upper
56 100
69 138.8 24.4 36.6#
84 149.1 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 45.787 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Tgt Ion: 65 Resp: 165134
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0

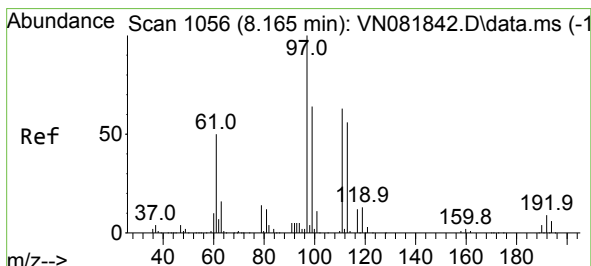
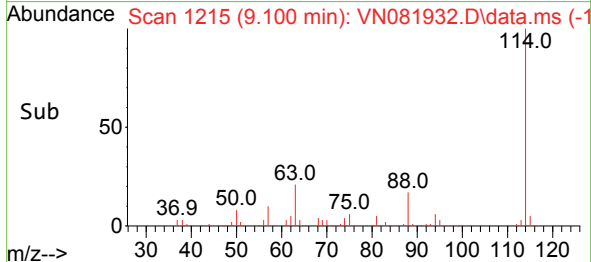
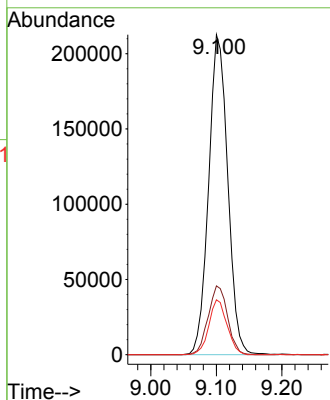
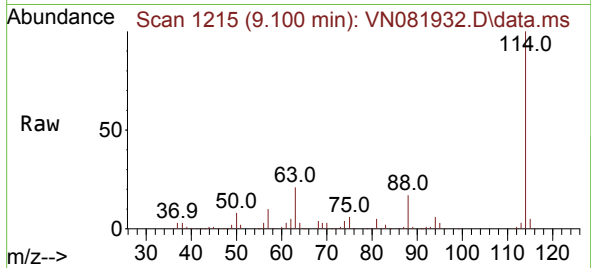




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

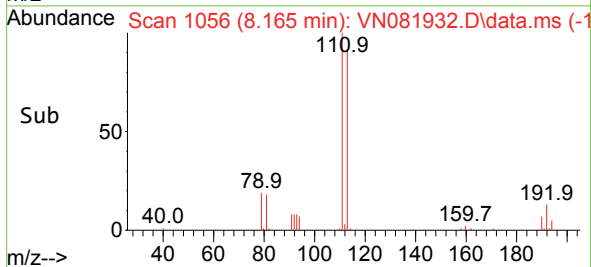
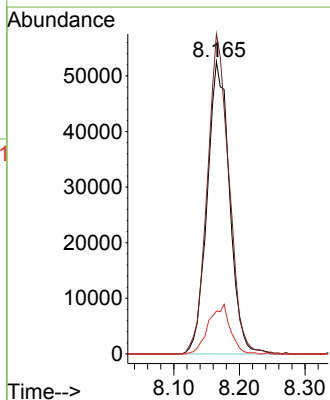
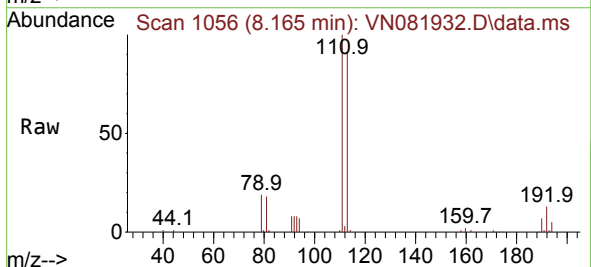
Instrument :
MSVOA_N
ClientSampleId :

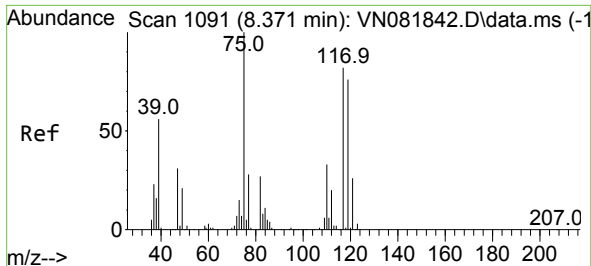
Tgt Ion:114 Resp: 429876
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.0
88 17.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.072 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

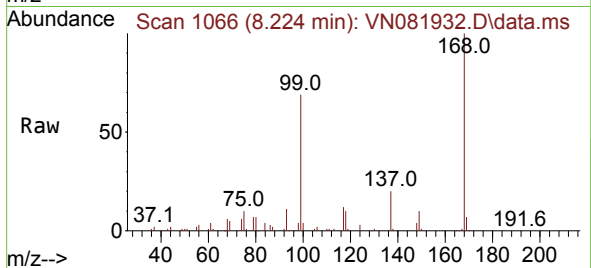
Tgt Ion:113 Resp: 124420
Ion Ratio Lower Upper
113 100
111 106.4 83.4 125.2
192 16.4 14.0 21.0



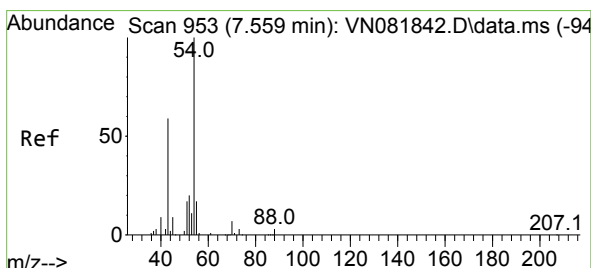
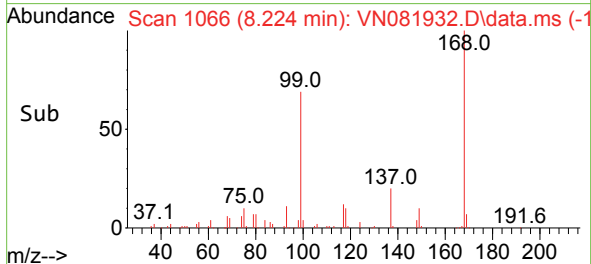
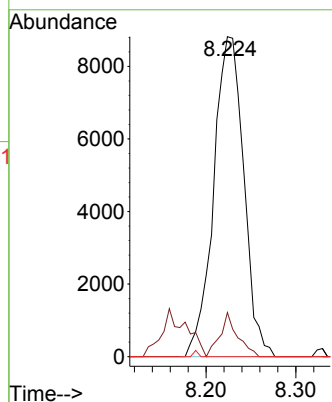


#36
1,1-Dichloropropene
Concen: 4.885 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

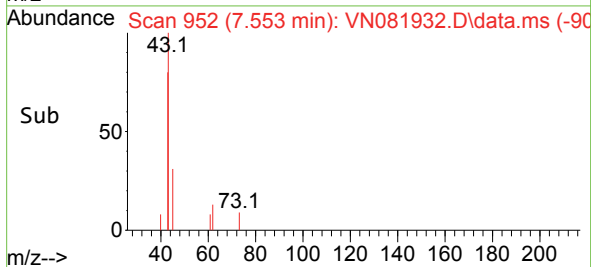
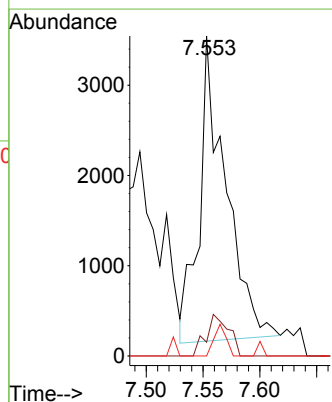
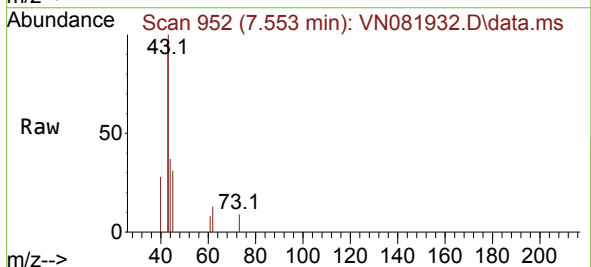


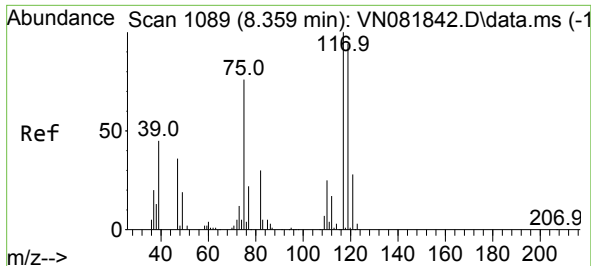
Tgt Ion: 75 Resp: 20569
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.203 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

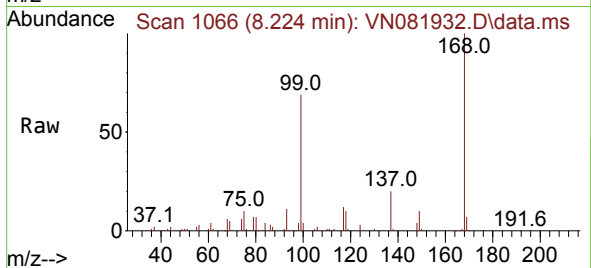
Tgt Ion: 43 Resp: 5476
Ion Ratio Lower Upper
43 100
61 11.6 11.3 16.9
70 4.6 8.7 13.1#



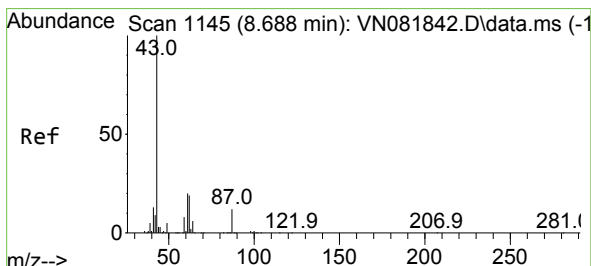
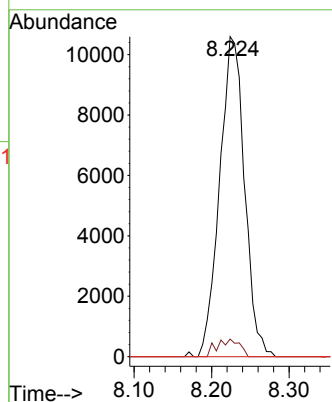
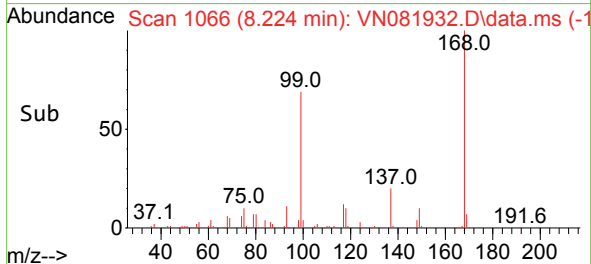


#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

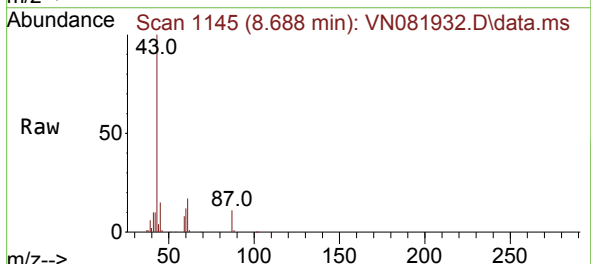
Instrument :
MSVOA_N
ClientSampleId :



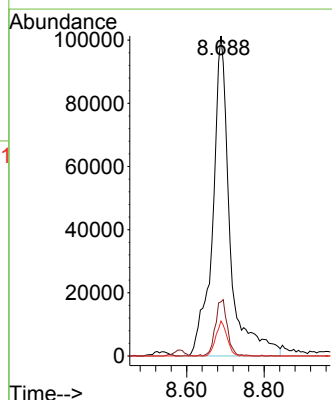
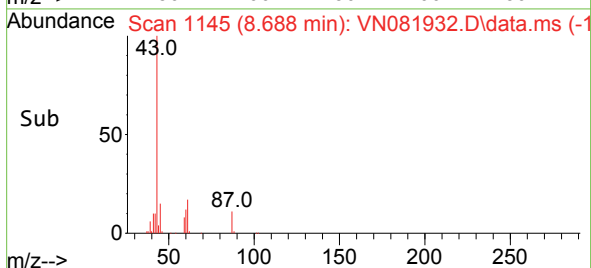
Tgt Ion: 117 Resp: 23693
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 23.9 35.9#

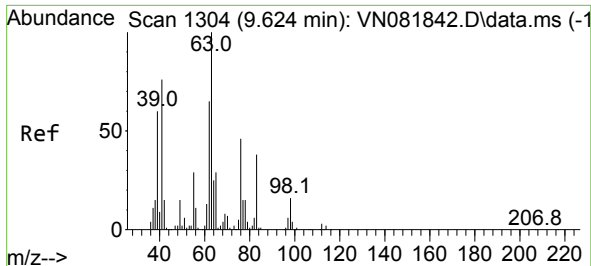


#43
Isopropyl Acetate
Concen: 36.546 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41



Tgt Ion: 43 Resp: 312842
Ion Ratio Lower Upper
43 100
61 12.3 22.8 34.2#
87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.512 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN081932.D

Acq: 30 Apr 2024 15:41

Instrument :

MSVOA_N

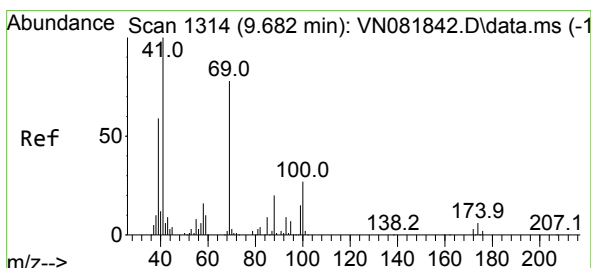
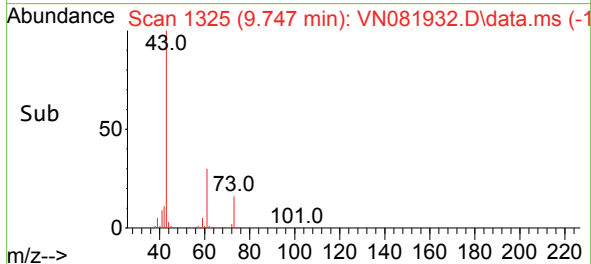
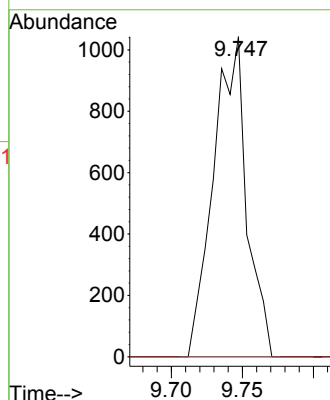
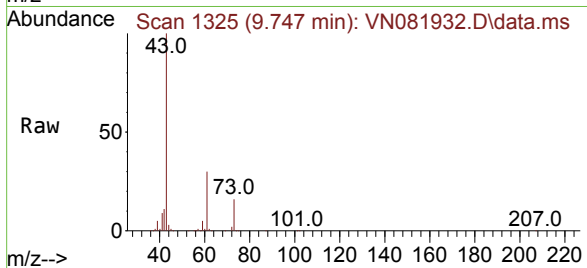
ClientSampleId :

Tgt Ion: 63 Resp: 1695

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.362 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN081932.D

Acq: 30 Apr 2024 15:41

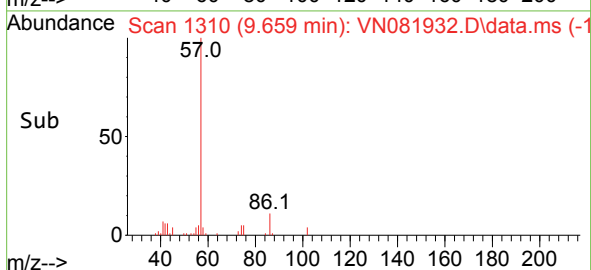
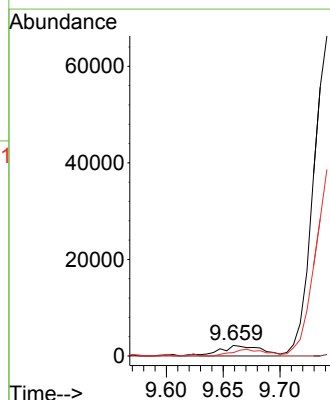
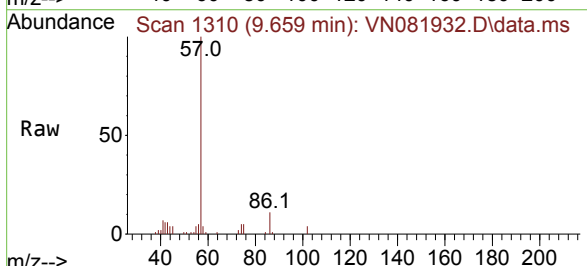
Tgt Ion: 41 Resp: 5567

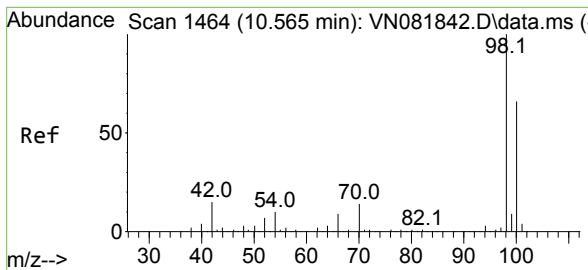
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 50.4 50.9 76.3#

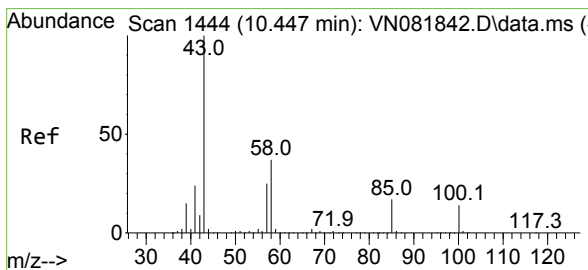
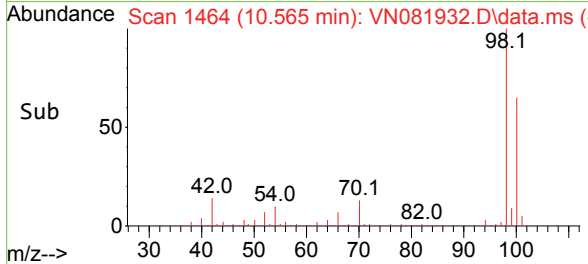
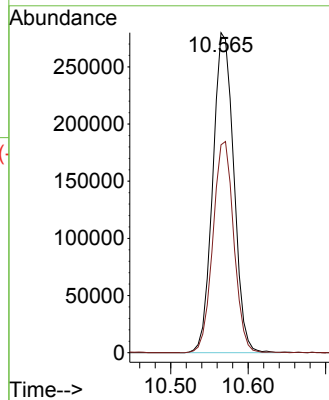
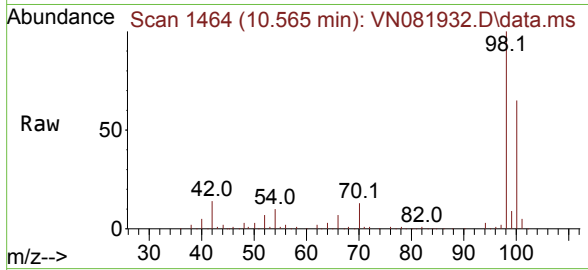




#50
Toluene-d8
Concen: 51.771 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

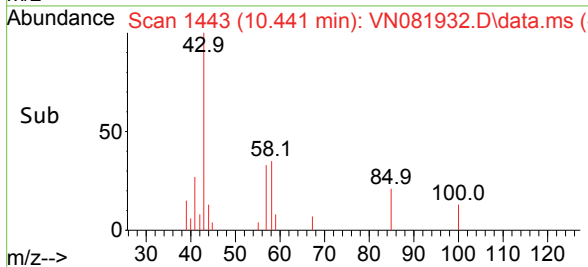
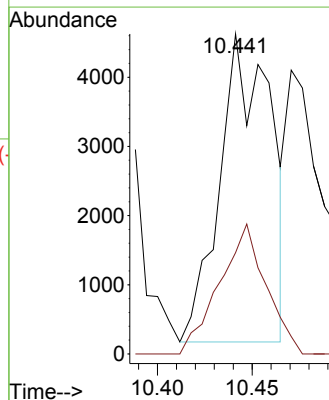
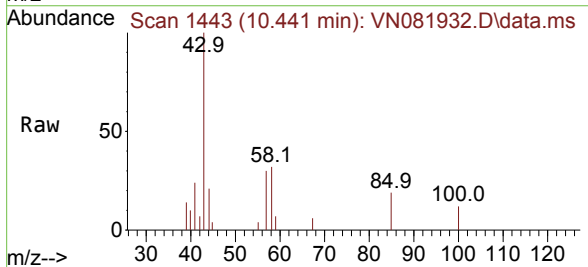
Instrument :
MSVOA_N
ClientSampleId :

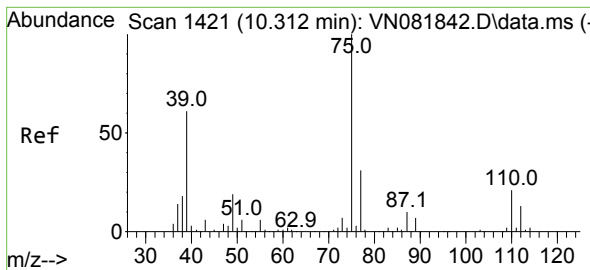
Tgt Ion: 98 Resp: 526254
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

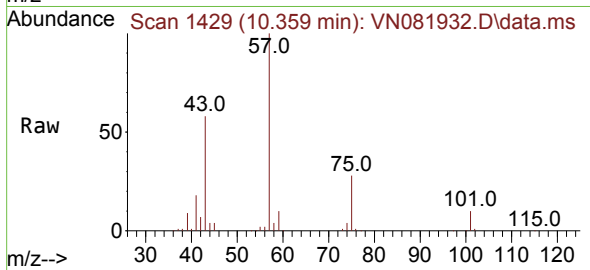
Tgt Ion: 43 Resp: 8363
Ion Ratio Lower Upper
43 100
58 38.2 33.2 49.8



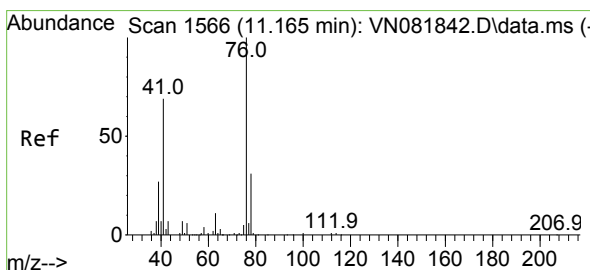
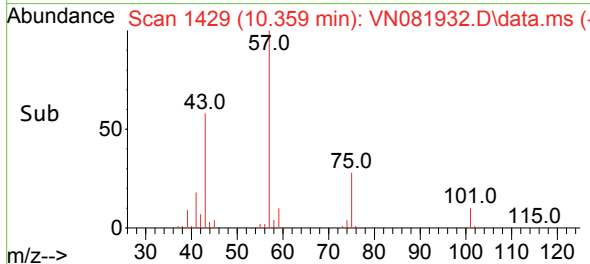
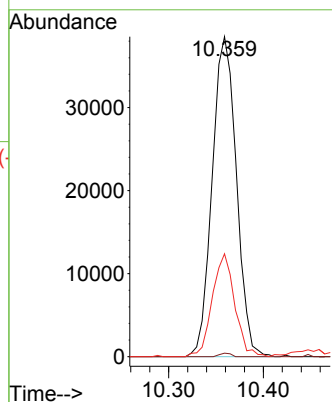


#54
 cis-1,3-Dichloropropene
 Concen: 12.646 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081932.D
 Acq: 30 Apr 2024 15:41

Instrument :
 MSVOA_N
 ClientSampleId :

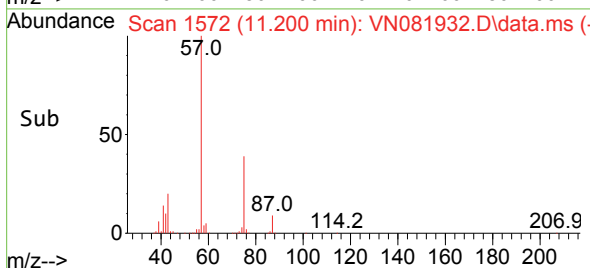
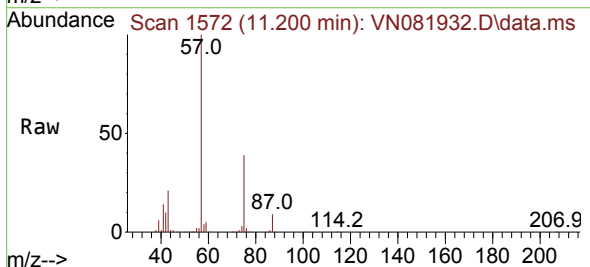
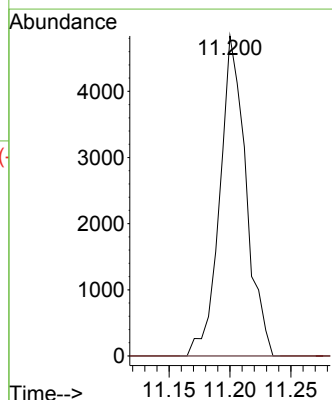


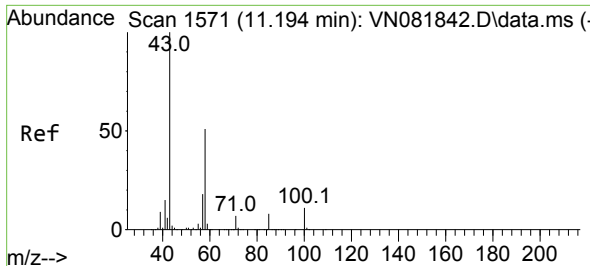
Tgt Ion: 75 Resp: 68386
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.0 37.4#
 39 32.1 34.8 52.2#



#57
 1,3-Dichloropropane
 Concen: 1.368 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081932.D
 Acq: 30 Apr 2024 15:41

Tgt Ion: 76 Resp: 7242
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

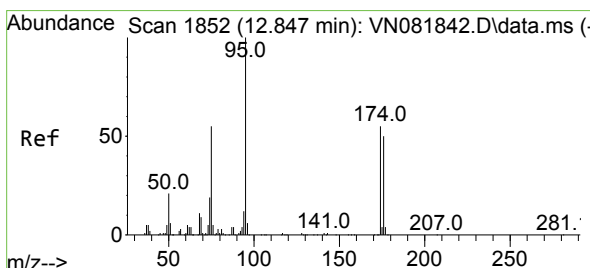
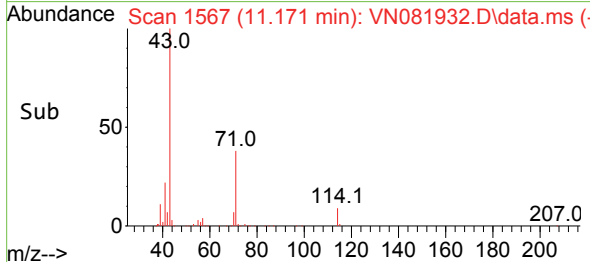
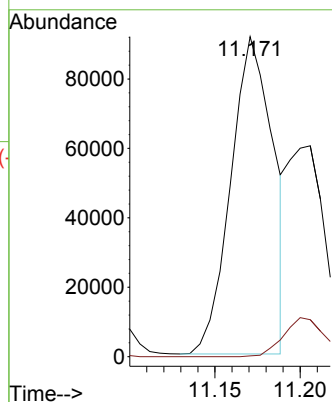
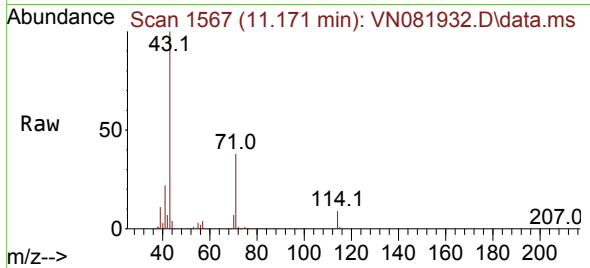




#59
2-Hexanone
Concen: 44.104 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

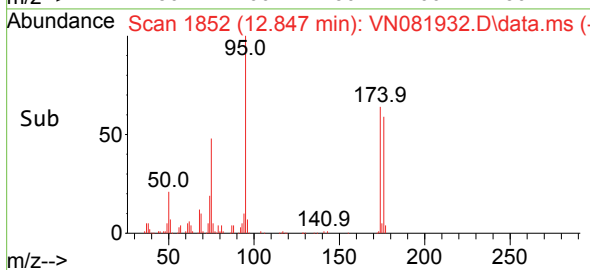
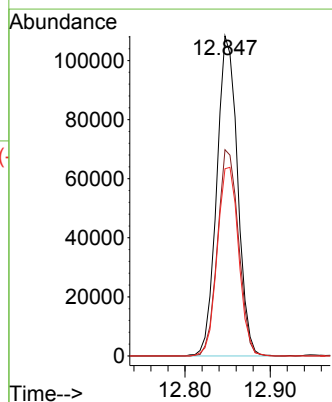
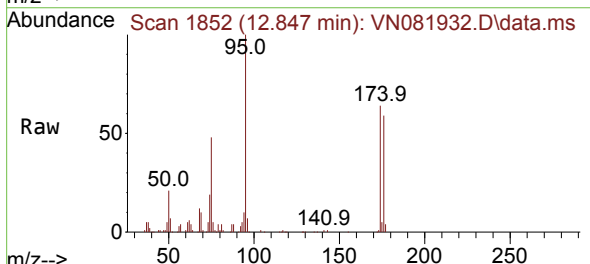
Instrument :
MSVOA_N
ClientSampleId :

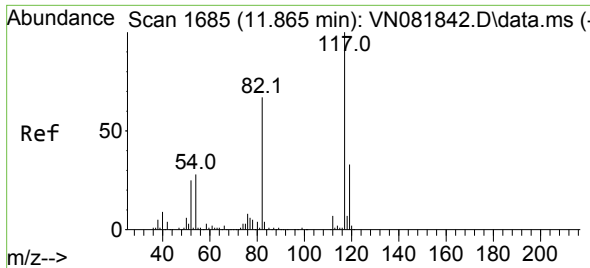
Tgt Ion: 43 Resp: 158170
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

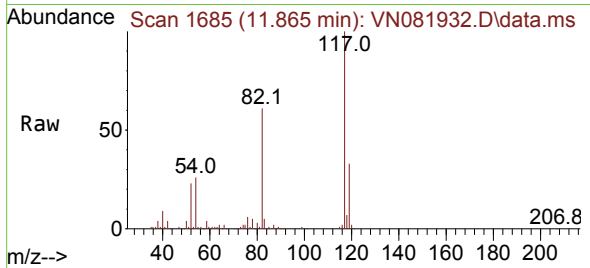
Tgt Ion: 95 Resp: 183591
Ion Ratio Lower Upper
95 100
174 65.3 0.0 160.6
176 60.7 0.0 152.8



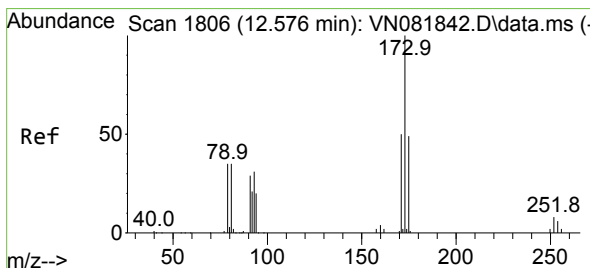
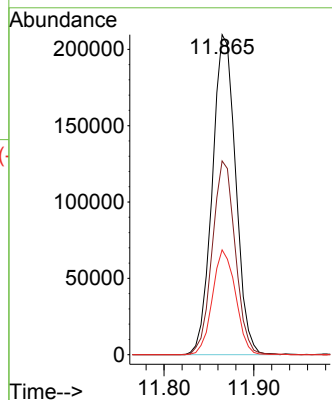
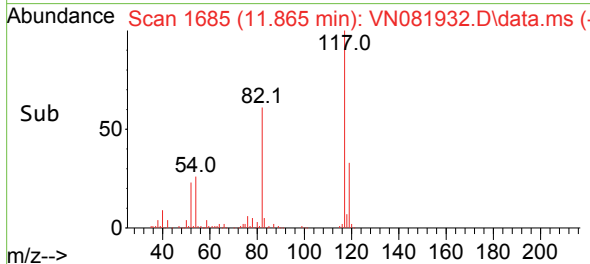


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :

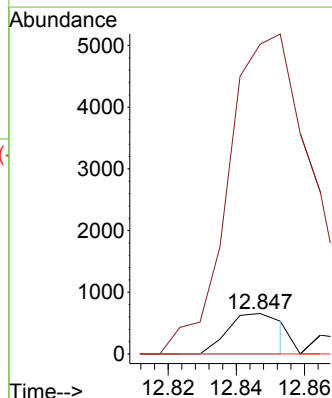
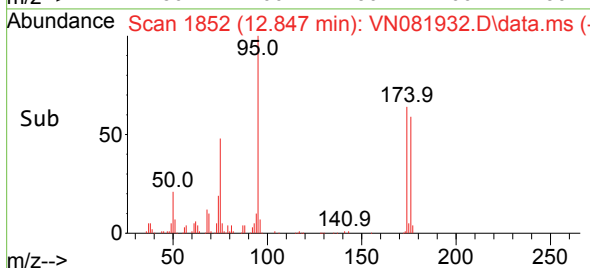
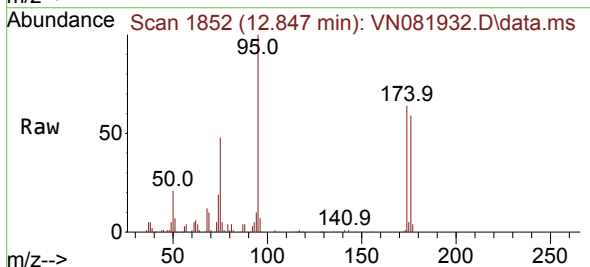


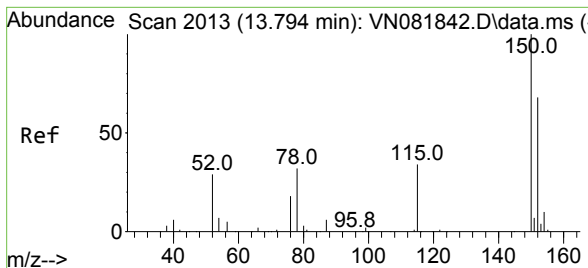
Tgt Ion:117 Resp: 379124
Ion Ratio Lower Upper
117 100
82 60.5 44.6 66.8
119 32.8 25.9 38.9



#71
Bromoform
Concen: 0.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Tgt Ion:173 Resp: 724
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
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: VN081932.D

Acq: 30 Apr 2024 15:41

Instrument :

MSVOA_N

ClientSampleId :

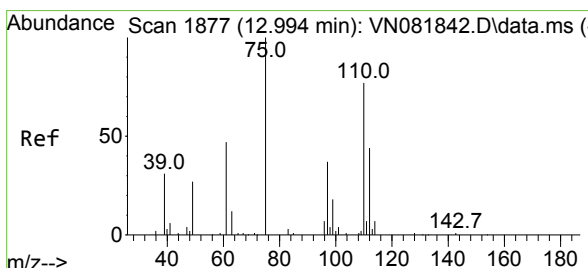
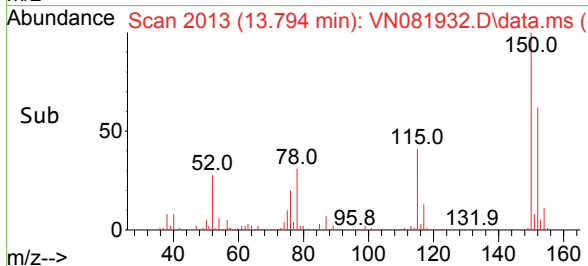
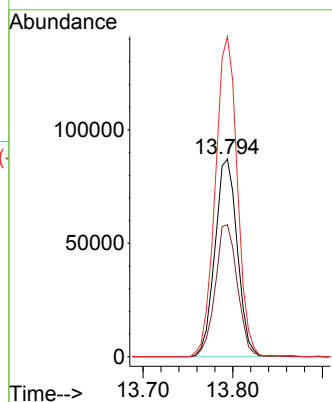
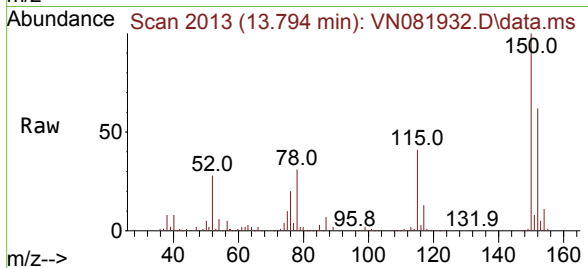
Tgt Ion:152 Resp: 150444

Ion Ratio Lower Upper

152 100

115 66.3 30.4 91.3

150 159.7 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 24.577 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081932.D

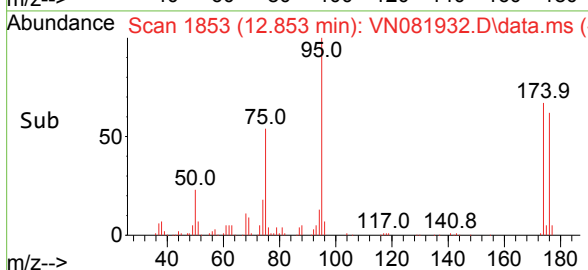
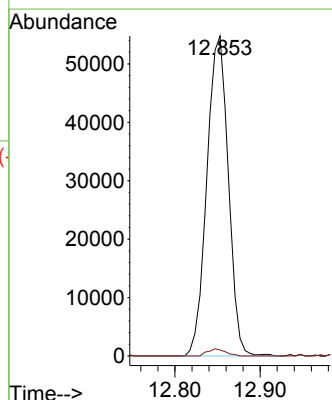
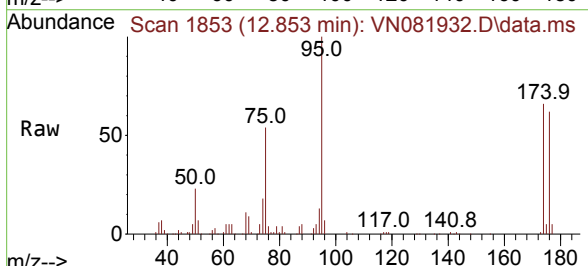
Acq: 30 Apr 2024 15:41

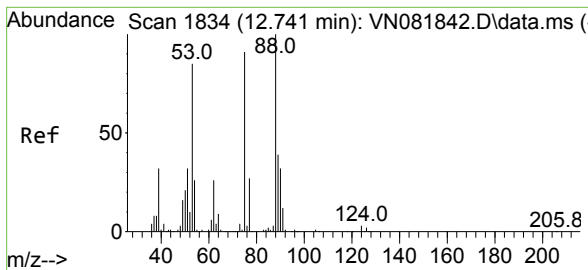
Tgt Ion: 75 Resp: 95868

Ion Ratio Lower Upper

75 100

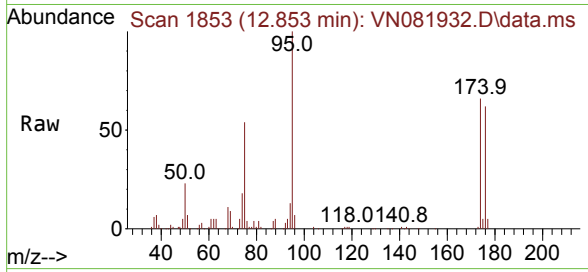
77 1.9 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 50.362 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081932.D
Acq: 30 Apr 2024 15:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.9	109.3#
89	0.0	39.1	58.7#

