

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081142.D
 Acq On : 22 Feb 2024 17:59
 Operator : JC\MD
 Sample : P1539-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:29:41 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

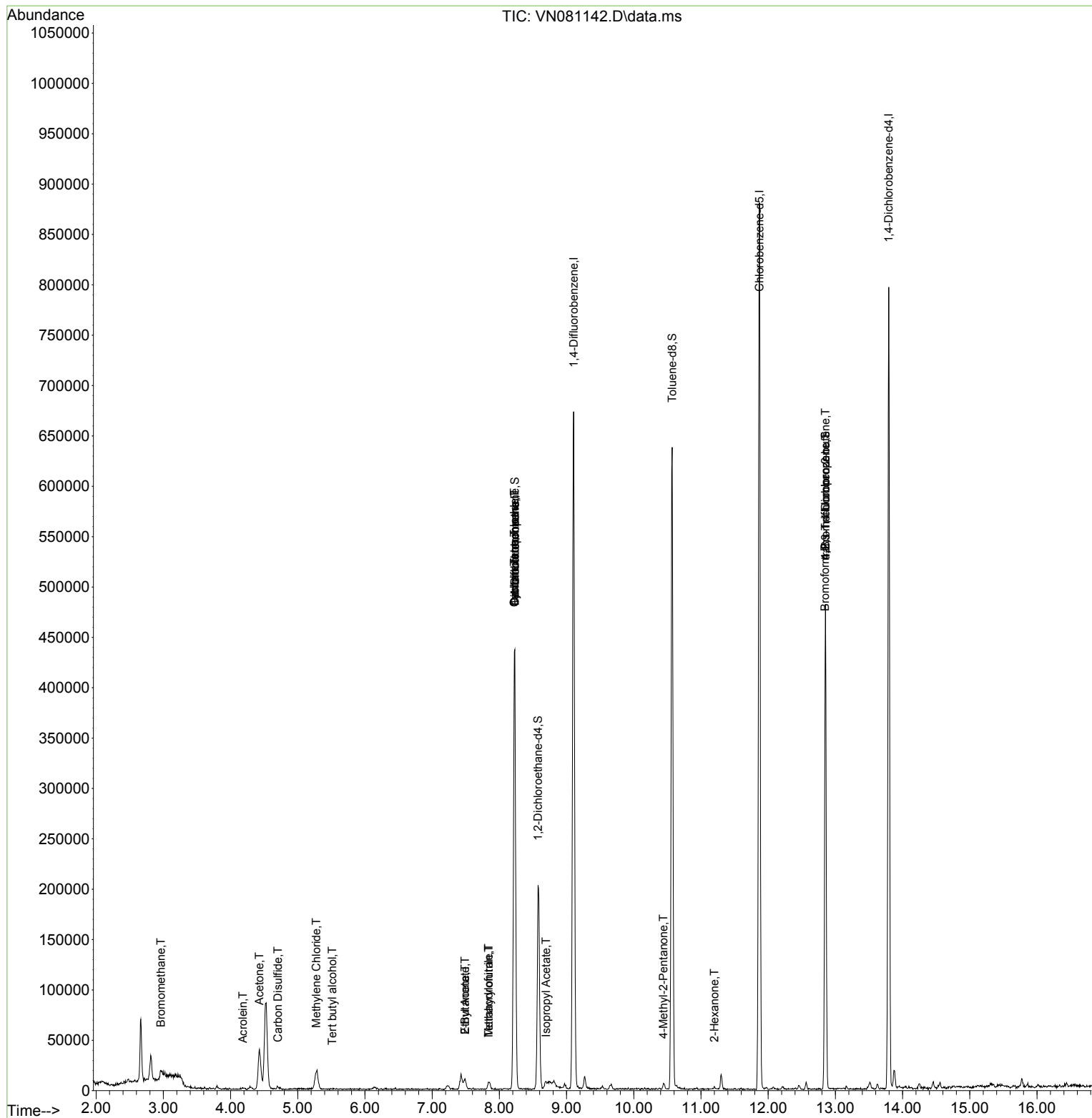
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	310315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	583008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	506763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	166567	43.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.580%
35) Dibromofluoromethane	8.229	113	789	0.239	ug/l	0.06
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.480%#
50) Toluene-d8	10.570	98	439666	37.549	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	75.100%#
62) 4-Bromofluorobenzene	12.853	95	162327	36.895	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	73.780%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1071	Below Cal	#	43
5) Bromomethane	2.965	94	1169	0.369	ug/l	86
6) Chloroethane	3.112	64	329	Below Cal	#	42
11) Tert butyl alcohol	5.512	59	380	0.543	ug/l	# 72
13) Acrolein	4.183	56	1097	2.926	ug/l	85
16) Acetone	4.430	43	72848	48.675	ug/l	93
17) Carbon Disulfide	4.706	76	5085	0.520	ug/l	# 78
20) Methylene Chloride	5.277	84	14854	2.962	ug/l	# 73
25) 2-Butanone	7.488	43	16620	6.874	ug/l	# 86
29) Tetrahydrofuran	7.841	42	3281	2.033	ug/l	# 65
31) Cyclohexane	8.224	56	7820	1.191	ug/l	# 1
36) 1,1-Dichloropropene	8.229	75	27372	4.846	ug/l	# 51
37) Ethyl Acetate	7.488	43	16620	3.260	ug/l	# 71
38) Carbon Tetrachloride	8.224	117	34586	6.053	ug/l	# 20
41) Methacrylonitrile	7.841	41	3353	1.156	ug/l	# 41
43) Isopropyl Acetate	8.694	43	8092	0.908	ug/l	# 57
51) 4-Methyl-2-Pentanone	10.441	43	5027	0.980	ug/l	97
59) 2-Hexanone	11.200	43	1981	0.487	ug/l	74
71) Bromoform	12.847	173	1345	0.538	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75	86346	18.864	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	86346	48.554	ug/l	# 14

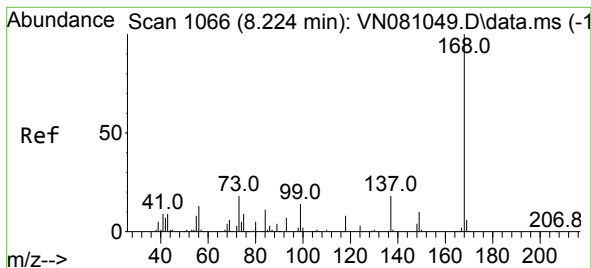
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN081142.D

Acq: 22 Feb 2024 17:59

Instrument :

MSVOA_N

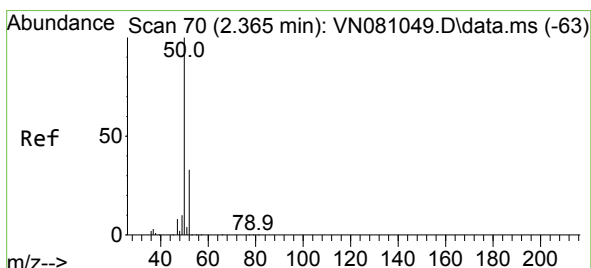
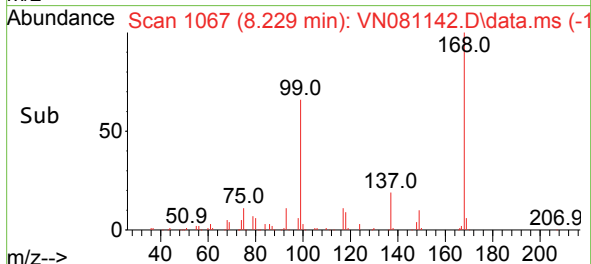
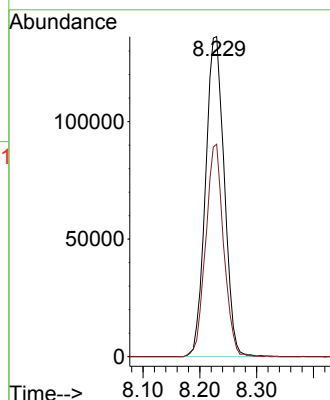
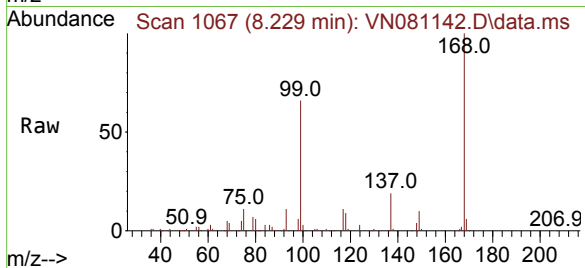
ClientSampleId :

Tgt Ion:168 Resp: 310315

Ion Ratio Lower Upper

168 100

99 66.4 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081142.D

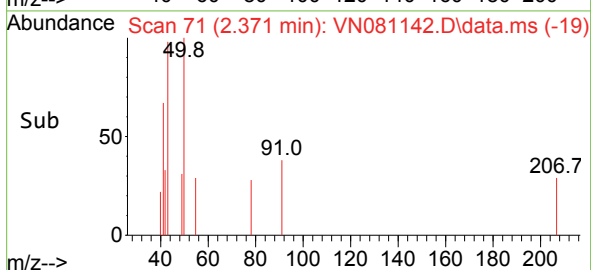
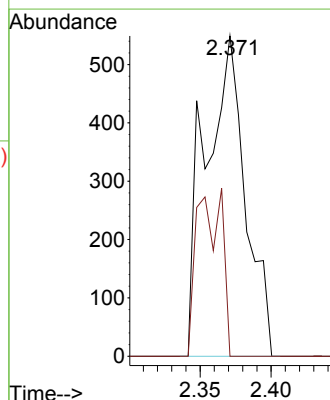
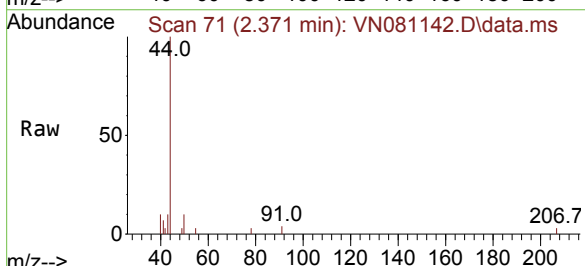
Acq: 22 Feb 2024 17:59

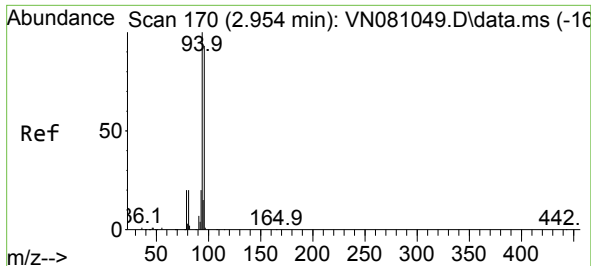
Tgt Ion: 50 Resp: 1071

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

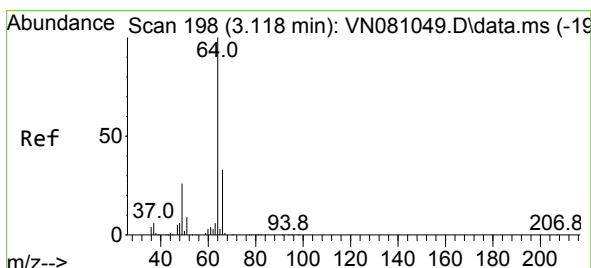
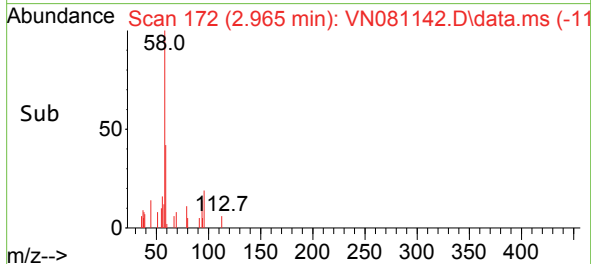
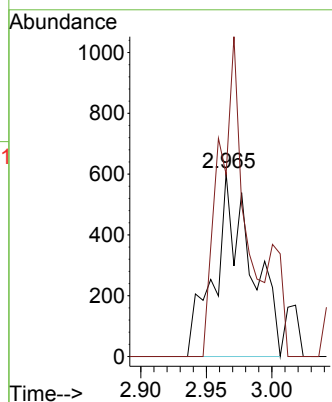
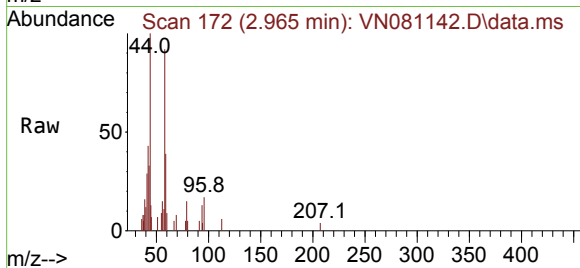




#5
Bromomethane
Concen: 0.369 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

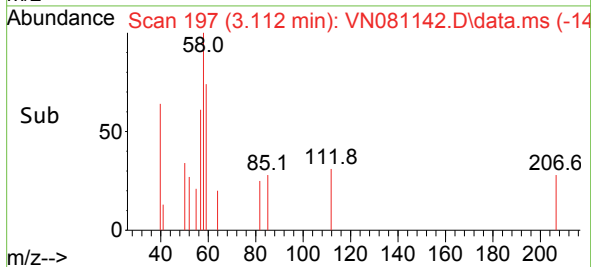
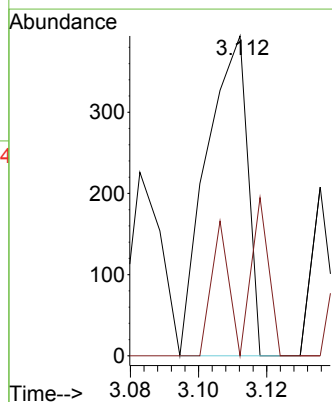
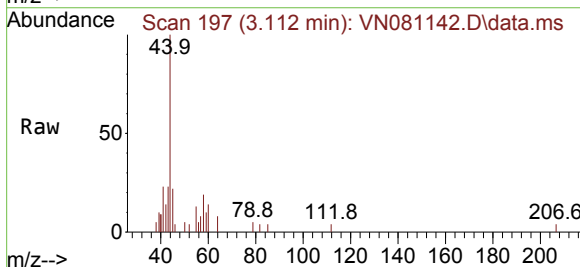
Instrument :
MSVOA_N
ClientSampleId :

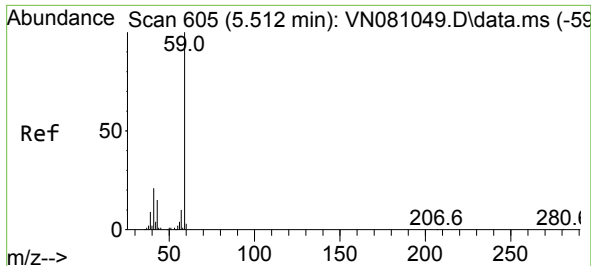
Tgt Ion: 94 Resp: 1169
Ion Ratio Lower Upper
94 100
96 99.3 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

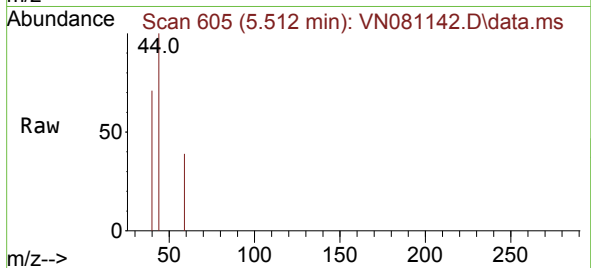
Tgt Ion: 64 Resp: 329
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



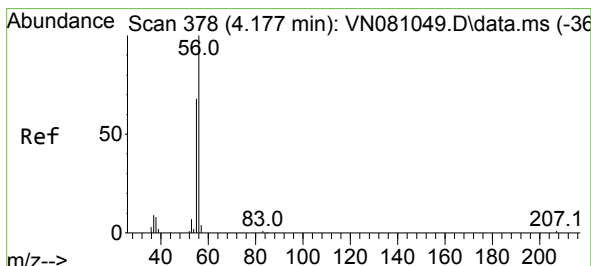
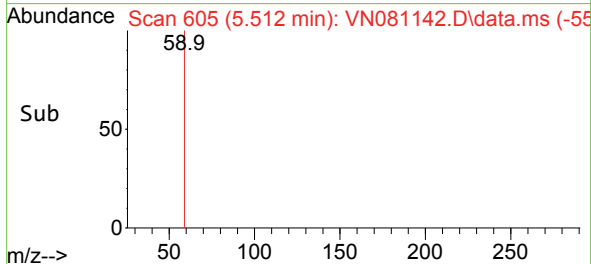
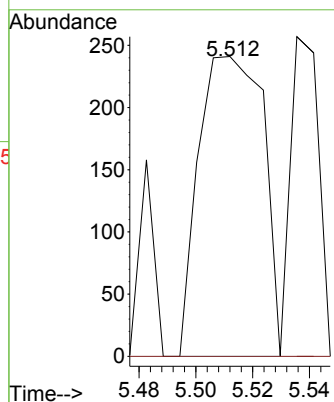


#11
Tert butyl alcohol
Concen: 0.543 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

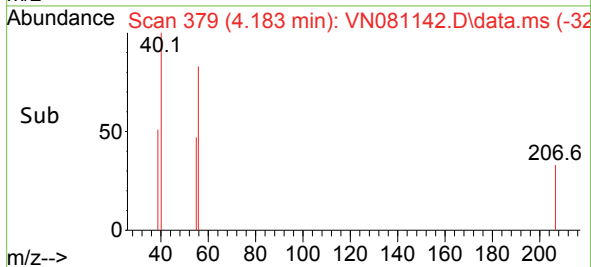
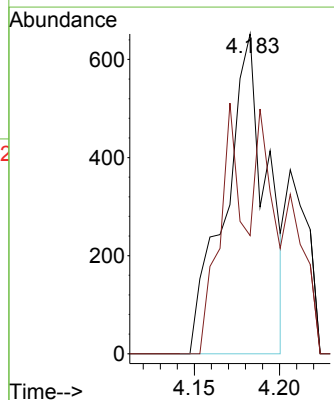
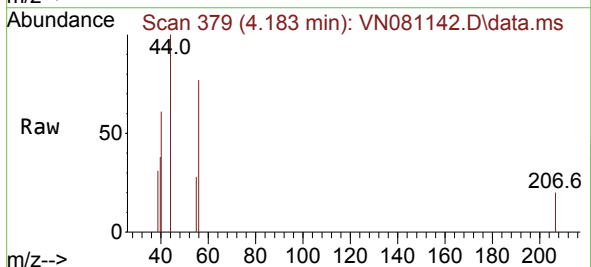


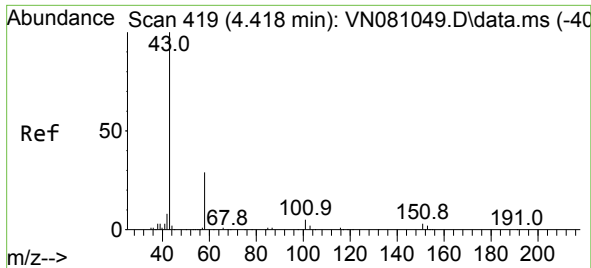
Tgt Ion: 59 Resp: 380
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 2.926 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Tgt Ion: 56 Resp: 1097
Ion Ratio Lower Upper
56 100
55 57.1 55.3 82.9





#16

Acetone

Concen: 48.675 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081142.D

Acq: 22 Feb 2024 17:59

Instrument :

MSVOA_N

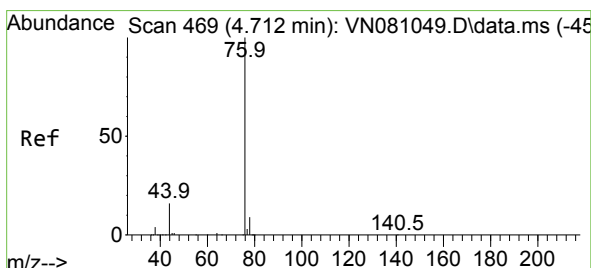
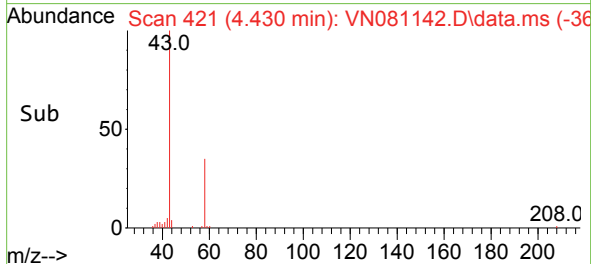
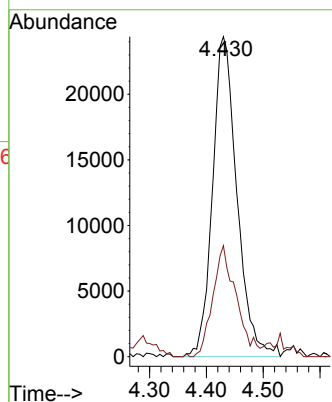
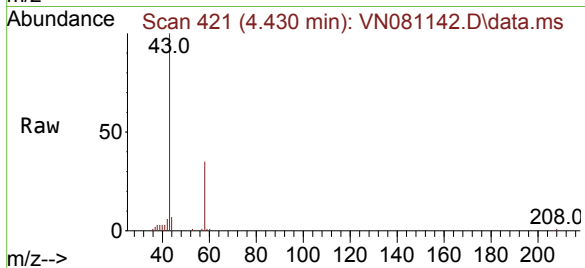
ClientSampleId :

Tgt Ion: 43 Resp: 72848

Ion Ratio Lower Upper

43 100

58 34.7 24.8 37.2



#17

Carbon Disulfide

Concen: 0.520 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN081142.D

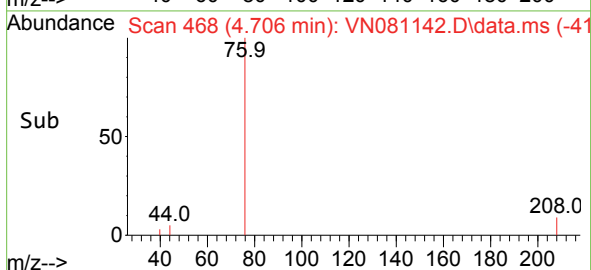
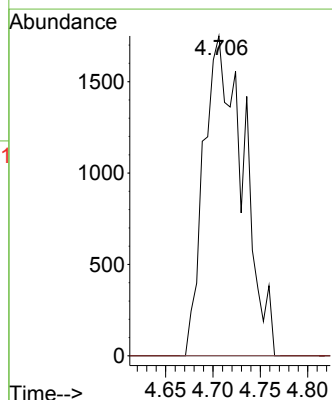
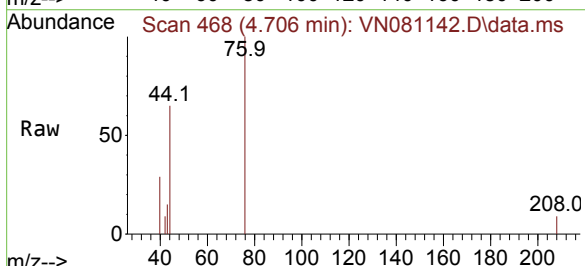
Acq: 22 Feb 2024 17:59

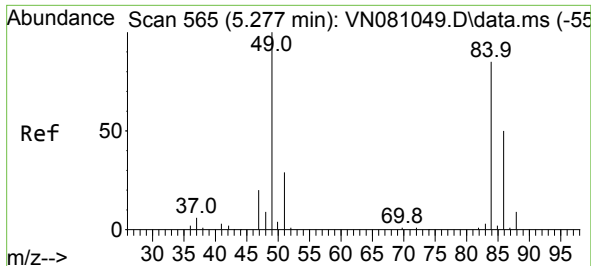
Tgt Ion: 76 Resp: 5085

Ion Ratio Lower Upper

76 100

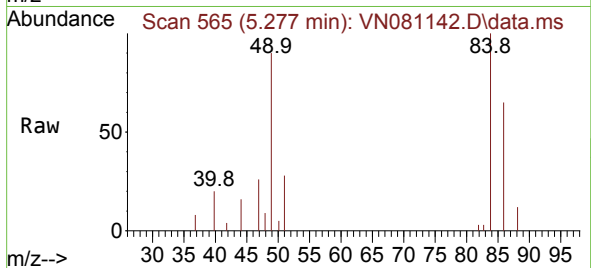
78 0.0 6.3 9.5#



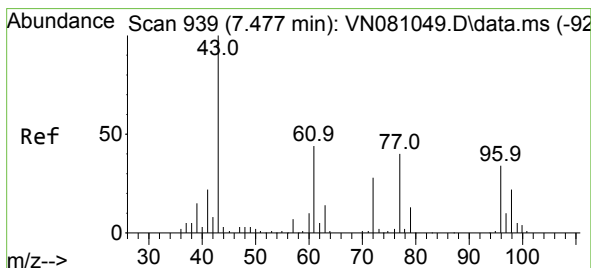
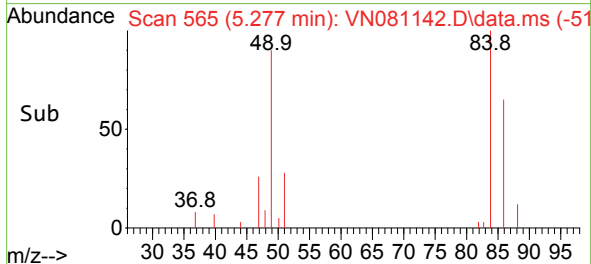
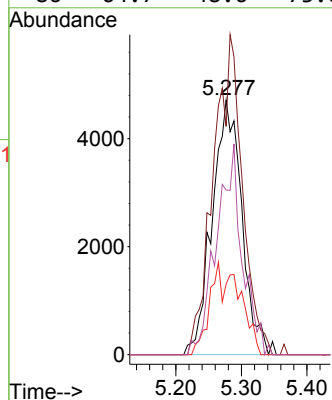


#20
Methylene Chloride
Concen: 2.962 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

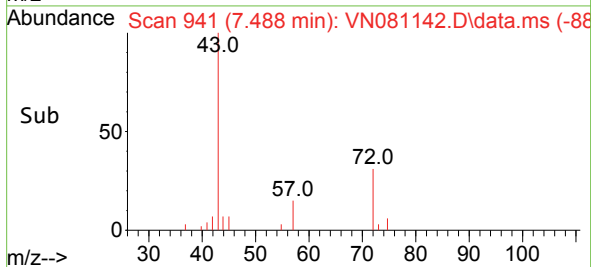
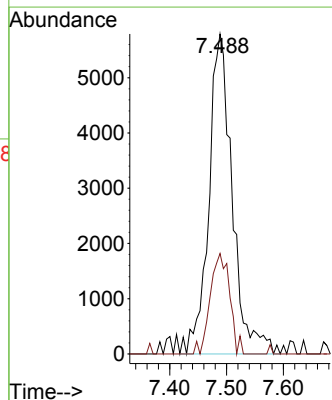
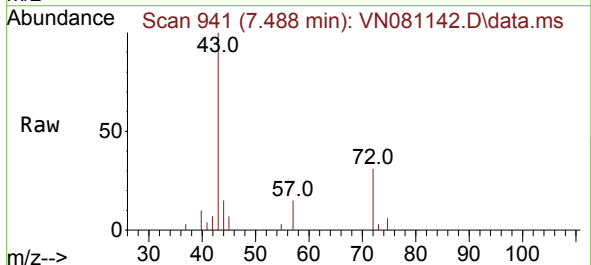


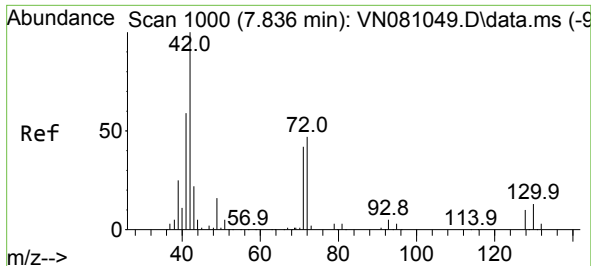
Tgt Ion:	84	Resp:	14854
Ion	Ratio	Lower	Upper
84	100		
49	89.7	108.1	162.1#
51	27.8	32.9	49.3#
86	64.7	48.6	73.0



#25
2-Butanone
Concen: 6.874 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

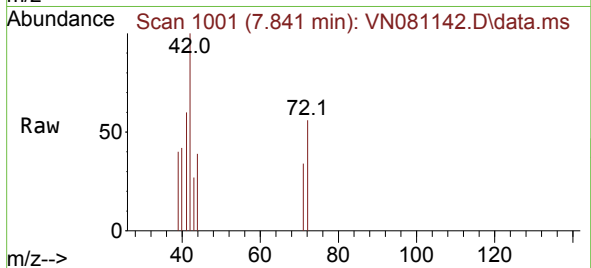
Tgt Ion:	43	Resp:	16620
Ion	Ratio	Lower	Upper
43	100		
72	31.4	19.5	29.3#



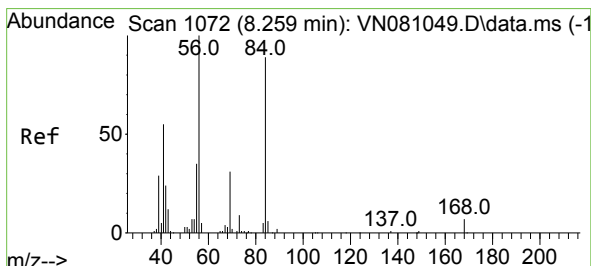
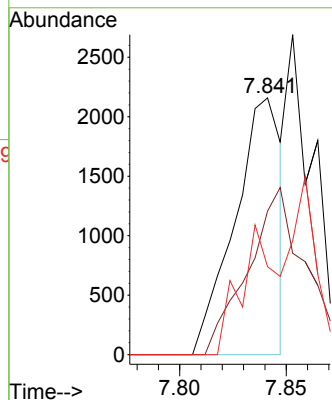
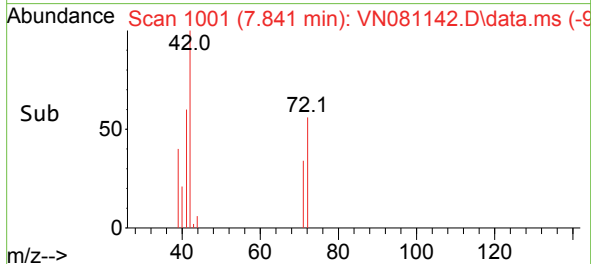


#29
Tetrahydrofuran
Concen: 2.033 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081142.D
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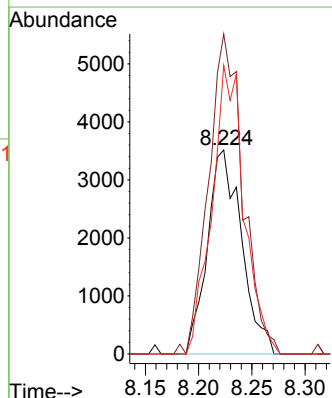
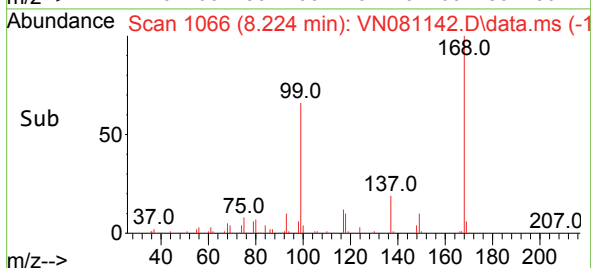
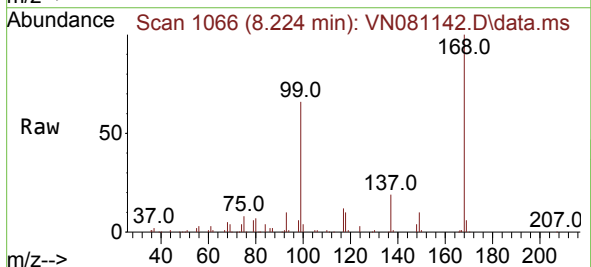


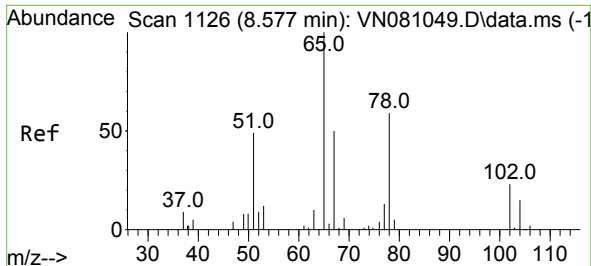
Tgt Ion: 42 Resp: 3281
Ion Ratio Lower Upper
42 100
72 77.9 31.1 46.7#
71 37.8 28.3 42.5



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Tgt Ion: 56 Resp: 7820
Ion Ratio Lower Upper
56 100
69 169.3 20.1 30.1#
84 141.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 43.792 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081142.D

Acq: 22 Feb 2024 17:59

Instrument :

MSVOA_N

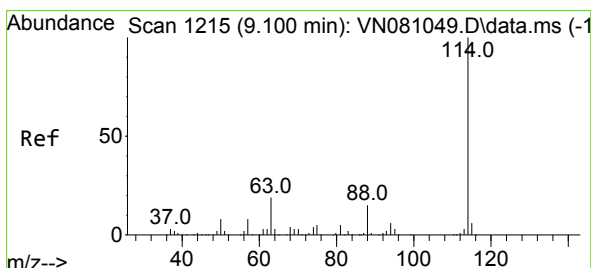
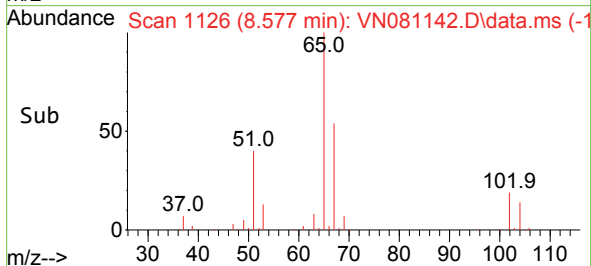
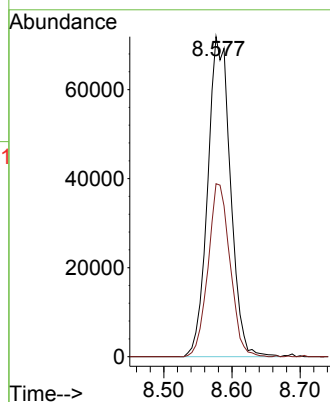
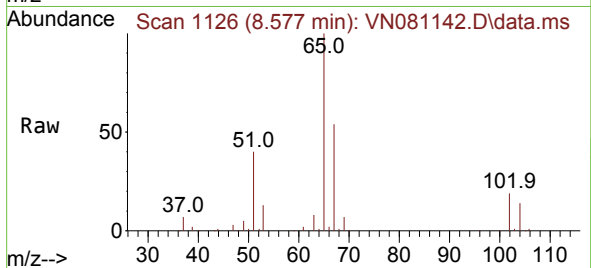
ClientSampleId :

Tgt Ion: 65 Resp: 166567

Ion Ratio Lower Upper

65 100

67 52.2 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: VN081142.D

Acq: 22 Feb 2024 17:59

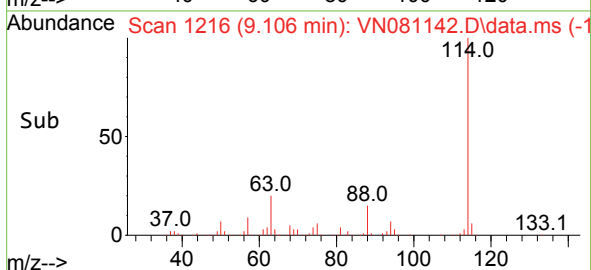
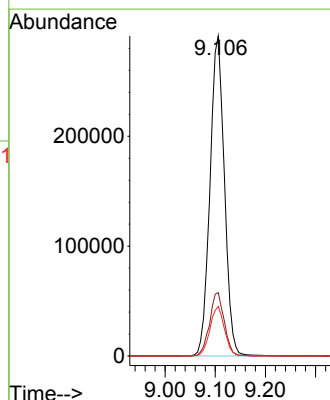
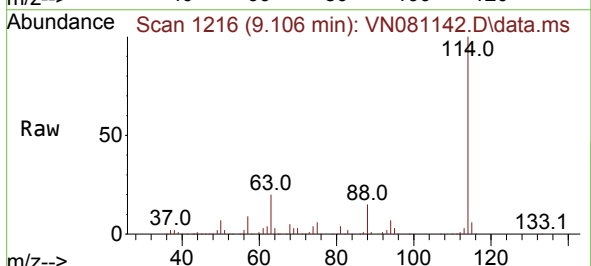
Tgt Ion: 114 Resp: 583008

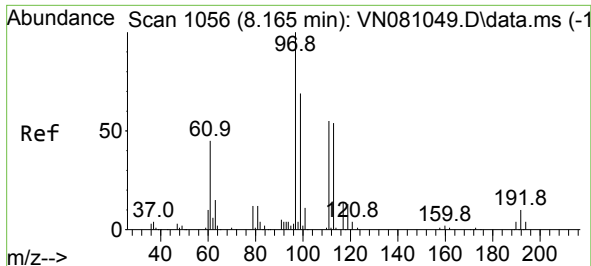
Ion Ratio Lower Upper

114 100

63 19.8 0.0 48.0

88 15.5 0.0 34.8

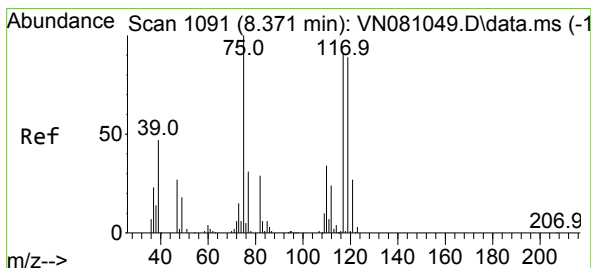
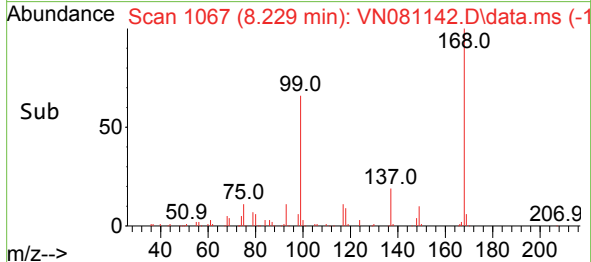
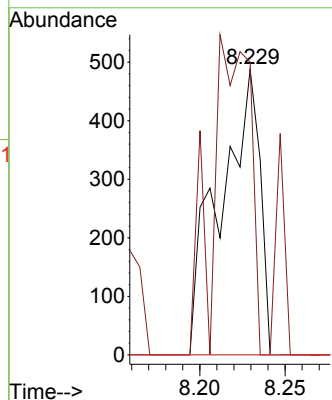
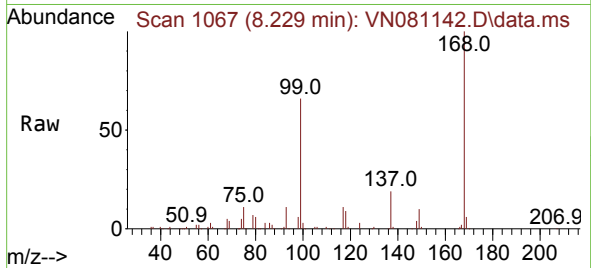




#35
 Dibromofluoromethane
 Concen: 0.239 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. 0.065 min
 Lab File: VN081142.D
 Acq: 22 Feb 2024 17:59

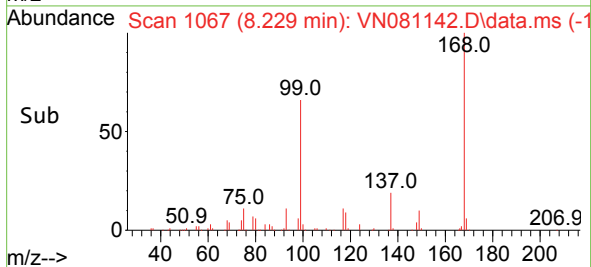
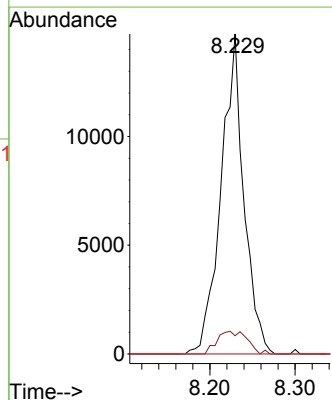
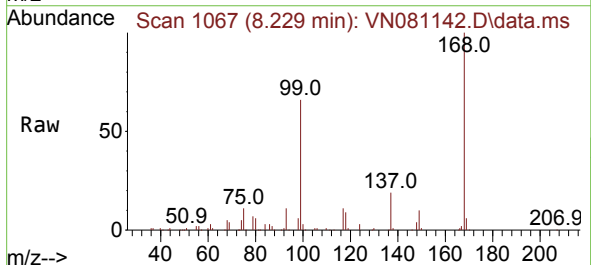
Instrument :
 MSVOA_N
 ClientSampleId :

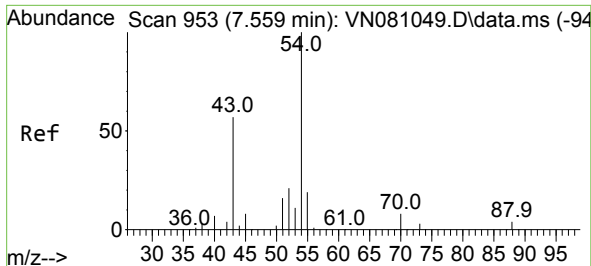
Tgt Ion:113 Resp: 789
 Ion Ratio Lower Upper
 113 100
 111 16.9 82.2 123.4#
 192 0.0 12.5 18.7#



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.141 min
 Lab File: VN081142.D
 Acq: 22 Feb 2024 17:59

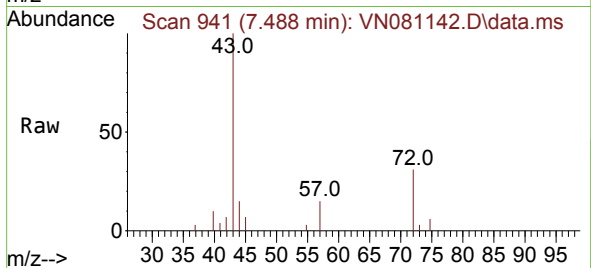
Tgt Ion: 75 Resp: 27372
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.0 48.0#
 77 0.0 25.8 38.6#



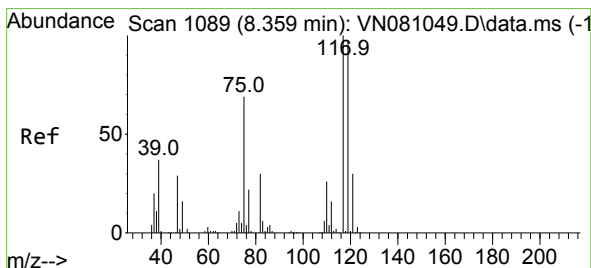
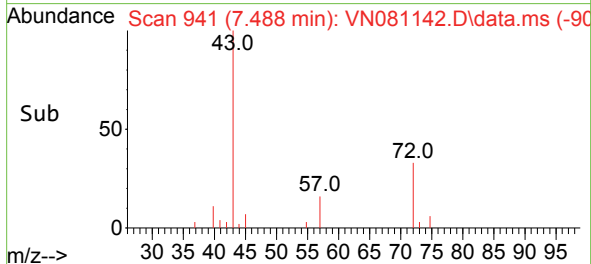
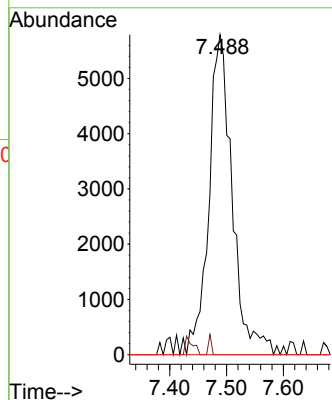


#37
Ethyl Acetate
Concen: 3.260 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

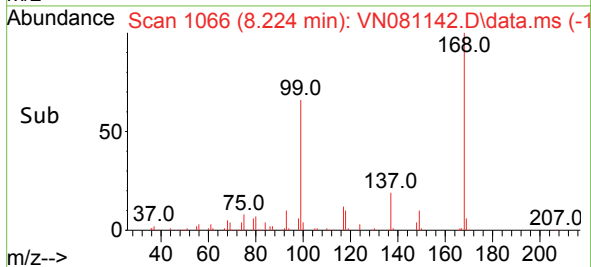
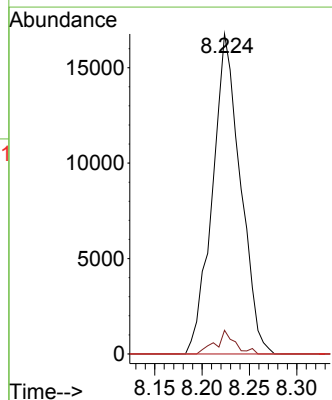
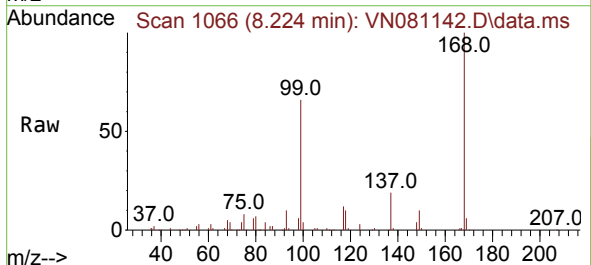


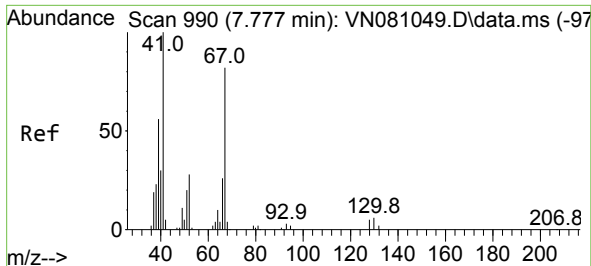
Tgt Ion: 43 Resp: 16620
Ion Ratio Lower Upper
43 100
61 0.8 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

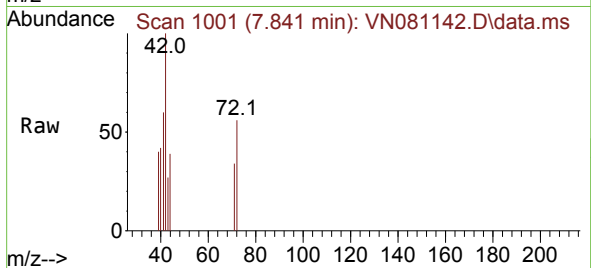
Tgt Ion: 117 Resp: 34586
Ion Ratio Lower Upper
117 100
119 7.4 73.4 110.2#
121 0.0 24.4 36.6#



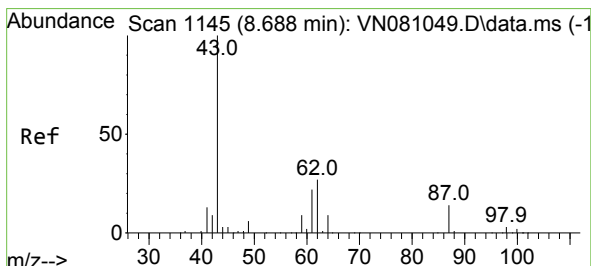
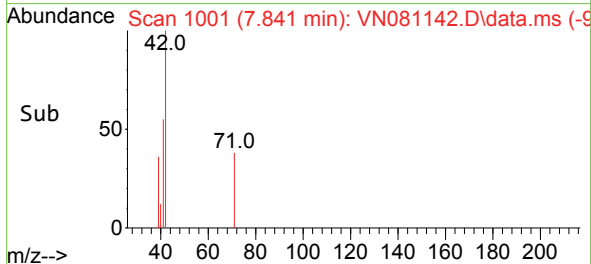
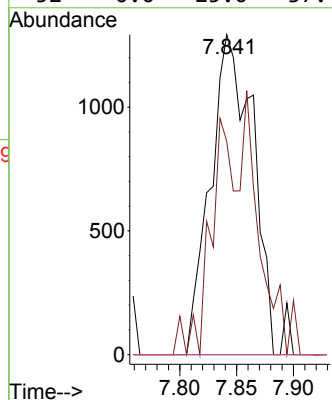


#41
Methacrylonitrile
Concen: 1.156 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

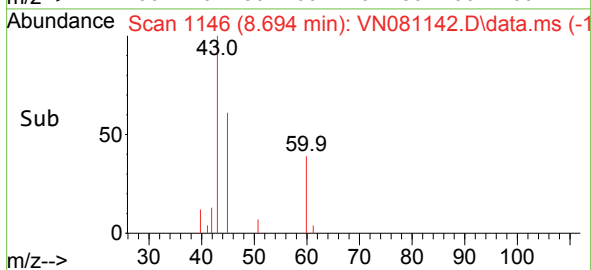
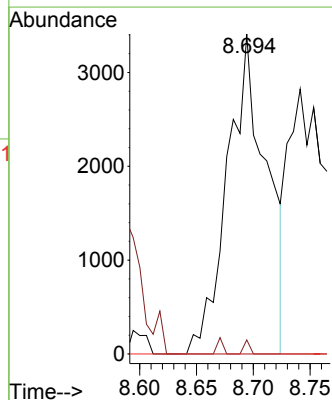
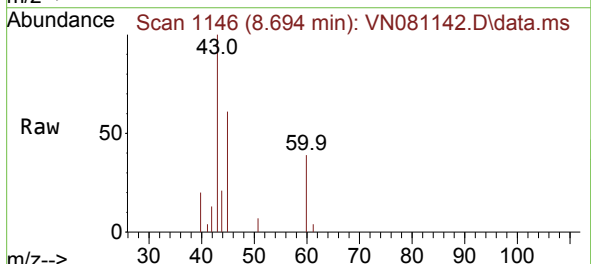


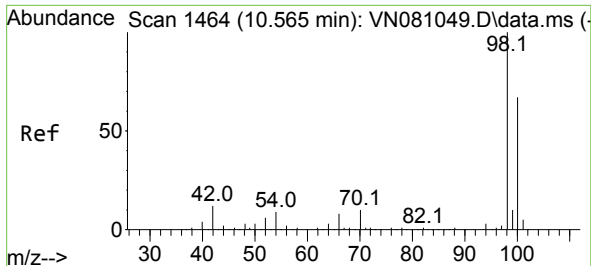
Tgt Ion: 41 Resp: 3353
Ion Ratio Lower Upper
41 100
39 38.0 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 0.908 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Tgt Ion: 43 Resp: 8092
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#





#50

Toluene-d8

Concen: 37.549 ug/l

RT: 10.570 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN081142.D

Acq: 22 Feb 2024 17:59

Instrument :

MSVOA_N

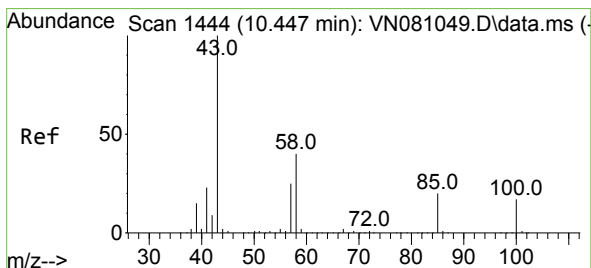
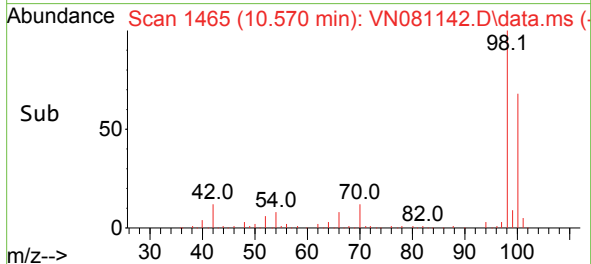
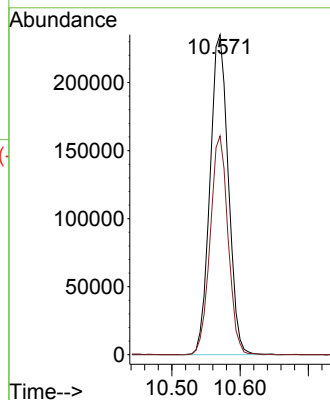
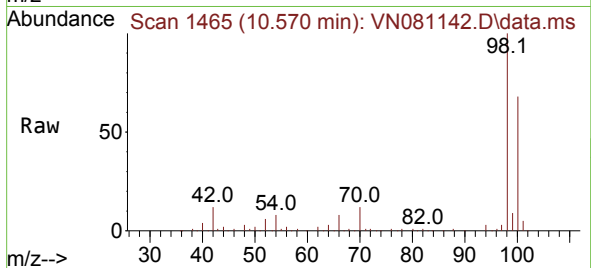
ClientSampleId :

Tgt Ion: 98 Resp: 439666

Ion Ratio Lower Upper

98 100

100 66.6 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.980 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN081142.D

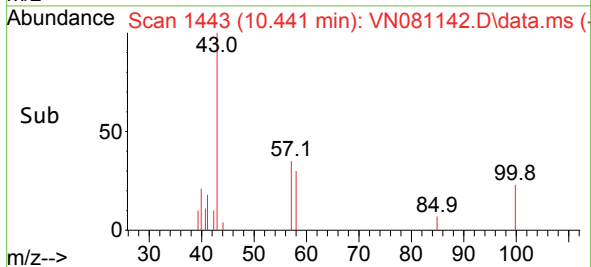
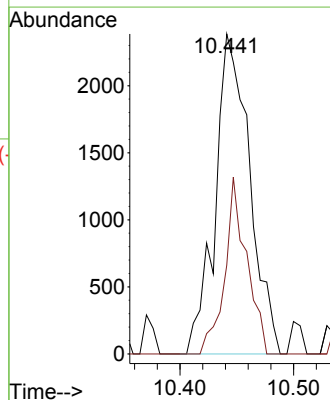
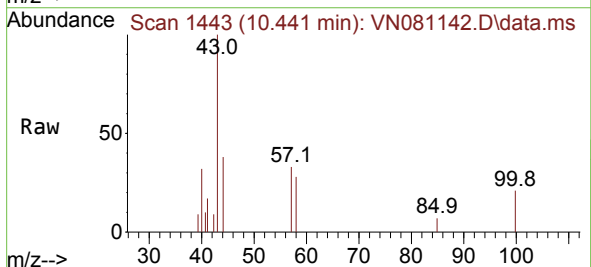
Acq: 22 Feb 2024 17:59

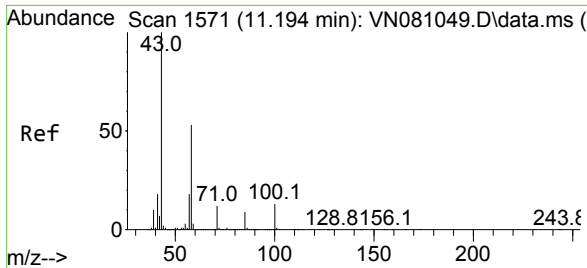
Tgt Ion: 43 Resp: 5027

Ion Ratio Lower Upper

43 100

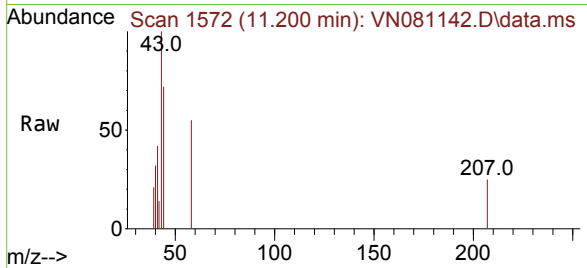
58 34.9 29.4 44.0



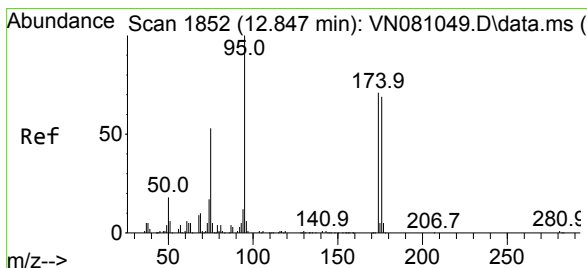
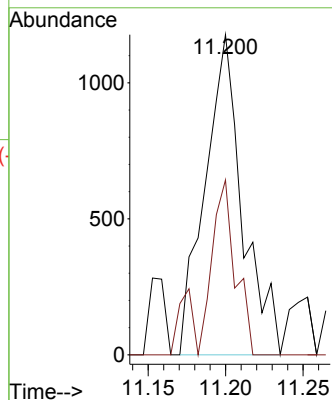
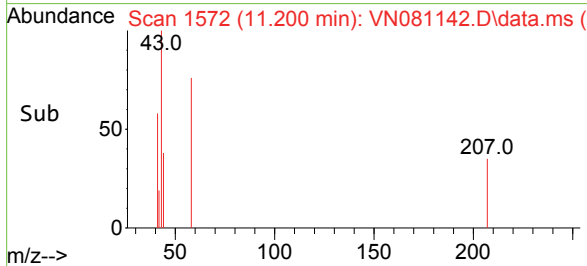


#59
2-Hexanone
Concen: 0.487 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

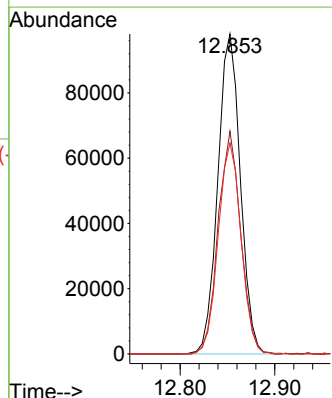
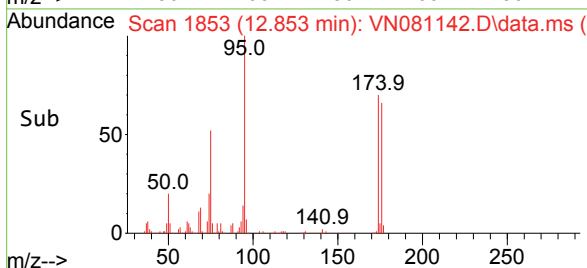
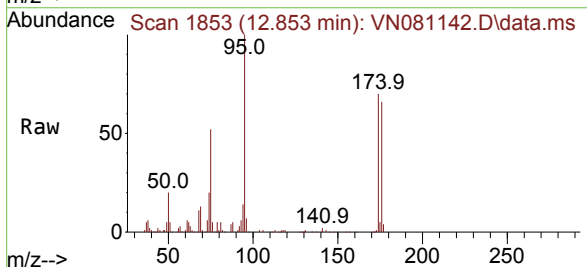


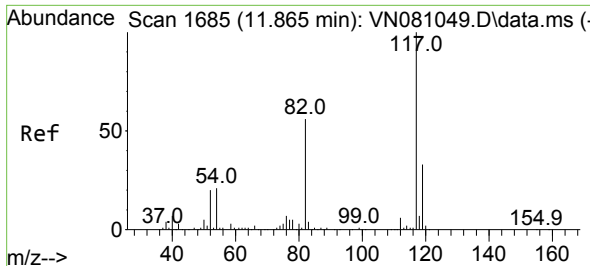
Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
58 33.7 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 36.895 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

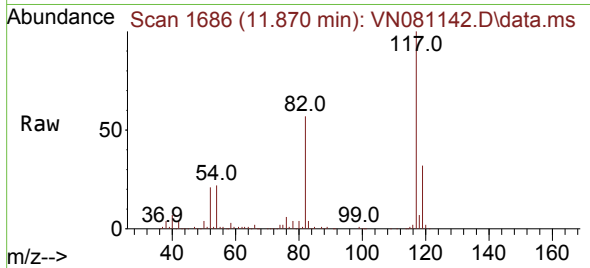
Tgt Ion: 95 Resp: 162327
Ion Ratio Lower Upper
95 100
174 69.4 0.0 120.4
176 66.8 0.0 121.0



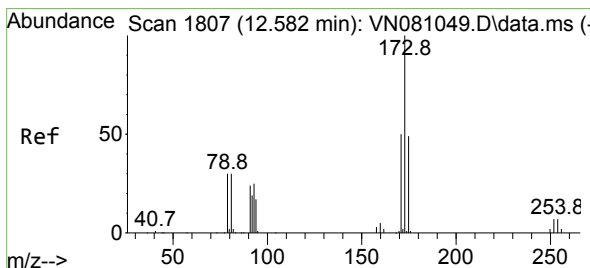
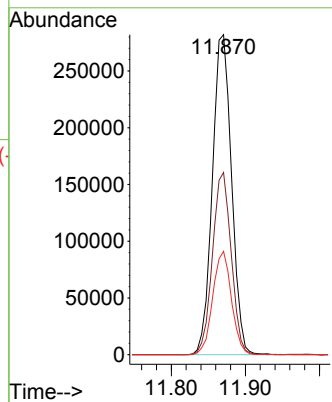
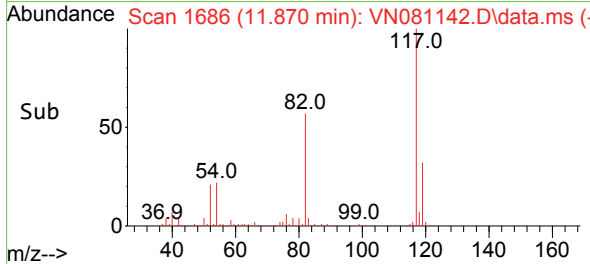


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Instrument :
MSVOA_N
ClientSampleId :

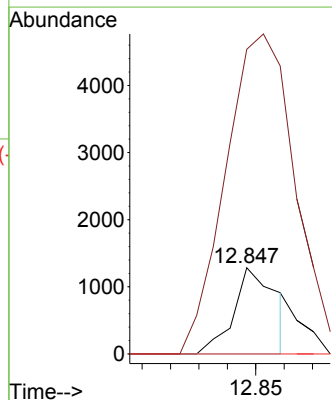
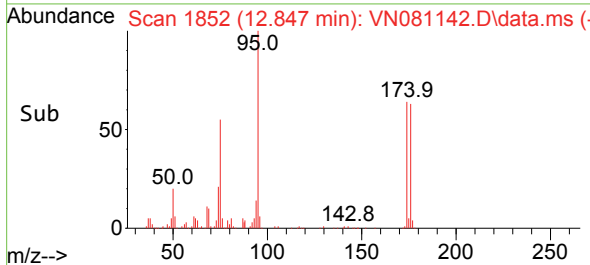
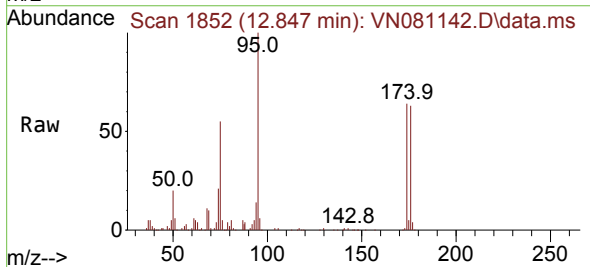


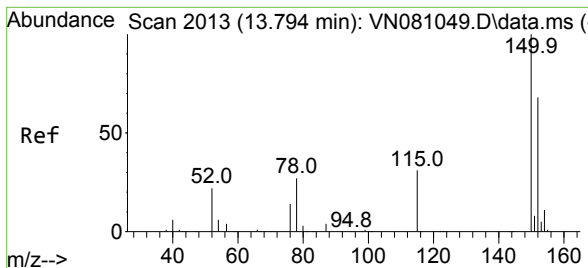
Tgt Ion:117 Resp: 506763
Ion Ratio Lower Upper
117 100
82 57.0 52.7 79.1
119 32.3 25.3 37.9



#71
Bromoform
Concen: 0.538 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN081142.D
Acq: 22 Feb 2024 17:59

Tgt Ion:173 Resp: 1345
Ion Ratio Lower Upper
173 100
175 496.4 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# 2013

Delta R.T. -0.000 min MSVOA_N

Lab File: VN081142.D

Acq: 22 Feb 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

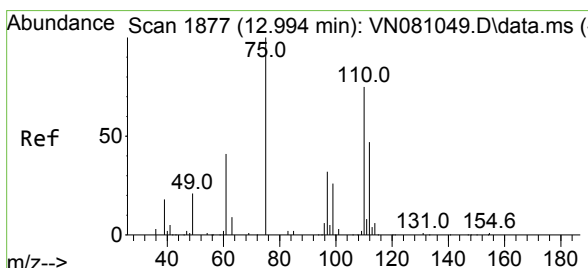
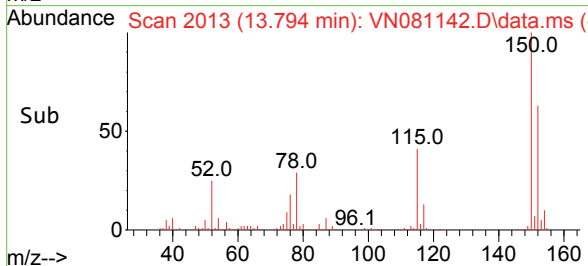
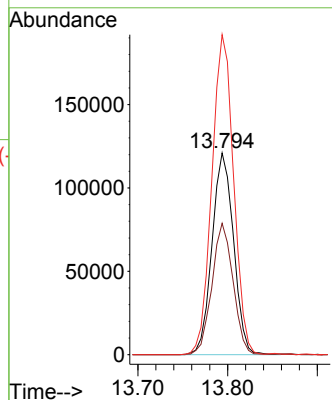
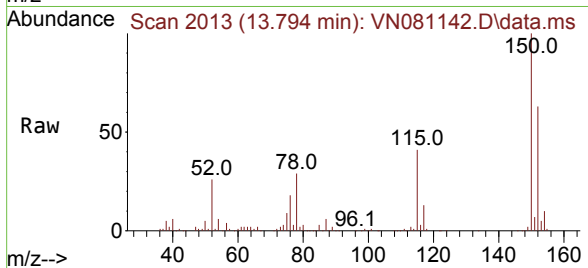
Tgt Ion:152 Resp: 201463

Ion Ratio Lower Upper

152 100

115 64.0 32.3 96.8

150 160.0 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 18.864 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081142.D

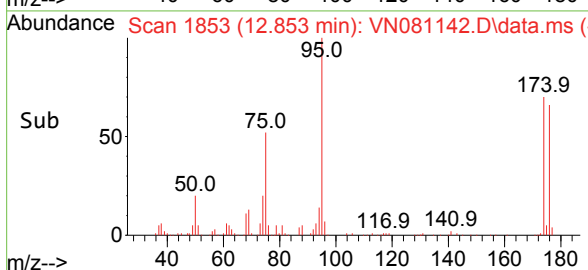
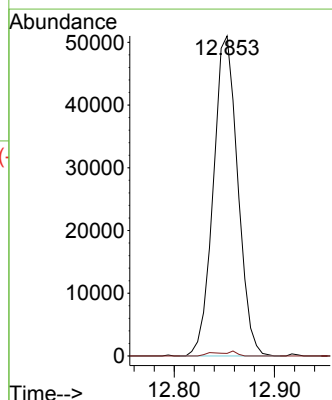
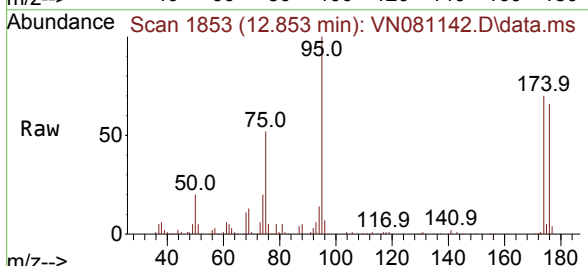
Acq: 22 Feb 2024 17:59

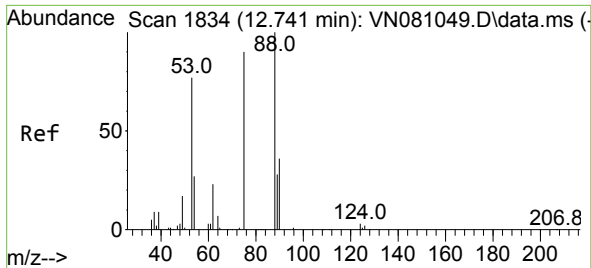
Tgt Ion: 75 Resp: 86346

Ion Ratio Lower Upper

75 100

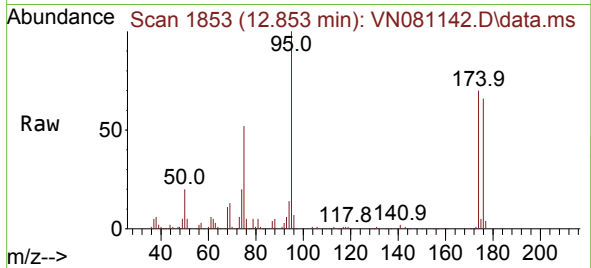
77 0.9 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.554 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081142.D
 Acq: 22 Feb 2024 17:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 86346
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

