

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082079.D
 Acq On : 10 May 2024 18:57
 Operator : JC\MD
 Sample : P2423-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:27:30 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)

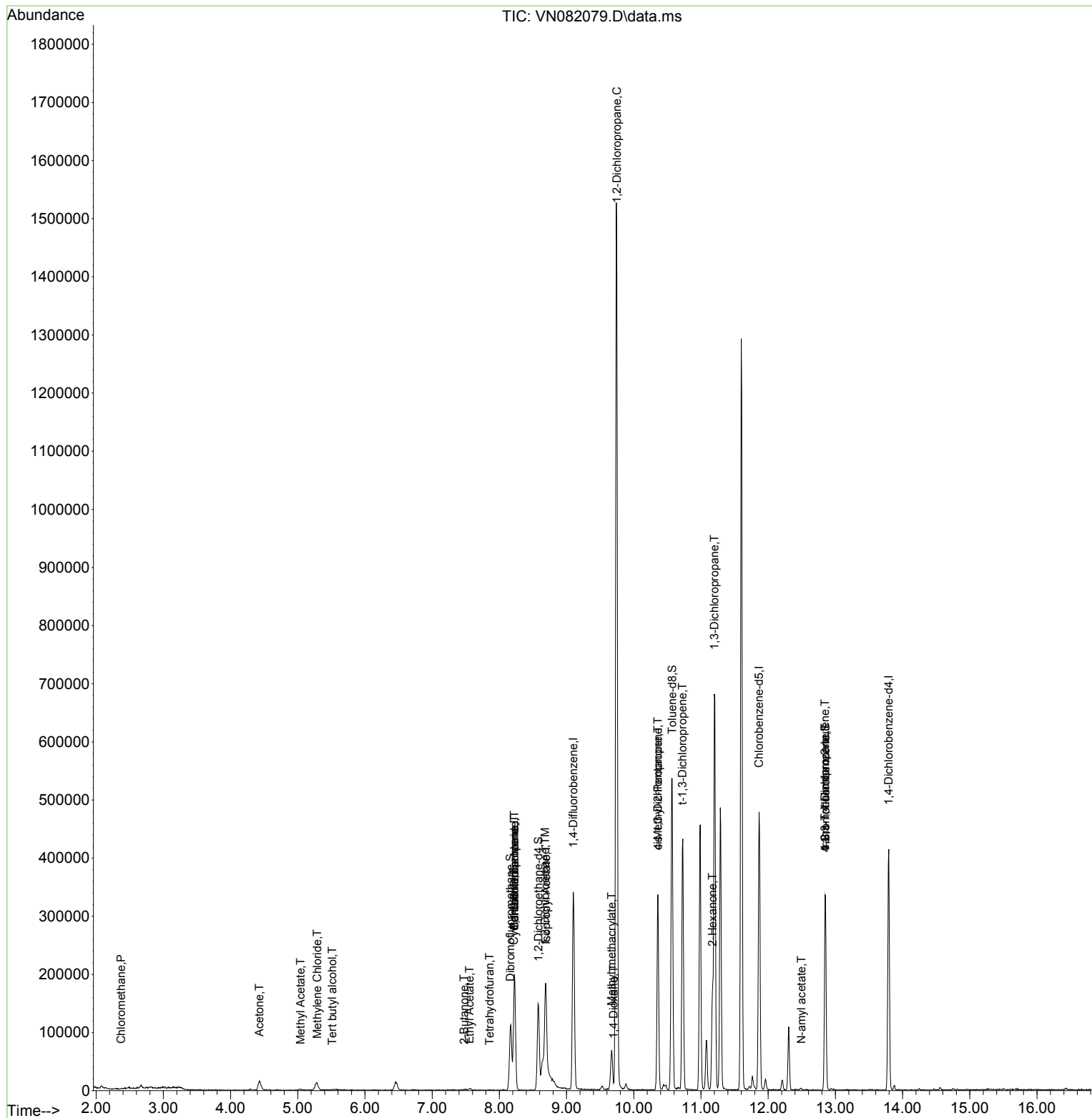
Internal Standards						
1) Pentafluorobenzene	8.224	168	125681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117068	55.190	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.380%
35) Dibromofluoromethane	8.165	113	82506	49.479	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.960%
50) Toluene-d8	10.571	98	357252	54.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.100%
62) 4-Bromofluorobenzene	12.853	95	119005	45.968	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.940%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	421	0.229	ug/l #	1
5) Bromomethane	2.983	94	120	Below Cal		88
11) Tert butyl alcohol	5.512	59	337	0.874	ug/l #	71
13) Acrolein	4.183	56	61	Below Cal	#	15
16) Acetone	4.430	43	29966	43.252	ug/l	97
18) Methyl Acetate	5.042	43	4261	1.983	ug/l #	73
20) Methylene Chloride	5.289	84	9011	4.957	ug/l #	81
25) 2-Butanone	7.477	43	3441	2.858	ug/l #	67
29) Tetrahydrofuran	7.853	42	439	0.508	ug/l #	40
31) Cyclohexane	8.218	56	4629	1.449	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	14313	5.276	ug/l #	41
37) Ethyl Acetate	7.559	43	4616	1.574	ug/l #	88
38) Carbon Tetrachloride	8.224	117	14735	5.557	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1970	0.651	ug/l #	73
43) Isopropyl Acetate	8.694	43	304235	55.164	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1464	0.687	ug/l #	45
48) Methyl methacrylate	9.671	41	4557	1.731	ug/l #	38
49) 1,4-Dioxane	9.700	88	54	1.349	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	126766	40.831	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	1384	0.409	ug/l #	68
54) cis-1,3-Dichloropropene	10.359	75	56011	16.077	ug/l #	67
57) 1,3-Dichloropropane	11.200	76	7088	2.079	ug/l #	42
59) 2-Hexanone	11.171	43	139655	60.443	ug/l #	23
74) N-amyl acetate	12.494	43	1449	0.316	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	67062	27.903	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67062	57.177	ug/l #	12

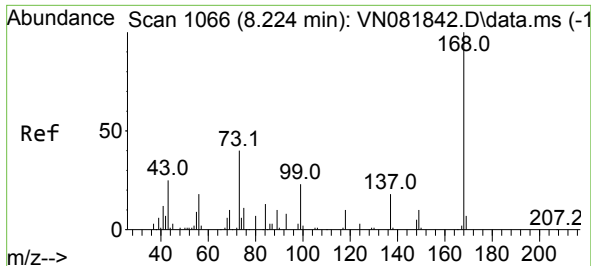
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
Data File : VN082079.D
Acq On : 10 May 2024 18:57
Operator : JC\MD
Sample : P2423-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

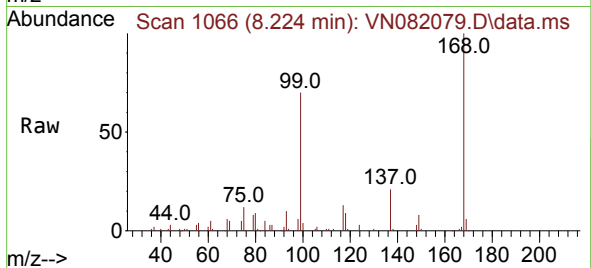
Quant Time: May 10 23:27:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration



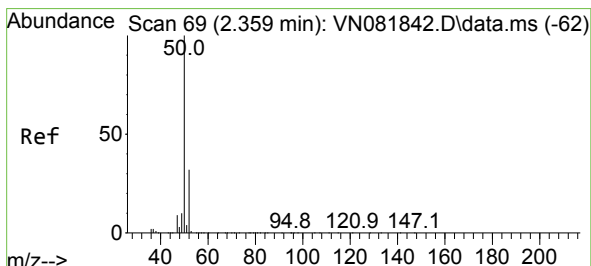
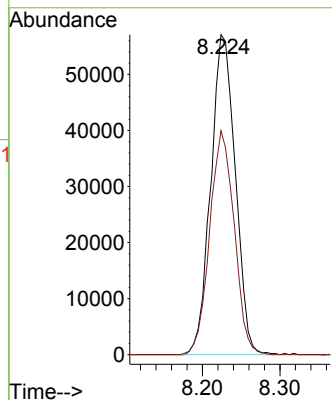
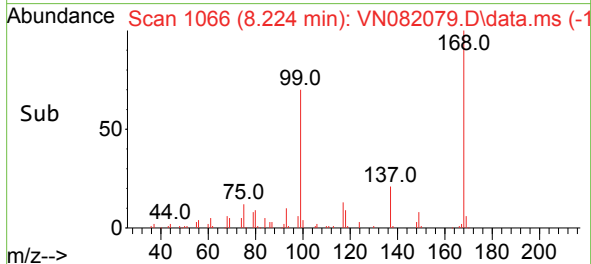


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

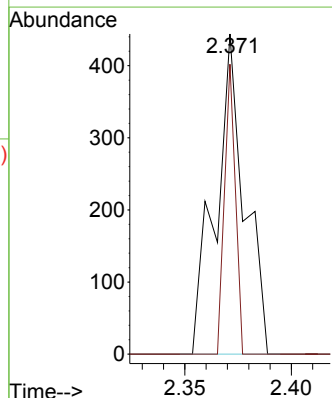
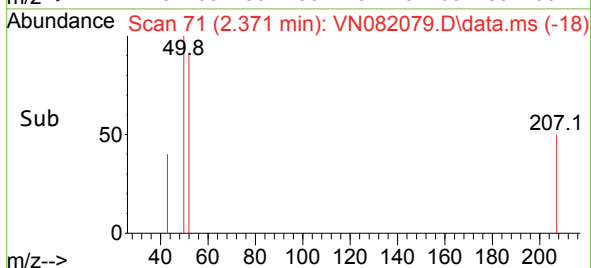
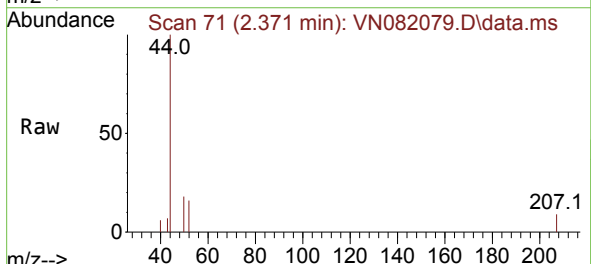


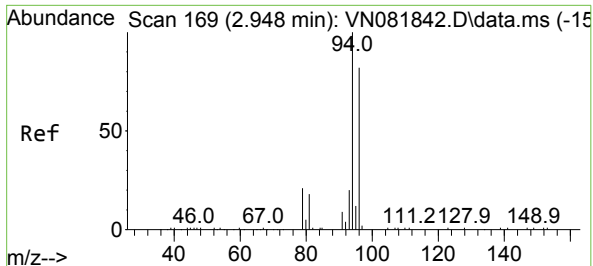
Tgt Ion:168 Resp: 125681
Ion Ratio Lower Upper
168 100
99 70.0 48.2 72.4



#3
Chloromethane
Concen: 0.229 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 90.5 25.5 38.3#

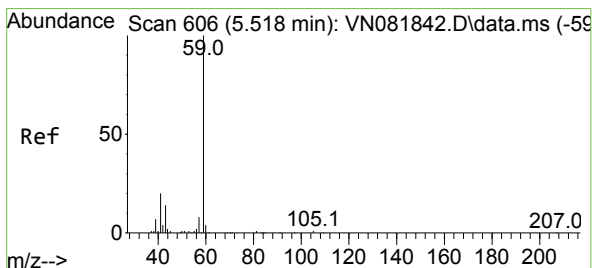
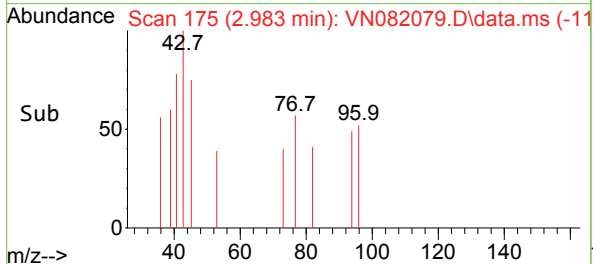
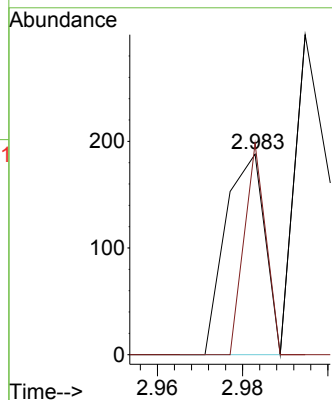
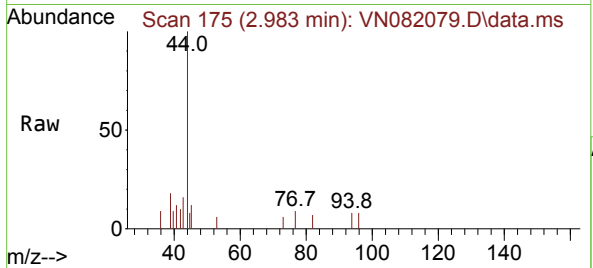




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

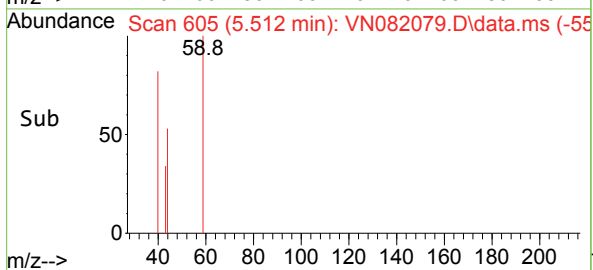
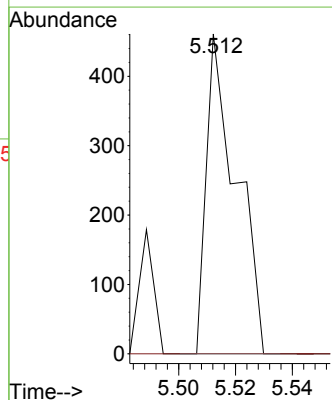
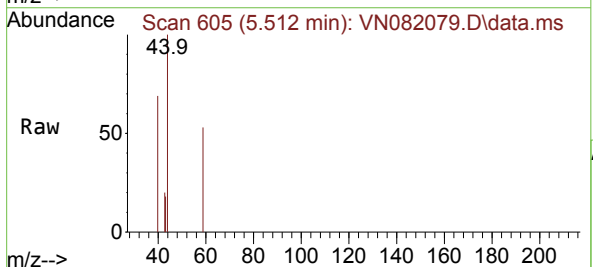
Instrument :
MSVOA_N
ClientSampleId :

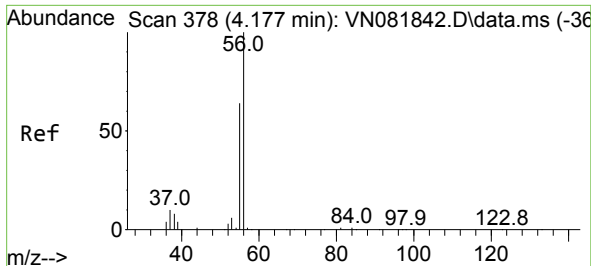
Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 105.3 74.8 112.2



#11
Tert butyl alcohol
Concen: 0.874 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

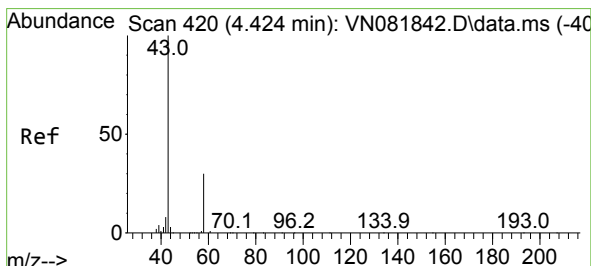
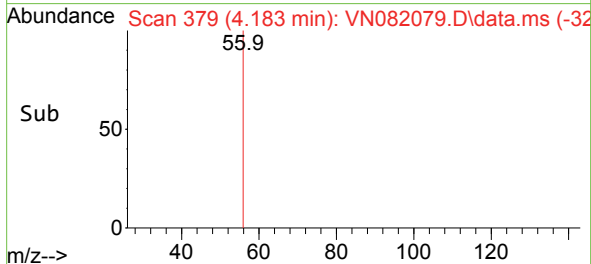
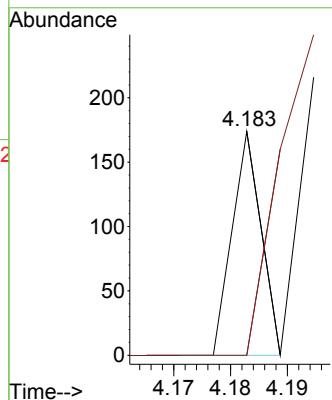
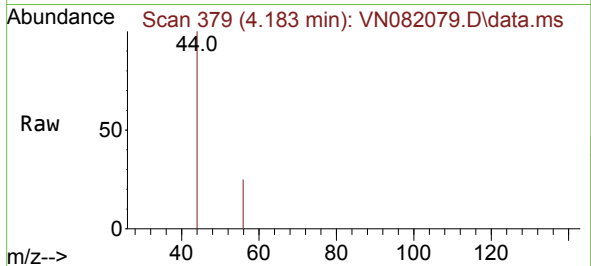




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

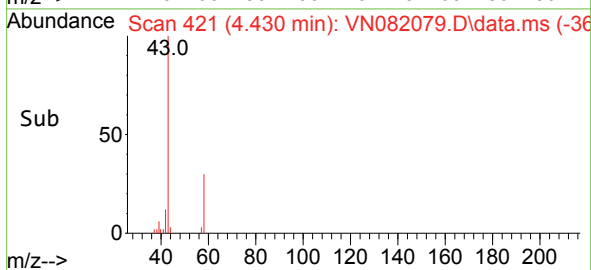
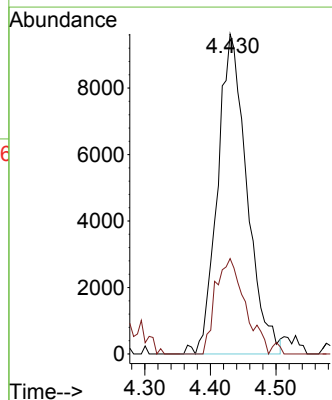
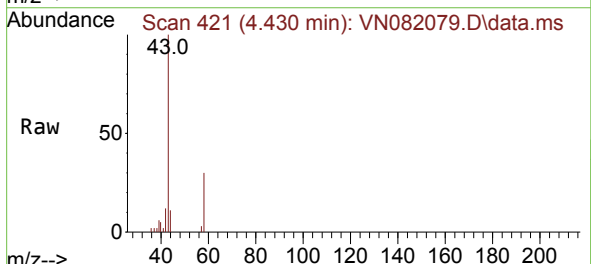
Instrument :
MSVOA_N
ClientSampleId :

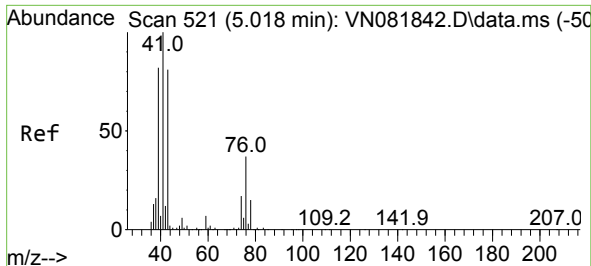
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 43.252 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

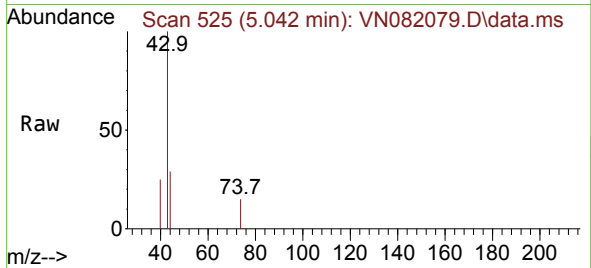
Tgt Ion: 43 Resp: 29966
Ion Ratio Lower Upper
43 100
58 29.8 25.2 37.8



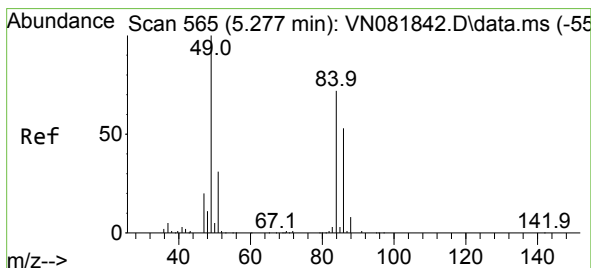
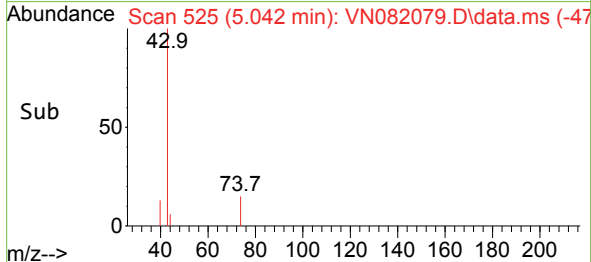
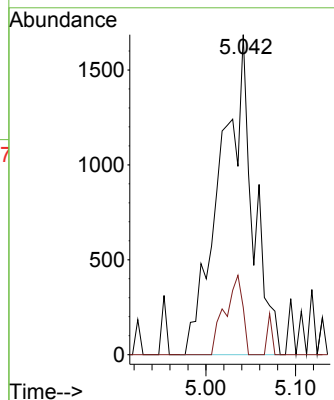


#18
Methyl Acetate
Concen: 1.983 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

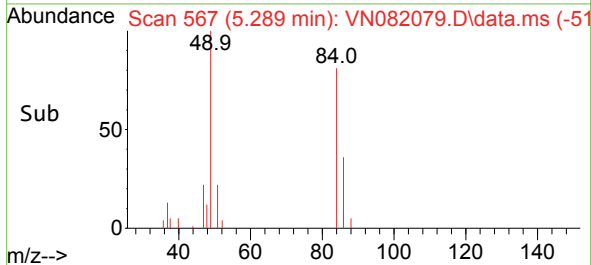
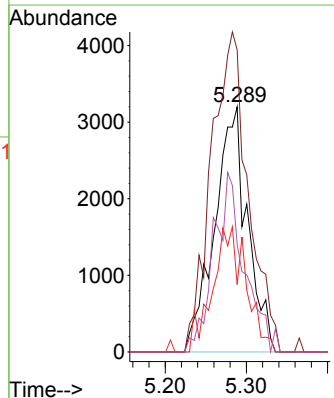
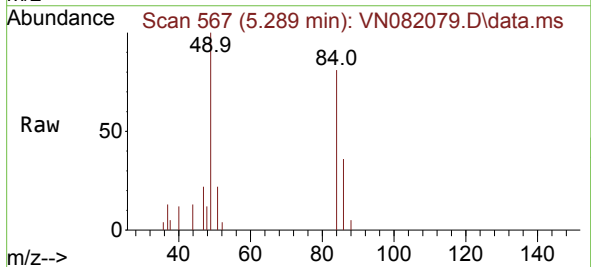


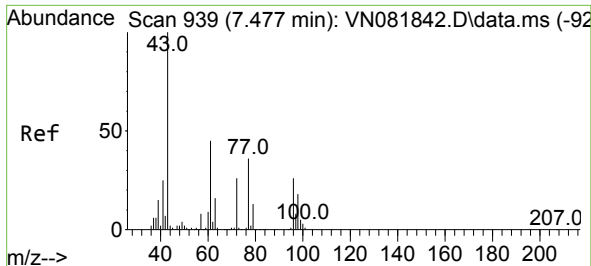
Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
74 13.4 22.2 33.2#



#20
Methylene Chloride
Concen: 4.957 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

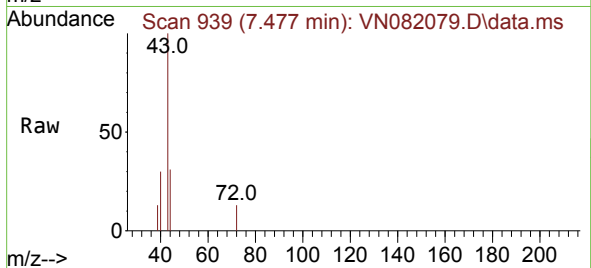
Tgt Ion: 84 Resp: 9011
Ion Ratio Lower Upper
84 100
49 123.2 84.9 127.3
51 27.6 27.0 40.6
86 44.0 52.3 78.5#



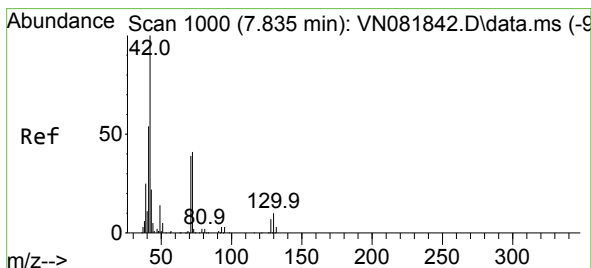
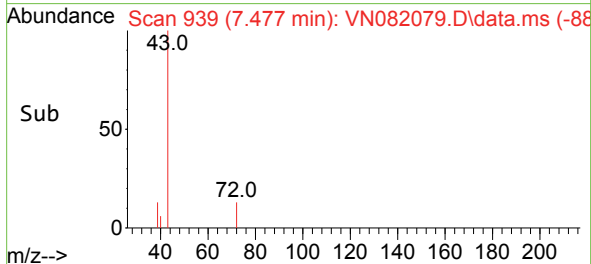
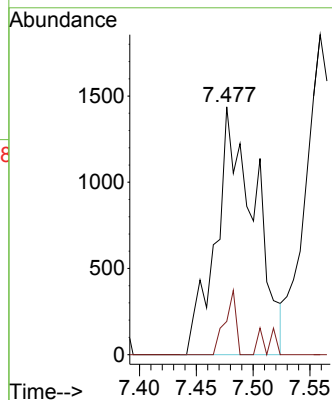


#25
2-Butanone
Concen: 2.858 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

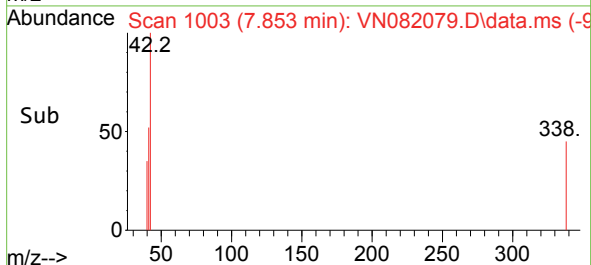
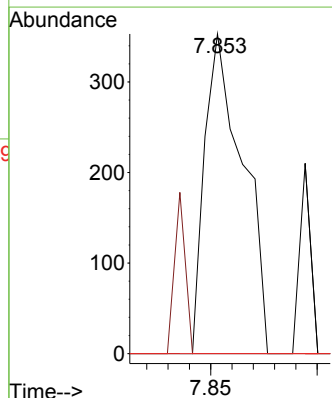
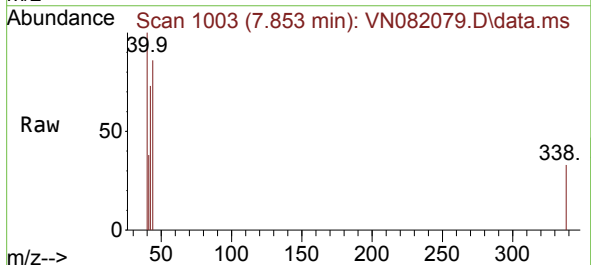


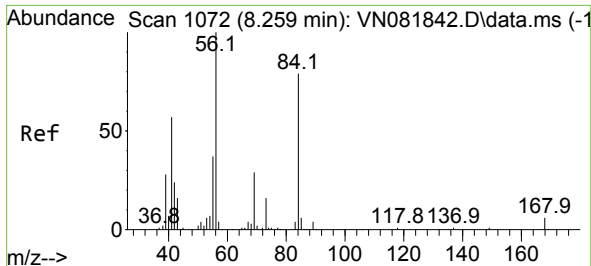
Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
72 13.4 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.508 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

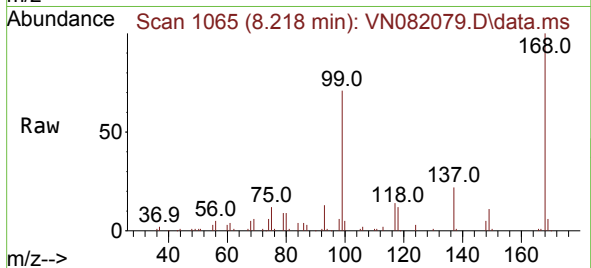
Tgt Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
72 14.4 39.3 58.9#
71 0.0 37.4 56.0#



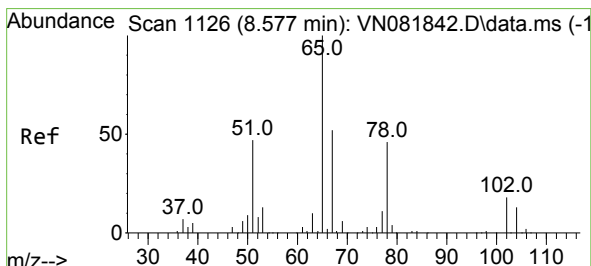
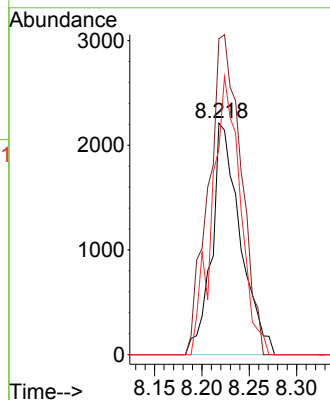
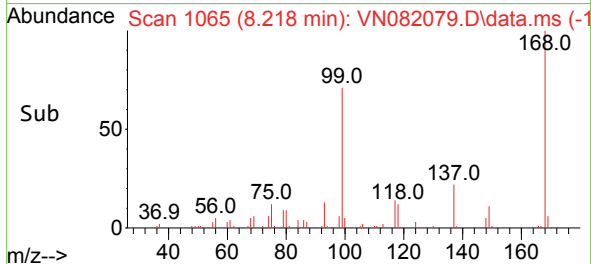


#31
Cyclohexane
Concen: 1.449 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

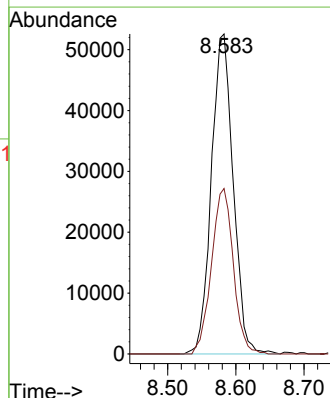
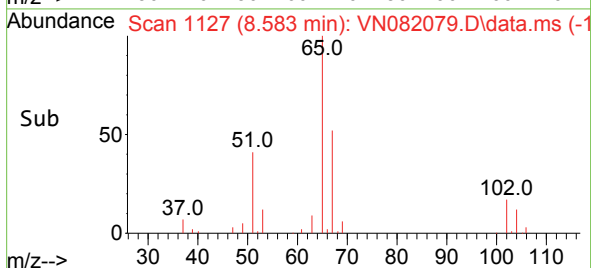
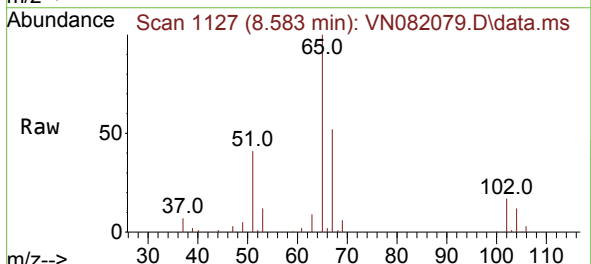


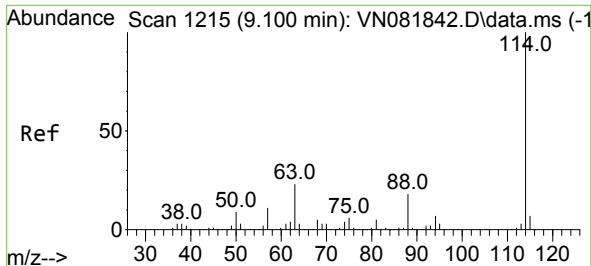
Tgt Ion: 56 Resp: 4629
Ion Ratio Lower Upper
56 100
69 136.6 24.4 36.6#
84 88.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.190 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 65 Resp: 117068
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

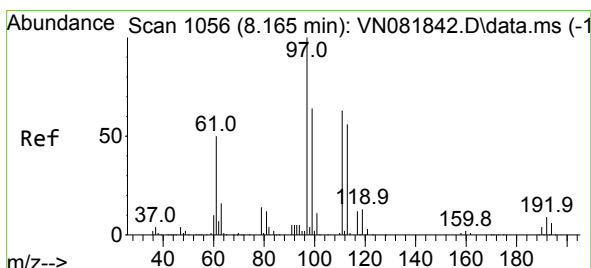
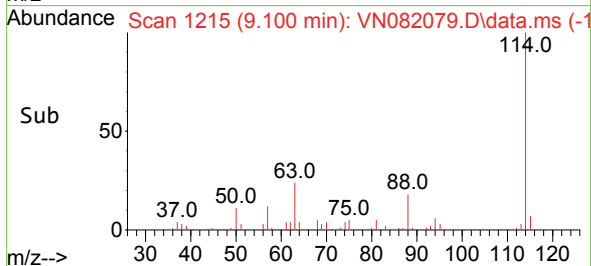
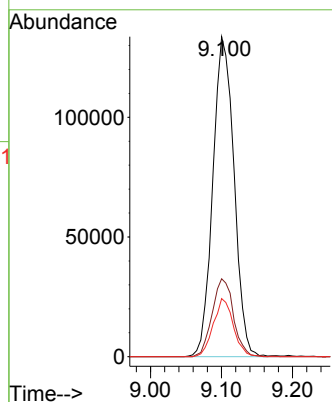
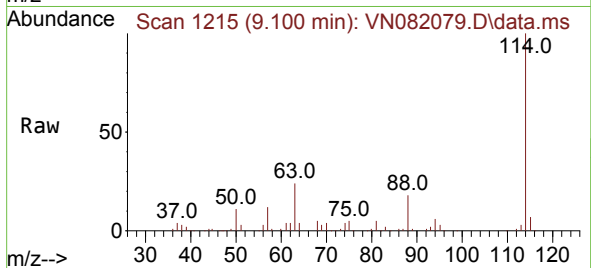
Tgt Ion:114 Resp: 276953

Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 18.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.479 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

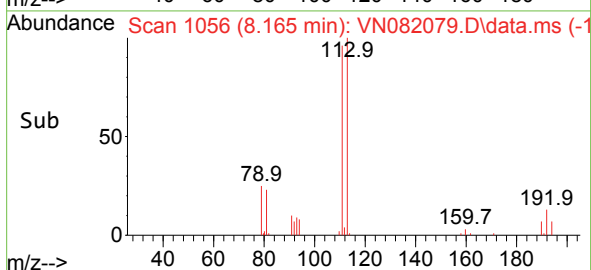
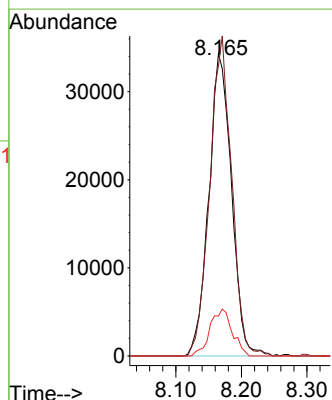
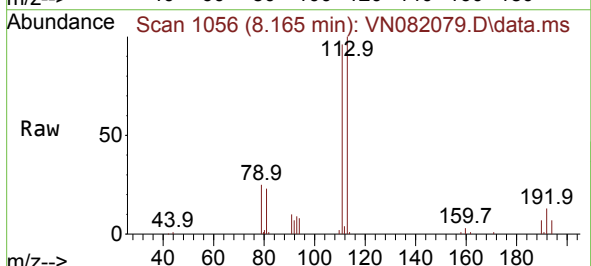
Tgt Ion:113 Resp: 82506

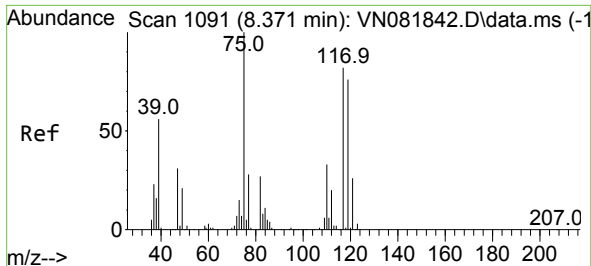
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 15.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

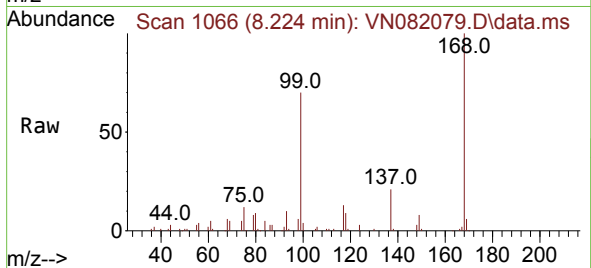
Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :



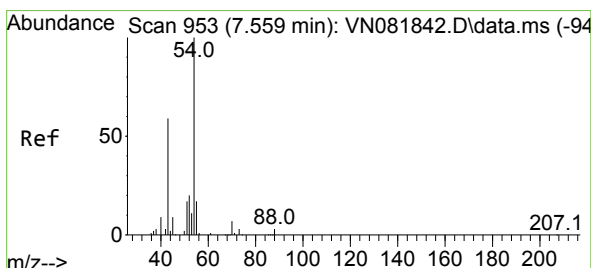
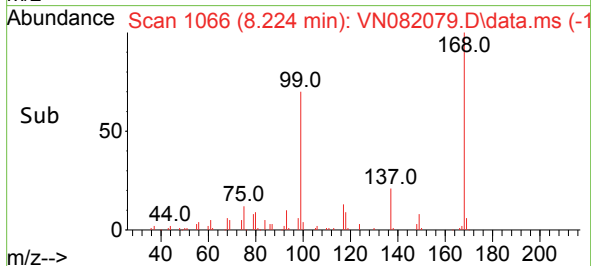
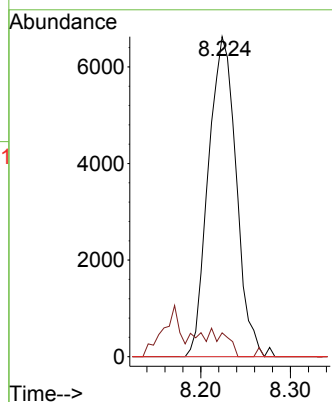
Tgt Ion: 75 Resp: 14313

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.574 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

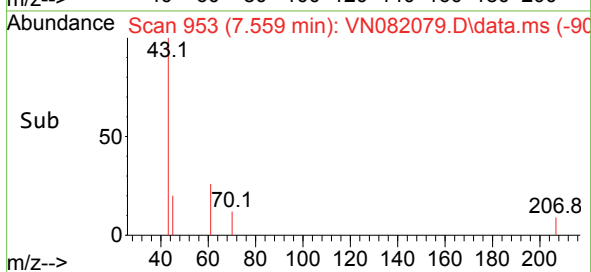
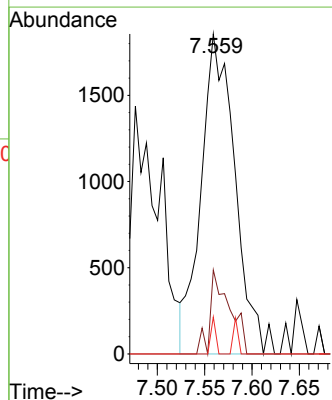
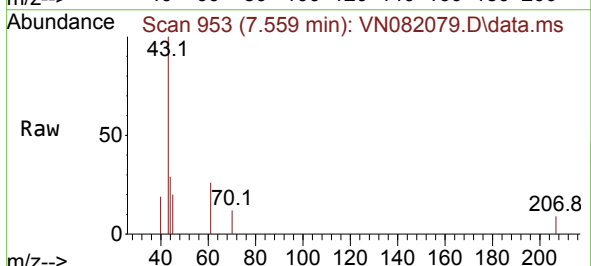
Tgt Ion: 43 Resp: 4616

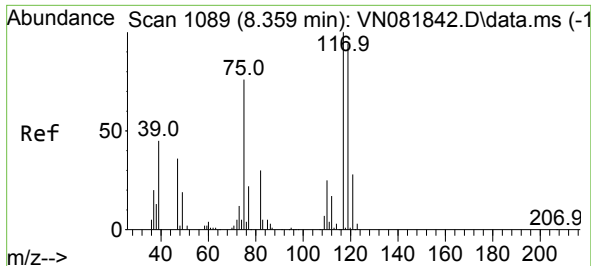
Ion Ratio Lower Upper

43 100

61 15.4 11.3 16.9

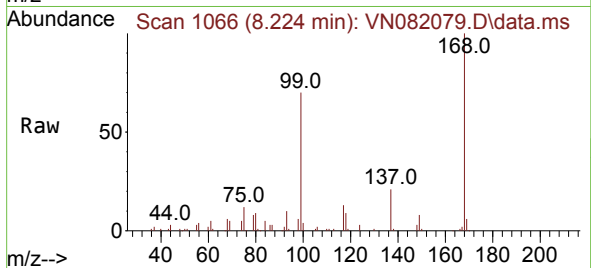
70 1.6 8.7 13.1#



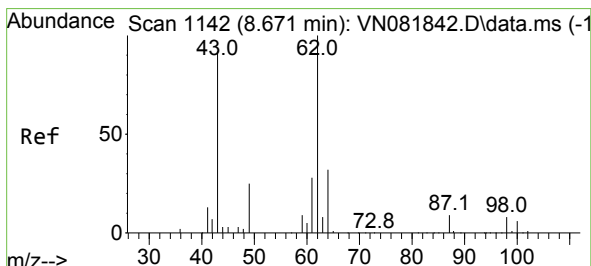
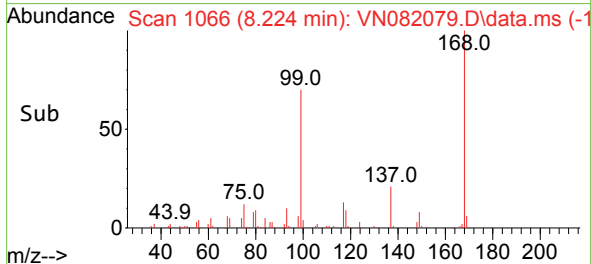
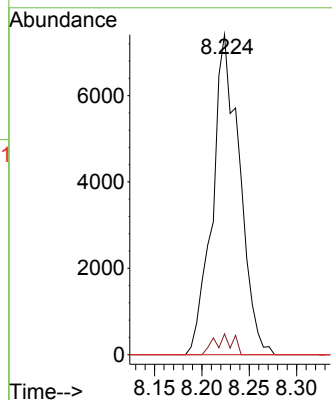


#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

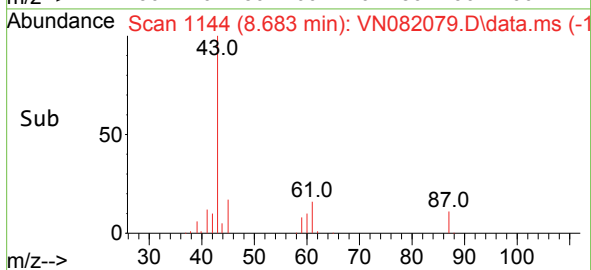
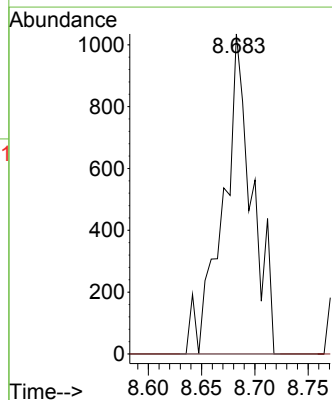
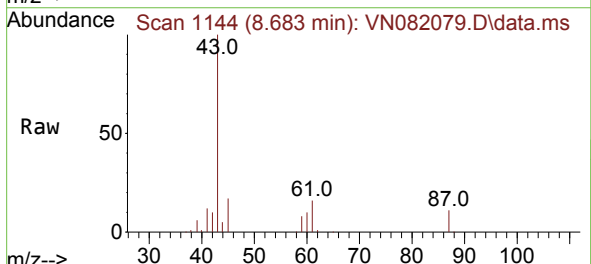


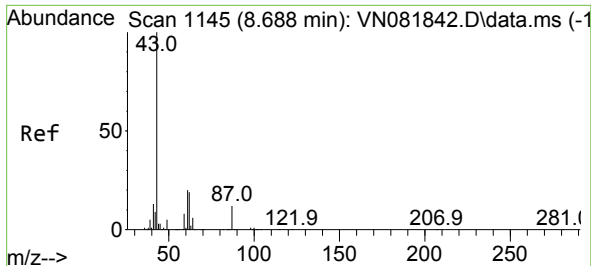
Tgt Ion: 117 Resp: 14735
Ion Ratio Lower Upper
117 100
119 6.5 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.651 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

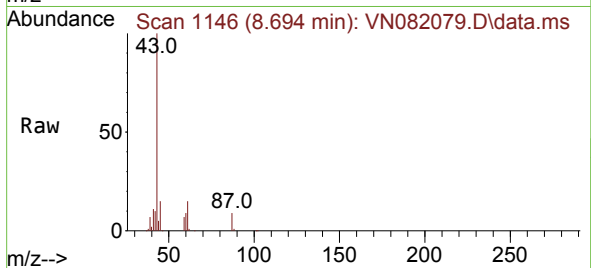
Tgt Ion: 62 Resp: 1970
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



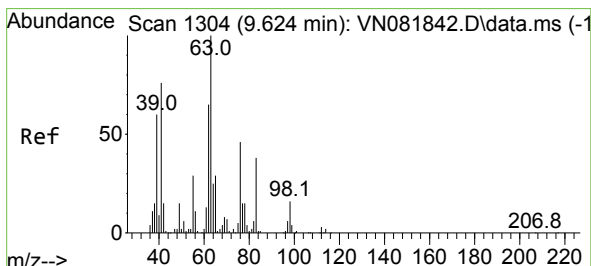
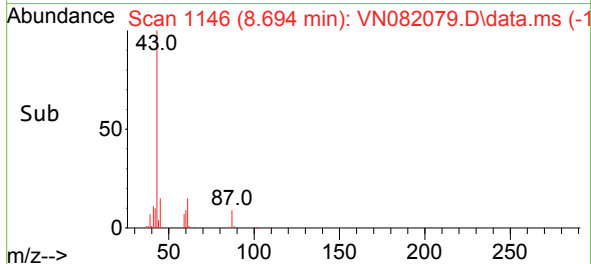
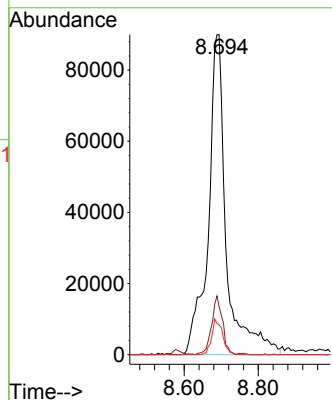


#43
Isopropyl Acetate
Concen: 55.164 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

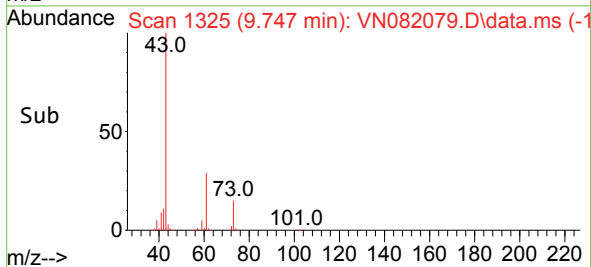
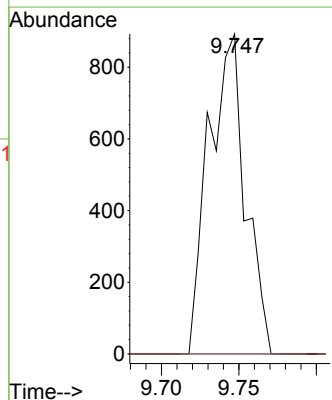
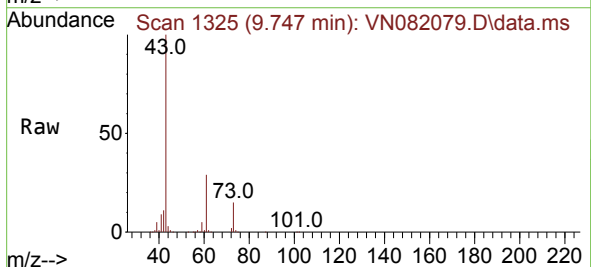


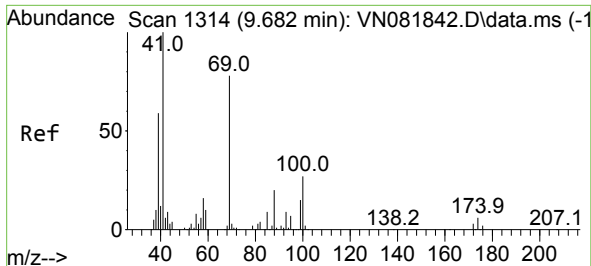
Tgt Ion: 43 Resp: 304235
Ion Ratio Lower Upper
43 100
61 11.0 22.8 34.2#
87 6.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.687 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 63 Resp: 1464
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 1.731 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

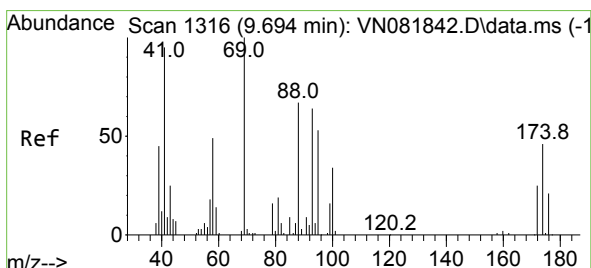
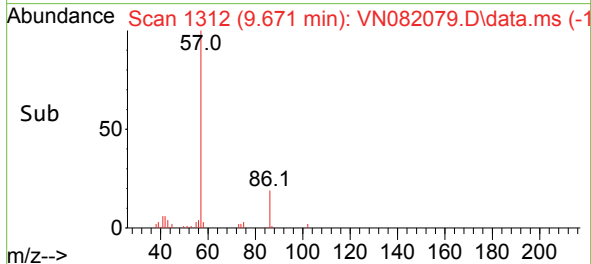
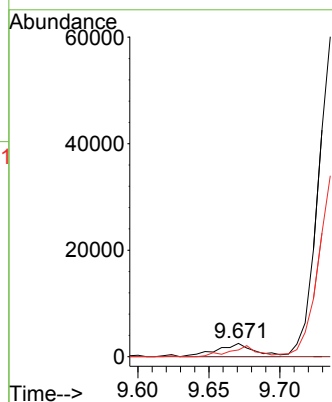
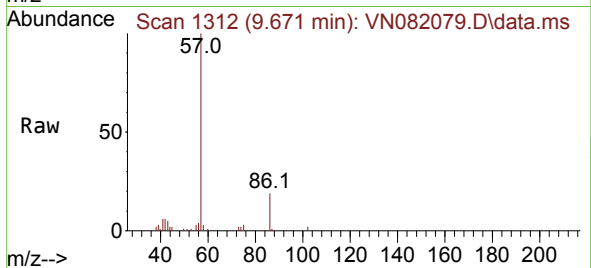
Tgt Ion: 41 Resp: 4557

Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 59.8 50.9 76.3



#49

1,4-Dioxane

Concen: 1.349 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

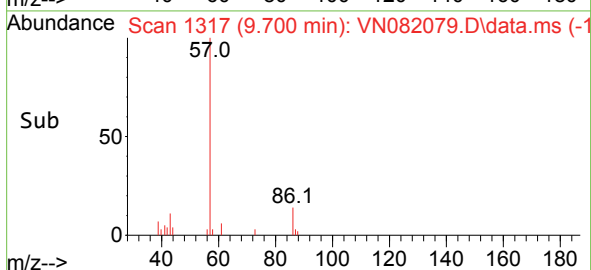
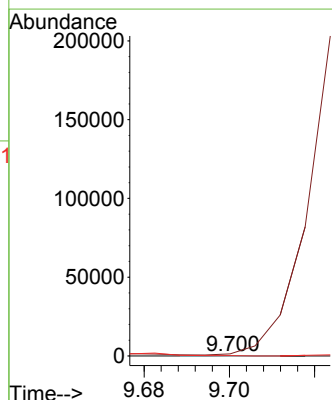
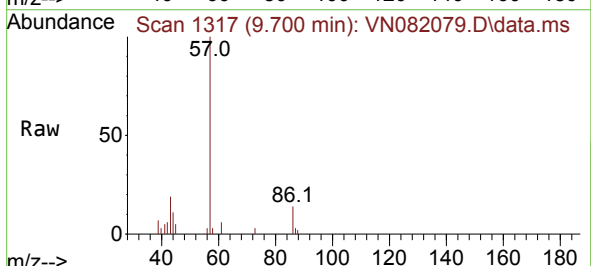
Tgt Ion: 88 Resp: 54

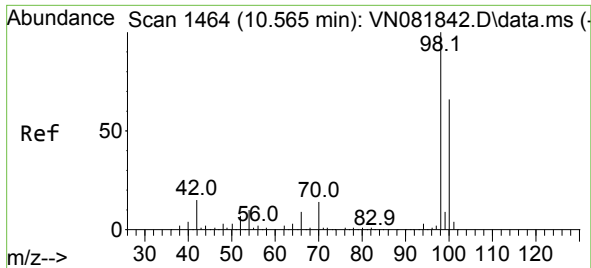
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 5724.1 50.6 76.0#

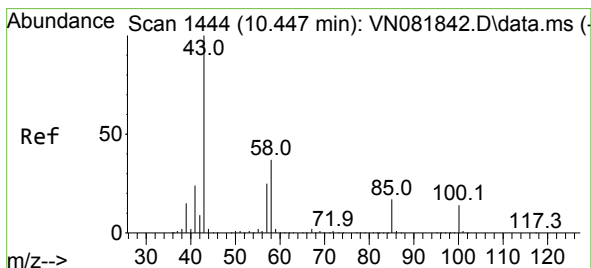
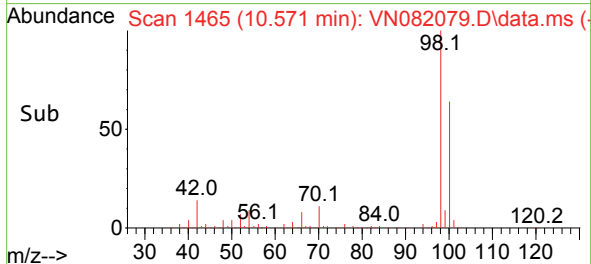
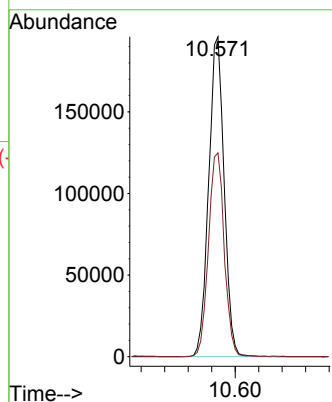
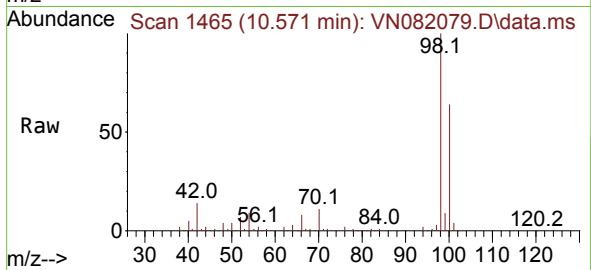




#50
Toluene-d8
Concen: 54.551 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

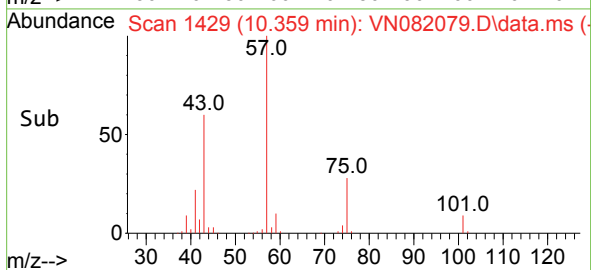
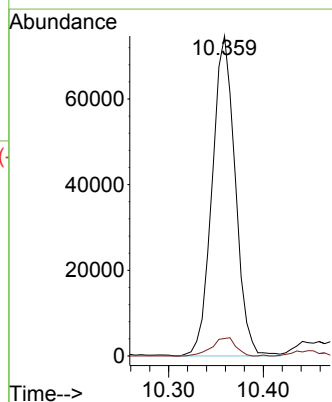
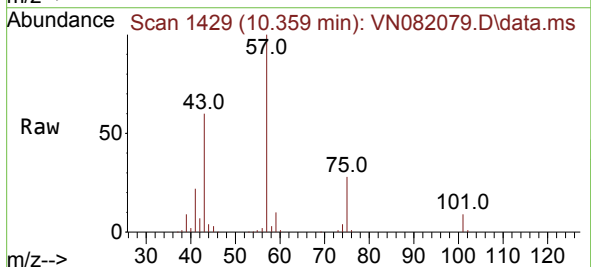
Instrument :
MSVOA_N
ClientSampleId :

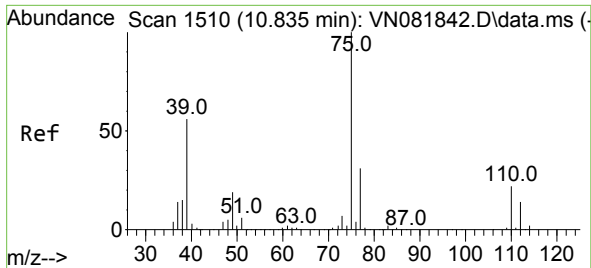
Tgt Ion: 98 Resp: 357252
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 40.831 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 43 Resp: 126766
Ion Ratio Lower Upper
43 100
58 5.9 33.2 49.8#

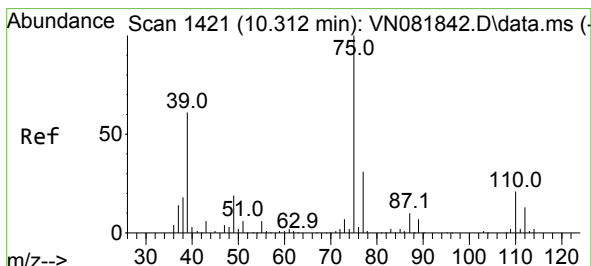
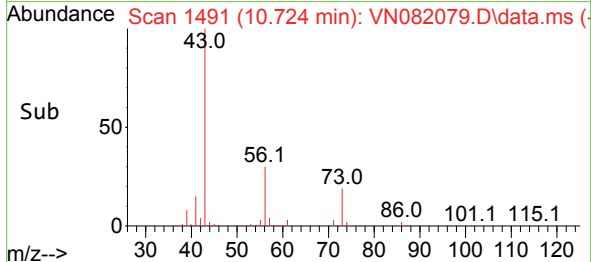
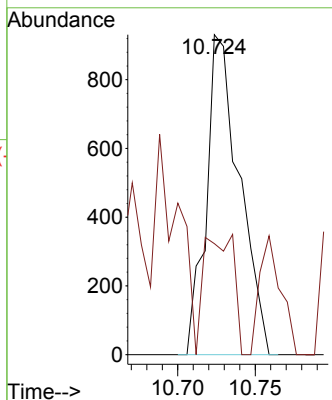
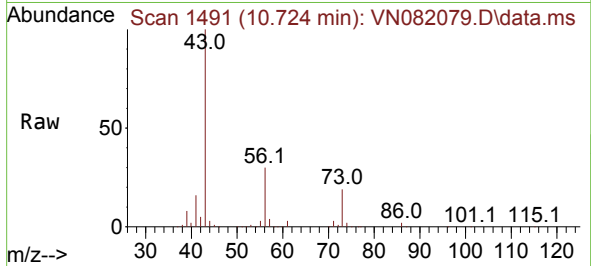




#53
 t-1,3-Dichloropropene
 Concen: 0.409 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082079.D
 Acq: 10 May 2024 18:57

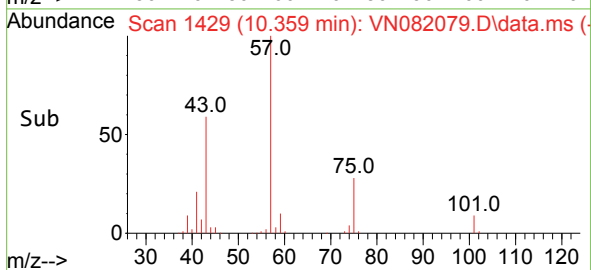
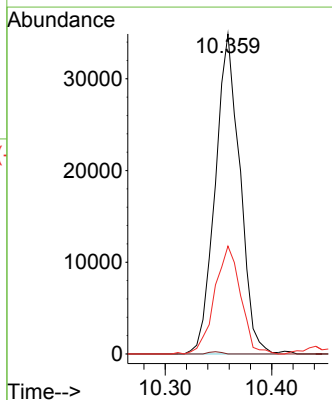
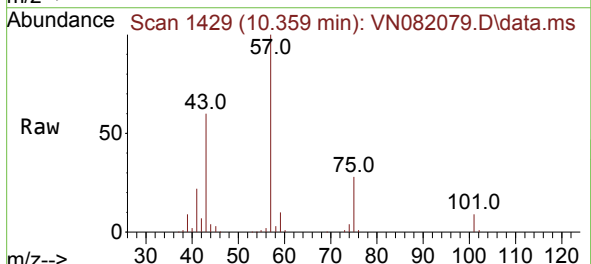
Instrument :
 MSVOA_N
 ClientSampleId :

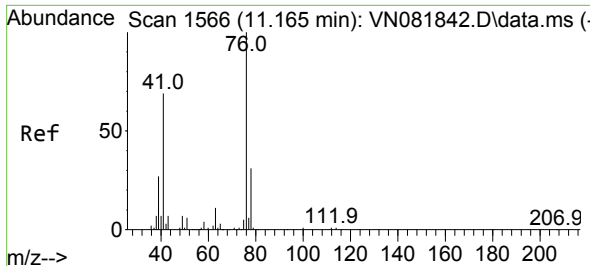
Tgt Ion: 75 Resp: 1384
 Ion Ratio Lower Upper
 75 100
 77 13.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.077 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082079.D
 Acq: 10 May 2024 18:57

Tgt Ion: 75 Resp: 56011
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 33.2 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 2.079 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

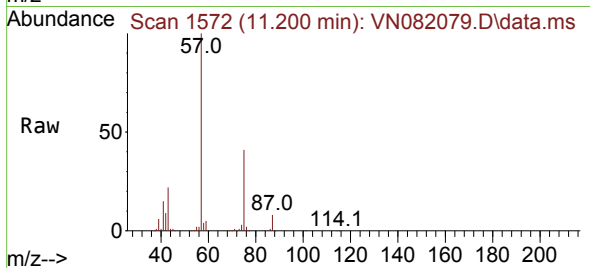
Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

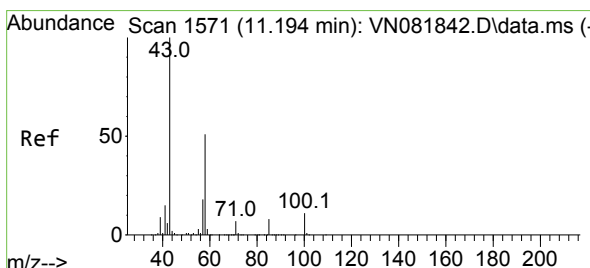
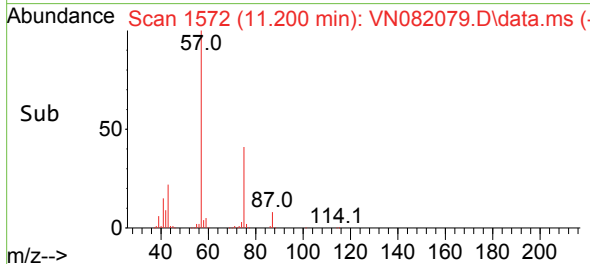
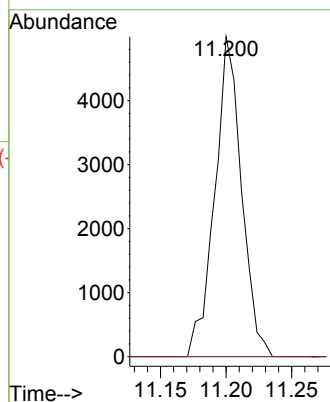


Tgt Ion: 76 Resp: 7088

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 60.443 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN082079.D

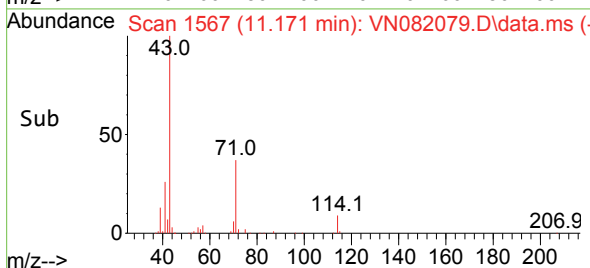
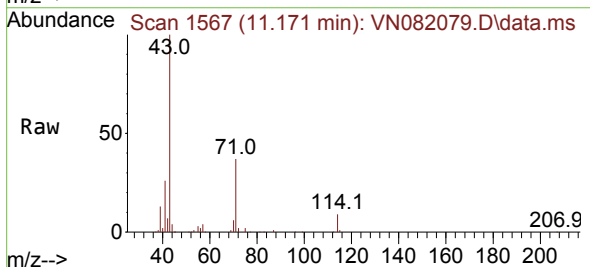
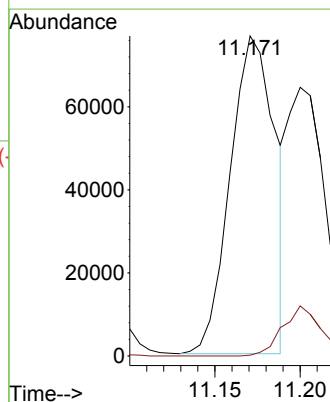
Acq: 10 May 2024 18:57

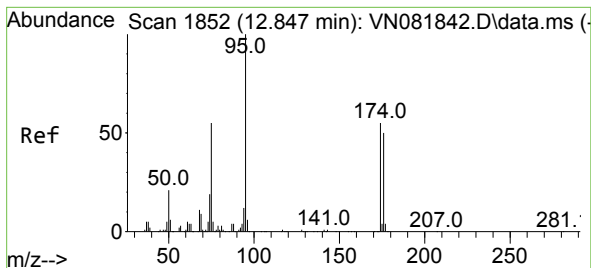
Tgt Ion: 43 Resp: 139655

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

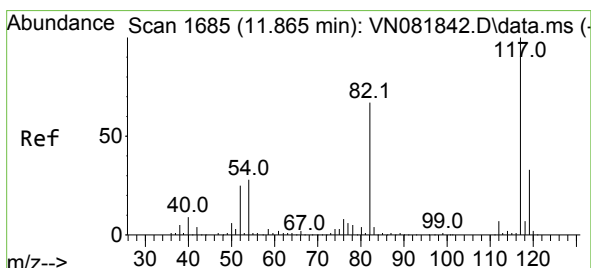
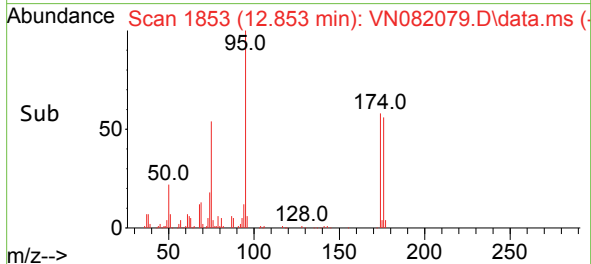
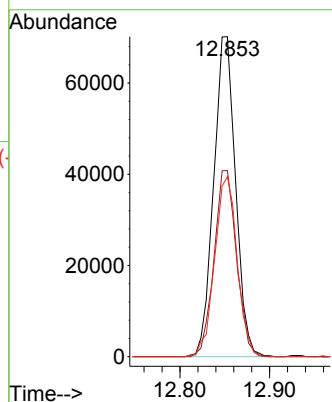
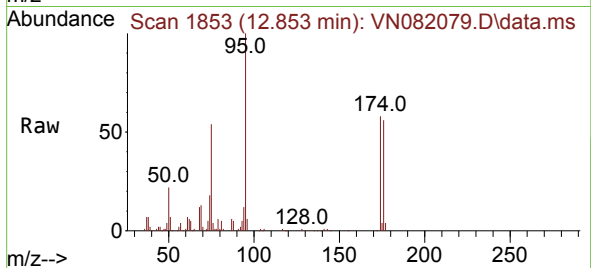




#62
4-Bromofluorobenzene
Concen: 45.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

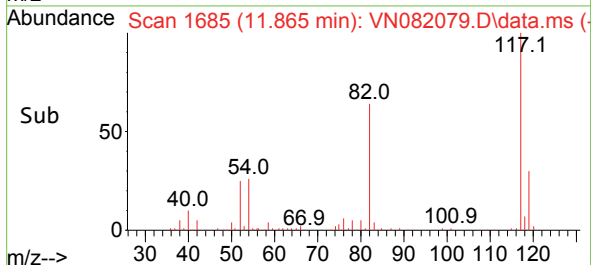
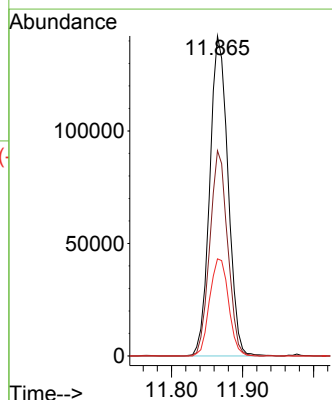
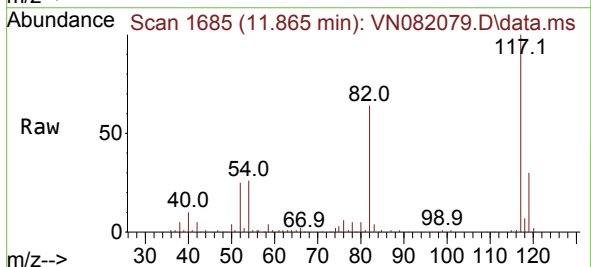
Instrument :
MSVOA_N
ClientSampleId :

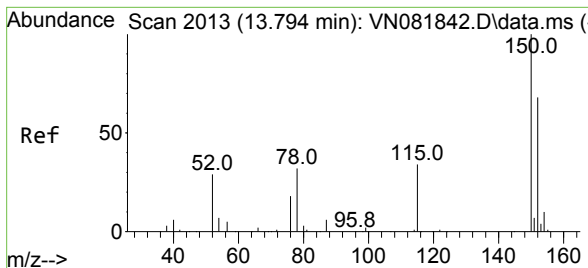
Tgt Ion: 95 Resp: 119005
Ion Ratio Lower Upper
95 100
174 59.6 0.0 160.6
176 57.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082079.D
Acq: 10 May 2024 18:57

Tgt Ion: 117 Resp: 253232
Ion Ratio Lower Upper
117 100
82 64.2 44.6 66.8
119 30.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

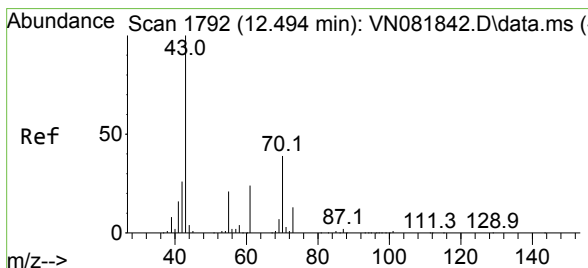
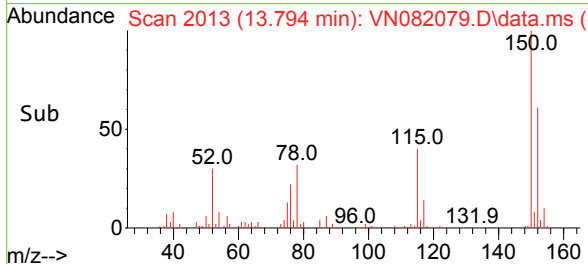
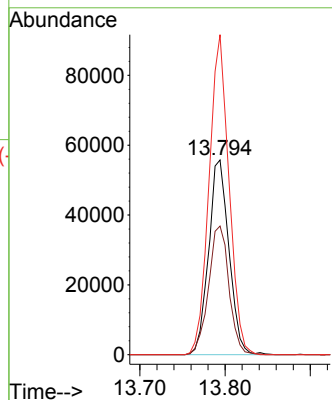
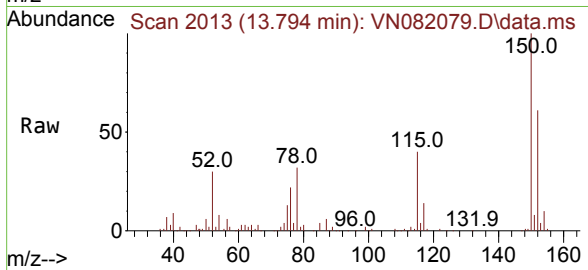
Tgt Ion:152 Resp: 92695

Ion Ratio Lower Upper

152 100

115 66.4 30.4 91.3

150 160.4 0.0 353.2



#74

N-ethyl acetate

Concen: 0.316 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Tgt Ion: 43 Resp: 1449

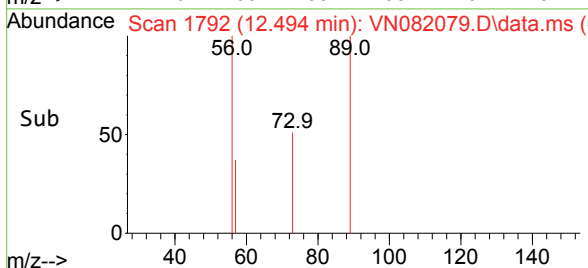
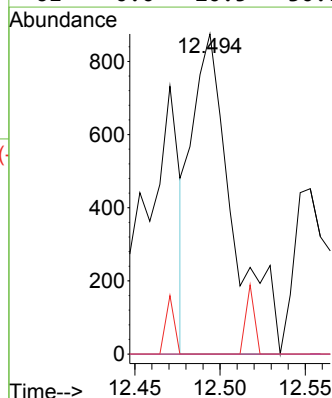
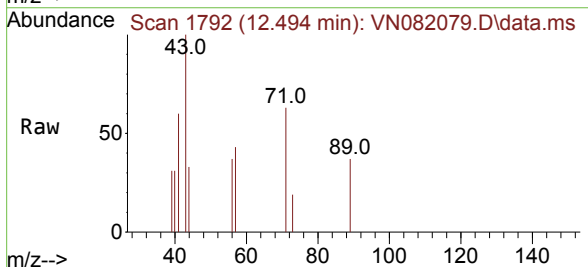
Ion Ratio Lower Upper

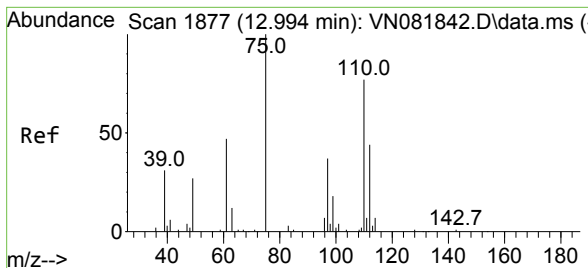
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 27.903 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Instrument :

MSVOA_N

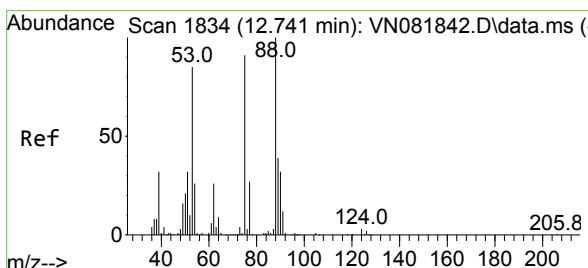
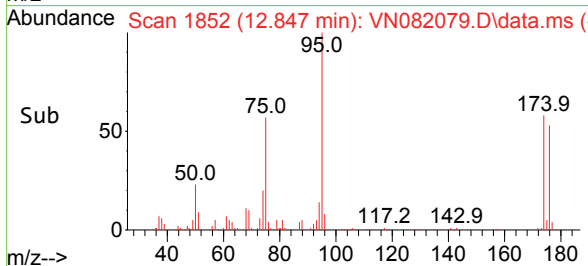
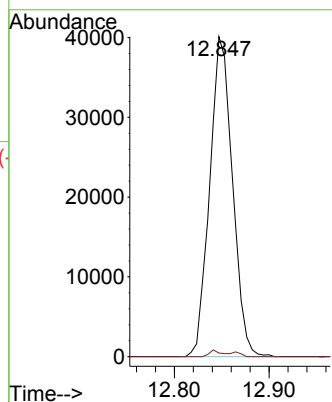
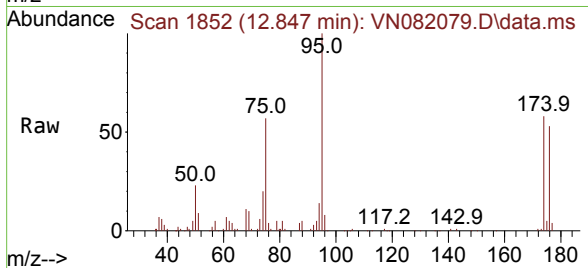
ClientSampleId :

Tgt Ion: 75 Resp: 67062

Ion Ratio Lower Upper

75 100

77 1.0 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.177 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082079.D

Acq: 10 May 2024 18:57

Tgt Ion: 75 Resp: 67062

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

