

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082059.D
 Acq On : 09 May 2024 18:34
 Operator : JC\MD
 Sample : P2414-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:55:34 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)

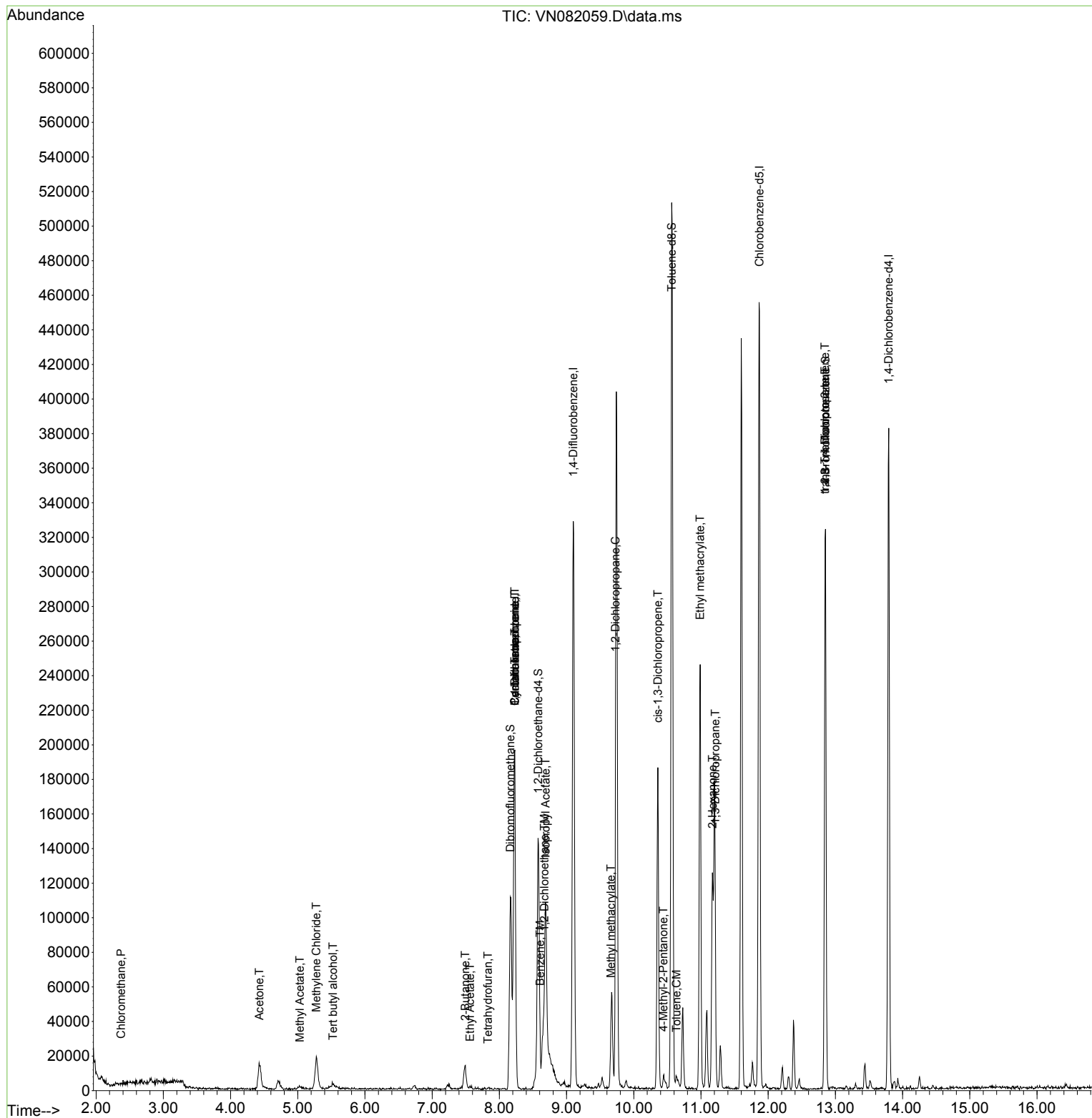
Internal Standards						
1) Pentafluorobenzene	8.230	168	129723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	242145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112422	51.349	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.700%	
35) Dibromofluoromethane	8.165	113	79836	49.385	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.760%	
50) Toluene-d8	10.565	98	344121	54.200	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.400%	
62) 4-Bromofluorobenzene	12.853	95	111749	44.524	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 89.040%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	387	0.204	ug/l #	43
5) Bromomethane	2.971	94	248	Below Cal	#	3
11) Tert butyl alcohol	5.524	59	3801	9.550	ug/l #	79
13) Acrolein	4.189	56	194	Below Cal	#	53
16) Acetone	4.430	43	27789	38.293	ug/l	94
18) Methyl Acetate	5.030	43	1984	0.895	ug/l #	67
20) Methylene Chloride	5.277	84	12652	6.743	ug/l #	82
25) 2-Butanone	7.494	43	22238	17.896	ug/l	98
29) Tetrahydrofuran	7.830	42	224	0.251	ug/l #	36
31) Cyclohexane	8.230	56	4315	1.308	ug/l #	62
36) 1,1-Dichloropropene	8.230	75	15061	5.727	ug/l #	45
37) Ethyl Acetate	7.565	43	3100	1.090	ug/l #	72
38) Carbon Tetrachloride	8.230	117	15456	6.013	ug/l #	17
40) Benzene	8.606	78	2187	0.277	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	650	0.222	ug/l #	73
43) Isopropyl Acetate	8.688	43	165637	30.979	ug/l #	72
45) 1,2-Dichloropropane	9.729	63	478	0.231	ug/l #	45
48) Methyl methacrylate	9.659	41	2876	1.127	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	8604	2.859	ug/l #	67
52) Toluene	10.635	92	2345	0.496	ug/l	81
54) cis-1,3-Dichloropropene	10.359	75	32982	9.765	ug/l #	73
56) Ethyl methacrylate	10.988	69	810	0.229	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	1621	0.490	ug/l #	42
59) 2-Hexanone	11.171	43	133127	59.431	ug/l #	23
76) 1,2,3-Trichloropropane	12.847	75	62575	26.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62575	54.602	ug/l #	13

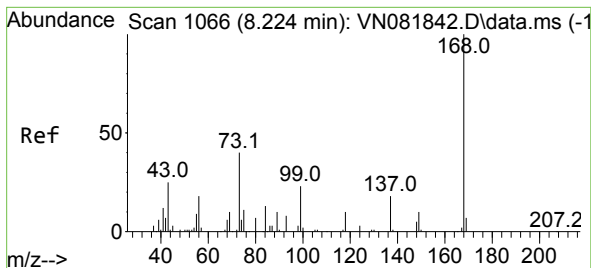
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 26 05:26:49 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

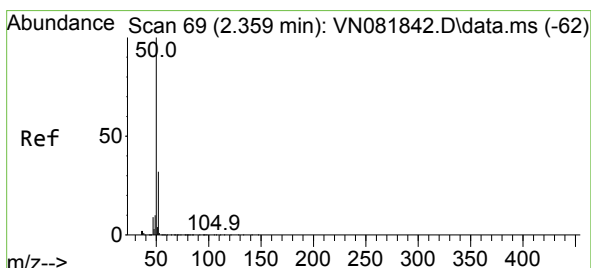
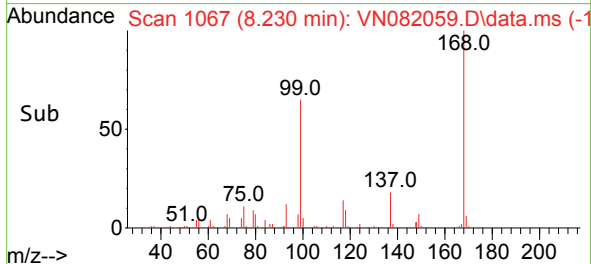
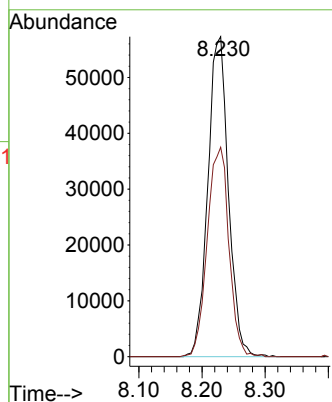
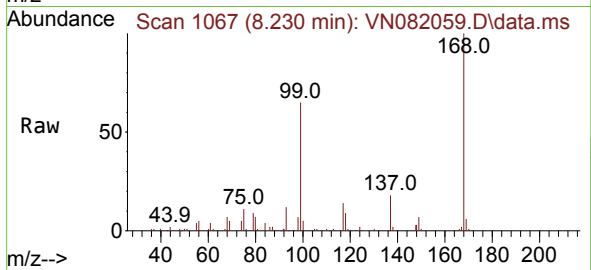
ClientSampleId :

Tgt Ion:168 Resp: 129723

Ion Ratio Lower Upper

168 100

99 65.4 48.2 72.4



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN082059.D

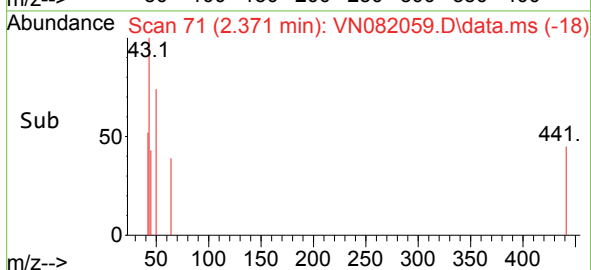
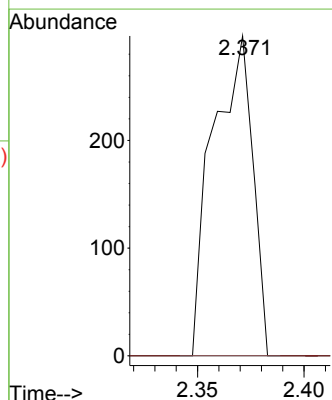
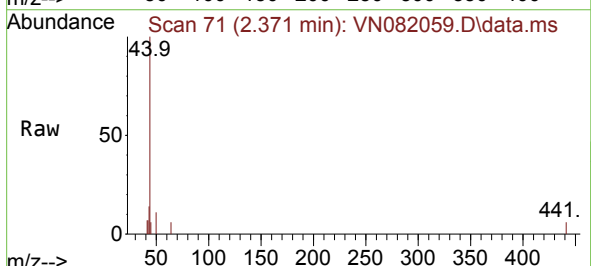
Acq: 09 May 2024 18:34

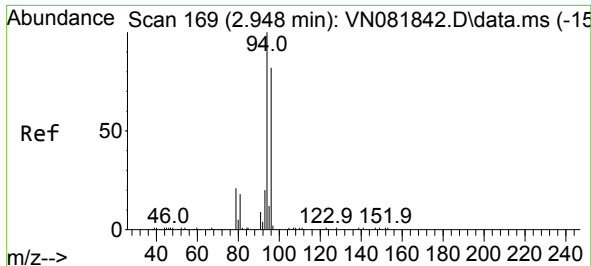
Tgt Ion: 50 Resp: 387

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

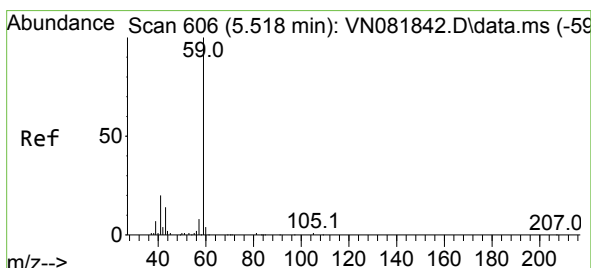
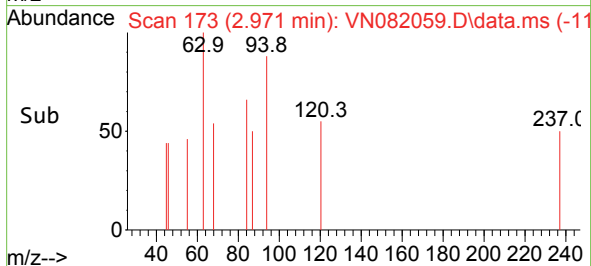
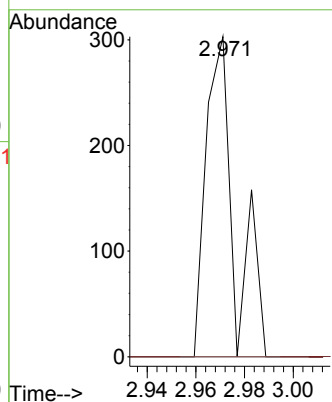
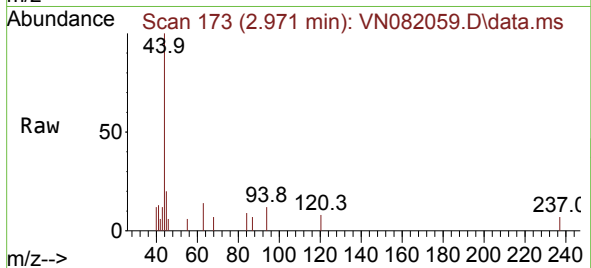




#5
Bromomethane
Concen: Below Cal
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

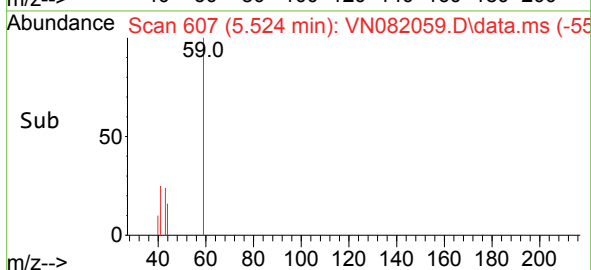
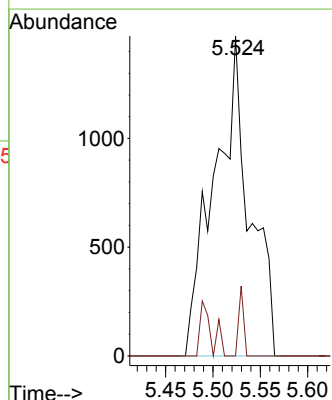
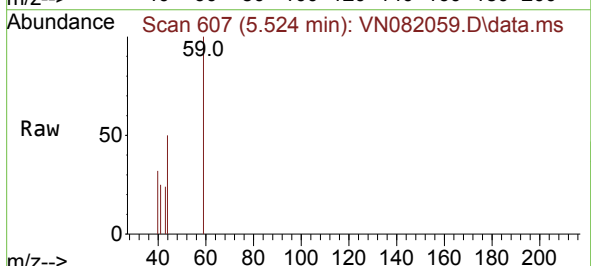
Instrument :
MSVOA_N
ClientSampleId :

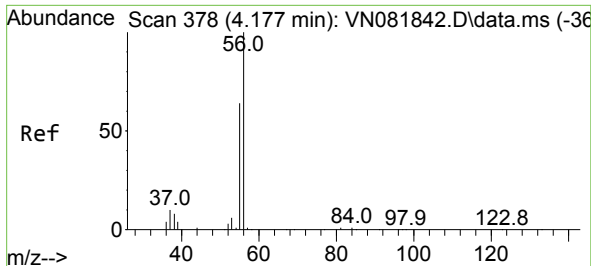
Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 9.550 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion: 59 Resp: 3801
Ion Ratio Lower Upper
59 100
57 3.0 8.9 13.3#

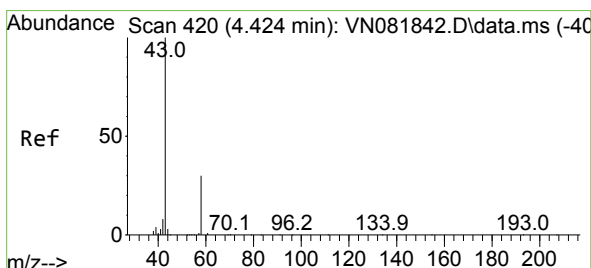
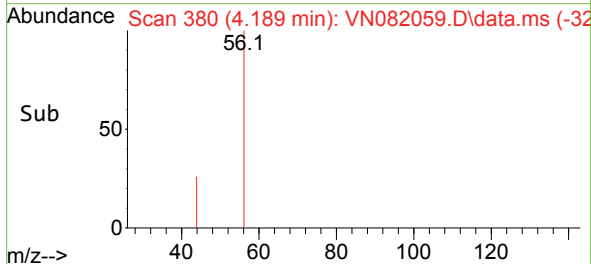
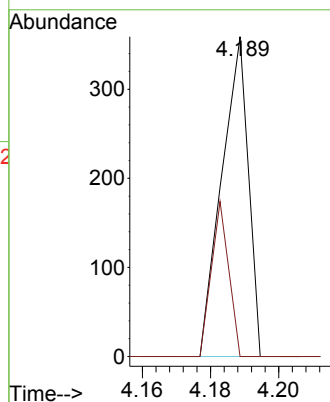
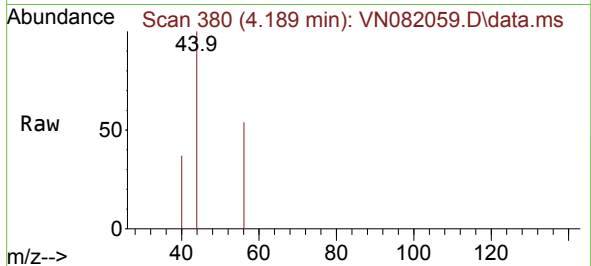




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

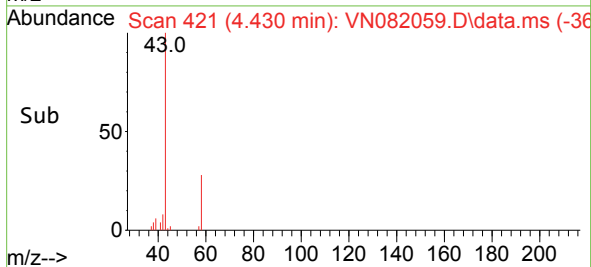
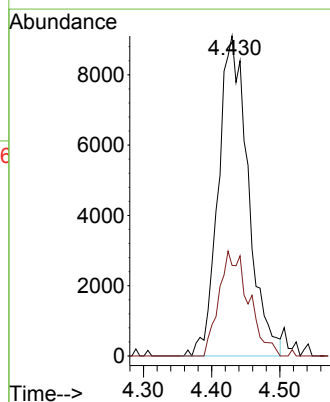
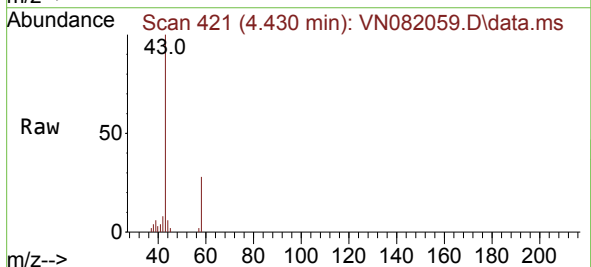
Instrument :
MSVOA_N
ClientSampleId :

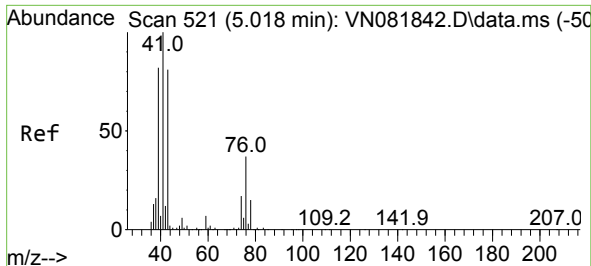
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 31.4 55.8 83.8#



#16
Acetone
Concen: 38.293 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

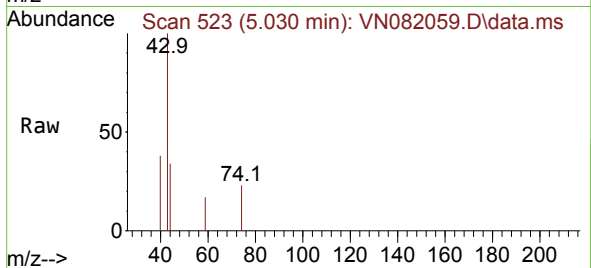
Tgt Ion: 43 Resp: 27789
Ion Ratio Lower Upper
43 100
58 28.3 25.2 37.8



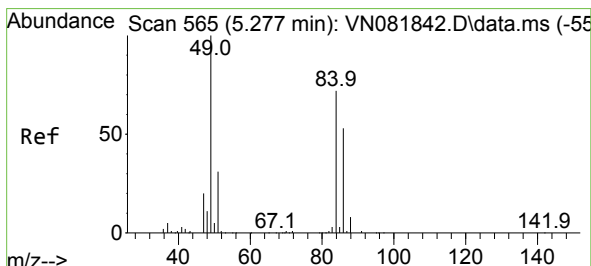
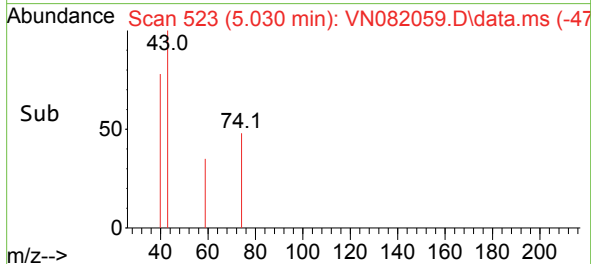
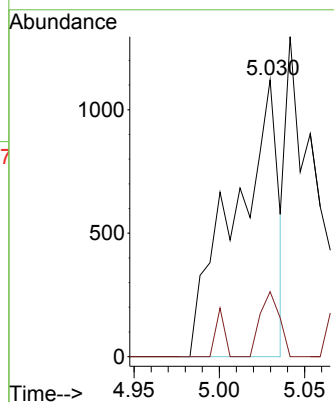


#18
Methyl Acetate
Concen: 0.895 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

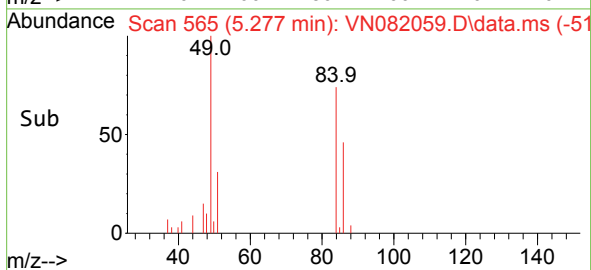
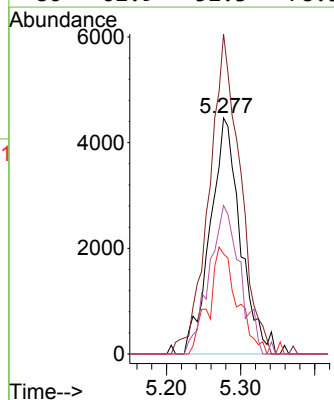
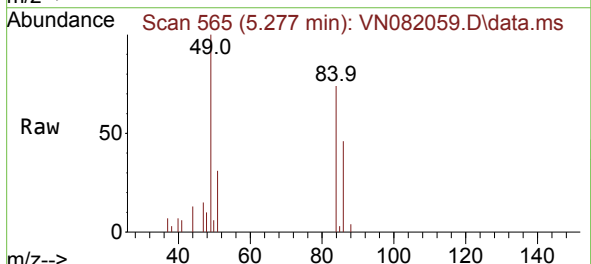


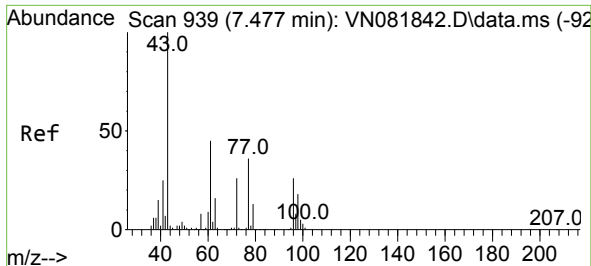
Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
74 10.6 22.2 33.2#



#20
Methylene Chloride
Concen: 6.743 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

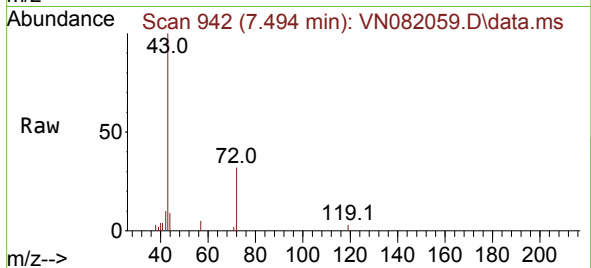
Tgt Ion: 84 Resp: 12652
Ion Ratio Lower Upper
84 100
49 135.6 84.9 127.3#
51 42.4 27.0 40.6#
86 62.9 52.3 78.5



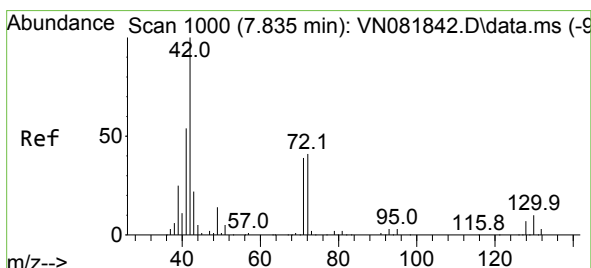
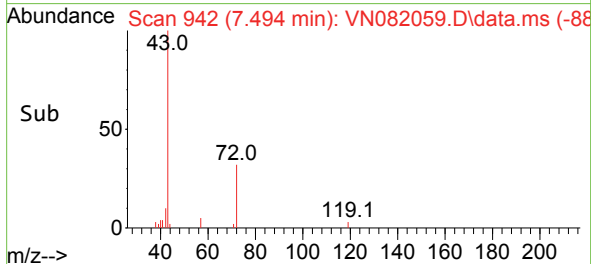
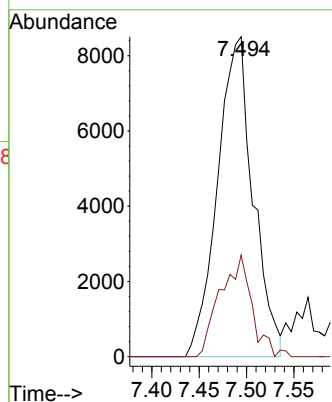


#25
2-Butanone
Concen: 17.896 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

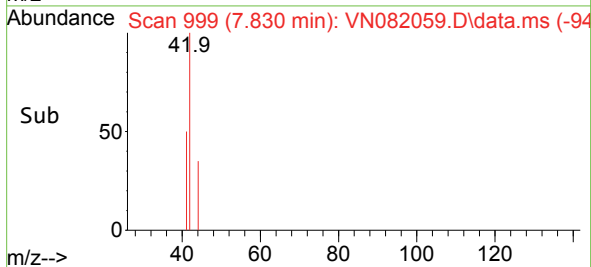
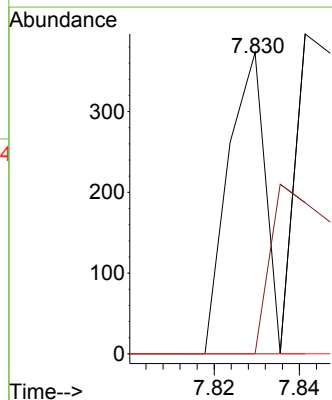
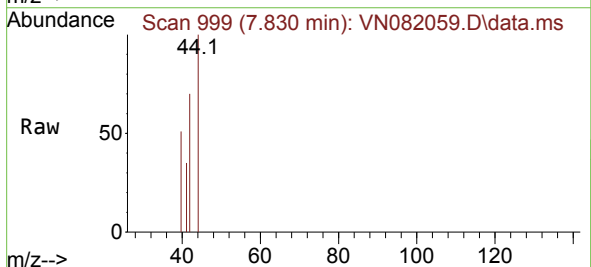


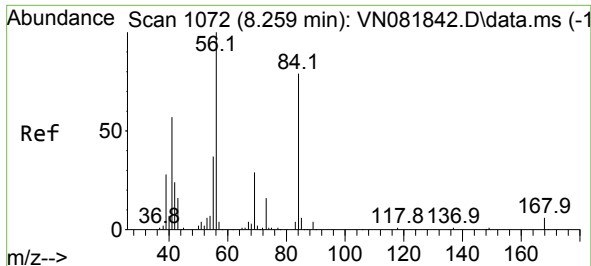
Tgt Ion: 43 Resp: 22238
Ion Ratio Lower Upper
43 100
72 32.6 25.3 37.9



#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

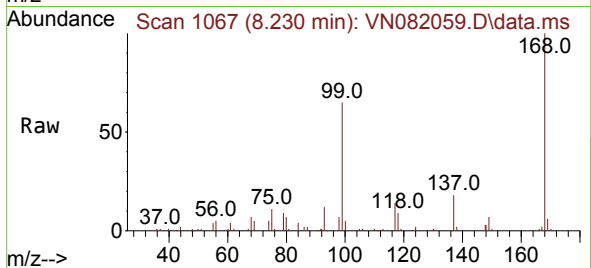
Tgt Ion: 42 Resp: 224
Ion Ratio Lower Upper
42 100
72 88.4 39.3 58.9#
71 0.0 37.4 56.0#



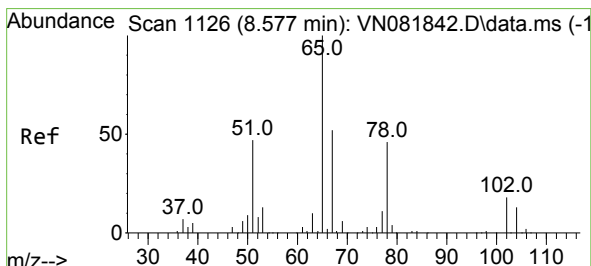
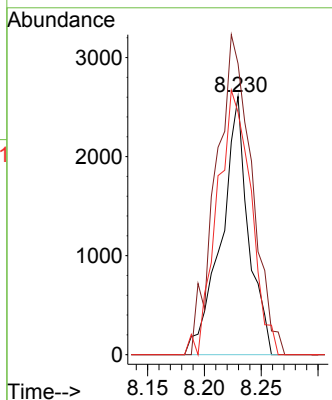
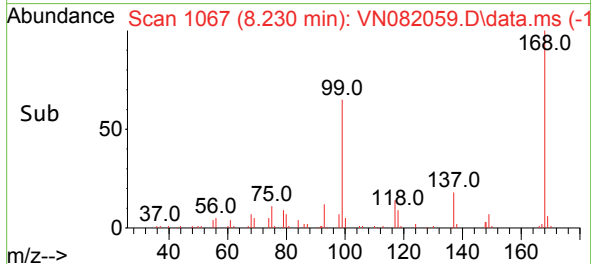


#31
Cyclohexane
Concen: 1.308 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

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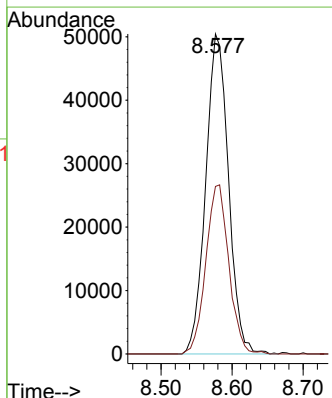
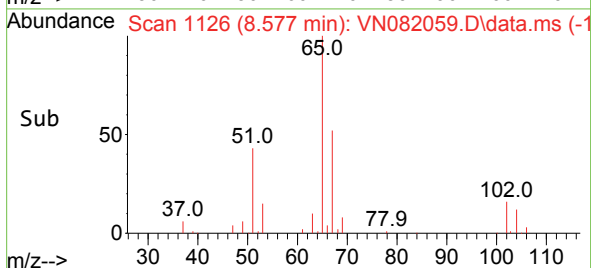
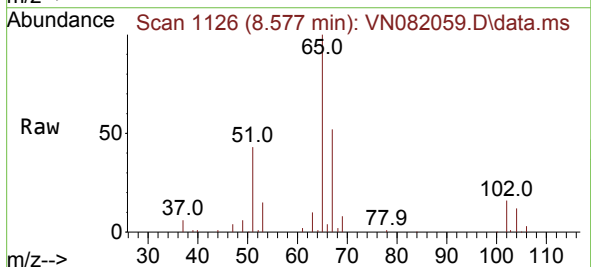


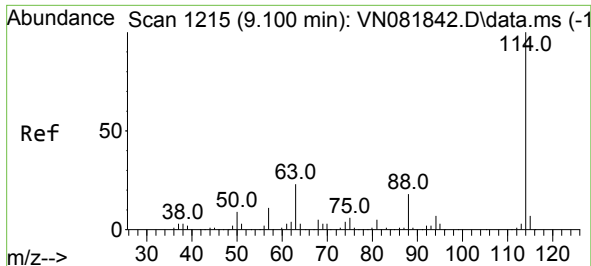
Tgt Ion: 56 Resp: 4315
Ion Ratio Lower Upper
56 100
69 112.7 24.4 36.6#
84 93.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.349 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion: 65 Resp: 112422
Ion Ratio Lower Upper
65 100
67 53.3 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: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

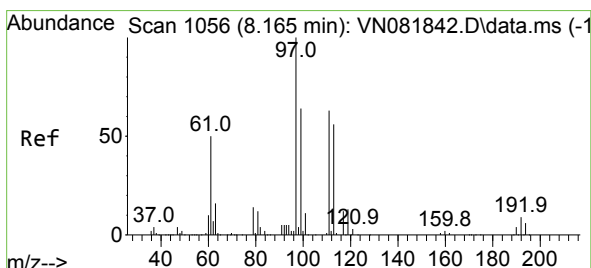
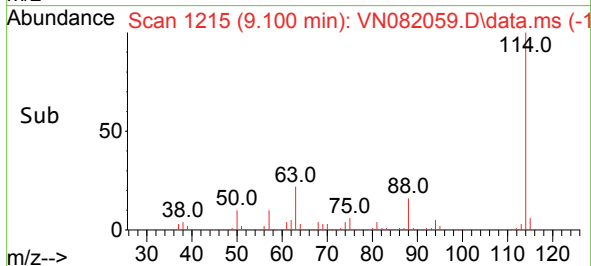
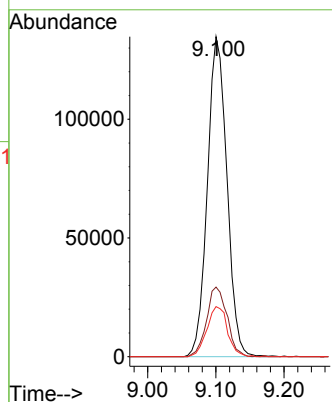
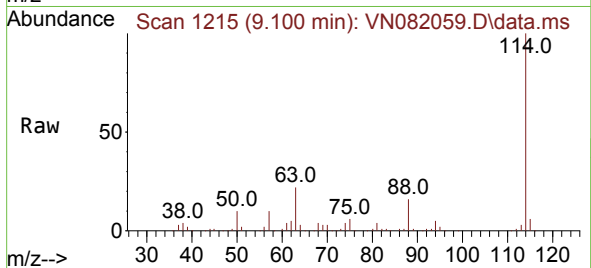
Tgt Ion:114 Resp: 268502

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.385 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

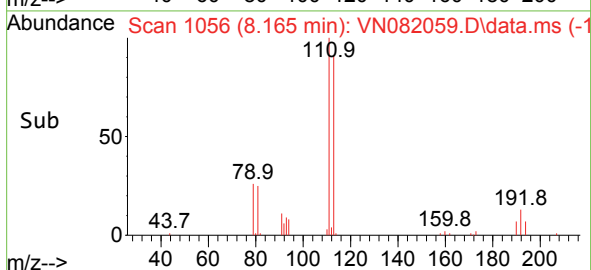
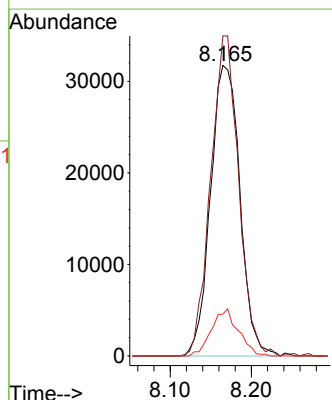
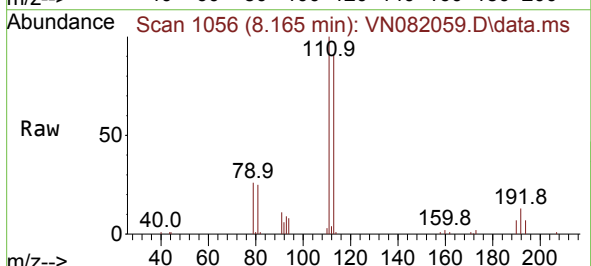
Tgt Ion:113 Resp: 79836

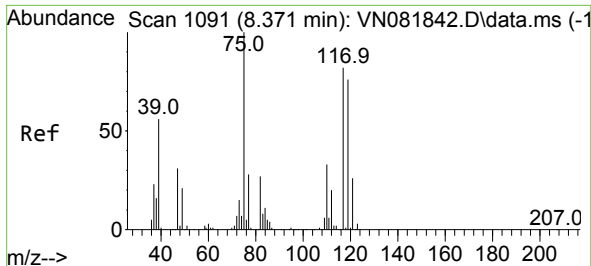
Ion Ratio Lower Upper

113 100

111 104.7 83.4 125.2

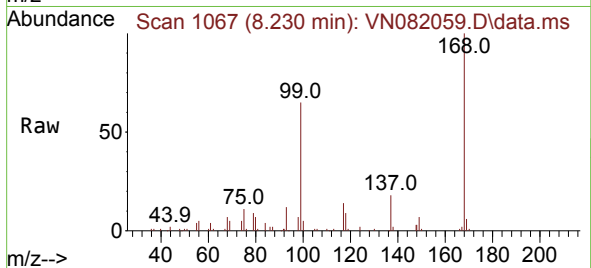
192 14.8 14.0 21.0



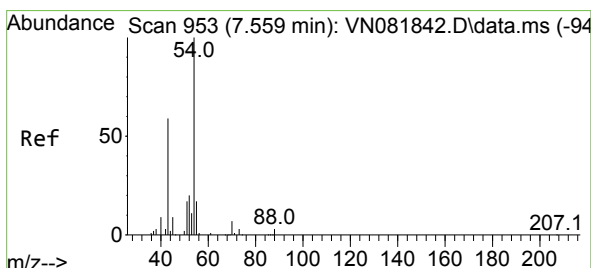
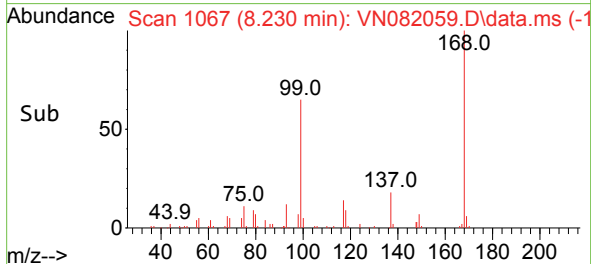
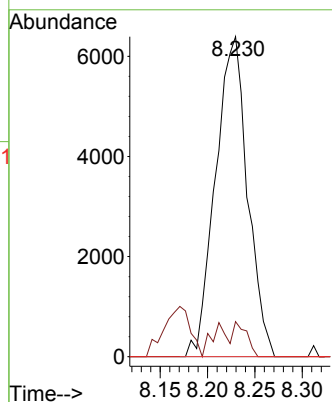


#36
1,1-Dichloropropene
Concen: 5.727 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

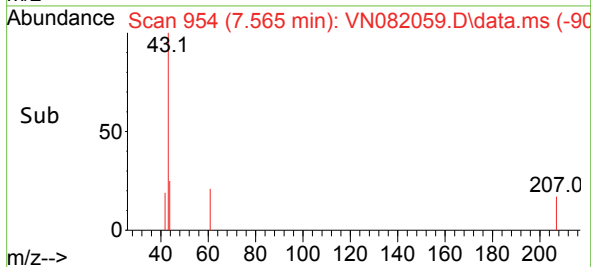
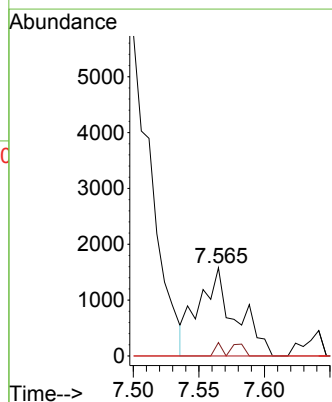
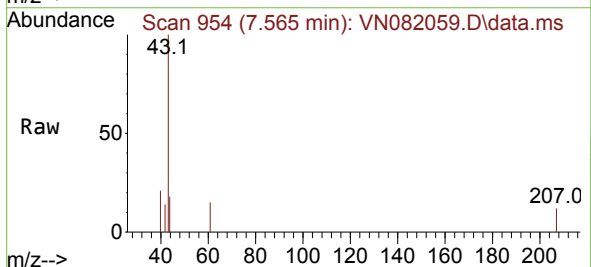


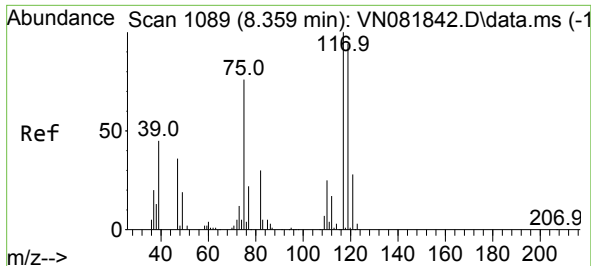
Tgt Ion: 75 Resp: 15061
Ion Ratio Lower Upper
75 100
110 4.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.090 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

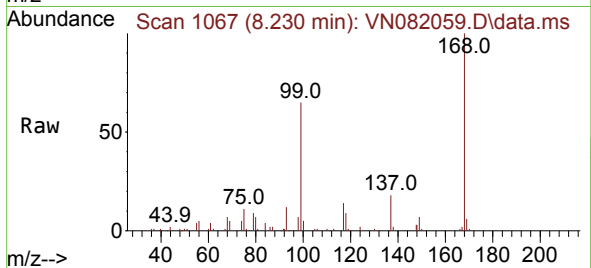
Tgt Ion: 43 Resp: 3100
Ion Ratio Lower Upper
43 100
61 2.7 11.3 16.9#
70 0.0 8.7 13.1#



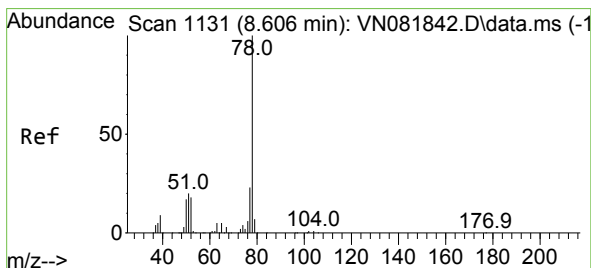
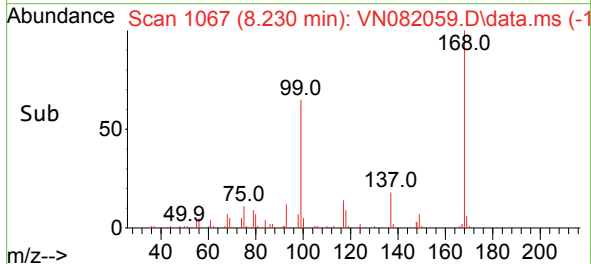
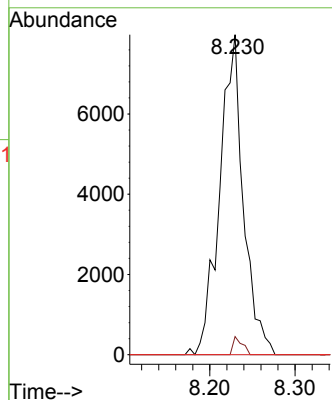


#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

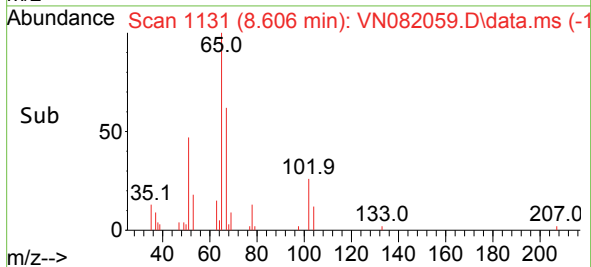
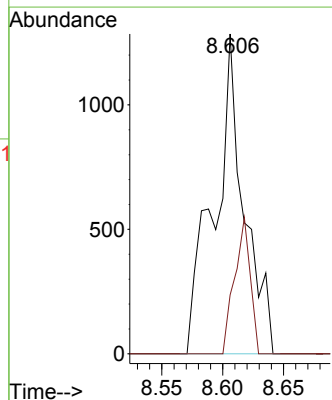
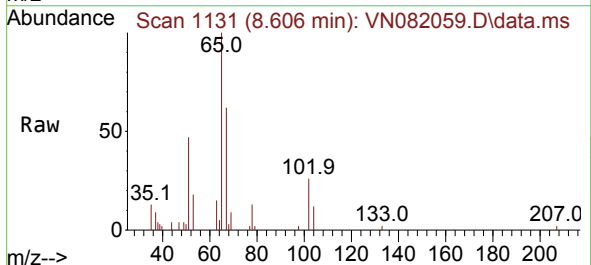


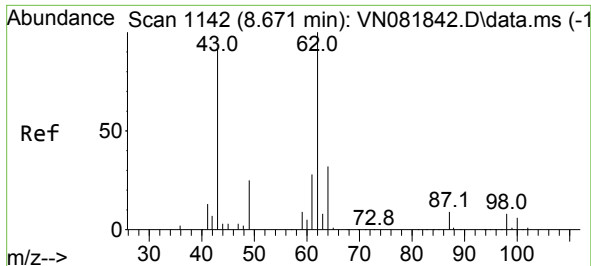
Tgt Ion:117 Resp: 15456
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 0.277 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion: 78 Resp: 2187
Ion Ratio Lower Upper
78 100
77 18.4 20.0 30.0#





#42

1,2-Dichloroethane

Concen: 0.222 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

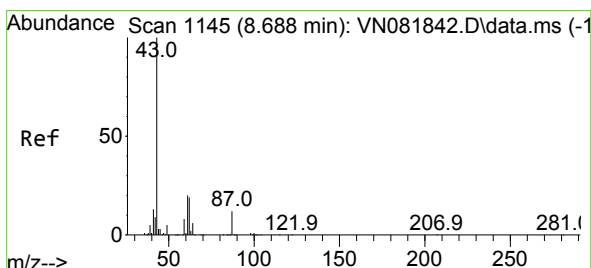
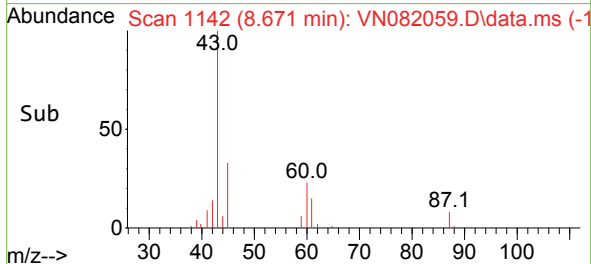
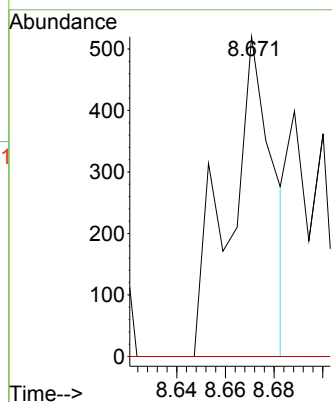
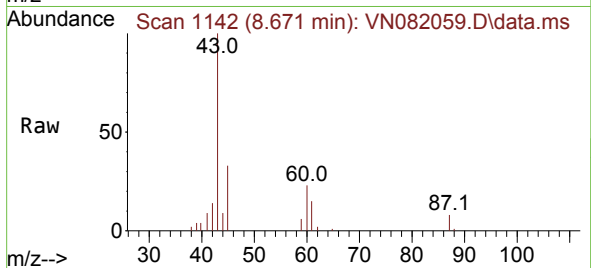
ClientSampleId :

Tgt Ion: 62 Resp: 650

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 30.979 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

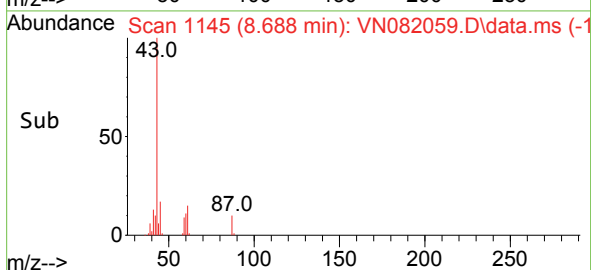
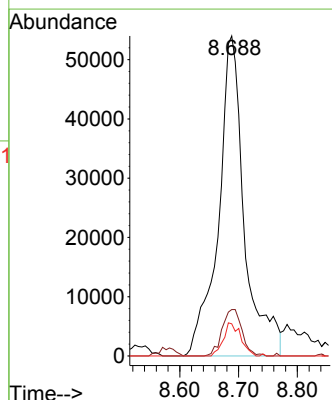
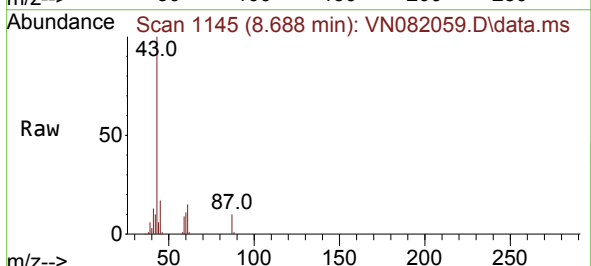
Tgt Ion: 43 Resp: 165637

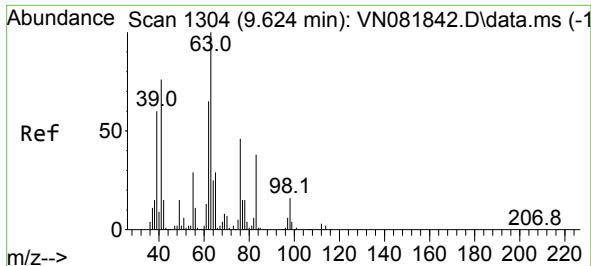
Ion Ratio Lower Upper

43 100

61 11.2 22.8 34.2#

87 6.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.231 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

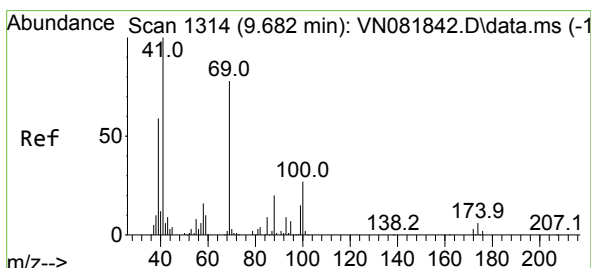
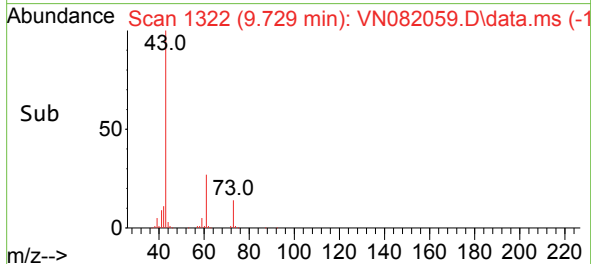
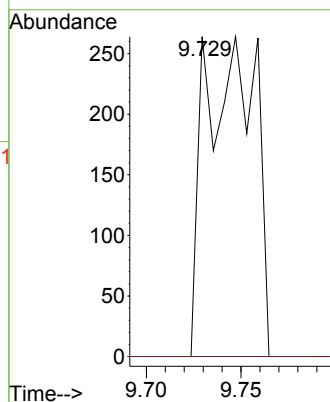
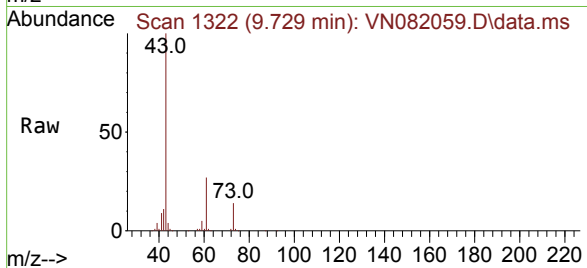
ClientSampleId :

Tgt Ion: 63 Resp: 478

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.127 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.024 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

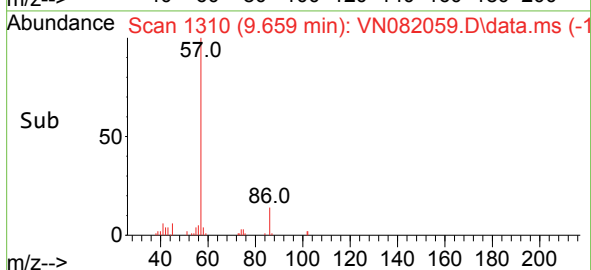
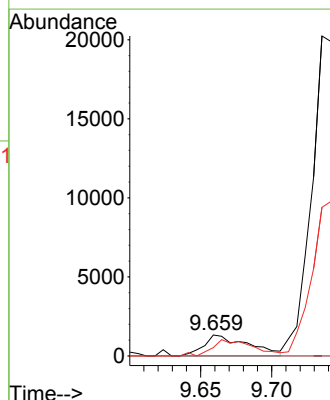
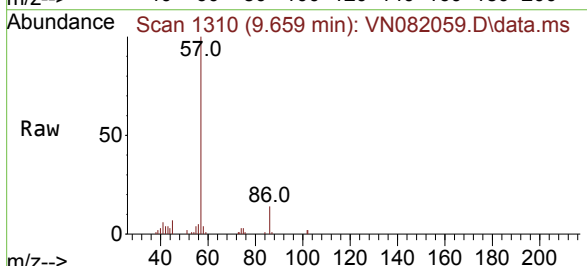
Tgt Ion: 41 Resp: 2876

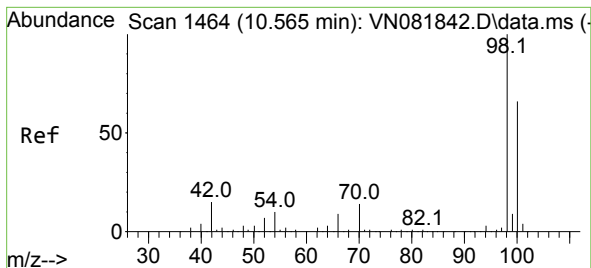
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 71.5 50.9 76.3





#50

Toluene-d8

Concen: 54.200 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

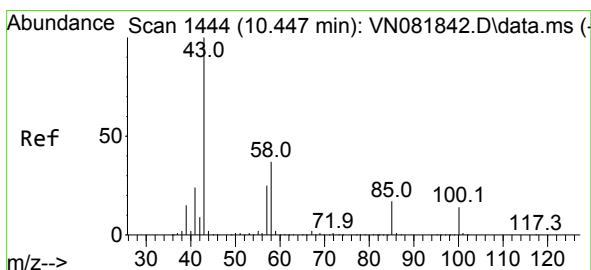
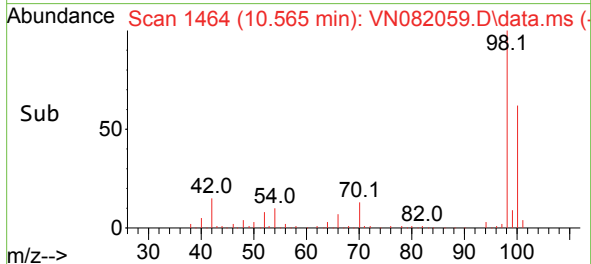
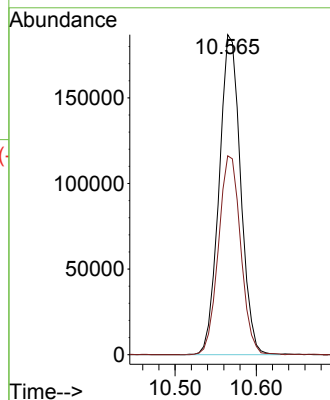
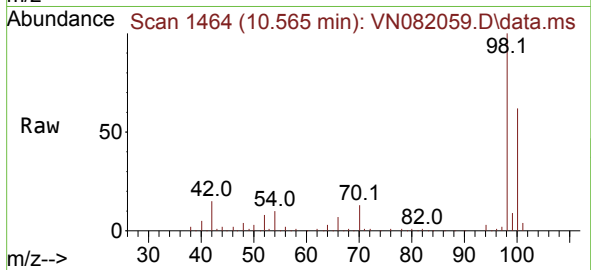
ClientSampleId :

Tgt Ion: 98 Resp: 344121

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6



#51

4-Methyl-2-Pentanone

Concen: 2.859 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN082059.D

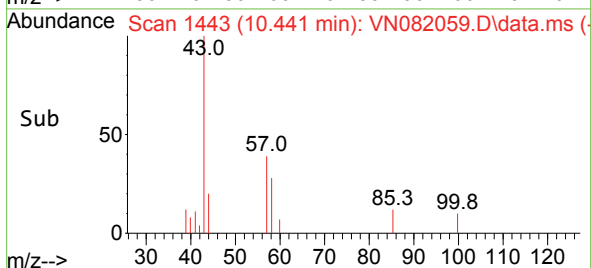
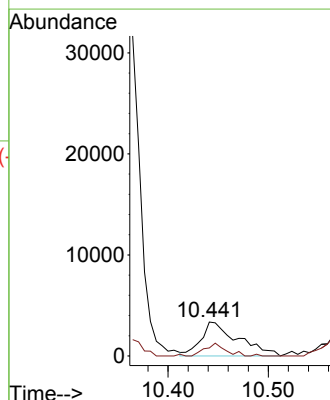
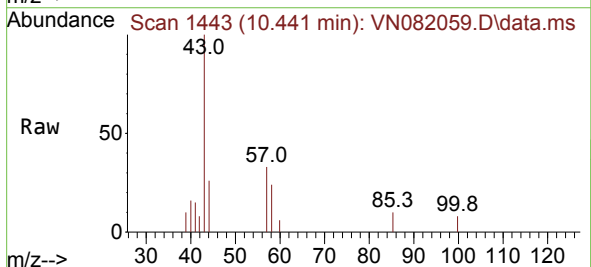
Acq: 09 May 2024 18:34

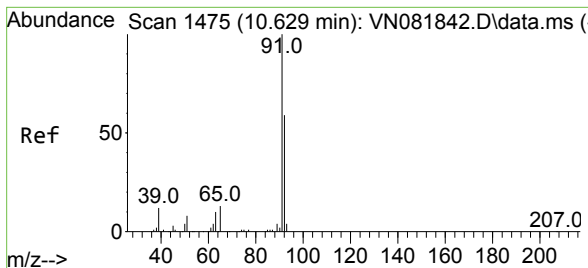
Tgt Ion: 43 Resp: 8604

Ion Ratio Lower Upper

43 100

58 20.5 33.2 49.8#





#52

Toluene

Concen: 0.496 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

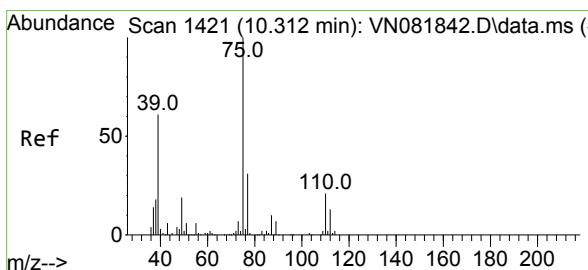
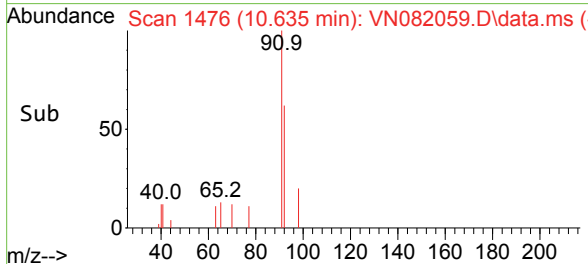
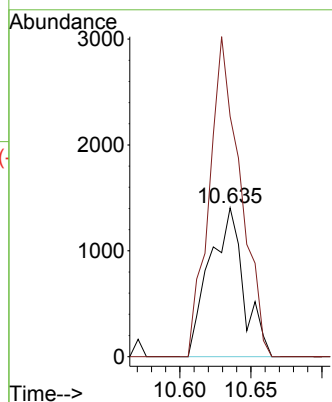
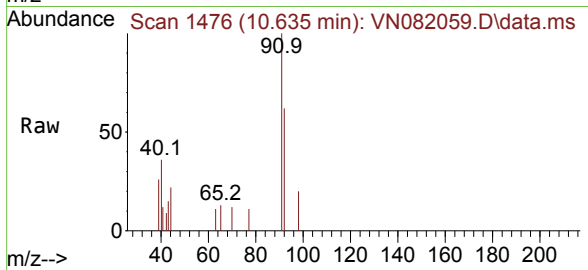
ClientSampleId :

Tgt Ion: 92 Resp: 2345

Ion Ratio Lower Upper

92 100

91 196.7 136.7 205.1



#54

cis-1,3-Dichloropropene

Concen: 9.765 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN082059.D

Acq: 09 May 2024 18:34

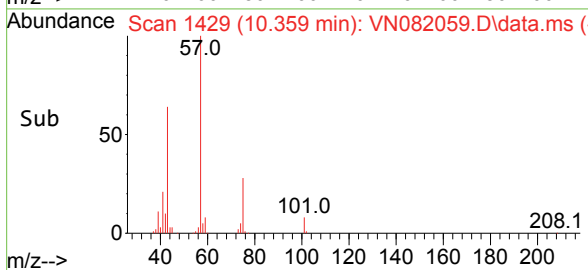
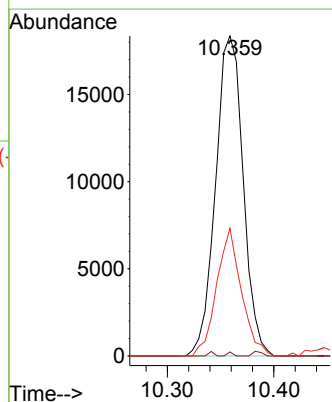
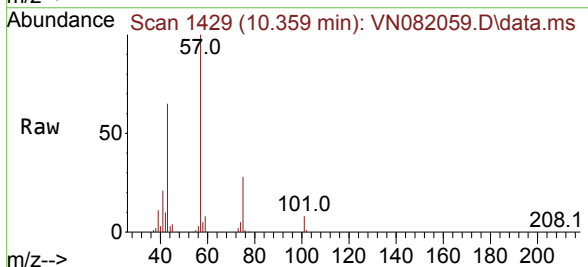
Tgt Ion: 75 Resp: 32982

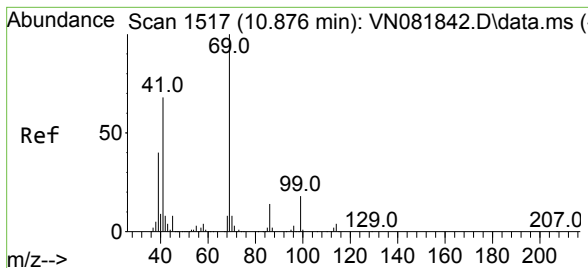
Ion Ratio Lower Upper

75 100

77 1.3 25.0 37.4#

39 38.6 34.8 52.2





#56

Ethyl methacrylate

Concen: 0.229 ug/l

RT: 10.988 min Scan# 1536

Delta R.T. 0.112 min

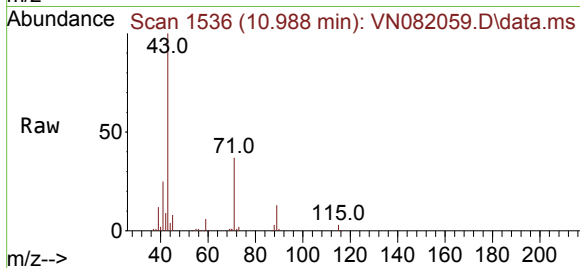
Lab File: VN082059.D

Acq: 09 May 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :



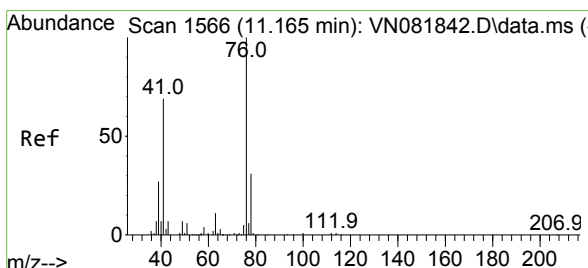
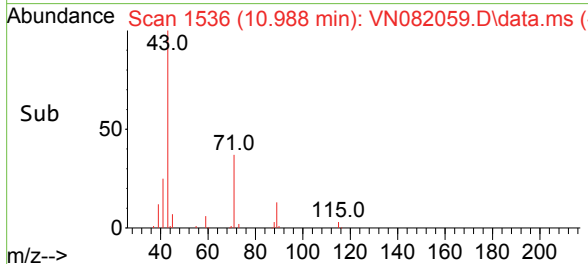
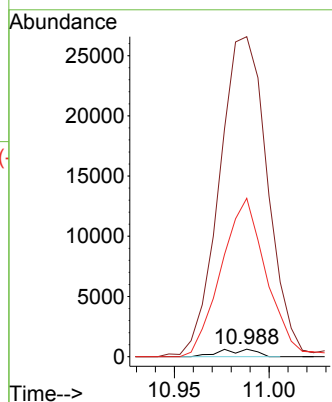
Tgt Ion: 69 Resp: 810

Ion Ratio Lower Upper

69 100

41 5853.7 46.6 70.0#

39 2705.1 26.5 39.7#



#57

1,3-Dichloropropane

Concen: 0.490 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN082059.D

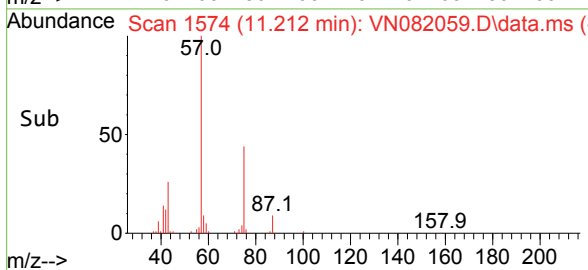
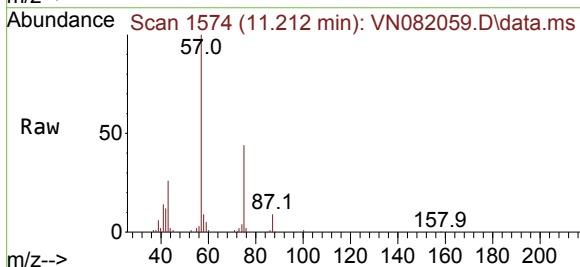
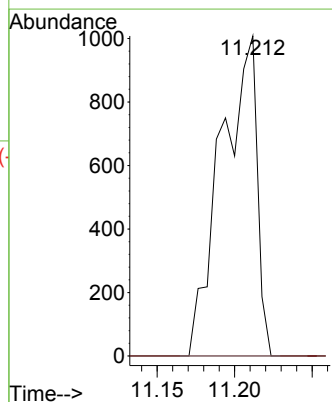
Acq: 09 May 2024 18:34

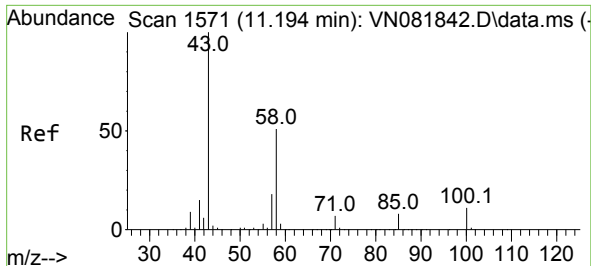
Tgt Ion: 76 Resp: 1621

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

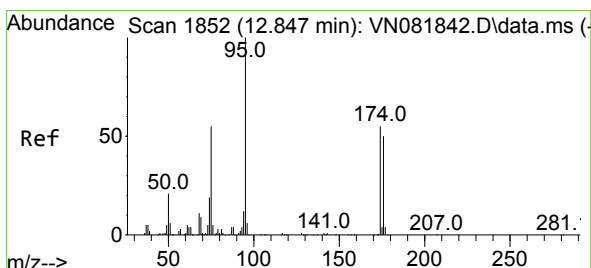
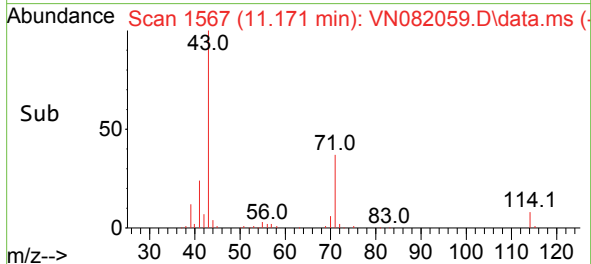
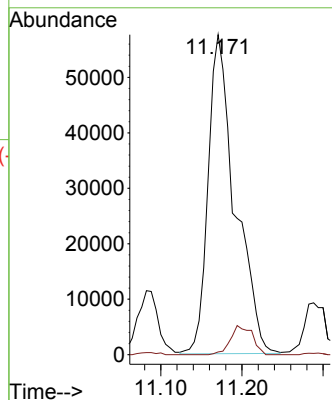
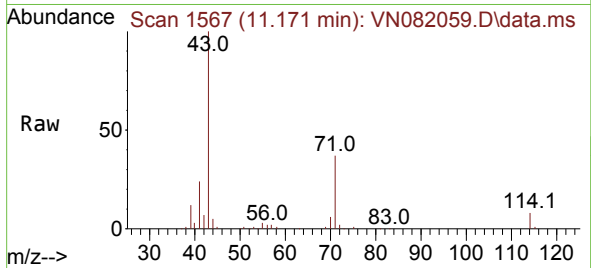




#59
2-Hexanone
Concen: 59.431 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

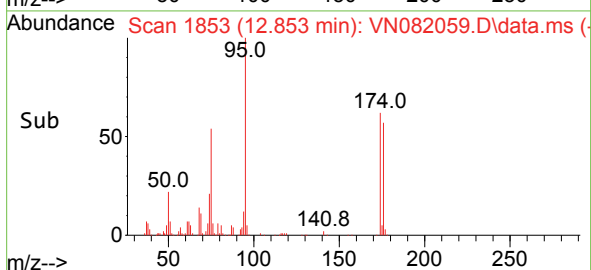
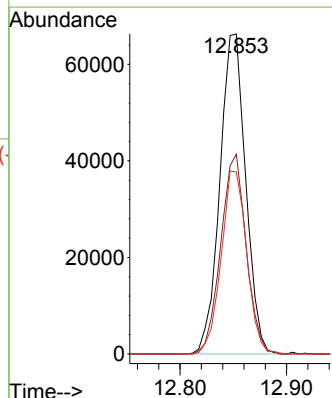
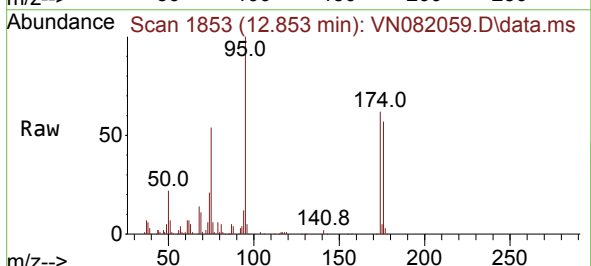
Instrument :
MSVOA_N
ClientSampleId :

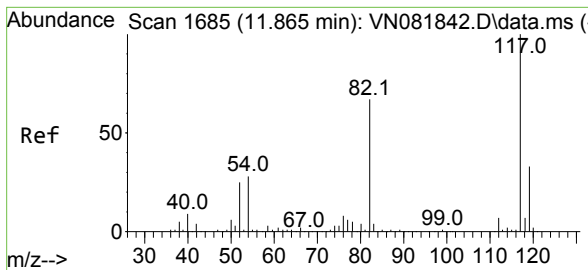
Tgt Ion: 43 Resp: 133127
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 44.524 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion: 95 Resp: 111749
Ion Ratio Lower Upper
95 100
174 61.4 0.0 160.6
176 56.4 0.0 152.8

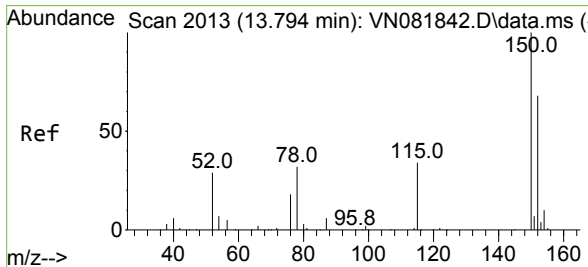
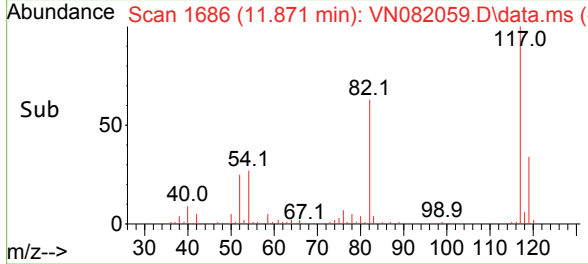
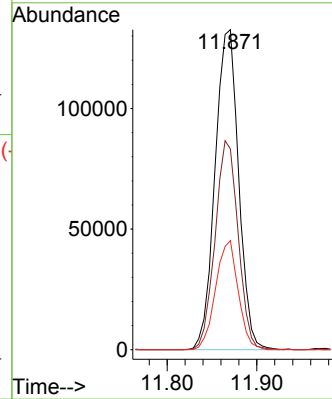
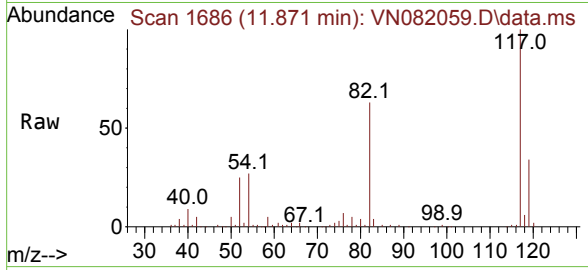




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

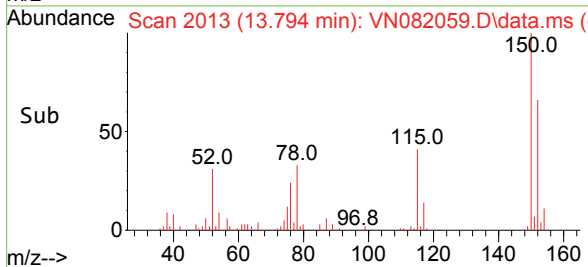
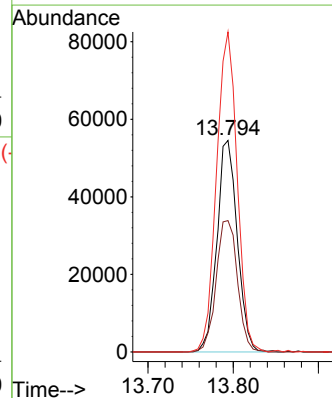
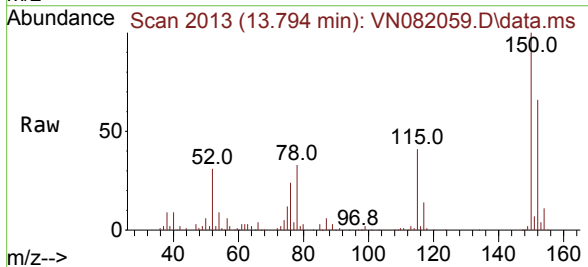
Instrument :
MSVOA_N
ClientSampleId :

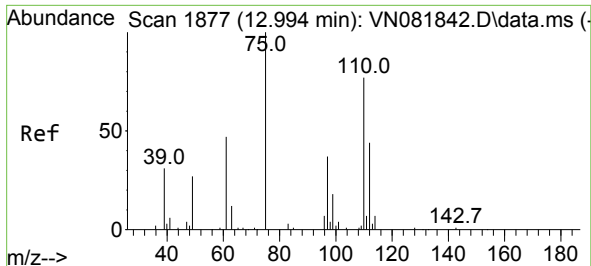
Tgt Ion:117 Resp: 242145
Ion Ratio Lower Upper
117 100
82 62.7 44.6 66.8
119 34.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion:152 Resp: 90572
Ion Ratio Lower Upper
152 100
115 65.2 30.4 91.3
150 153.1 0.0 353.2

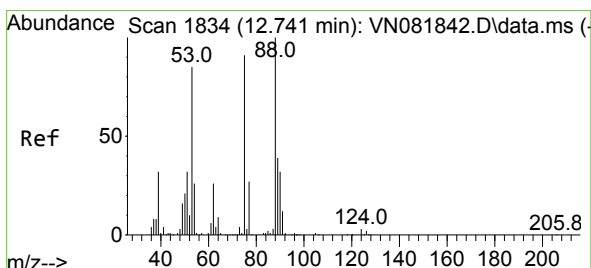
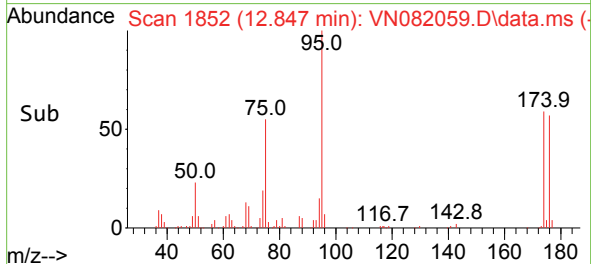
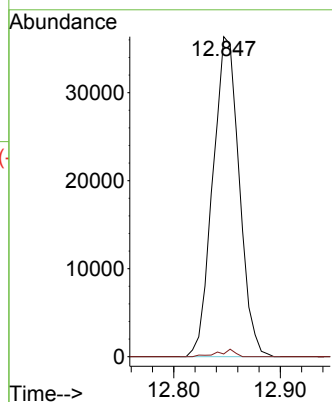
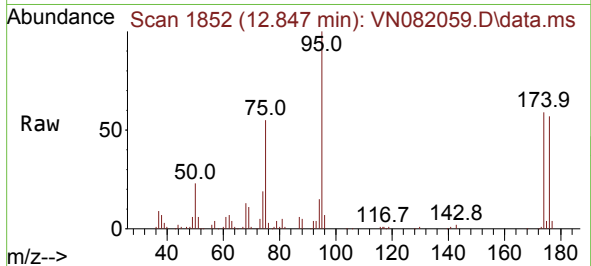




#76
1,2,3-Trichloropropane
Concen: 26.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 62575
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.602 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082059.D
Acq: 09 May 2024 18:34

Tgt Ion: 75 Resp: 62575
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.0 39.1 58.7#

