

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082077.D
 Acq On : 10 May 2024 18:10
 Operator : JC\MD
 Sample : P2422-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:26:31 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)

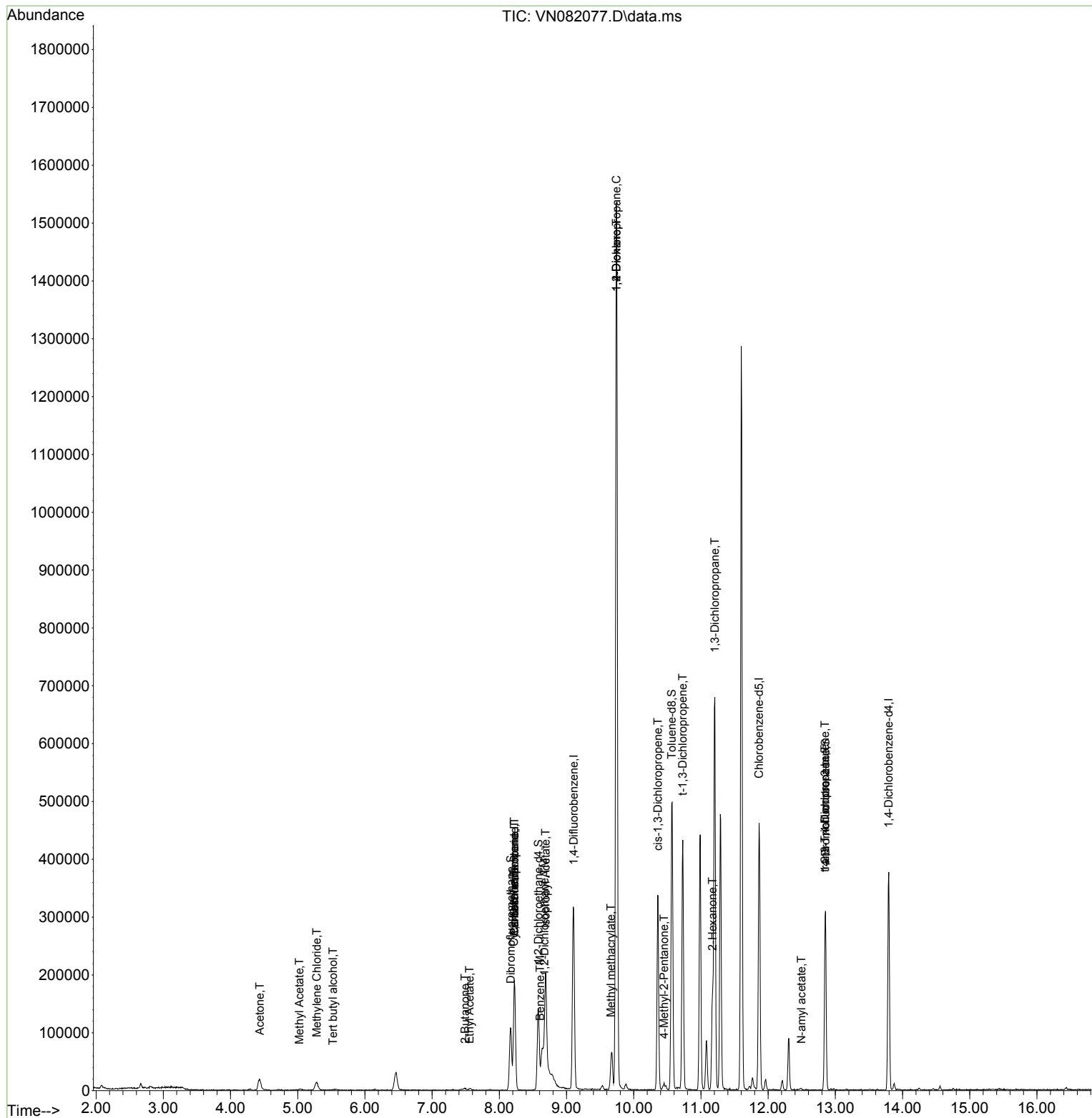
Internal Standards						
1) Pentafluorobenzene	8.224	168	117820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	261351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	110425	55.532	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.060%			
35) Dibromofluoromethane	8.171	113	76217	48.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.565	98	330249	53.438	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.880%			
62) 4-Bromofluorobenzene	12.853	95	111653	45.703	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 91.400%			
Target Compounds						Qvalue
5) Bromomethane	2.983	94	94	Below Cal	#	3
11) Tert butyl alcohol	5.524	59	79	0.219	ug/l #	71
13) Acrolein	4.183	56	320	Below Cal	#	69
16) Acetone	4.436	43	37171	59.038	ug/l	97
18) Methyl Acetate	5.024	43	1833	0.910	ug/l	92
20) Methylene Chloride	5.283	84	10117	5.937	ug/l #	94
25) 2-Butanone	7.489	43	5446	4.825	ug/l #	61
31) Cyclohexane	8.218	56	4128	1.378	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	14296	5.584	ug/l #	49
37) Ethyl Acetate	7.559	43	4564	1.649	ug/l #	88
38) Carbon Tetrachloride	8.224	117	13235	5.290	ug/l #	18
40) Benzene	8.606	78	6663	0.867	ug/l	100
42) 1,2-Dichloroethane	8.671	62	633	0.222	ug/l #	73
43) Isopropyl Acetate	8.688	43	361925	69.542	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	2063	1.026	ug/l #	45
48) Methyl methacrylate	9.659	41	4593	1.849	ug/l #	38
49) 1,4-Dioxane	9.741	88	128	3.390	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	8125	2.773	ug/l #	77
53) t-1,3-Dichloropropene	10.730	75	1034	0.324	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	56553	17.202	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	7382	2.294	ug/l #	42
59) 2-Hexanone	11.171	43	139325	63.900	ug/l #	23
74) N-amyl acetate	12.494	43	1848	0.425	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	62507	27.418	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62507	56.184	ug/l #	12

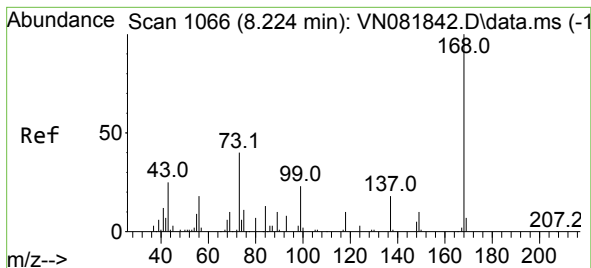
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
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Instrument :
MSVOA_N
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Quant Time: May 10 23:26:31 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# 11

Delta R.T. -0.000 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

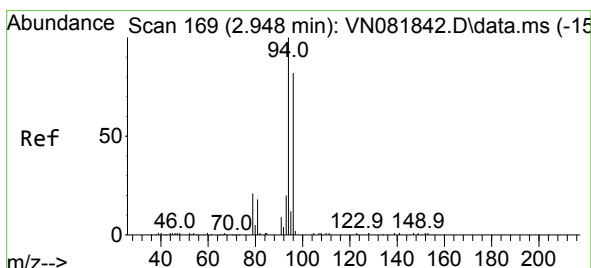
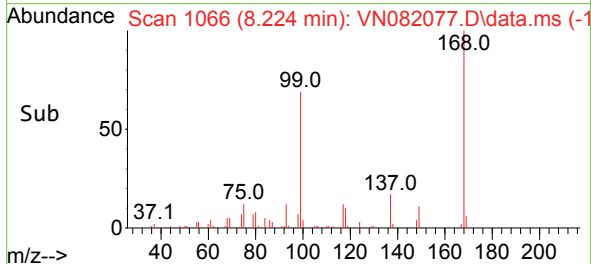
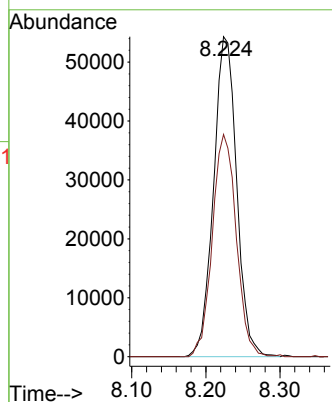
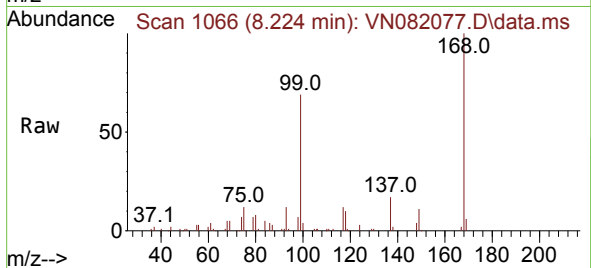
ClientSampleId :

Tgt Ion:168 Resp: 117820

Ion Ratio Lower Upper

168 100

99 69.5 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN082077.D

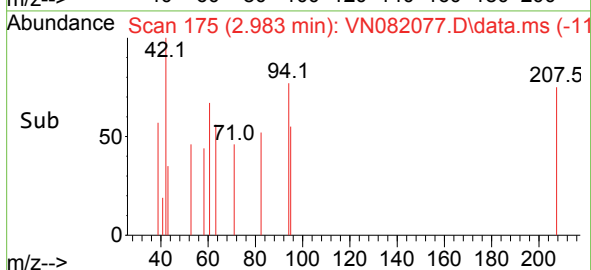
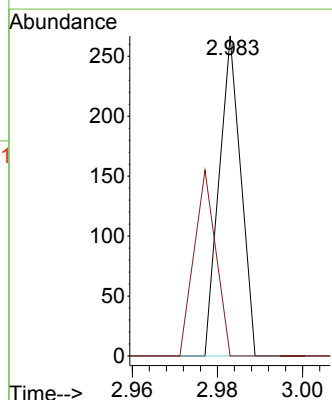
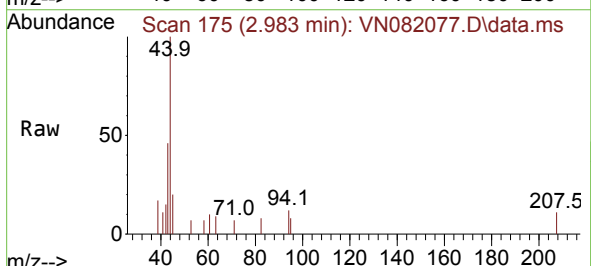
Acq: 10 May 2024 18:10

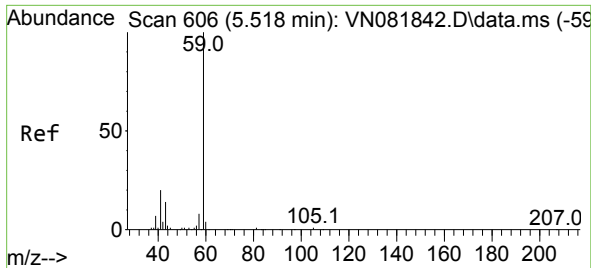
Tgt Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

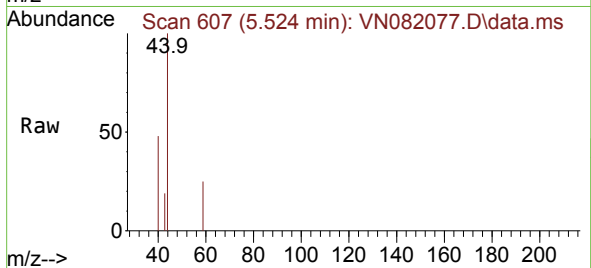
96 0.0 74.8 112.2#



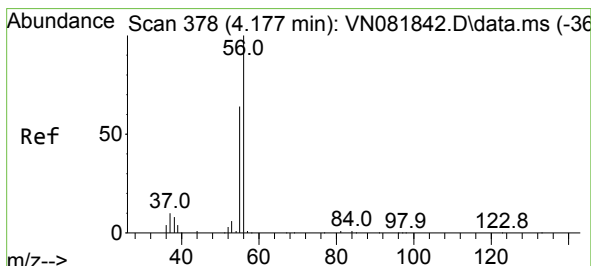
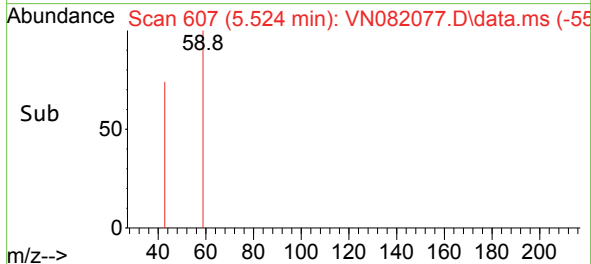
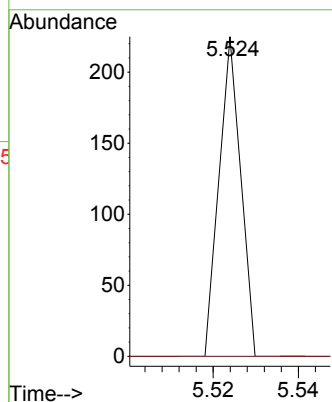


#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

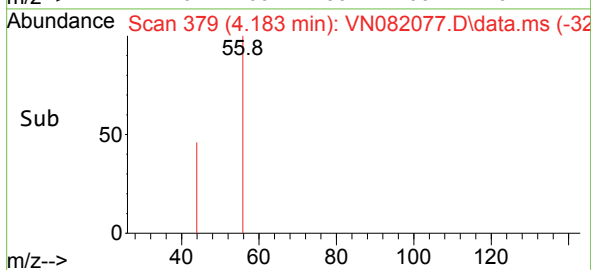
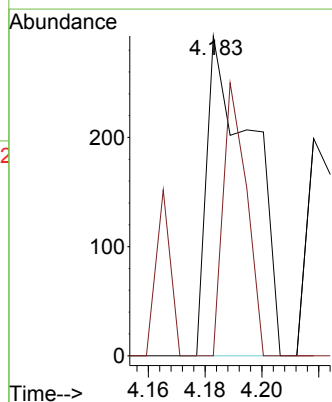
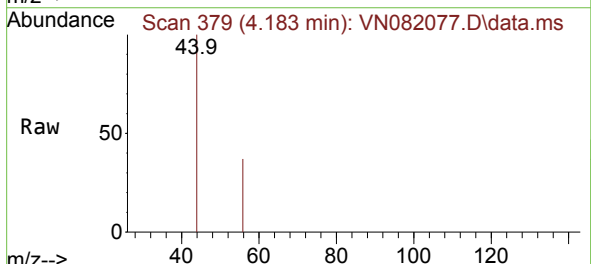


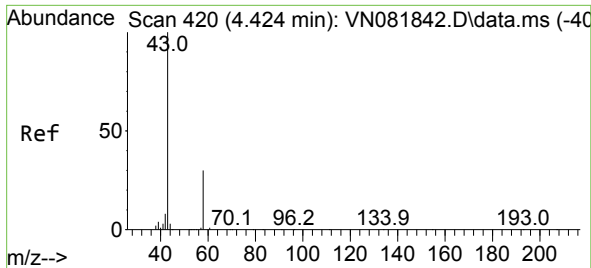
Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

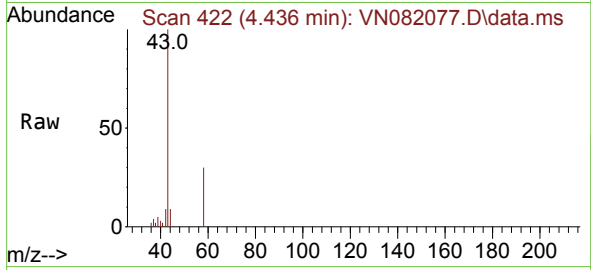
Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 44.7 55.8 83.8#



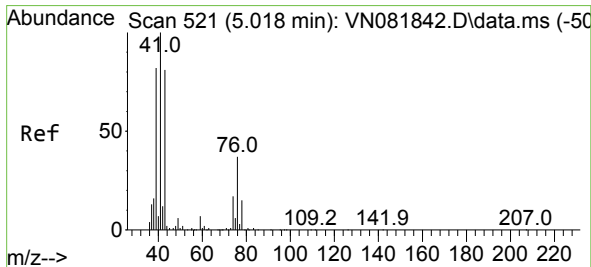
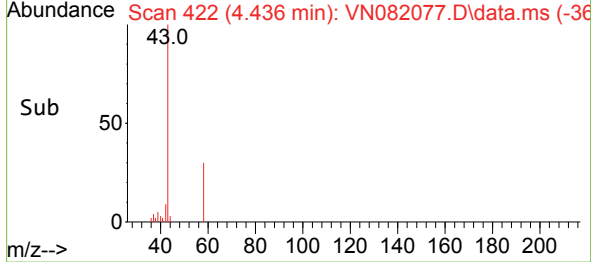
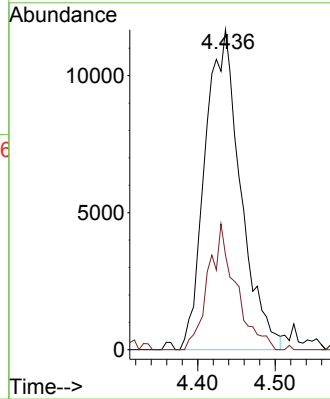


#16
Acetone
Concen: 59.038 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

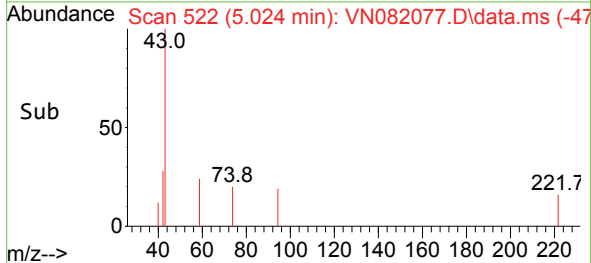
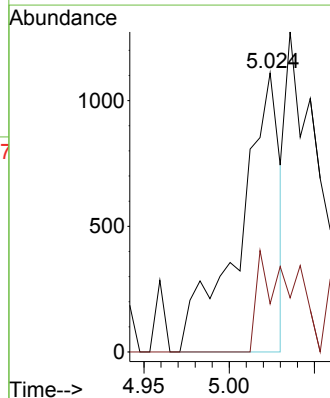
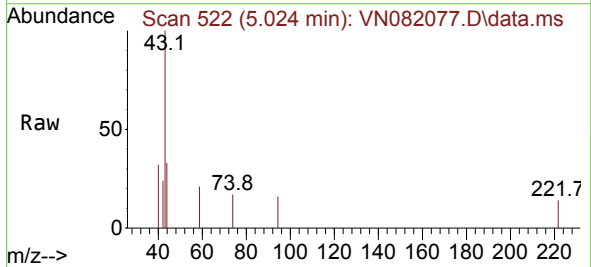


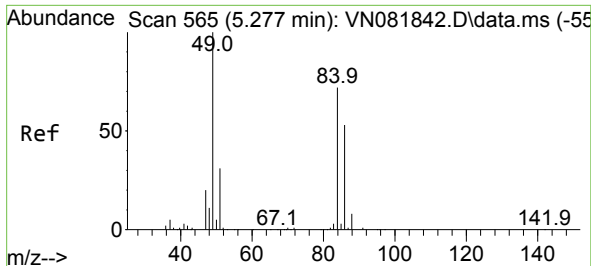
Tgt Ion: 43 Resp: 37171
Ion Ratio Lower Upper
43 100
58 29.6 25.2 37.8



#18
Methyl Acetate
Concen: 0.910 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

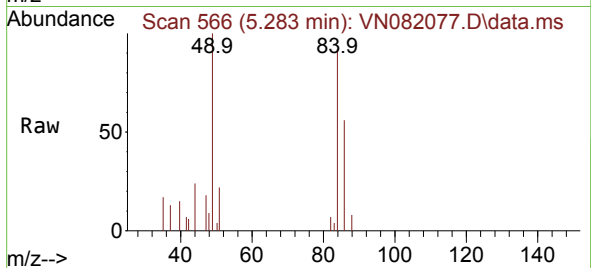
Tgt Ion: 43 Resp: 1833
Ion Ratio Lower Upper
43 100
74 32.0 22.2 33.2



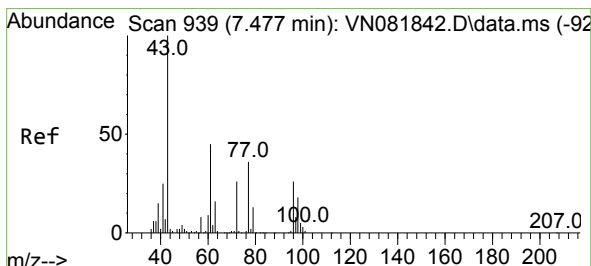
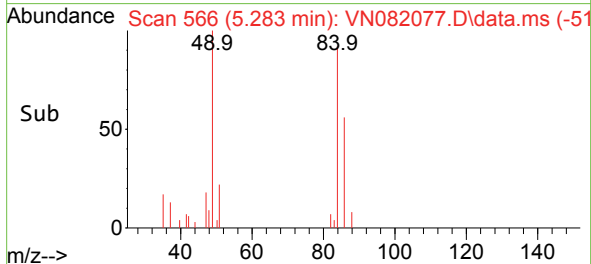
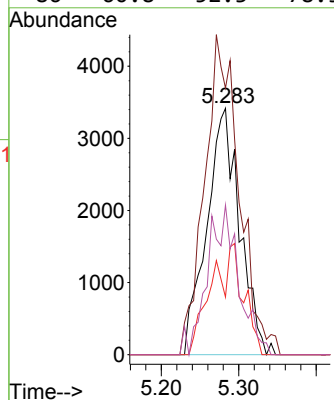


#20
Methylene Chloride
Concen: 5.937 ug/l
RT: 5.283 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

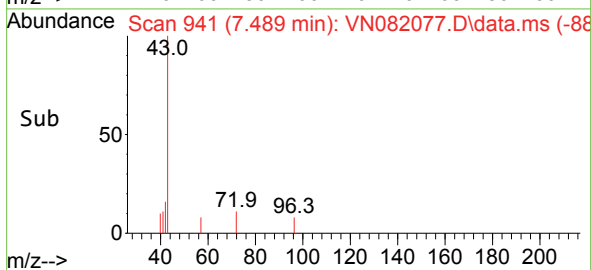
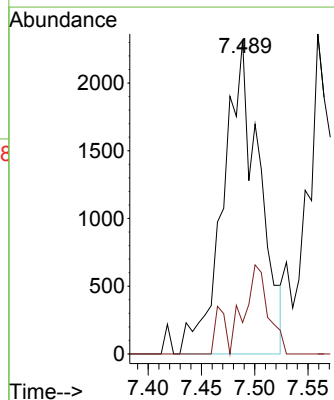
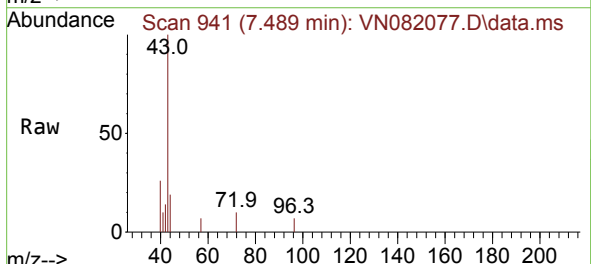


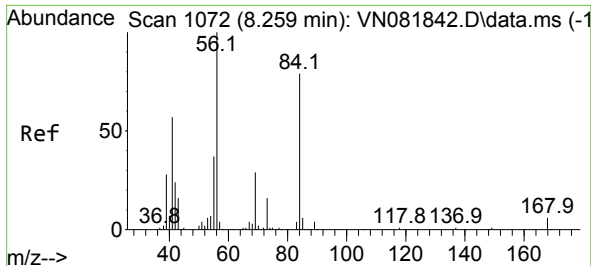
Tgt Ion:	84	Resp:	10117
Ion	Ratio	Lower	Upper
84	100		
49	108.2	84.9	127.3
51	23.4	27.0	40.6#
86	60.8	52.3	78.5



#25
2-Butanone
Concen: 4.825 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

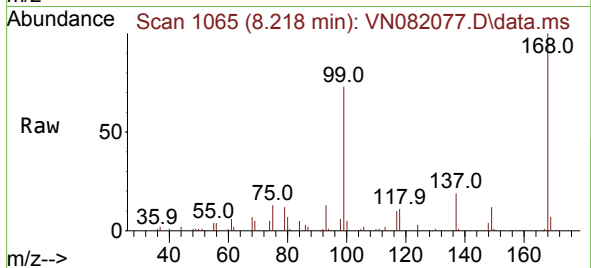
Tgt Ion:	43	Resp:	5446
Ion	Ratio	Lower	Upper
43	100		
72	10.0	25.3	37.9#



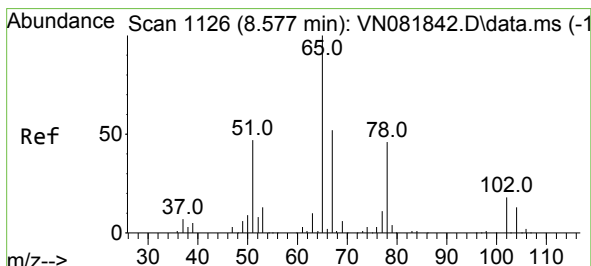
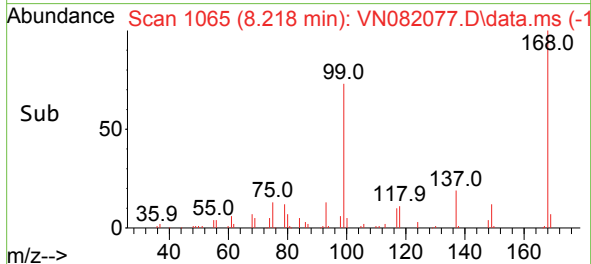
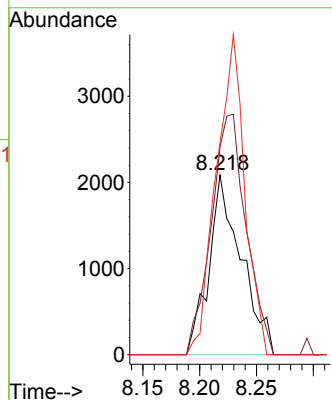


#31
Cyclohexane
Concen: 1.378 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

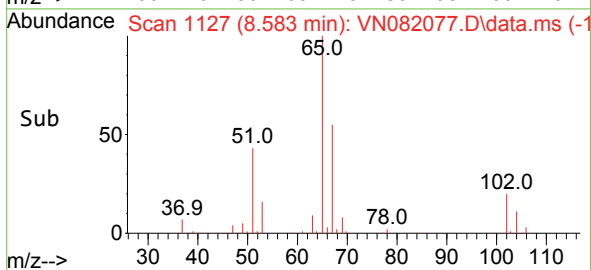
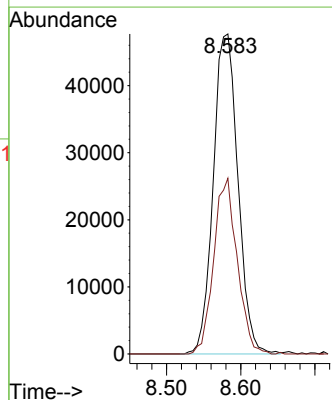
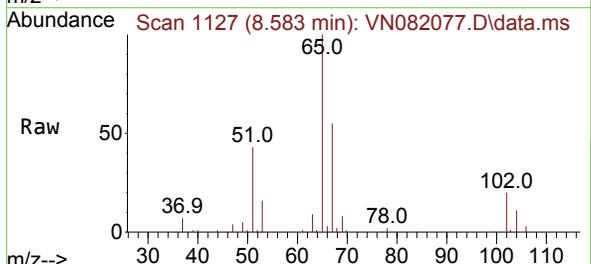


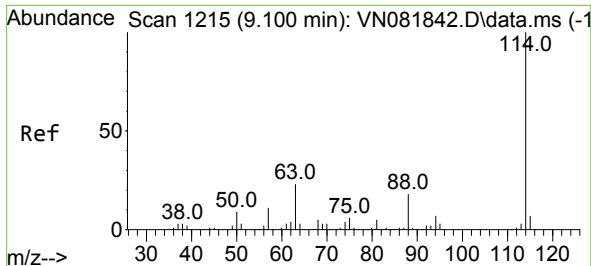
Tgt Ion: 56 Resp: 4128
Ion Ratio Lower Upper
56 100
69 115.8 24.4 36.6#
84 118.3 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 55.532 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Tgt Ion: 65 Resp: 110425
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

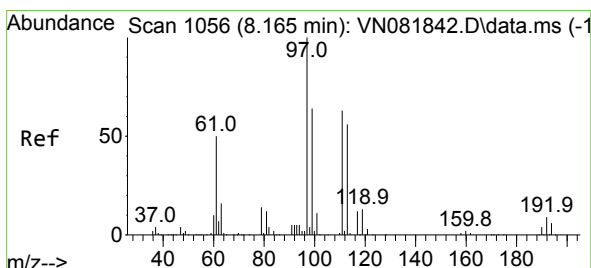
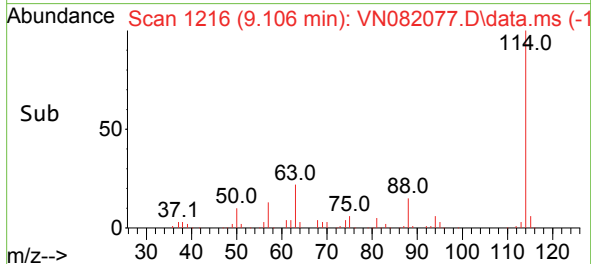
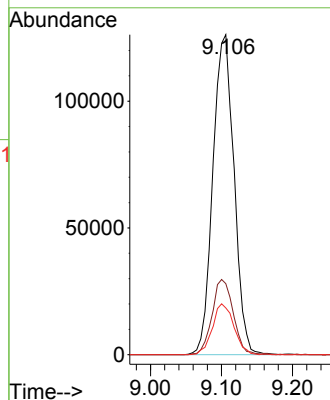
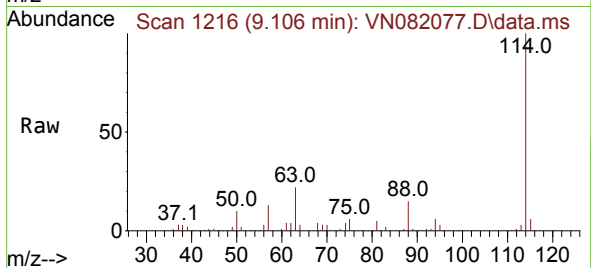
Tgt Ion:114 Resp: 261351

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.0

88 14.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.436 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

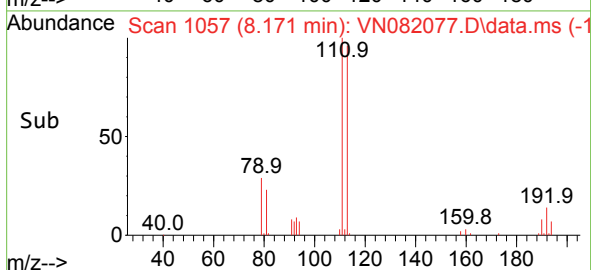
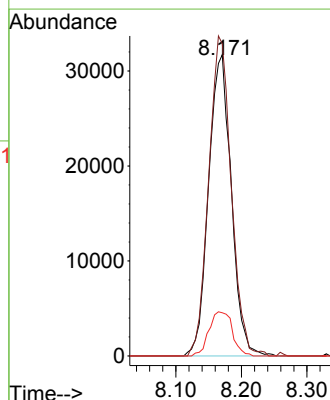
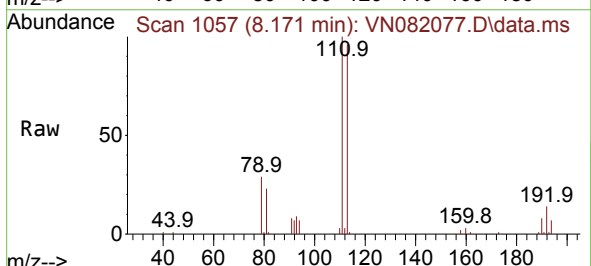
Tgt Ion:113 Resp: 76217

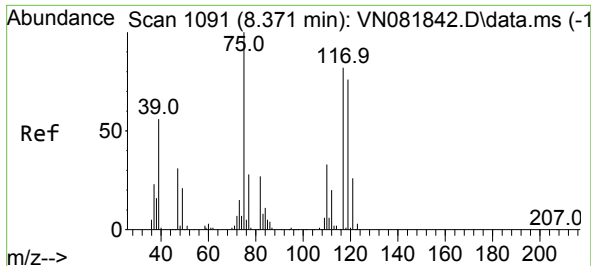
Ion Ratio Lower Upper

113 100

111 105.5 83.4 125.2

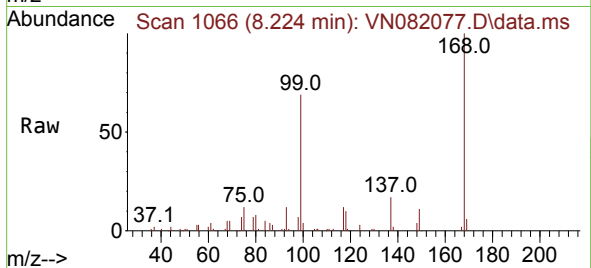
192 15.1 14.0 21.0



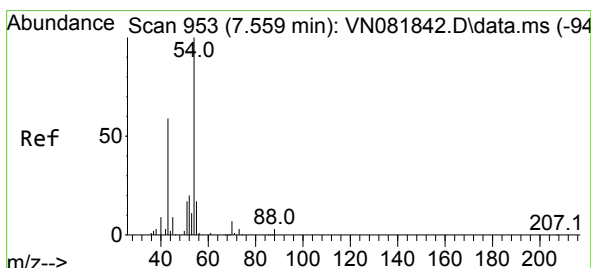
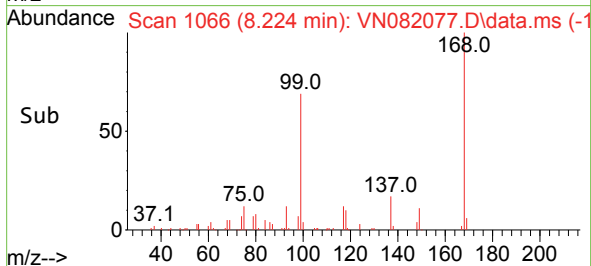
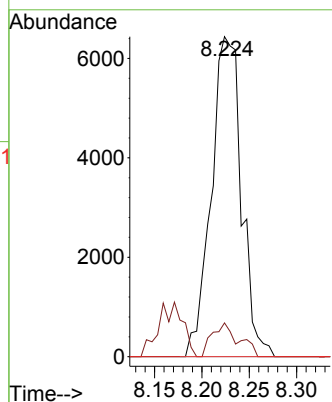


#36
1,1-Dichloropropene
Concen: 5.584 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

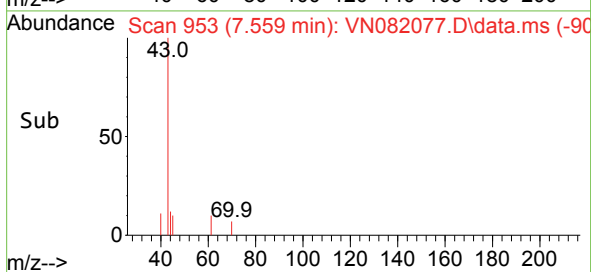
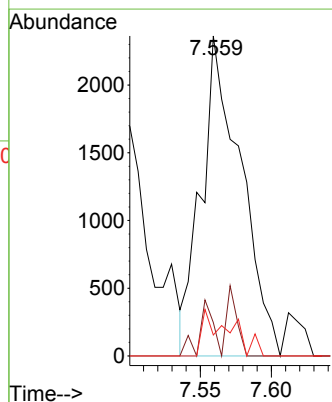
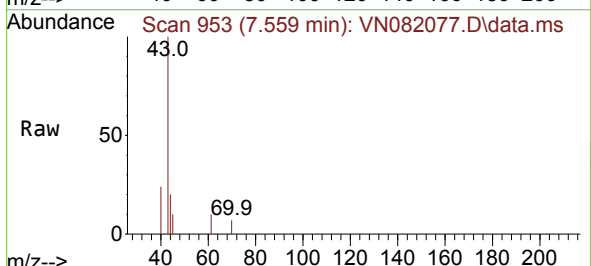


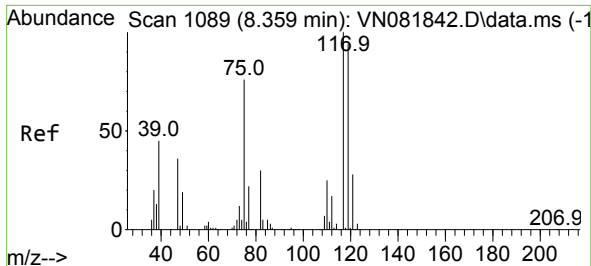
Tgt Ion: 75 Resp: 14296
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.649 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

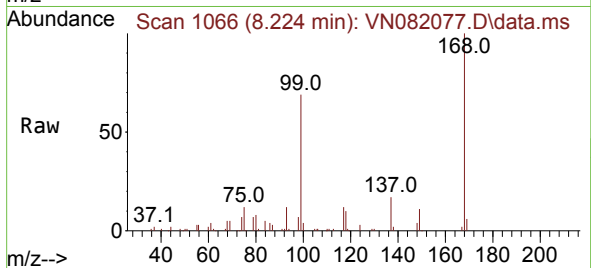
Tgt Ion: 43 Resp: 4564
Ion Ratio Lower Upper
43 100
61 6.3 11.3 16.9#
70 10.3 8.7 13.1



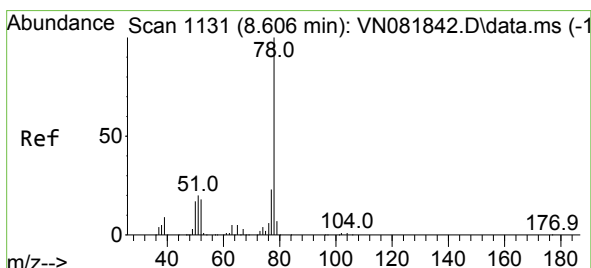
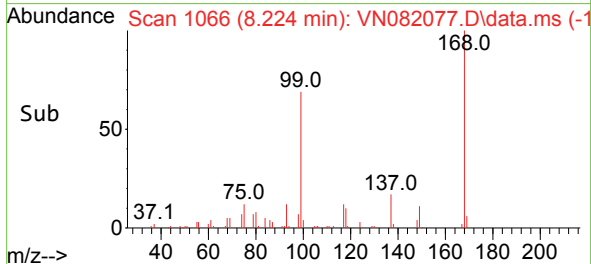
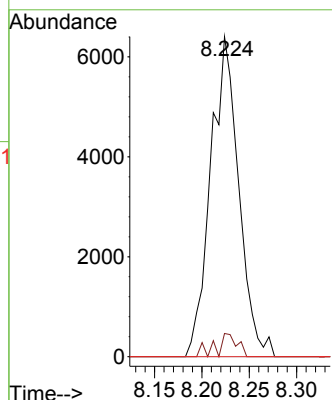


#38
Carbon Tetrachloride
Concen: 5.290 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

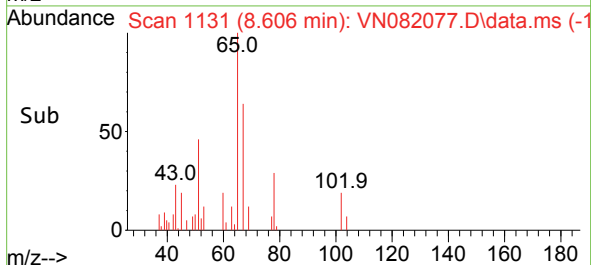
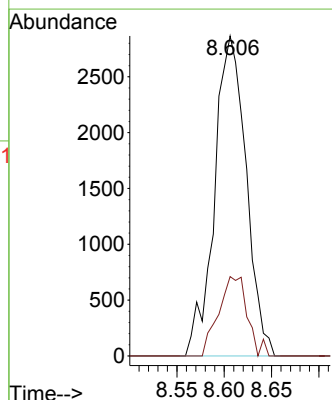
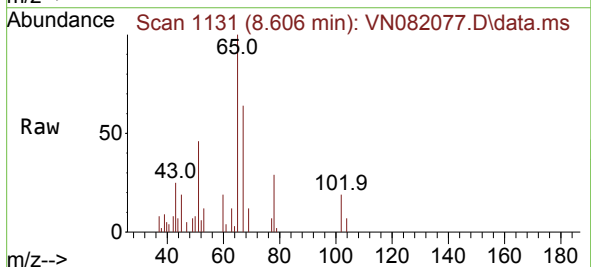


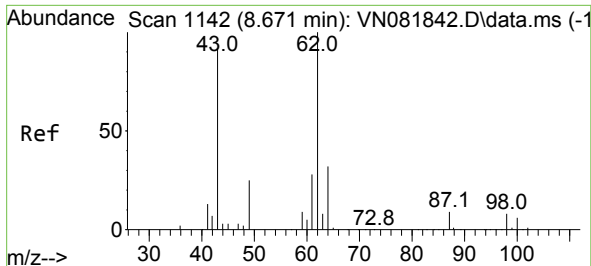
Tgt Ion:117 Resp: 13235
Ion Ratio Lower Upper
117 100
119 7.2 76.5 114.7#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 0.867 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Tgt Ion: 78 Resp: 6663
Ion Ratio Lower Upper
78 100
77 24.8 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: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

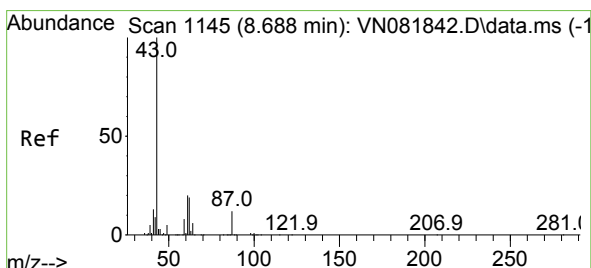
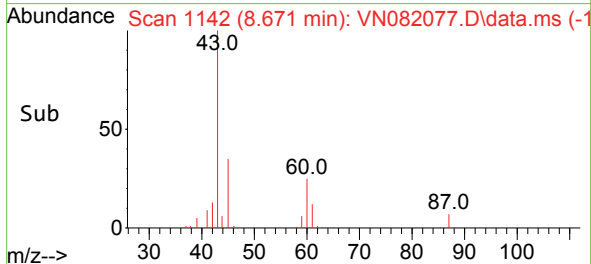
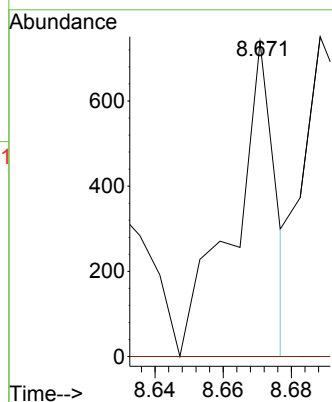
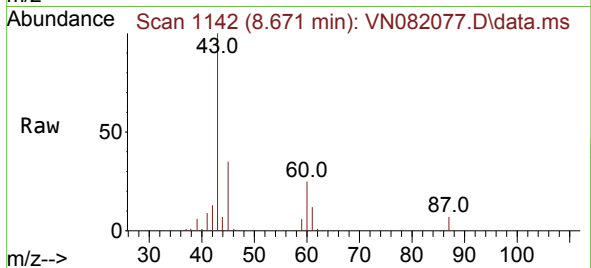
ClientSampleId :

Tgt Ion: 62 Resp: 633

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 69.542 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

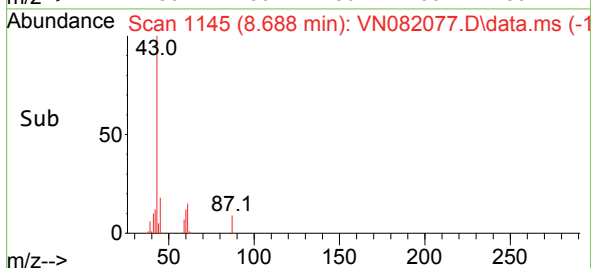
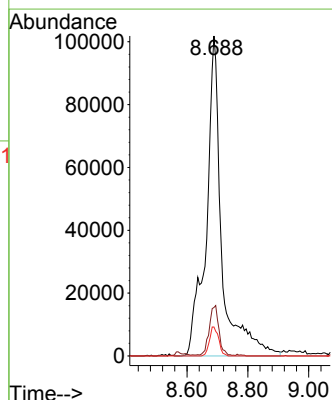
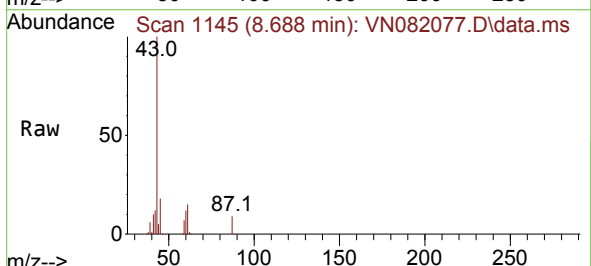
Tgt Ion: 43 Resp: 361925

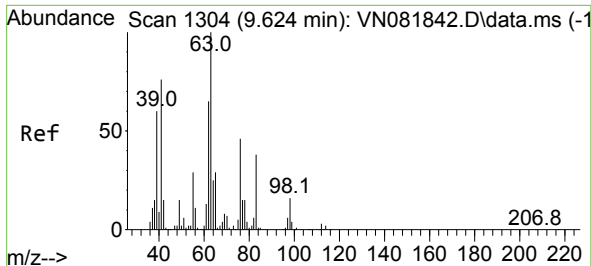
Ion Ratio Lower Upper

43 100

61 10.0 22.8 34.2#

87 5.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 1.026 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

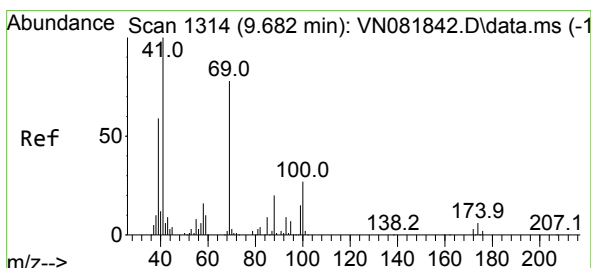
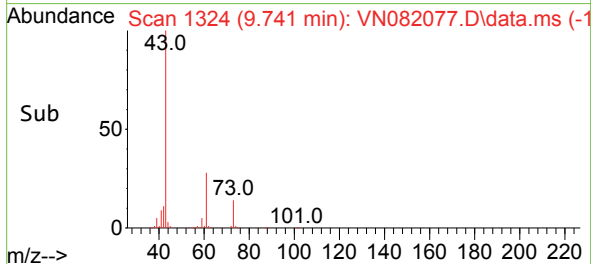
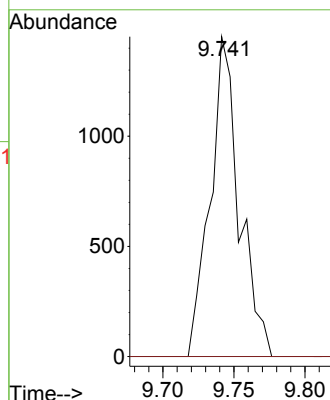
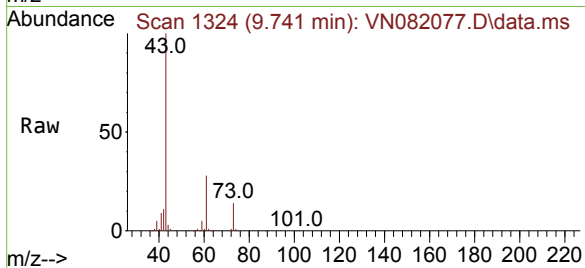
ClientSampleId :

Tgt Ion: 63 Resp: 2063

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.849 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

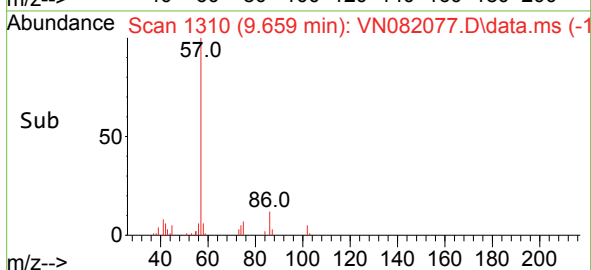
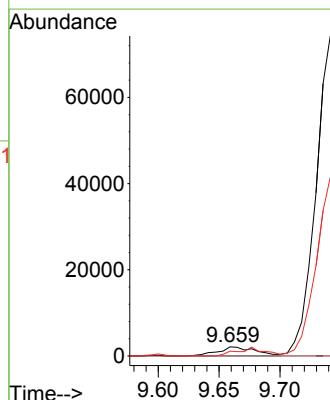
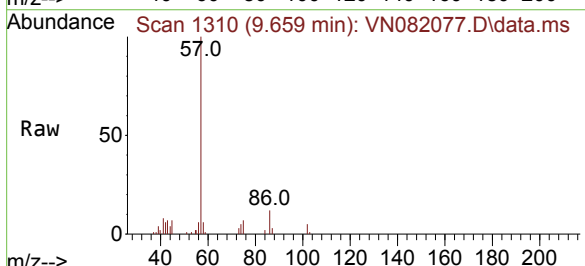
Tgt Ion: 41 Resp: 4593

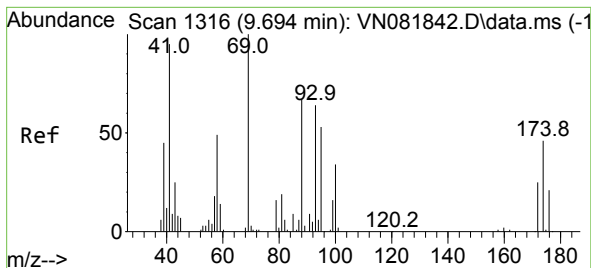
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 68.4 50.9 76.3





#49

1,4-Dioxane

Concen: 3.390 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

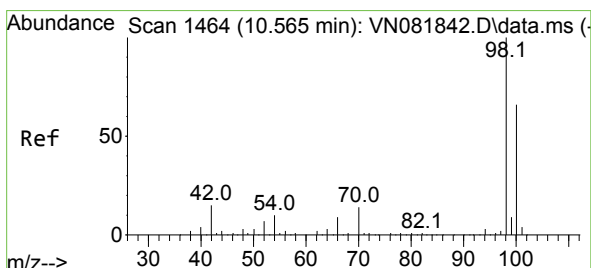
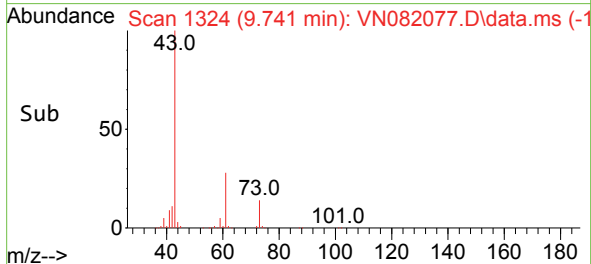
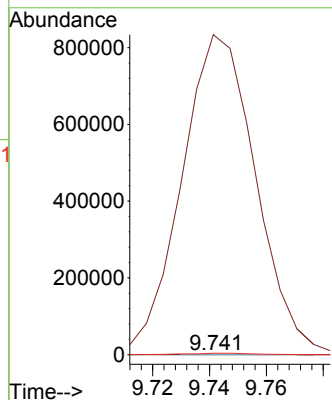
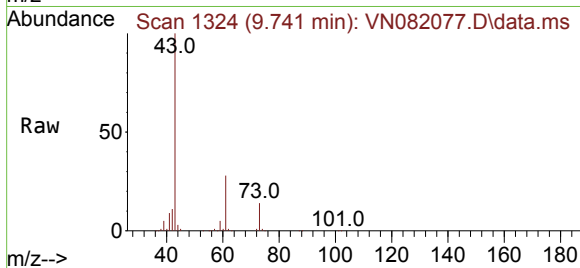
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

43 1188600.0 19.0 28.6#

58 5049.2 50.6 76.0#



#50

Toluene-d8

Concen: 53.438 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN082077.D

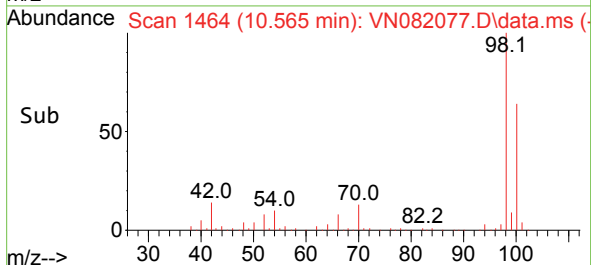
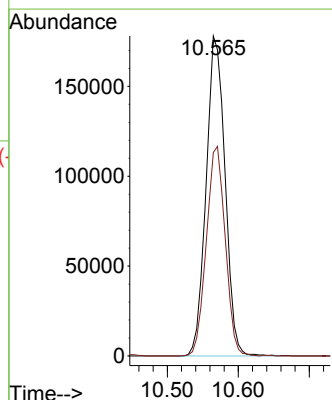
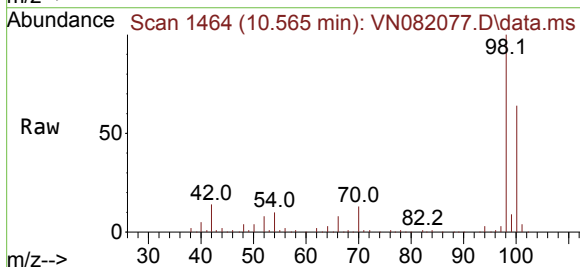
Acq: 10 May 2024 18:10

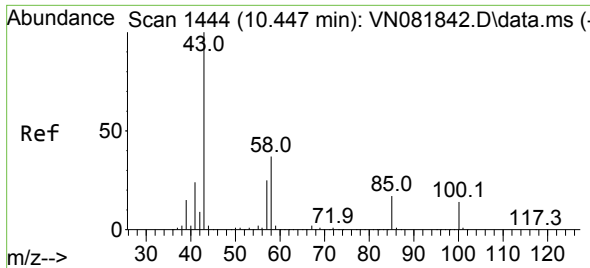
Tgt Ion: 98 Resp: 330249

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.6

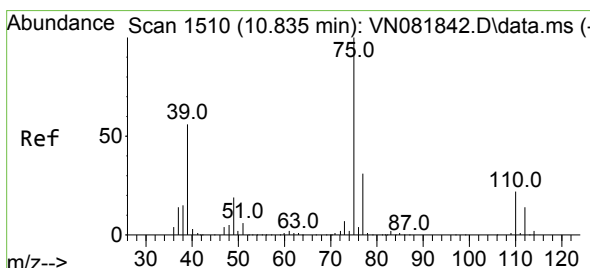
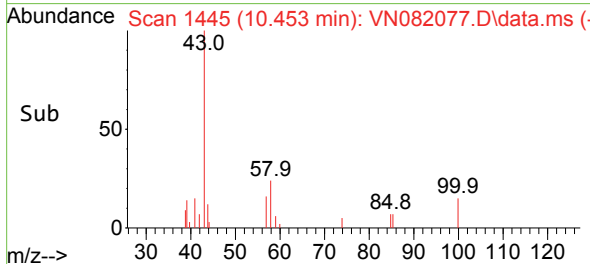
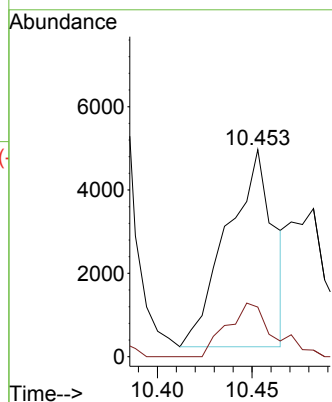
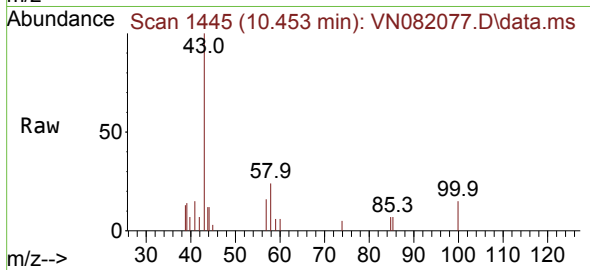




#51
4-Methyl-2-Pentanone
Concen: 2.773 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

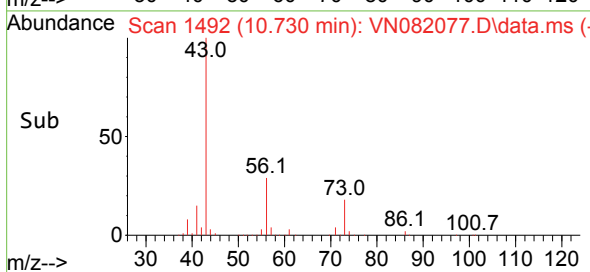
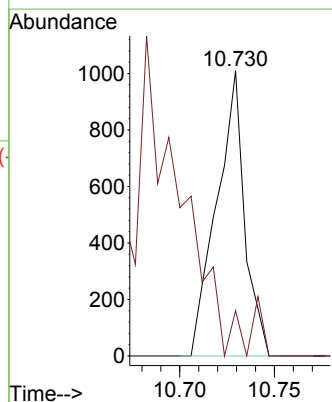
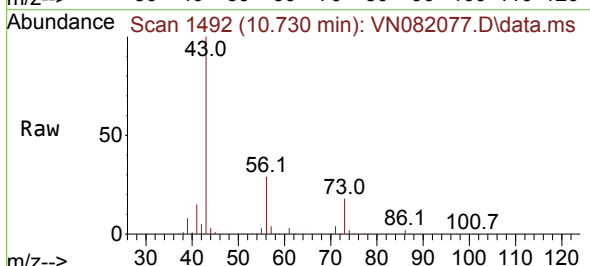
Instrument :
MSVOA_N
ClientSampleId :

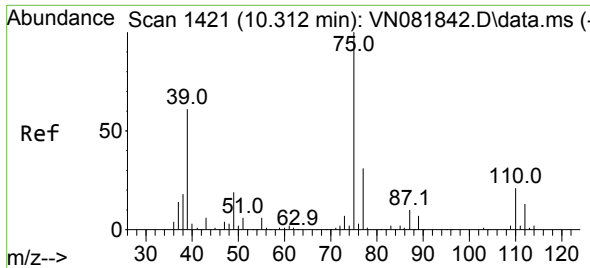
Tgt Ion: 43 Resp: 8125
Ion Ratio Lower Upper
43 100
58 27.2 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.324 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

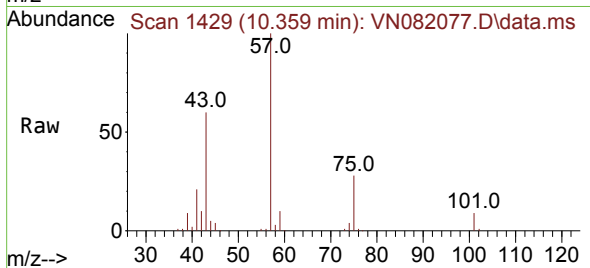
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
77 15.9 25.4 38.0#



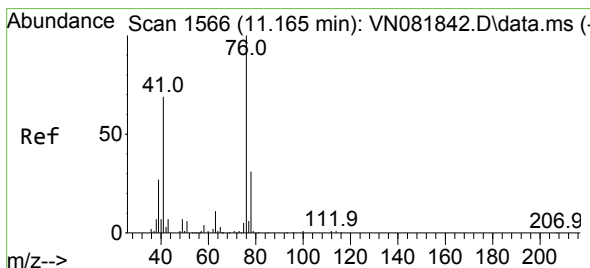
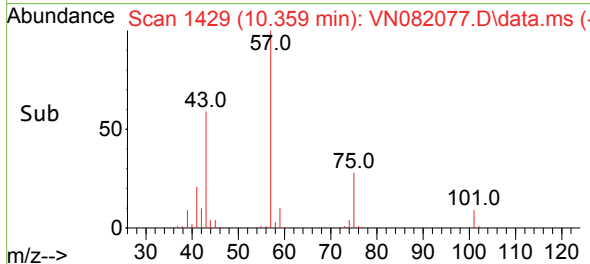
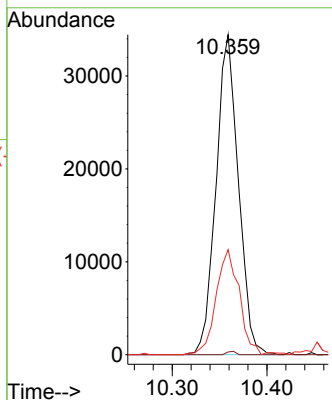


#54
cis-1,3-Dichloropropene
Concen: 17.202 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :

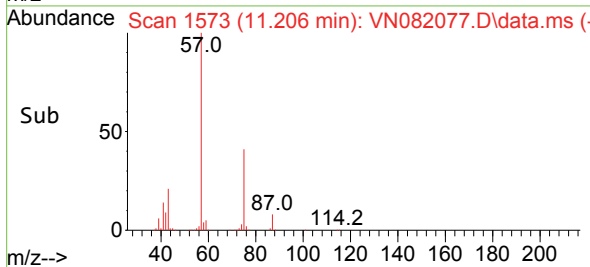
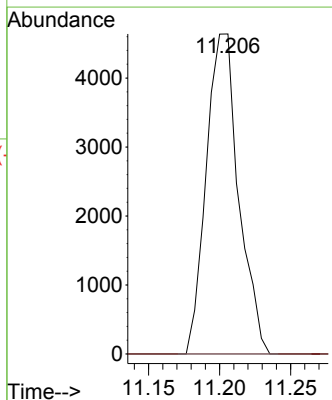
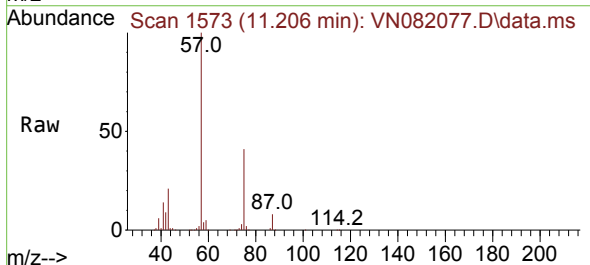


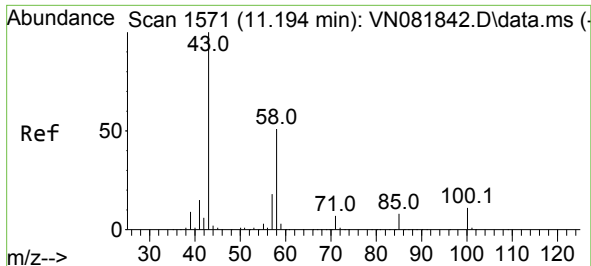
Tgt Ion: 75 Resp: 56553
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 32.8 34.8 52.2#



#57
1,3-Dichloropropane
Concen: 2.294 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Tgt Ion: 76 Resp: 7382
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

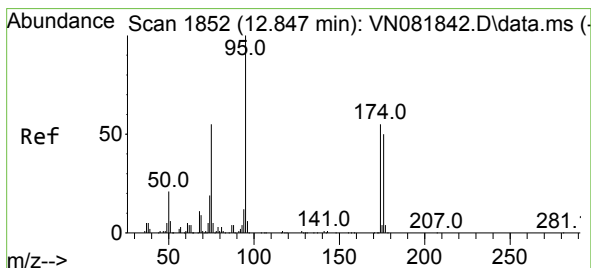
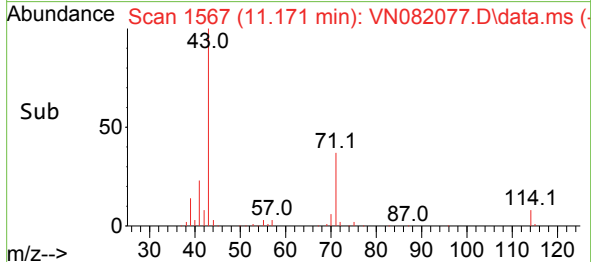
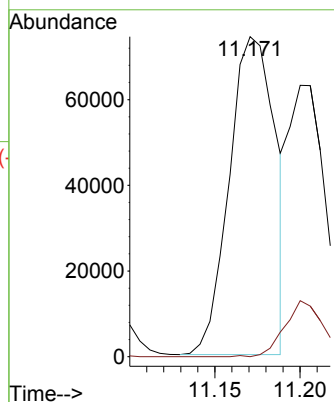
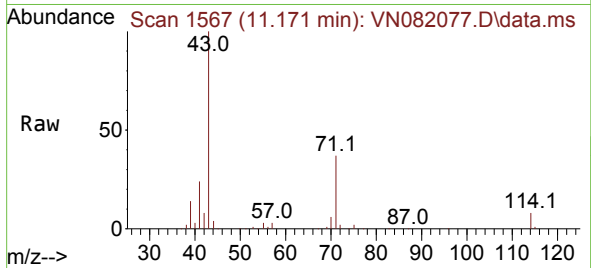




#59
2-Hexanone
Concen: 63.900 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

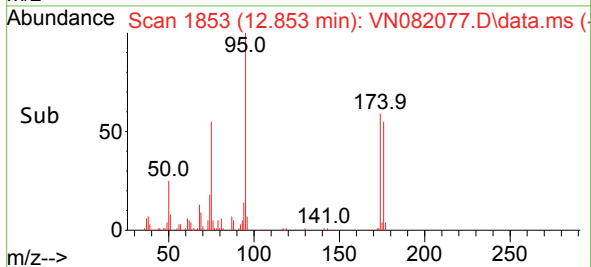
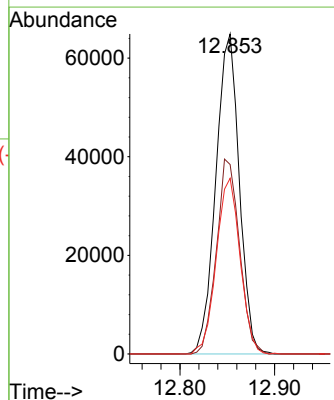
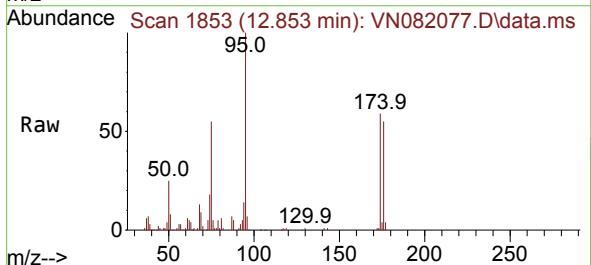
Instrument :
MSVOA_N
ClientSampleId :

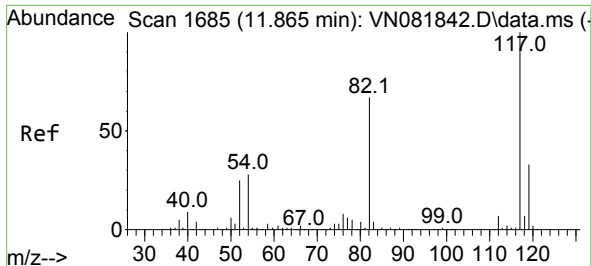
Tgt Ion: 43 Resp: 139325
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.703 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

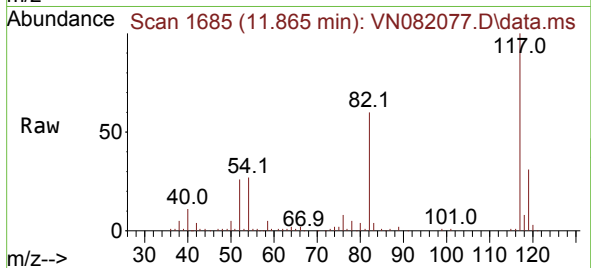
Tgt Ion: 95 Resp: 111653
Ion Ratio Lower Upper
95 100
174 60.0 0.0 160.6
176 55.8 0.0 152.8



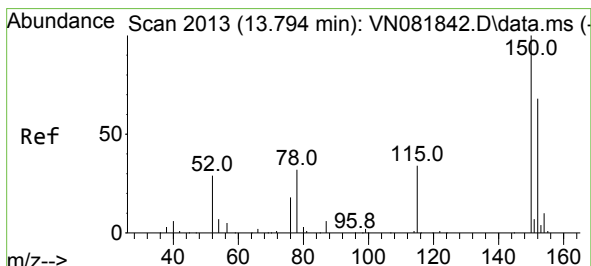
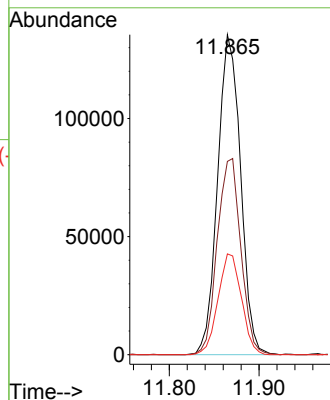
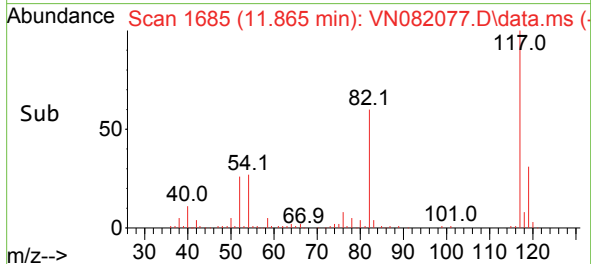


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

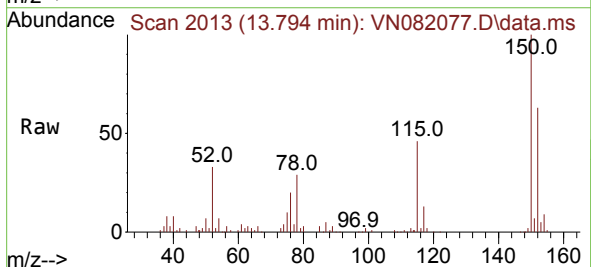
Instrument :
MSVOA_N
ClientSampleId :



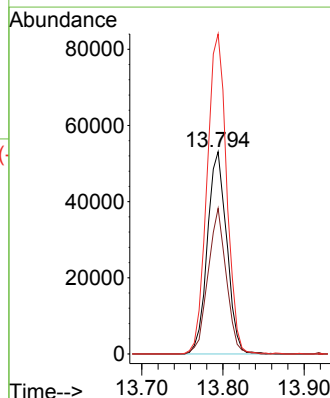
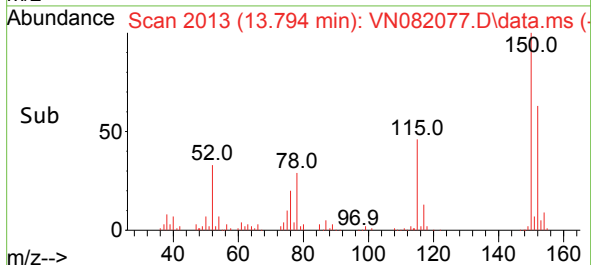
Tgt Ion:117 Resp: 240472
Ion Ratio Lower Upper
117 100
82 60.4 44.6 66.8
119 31.5 25.9 38.9

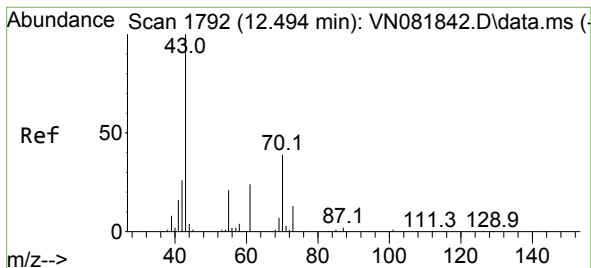


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10



Tgt Ion:152 Resp: 87927
Ion Ratio Lower Upper
152 100
115 68.0 30.4 91.3
150 160.1 0.0 353.2





#74

N-amy1 acetate

Concen: 0.425 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

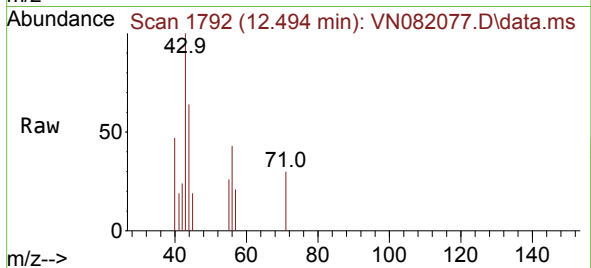
Lab File: VN082077.D

Acq: 10 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1848

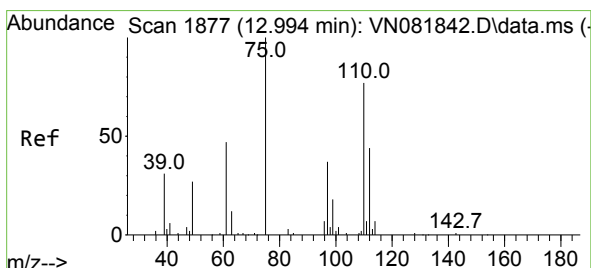
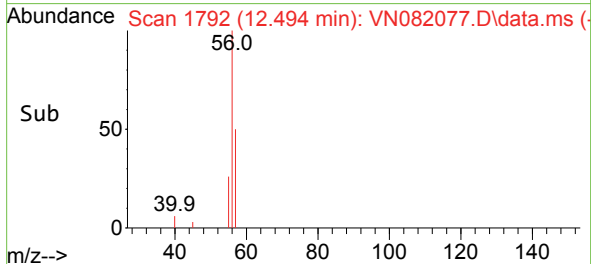
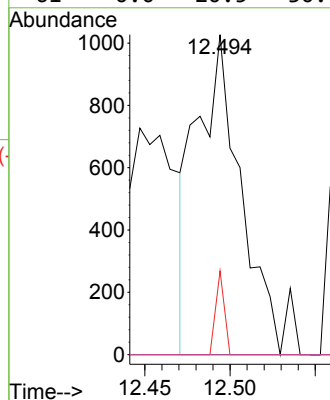
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 5.1 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 27.418 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082077.D

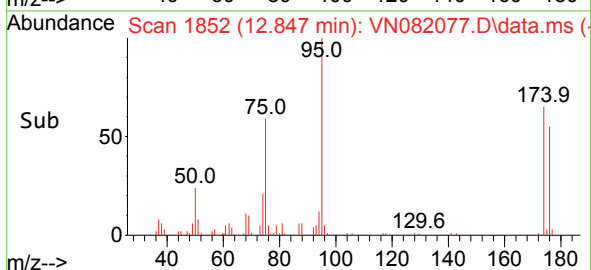
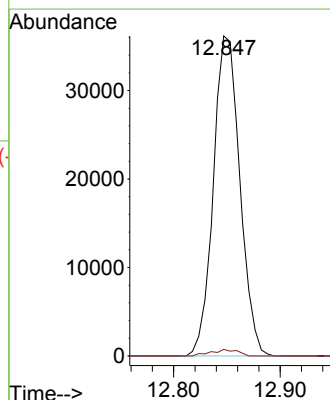
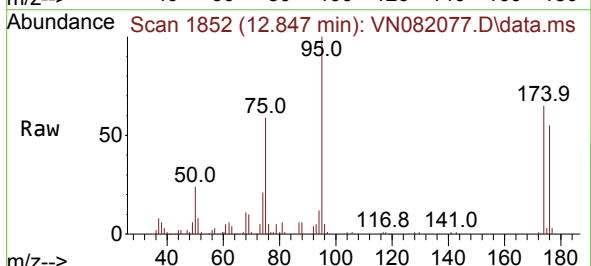
Acq: 10 May 2024 18:10

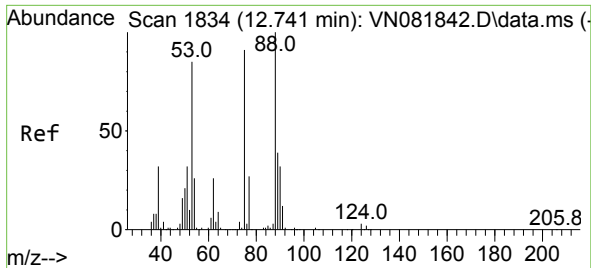
Tgt Ion: 75 Resp: 62507

Ion Ratio Lower Upper

75 100

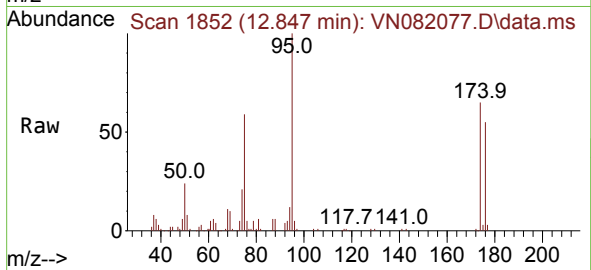
77 2.0 90.5 271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 56.184 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082077.D
Acq: 10 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :



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

