

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082076.D
 Acq On : 10 May 2024 17:45
 Operator : JC\MD
 Sample : P2422-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:26:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

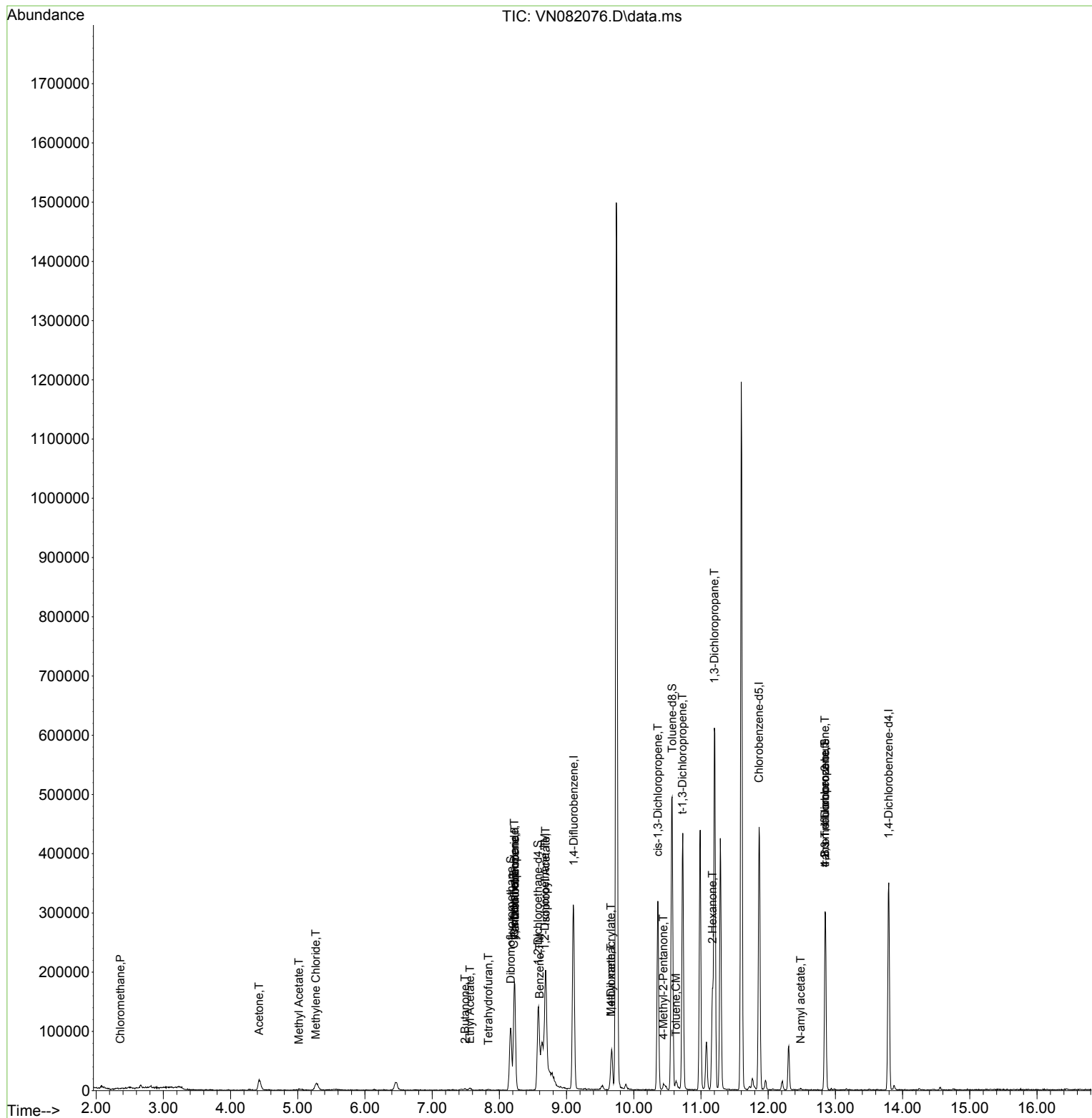
Internal Standards						
1) Pentafluorobenzene	8.230	168	113593	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	250204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106016	55.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.600%			
35) Dibromofluoromethane	8.171	113	77013	51.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	10.571	98	325274	54.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.960%			
62) 4-Bromofluorobenzene	12.847	95	105958	45.304	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.600%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	521	0.313	ug/l	# 43
5) Bromomethane	2.977	94	412	Below Cal		# 50
13) Acrolein	4.189	56	205	Below Cal		# 58
16) Acetone	4.424	43	32182	52.446	ug/l	92
18) Methyl Acetate	5.018	43	3528	1.817	ug/l	# 60
20) Methylene Chloride	5.271	84	4399	2.677	ug/l	# 87
25) 2-Butanone	7.489	43	4459	4.098	ug/l	# 80
29) Tetrahydrofuran	7.836	42	244	0.313	ug/l	# 55
31) Cyclohexane	8.218	56	4045	1.401	ug/l	# 49
36) 1,1-Dichloropropene	8.230	75	13507	5.511	ug/l	# 45
37) Ethyl Acetate	7.565	43	5659	2.136	ug/l	# 81
38) Carbon Tetrachloride	8.224	117	13722	5.729	ug/l	# 14
40) Benzene	8.600	78	27959	3.800	ug/l	95
42) 1,2-Dichloroethane	8.677	62	808	0.296	ug/l	# 73
43) Isopropyl Acetate	8.688	43	314283	63.078	ug/l	# 71
48) Methyl methacrylate	9.659	41	5092	2.141	ug/l	# 34
49) 1,4-Dioxane	9.659	88	62	1.715	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.441	43	8522	3.038	ug/l	# 78
52) Toluene	10.630	92	5587	1.268	ug/l	93
53) t-1,3-Dichloropropene	10.724	75	988	0.324	ug/l	# 43
54) cis-1,3-Dichloropropene	10.359	75	54993	17.472	ug/l	# 68
57) 1,3-Dichloropropane	11.200	76	6149	1.996	ug/l	# 42
59) 2-Hexanone	11.171	43	133960	64.177	ug/l	# 23
74) N-amyl acetate	12.482	43	1192	0.291	ug/l	# 41
76) 1,2,3-Trichloropropane	12.847	75	59061	27.522	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	59061	56.397	ug/l	# 12

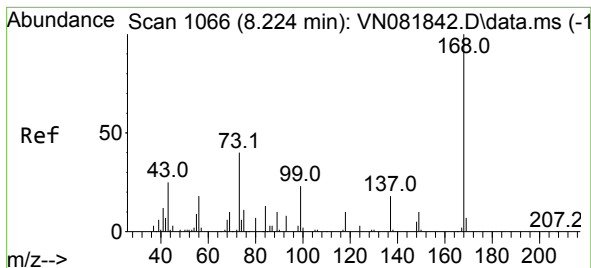
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
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: VN082076.D

Acq: 10 May 2024 17:45

Instrument :

MSVOA_N

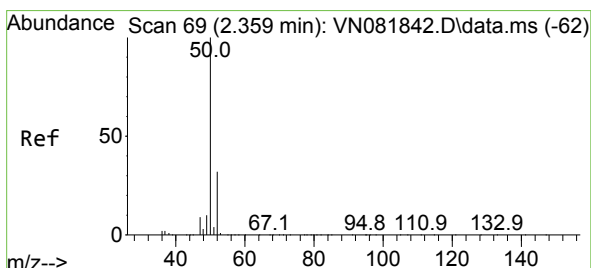
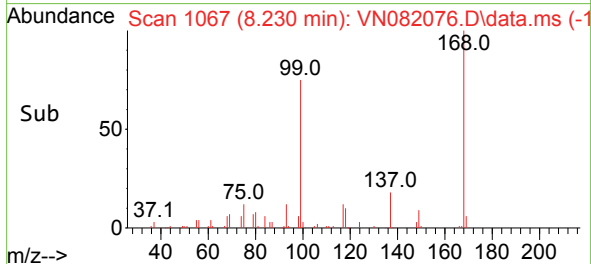
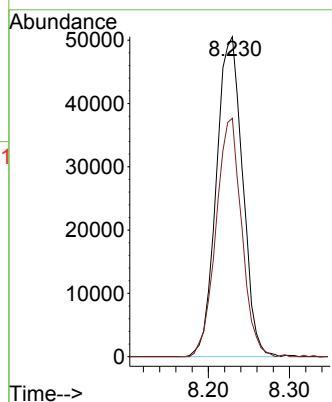
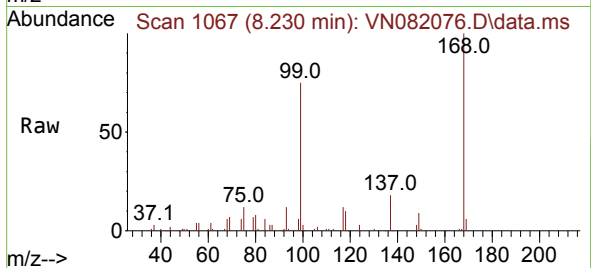
ClientSampleId :

Tgt Ion:168 Resp: 113593

Ion Ratio Lower Upper

168 100

99 74.5 48.2 72.4#



#3

Chloromethane

Concen: 0.313 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082076.D

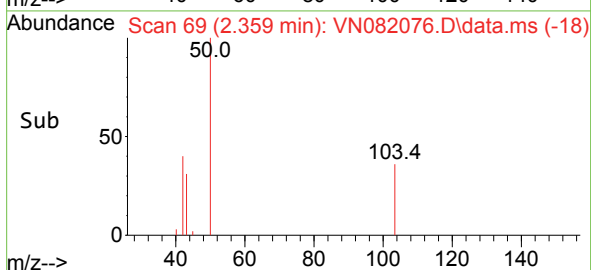
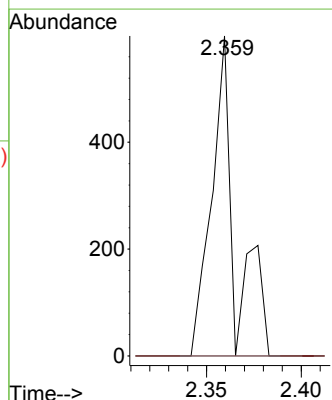
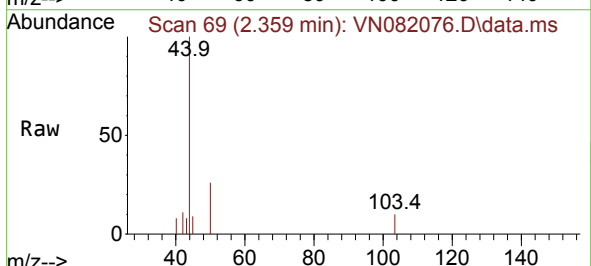
Acq: 10 May 2024 17:45

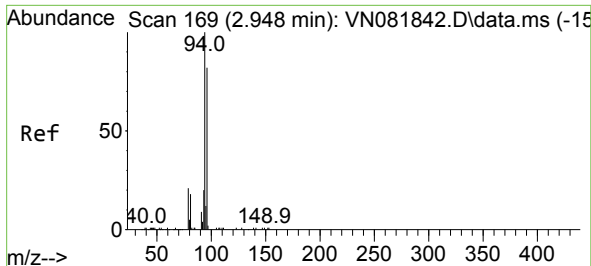
Tgt Ion: 50 Resp: 521

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

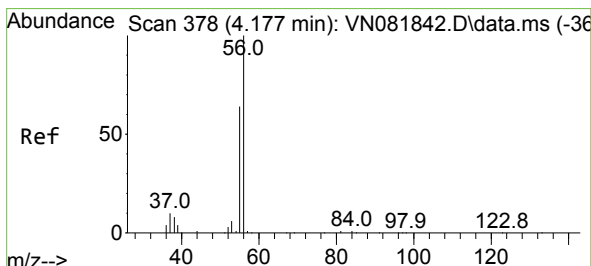
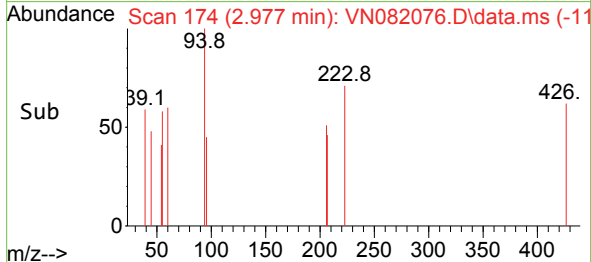
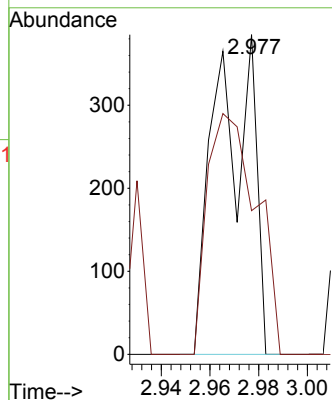
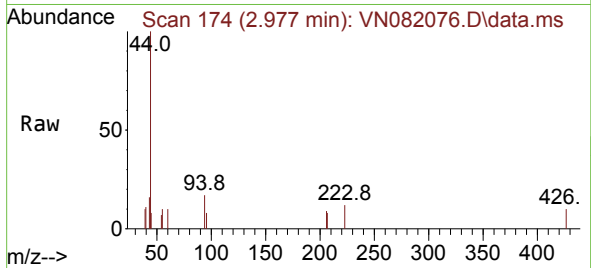




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

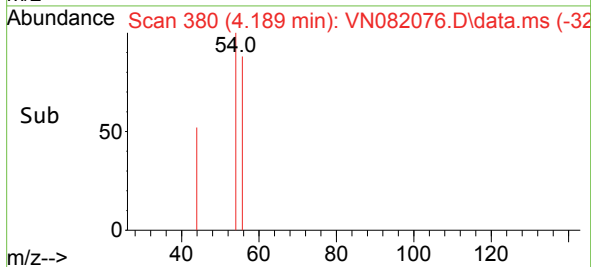
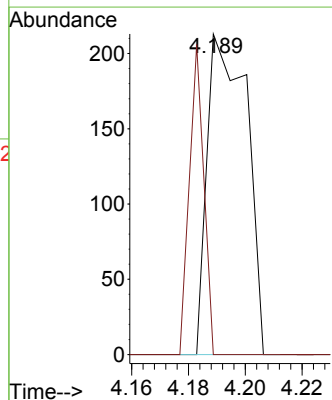
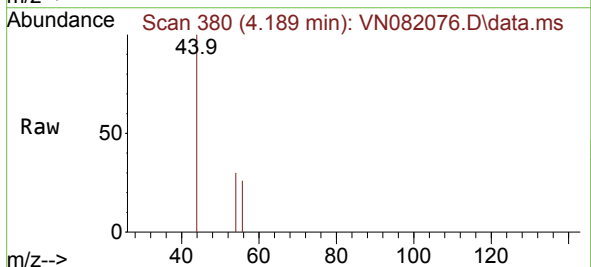
Instrument :
MSVOA_N
ClientSampleId :

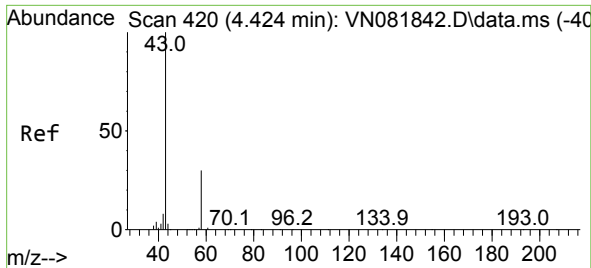
Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 44.9 74.8 112.2#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 35.6 55.8 83.8#

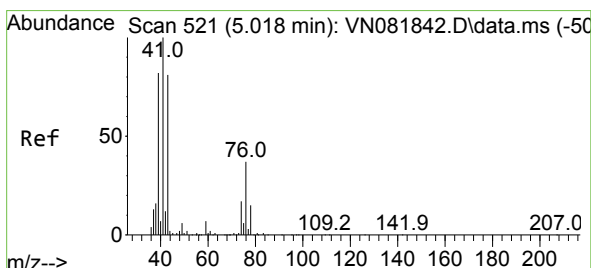
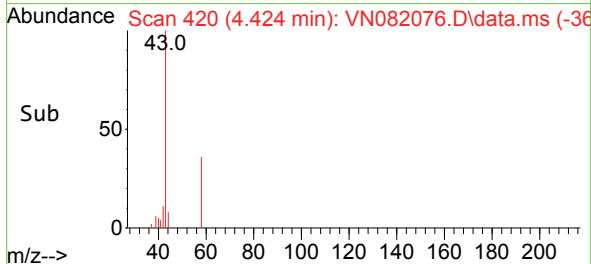
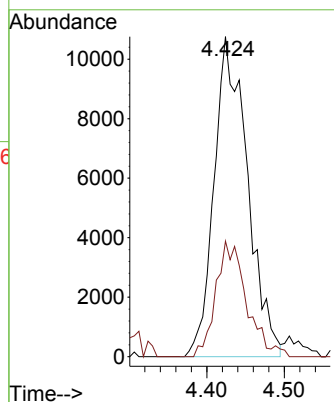
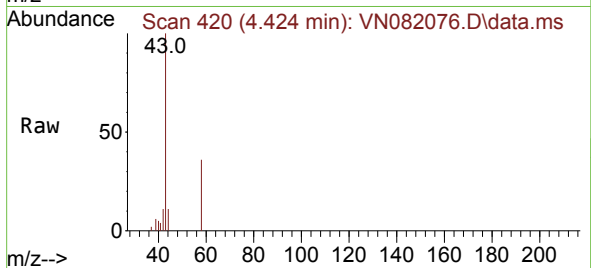




#16
Acetone
Concen: 52.446 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

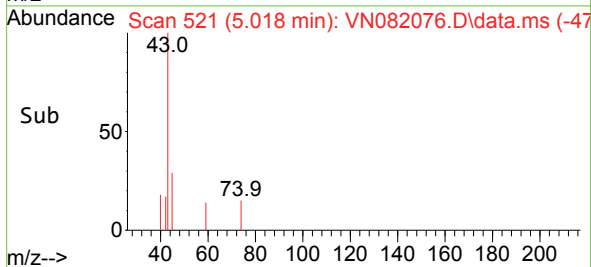
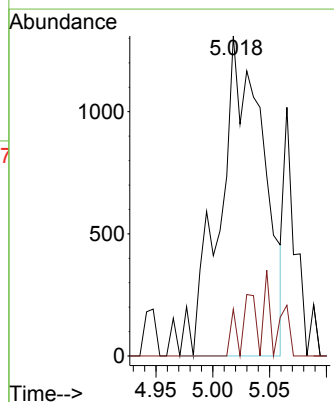
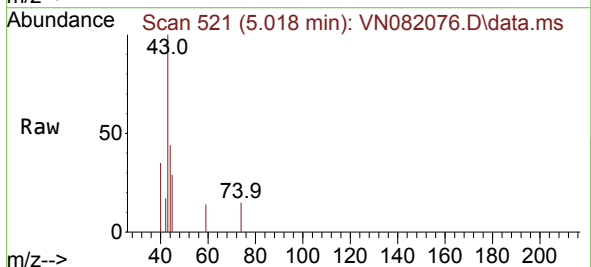
Instrument :
MSVOA_N
ClientSampleId :

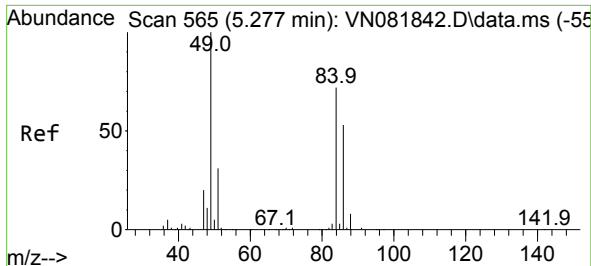
Tgt Ion: 43 Resp: 32182
Ion Ratio Lower Upper
43 100
58 36.1 25.2 37.8



#18
Methyl Acetate
Concen: 1.817 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

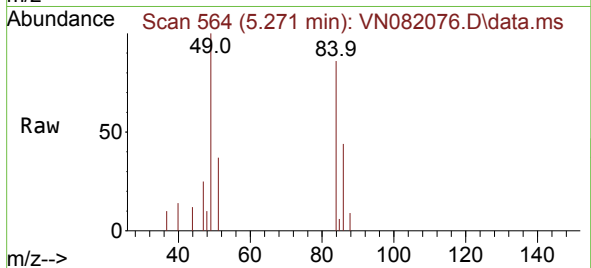
Tgt Ion: 43 Resp: 3528
Ion Ratio Lower Upper
43 100
74 6.9 22.2 33.2#



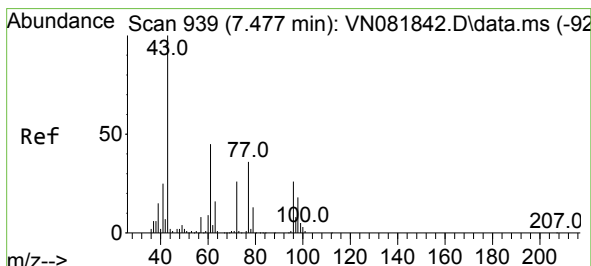
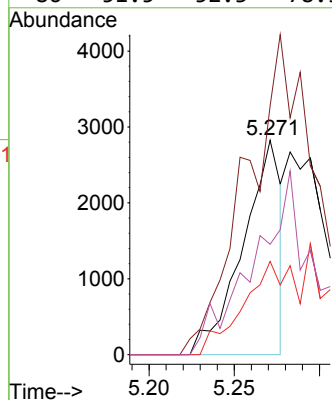
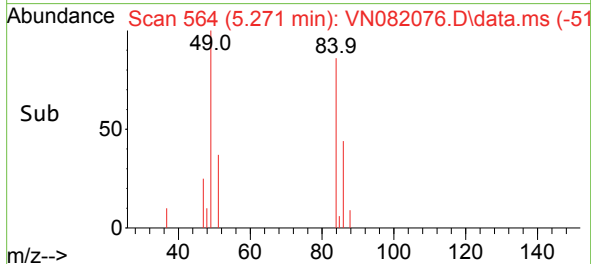


#20
Methylene Chloride
Concen: 2.677 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :

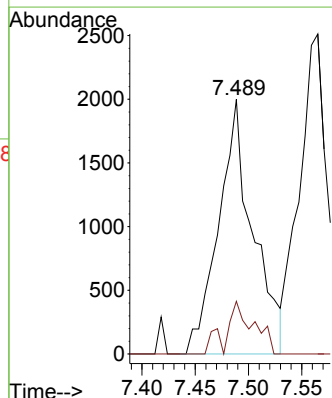
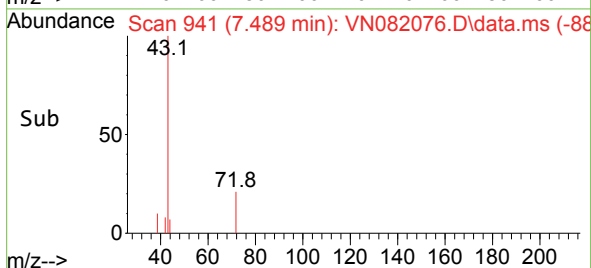
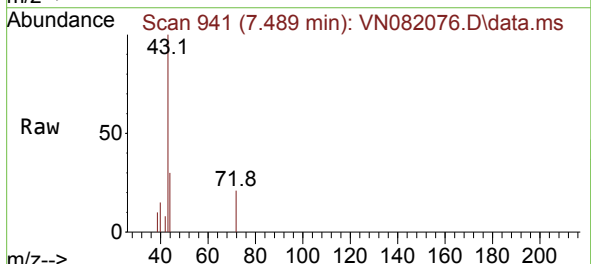


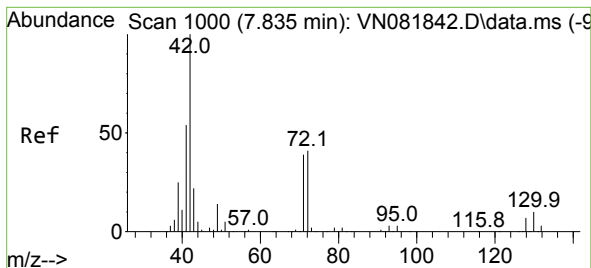
Tgt Ion: 84 Resp: 4399
Ion Ratio Lower Upper
84 100
49 116.0 84.9 127.3
51 43.5 27.0 40.6#
86 51.5 52.3 78.5#



#25
2-Butanone
Concen: 4.098 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
72 20.7 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.313 ug/l

RT: 7.836 min Scan# 10

Delta R.T. 0.000 min

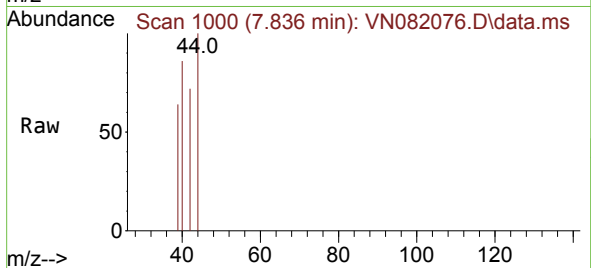
Lab File: VN082076.D

Acq: 10 May 2024 17:45

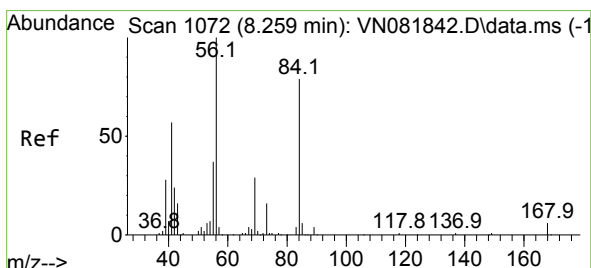
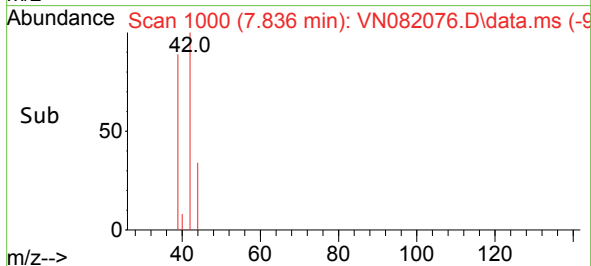
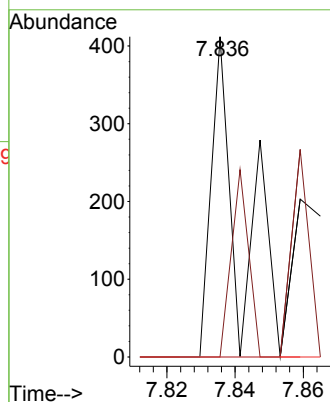
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	244
Ion	Ratio	Lower	Upper
42	100		
72	34.8	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.401 ug/l

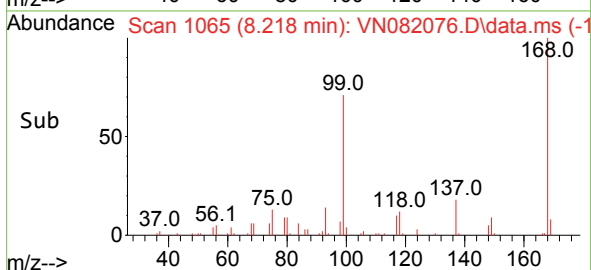
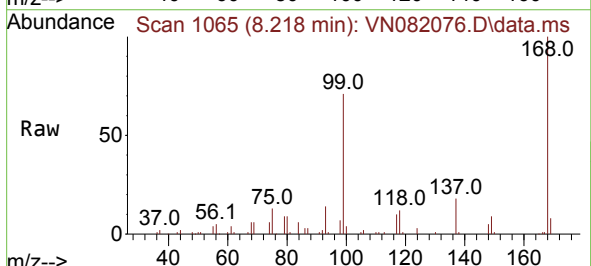
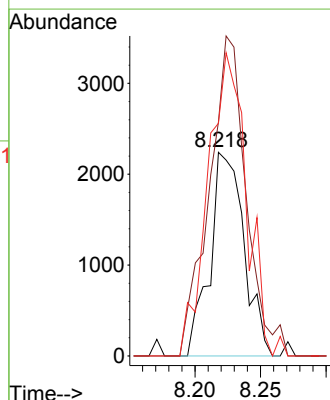
RT: 8.218 min Scan# 1065

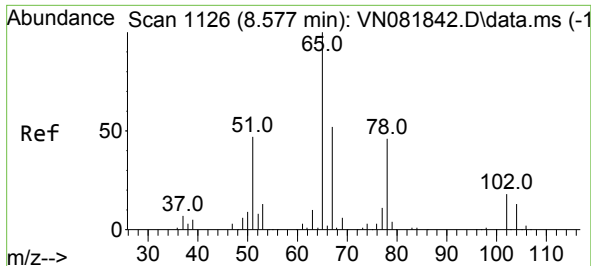
Delta R.T. -0.041 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

Tgt Ion:	56	Resp:	4045
Ion	Ratio	Lower	Upper
56	100		
69	114.9	24.4	36.6#
84	114.2	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 55.299 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

Instrument :

MSVOA_N

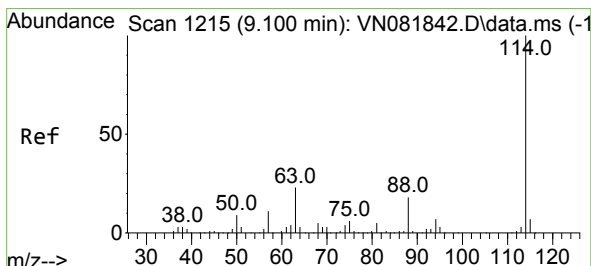
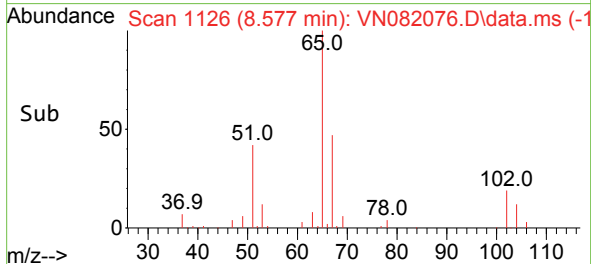
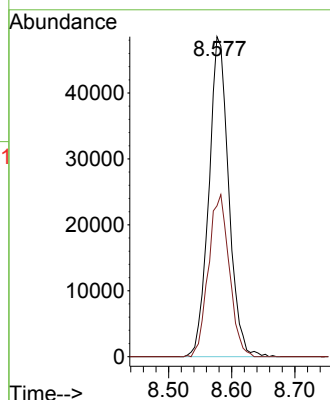
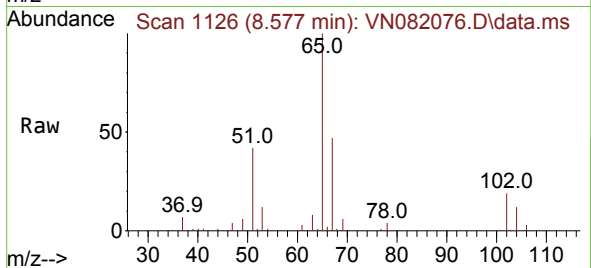
ClientSampleId :

Tgt Ion: 65 Resp: 106016

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

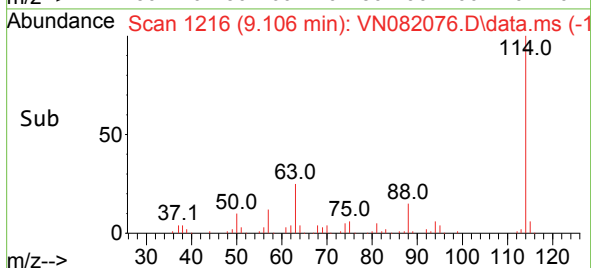
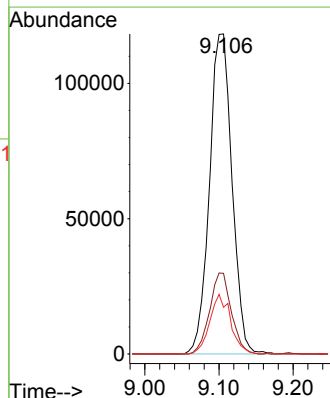
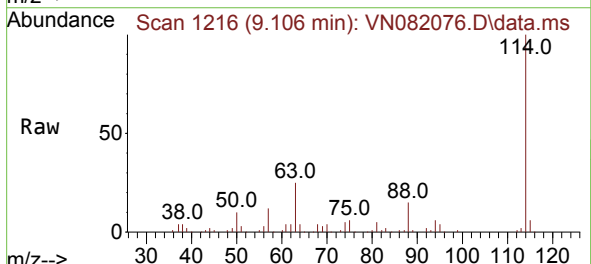
Tgt Ion: 114 Resp: 250204

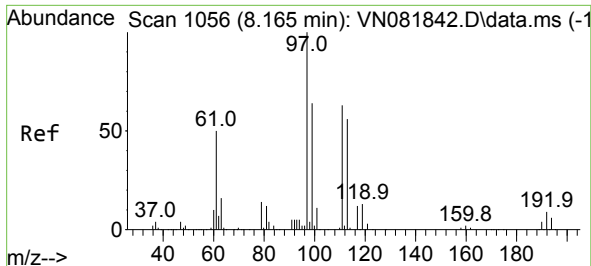
Ion Ratio Lower Upper

114 100

63 25.2 0.0 41.0

88 14.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.122 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

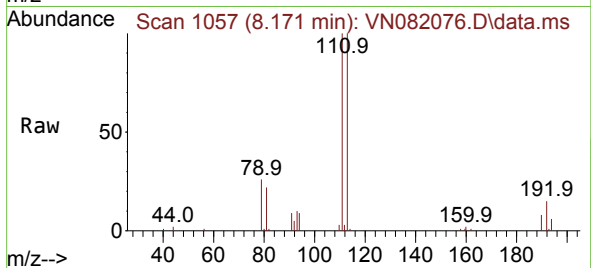
Lab File: VN082076.D

Acq: 10 May 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :



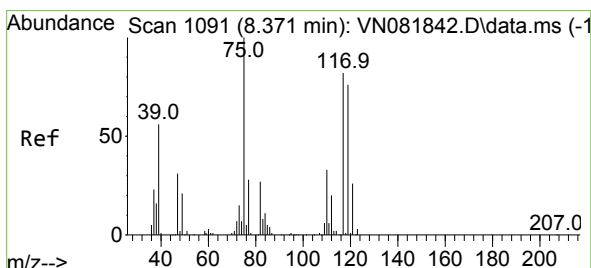
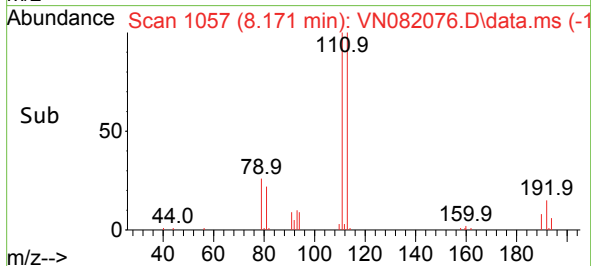
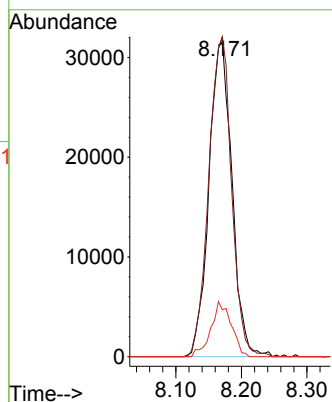
Tgt Ion:113 Resp: 77013

Ion Ratio Lower Upper

113 100

111 100.7 83.4 125.2

192 15.5 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.511 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

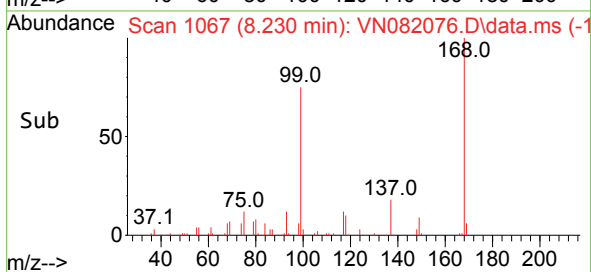
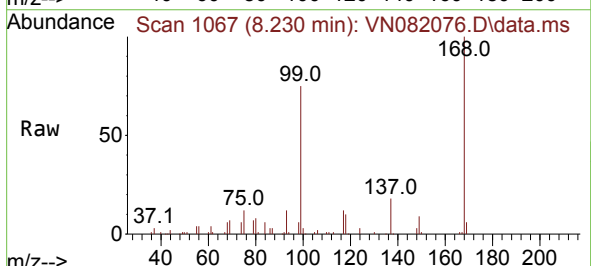
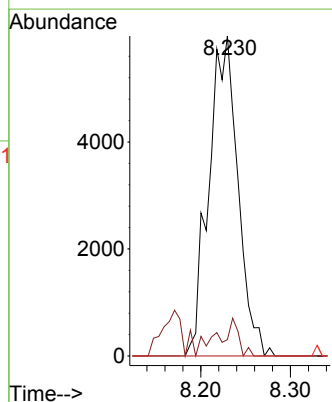
Tgt Ion: 75 Resp: 13507

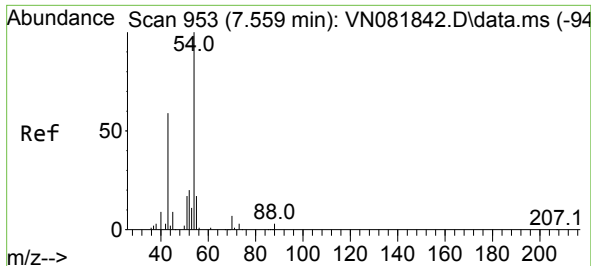
Ion Ratio Lower Upper

75 100

110 4.3 17.8 53.5#

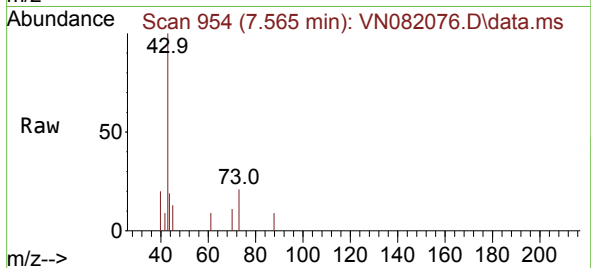
77 0.0 25.0 37.4#



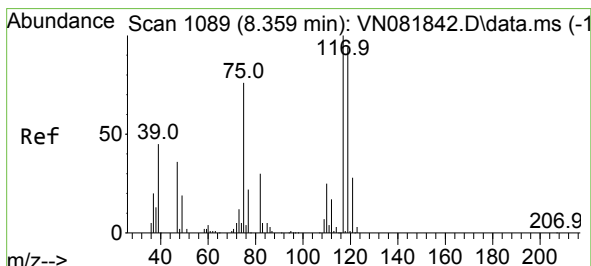
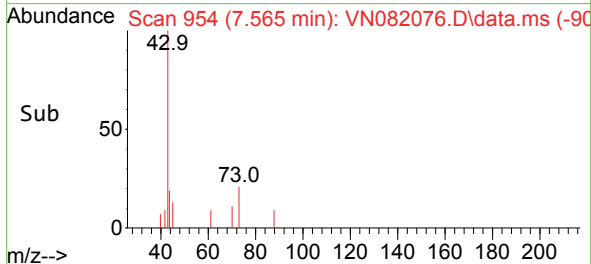
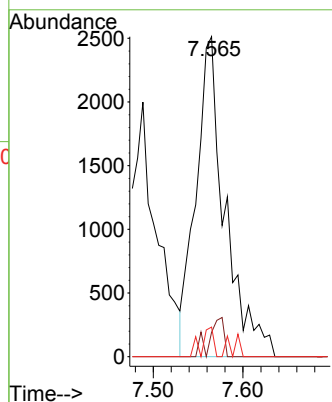


#37
Ethyl Acetate
Concen: 2.136 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :

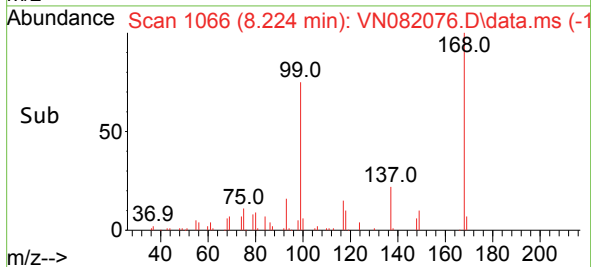
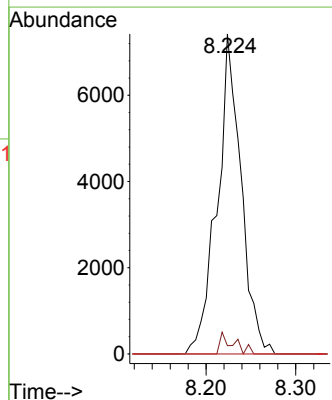
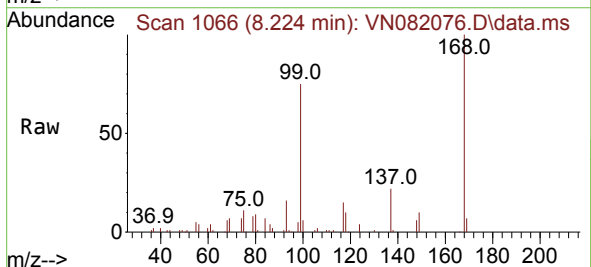


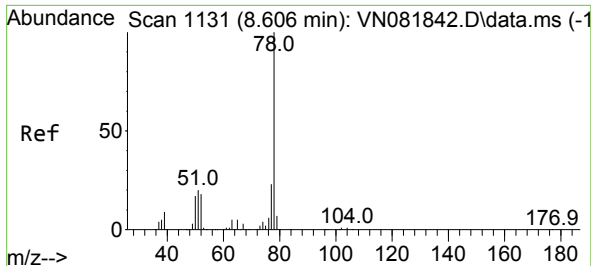
Tgt Ion: 43 Resp: 5659
Ion Ratio Lower Upper
43 100
61 6.1 11.3 16.9#
70 3.7 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 117 Resp: 13722
Ion Ratio Lower Upper
117 100
119 2.6 76.5 114.7#
121 0.0 23.9 35.9#

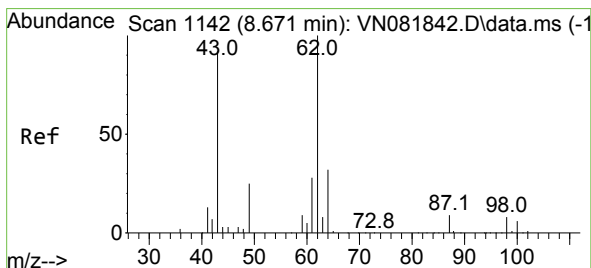
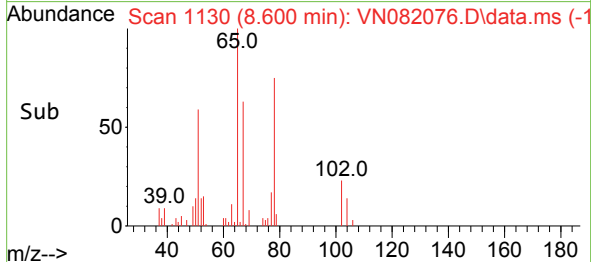
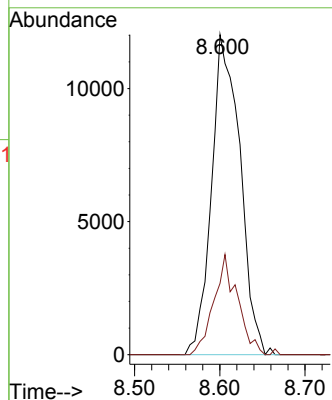
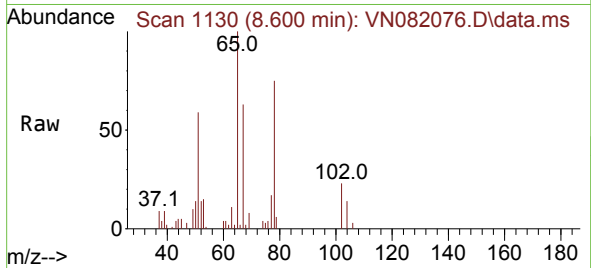




#40
Benzene
Concen: 3.800 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

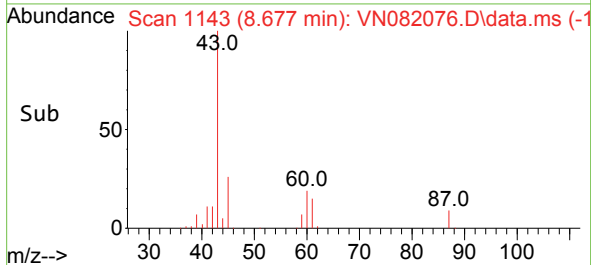
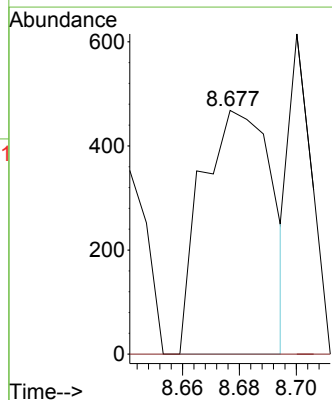
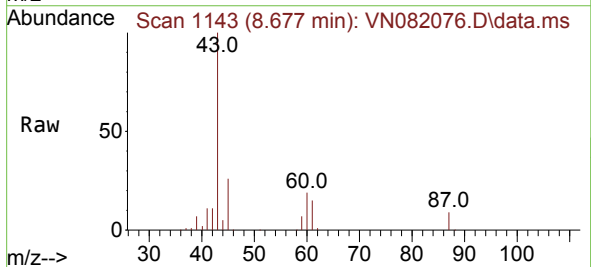
Instrument :
MSVOA_N
ClientSampleId :

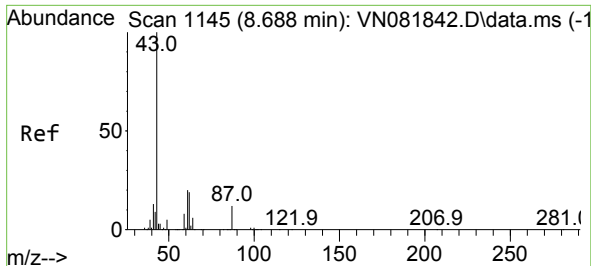
Tgt Ion: 78 Resp: 27959
Ion Ratio Lower Upper
78 100
77 22.3 20.0 30.0



#42
1,2-Dichloroethane
Concen: 0.296 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 62 Resp: 808
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

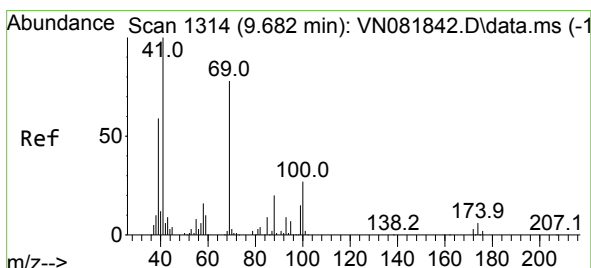
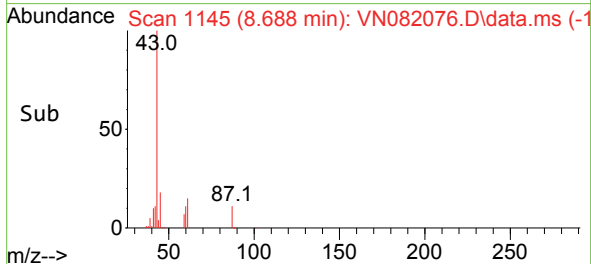
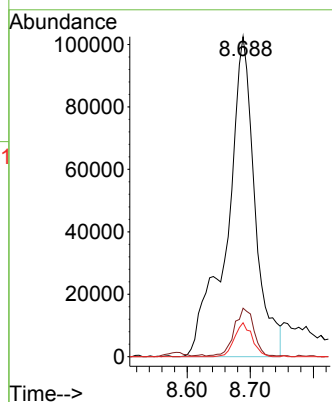
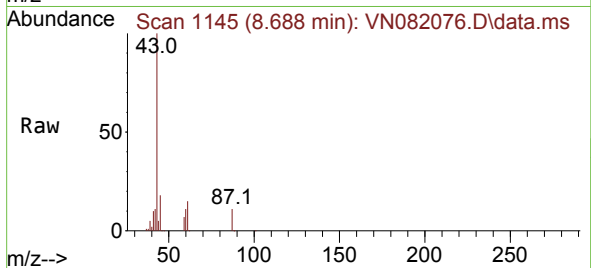




#43
Isopropyl Acetate
Concen: 63.078 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

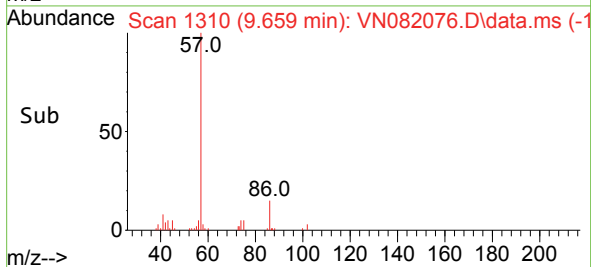
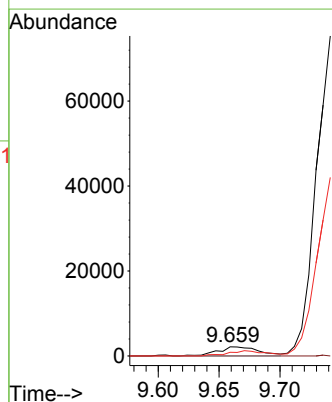
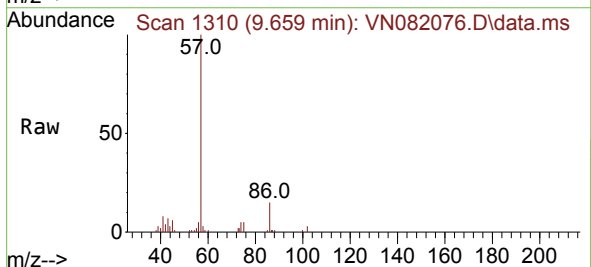
Instrument :
MSVOA_N
ClientSampleId :

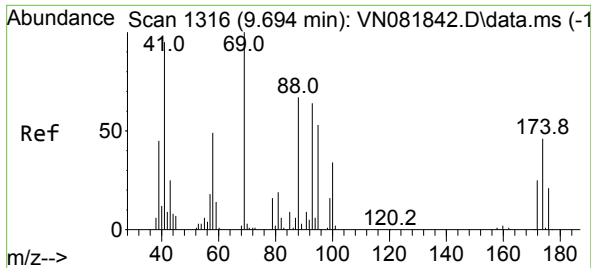
Tgt Ion: 43 Resp: 314283
Ion Ratio Lower Upper
43 100
61 10.5 22.8 34.2#
87 6.7 12.0 18.0#



#48
Methyl methacrylate
Concen: 2.141 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.023 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 41 Resp: 5092
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 52.3 50.9 76.3

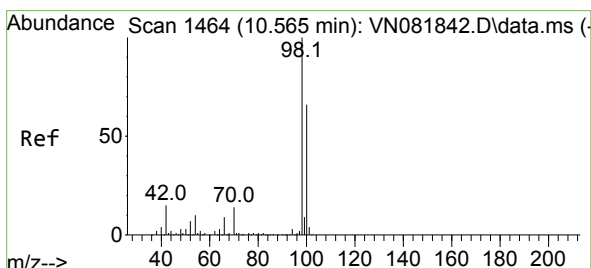
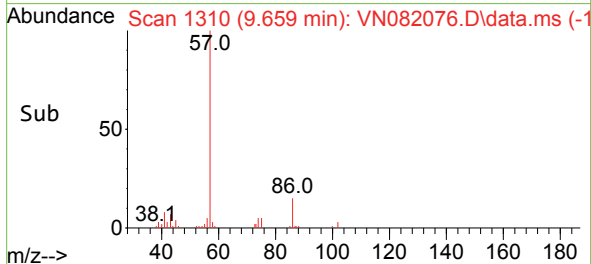
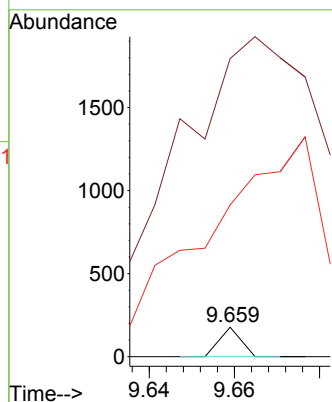
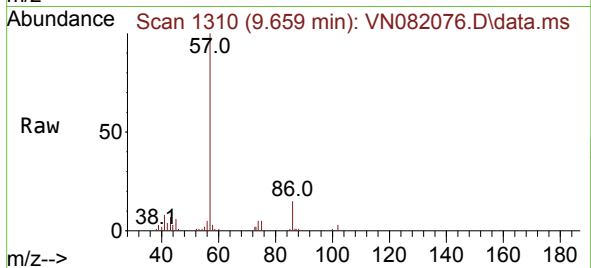




#49
1,4-Dioxane
Concen: 1.715 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

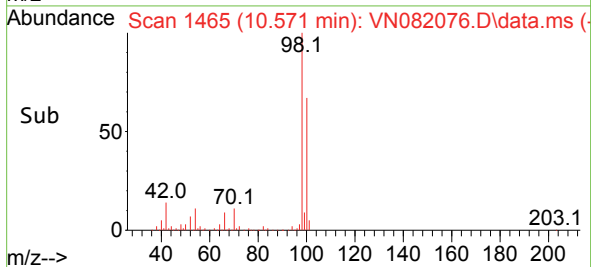
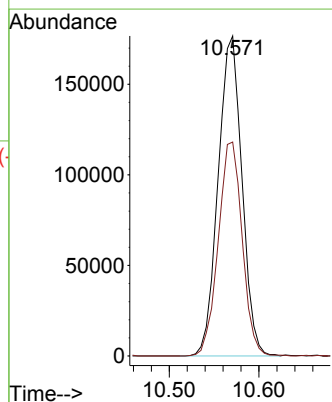
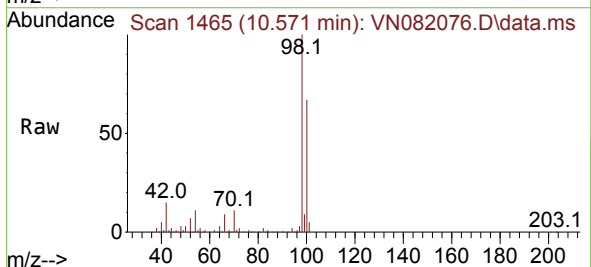
Instrument :
MSVOA_N
ClientSampleId :

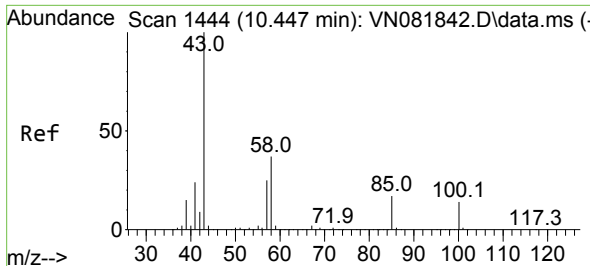
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 4456.5 50.6 76.0#



#50
Toluene-d8
Concen: 54.978 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 98 Resp: 325274
Ion Ratio Lower Upper
98 100
100 67.3 51.8 77.6

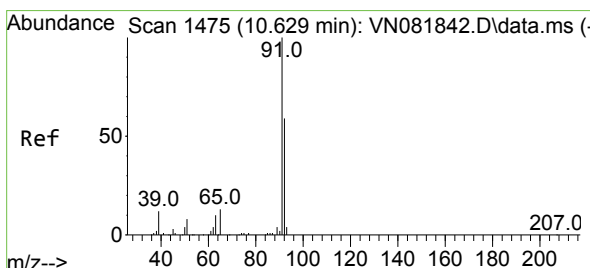
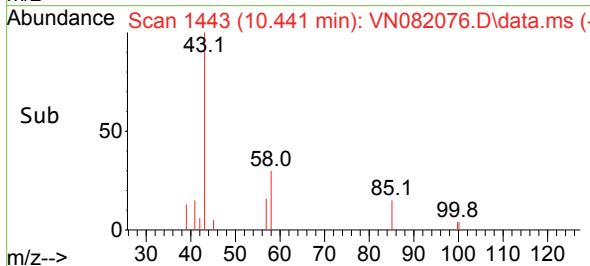
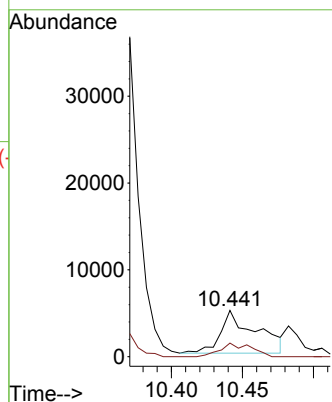
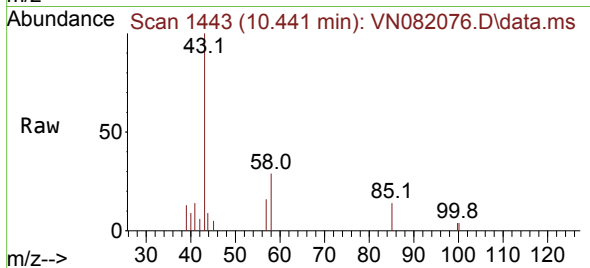




#51
4-Methyl-2-Pentanone
Concen: 3.038 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

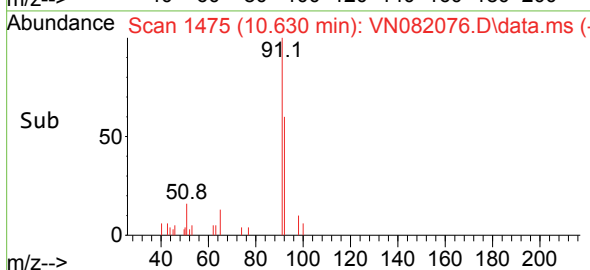
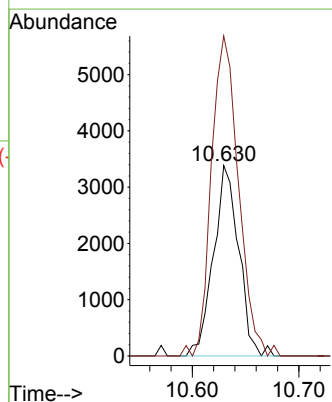
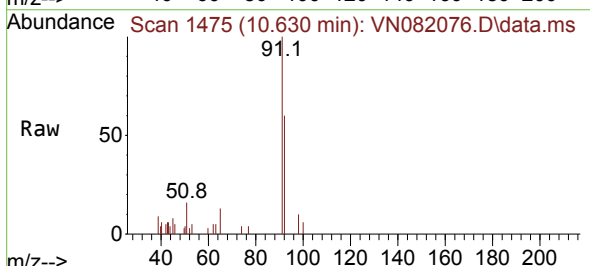
Instrument :
MSVOA_N
ClientSampleId :

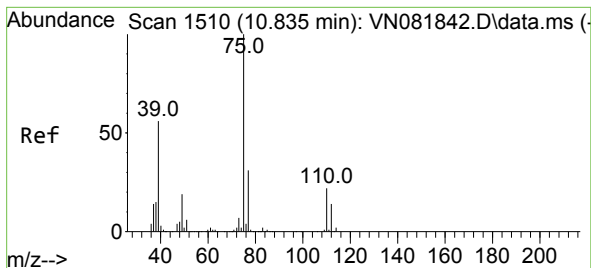
Tgt Ion: 43 Resp: 8522
Ion Ratio Lower Upper
43 100
58 27.8 33.2 49.8#



#52
Toluene
Concen: 1.268 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

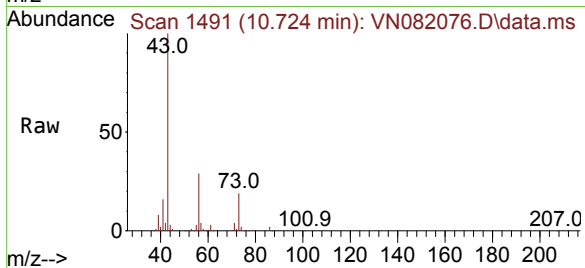
Tgt Ion: 92 Resp: 5587
Ion Ratio Lower Upper
92 100
91 180.1 136.7 205.1



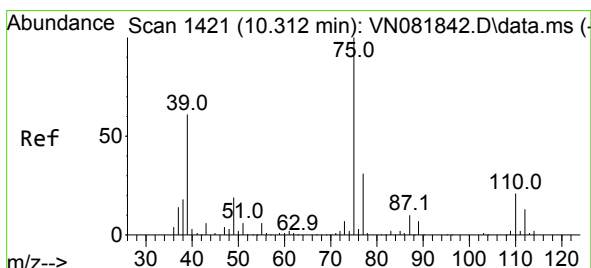
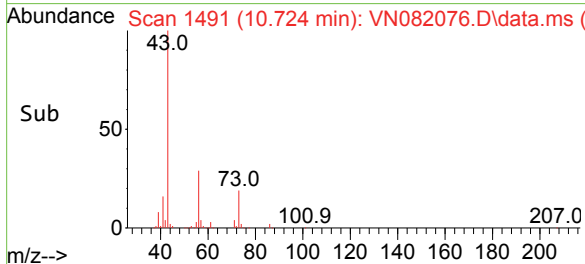
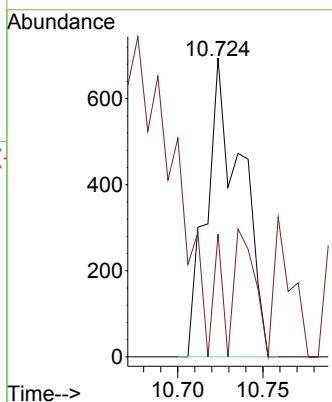


#53
 t-1,3-Dichloropropene
 Concen: 0.324 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082076.D
 Acq: 10 May 2024 17:45

Instrument :
 MSVOA_N
 ClientSampleId :

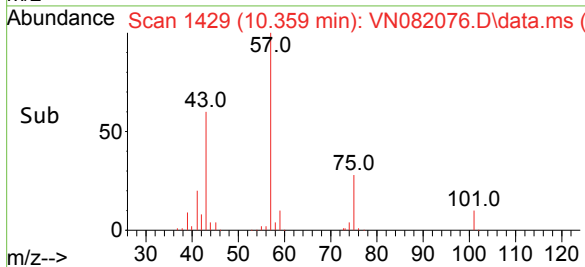
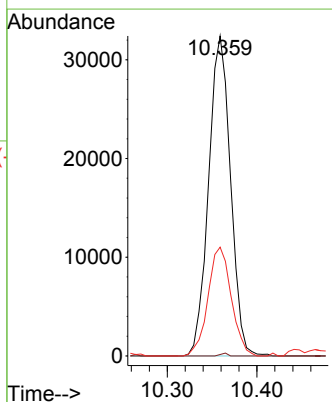
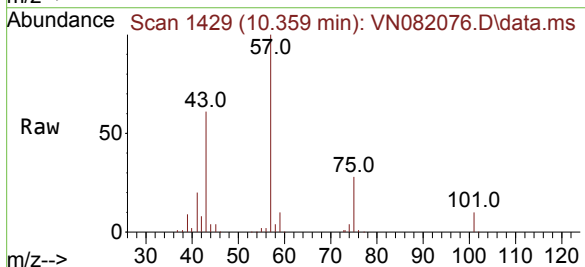


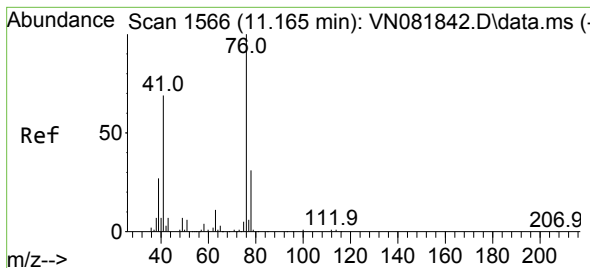
Tgt Ion: 75 Resp: 988
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.472 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082076.D
 Acq: 10 May 2024 17:45

Tgt Ion: 75 Resp: 54993
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 34.0 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.996 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

Instrument :

MSVOA_N

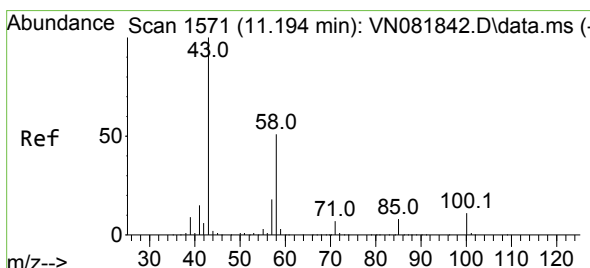
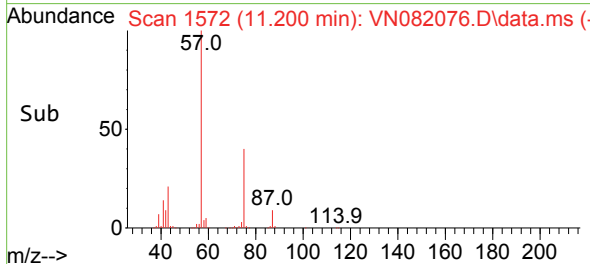
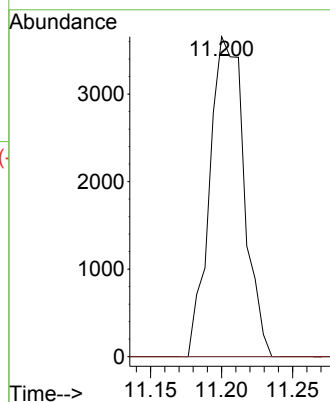
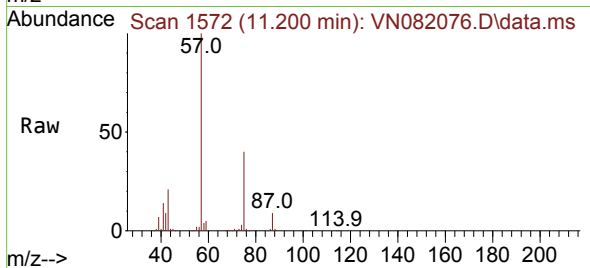
ClientSampleId :

Tgt Ion: 76 Resp: 6149

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 64.177 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN082076.D

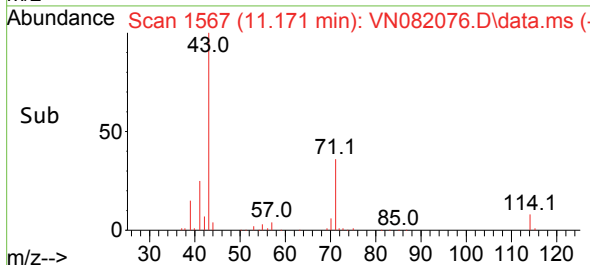
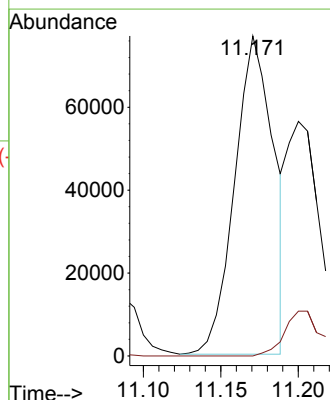
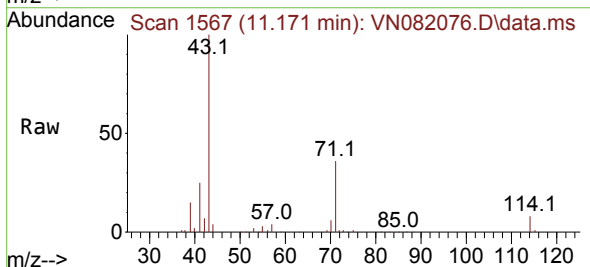
Acq: 10 May 2024 17:45

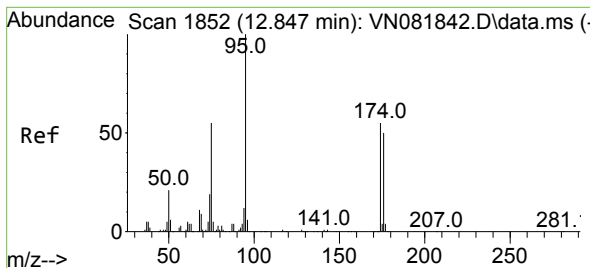
Tgt Ion: 43 Resp: 133960

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

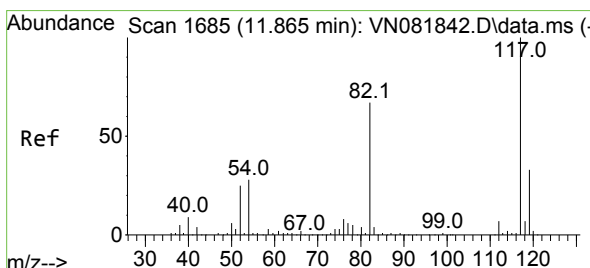
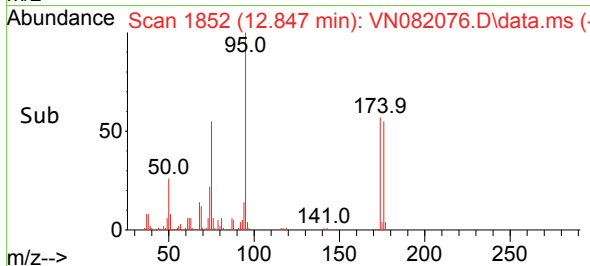
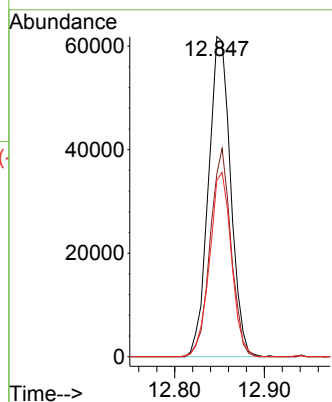
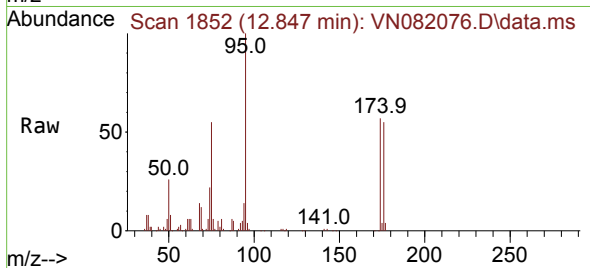




#62
4-Bromofluorobenzene
Concen: 45.304 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

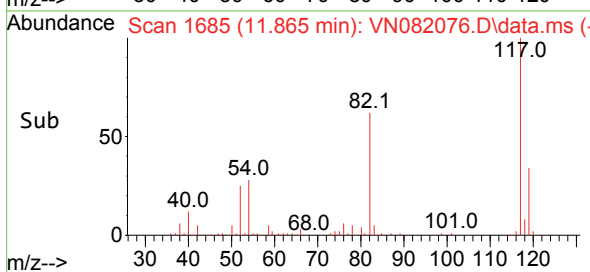
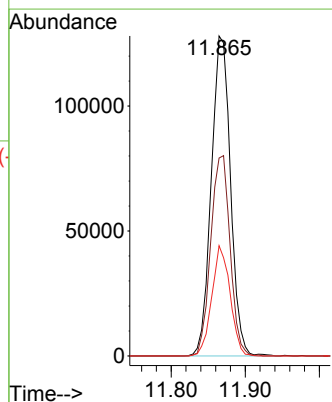
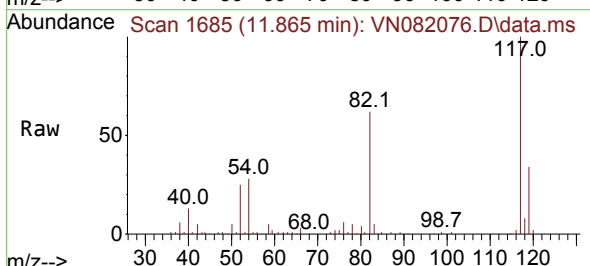
Instrument :
MSVOA_N
ClientSampleId :

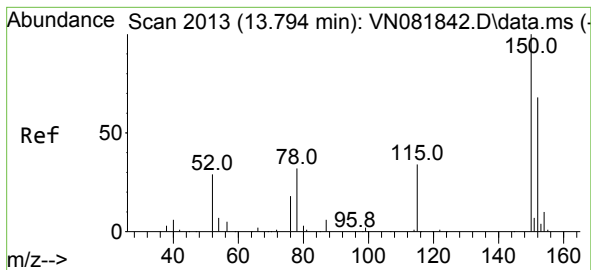
Tgt Ion: 95 Resp: 105958
Ion Ratio Lower Upper
95 100
174 61.2 0.0 160.6
176 56.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 117 Resp: 230410
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 34.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

Instrument :

MSVOA_N

ClientSampleId :

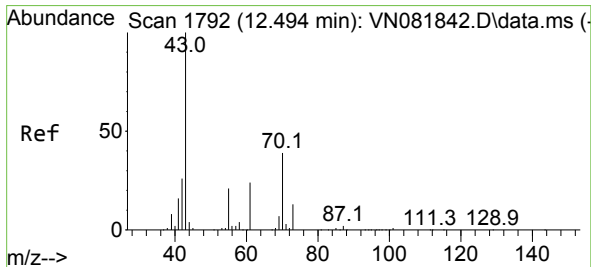
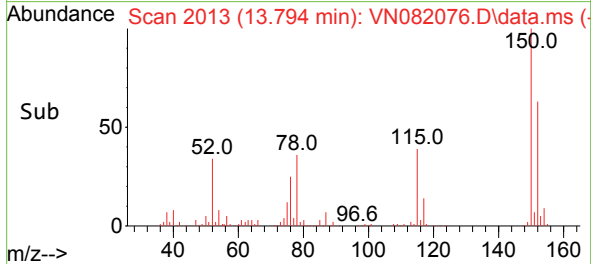
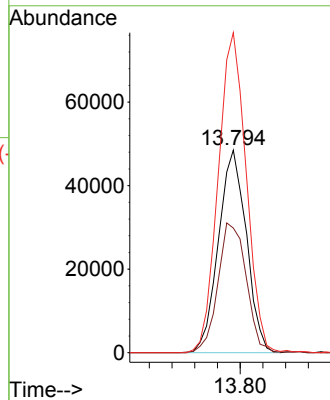
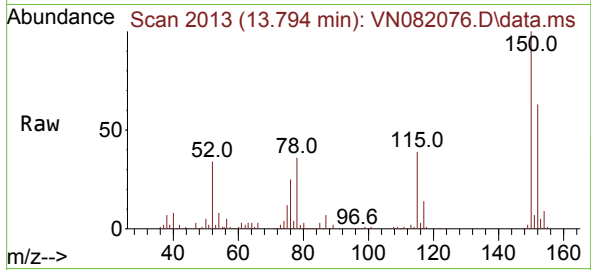
Tgt Ion:152 Resp: 82765

Ion Ratio Lower Upper

152 100

115 65.2 30.4 91.3

150 158.9 0.0 353.2



#74

N-ethyl acetate

Concen: 0.291 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN082076.D

Acq: 10 May 2024 17:45

Tgt Ion: 43 Resp: 1192

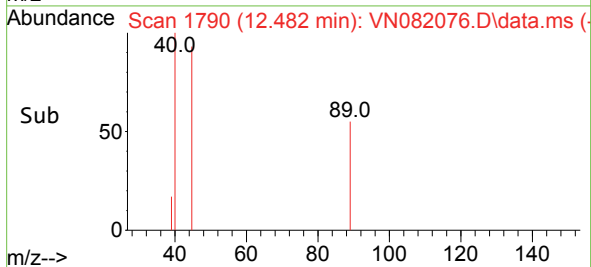
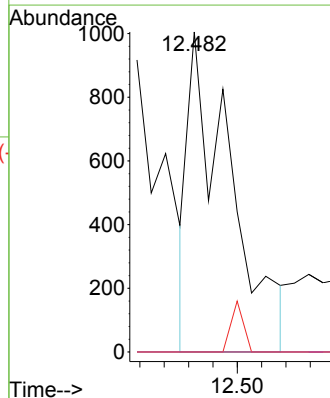
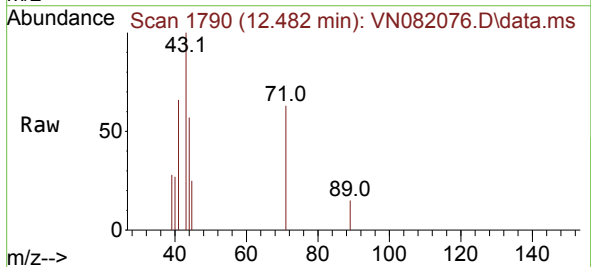
Ion Ratio Lower Upper

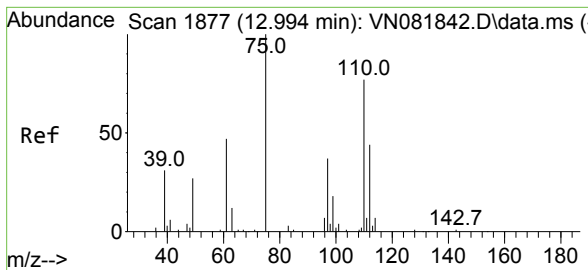
43 100

70 0.0 39.0 58.4#

55 4.7 21.3 31.9#

61 0.0 20.5 30.7#

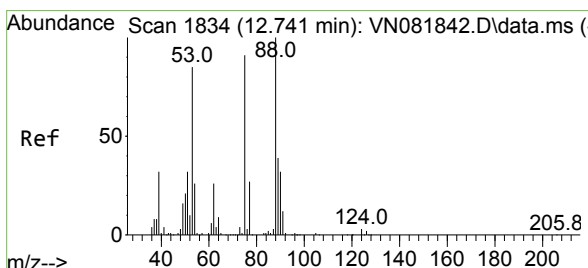
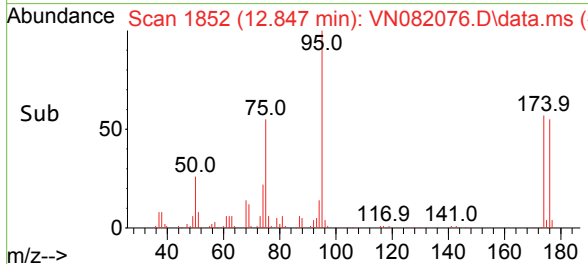
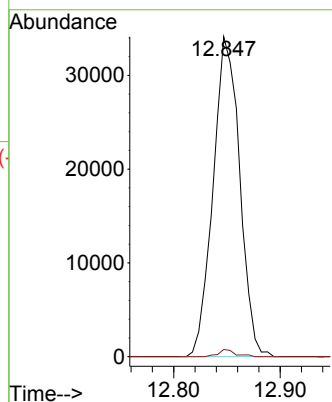
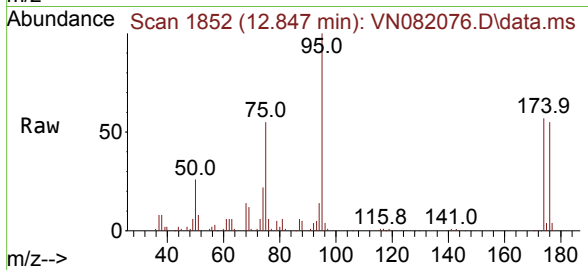




#76
1,2,3-Trichloropropane
Concen: 27.522 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 59061
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082076.D
Acq: 10 May 2024 17:45

Tgt Ion: 75 Resp: 59061
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

