

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082074.D
 Acq On : 10 May 2024 16:58
 Operator : JC\MD
 Sample : PB160834ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:24:59 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

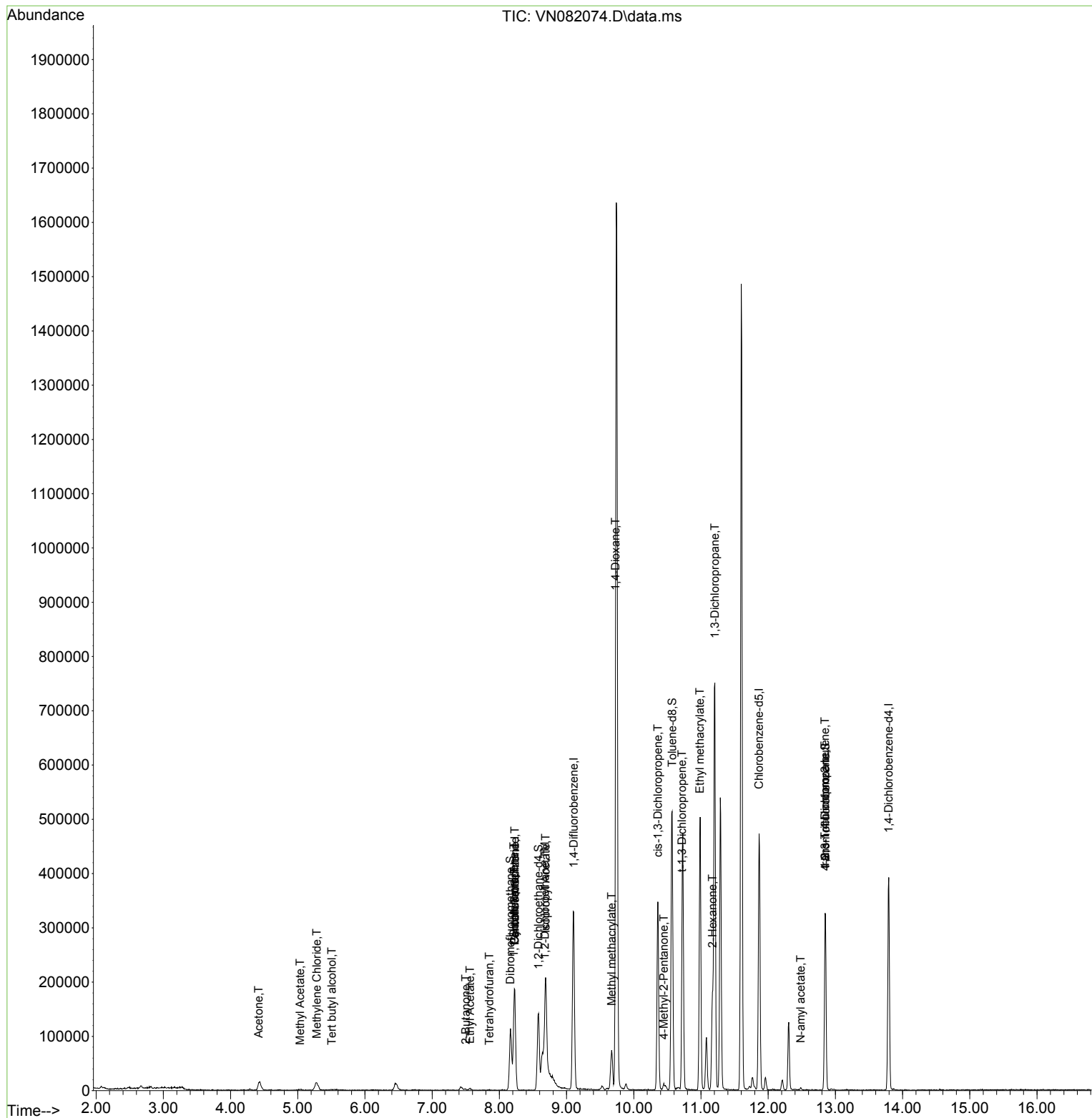
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

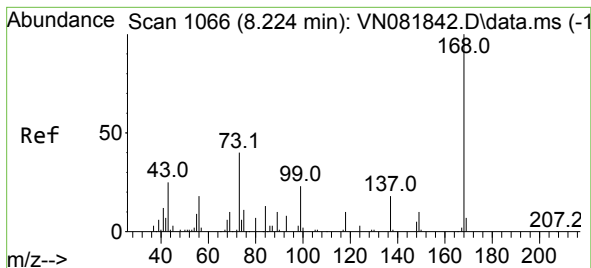
Internal Standards						
1) Pentafluorobenzene	8.229	168	121210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	266891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	111356	54.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.860%			
35) Dibromofluoromethane	8.165	113	78760	49.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.020%			
50) Toluene-d8	10.570	98	341315	54.082	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.160%			
62) 4-Bromofluorobenzene	12.853	95	112765	45.200	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.400%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	230	Below Cal	#	51
11) Tert butyl alcohol	5.506	59	738	1.984	ug/l #	71
13) Acrolein	4.200	56	217	Below Cal	#	15
16) Acetone	4.418	43	30794	46.453	ug/l #	76
18) Methyl Acetate	5.036	43	3394	1.638	ug/l #	86
20) Methylene Chloride	5.283	84	11103	6.333	ug/l	94
25) 2-Butanone	7.500	43	2911	2.507	ug/l #	84
29) Tetrahydrofuran	7.853	42	349	0.419	ug/l #	88
31) Cyclohexane	8.224	56	4373	1.419	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14241	5.447	ug/l #	45
37) Ethyl Acetate	7.565	43	4668	1.651	ug/l #	81
38) Carbon Tetrachloride	8.229	117	14936	5.846	ug/l #	16
42) 1,2-Dichloroethane	8.676	62	1715	0.589	ug/l #	73
43) Isopropyl Acetate	8.688	43	317944	59.823	ug/l #	72
48) Methyl methacrylate	9.671	41	4971	1.959	ug/l #	39
49) 1,4-Dioxane	9.729	88	131	3.397	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14433	4.824	ug/l #	62
53) t-1,3-Dichloropropene	10.718	75	1102	0.338	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	59470	17.713	ug/l #	72
56) Ethyl methacrylate	10.982	69	1288	0.366	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7435	2.263	ug/l #	42
59) 2-Hexanone	11.170	43	150734	67.698	ug/l #	23
74) N-amyl acetate	12.482	43	1944	0.442	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	64792	28.104	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64792	57.589	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :

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MSVOA_N
ClientSampleId :





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082074.D

Acq: 10 May 2024 16:58

Instrument :

MSVOA_N

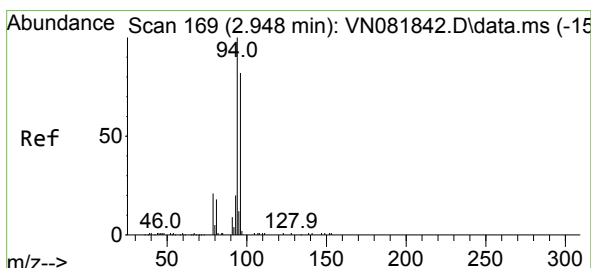
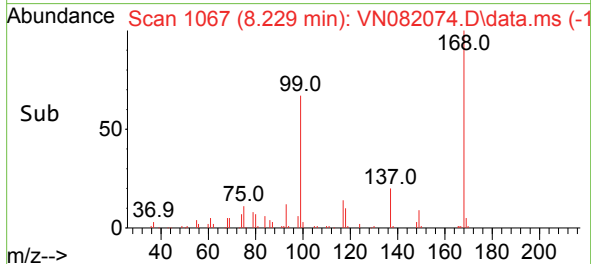
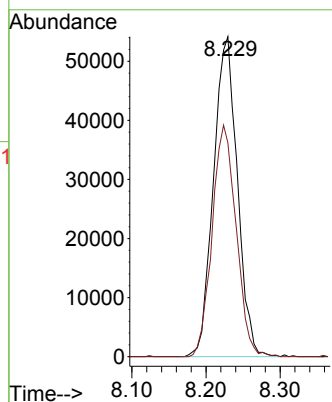
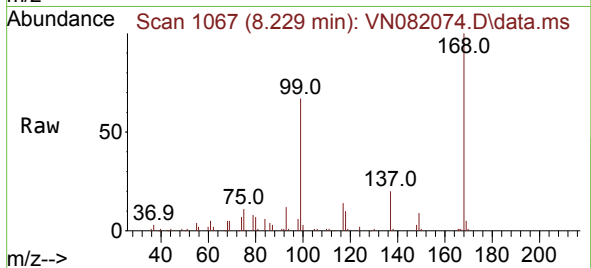
ClientSampleId :

Tgt Ion:168 Resp: 121210

Ion Ratio Lower Upper

168 100

99 66.9 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.971 min Scan# 173

Delta R.T. 0.023 min

Lab File: VN082074.D

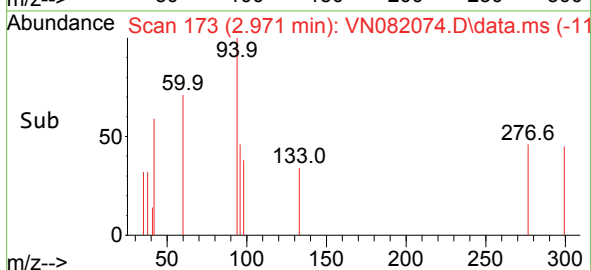
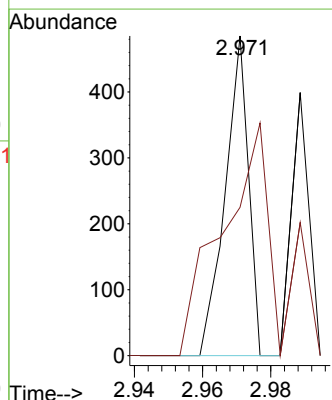
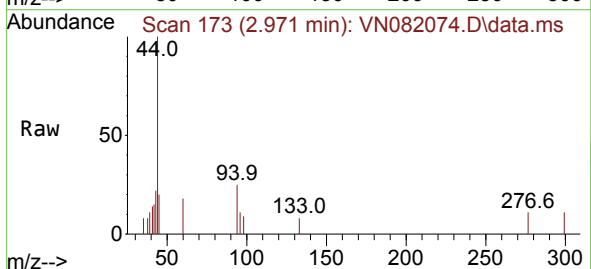
Acq: 10 May 2024 16:58

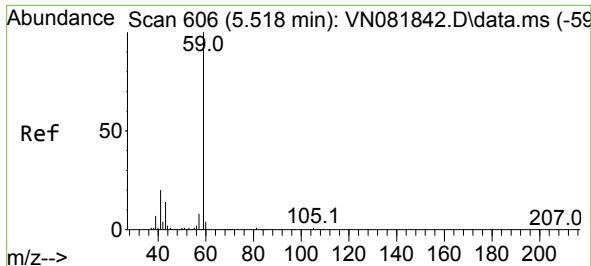
Tgt Ion: 94 Resp: 230

Ion Ratio Lower Upper

94 100

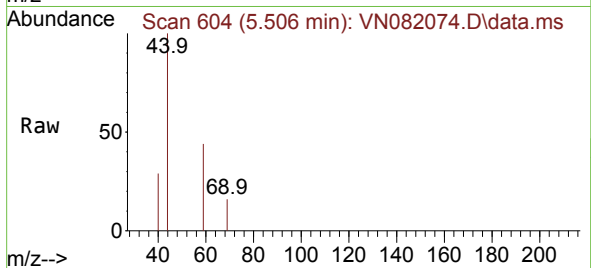
96 46.4 74.8 112.2#



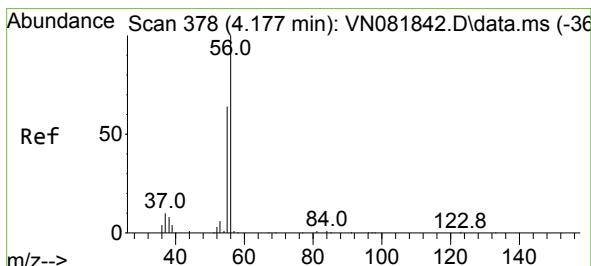
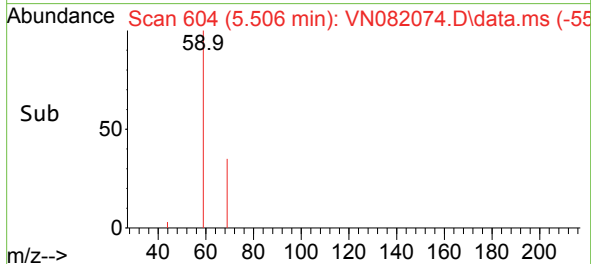
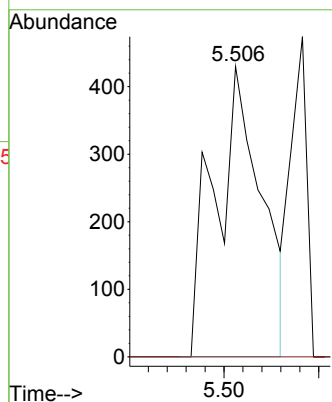


#11
Tert butyl alcohol
Concen: 1.984 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN082074.D
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Instrument :
MSVOA_N
ClientSampleId :

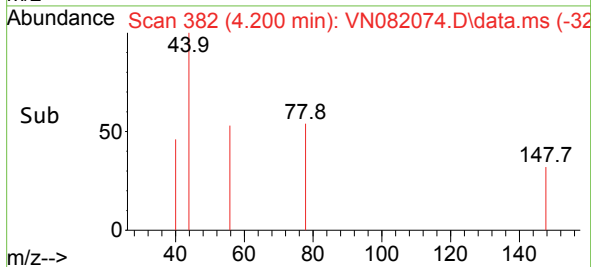
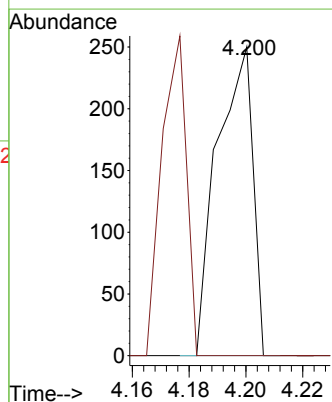
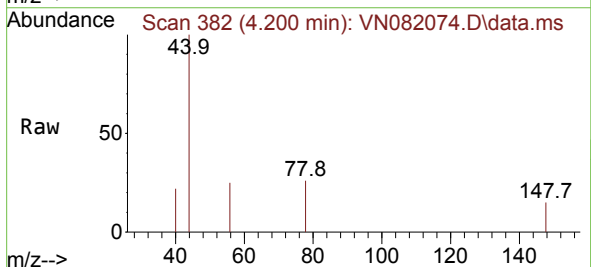


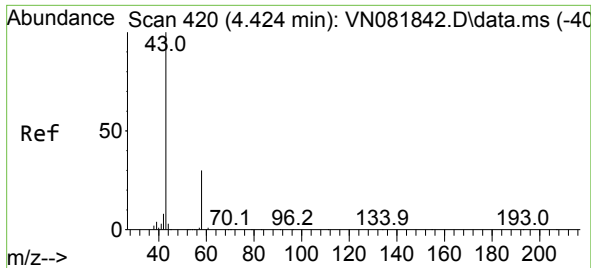
Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

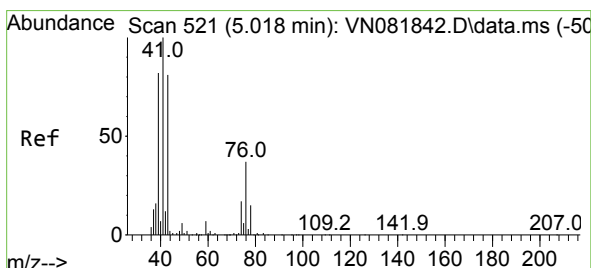
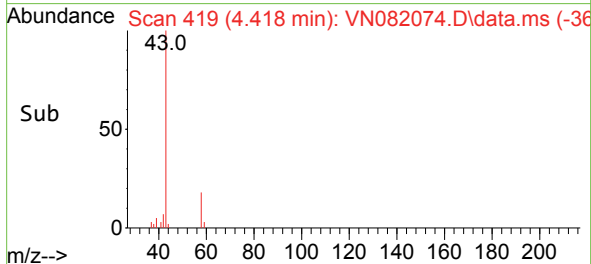
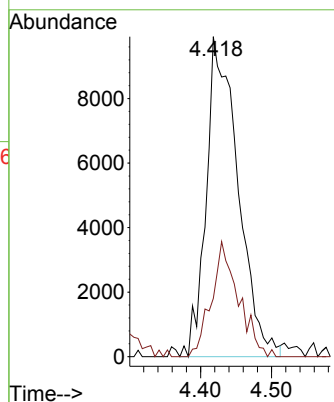
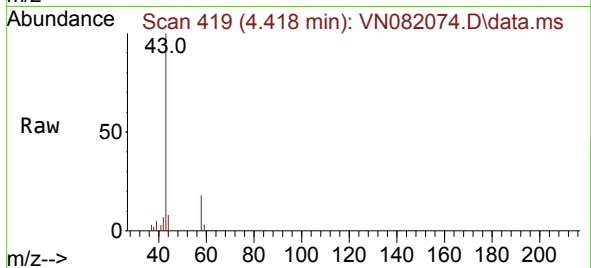




#16
Acetone
Concen: 46.453 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

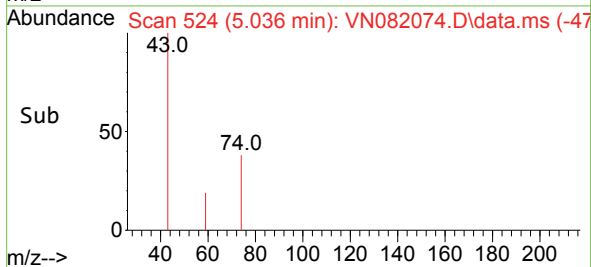
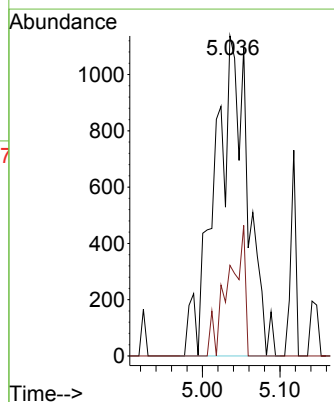
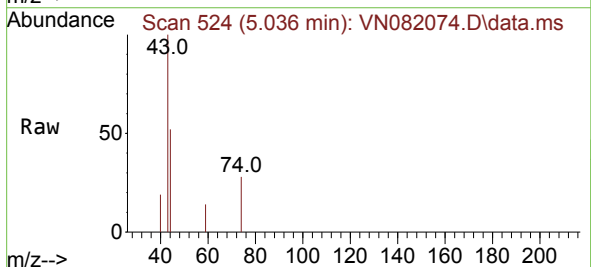
Instrument :
MSVOA_N
ClientSampleId :

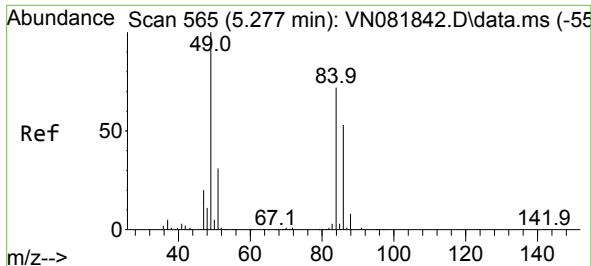
Tgt Ion: 43 Resp: 30794
Ion Ratio Lower Upper
43 100
58 18.2 25.2 37.8#



#18
Methyl Acetate
Concen: 1.638 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

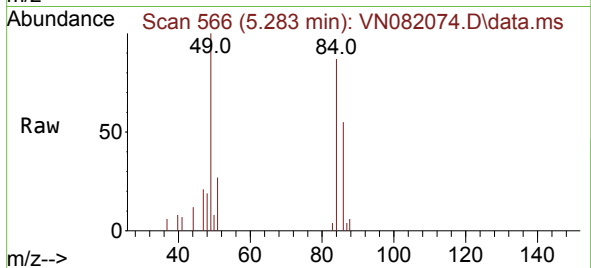
Tgt Ion: 43 Resp: 3394
Ion Ratio Lower Upper
43 100
74 20.3 22.2 33.2#



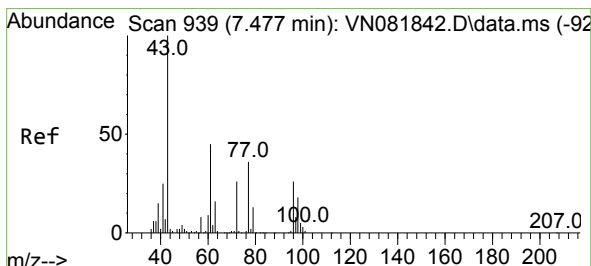
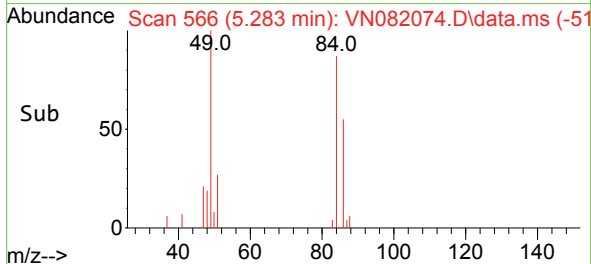
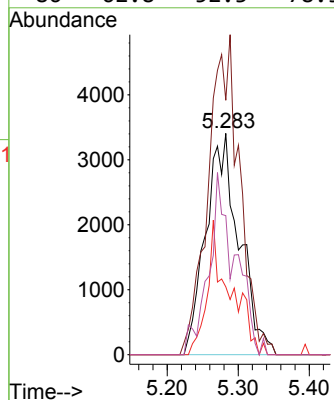


#20
Methylene Chloride
Concen: 6.333 ug/l
RT: 5.283 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

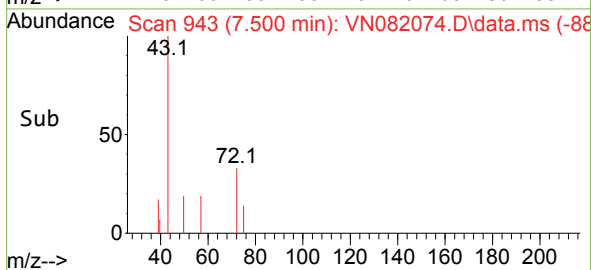
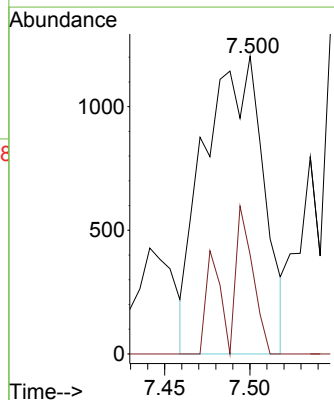
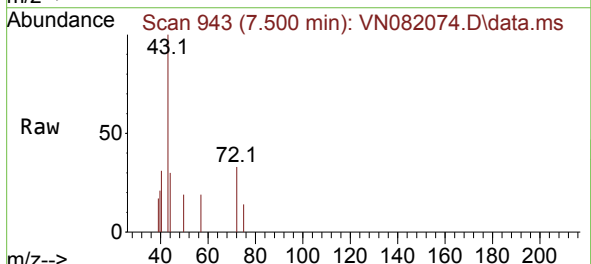


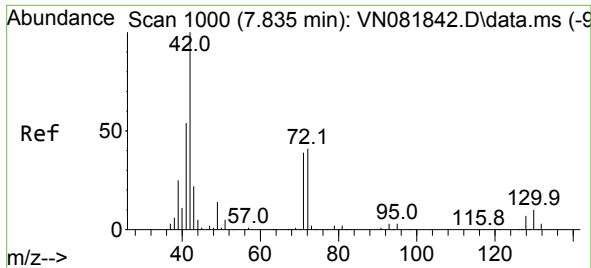
Tgt Ion:	84	Resp:	11103
Ion	Ratio	Lower	Upper
84	100		
49	114.9	84.9	127.3
51	30.6	27.0	40.6
86	62.8	52.3	78.5



#25
2-Butanone
Concen: 2.507 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.023 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

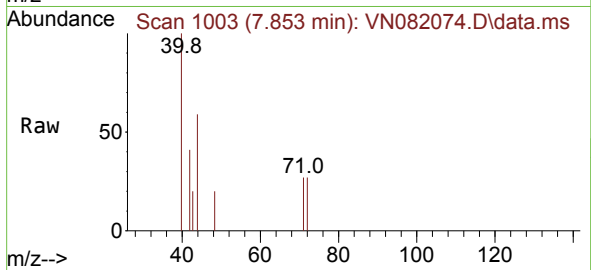
Tgt Ion:	43	Resp:	2911
Ion	Ratio	Lower	Upper
43	100		
72	40.7	25.3	37.9#



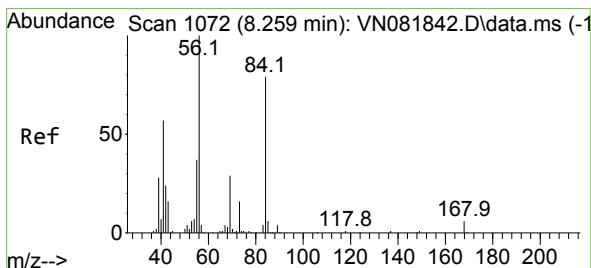
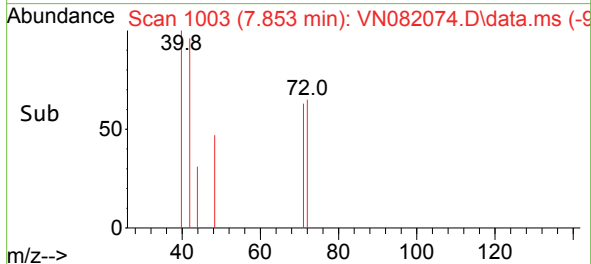
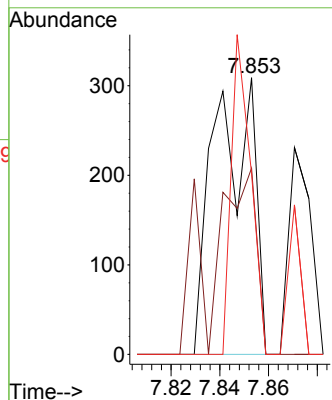


#29
Tetrahydrofuran
Concen: 0.419 ug/l
RT: 7.853 min Scan# 1066
Delta R.T. 0.018 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

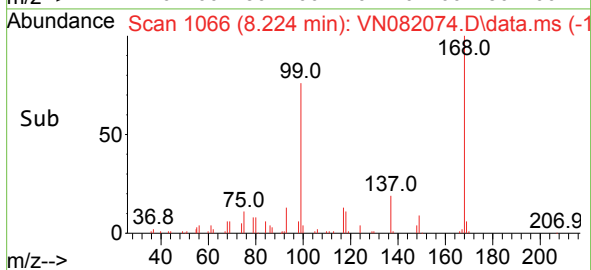
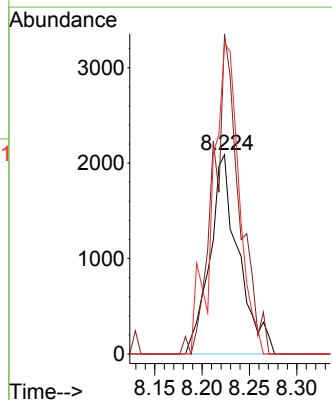
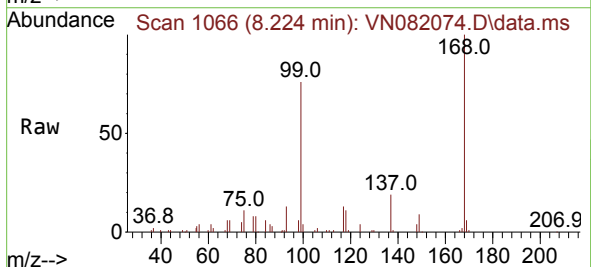


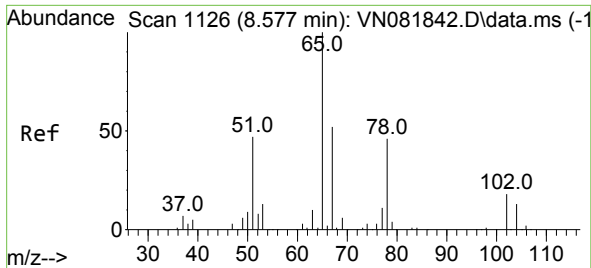
Tgt Ion: 42 Resp: 349
Ion Ratio Lower Upper
42 100
72 55.9 39.3 58.9
71 56.4 37.4 56.0#



#31
Cyclohexane
Concen: 1.419 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Tgt Ion: 56 Resp: 4373
Ion Ratio Lower Upper
56 100
69 160.7 24.4 36.6#
84 155.7 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 54.434 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082074.D

Acq: 10 May 2024 16:58

Instrument :

MSVOA_N

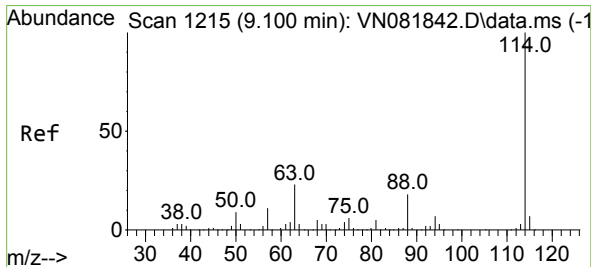
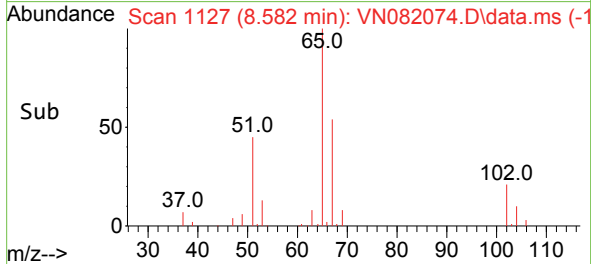
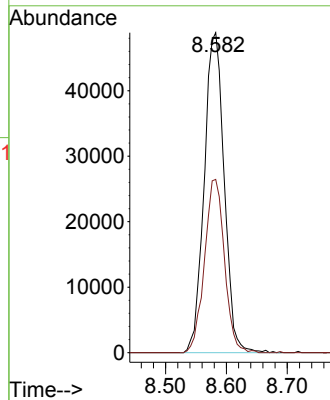
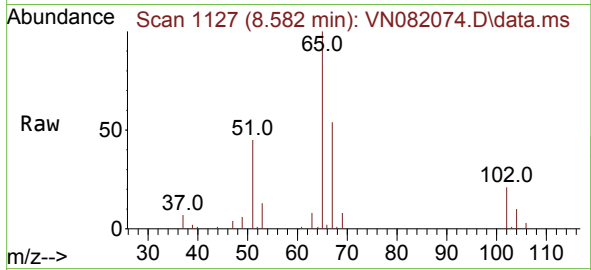
ClientSampleId :

Tgt Ion: 65 Resp: 111356

Ion Ratio Lower Upper

65 100

67 54.1 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: VN082074.D

Acq: 10 May 2024 16:58

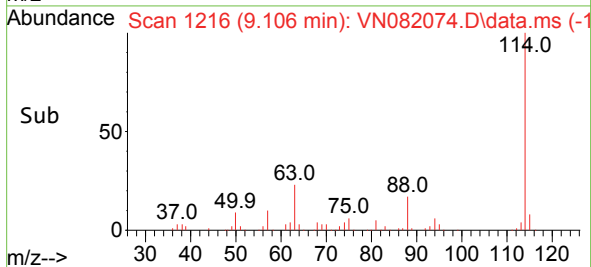
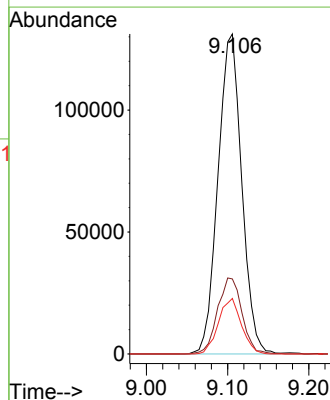
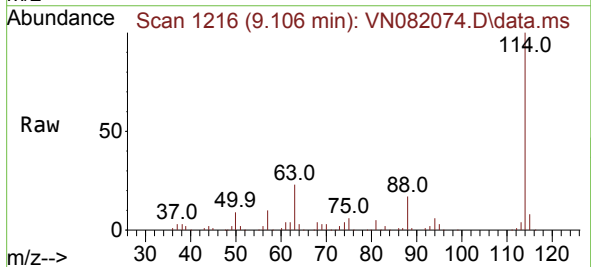
Tgt Ion: 114 Resp: 266891

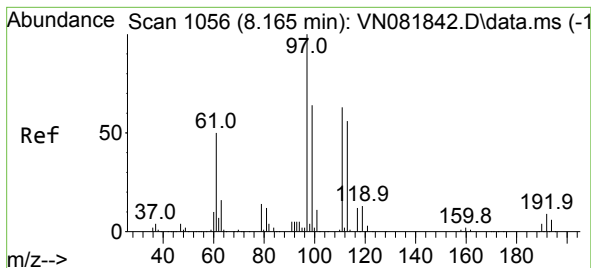
Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.0

88 17.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.013 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

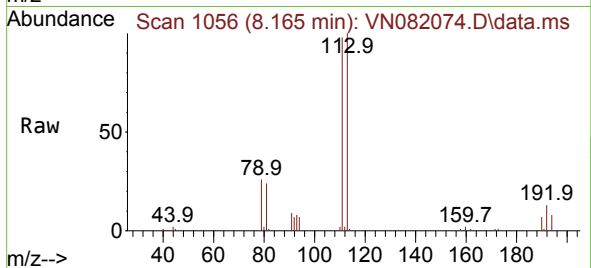
Lab File: VN082074.D

Acq: 10 May 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :



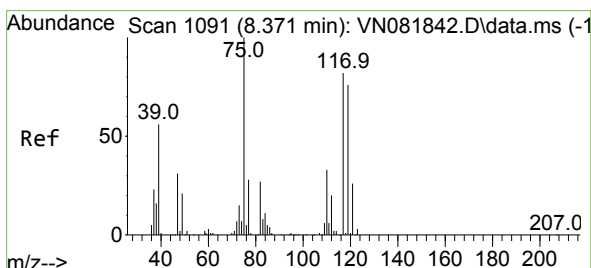
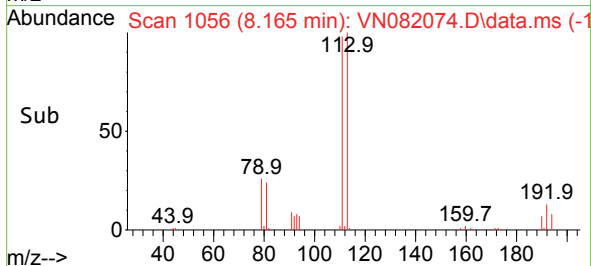
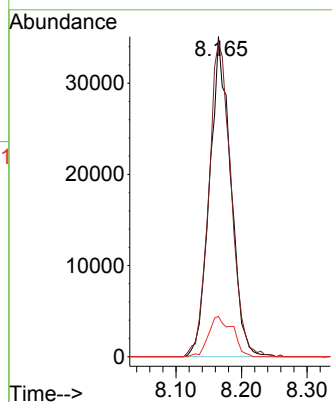
Tgt Ion:113 Resp: 78760

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

192 14.3 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.447 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082074.D

Acq: 10 May 2024 16:58

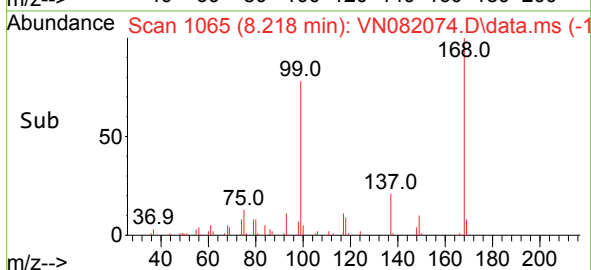
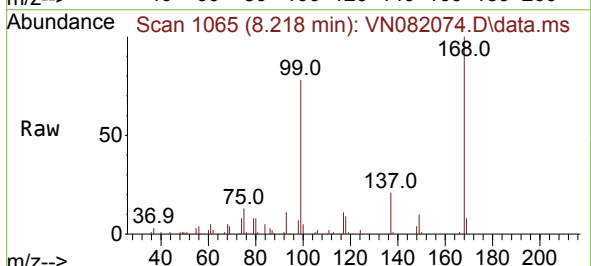
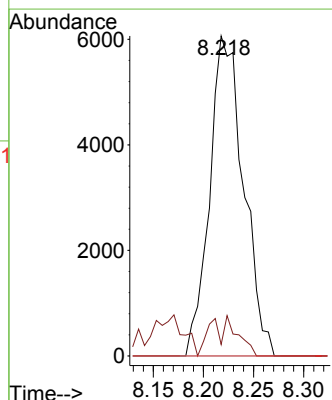
Tgt Ion: 75 Resp: 14241

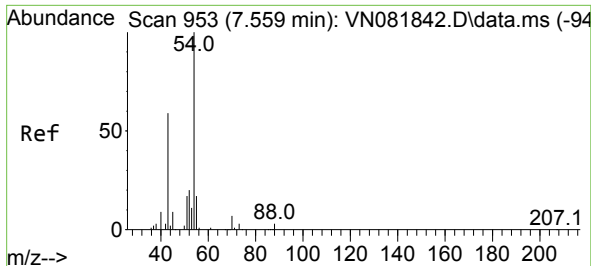
Ion Ratio Lower Upper

75 100

110 4.5 17.8 53.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.651 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

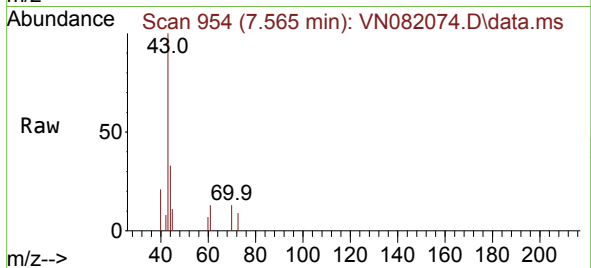
Lab File: VN082074.D

Acq: 10 May 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :



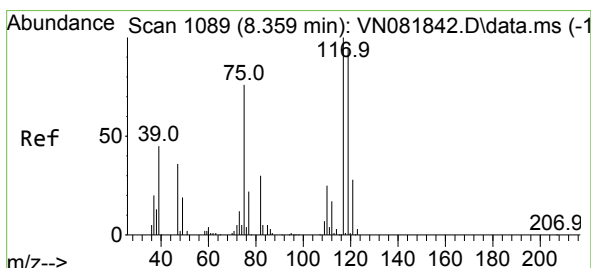
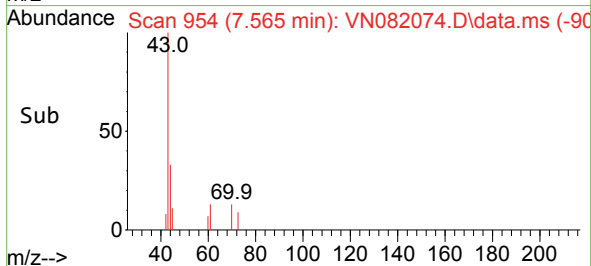
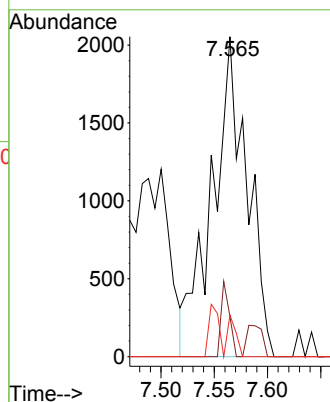
Tgt Ion: 43 Resp: 4668

Ion Ratio Lower Upper

43 100

61 5.6 11.3 16.9#

70 4.6 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN082074.D

Acq: 10 May 2024 16:58

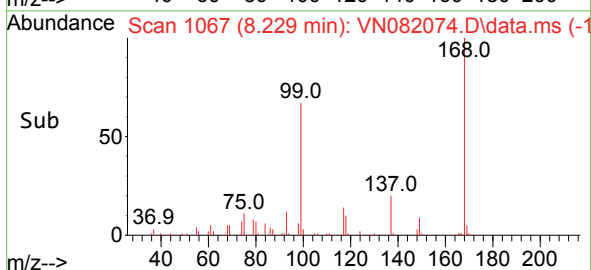
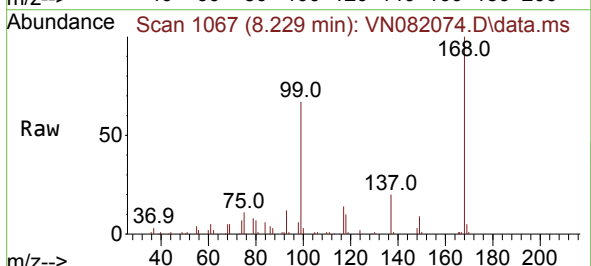
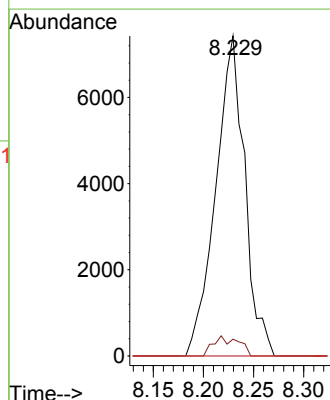
Tgt Ion: 117 Resp: 14936

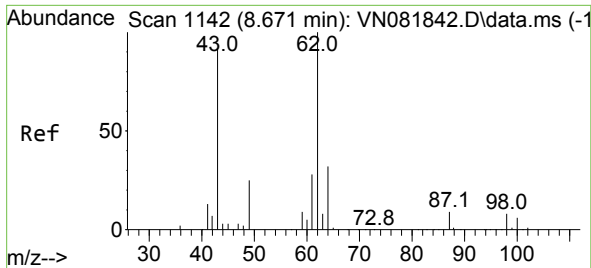
Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

121 0.0 23.9 35.9#

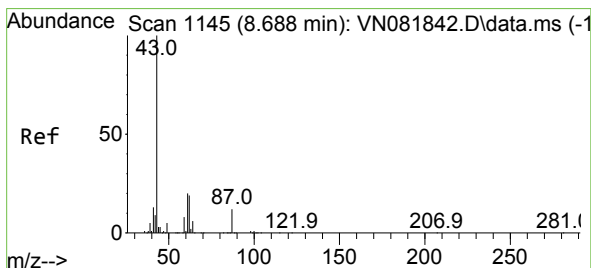
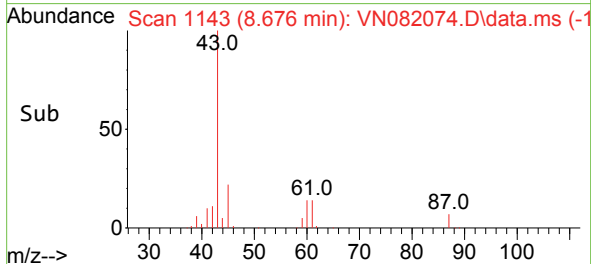
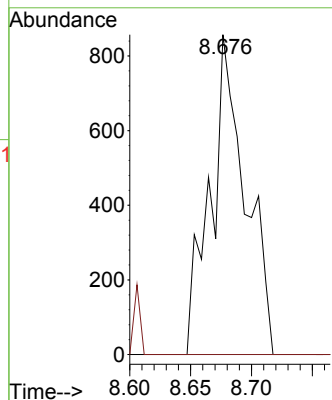
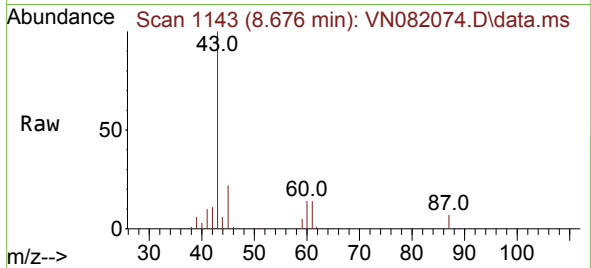




#42
1,2-Dichloroethane
Concen: 0.589 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

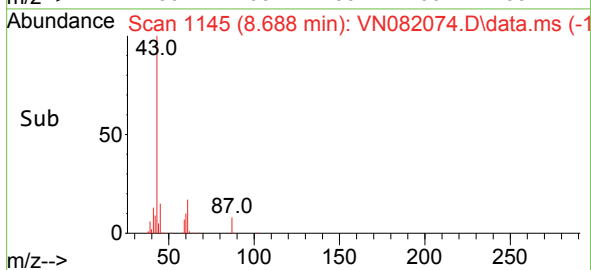
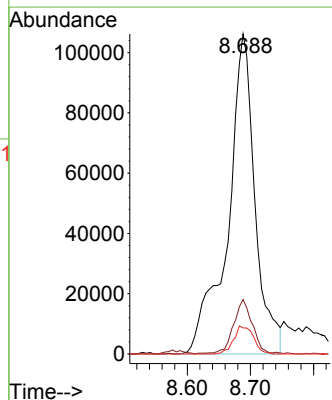
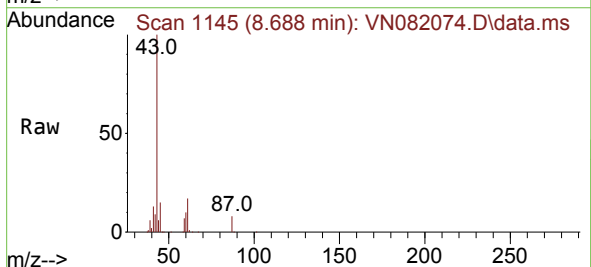
Instrument :
MSVOA_N
ClientSampleId :

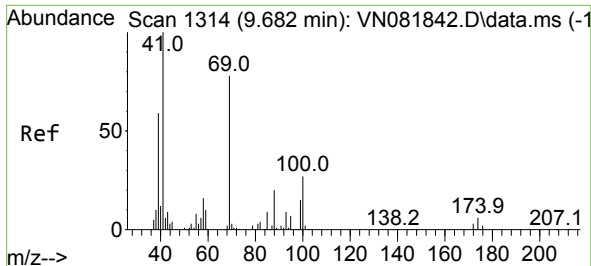
Tgt Ion: 62 Resp: 1715
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



#43
Isopropyl Acetate
Concen: 59.823 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

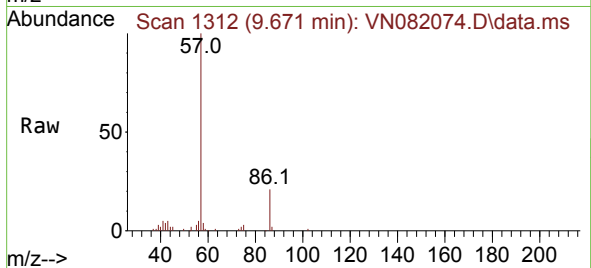
Tgt Ion: 43 Resp: 317944
Ion Ratio Lower Upper
43 100
61 12.0 22.8 34.2#
87 6.4 12.0 18.0#



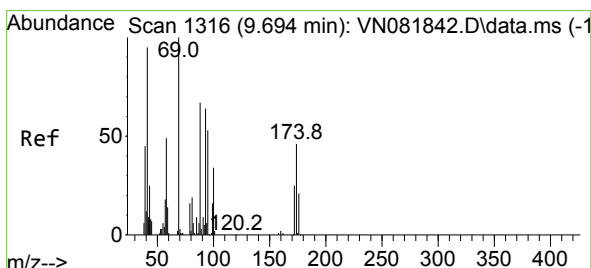
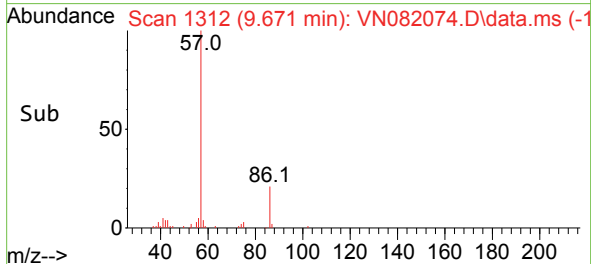
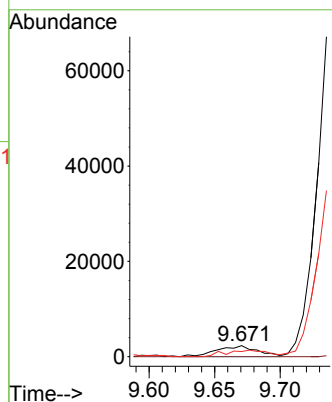


#48
Methyl methacrylate
Concen: 1.959 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.012 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

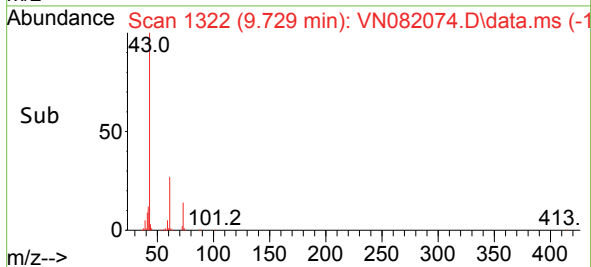
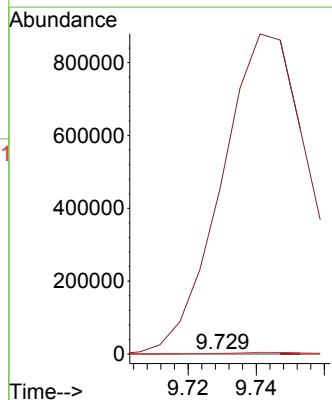
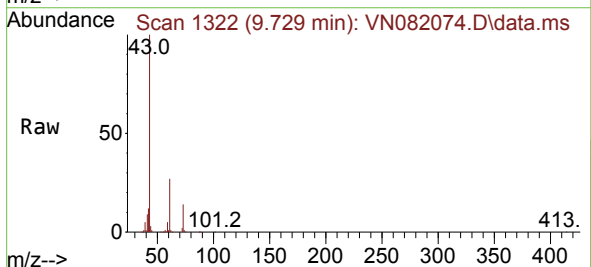


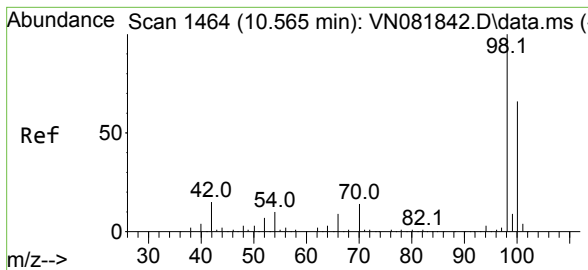
Tgt Ion: 41 Resp: 4971
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 62.2 50.9 76.3



#49
1,4-Dioxane
Concen: 3.397 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 1224796.9 19.0 28.6#
58 5210.7 50.6 76.0#

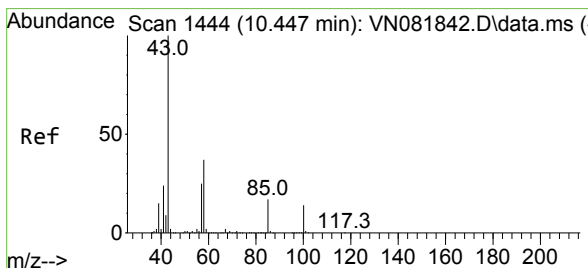
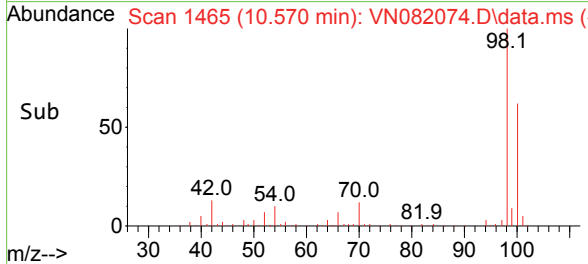
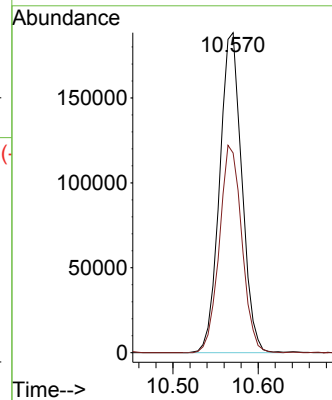
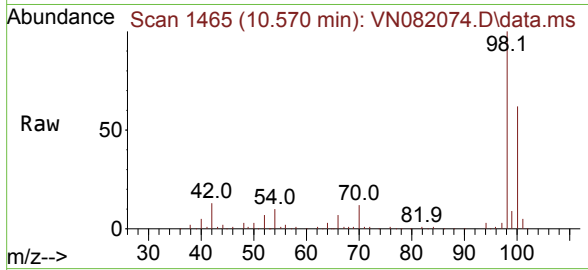




#50
Toluene-d8
Concen: 54.082 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

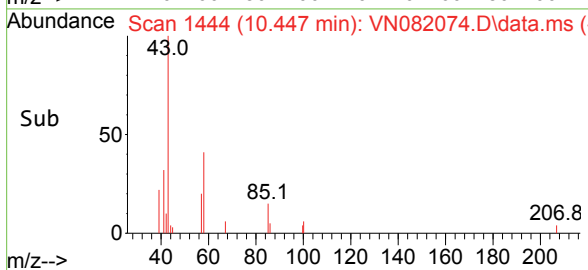
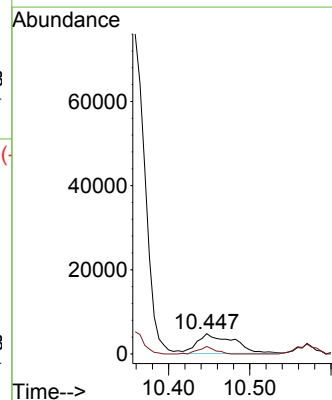
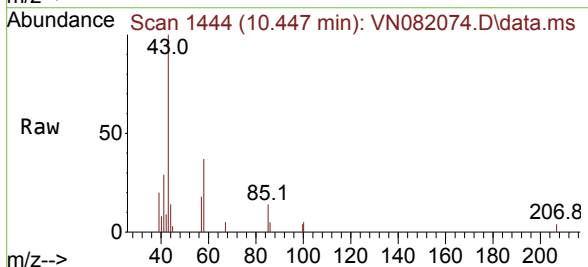
Instrument :
MSVOA_N
ClientSampleId :

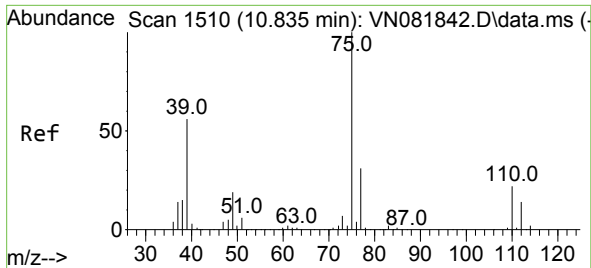
Tgt Ion: 98 Resp: 341315
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.824 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Tgt Ion: 43 Resp: 14433
Ion Ratio Lower Upper
43 100
58 17.8 33.2 49.8#

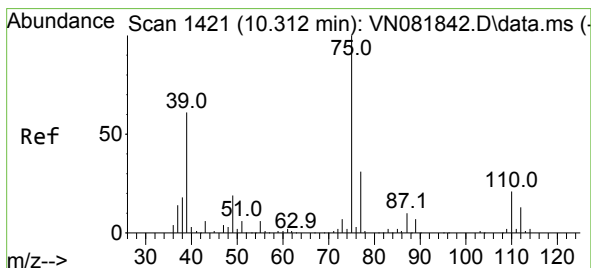
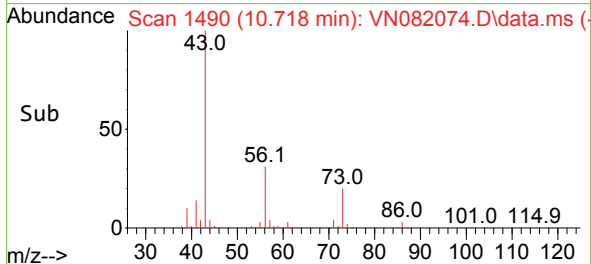
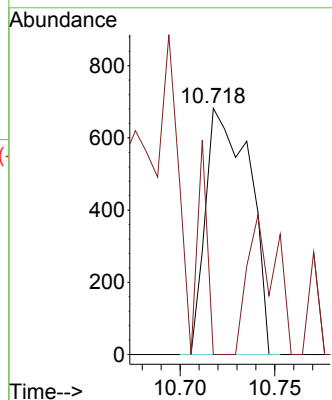
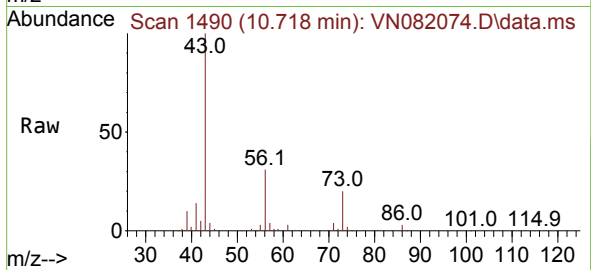




#53
 t-1,3-Dichloropropene
 Concen: 0.338 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN082074.D
 Acq: 10 May 2024 16:58

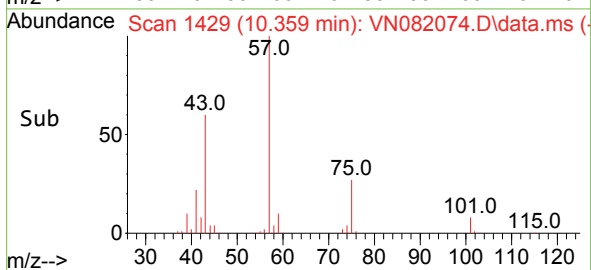
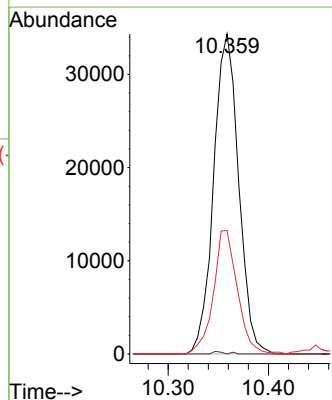
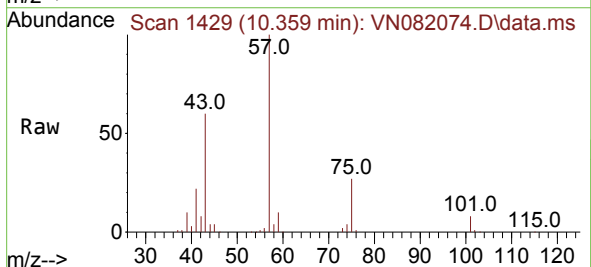
Instrument :
 MSVOA_N
 ClientSampleId :

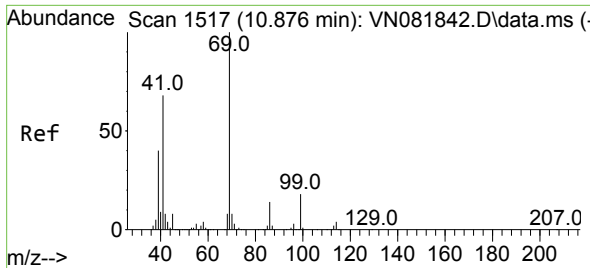
Tgt Ion: 75 Resp: 1102
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 17.713 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082074.D
 Acq: 10 May 2024 16:58

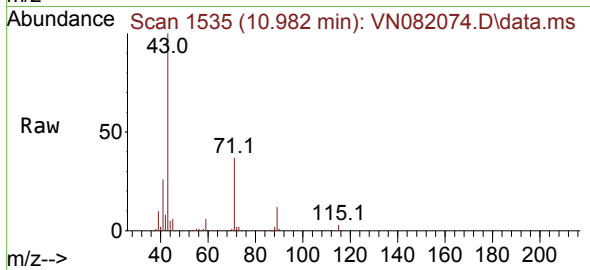
Tgt Ion: 75 Resp: 59470
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 38.6 34.8 52.2



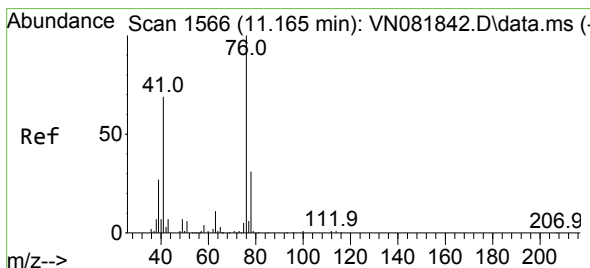
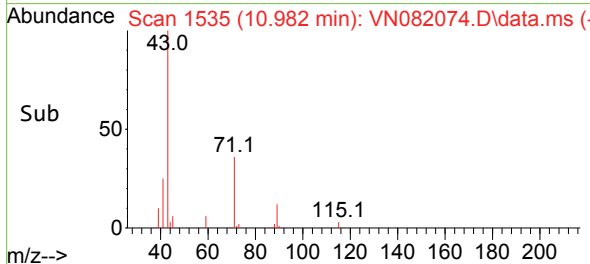
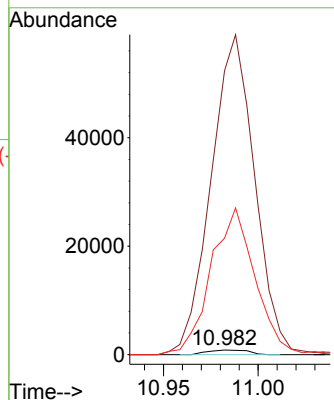


#56
Ethyl methacrylate
Concen: 0.366 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

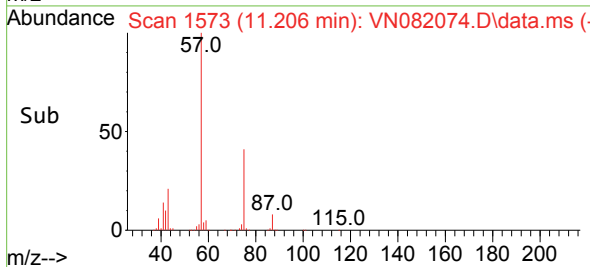
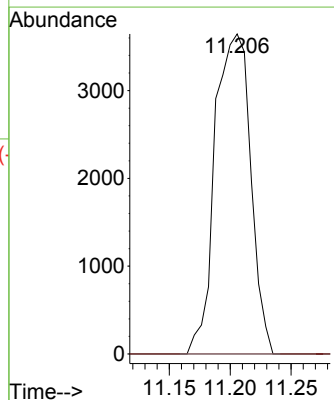
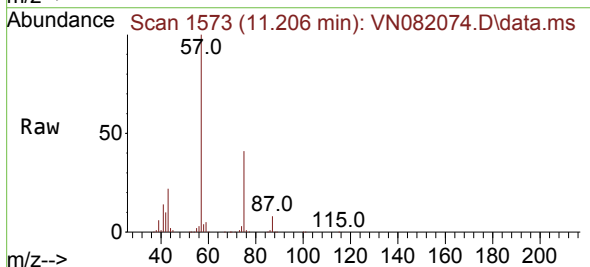


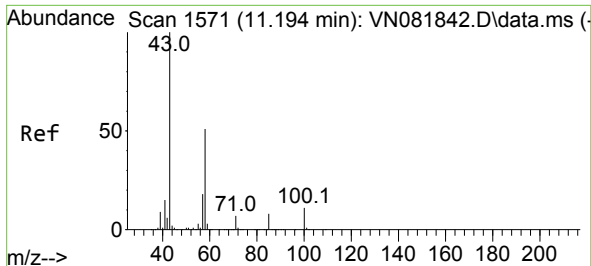
Tgt Ion: 69 Resp: 1288
Ion Ratio Lower Upper
69 100
41 7397.9 46.6 70.0#
39 3433.2 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.263 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Tgt Ion: 76 Resp: 7435
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

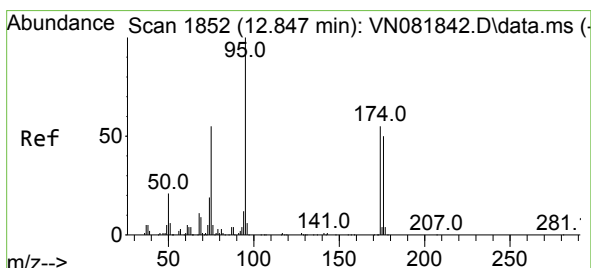
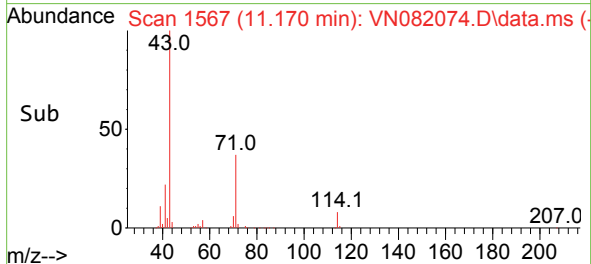
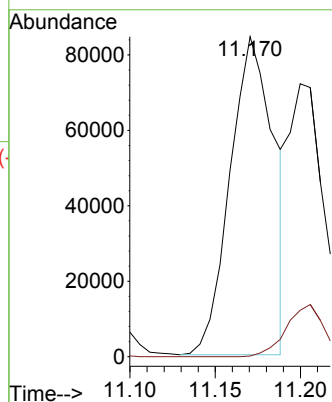
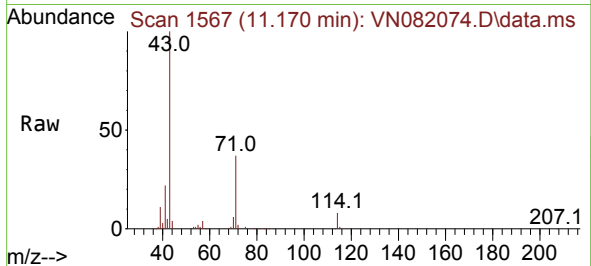




#59
2-Hexanone
Concen: 67.698 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

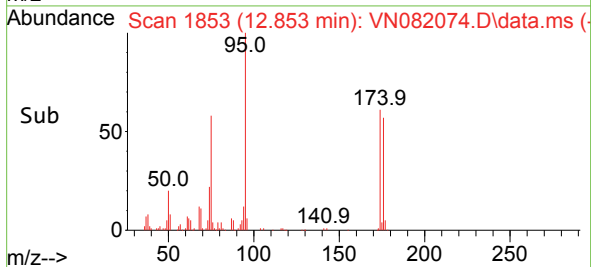
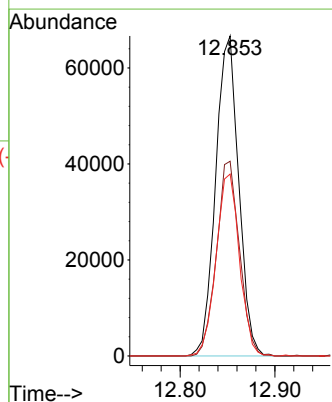
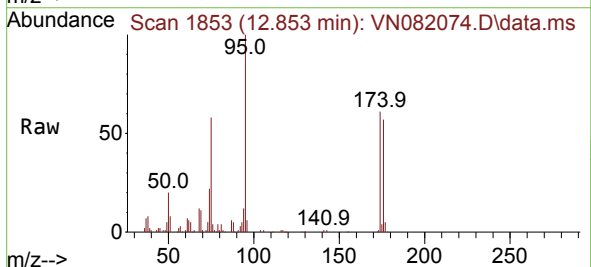
Instrument :
MSVOA_N
ClientSampleId :

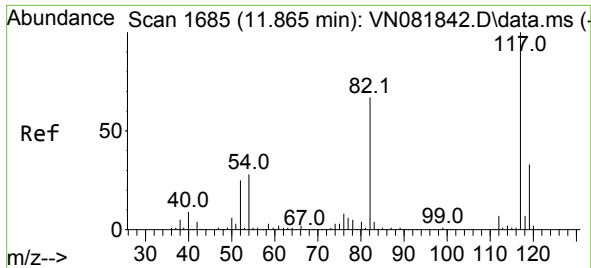
Tgt Ion: 43 Resp: 150734
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.200 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

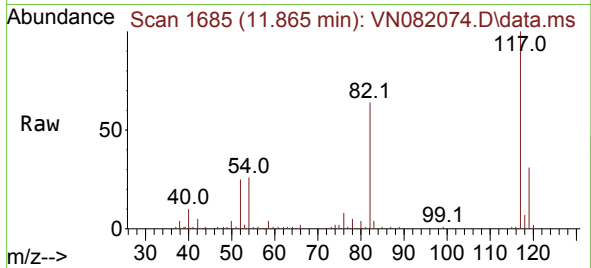
Tgt Ion: 95 Resp: 112765
Ion Ratio Lower Upper
95 100
174 60.7 0.0 160.6
176 57.7 0.0 152.8



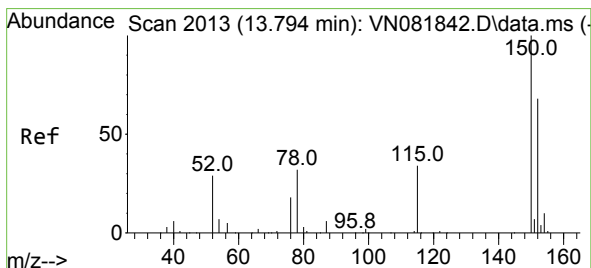
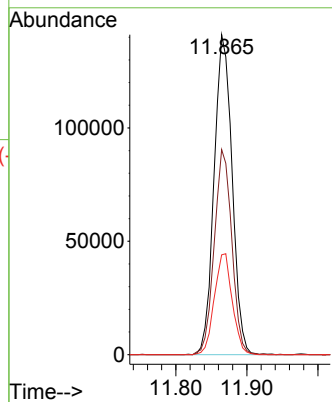
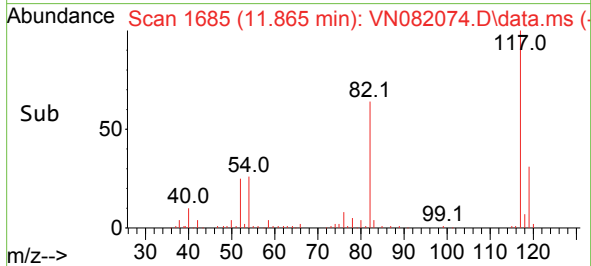


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

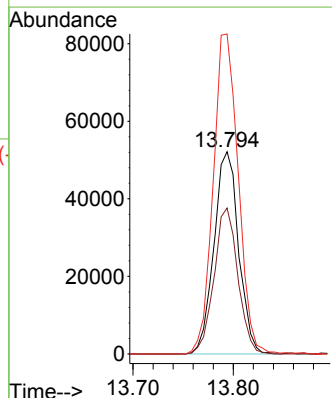
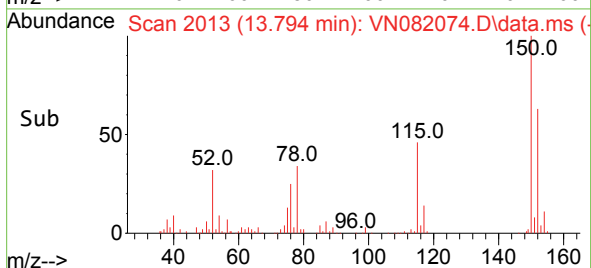
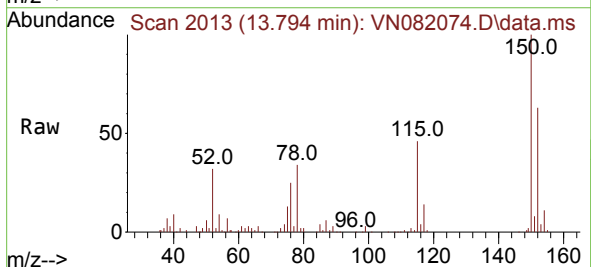


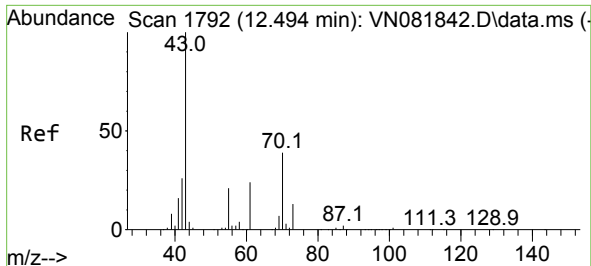
Tgt Ion:117 Resp: 248189
Ion Ratio Lower Upper
117 100
82 64.1 44.6 66.8
119 31.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

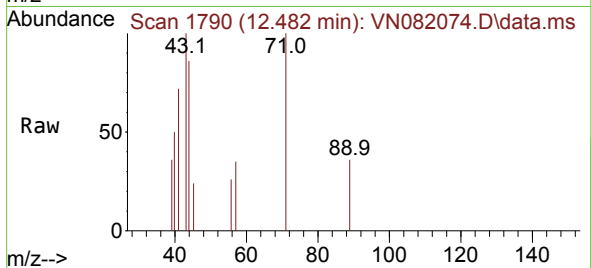
Tgt Ion:152 Resp: 88917
Ion Ratio Lower Upper
152 100
115 69.9 30.4 91.3
150 161.1 0.0 353.2



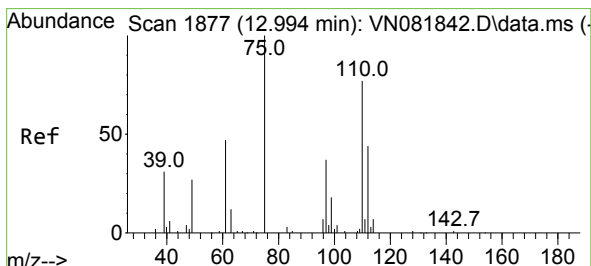
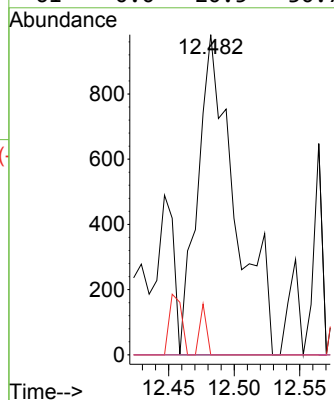
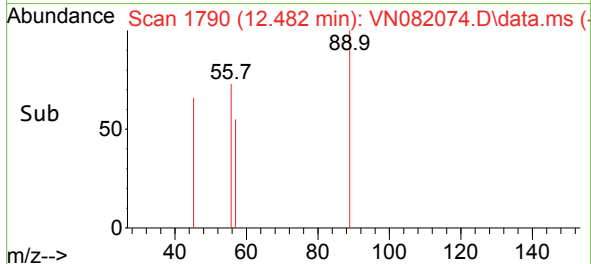


#74
N-amy1 acetate
Concen: 0.442 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

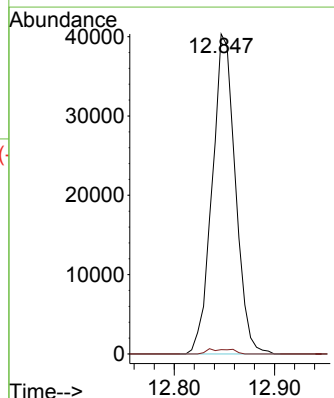
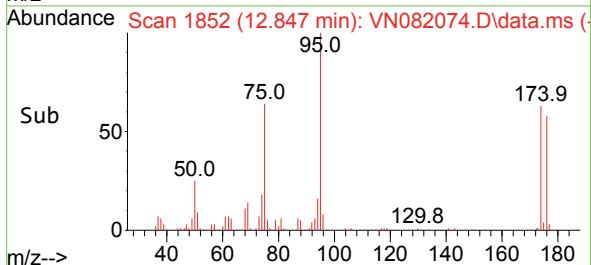
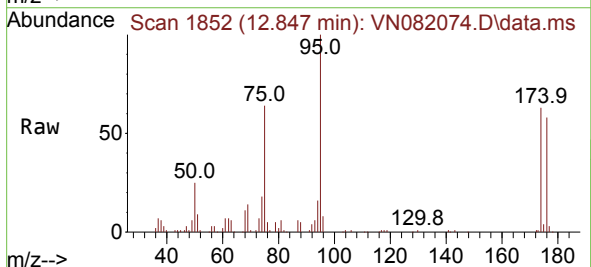


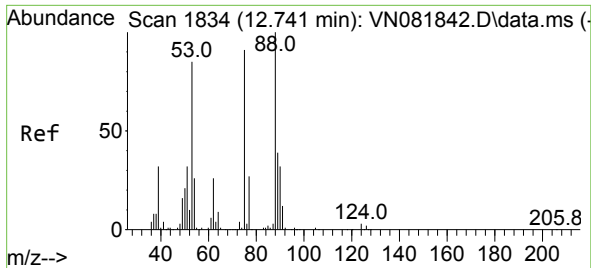
Tgt Ion: 43	Resp: 1944
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 2.8	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 28.104 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082074.D
Acq: 10 May 2024 16:58

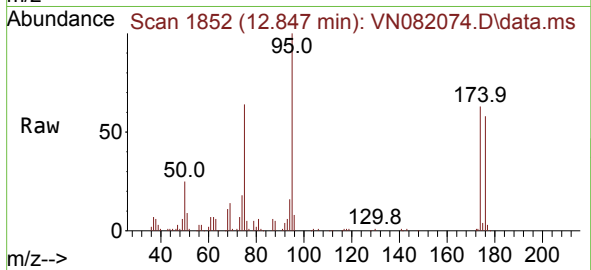
Tgt Ion: 75	Resp: 64792
Ion Ratio	Lower Upper
75 100	
77 1.7	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.589 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082074.D
 Acq: 10 May 2024 16:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.9	109.3#
89	0.1	39.1	58.7#

