

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082294.D
 Acq On : 22 May 2024 15:49
 Operator : JC\MD
 Sample : PB161037ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:53:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

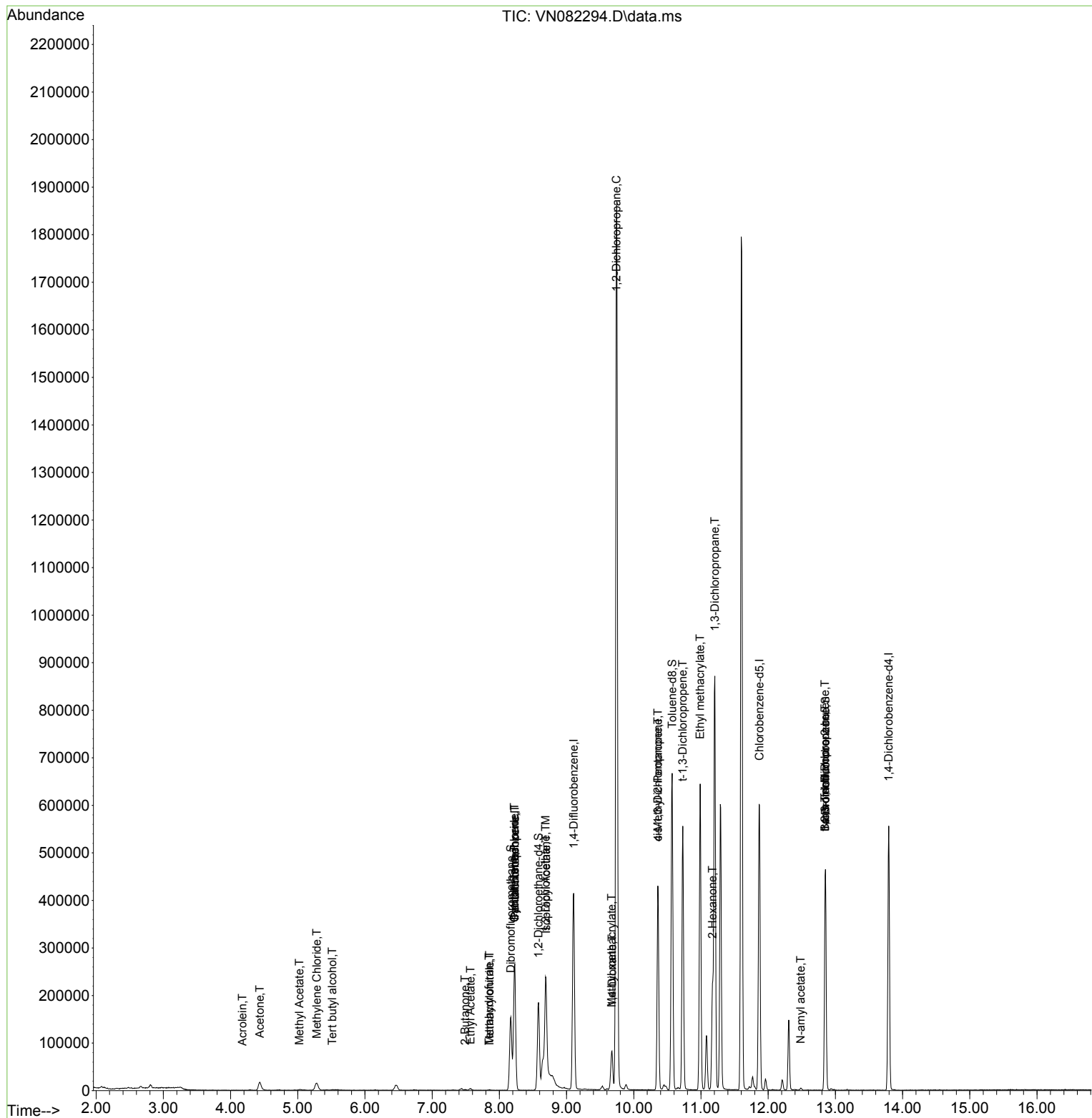
Internal Standards						
1) Pentafluorobenzene	8.230	168	185596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	330390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	316869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	151753	51.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.171	113	107004	52.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.300%			
50) Toluene-d8	10.571	98	427750	54.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.800%			
62) 4-Bromofluorobenzene	12.853	95	152396	54.795	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.600%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	270	0.574	ug/l #	71
13) Acrolein	4.177	56	125	0.359	ug/l #	79
16) Acetone	4.436	43	33151	27.576	ug/l	93
18) Methyl Acetate	5.024	43	1799	0.601	ug/l #	78
20) Methylene Chloride	5.283	84	11005	4.537	ug/l #	77
25) 2-Butanone	7.489	43	2641	1.449	ug/l #	67
29) Tetrahydrofuran	7.847	42	989	0.845	ug/l #	37
31) Cyclohexane	8.224	56	5217	1.115	ug/l #	59
36) 1,1-Dichloropropene	8.230	75	16831	4.938	ug/l #	43
37) Ethyl Acetate	7.571	43	5469	1.434	ug/l #	84
38) Carbon Tetrachloride	8.224	117	20037	5.799	ug/l #	15
41) Methacrylonitrile	7.853	41	670	0.299	ug/l #	22
42) 1,2-Dichloroethane	8.688	62	1250	0.320	ug/l #	73
43) Isopropyl Acetate	8.694	43	364367	53.905	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	2074	0.791	ug/l #	45
48) Methyl methacrylate	9.671	41	6146	1.908	ug/l #	40
49) 1,4-Dioxane	9.677	88	53	1.174	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	176586	45.980	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	1154	0.307	ug/l	100
54) cis-1,3-Dichloropropene	10.359	75	67407	16.939	ug/l #	75
56) Ethyl methacrylate	10.988	69	1755	0.466	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8465	2.042	ug/l #	42
59) 2-Hexanone	11.171	43	183790	65.359	ug/l #	23
71) Bromoform	12.847	173	806	1.134	ug/l #	28
74) N-amyl acetate	12.482	43	2639	0.442	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	88386	30.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88386	71.879	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
Data File : VN082294.D
Acq On : 22 May 2024 15:49
Operator : JC\MD
Sample : PB161037ZHE#07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

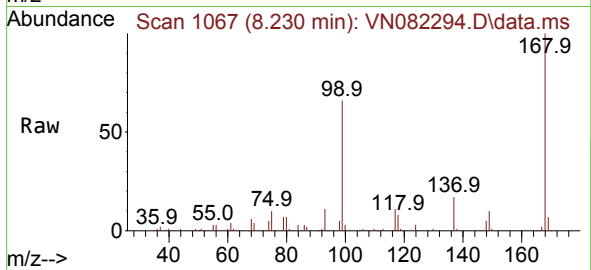
Quant Time: May 23 01:53:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



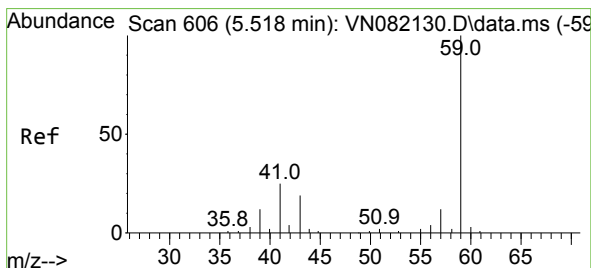
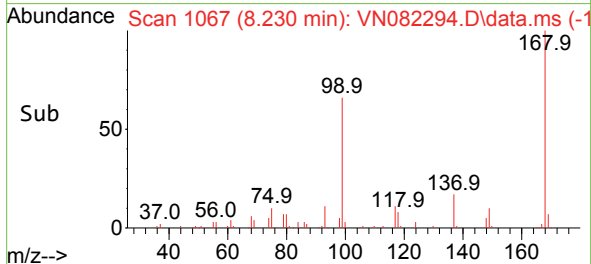
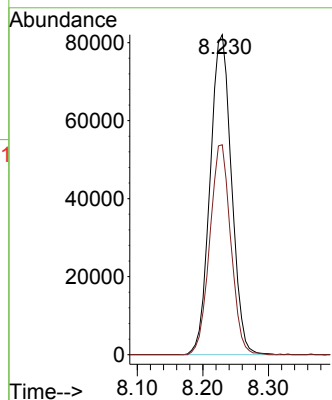


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

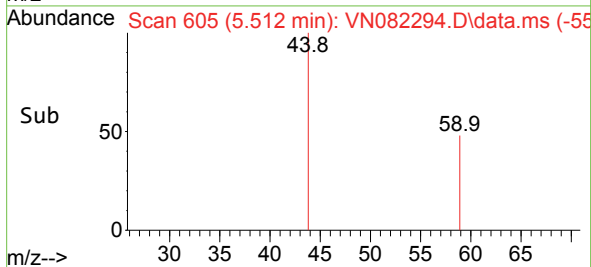
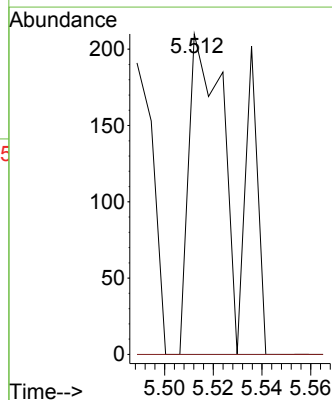
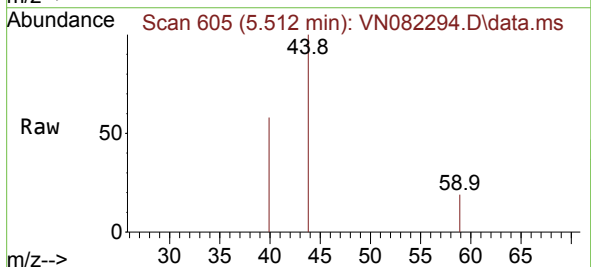


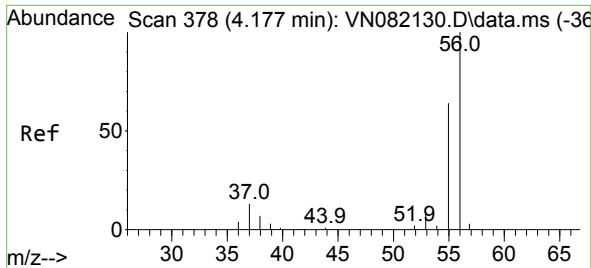
Tgt Ion:168 Resp: 185596
Ion Ratio Lower Upper
168 100
99 65.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.574 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

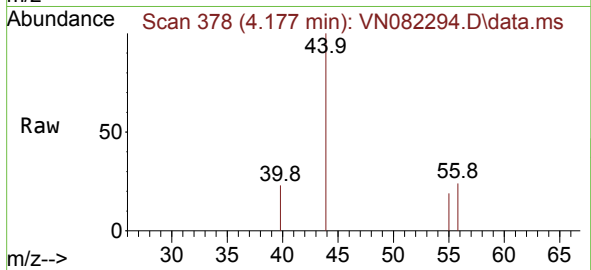
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



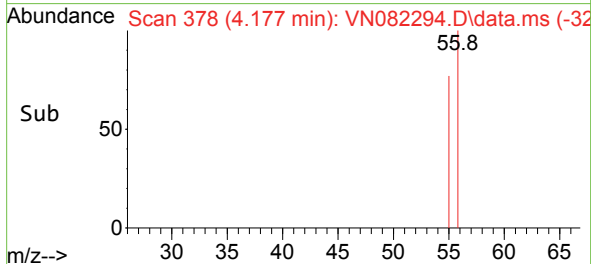
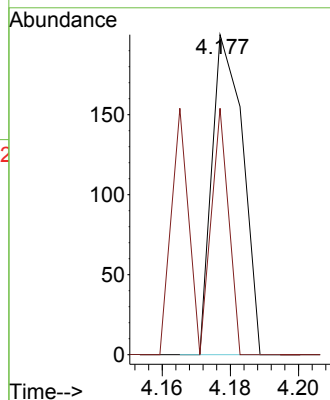


#13
Acrolein
Concen: 0.359 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

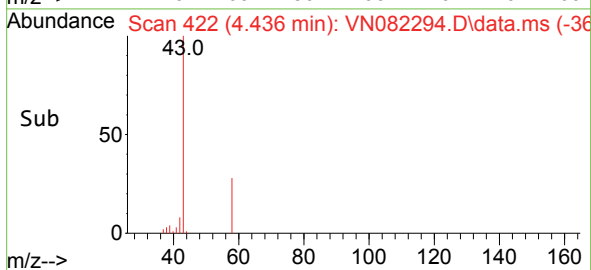
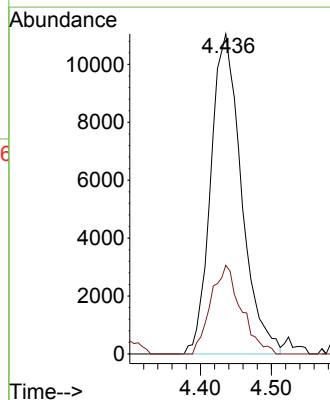
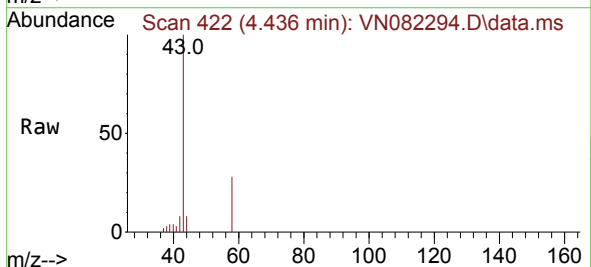


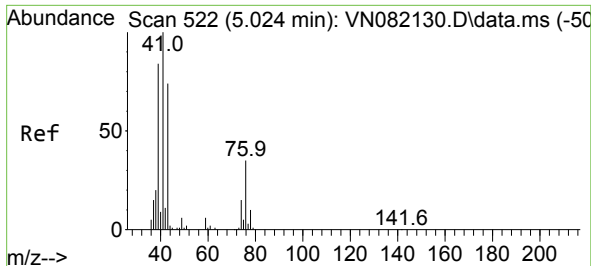
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 87.2 55.8 83.8#



#16
Acetone
Concen: 27.576 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 43 Resp: 33151
Ion Ratio Lower Upper
43 100
58 27.7 25.2 37.8





#18

Methyl Acetate

Concen: 0.601 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

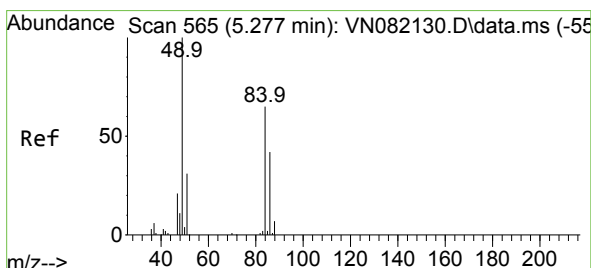
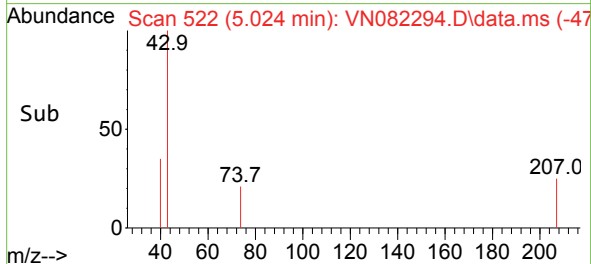
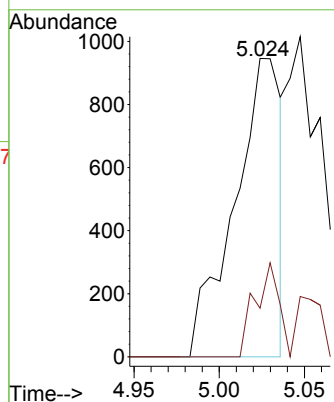
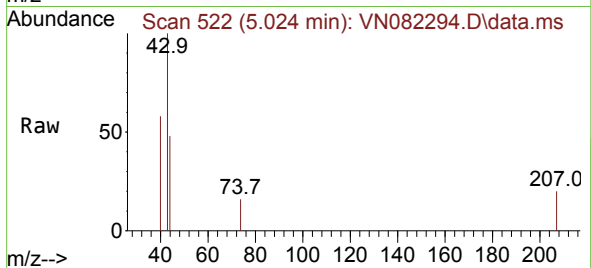
ClientSampleId :

Tgt Ion: 43 Resp: 1799

Ion Ratio Lower Upper

43 100

74 16.1 22.2 33.2#



#20

Methylene Chloride

Concen: 4.537 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

Tgt Ion: 84 Resp: 11005

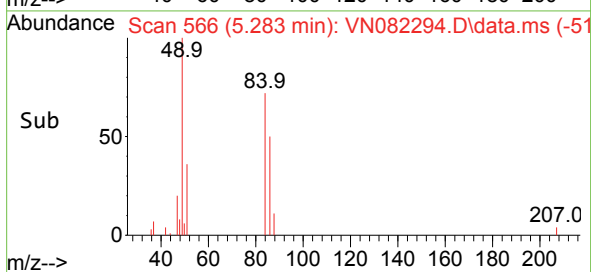
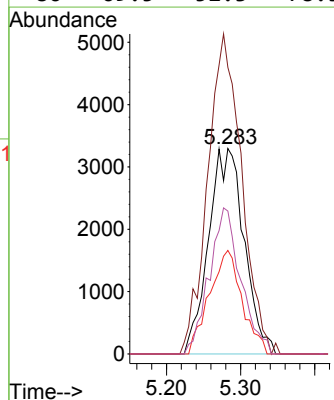
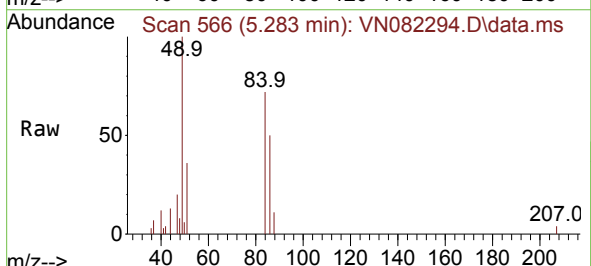
Ion Ratio Lower Upper

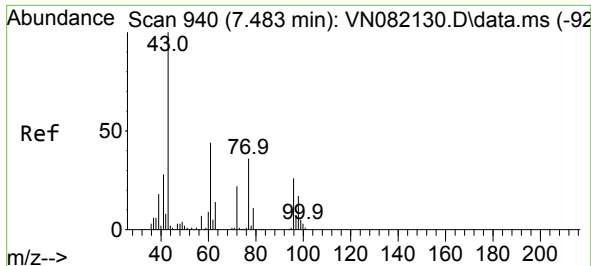
84 100

49 139.5 84.9 127.3#

51 50.4 27.0 40.6#

86 69.5 52.3 78.5

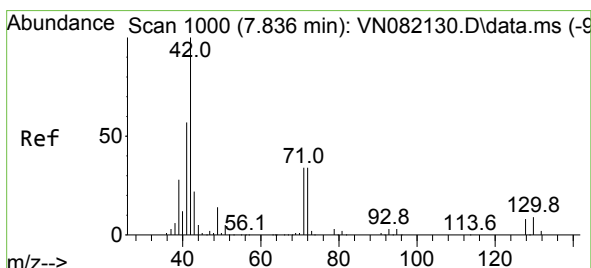
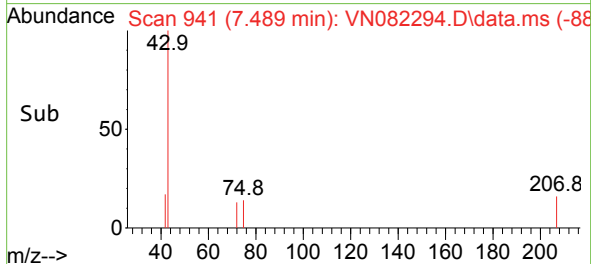
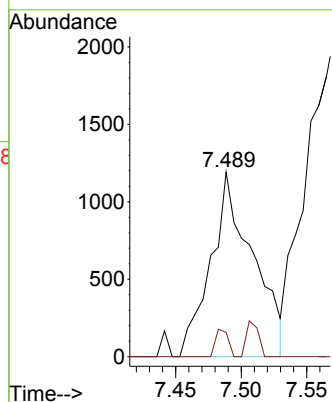
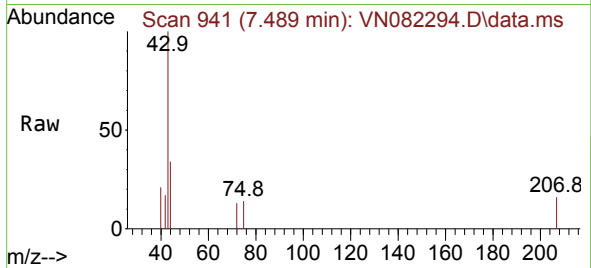




#25
2-Butanone
Concen: 1.449 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

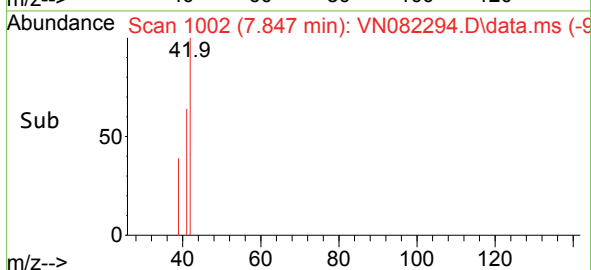
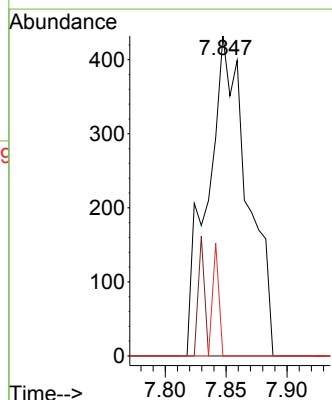
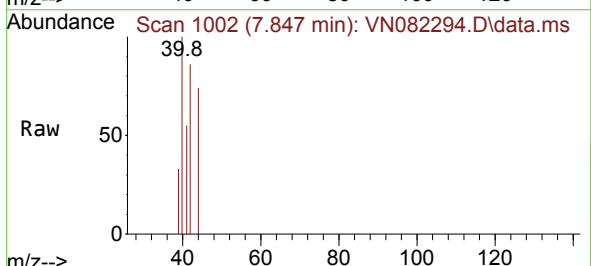
Instrument :
MSVOA_N
ClientSampleId :

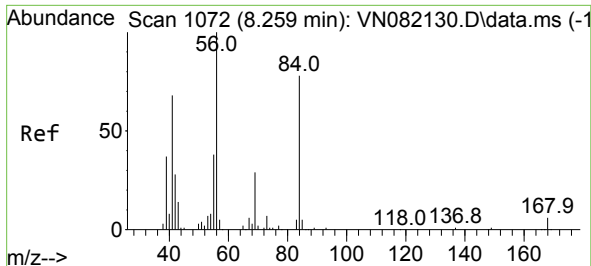
Tgt Ion: 43 Resp: 2641
Ion Ratio Lower Upper
43 100
72 13.2 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.845 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

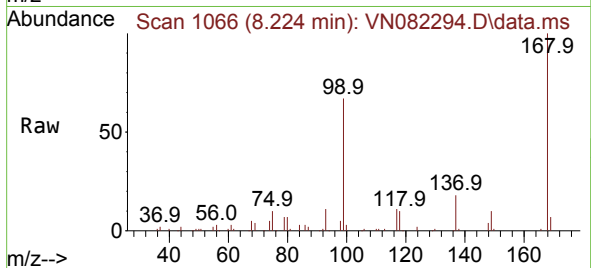
Tgt Ion: 42 Resp: 989
Ion Ratio Lower Upper
42 100
72 5.8 39.3 58.9#
71 5.5 37.4 56.0#



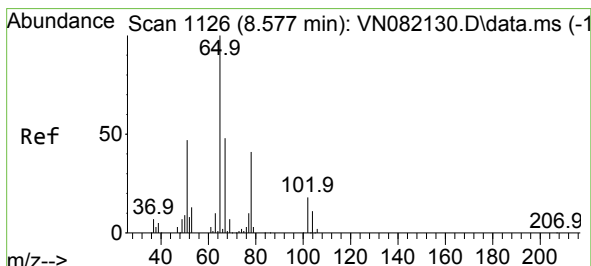
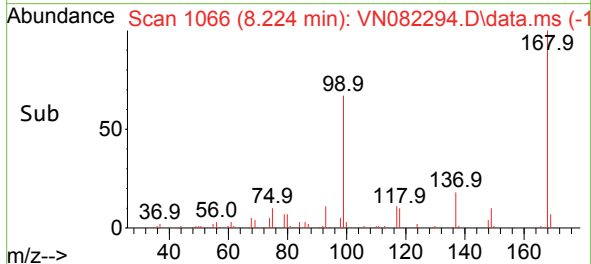
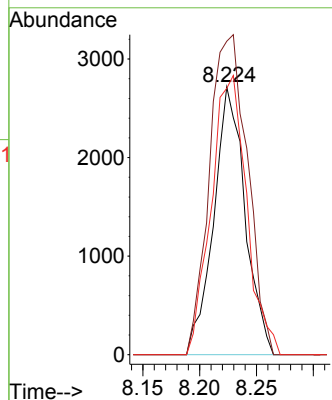


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

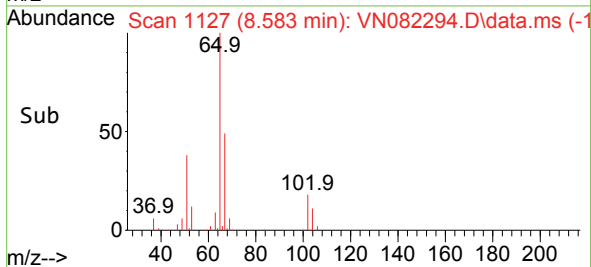
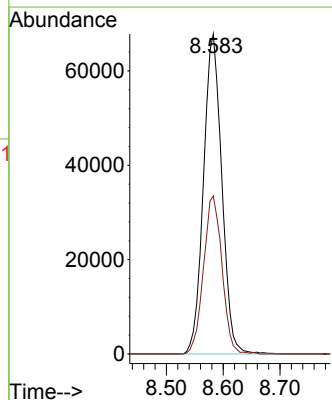
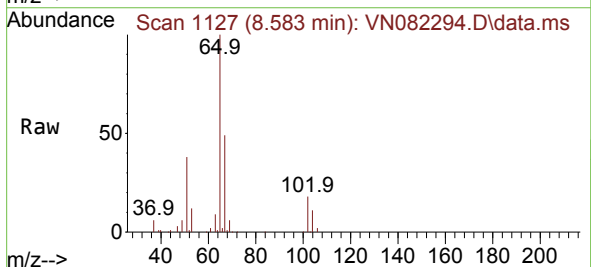


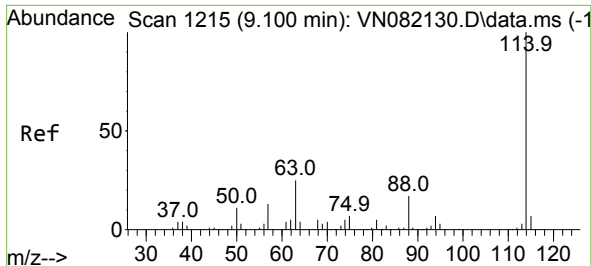
Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 117.1 24.4 36.6#
84 99.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.782 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 65 Resp: 151753
Ion Ratio Lower Upper
65 100
67 49.8 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: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

ClientSampleId :

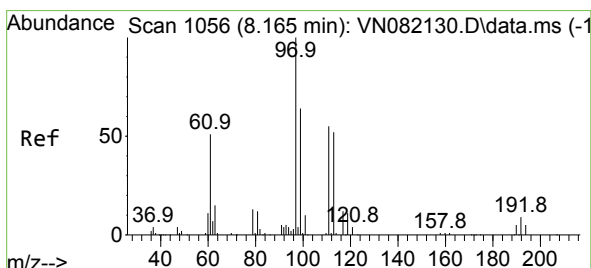
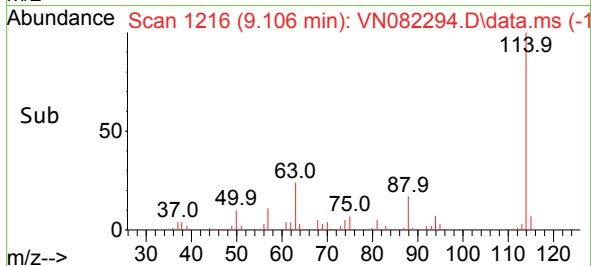
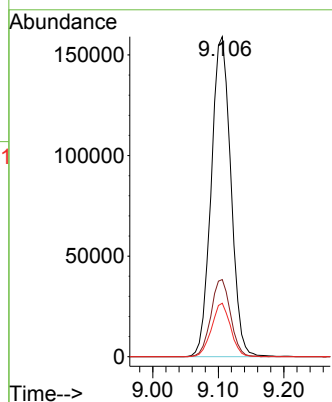
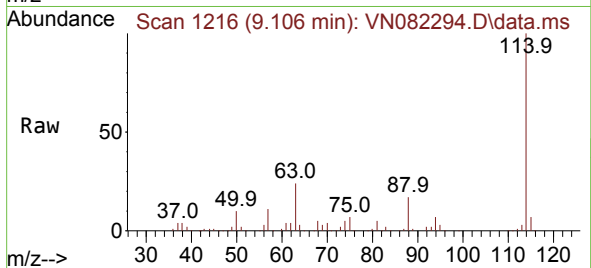
Tgt Ion:114 Resp: 330390

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.649 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

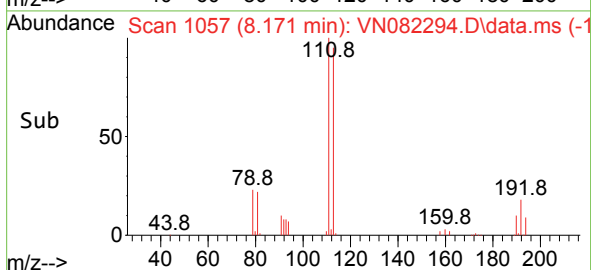
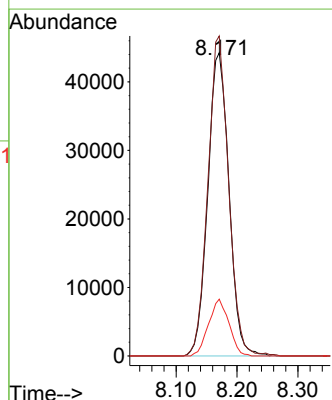
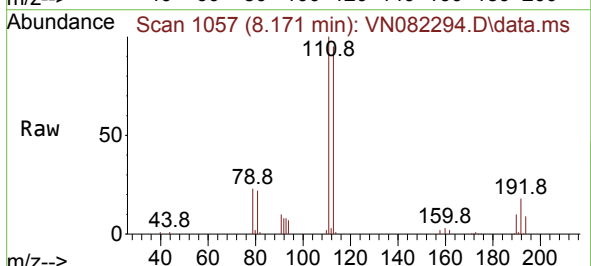
Tgt Ion:113 Resp: 107004

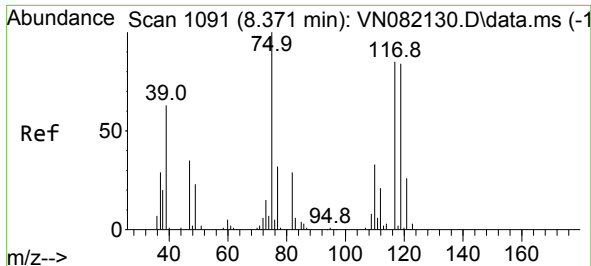
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

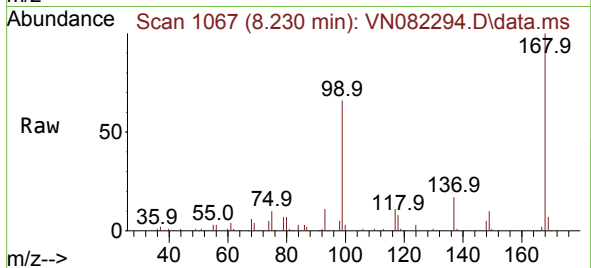
192 18.0 14.0 21.0



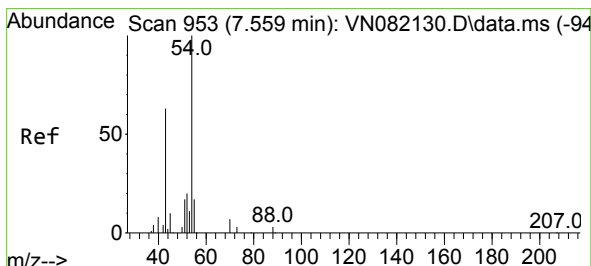
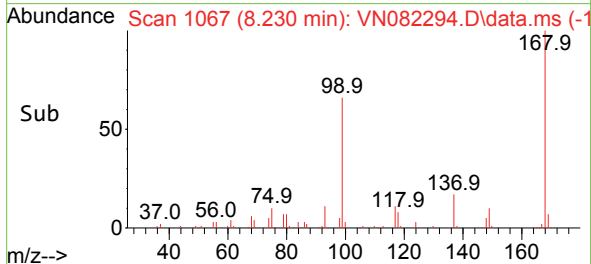
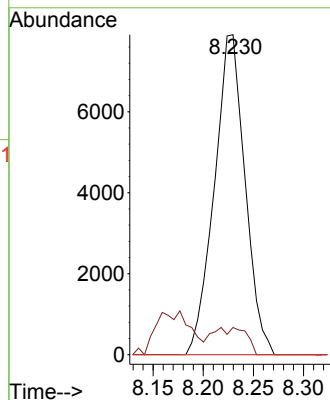


#36
1,1-Dichloropropene
Concen: 4.938 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

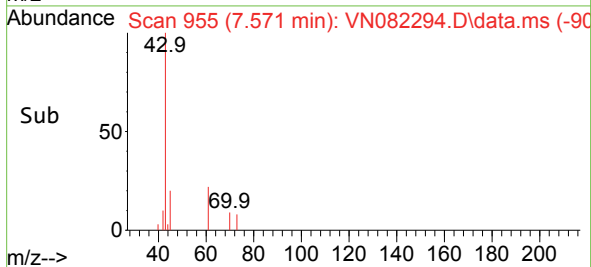
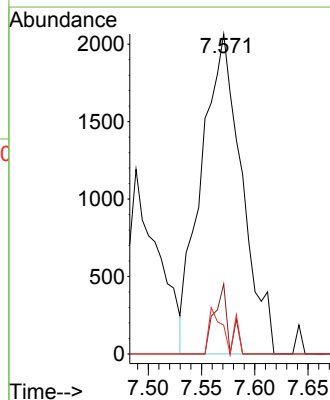
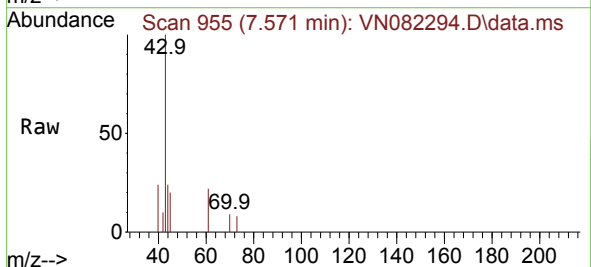


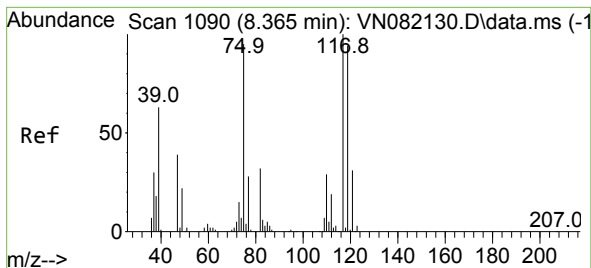
Tgt Ion: 75 Resp: 16831
Ion Ratio Lower Upper
75 100
110 2.1 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.434 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 43 Resp: 5469
Ion Ratio Lower Upper
43 100
61 7.8 11.3 16.9#
70 4.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

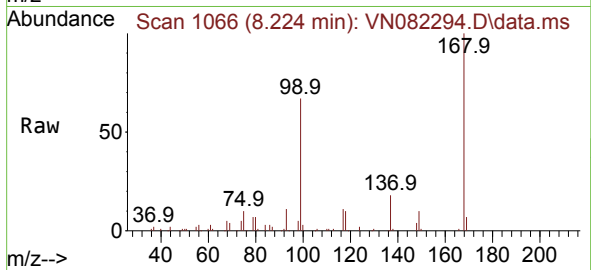
Lab File: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

ClientSampleId :



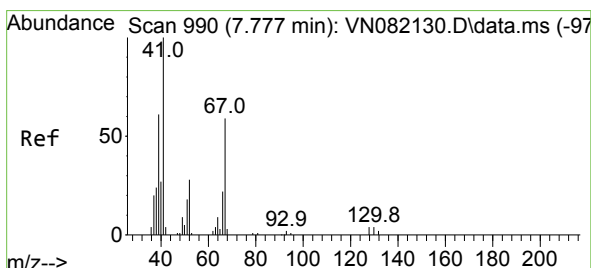
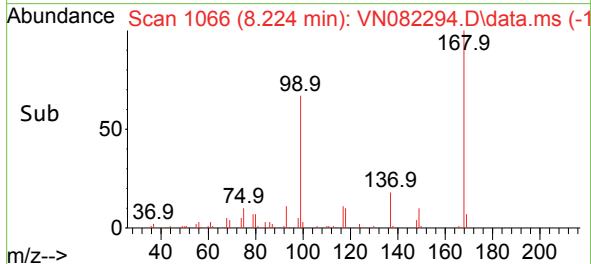
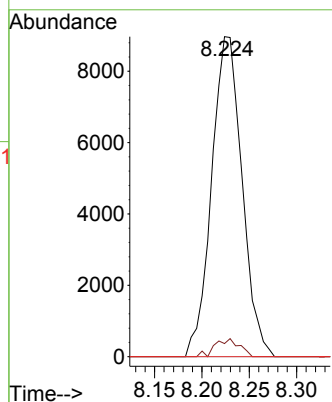
Tgt Ion:117 Resp: 20037

Ion Ratio Lower Upper

117 100

119 4.1 76.5 114.7#

121 0.0 23.9 35.9#



#41

Methacrylonitrile

Concen: 0.299 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.076 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

Tgt Ion: 41 Resp: 670

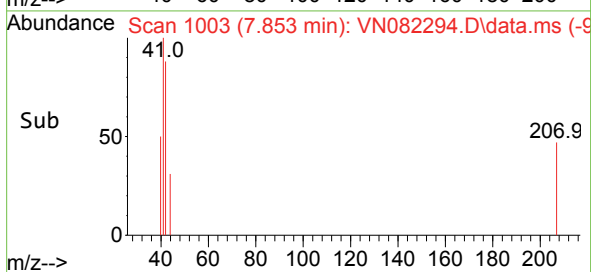
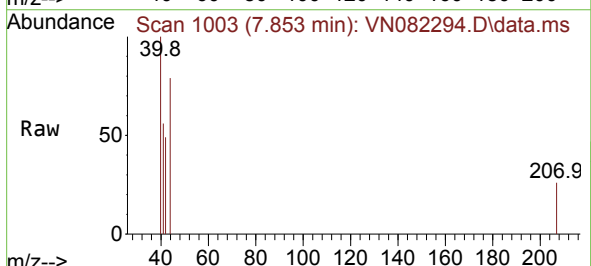
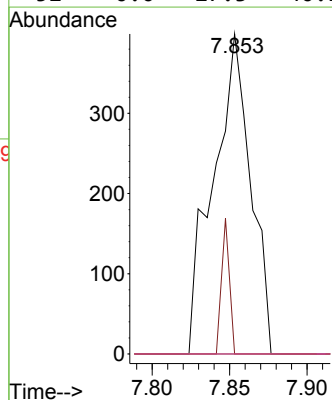
Ion Ratio Lower Upper

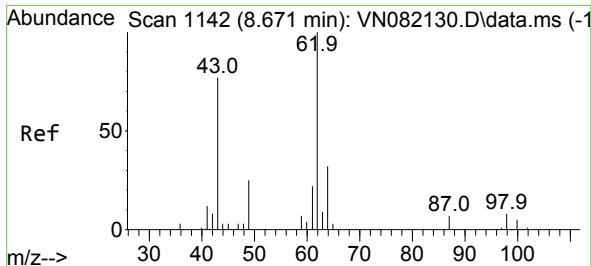
41 100

39 9.0 46.6 69.8#

67 0.0 67.3 100.9#

52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.320 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

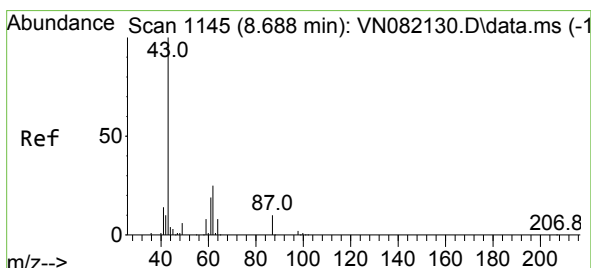
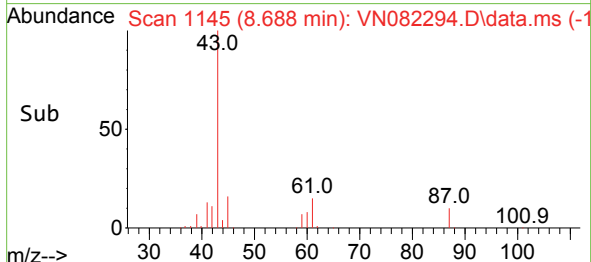
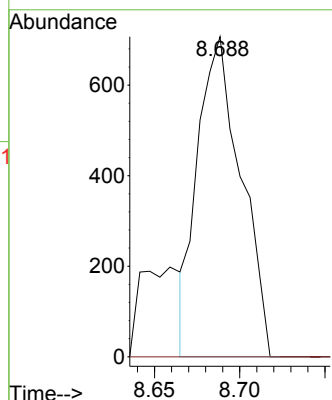
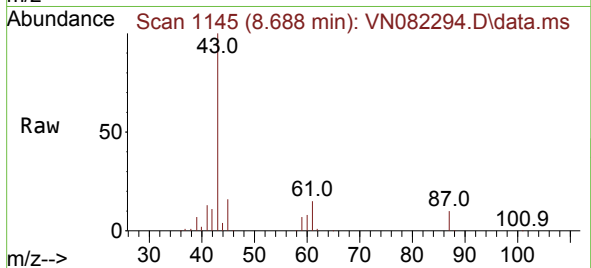
ClientSampleId :

Tgt Ion: 62 Resp: 1250

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 53.905 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

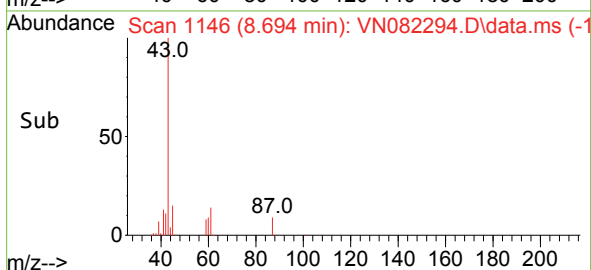
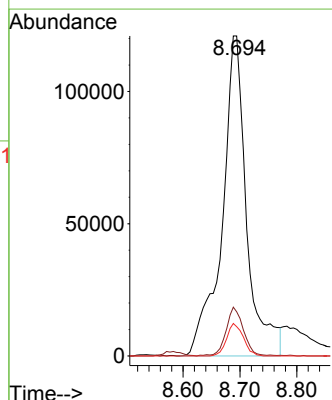
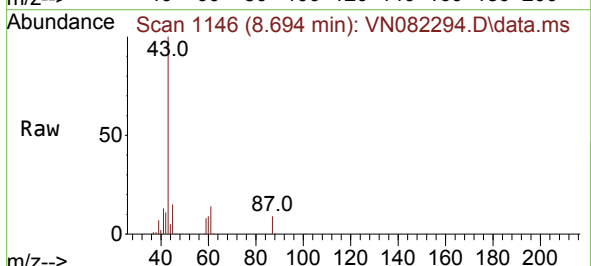
Tgt Ion: 43 Resp: 364367

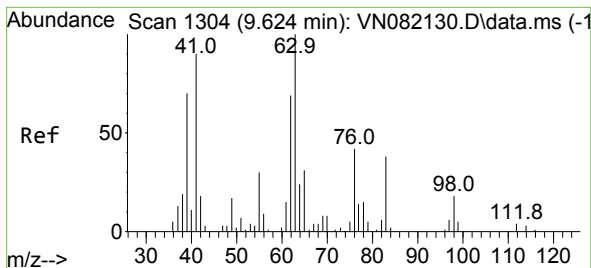
Ion Ratio Lower Upper

43 100

61 10.8 22.8 34.2#

87 6.9 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.791 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

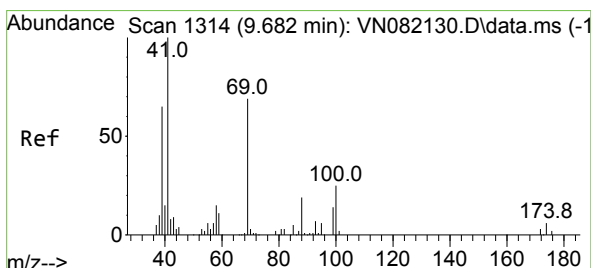
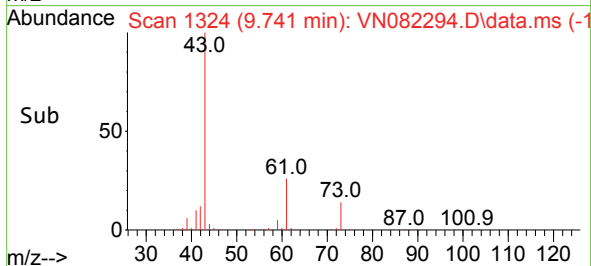
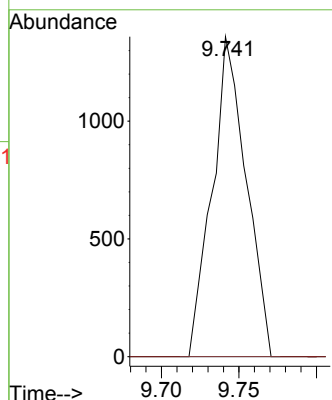
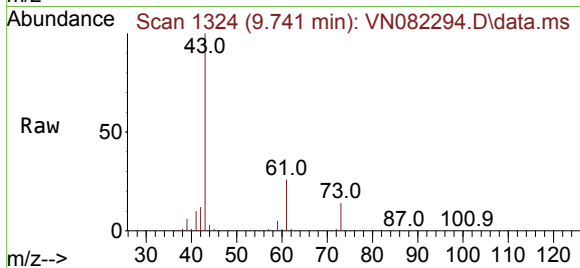
ClientSampleId :

Tgt Ion: 63 Resp: 2074

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.908 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

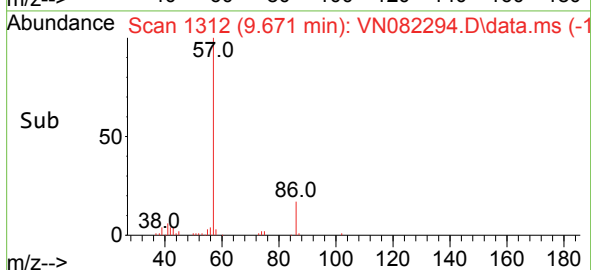
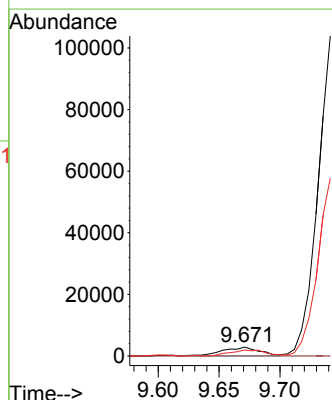
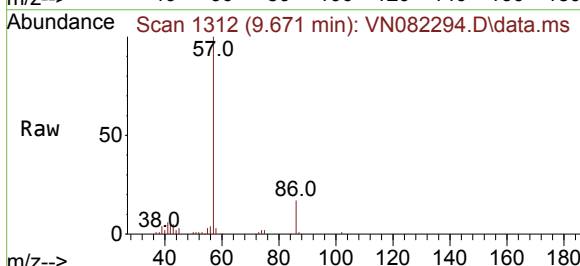
Tgt Ion: 41 Resp: 6146

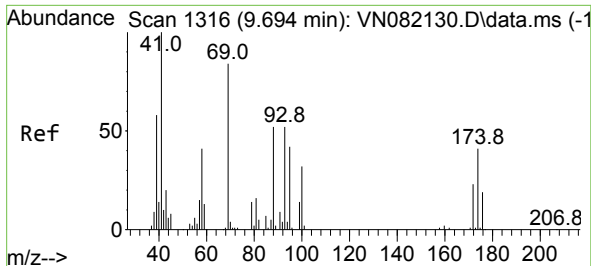
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 64.0 50.9 76.3





#49

1,4-Dioxane

Concen: 1.174 ug/l

RT: 9.677 min Scan# 1

Delta R.T. -0.018 min

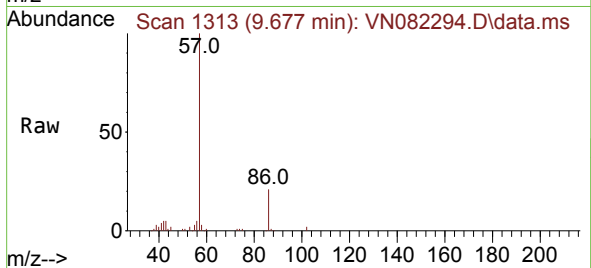
Lab File: VN082294.D

Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

ClientSampleId :



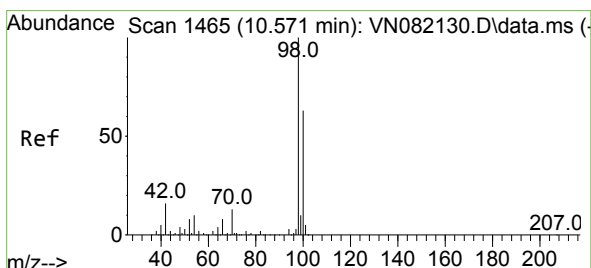
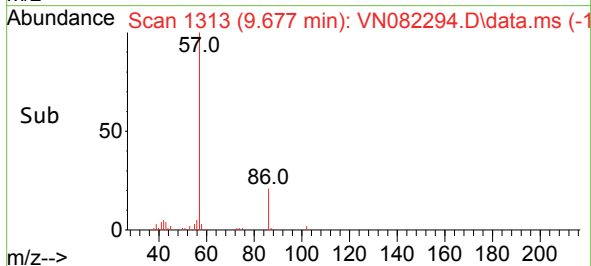
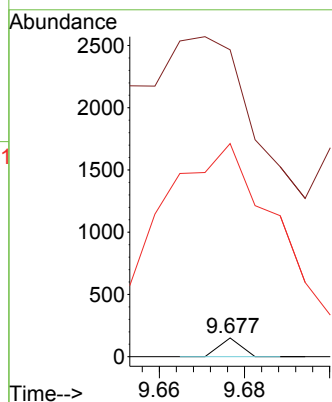
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 6839.6 50.6 76.0#



#50

Toluene-d8

Concen: 54.895 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082294.D

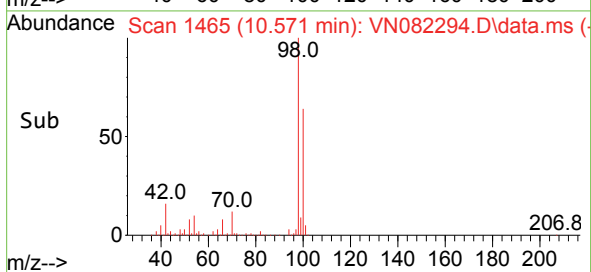
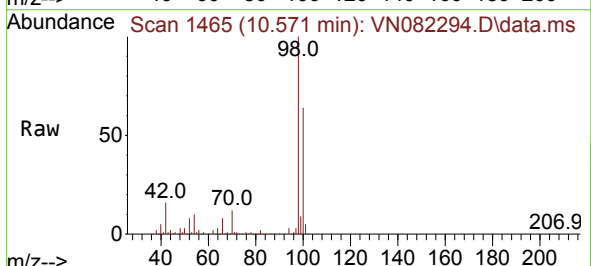
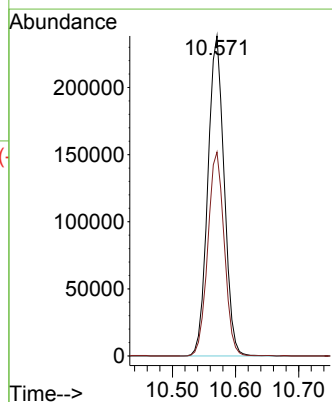
Acq: 22 May 2024 15:49

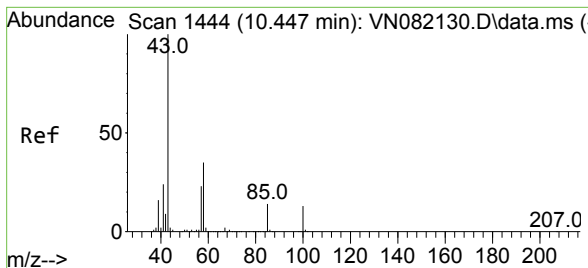
Tgt Ion: 98 Resp: 427750

Ion Ratio Lower Upper

98 100

100 64.3 51.8 77.6

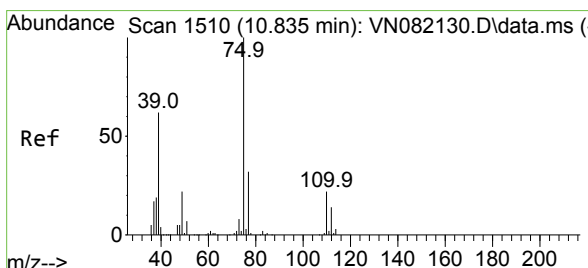
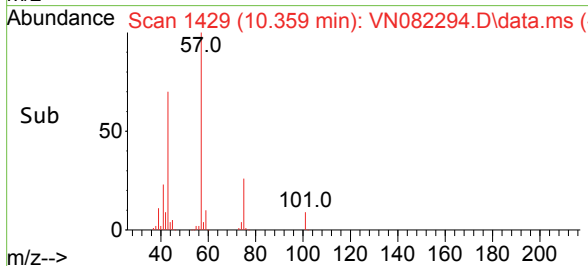
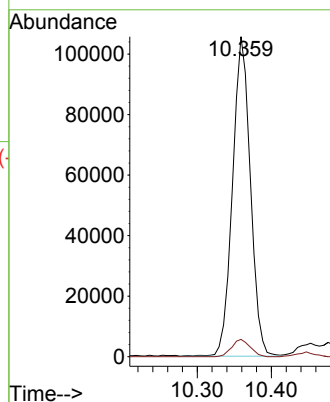
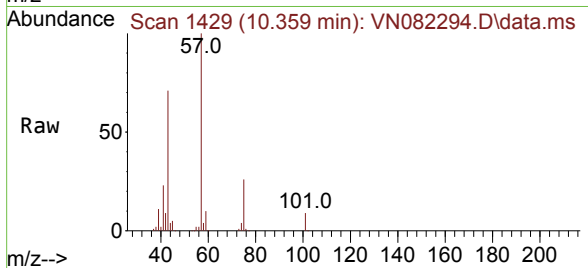




#51
4-Methyl-2-Pentanone
Concen: 45.980 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

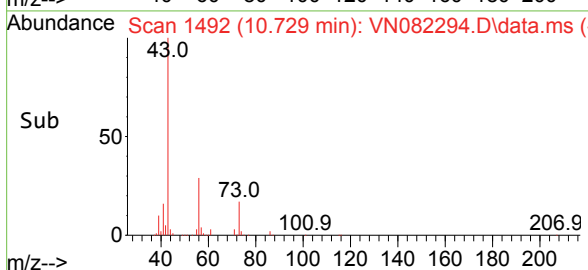
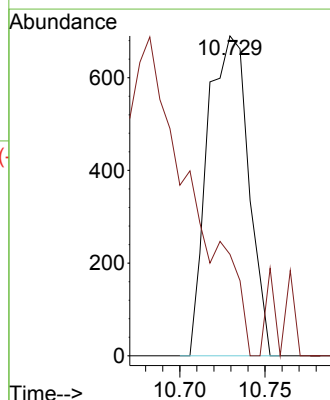
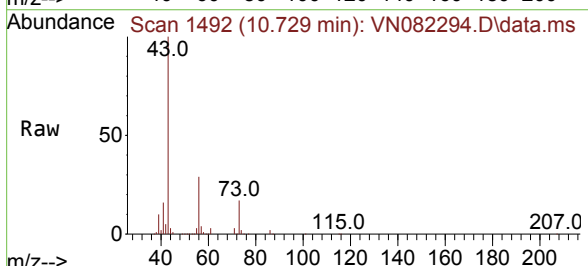
Instrument :
MSVOA_N
ClientSampleId :

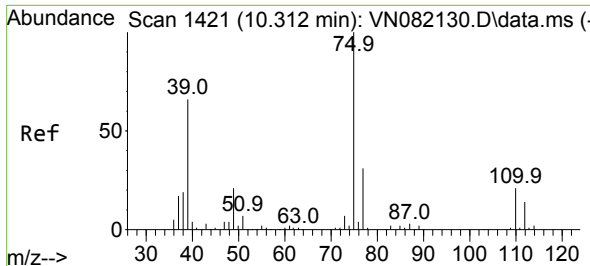
Tgt Ion: 43 Resp: 176586
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 75 Resp: 1154
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

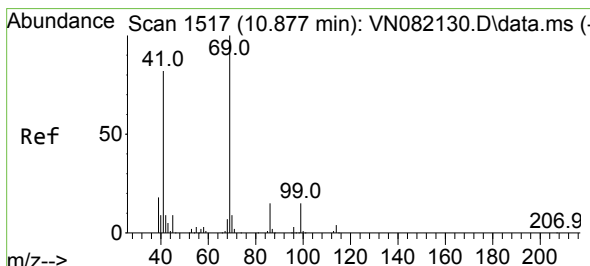
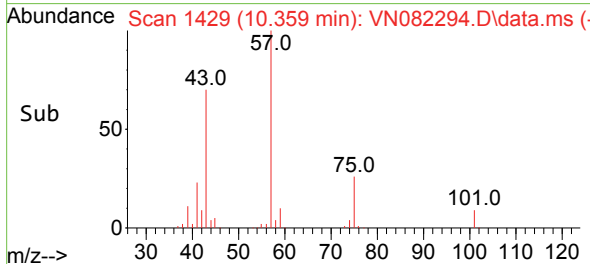
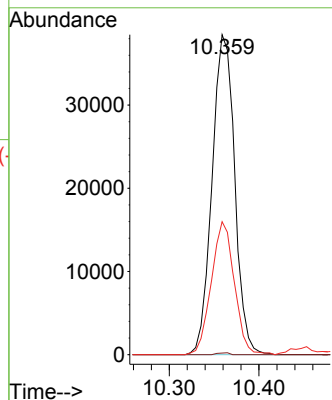
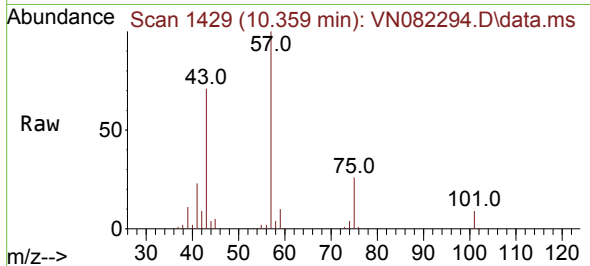




#54
cis-1,3-Dichloropropene
Concen: 16.939 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

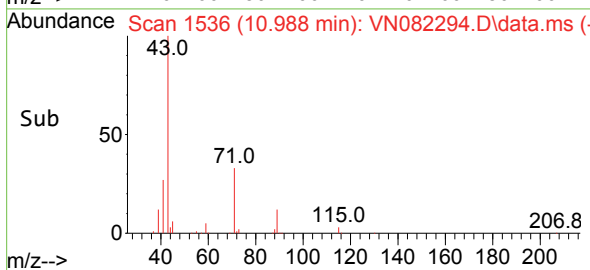
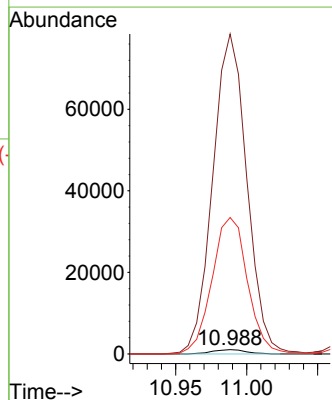
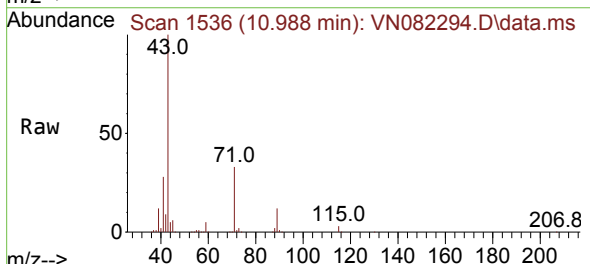
Instrument :
MSVOA_N
ClientSampleId :

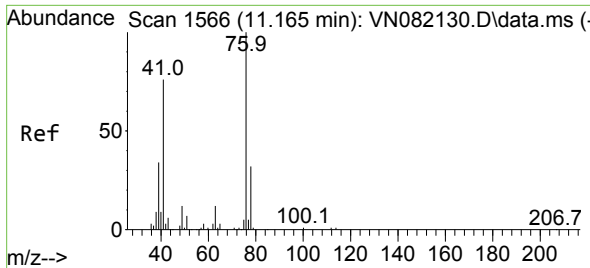
Tgt Ion: 75 Resp: 67407
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 41.5 34.8 52.2



#56
Ethyl methacrylate
Concen: 0.466 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 69 Resp: 1755
Ion Ratio Lower Upper
69 100
41 7480.9 46.6 70.0#
39 3329.6 26.5 39.7#

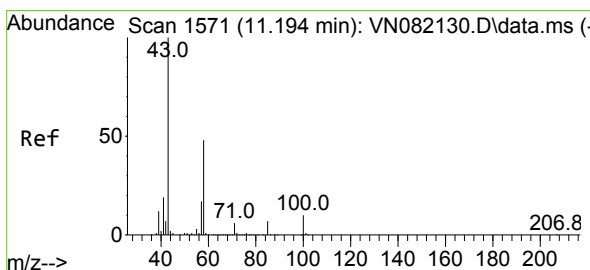
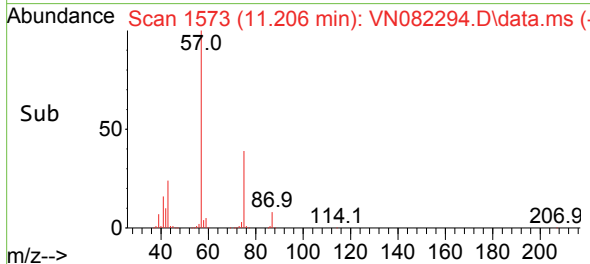
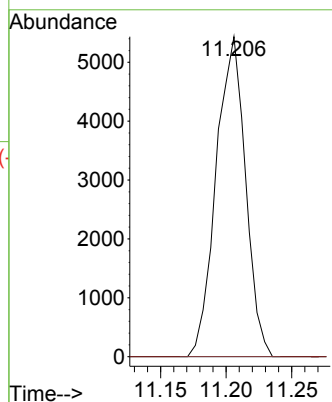
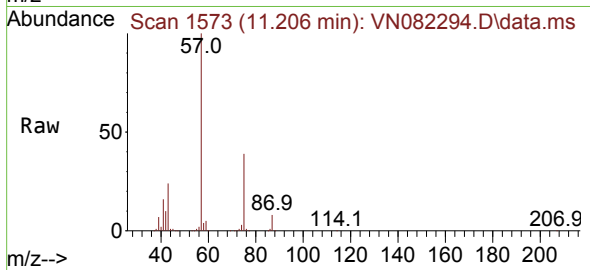




#57
1,3-Dichloropropane
Concen: 2.042 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

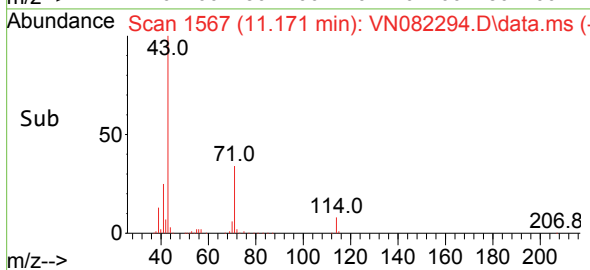
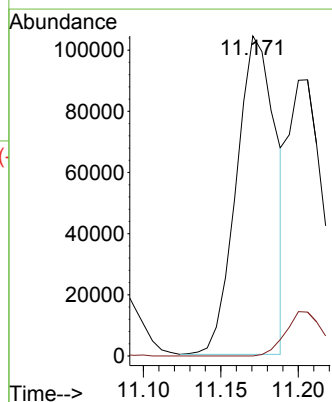
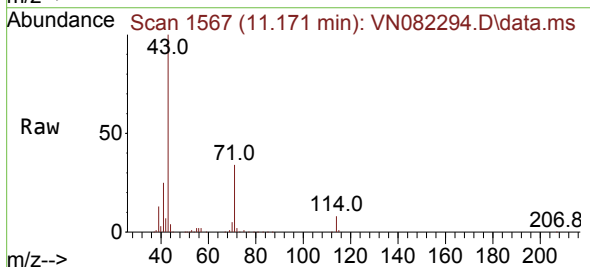
Instrument :
MSVOA_N
ClientSampleId :

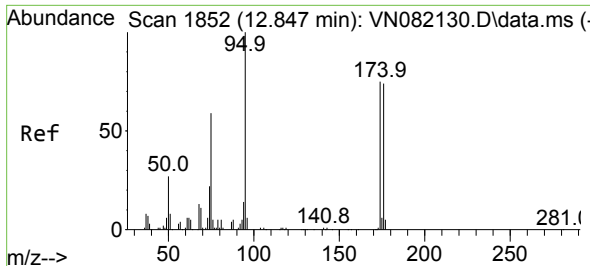
Tgt Ion: 76 Resp: 8465
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 65.359 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 43 Resp: 183790
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

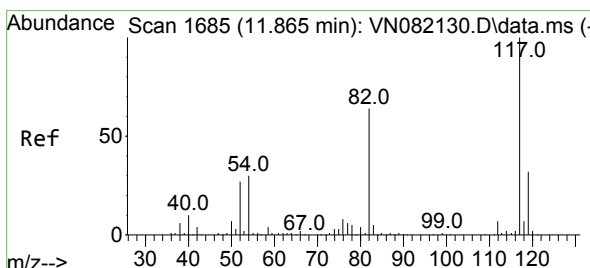
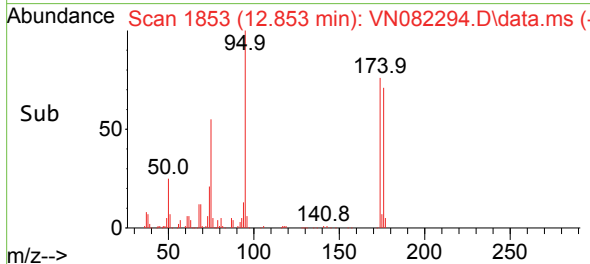
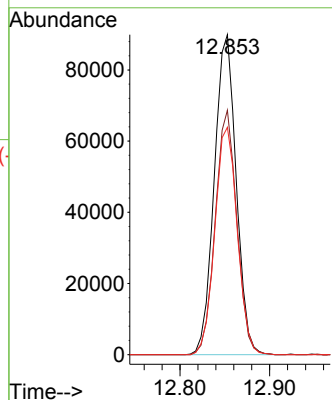
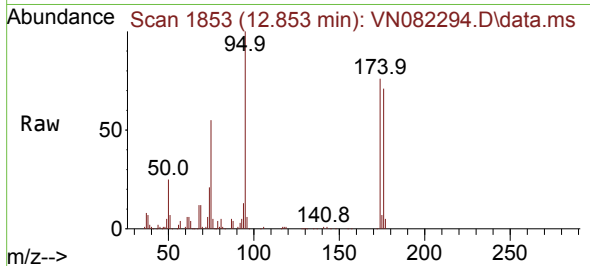




#62
4-Bromofluorobenzene
Concen: 54.795 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

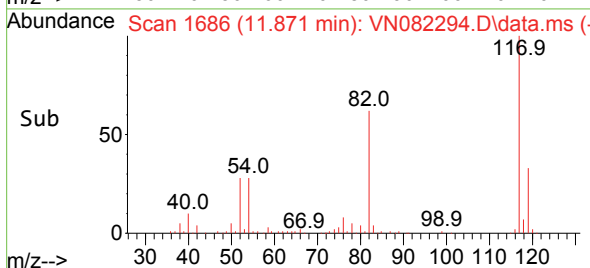
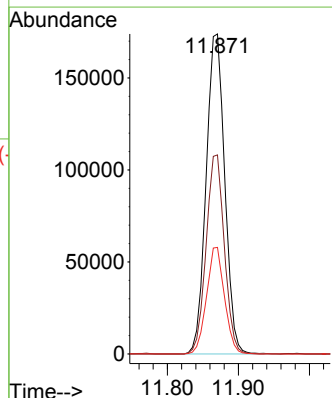
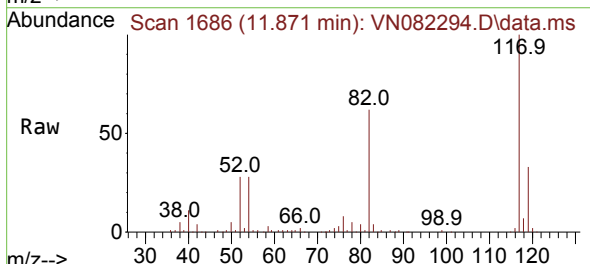
Instrument :
MSVOA_N
ClientSampleId :

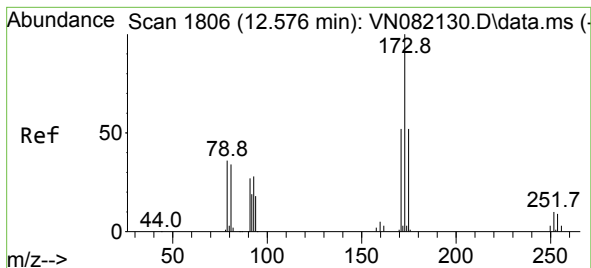
Tgt Ion: 95 Resp: 152396
Ion Ratio Lower Upper
95 100
174 75.2 0.0 160.6
176 72.6 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Tgt Ion: 117 Resp: 316869
Ion Ratio Lower Upper
117 100
82 62.2 44.6 66.8
119 33.3 25.9 38.9





#71

Bromoform

Concen: 1.134 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN082294.D

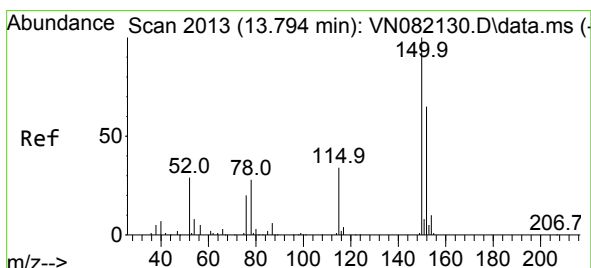
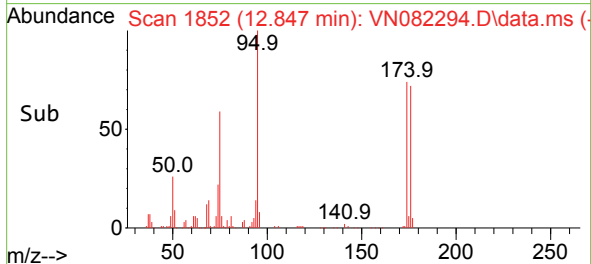
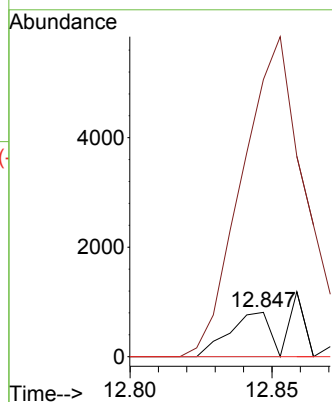
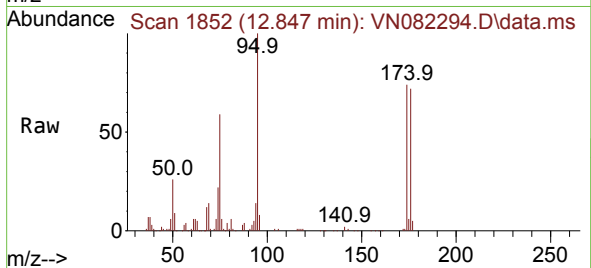
Acq: 22 May 2024 15:49

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 806
 Ion Ratio Lower Upper
 173 100
 175 0.0 24.6 74.0#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

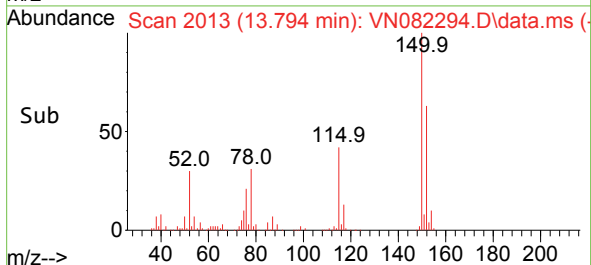
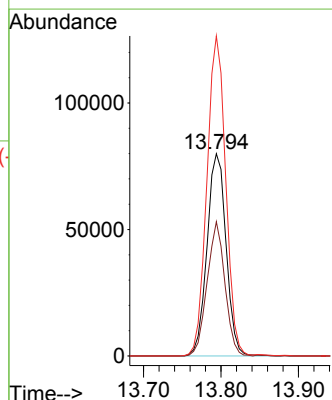
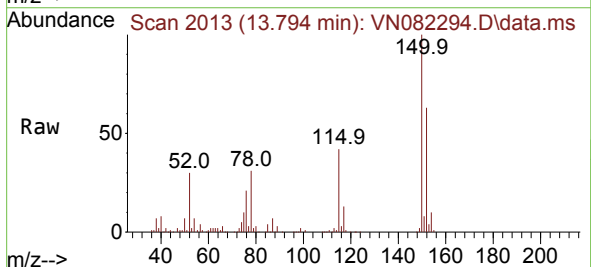
RT: 13.794 min Scan# 2013

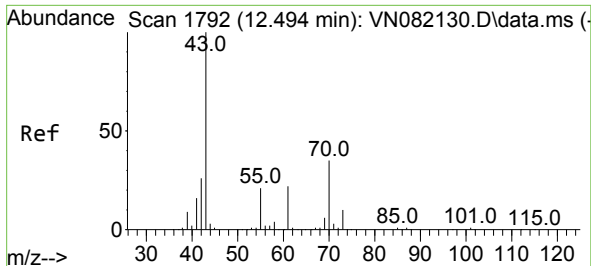
Delta R.T. 0.000 min

Lab File: VN082294.D

Acq: 22 May 2024 15:49

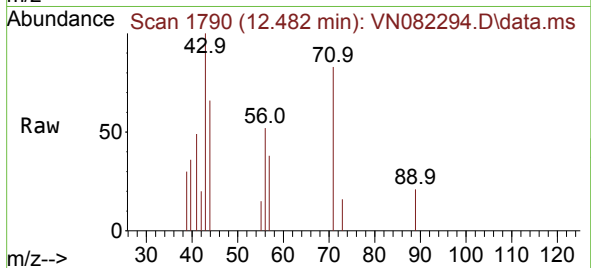
Tgt Ion:152 Resp: 136647
 Ion Ratio Lower Upper
 152 100
 115 61.8 30.4 91.3
 150 155.9 0.0 353.2



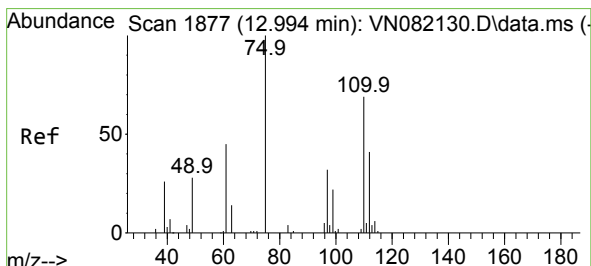
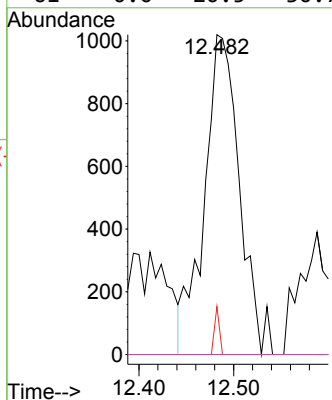
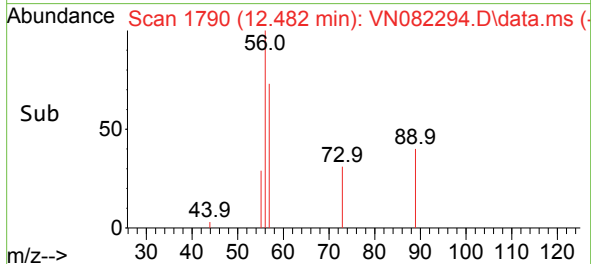


#74
N-amy1 acetate
Concen: 0.442 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

Instrument :
MSVOA_N
ClientSampleId :

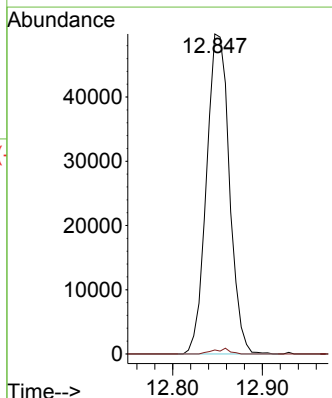
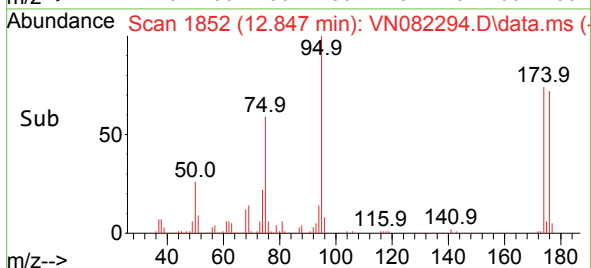
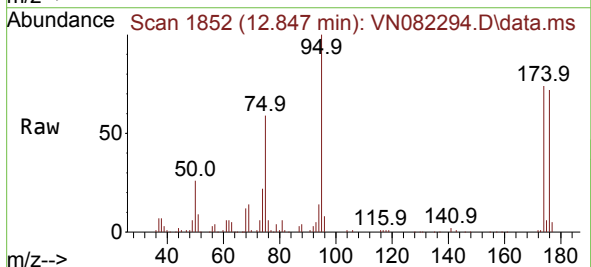


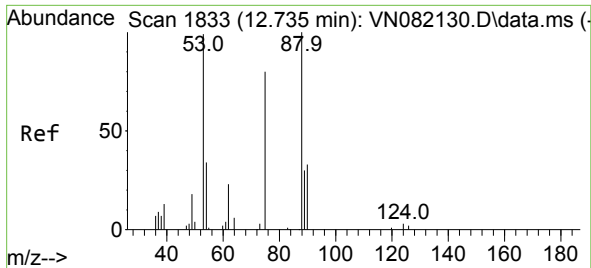
Tgt Ion: 43	Resp: 2639
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.4#
55 2.0	21.3 31.9#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.731 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082294.D
Acq: 22 May 2024 15:49

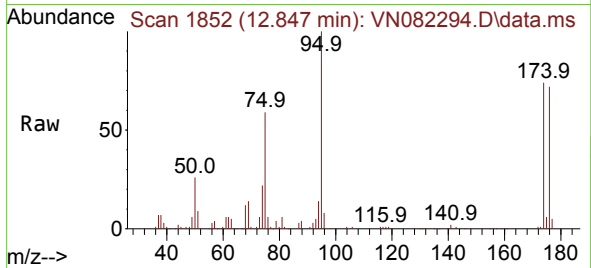
Tgt Ion: 75	Resp: 88386
Ion Ratio	Lower Upper
75 100	
77 1.2	90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.879 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN082294.D
 Acq: 22 May 2024 15:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 88386
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

