

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082381.D
 Acq On : 29 May 2024 19:30
 Operator : JC\MD
 Sample : P2612-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:48:32 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)

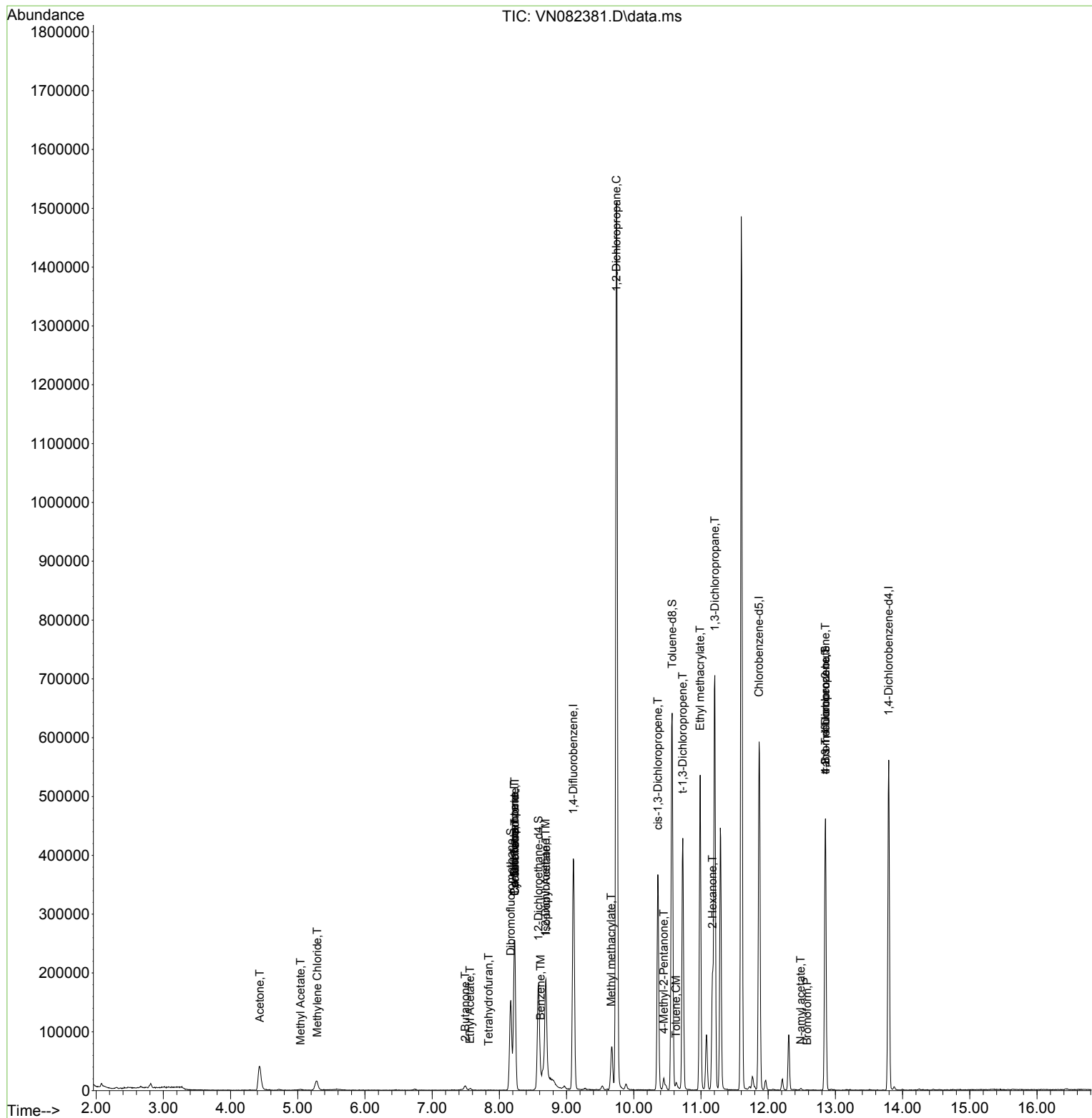
Internal Standards						
1) Pentafluorobenzene	8.224	168	181622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146652	51.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.280%			
35) Dibromofluoromethane	8.171	113	104275	53.483	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.960%			
50) Toluene-d8	10.571	98	417299	55.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.660%			
62) 4-Bromofluorobenzene	12.853	95	147717	55.366	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.740%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	83592	71.055	ug/l	89
18) Methyl Acetate	5.042	43	3074	1.049	ug/l #	71
20) Methylene Chloride	5.289	84	11377	4.793	ug/l #	82
25) 2-Butanone	7.494	43	12860	7.210	ug/l #	87
29) Tetrahydrofuran	7.841	42	429	0.375	ug/l #	49
31) Cyclohexane	8.230	56	5408	1.181	ug/l #	57
36) 1,1-Dichloropropene	8.224	75	16687	5.103	ug/l #	48
37) Ethyl Acetate	7.565	43	4903	1.340	ug/l #	84
38) Carbon Tetrachloride	8.230	117	19507	5.885	ug/l #	15
40) Benzene	8.612	78	20349	2.087	ug/l #	89
42) 1,2-Dichloroethane	8.688	62	1180	0.315	ug/l #	73
43) Isopropyl Acetate	8.694	43	258910	39.929	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1959	0.779	ug/l #	45
48) Methyl methacrylate	9.665	41	5333	1.726	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	19218	5.216	ug/l #	72
52) Toluene	10.629	92	5024	0.859	ug/l	89
53) t-1,3-Dichloropropene	10.729	75	1041	0.289	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	59260	15.524	ug/l #	75
56) Ethyl methacrylate	10.988	69	1572	0.435	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6211	1.562	ug/l #	42
59) 2-Hexanone	11.171	43	158535	58.769	ug/l #	23
71) Bromoform	12.582	173	54	0.730	ug/l #	28
74) N-amyl acetate	12.482	43	2385	0.404	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	87709	30.843	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87709	72.141	ug/l #	12

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

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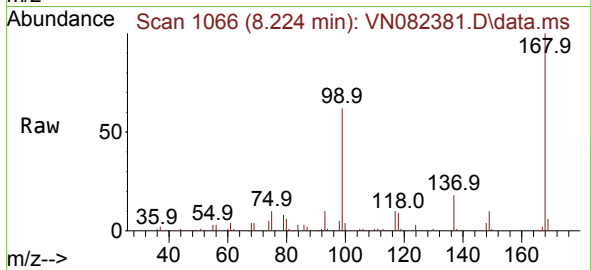
Quant Time: May 30 05:48:32 2024
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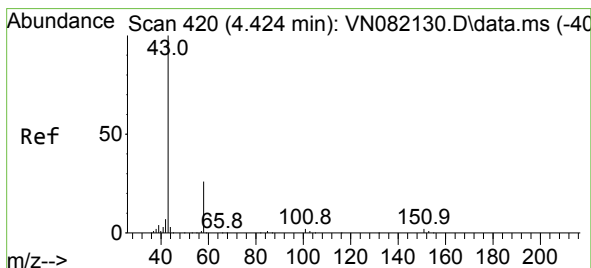
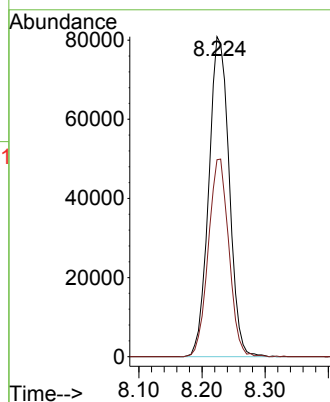
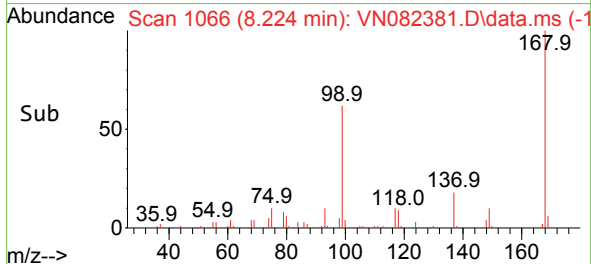


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

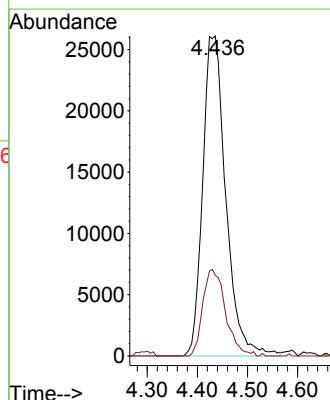
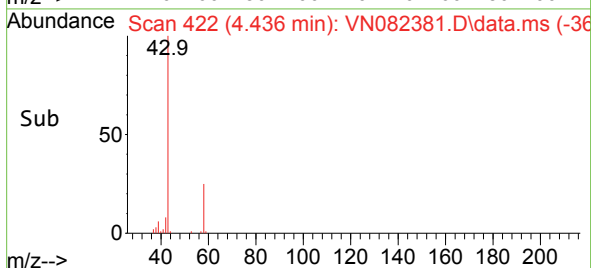
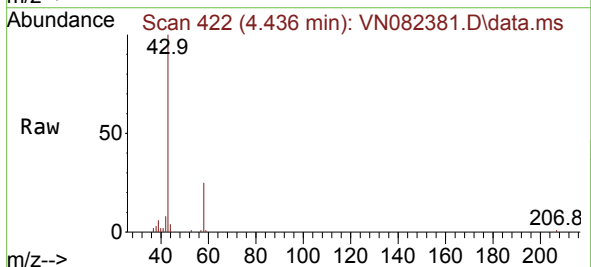


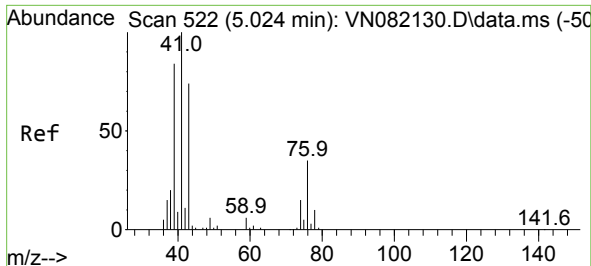
Tgt Ion:168 Resp: 181622
Ion Ratio Lower Upper
168 100
99 61.6 48.2 72.4



#16
Acetone
Concen: 71.055 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

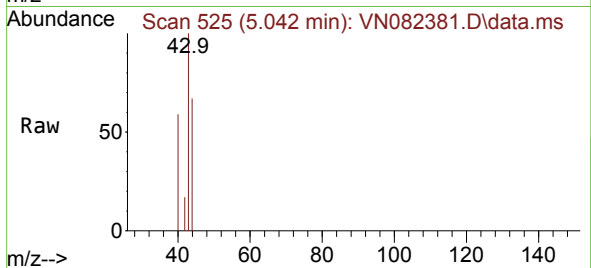
Tgt Ion: 43 Resp: 83592
Ion Ratio Lower Upper
43 100
58 25.2 25.2 37.8



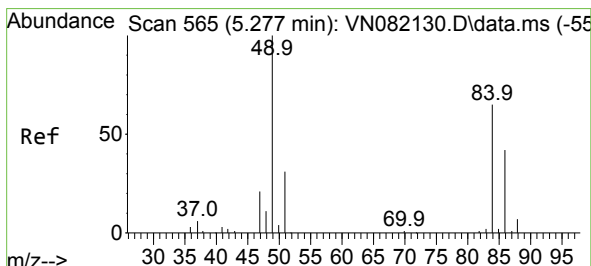
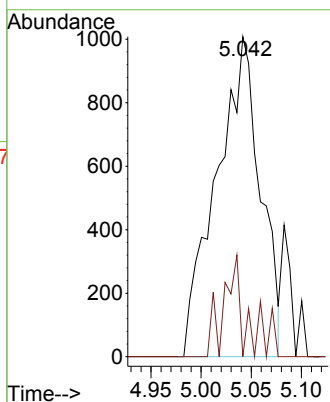
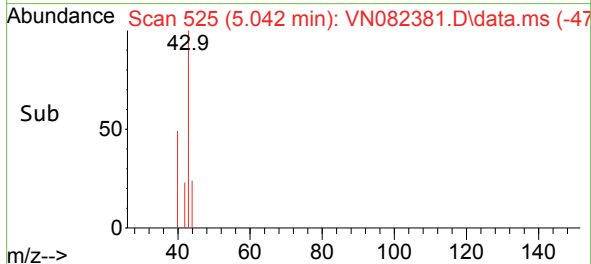


#18
Methyl Acetate
Concen: 1.049 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

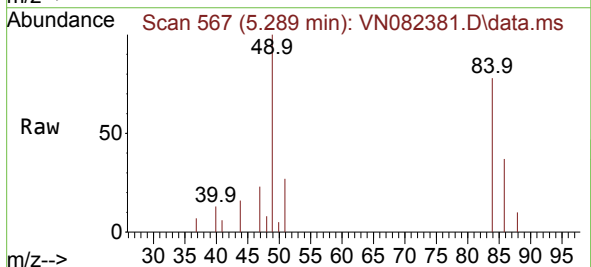
Instrument :
MSVOA_N
ClientSampleId :



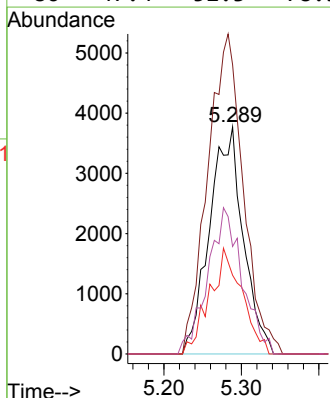
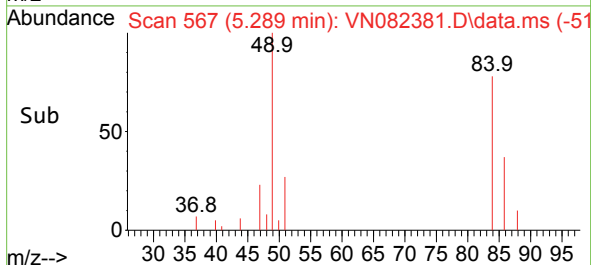
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
74 12.7 22.2 33.2#

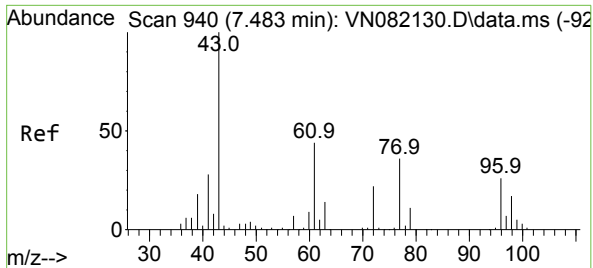


#20
Methylene Chloride
Concen: 4.793 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30



Tgt Ion: 84 Resp: 11377
Ion Ratio Lower Upper
84 100
49 127.4 84.9 127.3#
51 34.7 27.0 40.6
86 47.4 52.3 78.5#

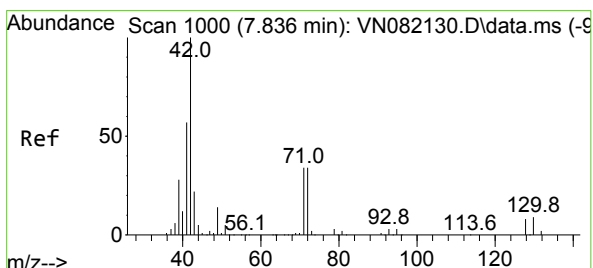
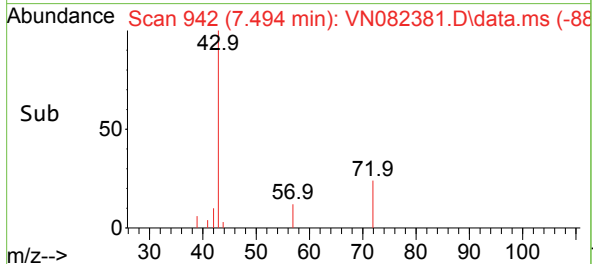
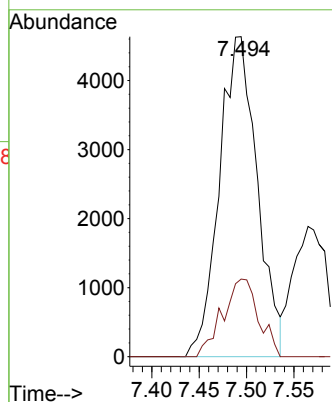
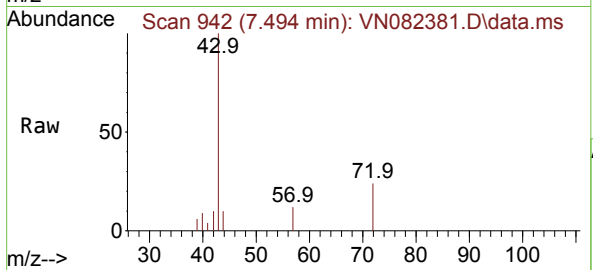




#25
2-Butanone
Concen: 7.210 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

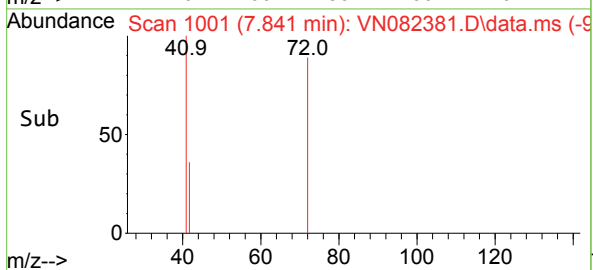
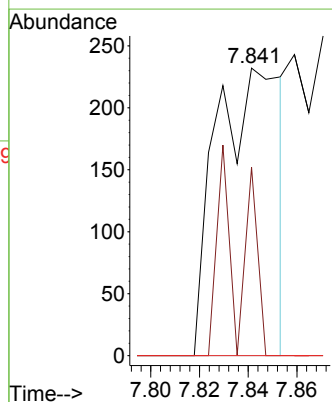
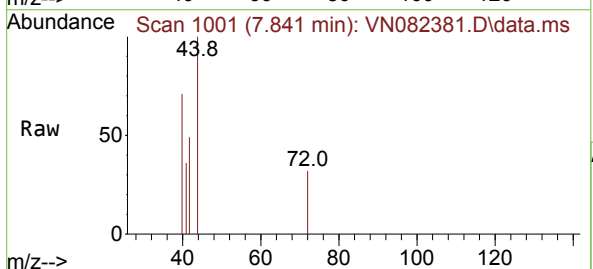
Instrument :
MSVOA_N
ClientSampleId :

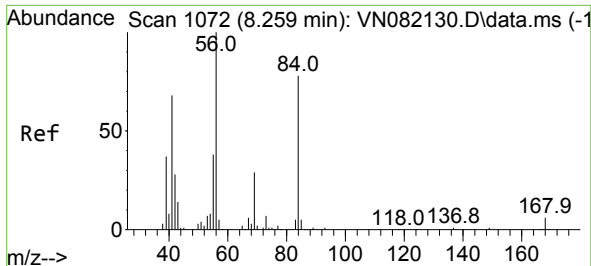
Tgt Ion: 43 Resp: 12860
Ion Ratio Lower Upper
43 100
72 24.3 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.005 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

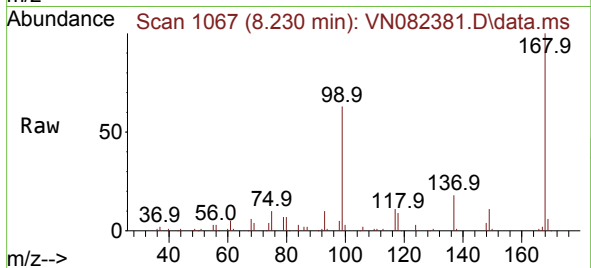
Tgt Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 26.6 39.3 58.9#
71 0.0 37.4 56.0#



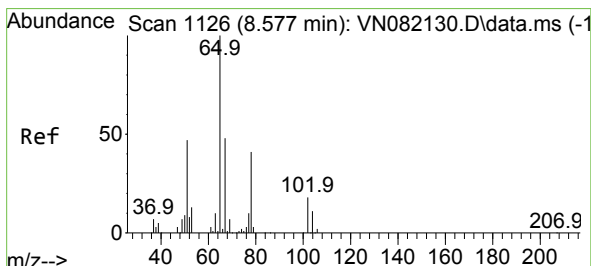
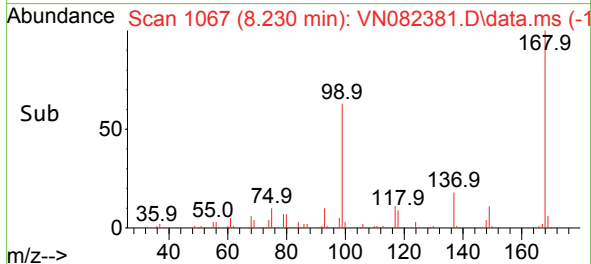
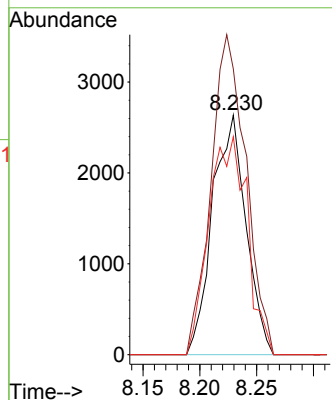


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

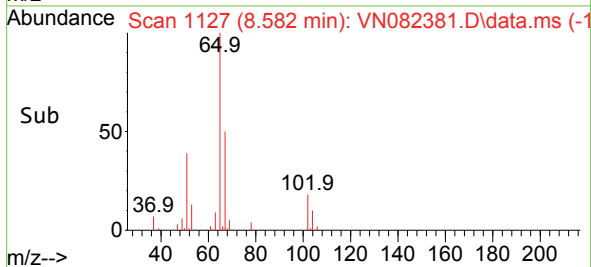
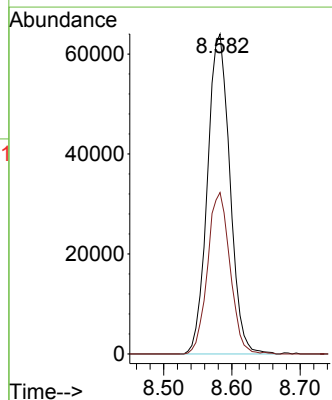
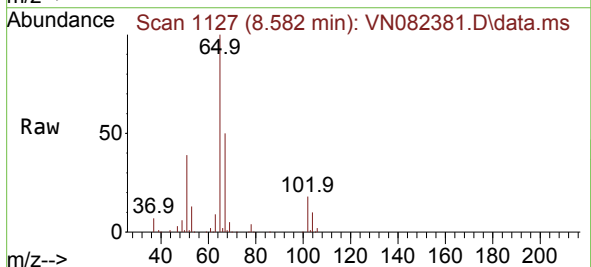


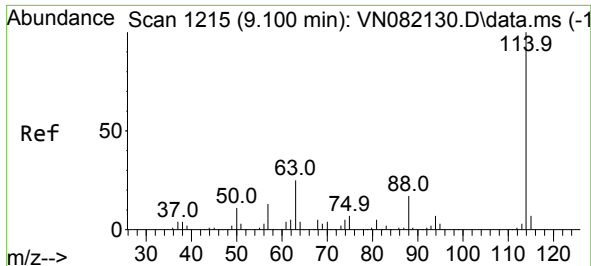
Tgt Ion: 56 Resp: 5408
Ion Ratio Lower Upper
56 100
69 119.3 24.4 36.6#
84 90.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.136 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Tgt Ion: 65 Resp: 146652
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

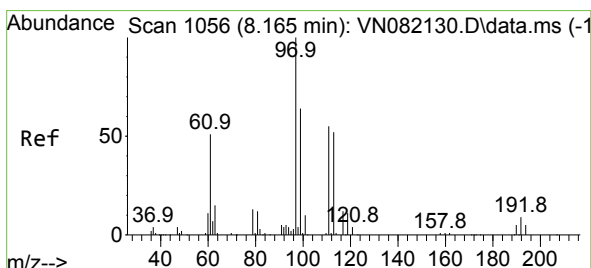
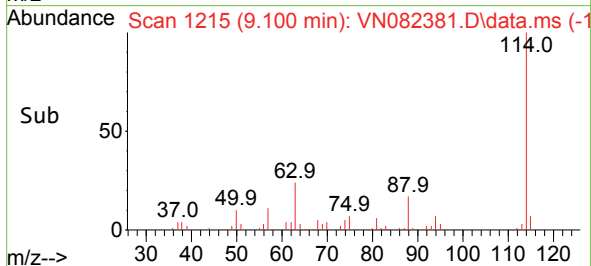
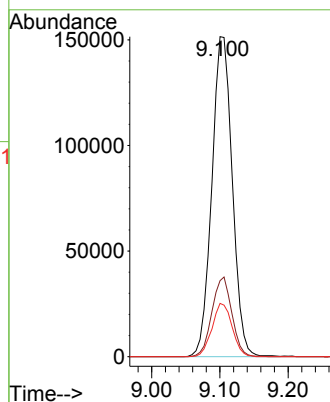
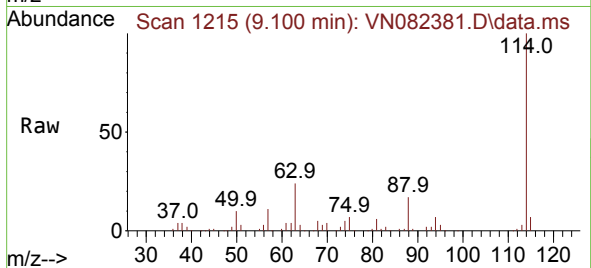
Tgt Ion:114 Resp: 316943

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.483 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

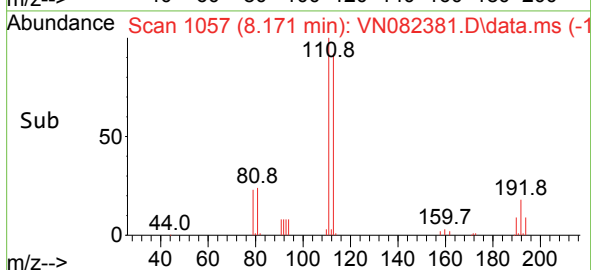
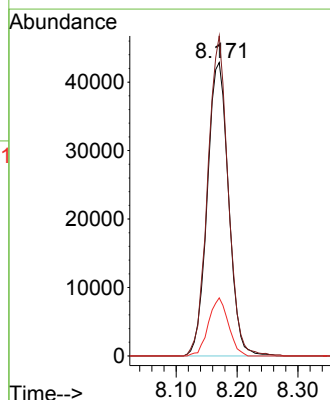
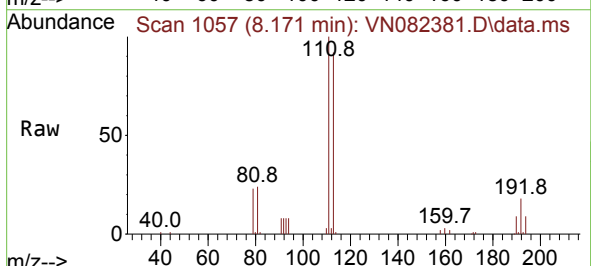
Tgt Ion:113 Resp: 104275

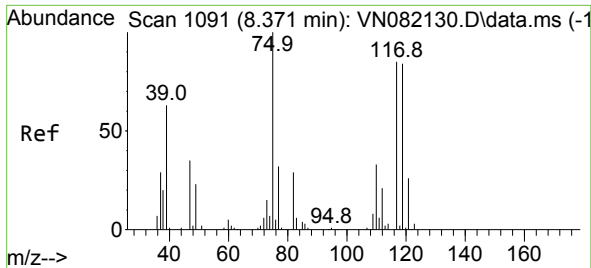
Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.2

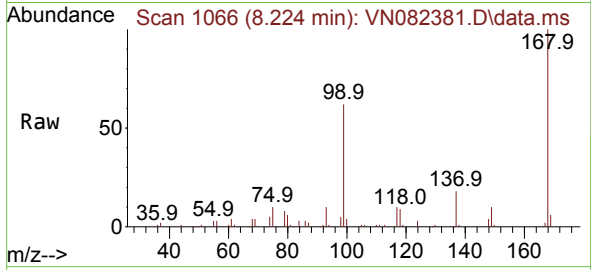
192 18.5 14.0 21.0



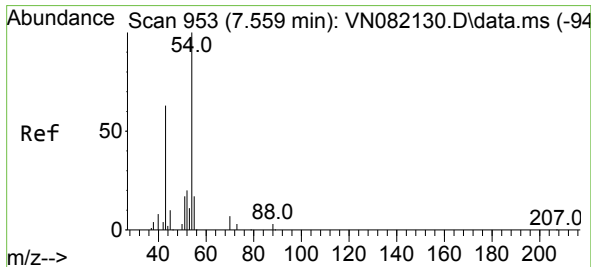
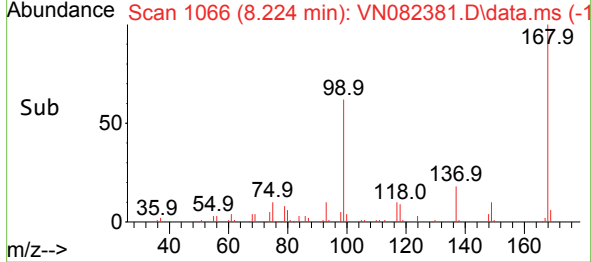
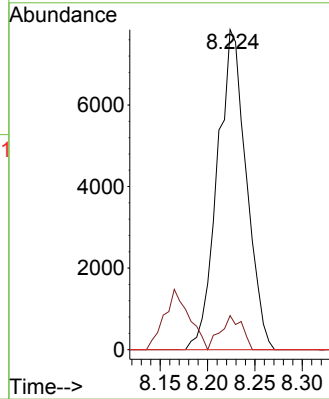


#36
1,1-Dichloropropene
Concen: 5.103 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

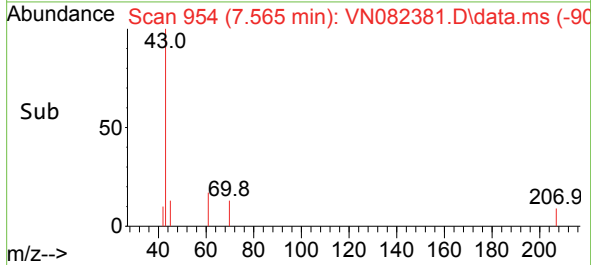
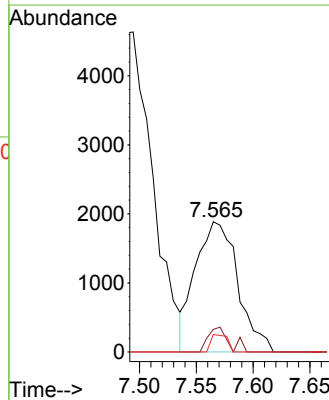
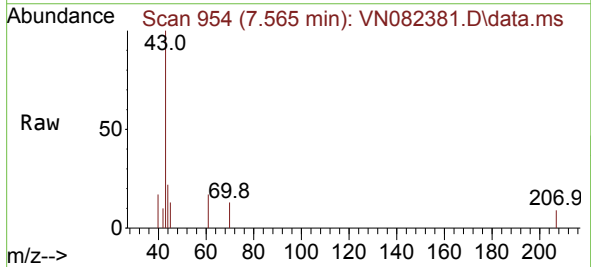


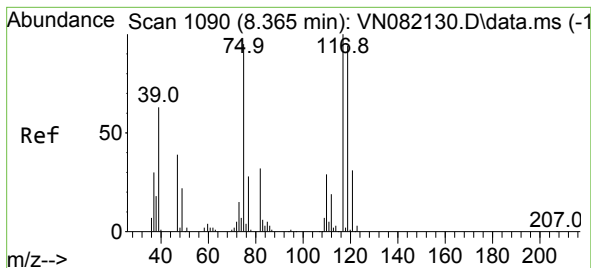
Tgt Ion: 75 Resp: 16687
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.340 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Tgt Ion: 43 Resp: 4903
Ion Ratio Lower Upper
43 100
61 7.6 11.3 16.9#
70 5.2 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

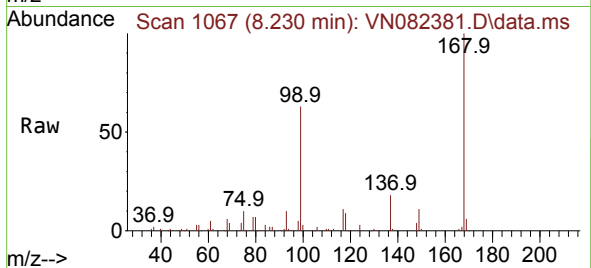
Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :



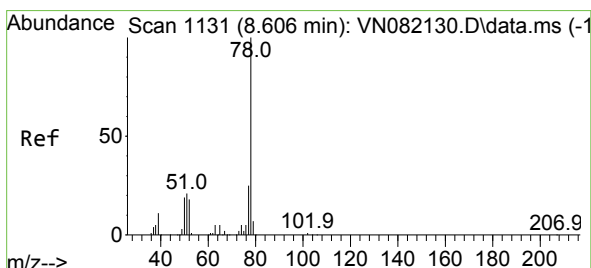
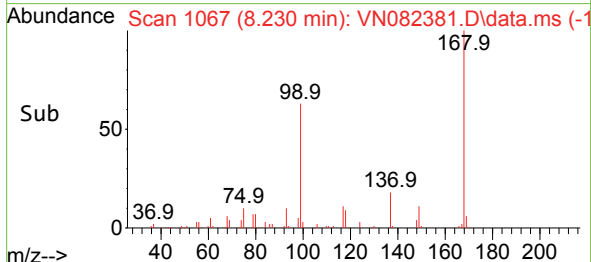
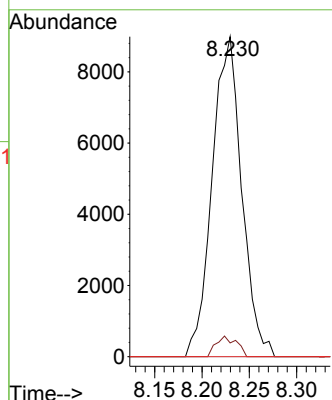
Tgt Ion:117 Resp: 19507

Ion Ratio Lower Upper

117 100

119 4.3 76.5 114.7#

121 0.0 23.9 35.9#



#40

Benzene

Concen: 2.087 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082381.D

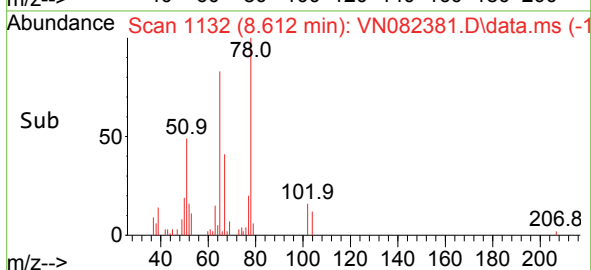
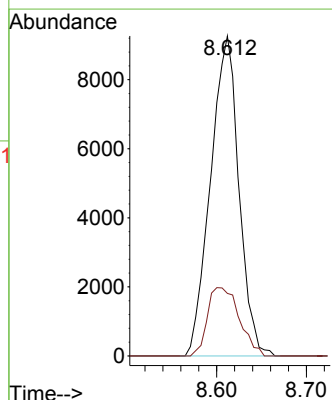
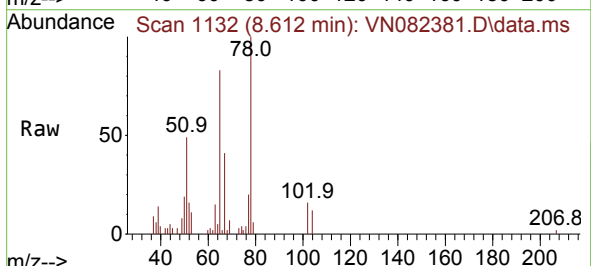
Acq: 29 May 2024 19:30

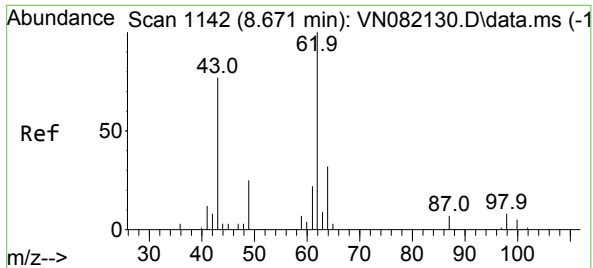
Tgt Ion: 78 Resp: 20349

Ion Ratio Lower Upper

78 100

77 19.6 20.0 30.0#





#42

1,2-Dichloroethane

Concen: 0.315 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

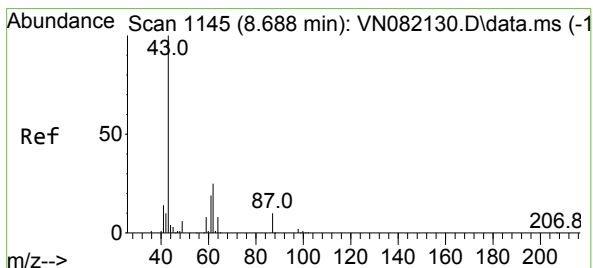
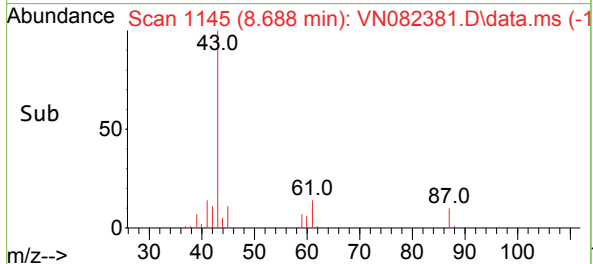
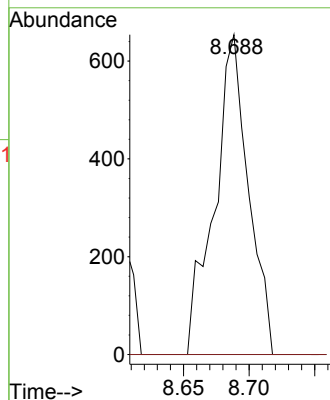
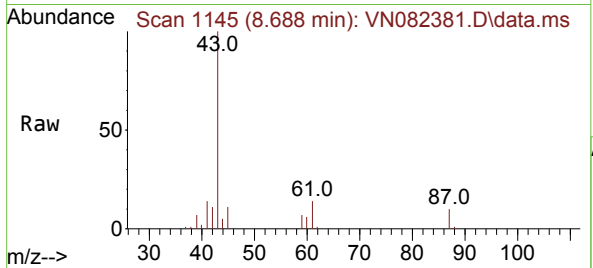
ClientSampleId :

Tgt Ion: 62 Resp: 1180

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 39.929 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

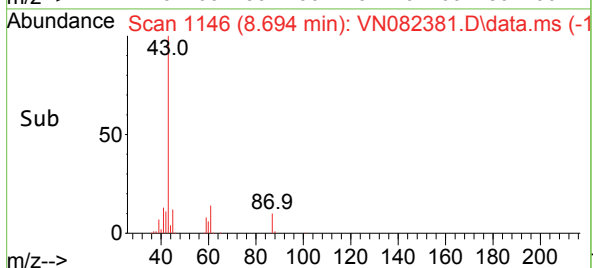
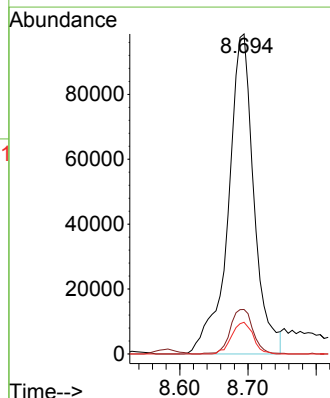
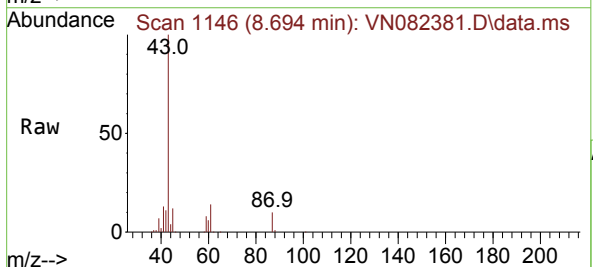
Tgt Ion: 43 Resp: 258910

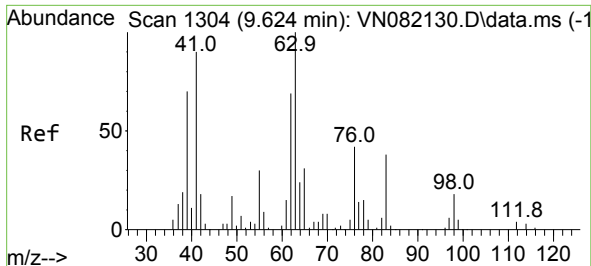
Ion Ratio Lower Upper

43 100

61 12.3 22.8 34.2#

87 8.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.779 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

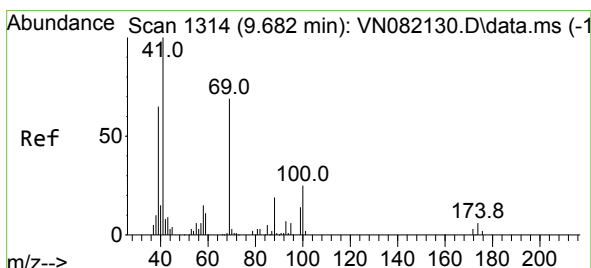
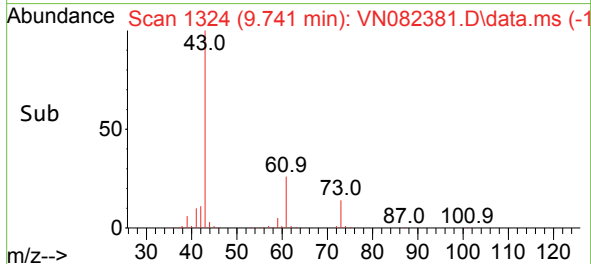
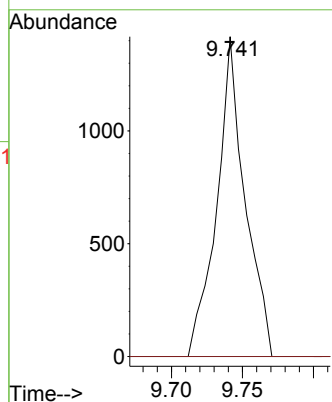
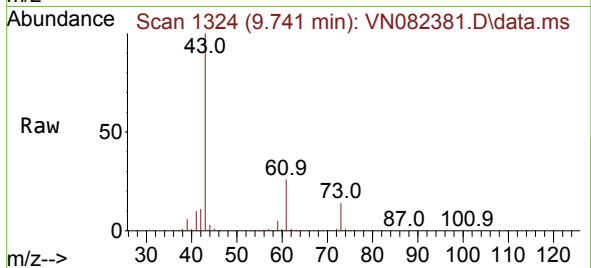
ClientSampleId :

Tgt Ion: 63 Resp: 1959

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.726 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

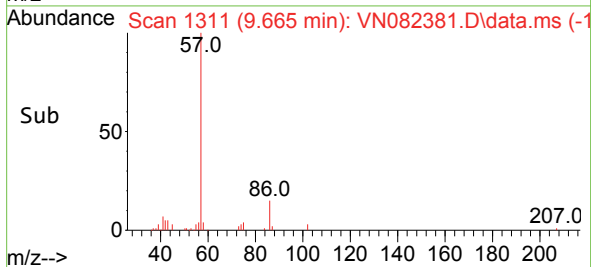
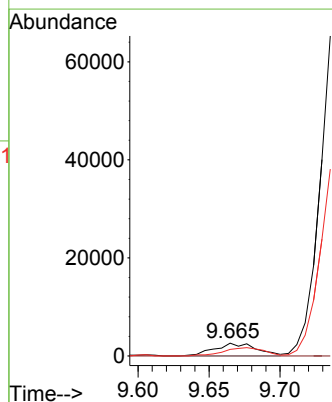
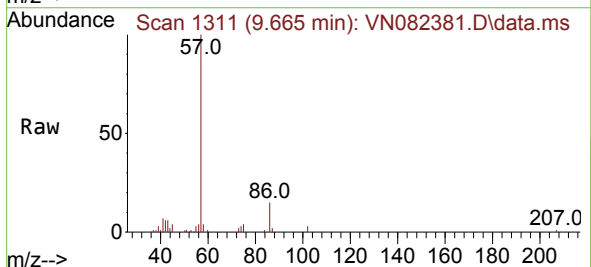
Tgt Ion: 41 Resp: 5333

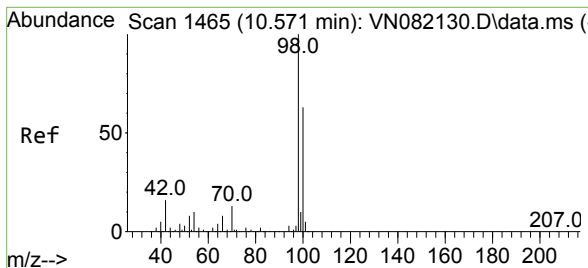
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 62.9 50.9 76.3

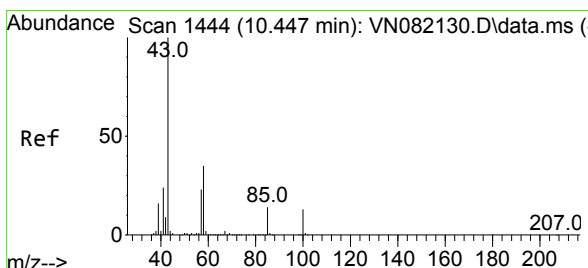
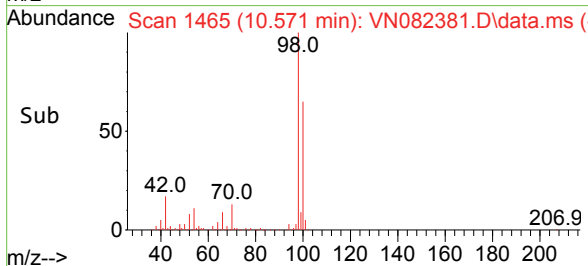
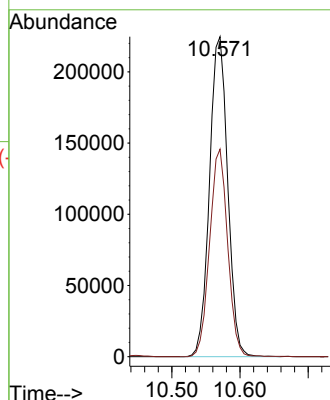
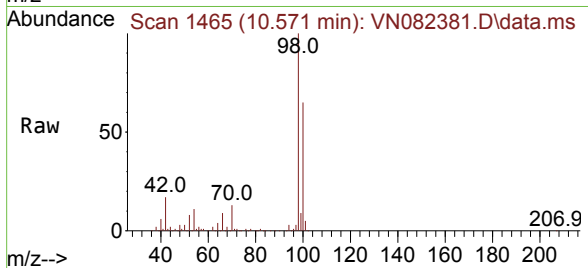




#50
Toluene-d8
Concen: 55.826 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

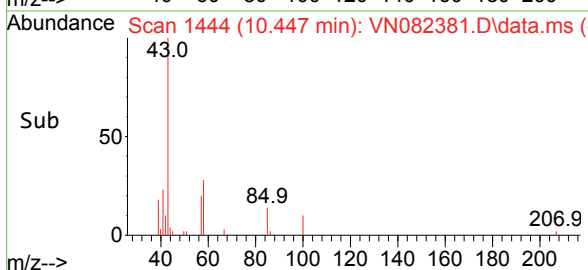
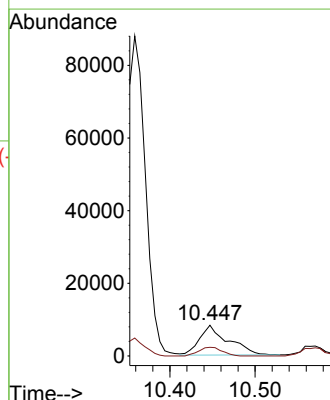
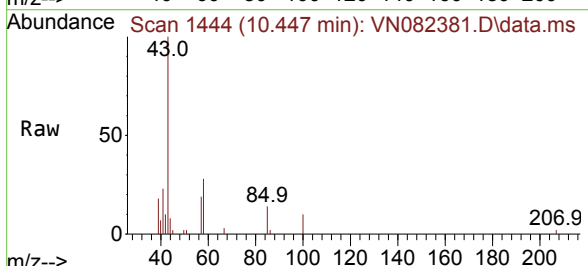
Instrument :
MSVOA_N
ClientSampleId :

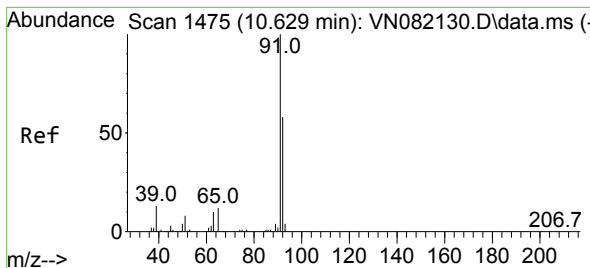
Tgt Ion: 98 Resp: 417299
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.216 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Tgt Ion: 43 Resp: 19218
Ion Ratio Lower Upper
43 100
58 23.8 33.2 49.8#





#52

Toluene

Concen: 0.859 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

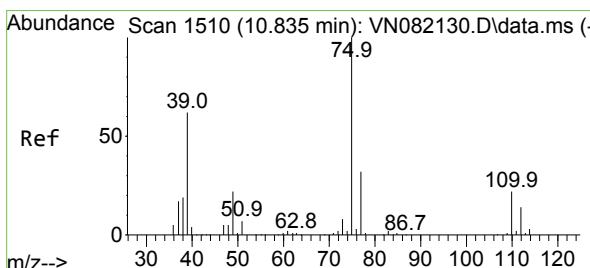
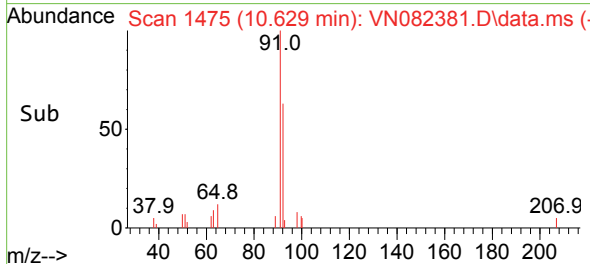
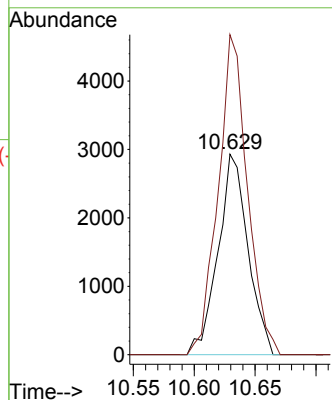
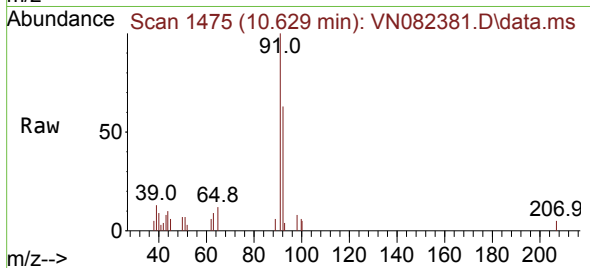
ClientSampleId :

Tgt Ion: 92 Resp: 5024

Ion Ratio Lower Upper

92 100

91 156.2 136.7 205.1



#53

t-1,3-Dichloropropene

Concen: 0.289 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN082381.D

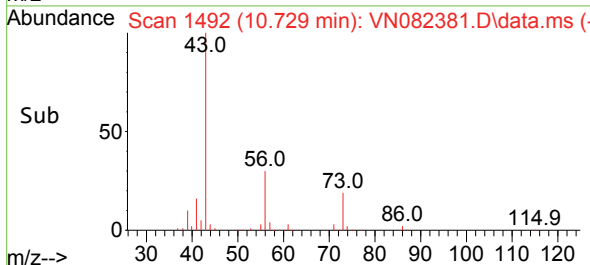
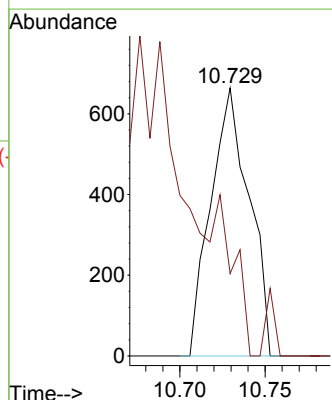
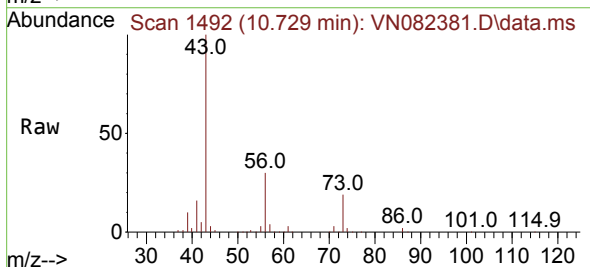
Acq: 29 May 2024 19:30

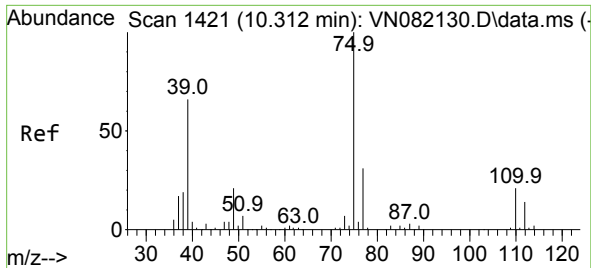
Tgt Ion: 75 Resp: 1041

Ion Ratio Lower Upper

75 100

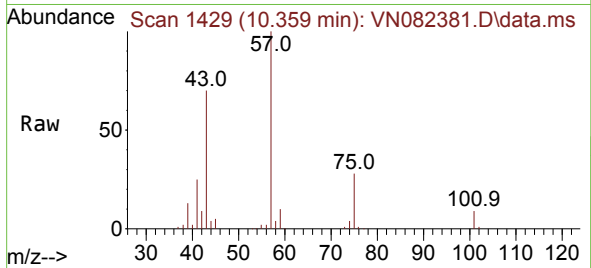
77 30.7 25.4 38.0



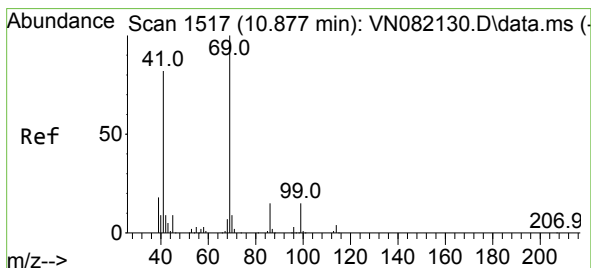
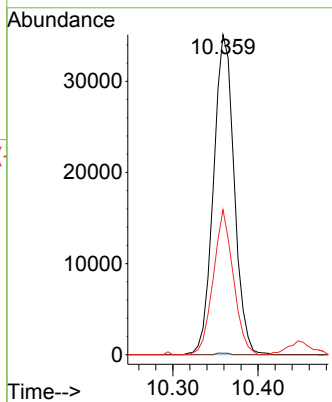
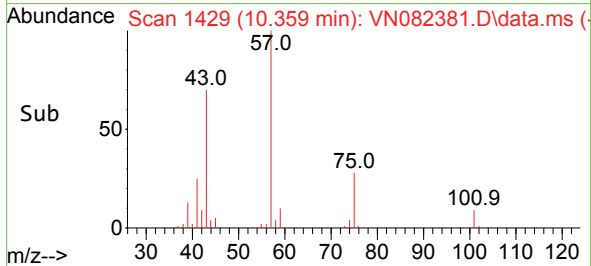


#54
 cis-1,3-Dichloropropene
 Concen: 15.524 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082381.D
 Acq: 29 May 2024 19:30

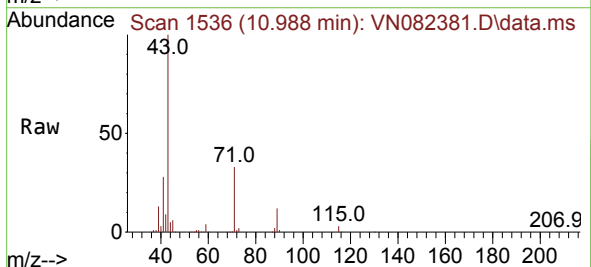
Instrument :
 MSVOA_N
 ClientSampleId :



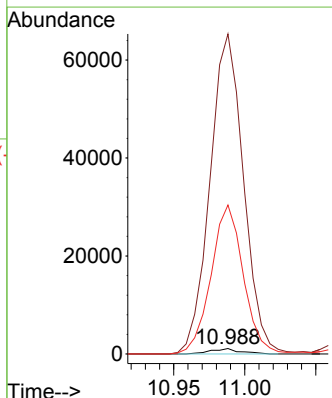
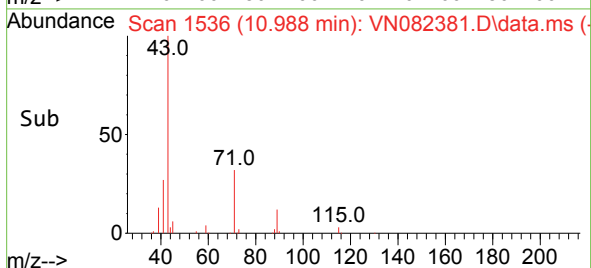
Tgt Ion: 75 Resp: 59260
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 45.3 34.8 52.2

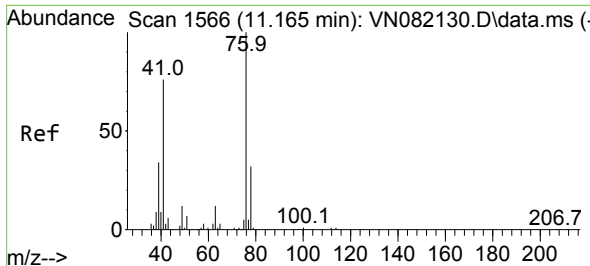


#56
 Ethyl methacrylate
 Concen: 0.435 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082381.D
 Acq: 29 May 2024 19:30



Tgt Ion: 69 Resp: 1572
 Ion Ratio Lower Upper
 69 100
 41 6833.0 46.6 70.0#
 39 3067.9 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.562 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

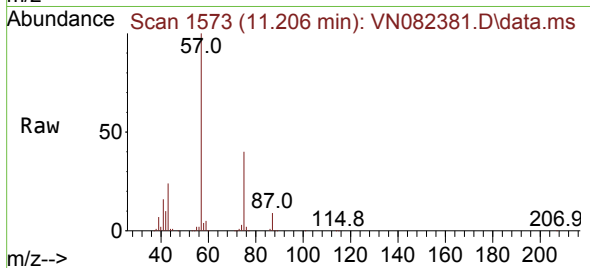
Lab File: VN082381.D

Acq: 29 May 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

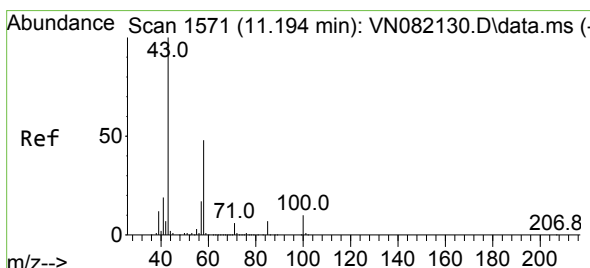
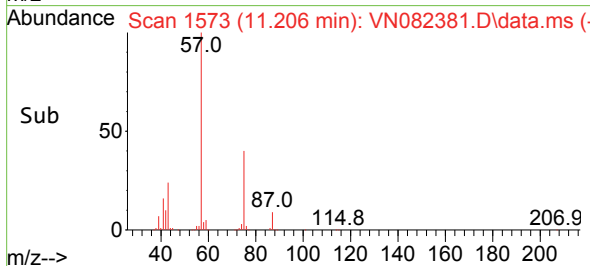
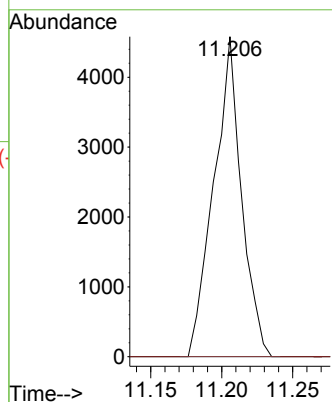


Tgt Ion: 76 Resp: 6211

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 58.769 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082381.D

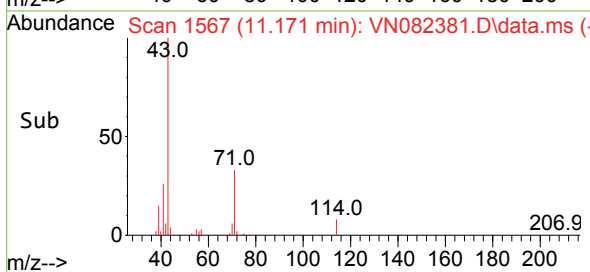
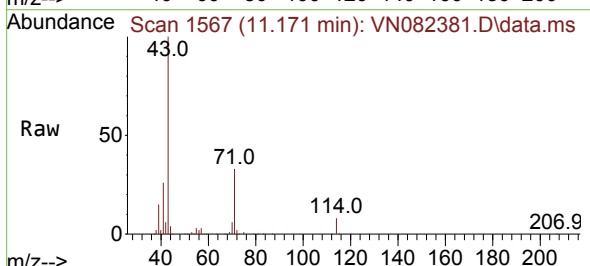
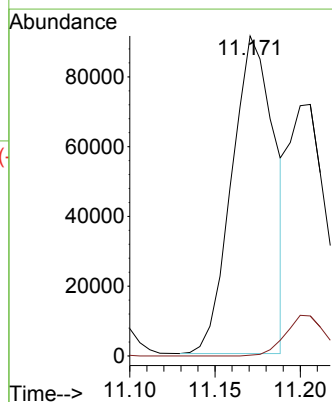
Acq: 29 May 2024 19:30

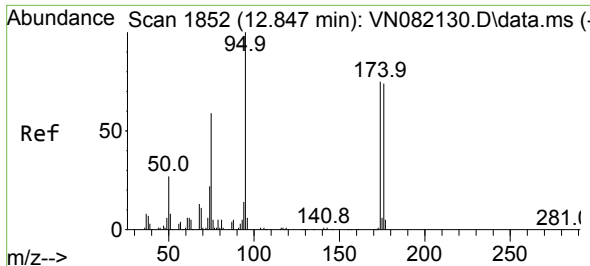
Tgt Ion: 43 Resp: 158535

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

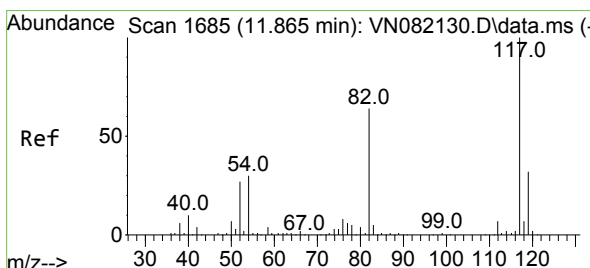
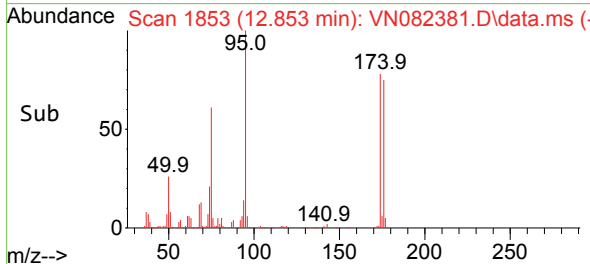
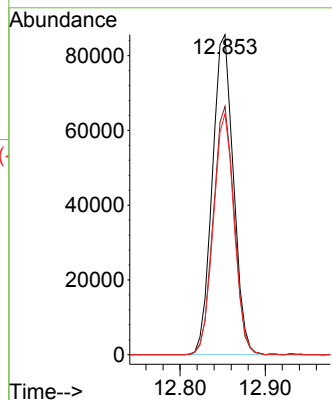
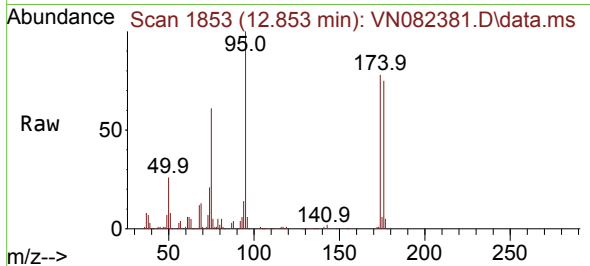




#62
4-Bromofluorobenzene
Concen: 55.366 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

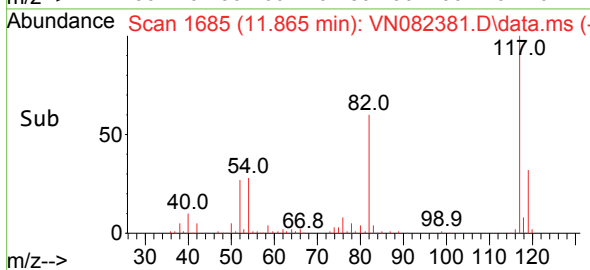
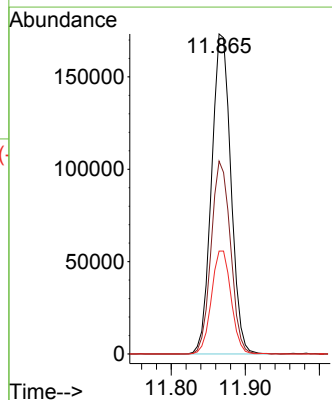
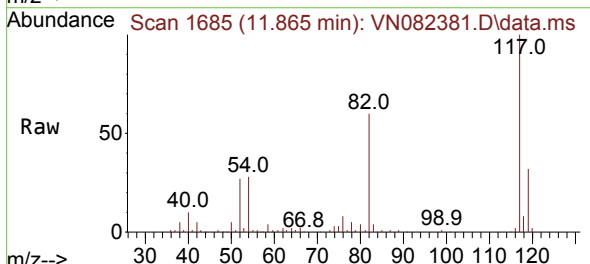
Instrument :
MSVOA_N
ClientSampleId :

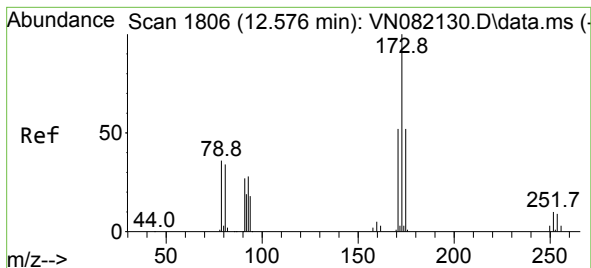
Tgt Ion: 95 Resp: 147717
Ion Ratio Lower Upper
95 100
174 76.9 0.0 160.6
176 74.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Tgt Ion: 117 Resp: 314263
Ion Ratio Lower Upper
117 100
82 60.3 44.6 66.8
119 32.2 25.9 38.9





#71

Bromoform

Concen: 0.730 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN082381.D

Acq: 29 May 2024 19:30

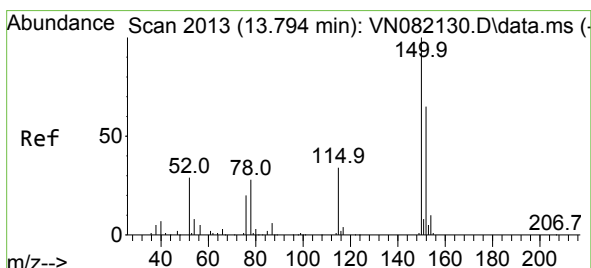
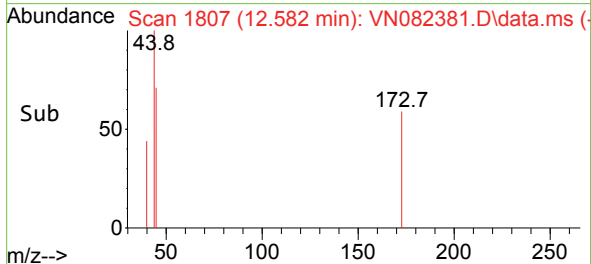
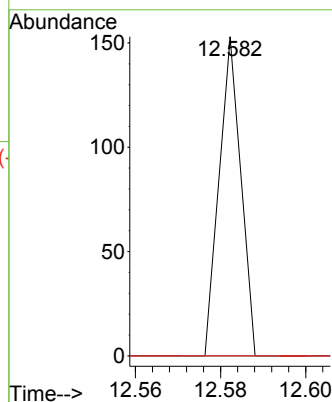
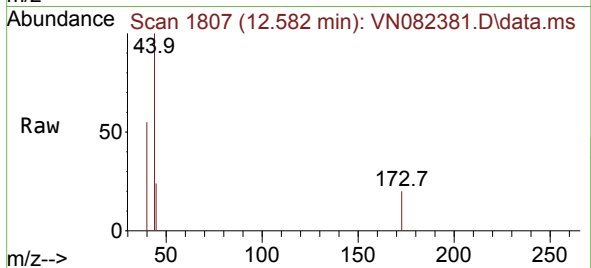
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 54

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

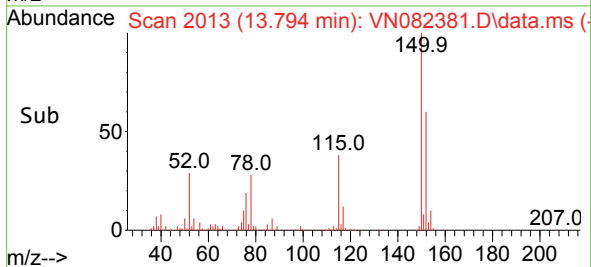
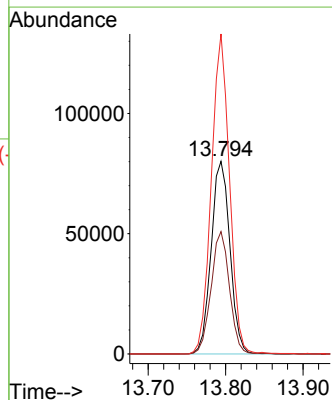
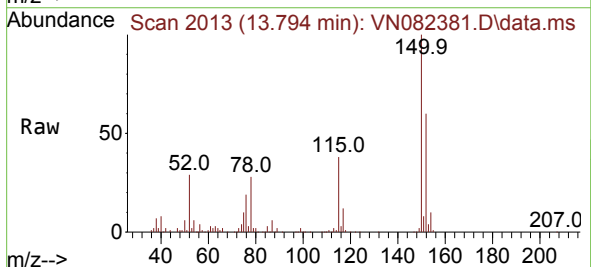
Delta R.T. -0.000 min

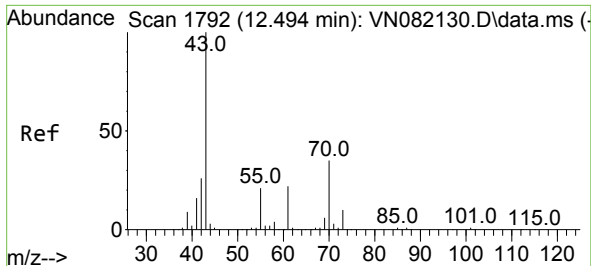
Lab File: VN082381.D

Acq: 29 May 2024 19:30

Tgt Ion:152 Resp: 135109

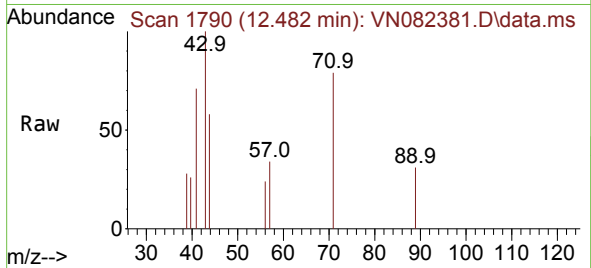
Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.4	91.3
150	159.8	0.0	353.2



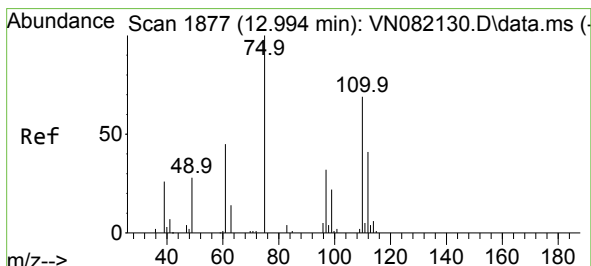
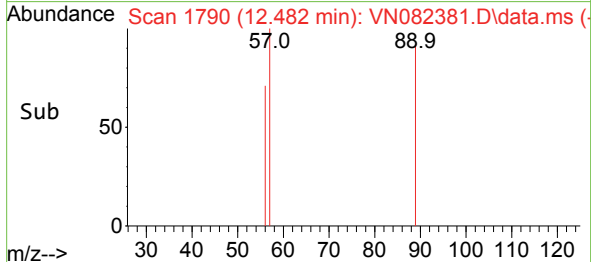
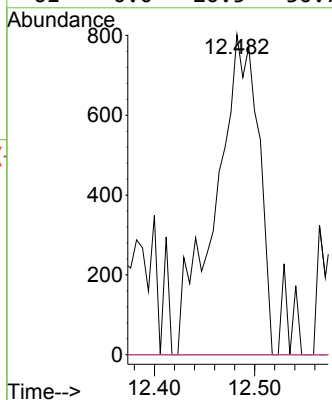


#74
N-amy1 acetate
Concen: 0.404 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :

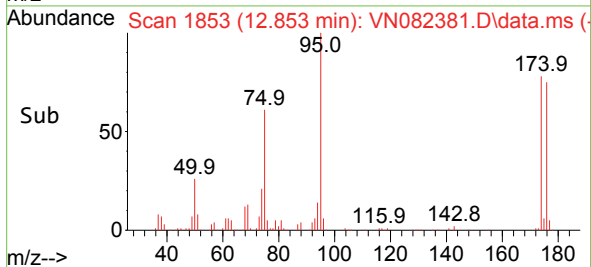
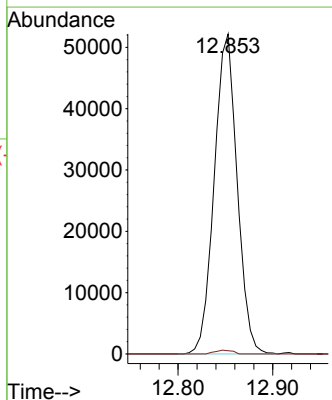
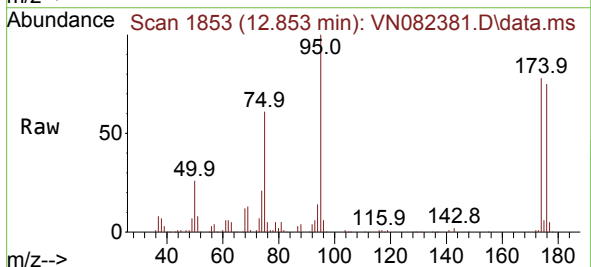


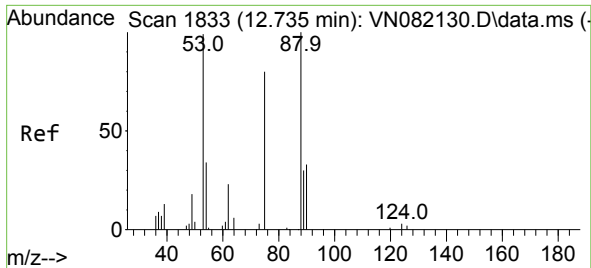
Tgt Ion: 43	Resp: 2385
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.3 31.9#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 30.843 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082381.D
Acq: 29 May 2024 19:30

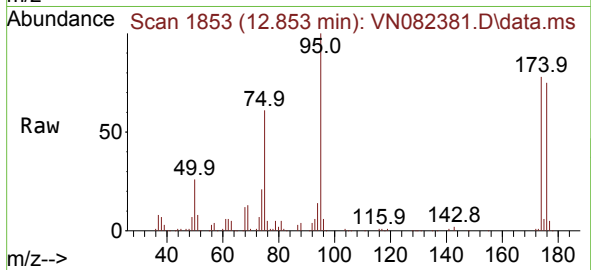
Tgt Ion: 75	Resp: 87709
Ion Ratio	Lower Upper
75	100
77	0.9 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.141 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082381.D
 Acq: 29 May 2024 19:30

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 87709
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

