

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071624\
 Data File : VN082945.D
 Acq On : 16 Jul 2024 19:15
 Operator : JC\MD
 Sample : P3246-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

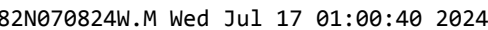
Instrument :
 MSVOA_N
 ClientSampleId :

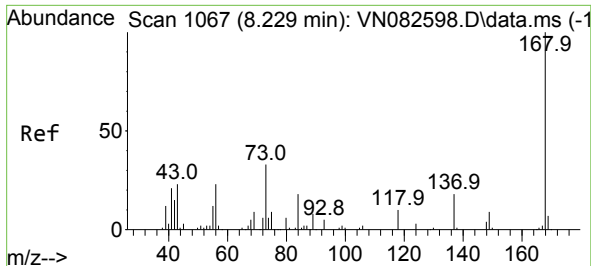
Quant Time: Jul 17 01:00:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	86221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	183340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	194825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	68385	56.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.160%
35) Dibromofluoromethane	8.165	113	55136	46.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.740%
50) Toluene-d8	10.571	98	212780	48.969	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.940%
62) 4-Bromofluorobenzene	12.853	95	68242	43.722	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	87.440%
Target Compounds						Qvalue
5) Bromomethane	2.971	94	187	0.233	ug/l	90
16) Acetone	4.442	43	19694	46.281	ug/l	91
17) Carbon Disulfide	4.712	76	906	0.344	ug/l #	75
18) Methyl Acetate	5.042	43	1381	1.226	ug/l #	56
20) Methylene Chloride	5.283	84	5887	5.729	ug/l #	74
25) 2-Butanone	7.488	43	2445	3.805	ug/l	98
31) Cyclohexane	8.235	56	2191	1.387	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	8077	4.980	ug/l #	49
37) Ethyl Acetate	7.571	43	1724	1.044	ug/l #	72
38) Carbon Tetrachloride	8.230	117	9545	4.887	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	371	0.207	ug/l #	78
43) Isopropyl Acetate	8.694	43	104770	32.616	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	864	0.742	ug/l #	44
48) Methyl methacrylate	9.677	41	2210	1.707	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	3283	2.005	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	23436	11.463	ug/l #	64
56) Ethyl methacrylate	10.988	69	1134	0.636	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3385	1.669	ug/l #	43
59) 2-Hexanone	11.206	43	35777	29.394	ug/l #	63
71) Bromoform	12.853	173	694	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	37681	28.836	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	37681	56.712	ug/l #	6

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

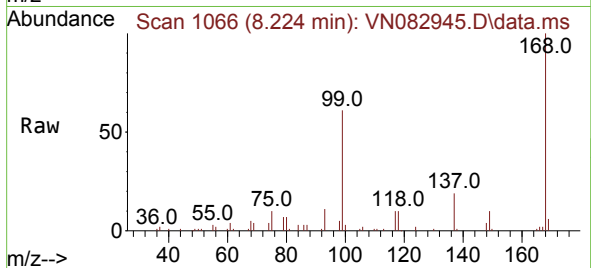
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration



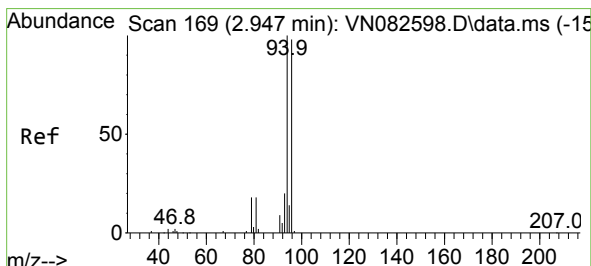
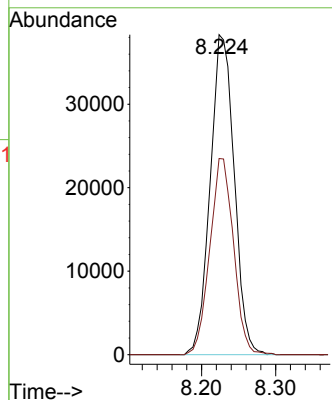
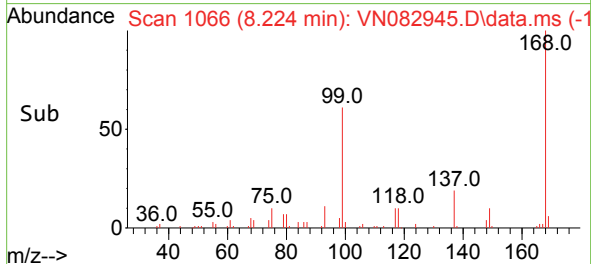


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Instrument :
MSVOA_N
ClientSampleId :

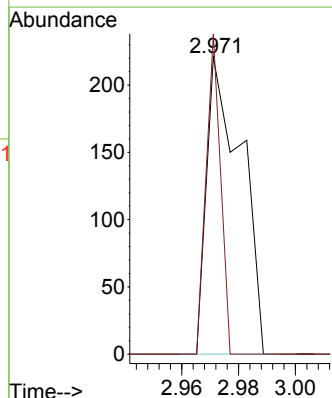
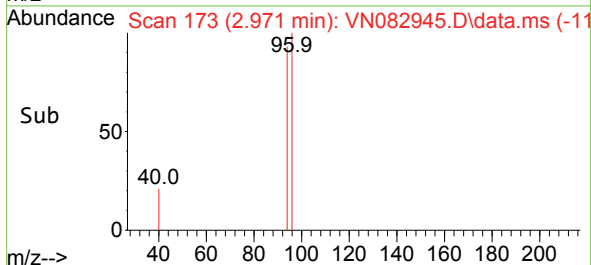
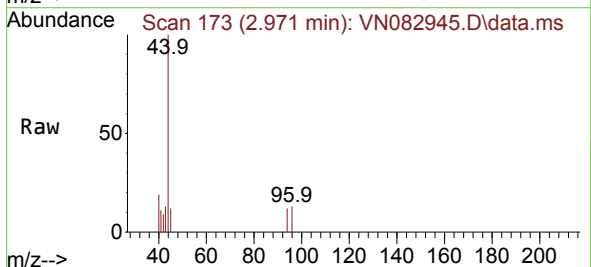


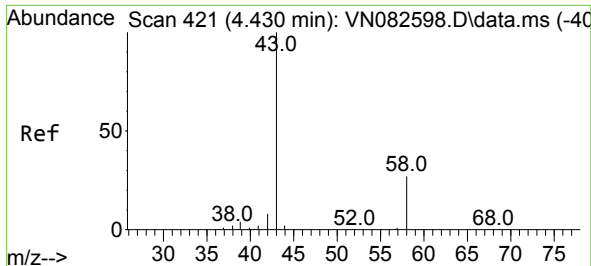
Tgt Ion:168 Resp: 86221
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 107.7 78.0 117.0





#16

Acetone

Concen: 46.281 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

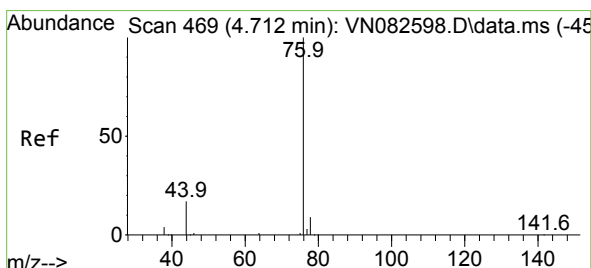
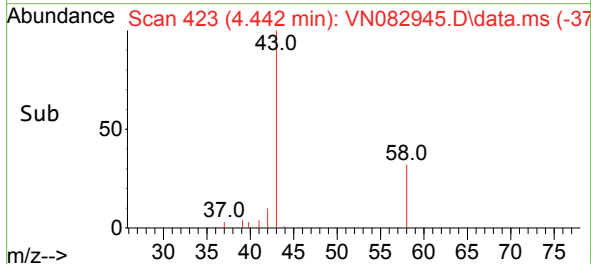
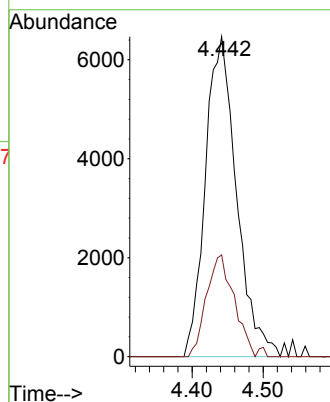
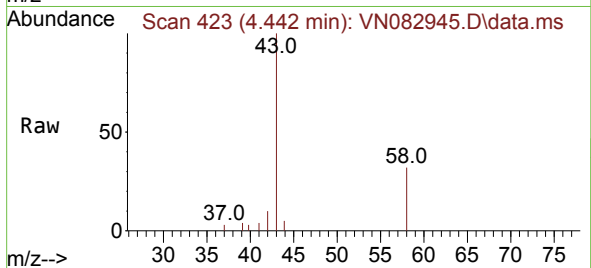
ClientSampleId :

Tgt Ion: 43 Resp: 19694

Ion Ratio Lower Upper

43 100

58 31.8 21.8 32.6



#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN082945.D

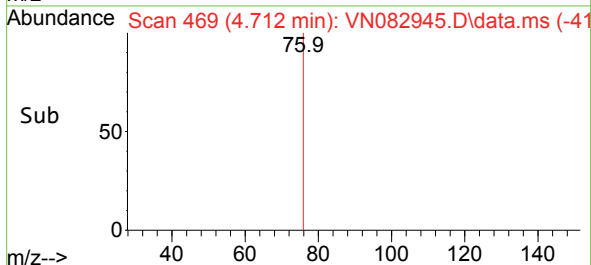
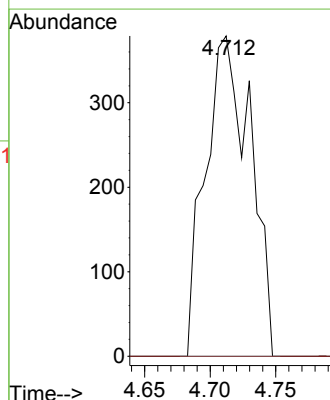
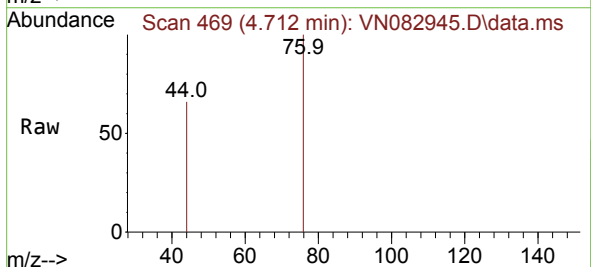
Acq: 16 Jul 2024 19:15

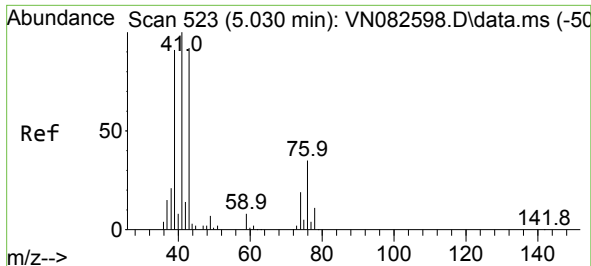
Tgt Ion: 76 Resp: 906

Ion Ratio Lower Upper

76 100

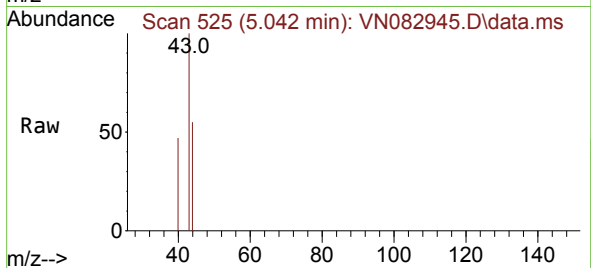
78 0.0 7.2 10.8#



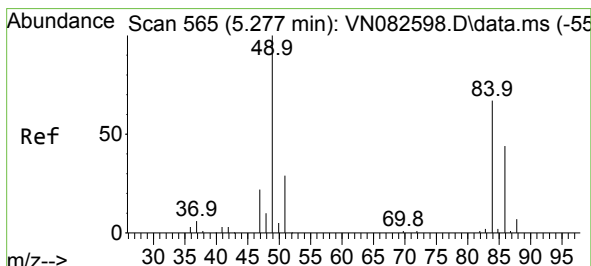
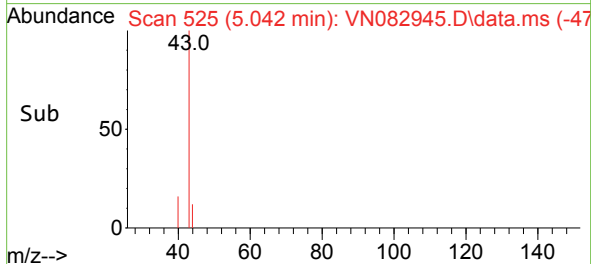
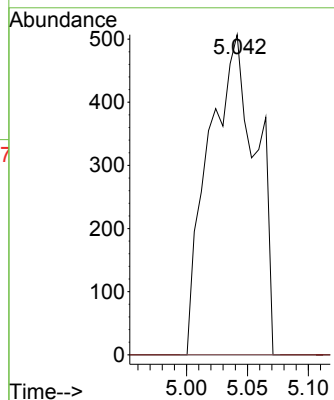


#18
Methyl Acetate
Concen: 1.226 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Instrument :
MSVOA_N
ClientSampleId :

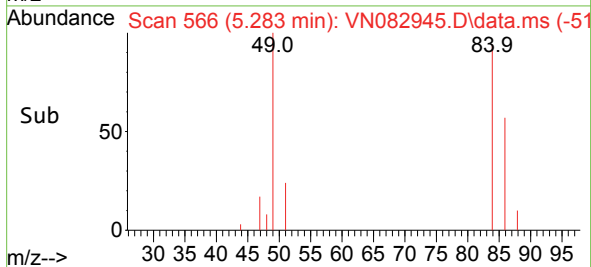
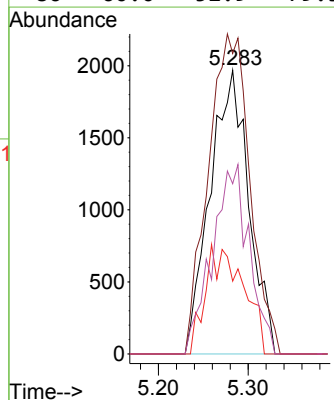
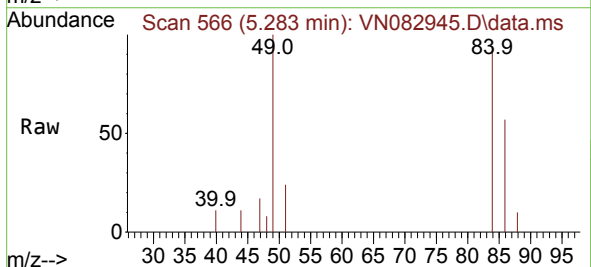


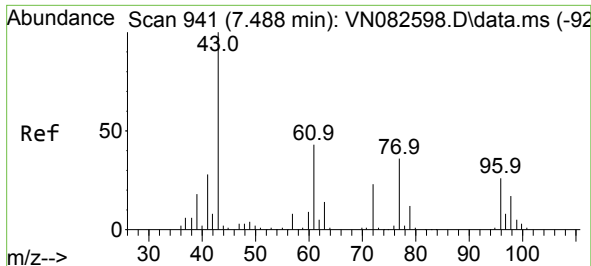
Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 5.729 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Tgt Ion: 84 Resp: 5887
Ion Ratio Lower Upper
84 100
49 105.9 119.6 179.4#
51 25.6 34.8 52.2#
86 60.0 52.9 79.3

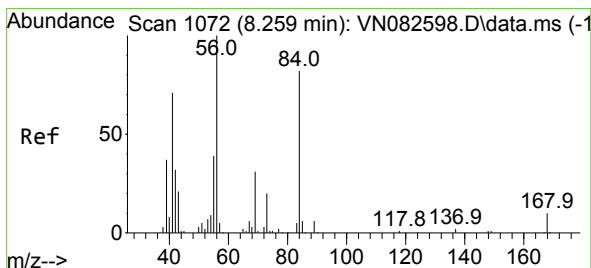
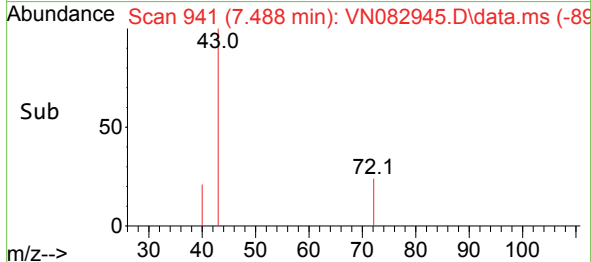
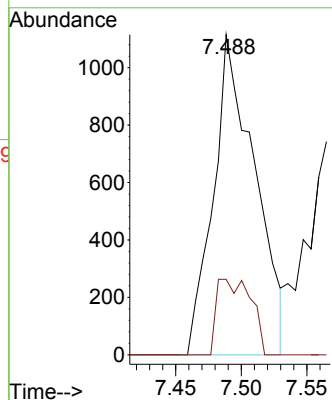
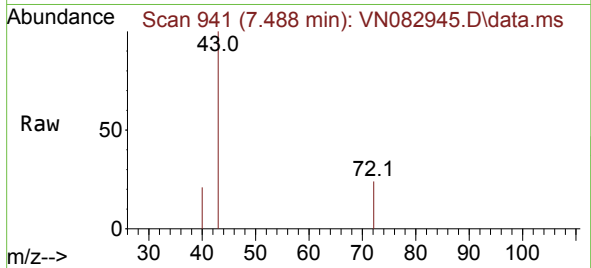




#25
2-Butanone
Concen: 3.805 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

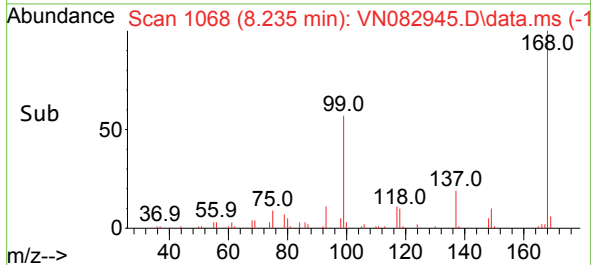
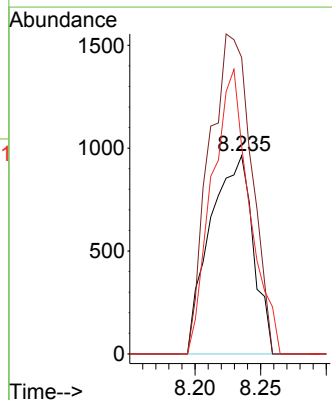
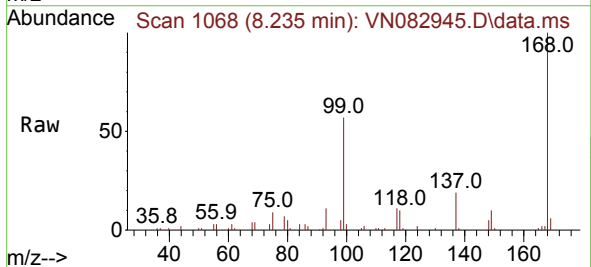
Instrument :
MSVOA_N
ClientSampleId :

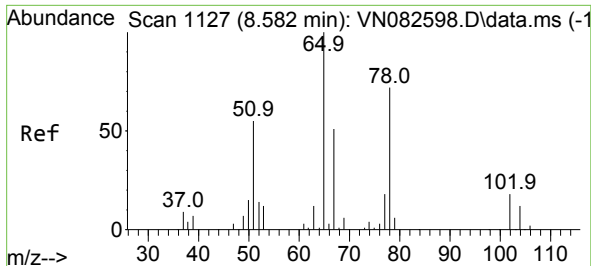
Tgt Ion: 43 Resp: 2445
Ion Ratio Lower Upper
43 100
72 23.6 18.2 27.2



#31
Cyclohexane
Concen: 1.387 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Tgt Ion: 56 Resp: 2191
Ion Ratio Lower Upper
56 100
69 149.6 24.5 36.7#
84 104.8 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.580 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

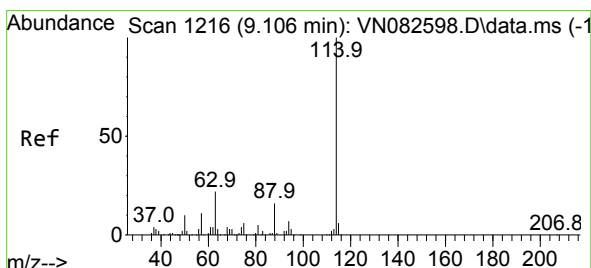
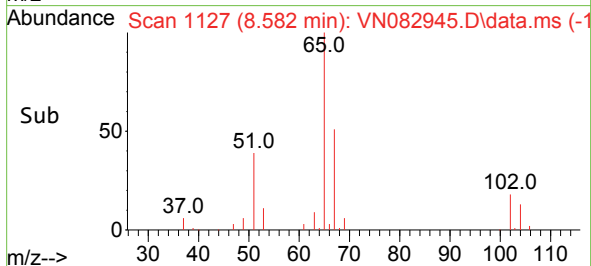
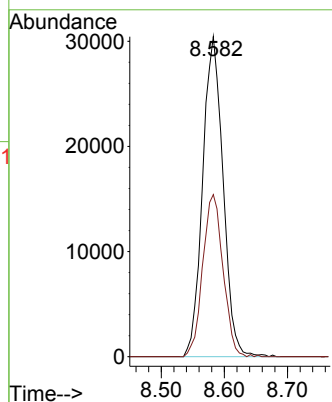
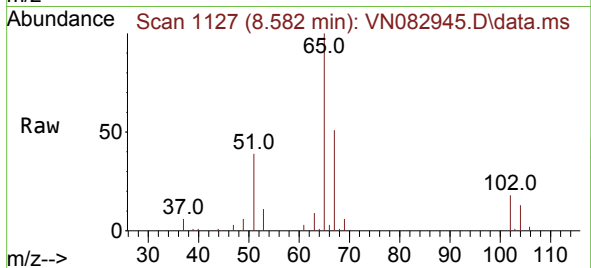
ClientSampleId :

Tgt Ion: 65 Resp: 68385

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

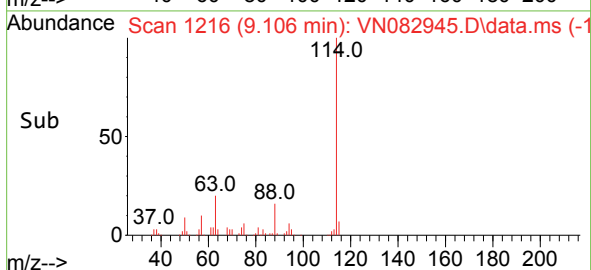
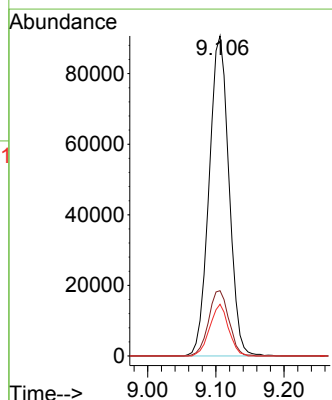
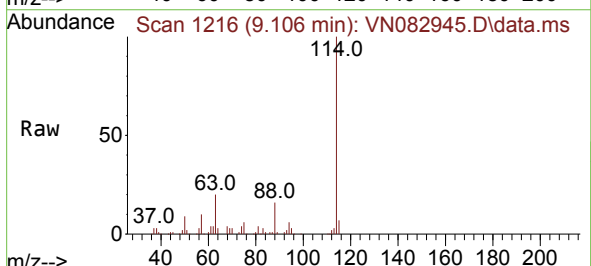
Tgt Ion: 114 Resp: 183340

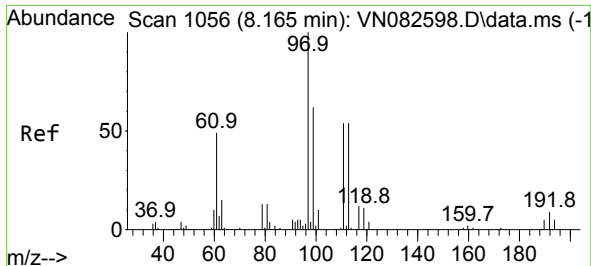
Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.6

88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

ClientSampleId :

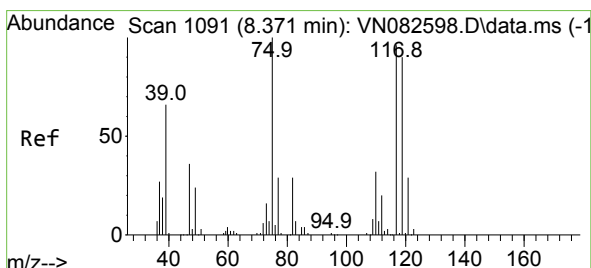
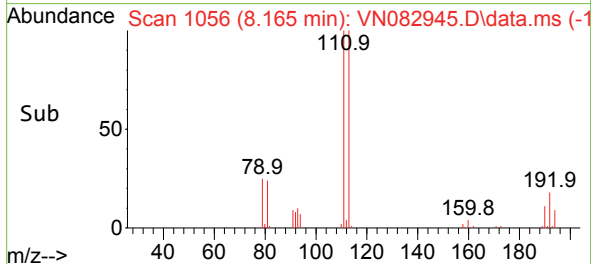
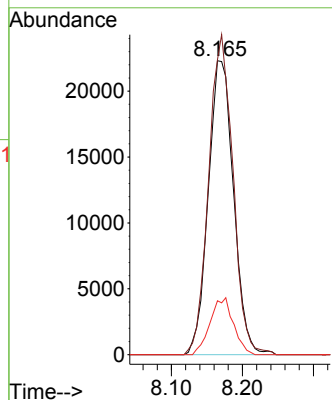
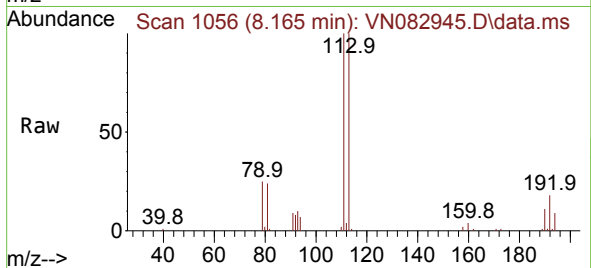
Tgt Ion:113 Resp: 55136

Ion Ratio Lower Upper

113 100

111 104.6 82.4 123.6

192 17.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.980 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

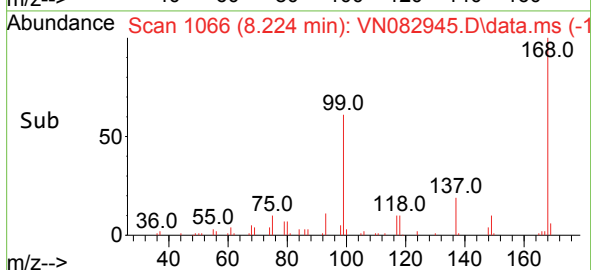
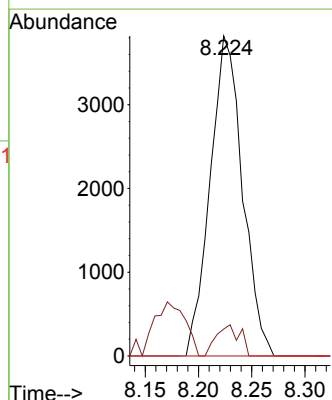
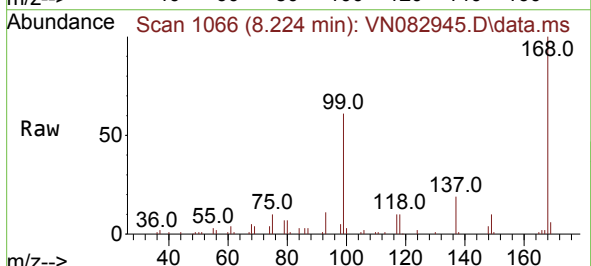
Tgt Ion: 75 Resp: 8077

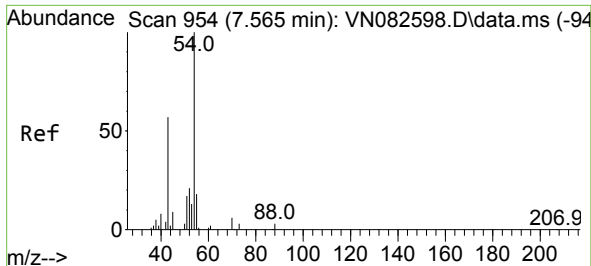
Ion Ratio Lower Upper

75 100

110 7.1 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.044 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

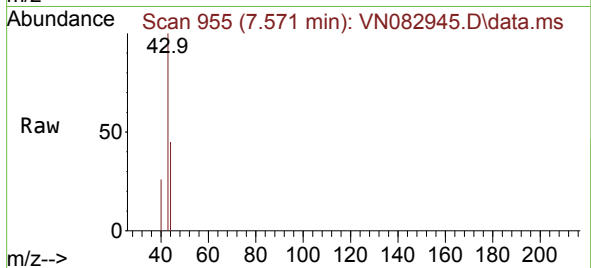
Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

ClientSampleId :



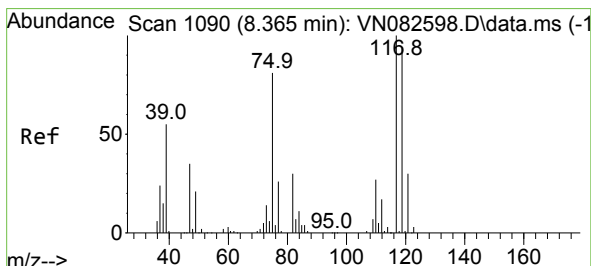
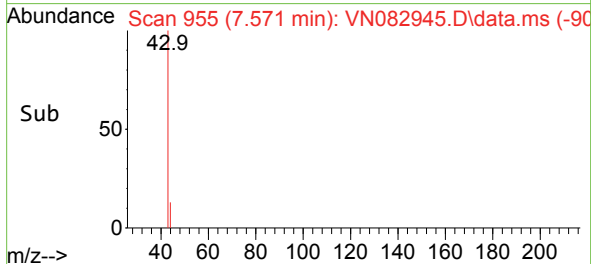
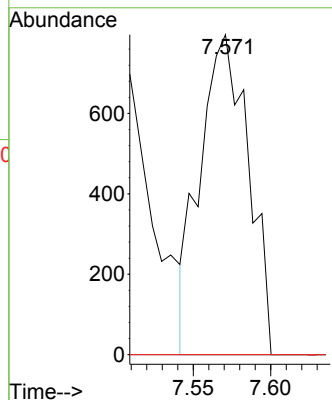
Tgt Ion: 43 Resp: 1724

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.887 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

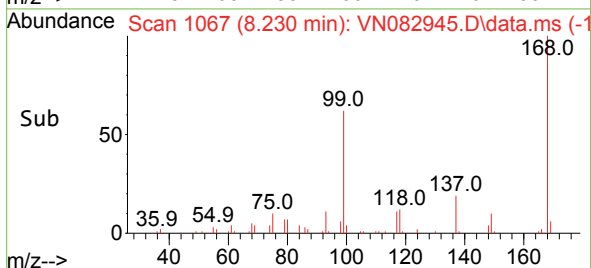
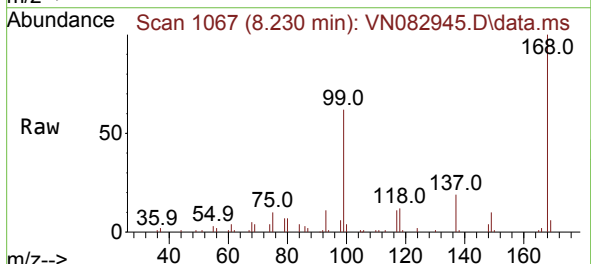
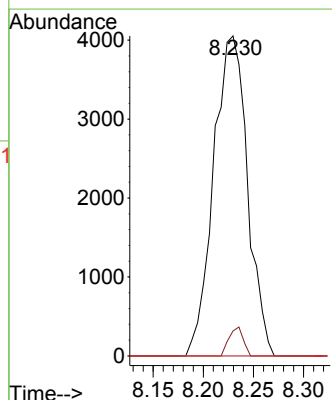
Tgt Ion: 117 Resp: 9545

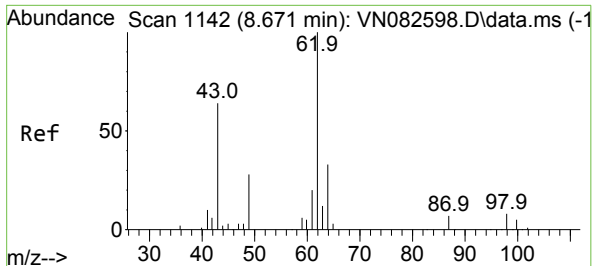
Ion Ratio Lower Upper

117 100

119 7.8 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

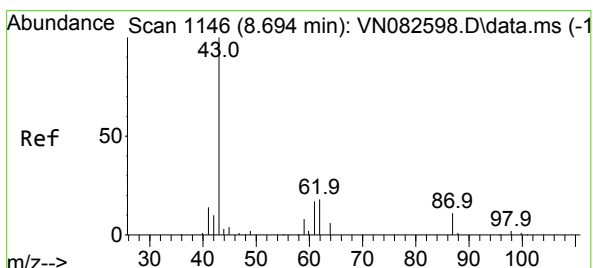
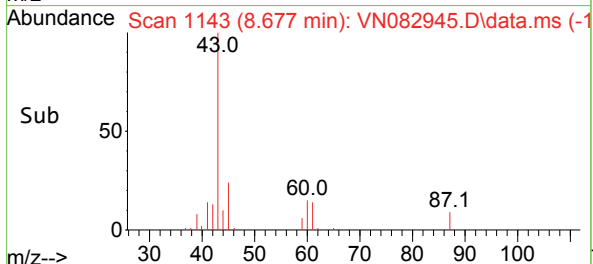
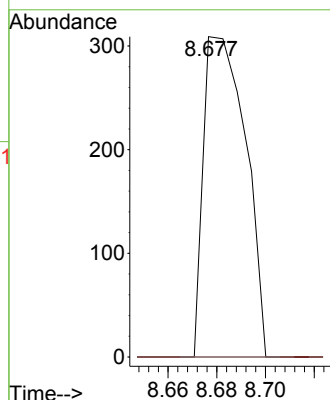
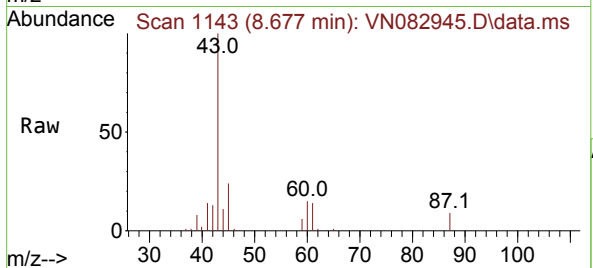
ClientSampleId :

Tgt Ion: 62 Resp: 371

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 32.616 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

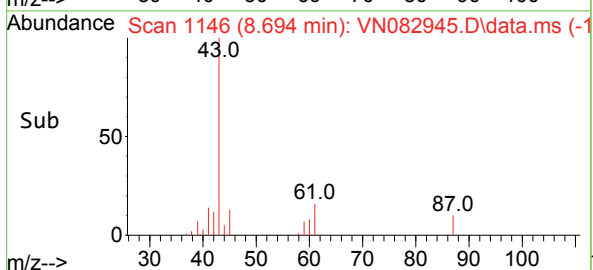
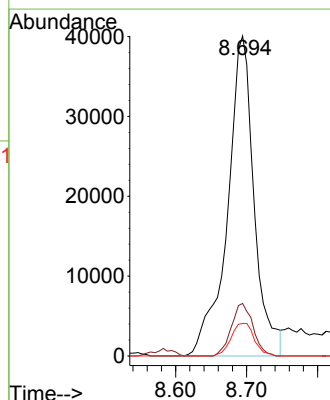
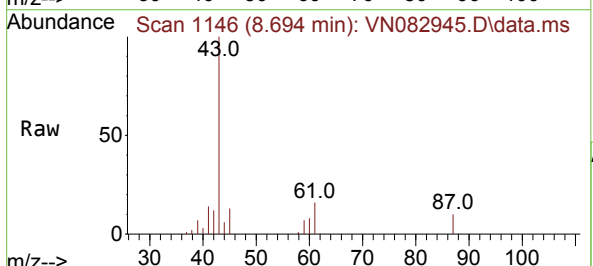
Tgt Ion: 43 Resp: 104770

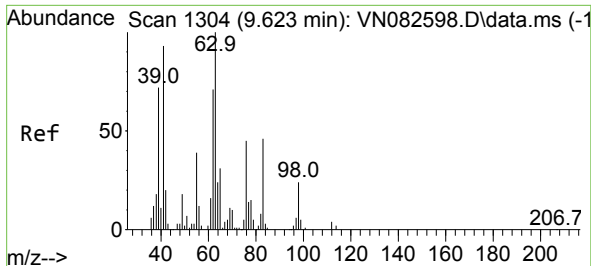
Ion Ratio Lower Upper

43 100

61 13.3 17.8 26.6

87 8.8 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.742 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

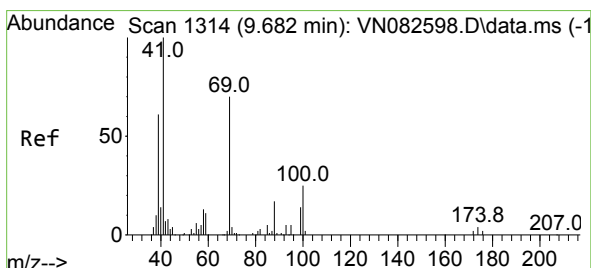
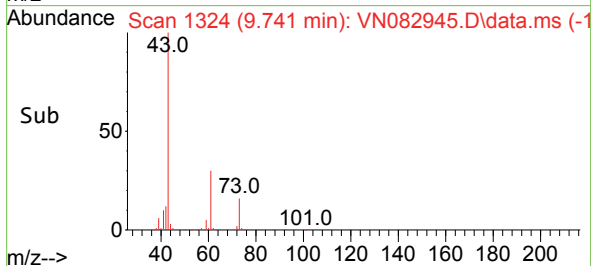
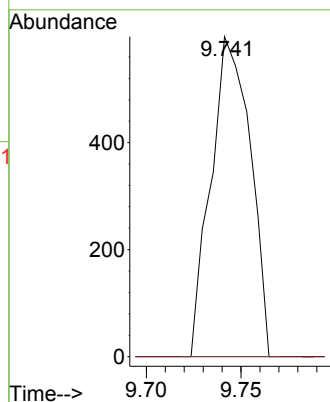
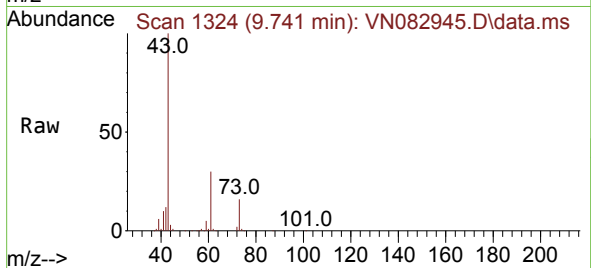
ClientSampleId :

Tgt Ion: 63 Resp: 864

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.707 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.005 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

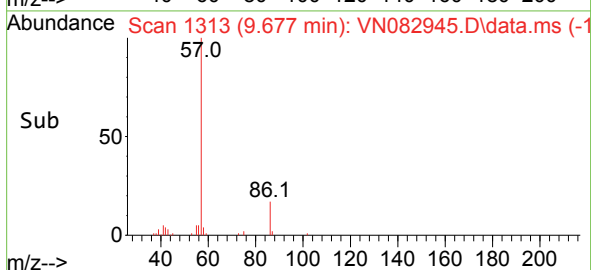
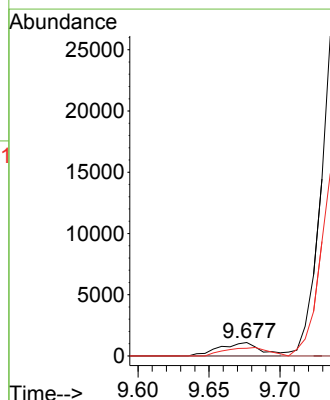
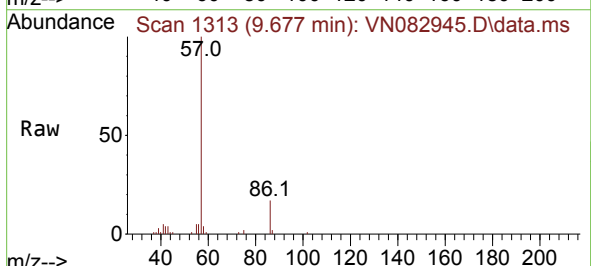
Tgt Ion: 41 Resp: 2210

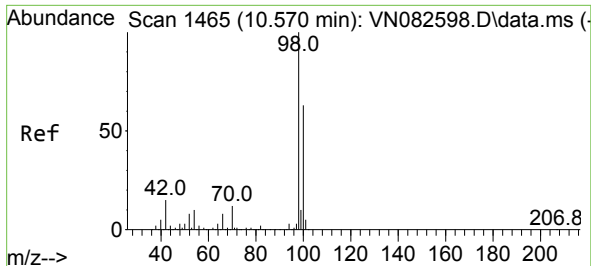
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 65.6 50.3 75.5

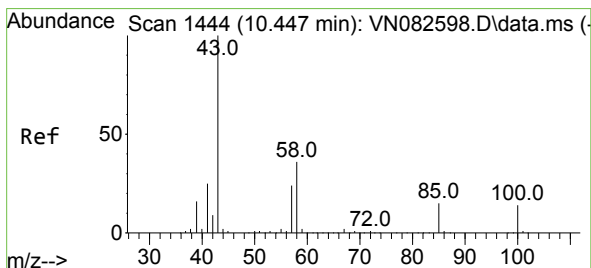
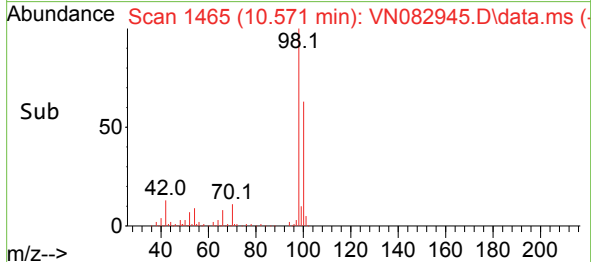
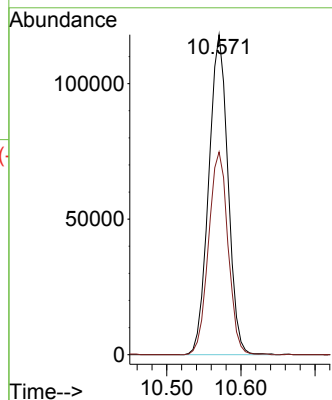
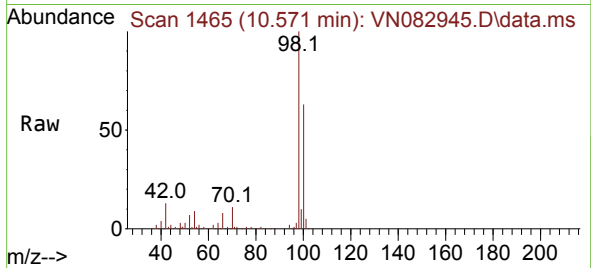




#50
Toluene-d8
Concen: 48.969 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

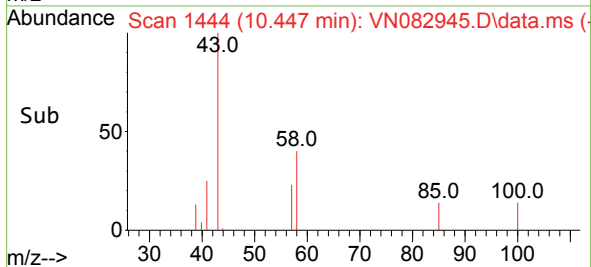
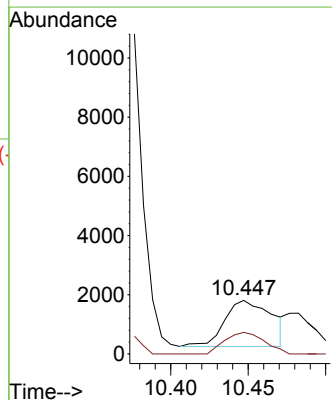
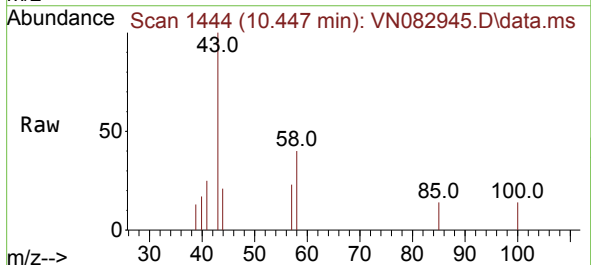
Instrument :
MSVOA_N
ClientSampleId :

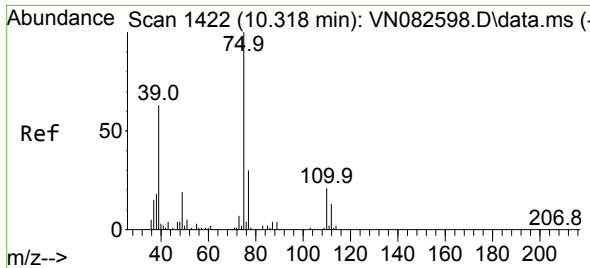
Tgt Ion: 98 Resp: 212780
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.005 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Tgt Ion: 43 Resp: 3283
Ion Ratio Lower Upper
43 100
58 39.7 28.2 42.4

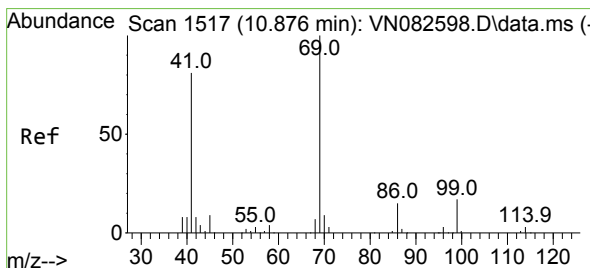
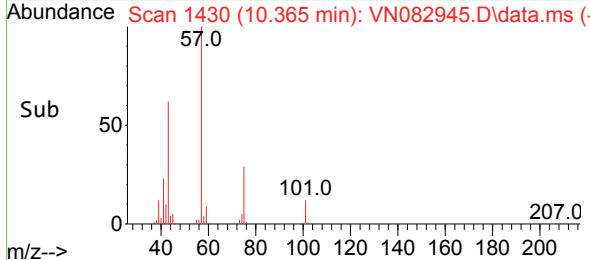
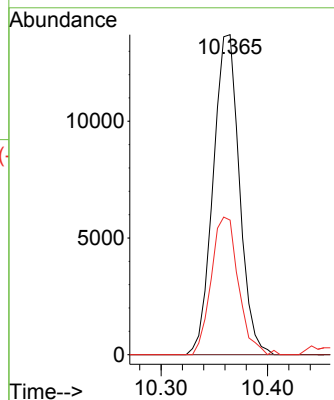
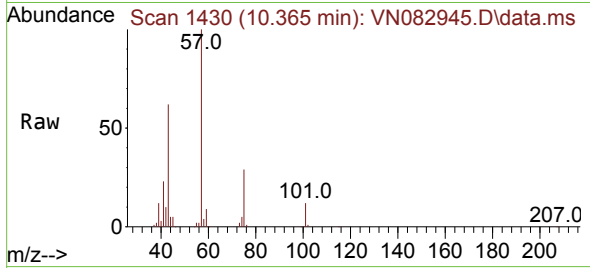




#54
 cis-1,3-Dichloropropene
 Concen: 11.463 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN082945.D
 Acq: 16 Jul 2024 19:15

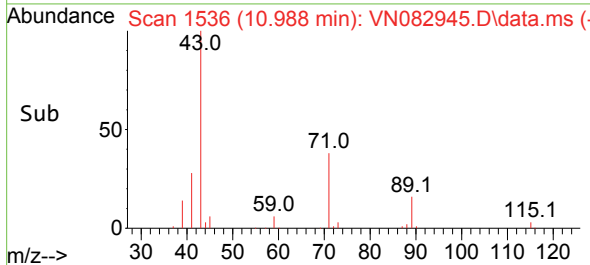
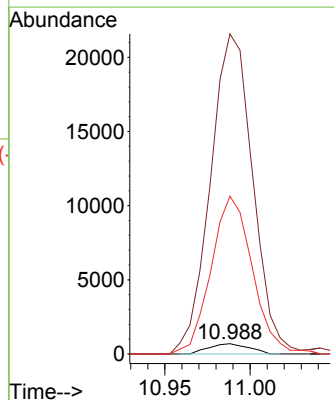
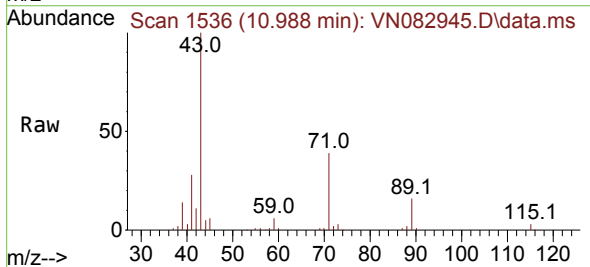
Instrument :
 MSVOA_N
 ClientSampleId :

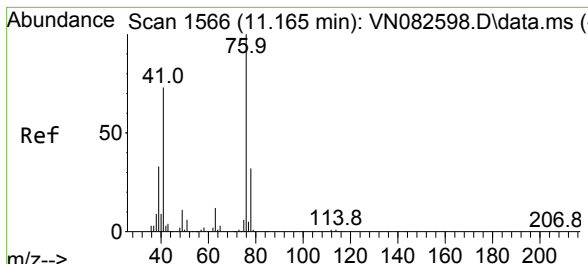
Tgt Ion: 75 Resp: 23436
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 42.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.636 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082945.D
 Acq: 16 Jul 2024 19:15

Tgt Ion: 69 Resp: 1134
 Ion Ratio Lower Upper
 69 100
 41 3297.2 63.4 95.2#
 39 1581.0 37.4 56.0#



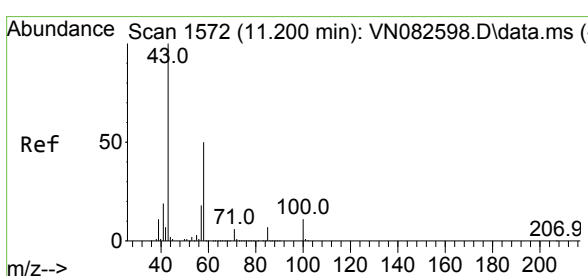
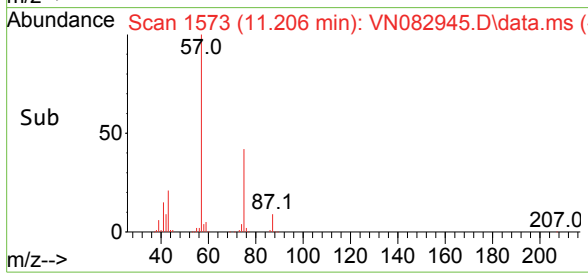
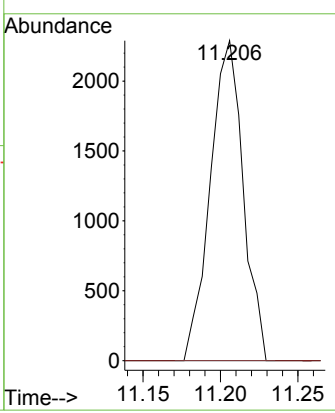
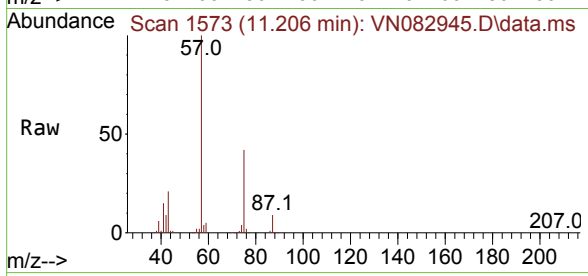


#57
 1,3-Dichloropropane
 Concen: 1.669 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082945.D
 Acq: 16 Jul 2024 19:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 76 Resp: 3385

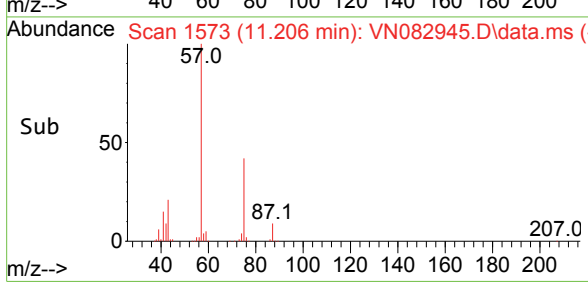
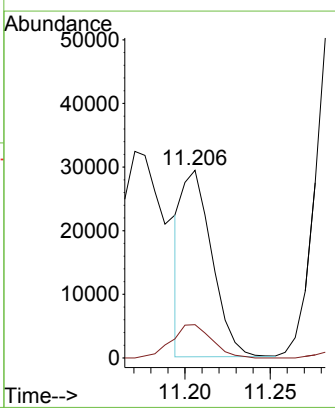
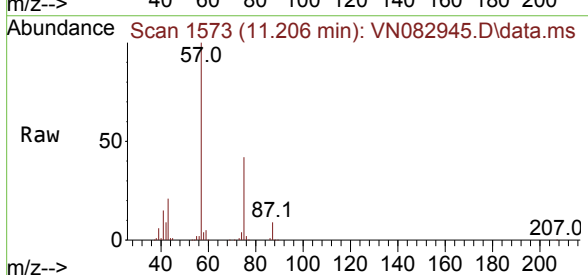
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#

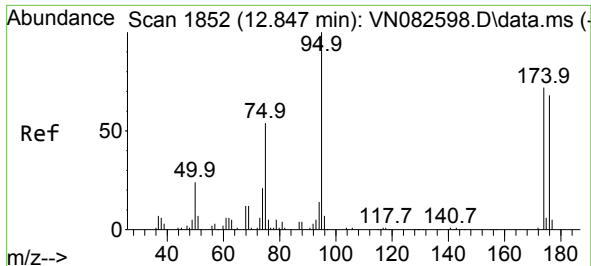


#59
 2-Hexanone
 Concen: 29.394 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.006 min
 Lab File: VN082945.D
 Acq: 16 Jul 2024 19:15

Tgt Ion: 43 Resp: 35777

Ion	Ratio	Lower	Upper
43	100		
58	24.1	24.6	73.8#

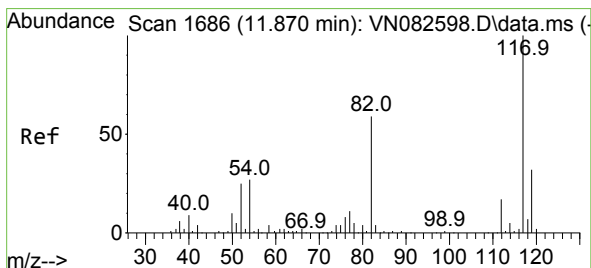
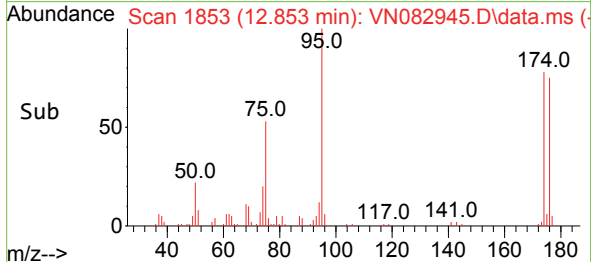
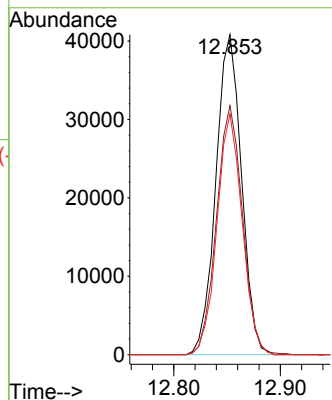
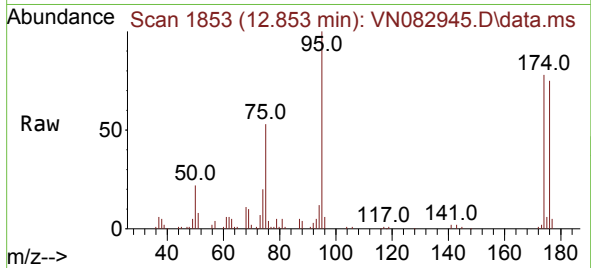




#62
4-Bromofluorobenzene
Concen: 43.722 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

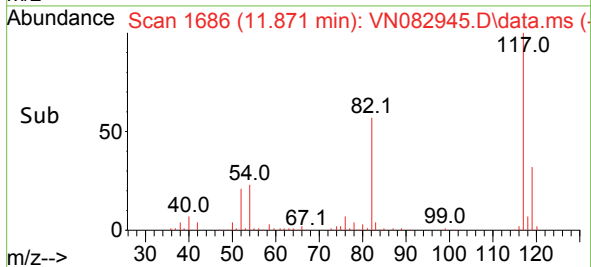
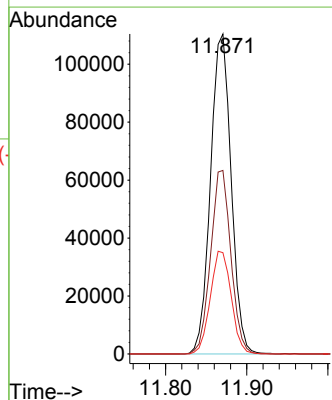
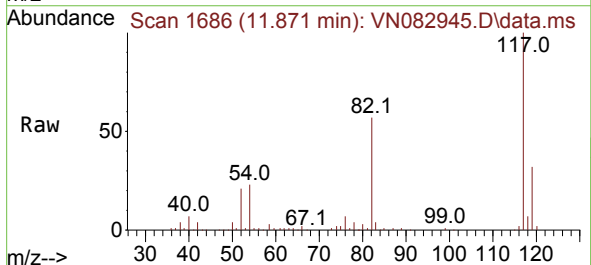
Instrument :
MSVOA_N
ClientSampleId :

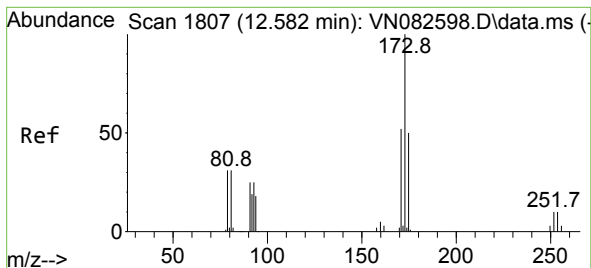
Tgt Ion: 95 Resp: 68242
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 73.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN082945.D
Acq: 16 Jul 2024 19:15

Tgt Ion: 117 Resp: 194825
Ion Ratio Lower Upper
117 100
82 57.4 47.5 71.3
119 31.7 25.6 38.4





#71

Bromoform

Concen: 0.594 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

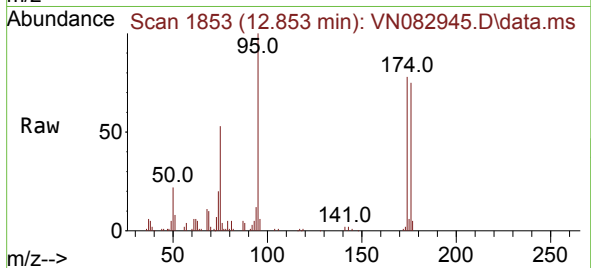
Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

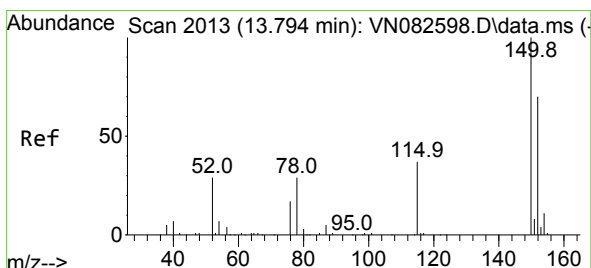
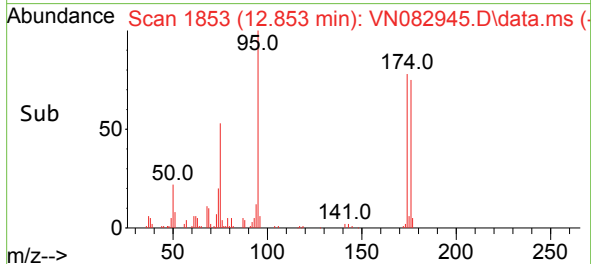
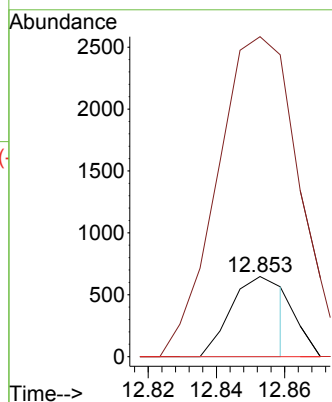
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	694
Ion Ratio	Lower	Upper	
173	100		
175	511.1	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

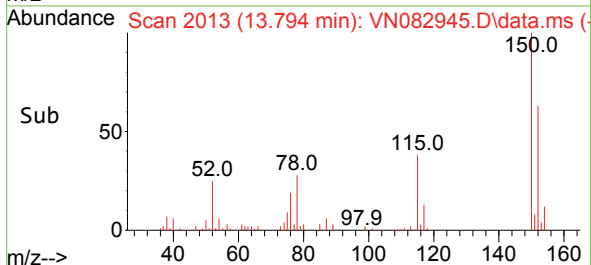
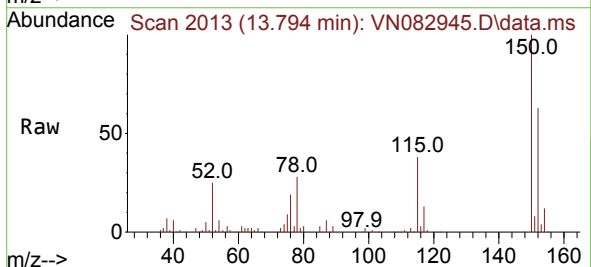
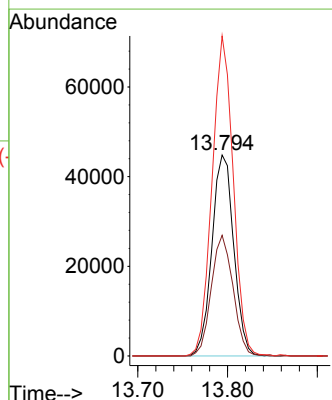
RT: 13.794 min Scan# 2013

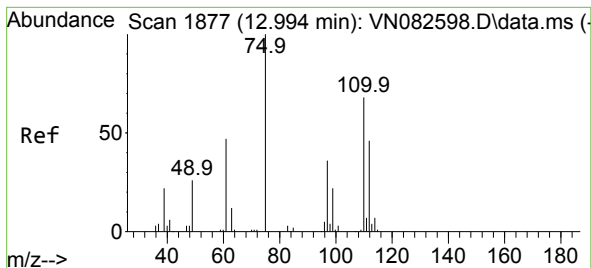
Delta R.T. -0.000 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Tgt Ion:	152	Resp:	75794
Ion Ratio	Lower	Upper	
152	100		
115	59.6	30.6	91.6
150	153.9	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 28.836 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Instrument :

MSVOA_N

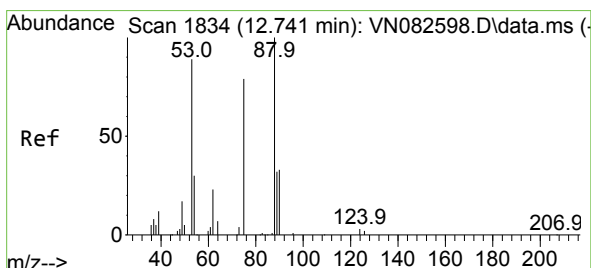
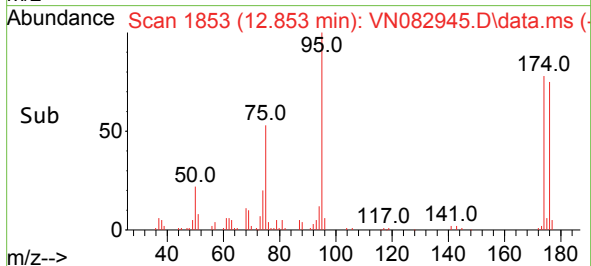
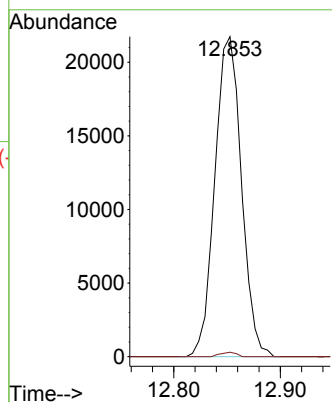
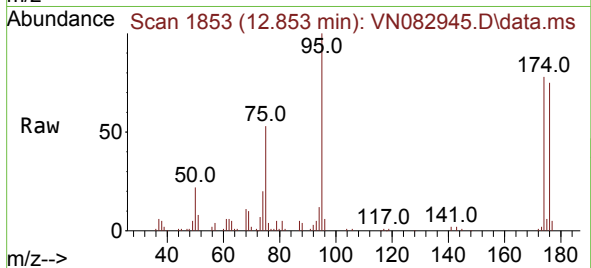
ClientSampleId :

Tgt Ion: 75 Resp: 37681

Ion Ratio Lower Upper

75 100

77 0.8 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.712 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082945.D

Acq: 16 Jul 2024 19:15

Tgt Ion: 75 Resp: 37681

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

