

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071724\
 Data File : VN082967.D
 Acq On : 17 Jul 2024 16:48
 Operator : JC\MD
 Sample : P3266-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-1

Quant Time: Jul 18 05:27:09 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

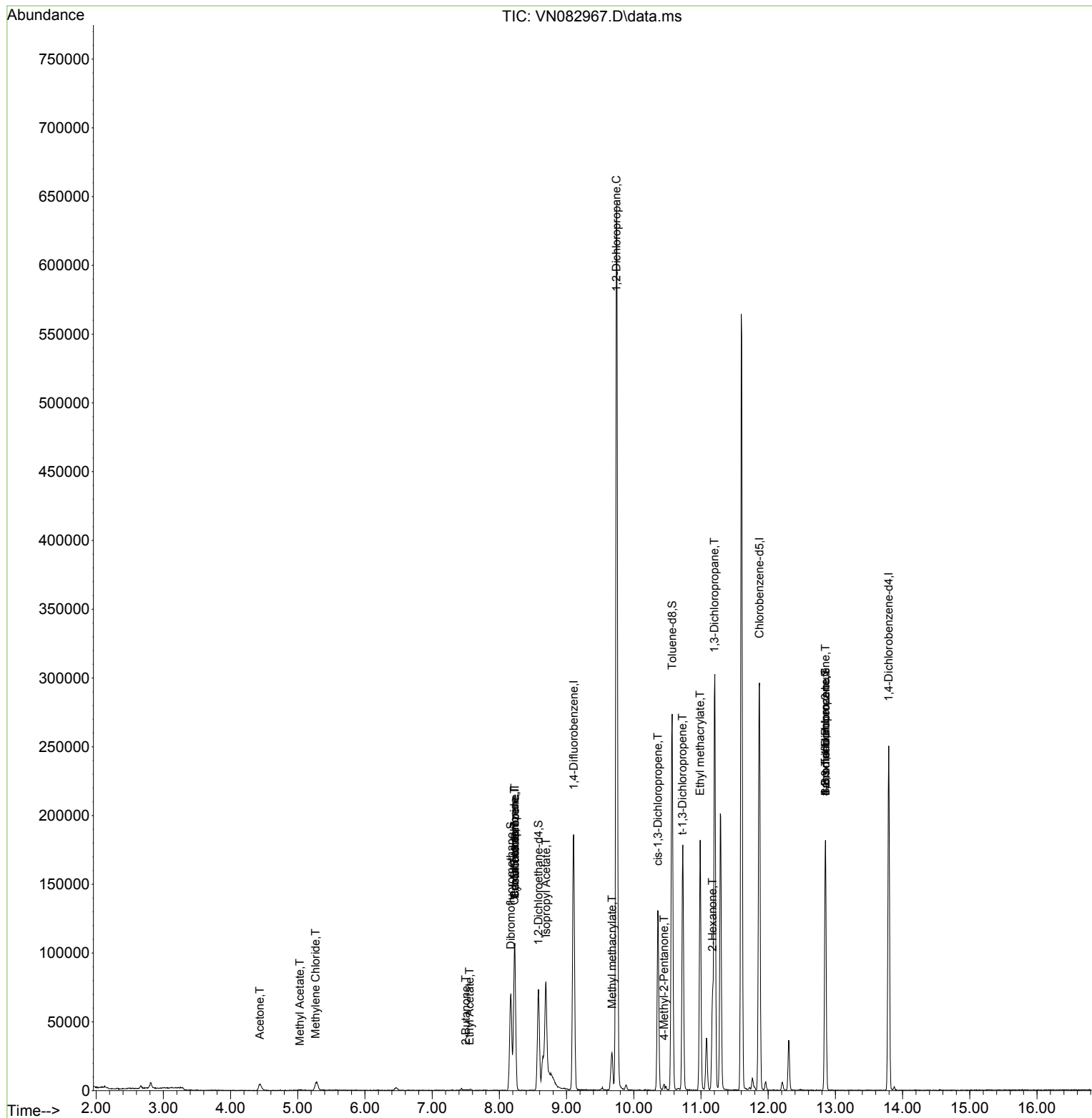
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	73271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	155383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	167311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	58831	57.278	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	114.560%	
35) Dibromofluoromethane	8.171	113	48404	48.547	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.100%	
50) Toluene-d8	10.571	98	185816	50.458	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.920%	
62) 4-Bromofluorobenzene	12.853	95	58277	44.055	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	88.120%	
Target Compounds						Qvalue
16) Acetone	4.436	43	9818	27.150	ug/l	92
18) Methyl Acetate	5.030	43	728	0.761	ug/l #	56
20) Methylene Chloride	5.265	84	5109	5.850	ug/l #	70
25) 2-Butanone	7.500	43	901	1.650	ug/l #	53
31) Cyclohexane	8.230	56	2153	1.603	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	6797	4.944	ug/l #	50
37) Ethyl Acetate	7.559	43	1599	1.143	ug/l #	72
38) Carbon Tetrachloride	8.224	117	8098	4.893	ug/l #	13
43) Isopropyl Acetate	8.694	43	109801	41.078	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	693	0.702	ug/l #	44
48) Methyl methacrylate	9.677	41	1995	1.818	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	3027	2.182	ug/l	90
53) t-1,3-Dichloropropene	10.724	75	443	0.271	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	21666	12.503	ug/l #	66
56) Ethyl methacrylate	10.988	69	1123	0.743	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3123	1.816	ug/l #	43
59) 2-Hexanone	11.171	43	51185	49.619	ug/l #	28
71) Bromoform	12.853	173	662	0.660	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	32677	29.149	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	32677	57.328	ug/l #	6

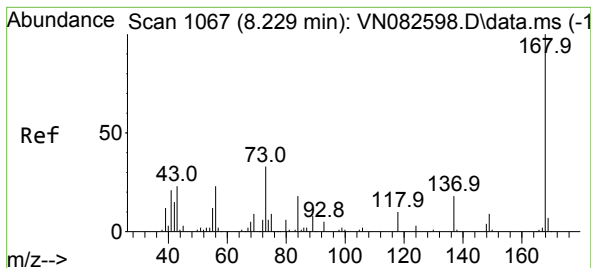
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

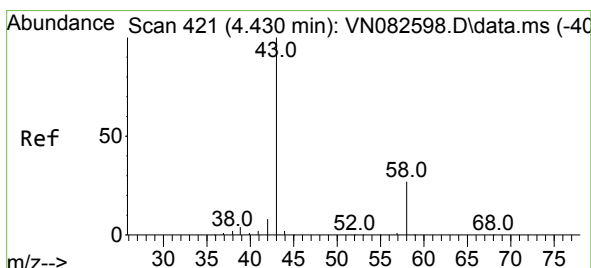
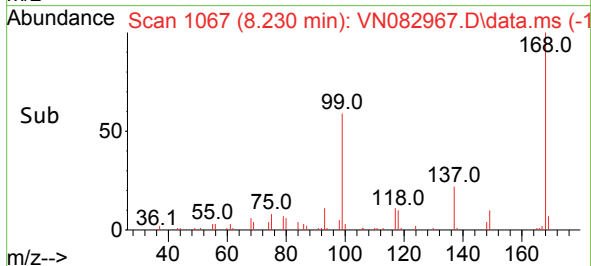
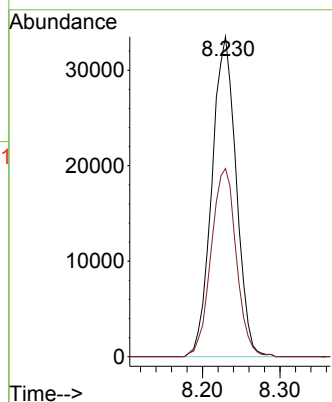
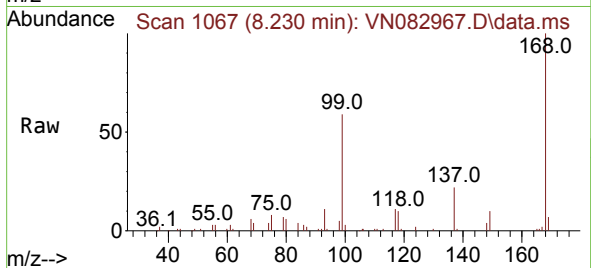
SP-1

Tgt Ion:168 Resp: 73271

Ion Ratio Lower Upper

168 100

99 58.8 48.2 72.4



#16

Acetone

Concen: 27.150 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN082967.D

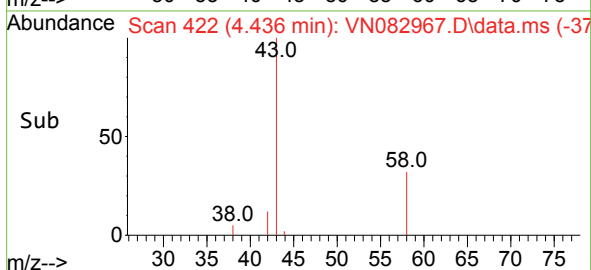
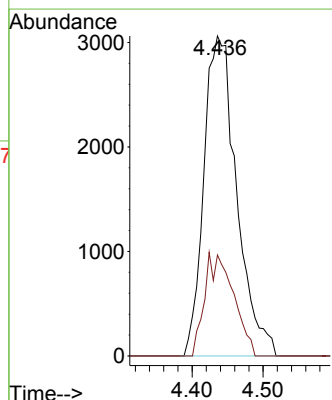
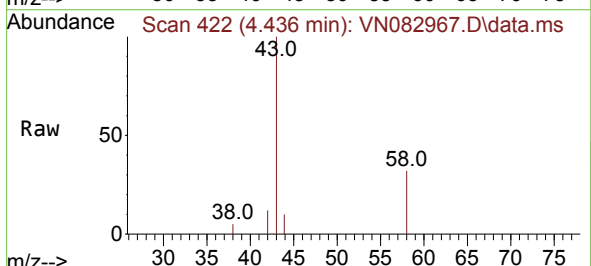
Acq: 17 Jul 2024 16:48

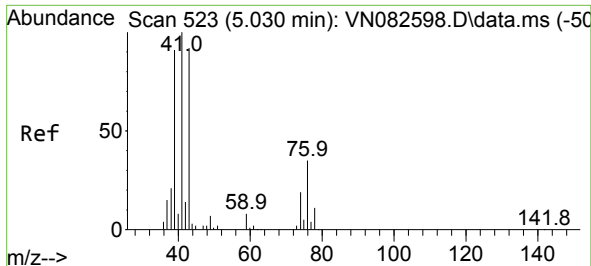
Tgt Ion: 43 Resp: 9818

Ion Ratio Lower Upper

43 100

58 31.5 21.8 32.6





#18

Methyl Acetate

Concen: 0.761 ug/l

RT: 5.030 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

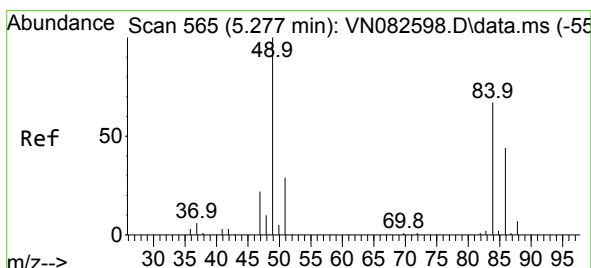
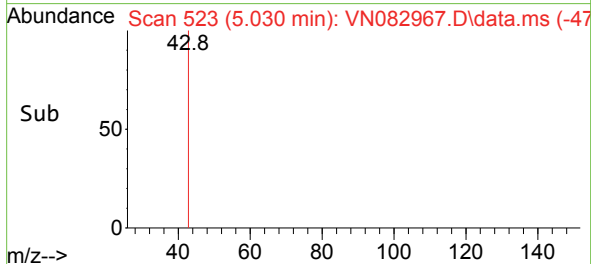
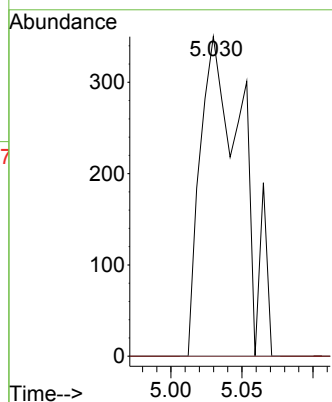
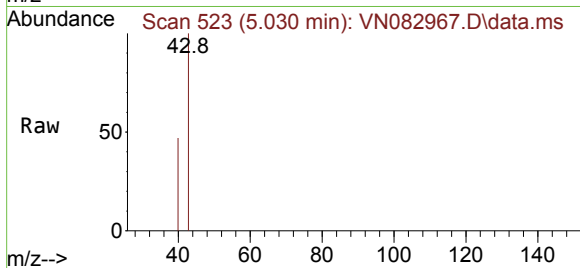
SP-1

Tgt Ion: 43 Resp: 728

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



#20

Methylene Chloride

Concen: 5.850 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.012 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Tgt Ion: 84 Resp: 5109

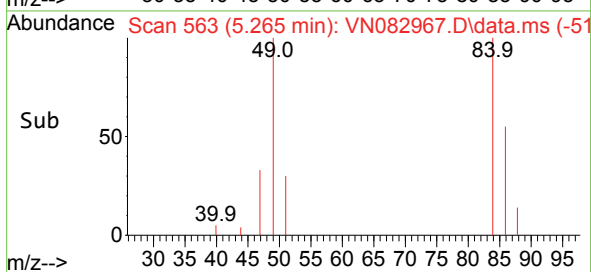
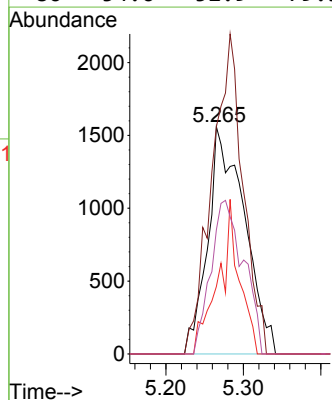
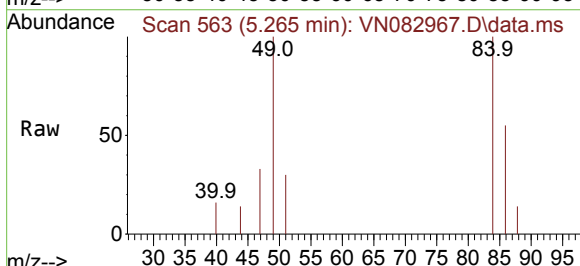
Ion Ratio Lower Upper

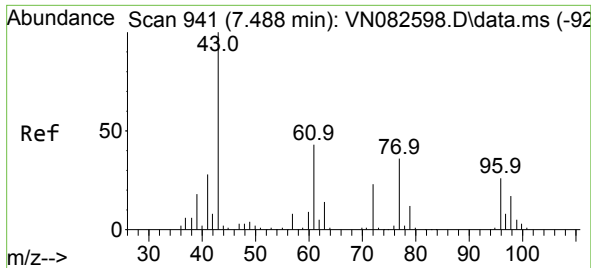
84 100

49 99.9 119.6 179.4#

51 29.6 34.8 52.2#

86 54.6 52.9 79.3

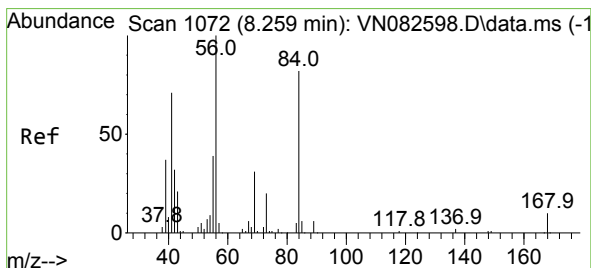
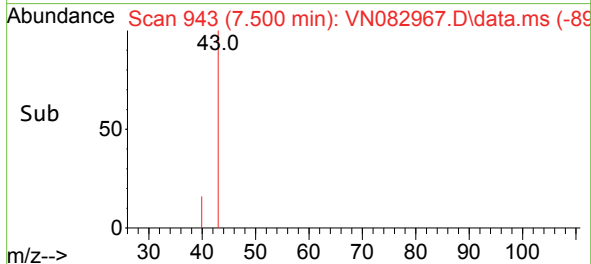
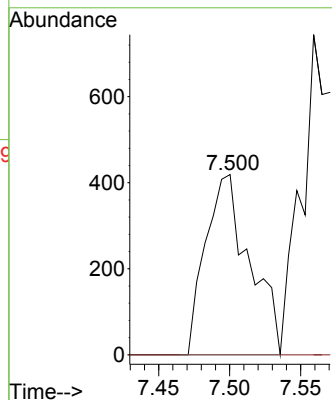
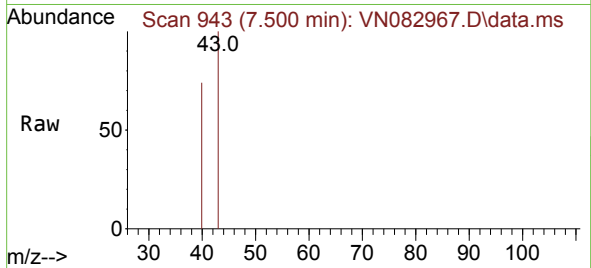




#25
2-Butanone
Concen: 1.650 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

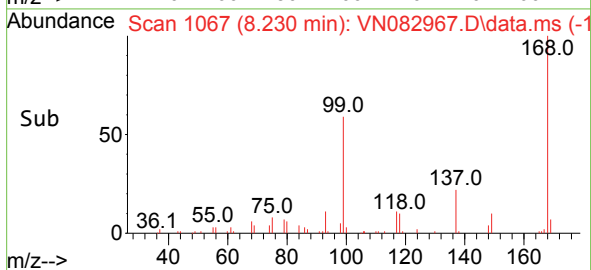
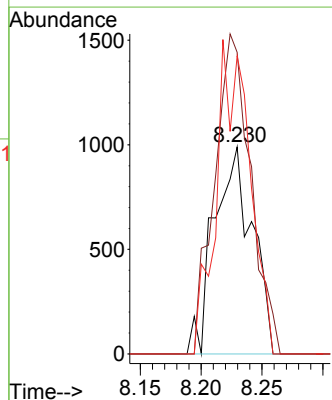
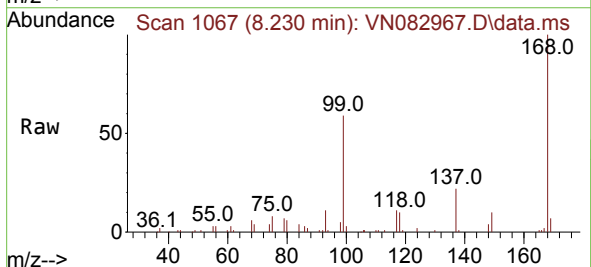
Instrument :
MSVOA_N
ClientSampleId :
SP-1

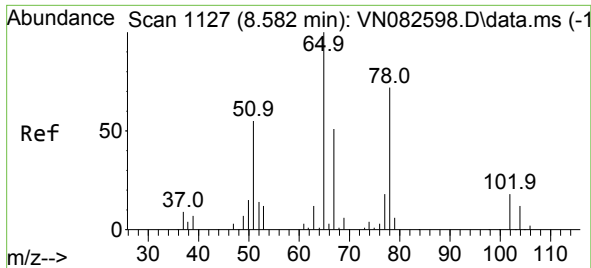
Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



#31
Cyclohexane
Concen: 1.603 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 56 Resp: 2153
Ion Ratio Lower Upper
56 100
69 145.7 24.5 36.7#
84 143.9 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 57.278 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

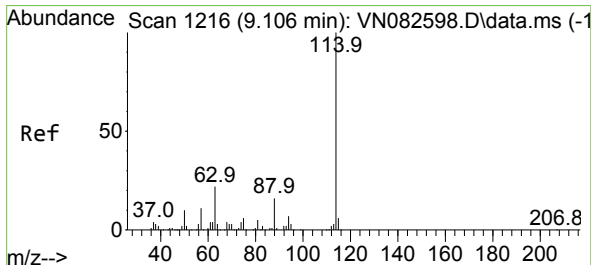
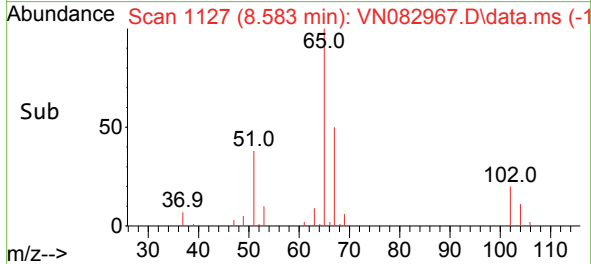
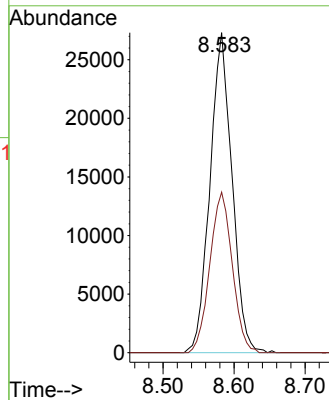
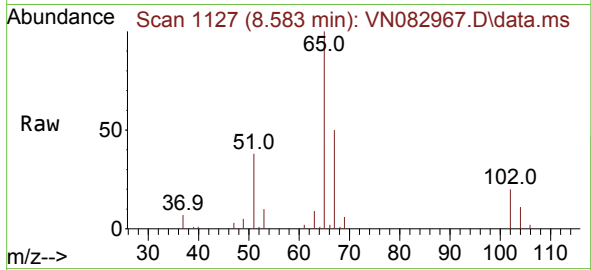
SP-1

Tgt Ion: 65 Resp: 58831

Ion Ratio Lower Upper

65 100

67 51.1 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: VN082967.D

Acq: 17 Jul 2024 16:48

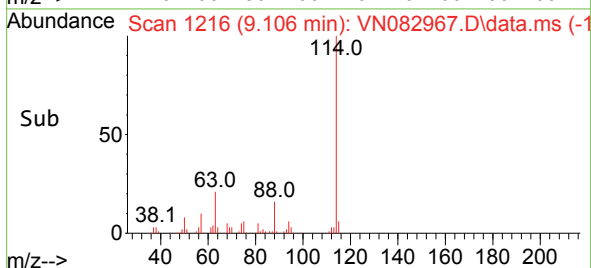
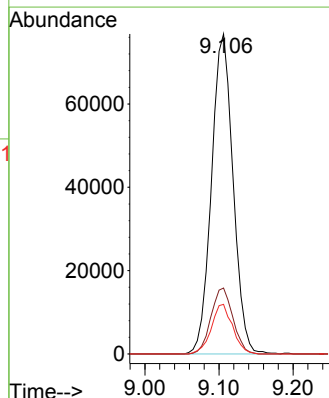
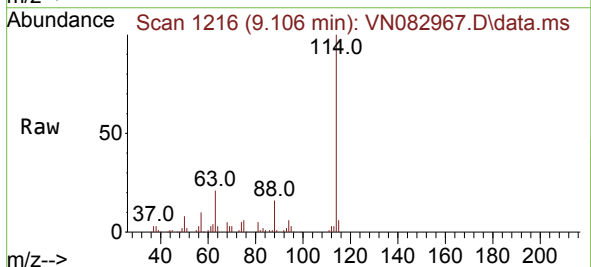
Tgt Ion: 114 Resp: 155383

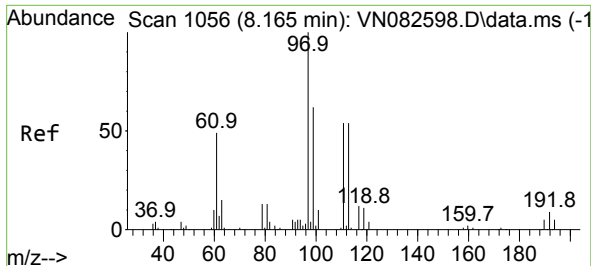
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.6

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.547 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

SP-1

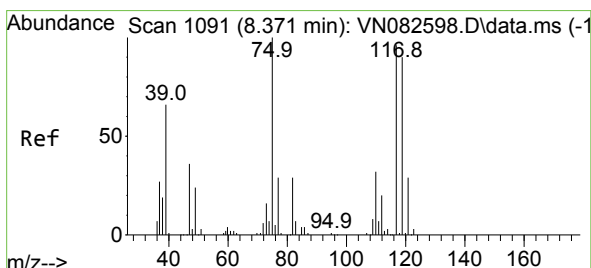
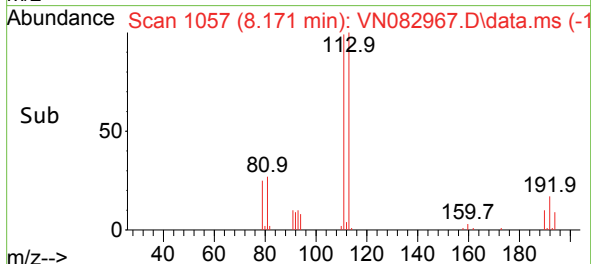
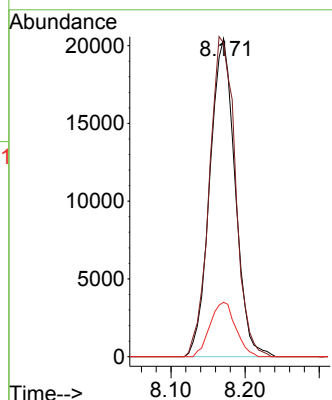
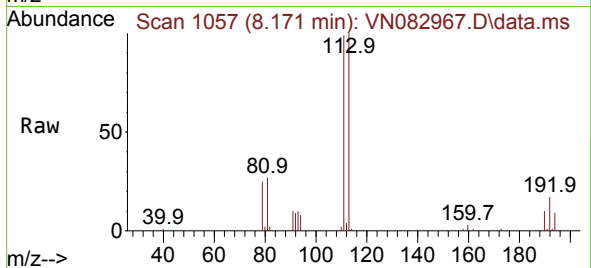
Tgt Ion:113 Resp: 48404

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 17.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.944 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

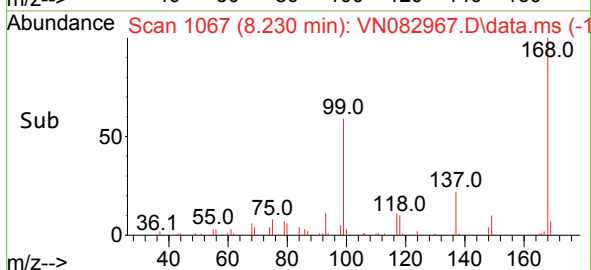
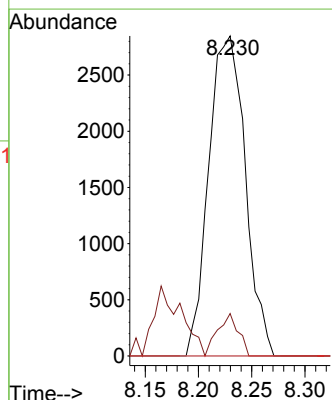
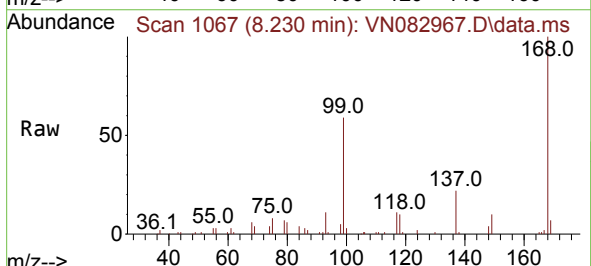
Tgt Ion: 75 Resp: 6797

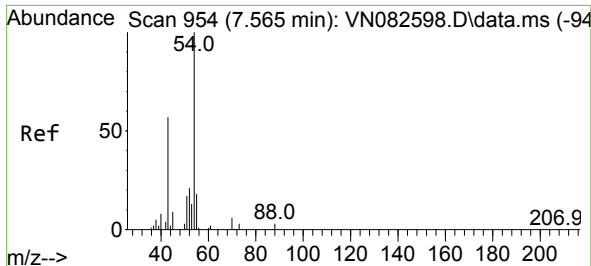
Ion Ratio Lower Upper

75 100

110 7.5 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.143 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN082967.D

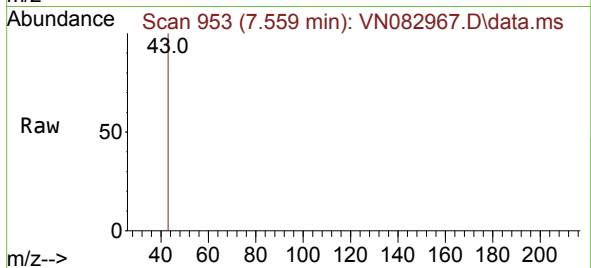
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Instrument :

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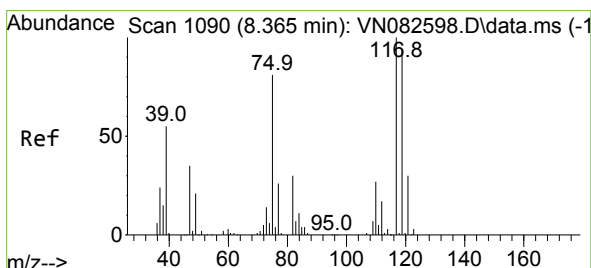
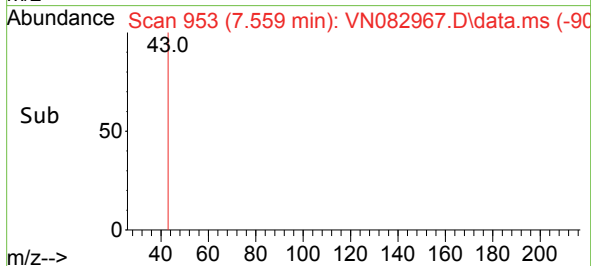
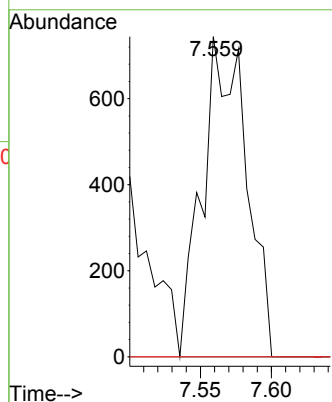
Tgt Ion: 43 Resp: 1599

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.893 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

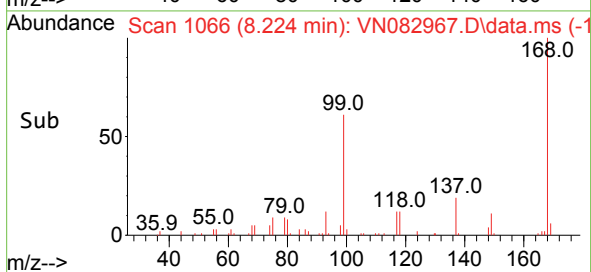
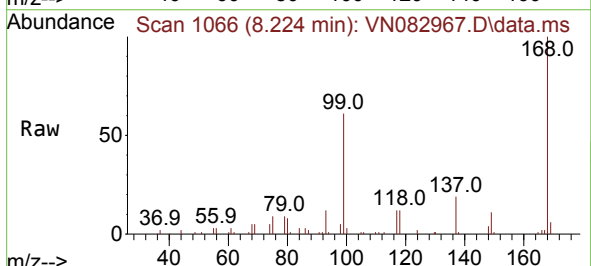
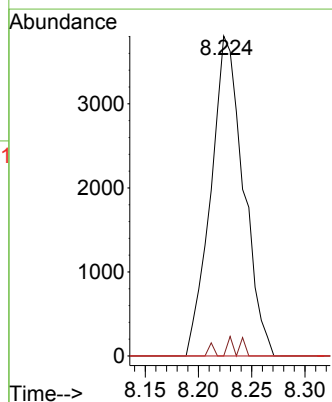
Tgt Ion: 117 Resp: 8098

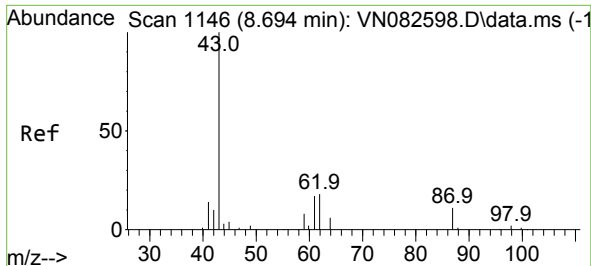
Ion Ratio Lower Upper

117 100

119 0.0 74.9 112.3#

121 0.0 24.3 36.5#

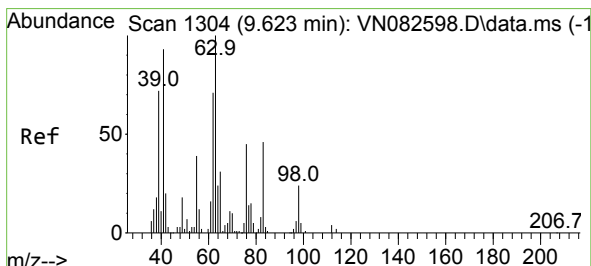
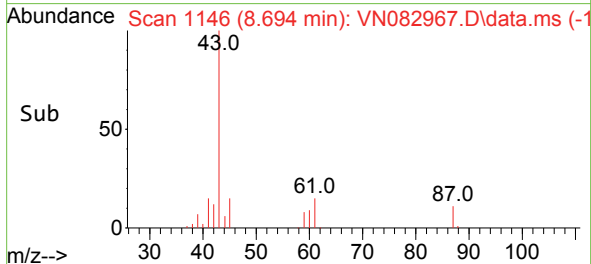
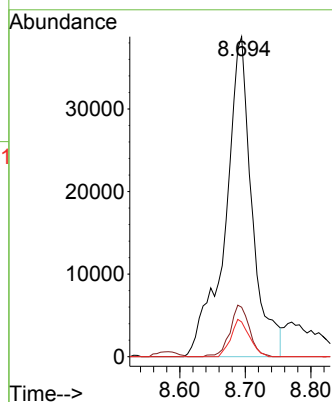
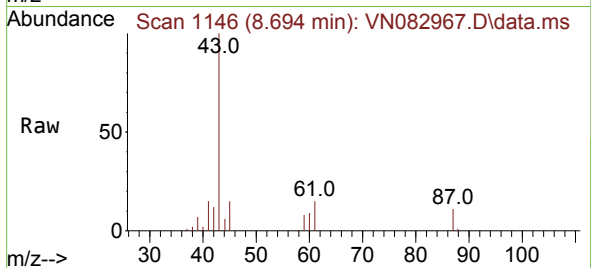




#43
Isopropyl Acetate
Concen: 41.078 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

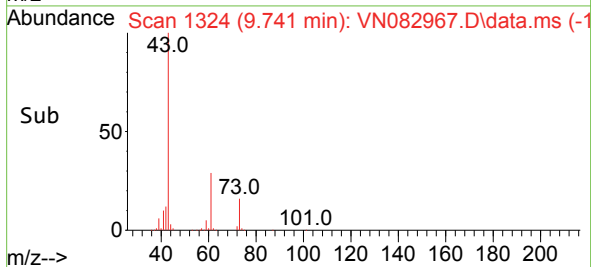
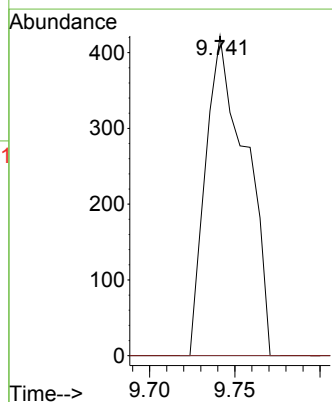
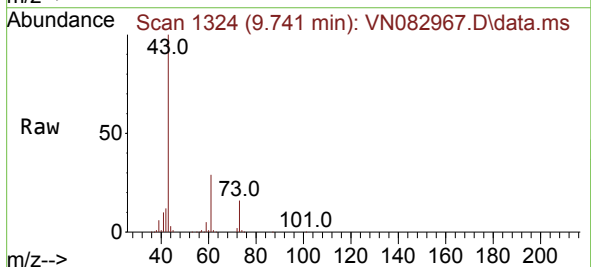
Instrument :
MSVOA_N
ClientSampleId :
SP-1

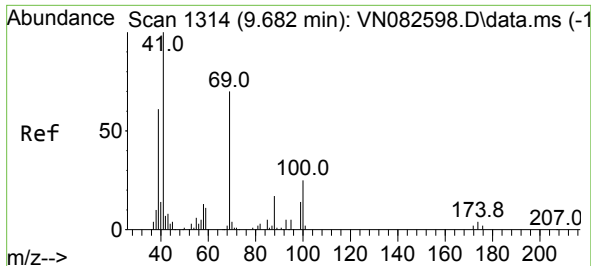
Tgt Ion: 43 Resp: 109801
Ion Ratio Lower Upper
43 100
61 11.7 17.8 26.6#
87 8.1 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.702 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 63 Resp: 693
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

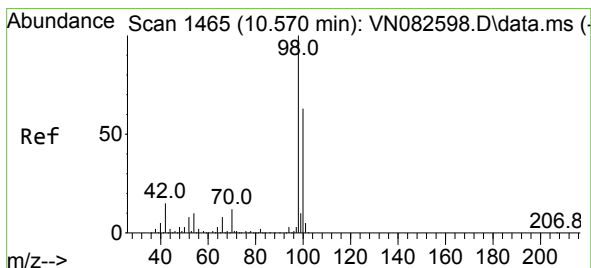
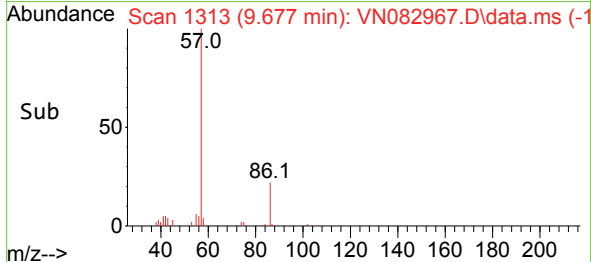
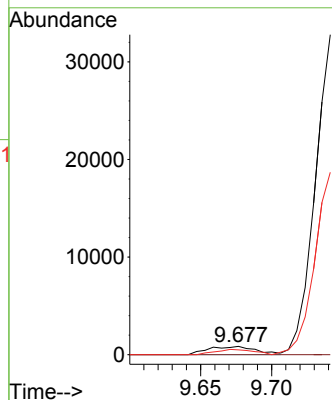
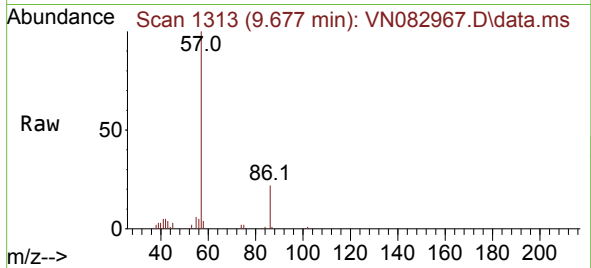




#48
Methyl methacrylate
Concen: 1.818 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

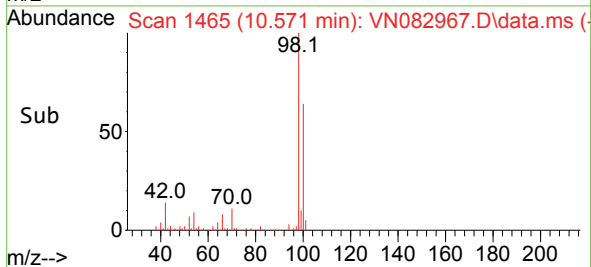
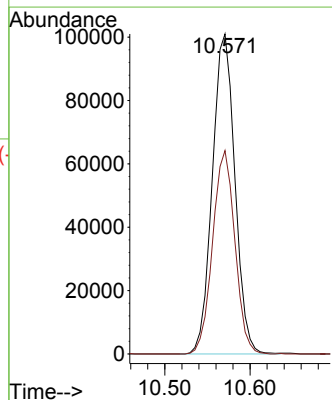
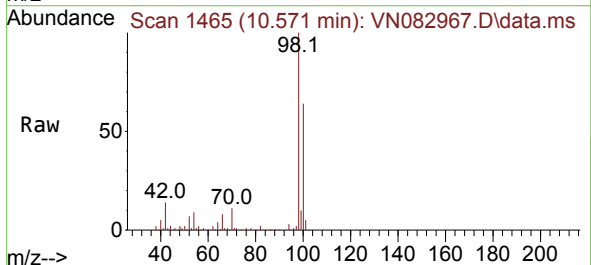
Instrument :
MSVOA_N
ClientSampleId :
SP-1

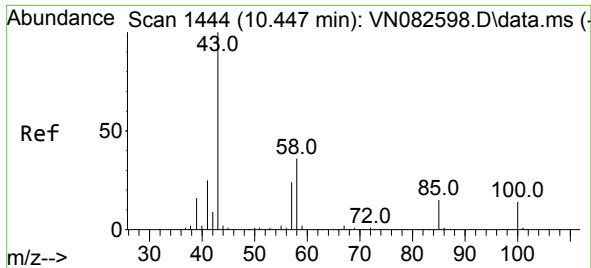
Tgt Ion: 41 Resp: 1995
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 0.0 50.3 75.5#



#50
Toluene-d8
Concen: 50.458 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 98 Resp: 185816
Ion Ratio Lower Upper
98 100
100 62.7 51.5 77.3

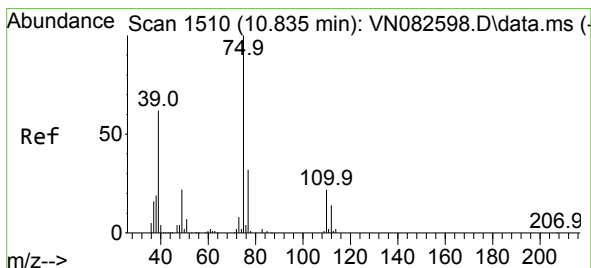
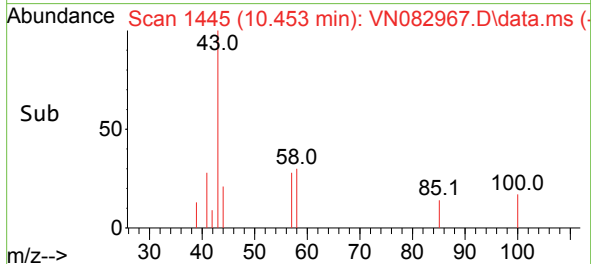
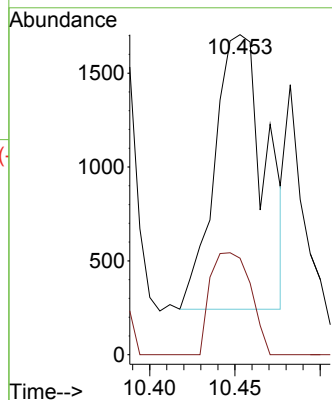
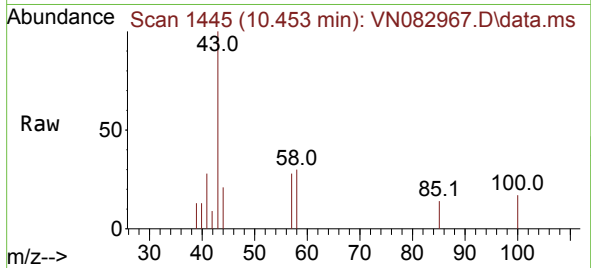




#51
4-Methyl-2-Pentanone
Concen: 2.182 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

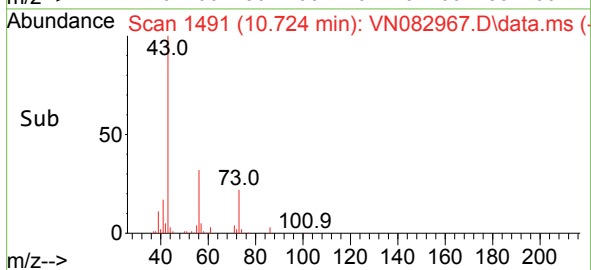
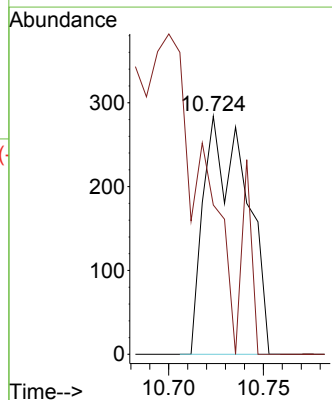
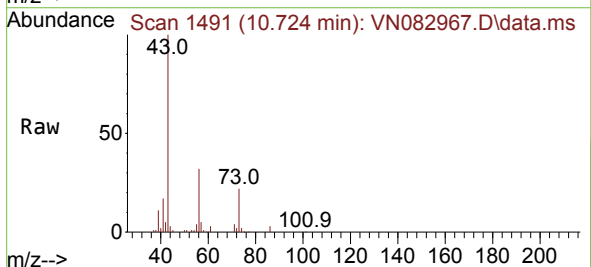
Instrument :
MSVOA_N
ClientSampleId :
SP-1

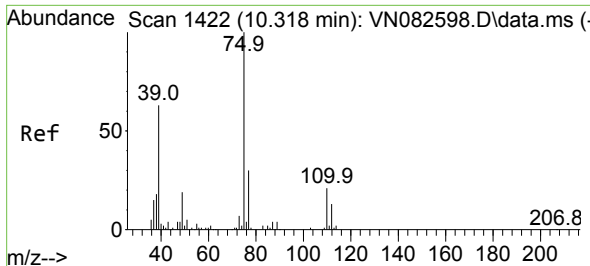
Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
58 29.7 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.271 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 75 Resp: 443
Ion Ratio Lower Upper
75 100
77 62.7 25.7 38.5#

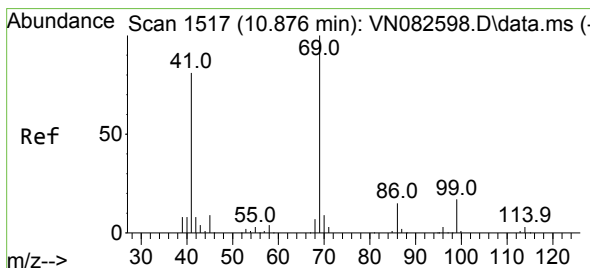
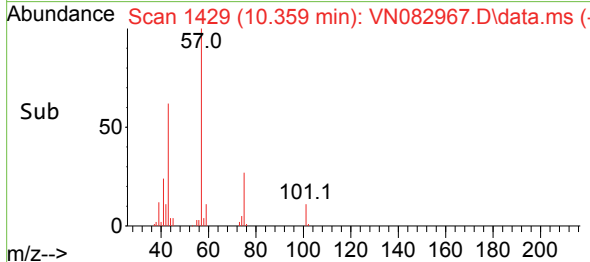
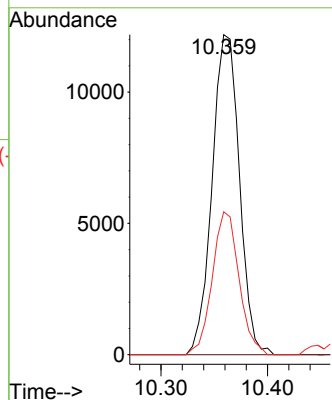
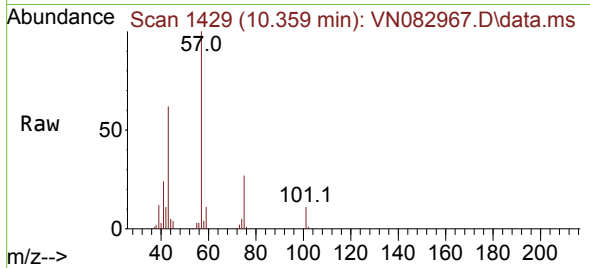




#54
cis-1,3-Dichloropropene
Concen: 12.503 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

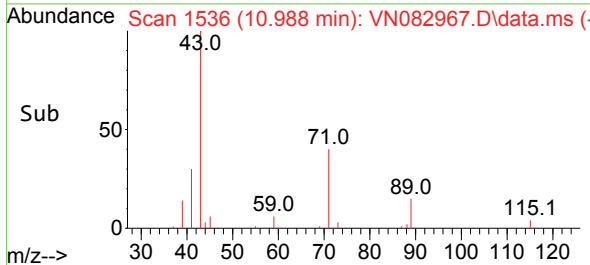
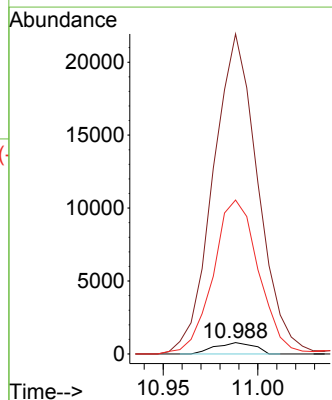
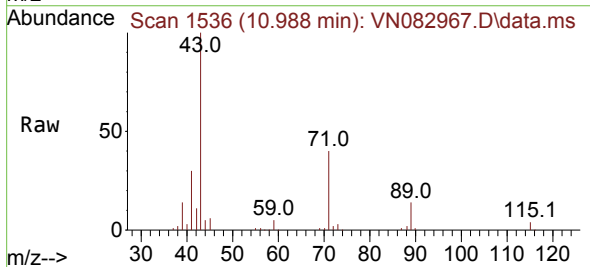
Instrument :
MSVOA_N
ClientSampleId :
SP-1

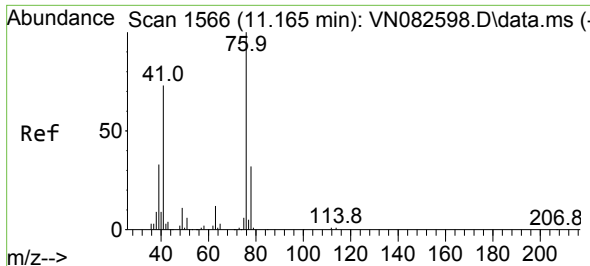
Tgt Ion: 75 Resp: 21666
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 44.7 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.743 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 69 Resp: 1123
Ion Ratio Lower Upper
69 100
41 3233.1 63.4 95.2#
39 1576.4 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.816 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

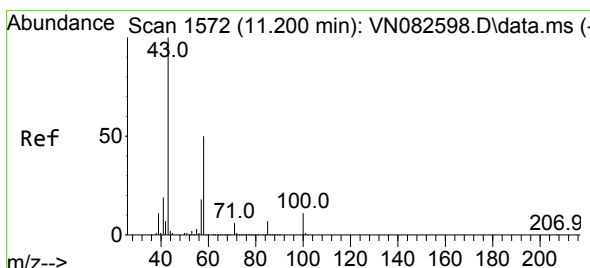
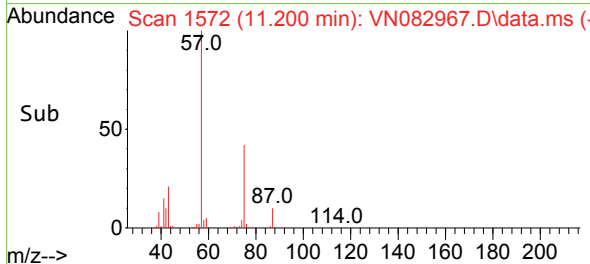
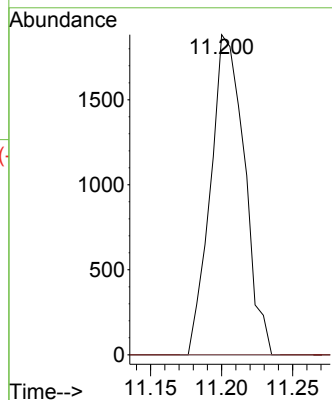
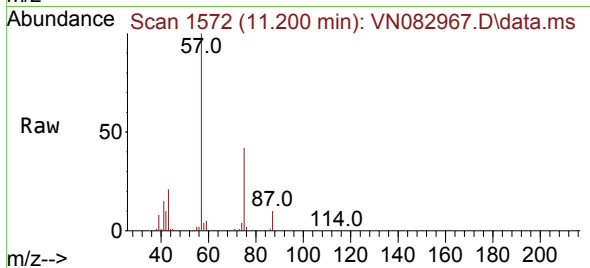
SP-1

Tgt Ion: 76 Resp: 3123

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 49.619 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN082967.D

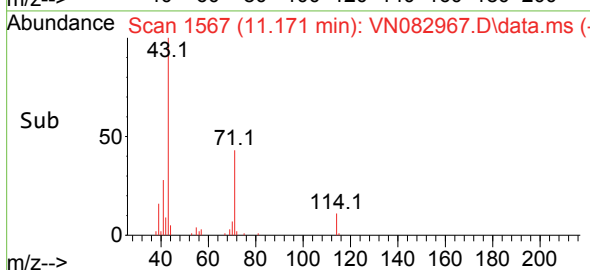
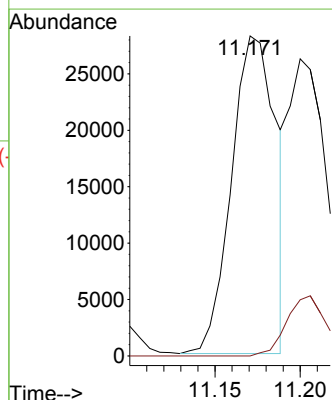
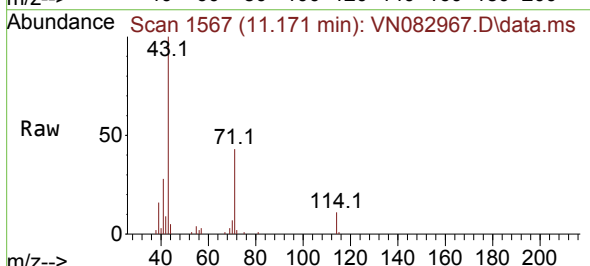
Acq: 17 Jul 2024 16:48

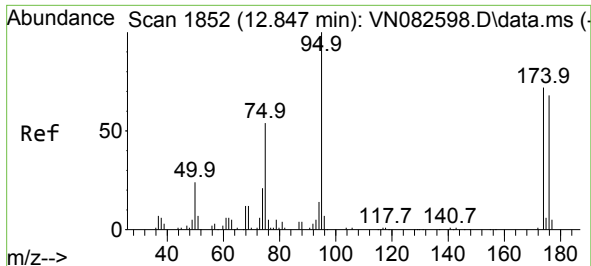
Tgt Ion: 43 Resp: 51185

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

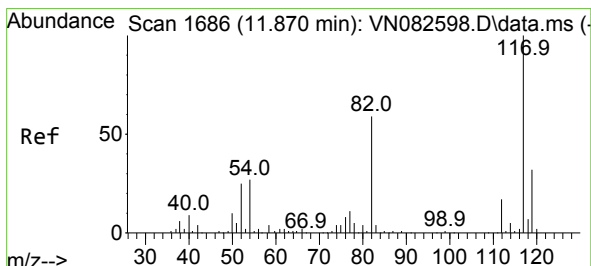
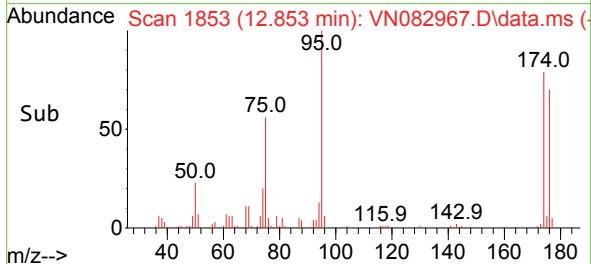
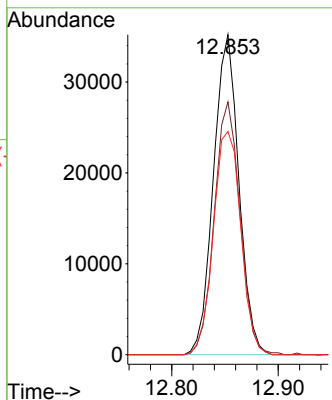
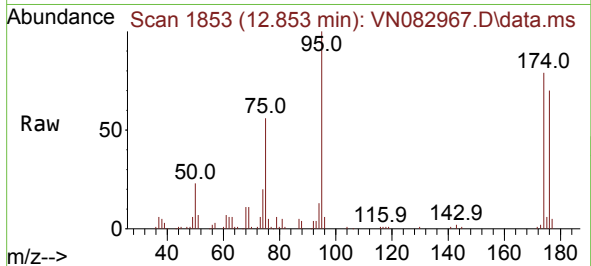




#62
4-Bromofluorobenzene
Concen: 44.055 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

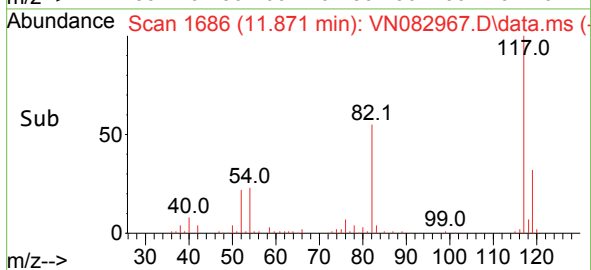
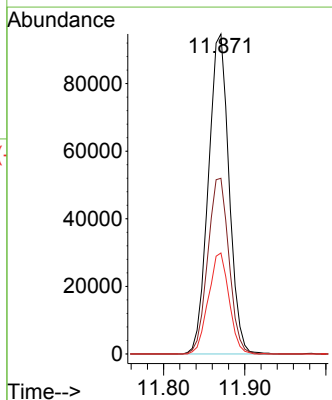
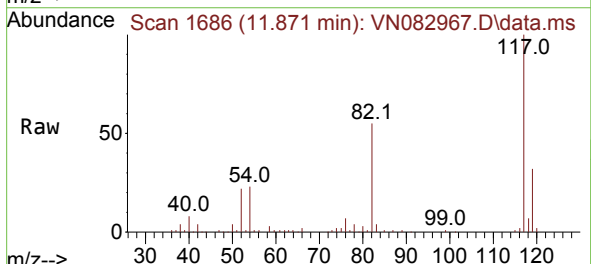
Instrument :
MSVOA_N
ClientSampleId :
SP-1

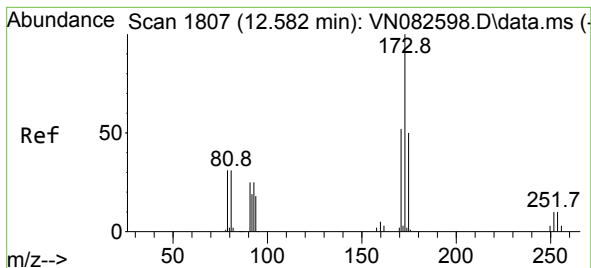
Tgt Ion: 95 Resp: 58277
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.2
176 75.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 117 Resp: 167311
Ion Ratio Lower Upper
117 100
82 54.9 47.5 71.3
119 31.5 25.6 38.4





#71

Bromoform

Concen: 0.660 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN082967.D

Acq: 17 Jul 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

SP-1

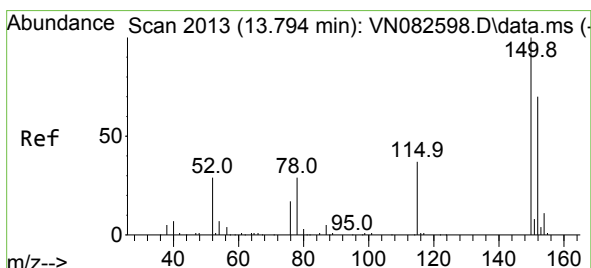
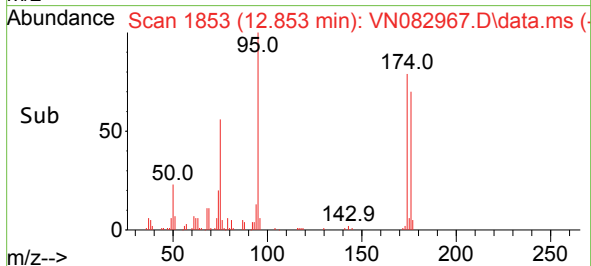
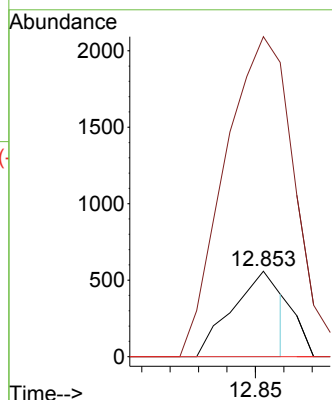
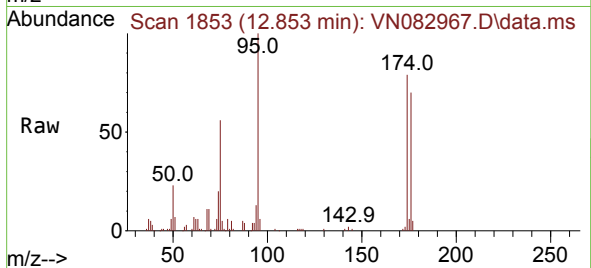
Tgt Ion:173 Resp: 662

Ion Ratio Lower Upper

173 100

175 453.3 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: VN082967.D

Acq: 17 Jul 2024 16:48

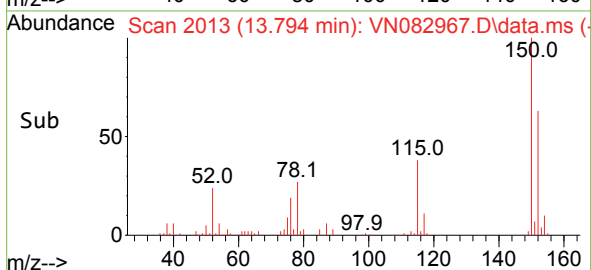
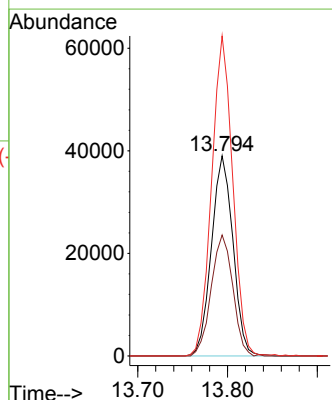
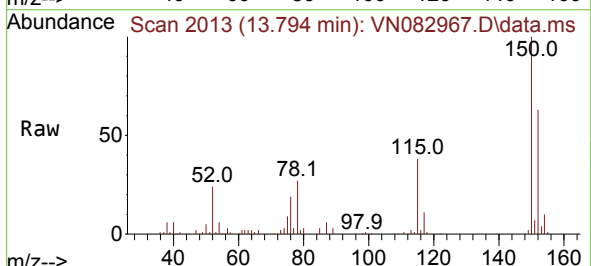
Tgt Ion:152 Resp: 65022

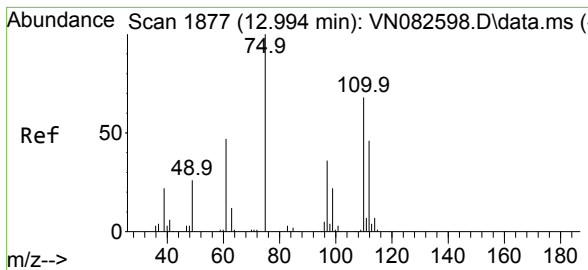
Ion Ratio Lower Upper

152 100

115 60.6 30.6 91.6

150 156.5 0.0 348.6

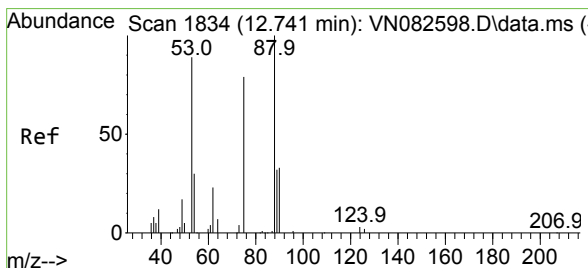
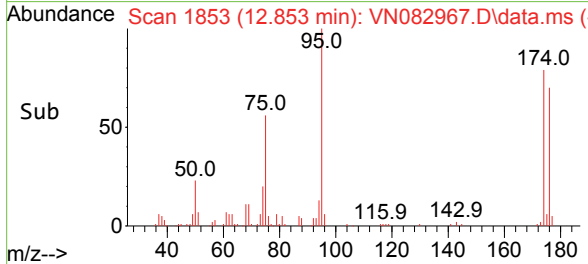
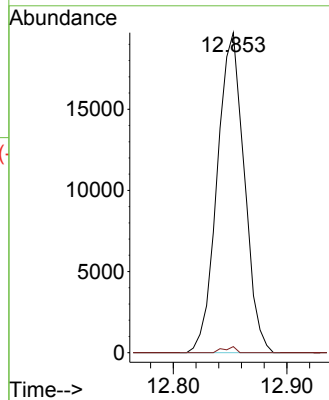
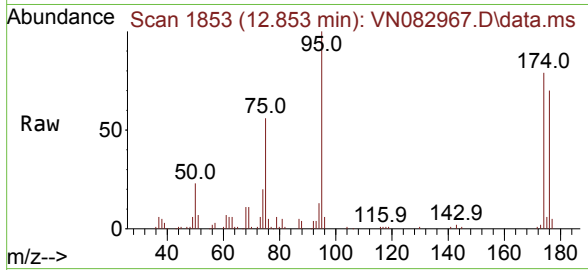




#76
1,2,3-Trichloropropane
Concen: 29.149 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :
SP-1

Tgt Ion: 75 Resp: 32677
Ion Ratio Lower Upper
75 100
77 0.9 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.328 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082967.D
Acq: 17 Jul 2024 16:48

Tgt Ion: 75 Resp: 32677
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

