

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082771.D
 Acq On : 01 Jul 2024 17:29
 Operator : JC\MD
 Sample : PB161815ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:11:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

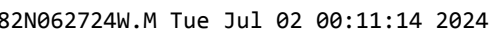
Internal Standards						
1) Pentafluorobenzene	8.229	168	119243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	220231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	223347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104070	50.000	ug/l	0.00

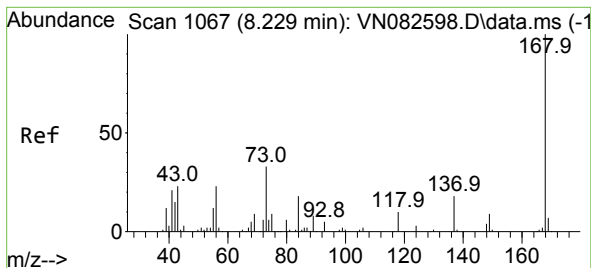
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	89300	48.561	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.120%
35) Dibromofluoromethane	8.171	113	73829	50.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.840%
50) Toluene-d8	10.570	98	282139	52.030	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.060%
62) 4-Bromofluorobenzene	12.847	95	106209	57.033	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	114.060%

Target Compounds					Qvalue	
16) Acetone	4.436	43	21340	30.629	ug/l	95
18) Methyl Acetate	5.036	43	789	0.426	ug/l #	72
20) Methylene Chloride	5.283	84	13257	7.520	ug/l #	80
25) 2-Butanone	7.494	43	3037	2.853	ug/l #	90
29) Tetrahydrofuran	7.847	42	369	0.538	ug/l #	38
31) Cyclohexane	8.218	56	2946	1.137	ug/l #	34
36) 1,1-Dichloropropene	8.229	75	10049	4.822	ug/l #	51
37) Ethyl Acetate	7.565	43	2908	1.291	ug/l #	83
38) Carbon Tetrachloride	8.229	117	13106	5.377	ug/l #	19
42) 1,2-Dichloroethane	8.682	62	568	0.231	ug/l #	78
43) Isopropyl Acetate	8.694	43	145231	37.114	ug/l #	88
45) 1,2-Dichloropropane	9.753	63	1113	0.672	ug/l #	44
48) Methyl methacrylate	9.671	41	3092	1.784	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	8654	3.756	ug/l #	79
52) Toluene	10.629	92	1124	0.280	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	777	0.333	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	38487	15.694	ug/l #	55
57) 1,3-Dichloropropane	11.206	76	4540	1.659	ug/l #	43
59) 2-Hexanone	11.170	43	85716	50.175	ug/l #	28
68) m/p-Xylenes	12.065	106	959	0.312	ug/l	82
74) N-amyl acetate	12.482	43	996	0.294	ug/l #	68
76) 1,2,3-Trichloropropane	12.847	75	60425	26.619	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60425	69.419	ug/l #	6

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

Quant Time: Jul 02 00:11:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.000 min

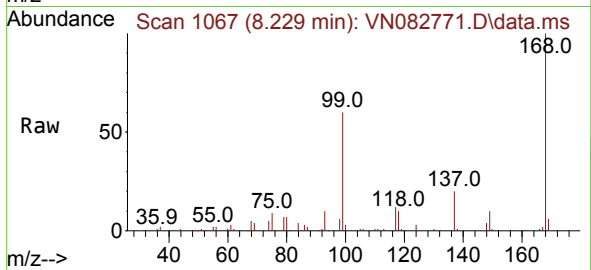
Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

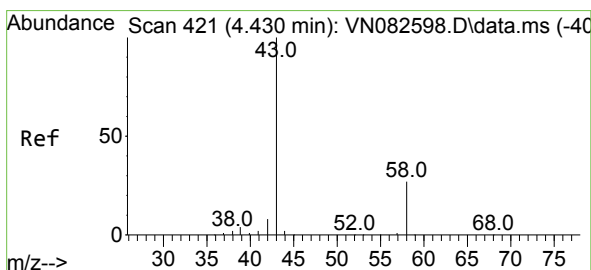
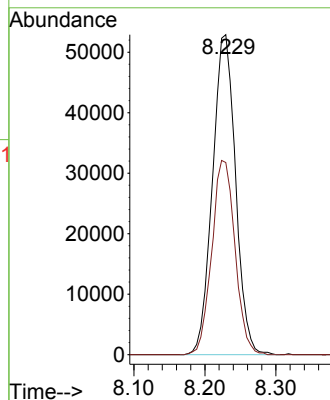
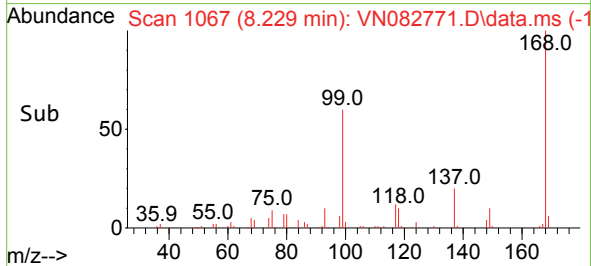


Tgt Ion:168 Resp: 119243

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



#16

Acetone

Concen: 30.629 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN082771.D

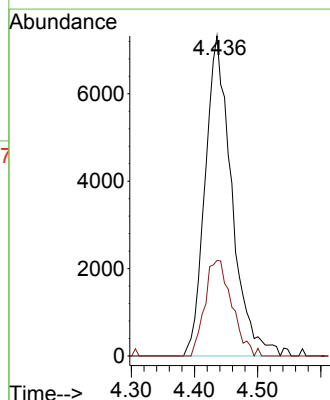
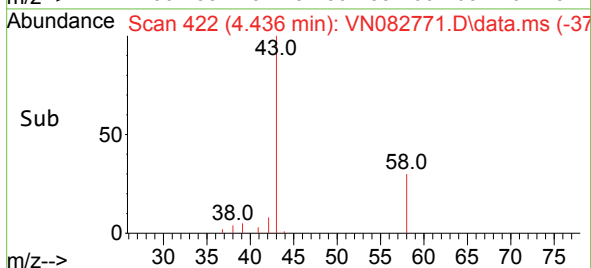
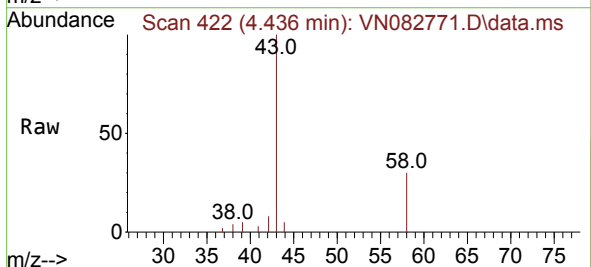
Acq: 01 Jul 2024 17:29

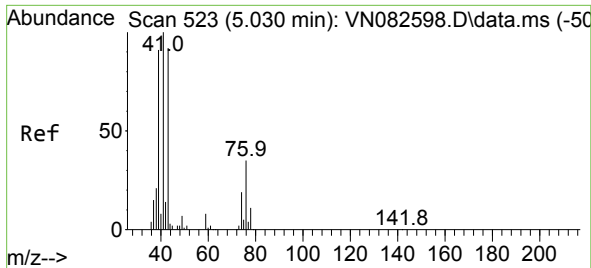
Tgt Ion: 43 Resp: 21340

Ion Ratio Lower Upper

43 100

58 29.9 21.8 32.6

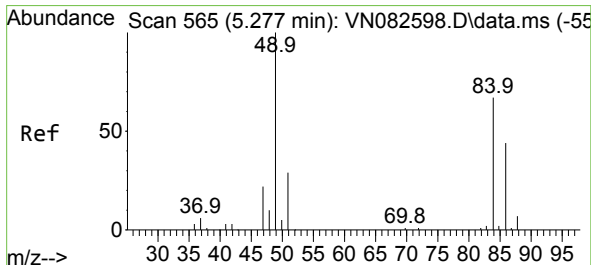
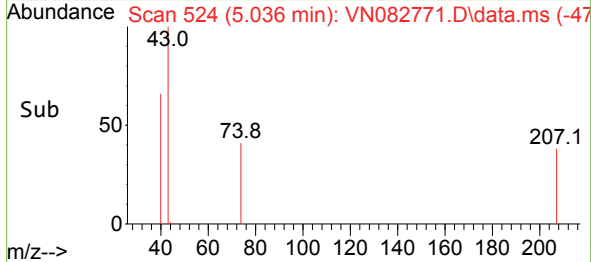
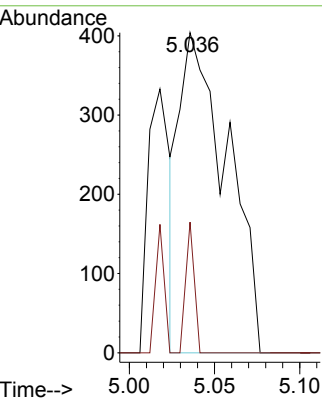
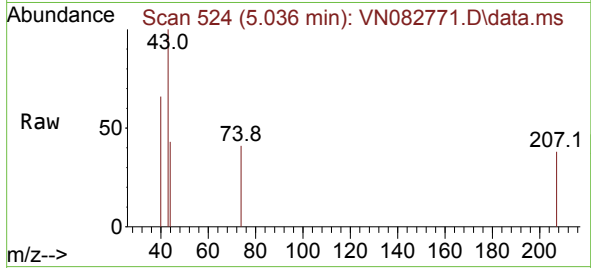




#18
Methyl Acetate
Concen: 0.426 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

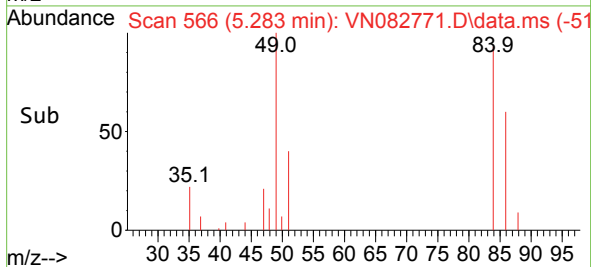
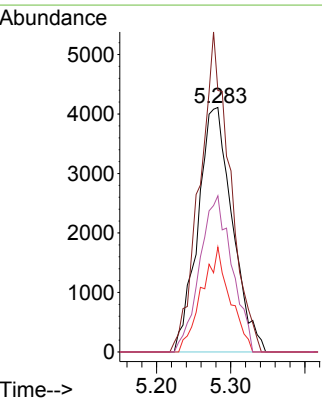
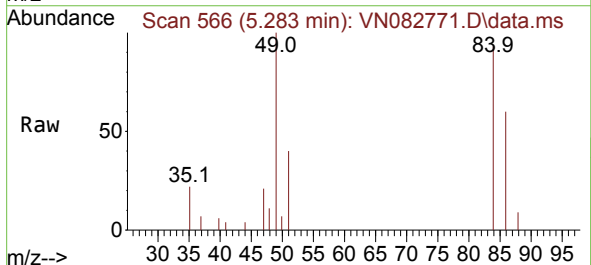
Instrument :
MSVOA_N
ClientSampleId :

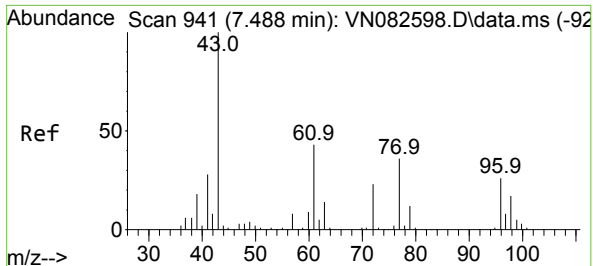
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
74 7.4 16.3 24.5#



#20
Methylene Chloride
Concen: 7.520 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 84 Resp: 13257
Ion Ratio Lower Upper
84 100
49 107.0 119.6 179.4#
51 42.9 34.8 52.2
86 63.9 52.9 79.3

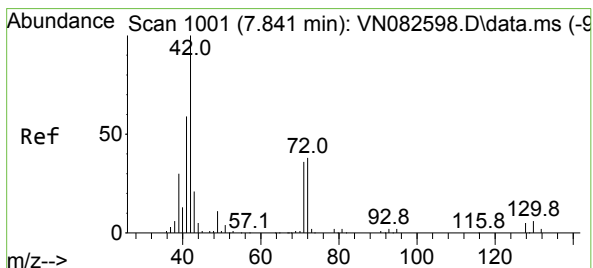
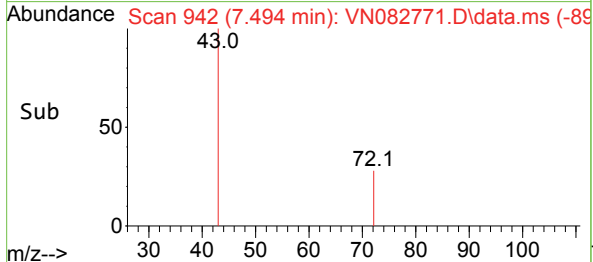
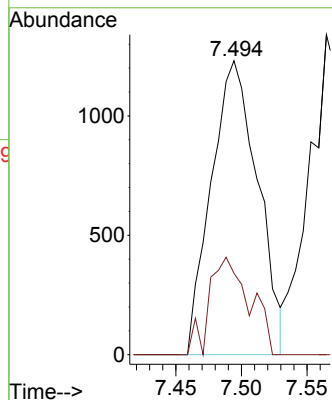
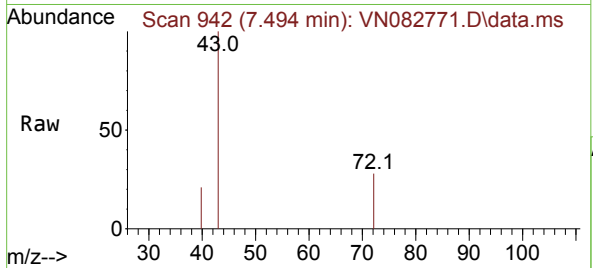




#25
2-Butanone
Concen: 2.853 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

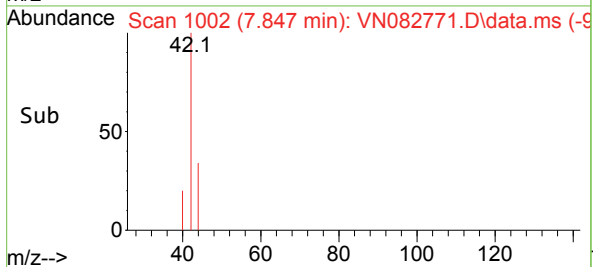
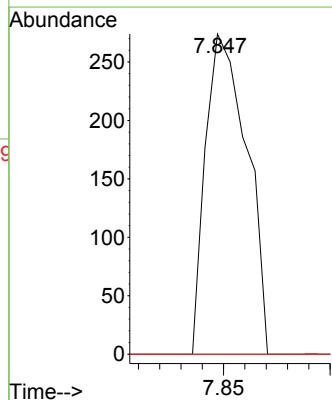
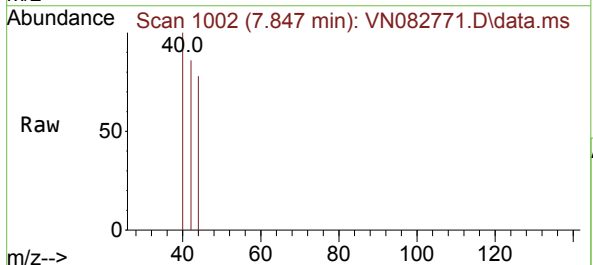
Instrument :
MSVOA_N
ClientSampleId :

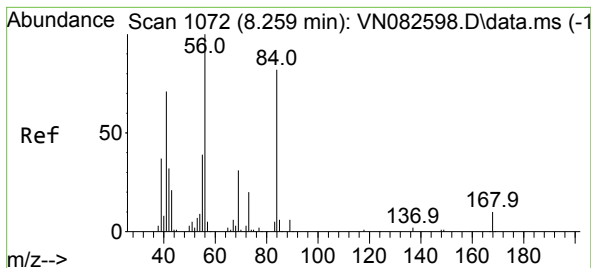
Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
72 27.7 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.538 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.137 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

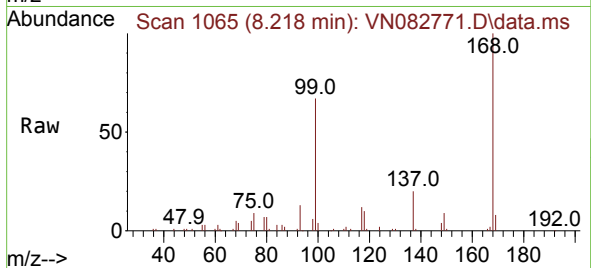
Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :



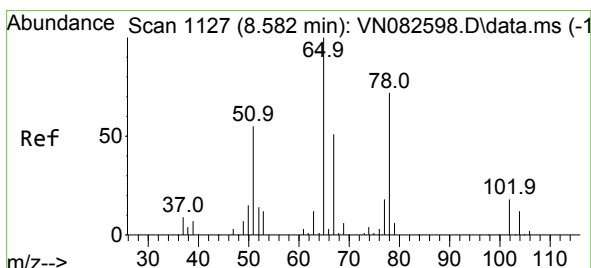
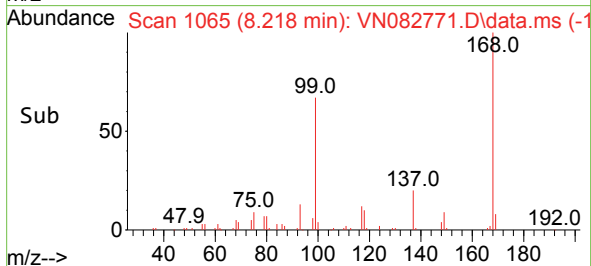
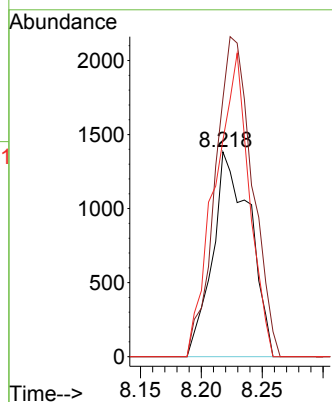
Tgt Ion: 56 Resp: 2946

Ion Ratio Lower Upper

56 100

69 126.0 24.5 36.7#

84 105.8 66.0 99.0#



#33

1,2-Dichloroethane-d4

Concen: 48.561 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082771.D

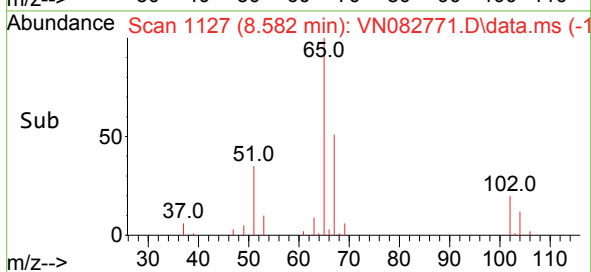
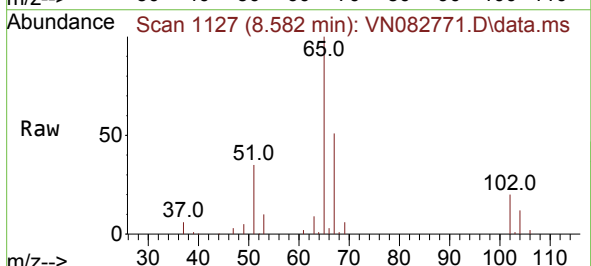
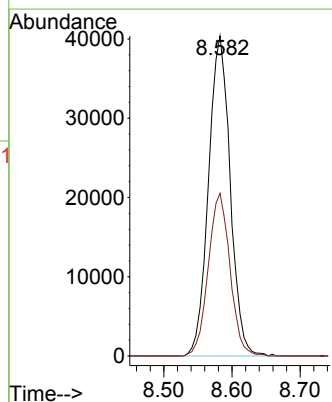
Acq: 01 Jul 2024 17:29

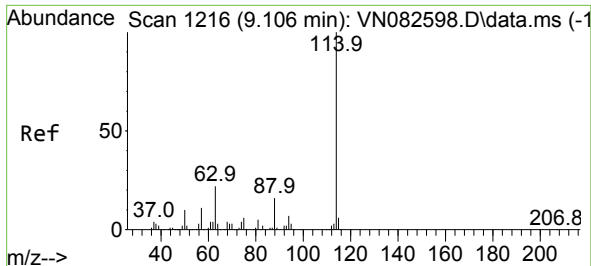
Tgt Ion: 65 Resp: 89300

Ion Ratio Lower Upper

65 100

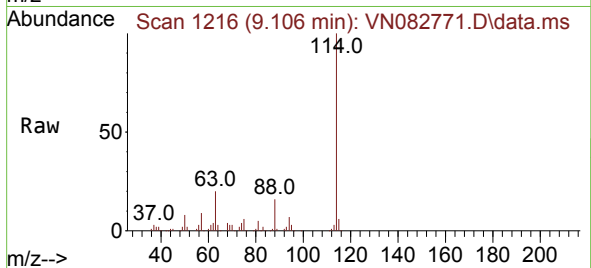
67 51.0 0.0 104.4



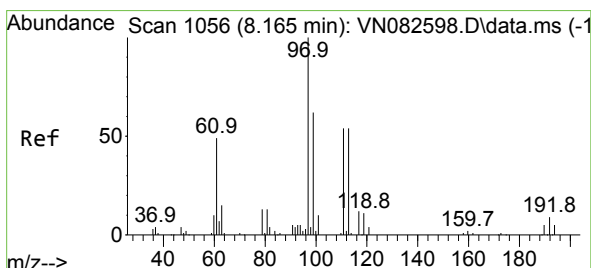
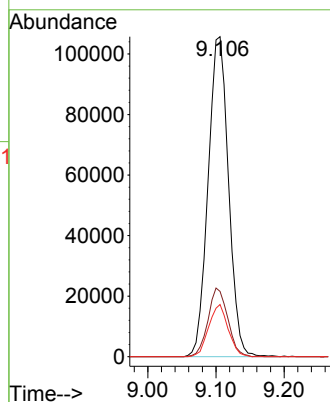
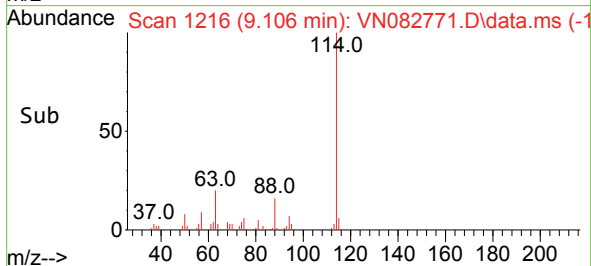


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :

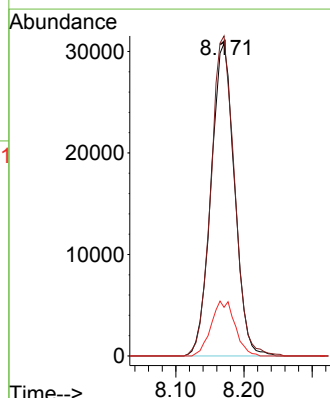
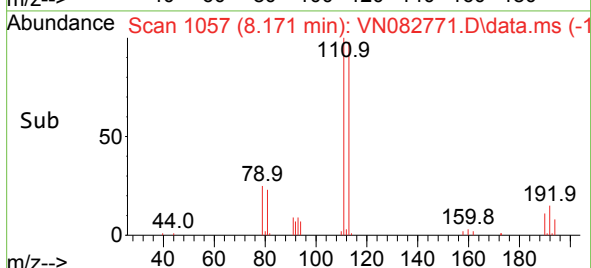
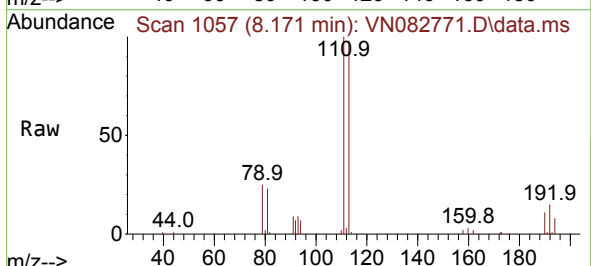


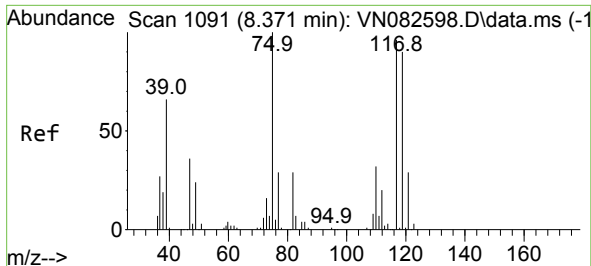
Tgt Ion:114 Resp: 220231
Ion Ratio Lower Upper
114 100
63 20.4 0.0 44.6
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.917 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion:113 Resp: 73829
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 17.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.822 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.142 min

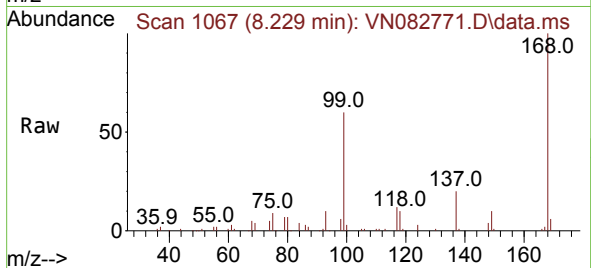
Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :



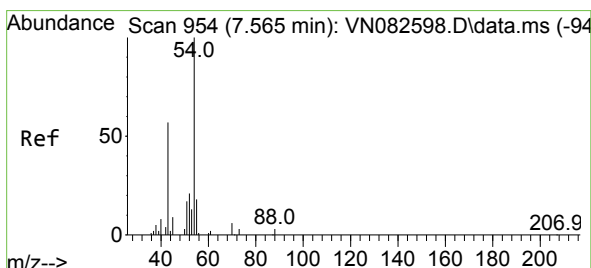
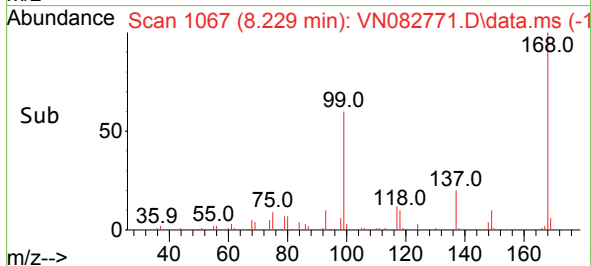
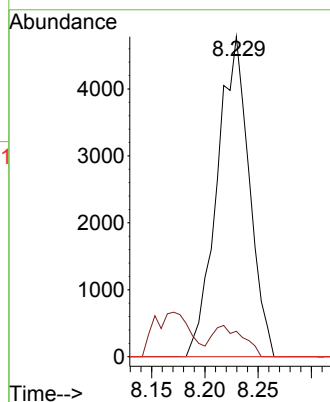
Tgt Ion: 75 Resp: 10049

Ion Ratio Lower Upper

75 100

110 9.2 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.291 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.000 min

Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

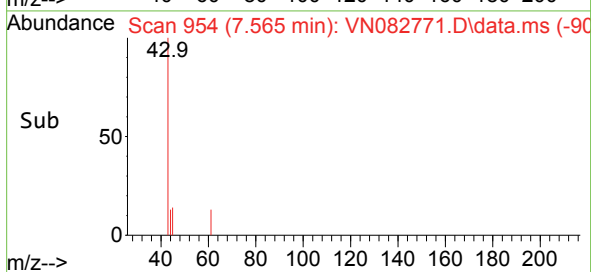
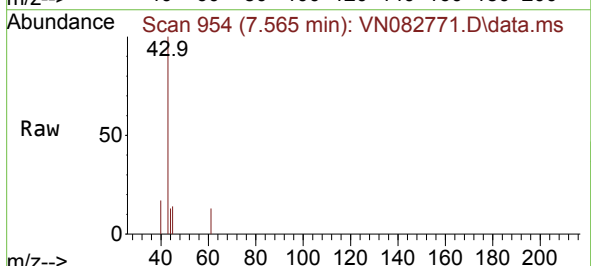
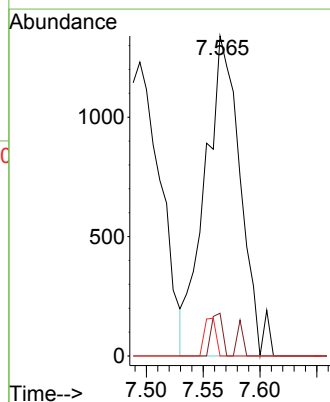
Tgt Ion: 43 Resp: 2908

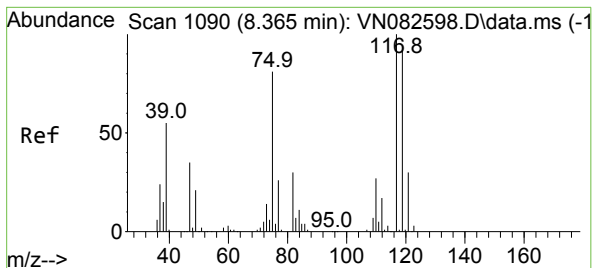
Ion Ratio Lower Upper

43 100

61 4.2 9.3 13.9#

70 3.8 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.377 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

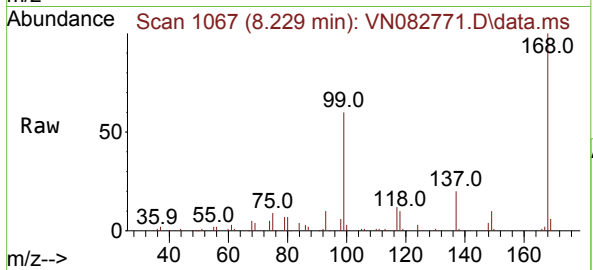
Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :



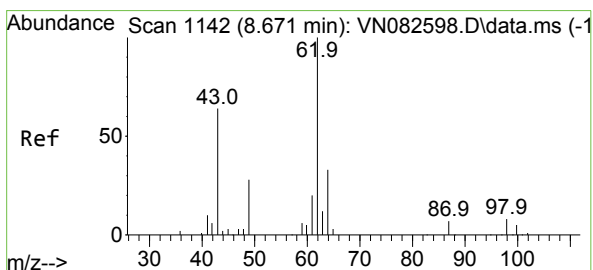
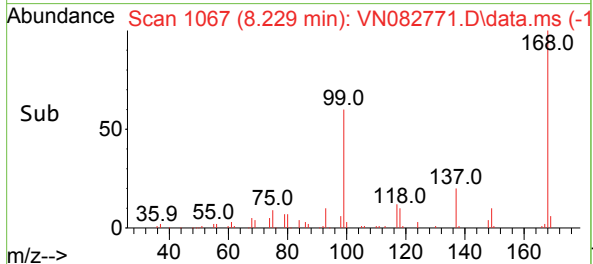
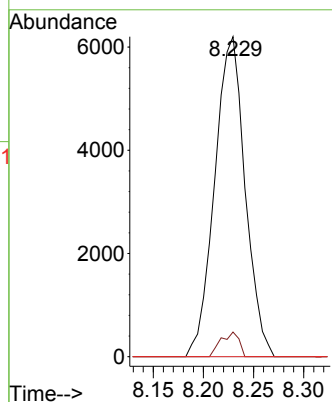
Tgt Ion:117 Resp: 13106

Ion Ratio Lower Upper

117 100

119 7.7 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.231 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN082771.D

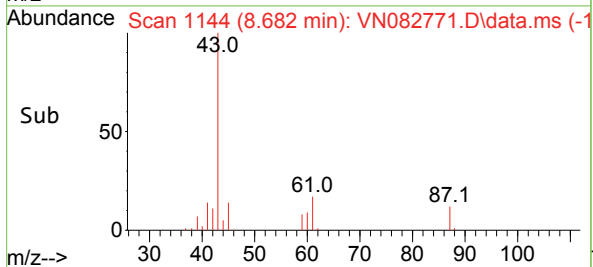
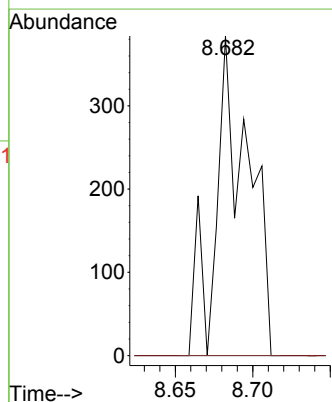
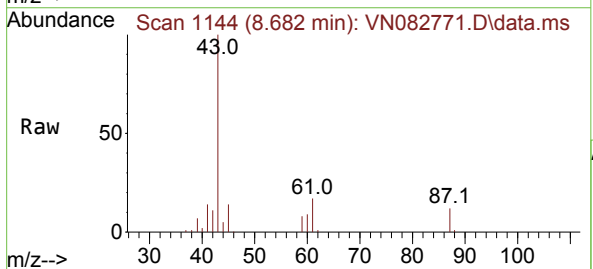
Acq: 01 Jul 2024 17:29

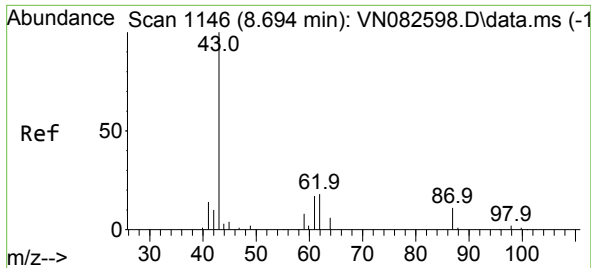
Tgt Ion: 62 Resp: 568

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

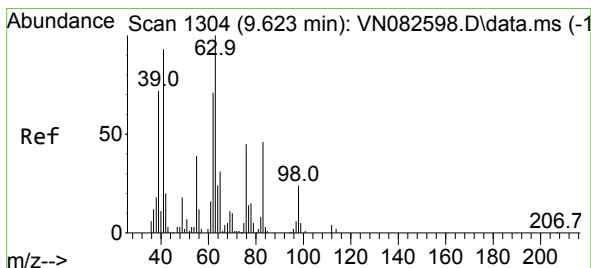
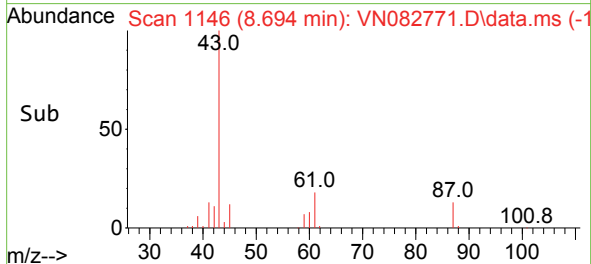
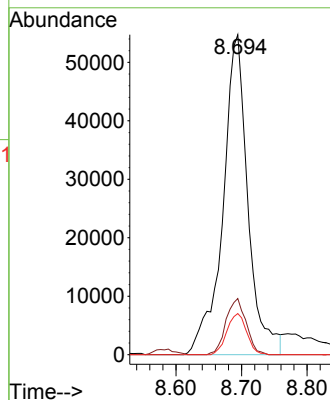
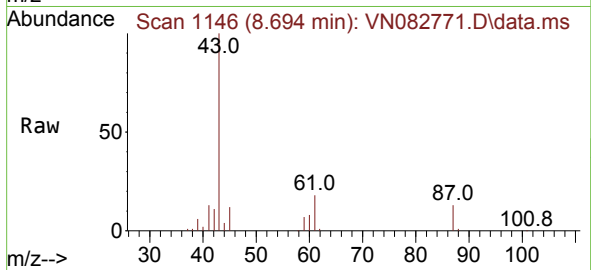




#43
Isopropyl Acetate
Concen: 37.114 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

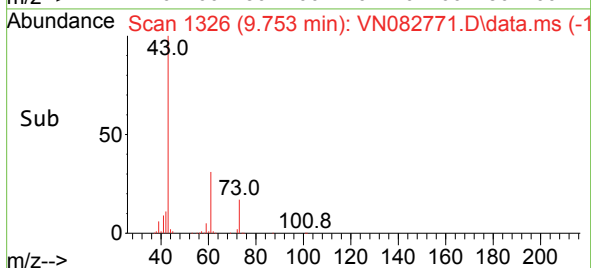
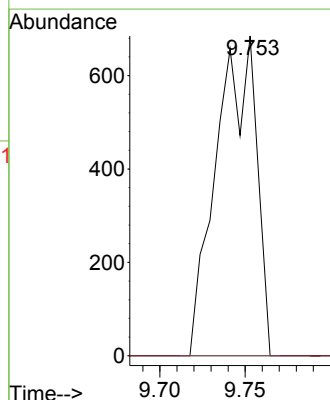
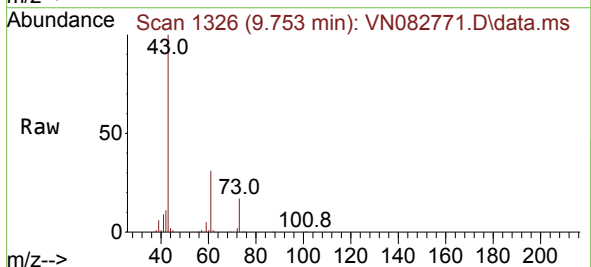
Instrument :
MSVOA_N
ClientSampleId :

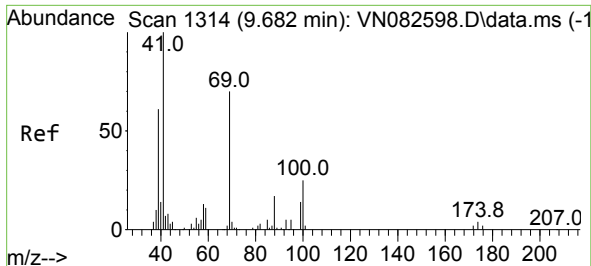
Tgt Ion: 43 Resp: 145231
Ion Ratio Lower Upper
43 100
61 14.2 17.8 26.6#
87 10.1 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.672 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.130 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 63 Resp: 1113
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

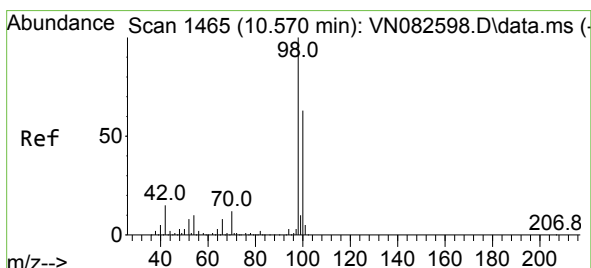
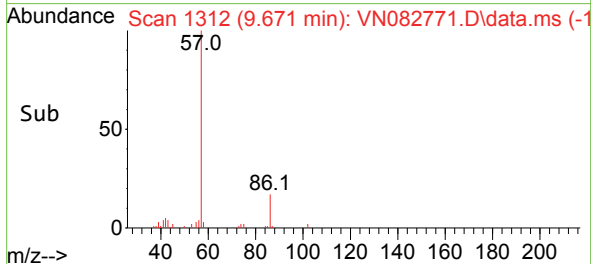
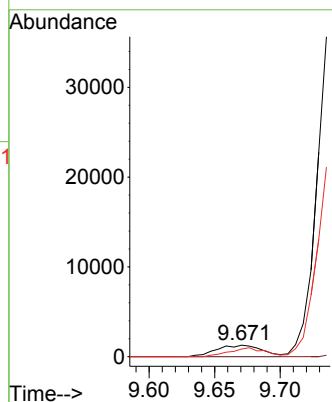
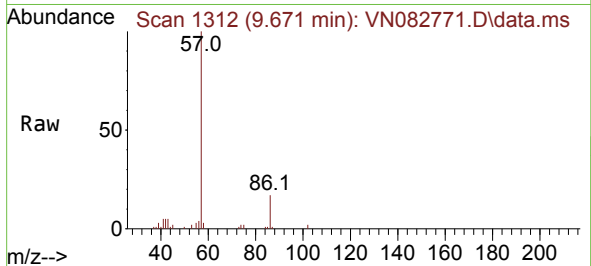




#48
Methyl methacrylate
Concen: 1.784 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

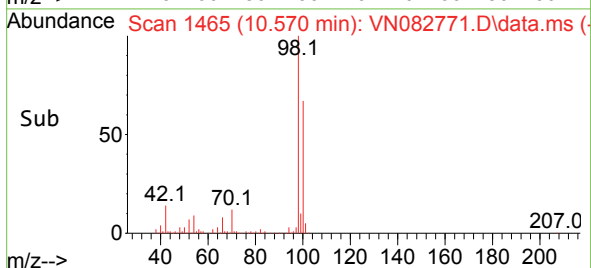
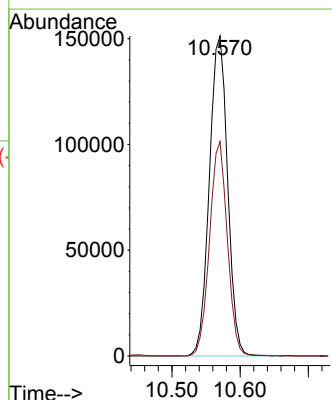
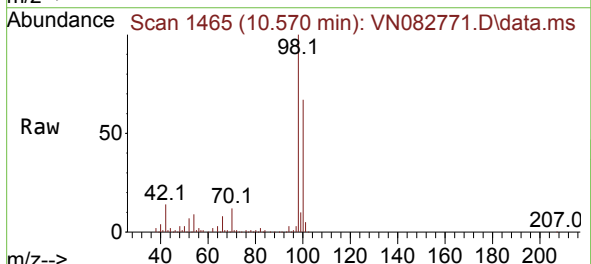
Instrument :
MSVOA_N
ClientSampleId :

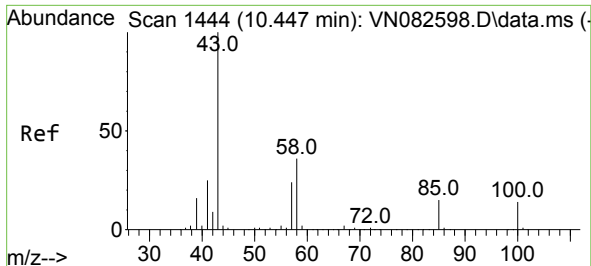
Tgt Ion: 41 Resp: 3092
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 60.1 50.3 75.5



#50
Toluene-d8
Concen: 52.030 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 98 Resp: 282139
Ion Ratio Lower Upper
98 100
100 65.2 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 3.756 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

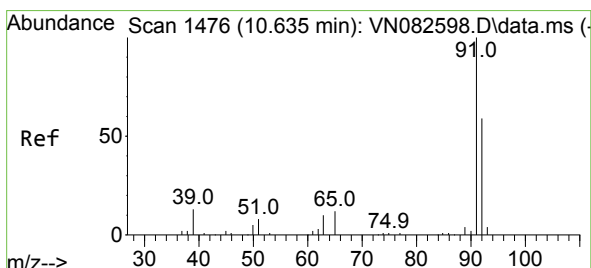
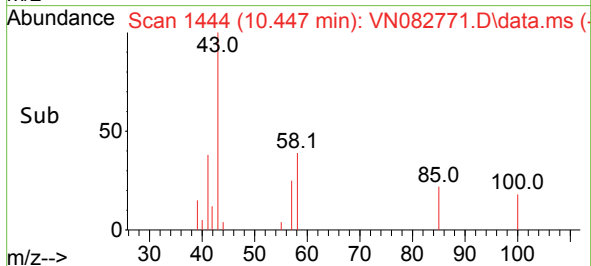
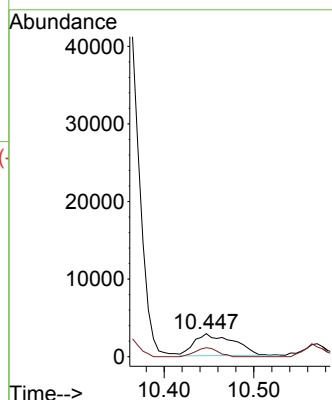
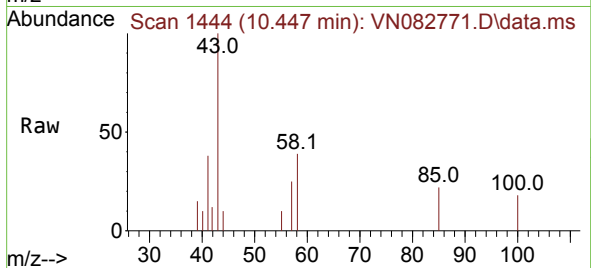
ClientSampleId :

Tgt Ion: 43 Resp: 8654

Ion Ratio Lower Upper

43 100

58 23.3 28.2 42.4#



#52

Toluene

Concen: 0.280 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN082771.D

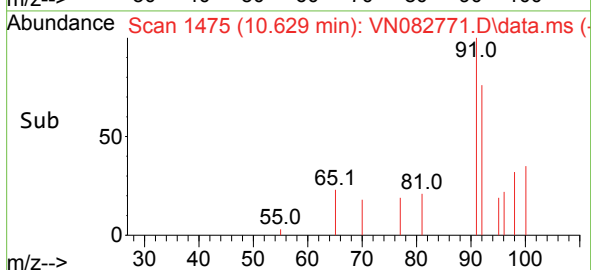
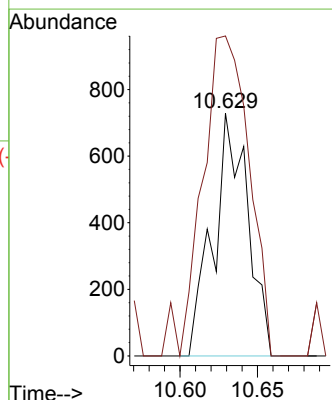
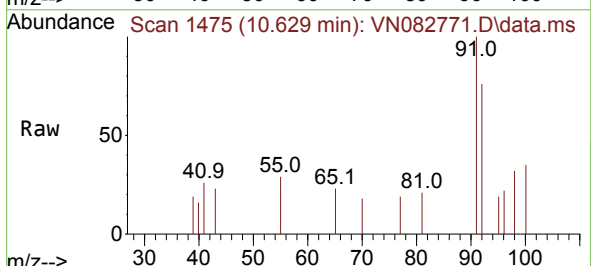
Acq: 01 Jul 2024 17:29

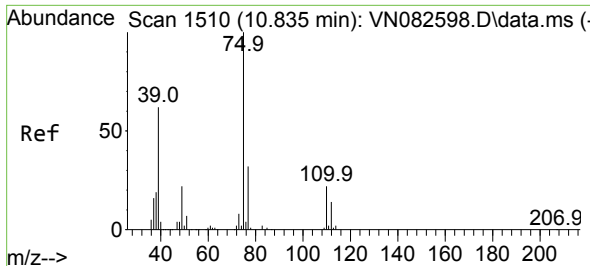
Tgt Ion: 92 Resp: 1124

Ion Ratio Lower Upper

92 100

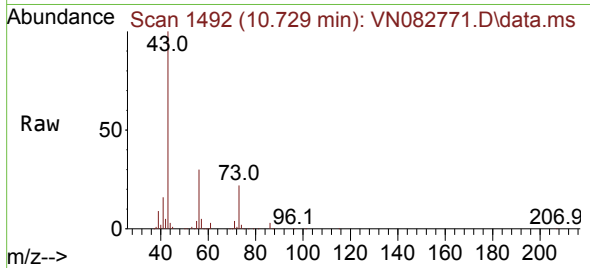
91 180.7 139.4 209.0



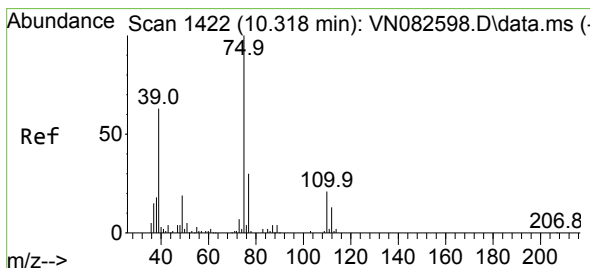
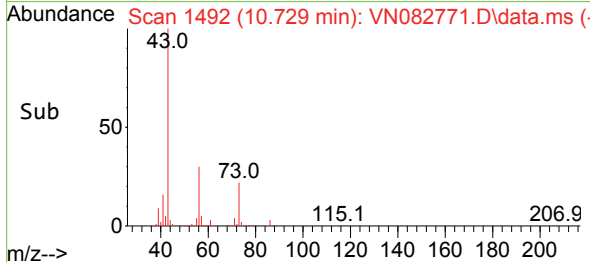
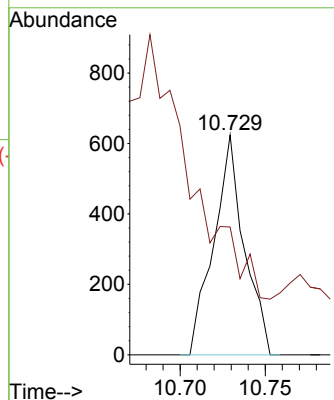


#53
 t-1,3-Dichloropropene
 Concen: 0.333 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082771.D
 Acq: 01 Jul 2024 17:29

Instrument :
 MSVOA_N
 ClientSampleId :

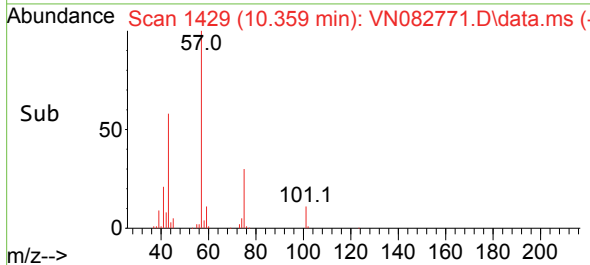
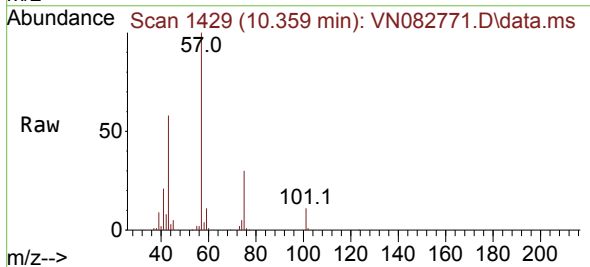
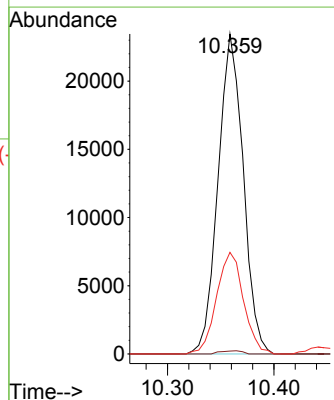


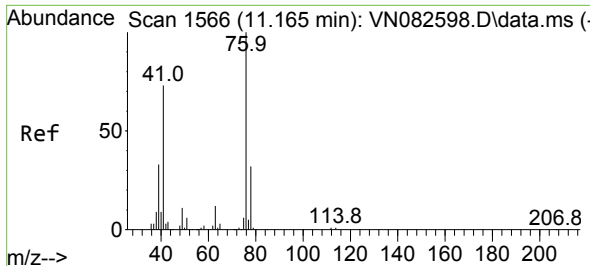
Tgt Ion: 75 Resp: 777
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 15.694 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082771.D
 Acq: 01 Jul 2024 17:29

Tgt Ion: 75 Resp: 38487
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 31.7 50.5 75.7#





#57

1,3-Dichloropropane

Concen: 1.659 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

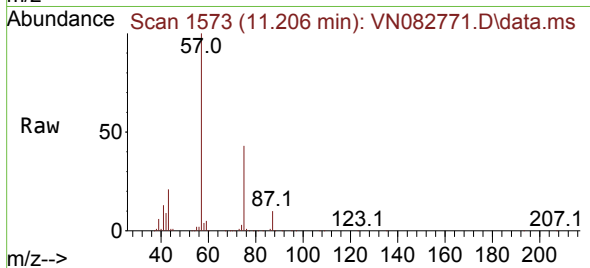
Lab File: VN082771.D

Acq: 01 Jul 2024 17:29

Instrument :

MSVOA_N

ClientSampleId :

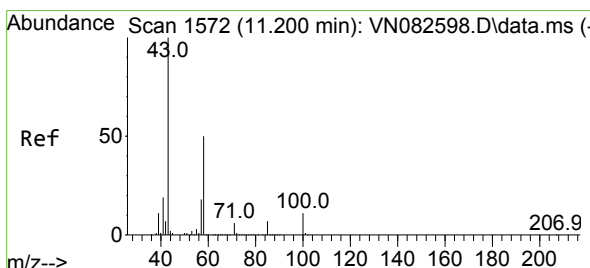
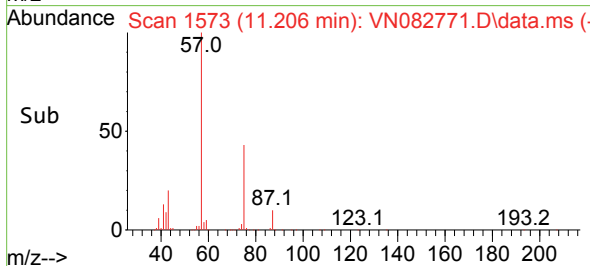
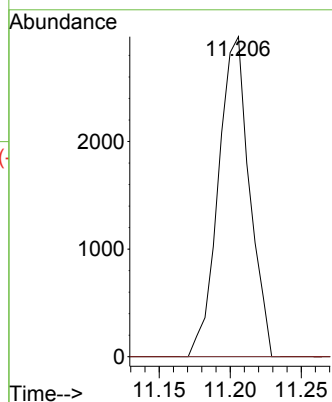


Tgt Ion: 76 Resp: 4540

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 50.175 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.030 min

Lab File: VN082771.D

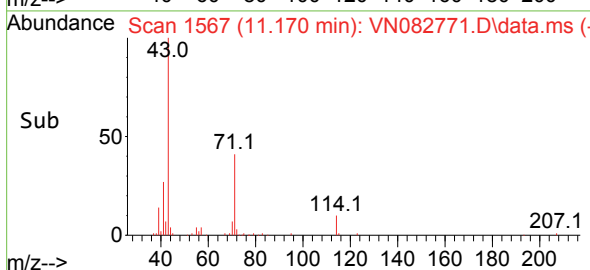
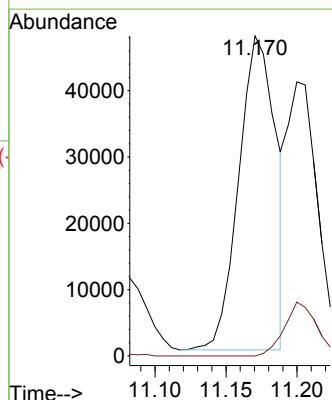
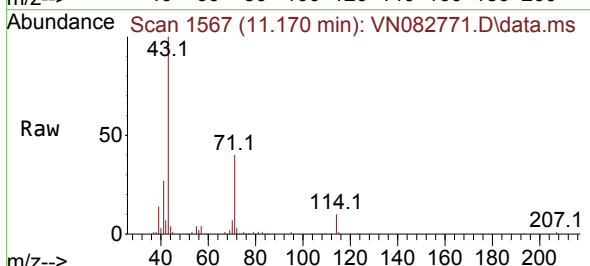
Acq: 01 Jul 2024 17:29

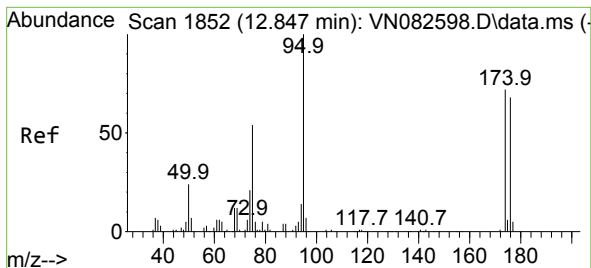
Tgt Ion: 43 Resp: 85716

Ion Ratio Lower Upper

43 100

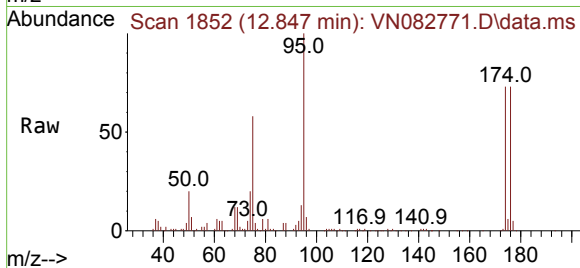
58 0.0 24.6 73.8#



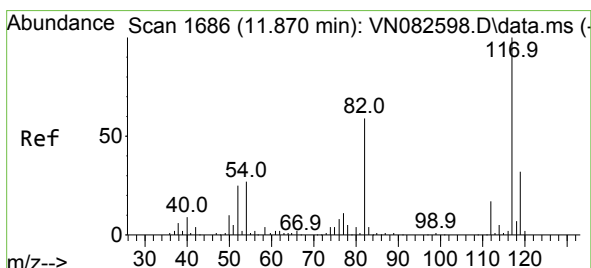
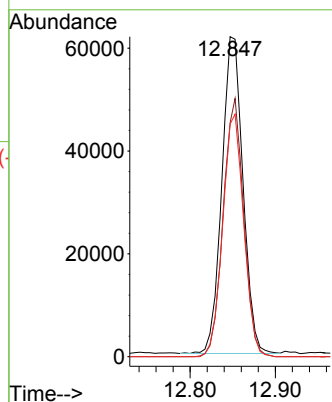
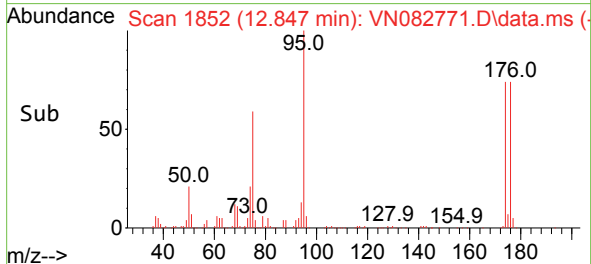


#62
4-Bromofluorobenzene
Concen: 57.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

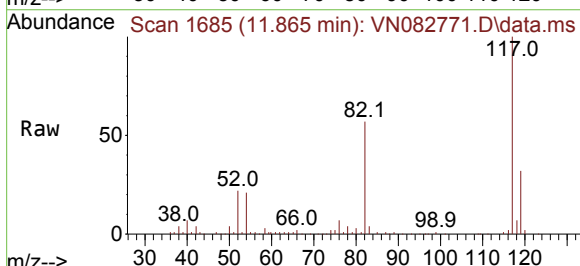
Instrument :
MSVOA_N
ClientSampleId :



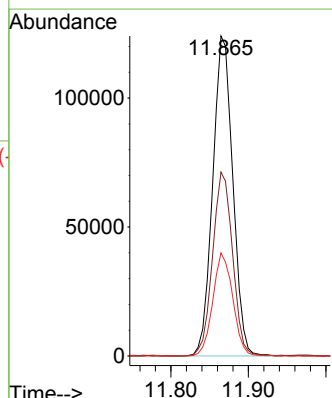
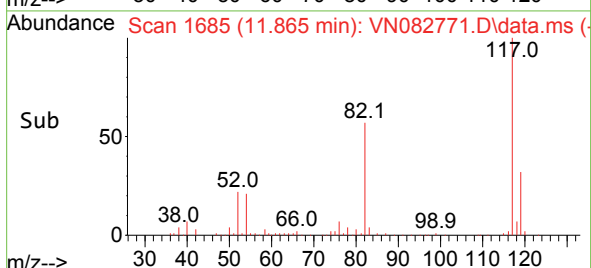
Tgt Ion: 95 Resp: 106209
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.2
176 76.0 0.0 147.6

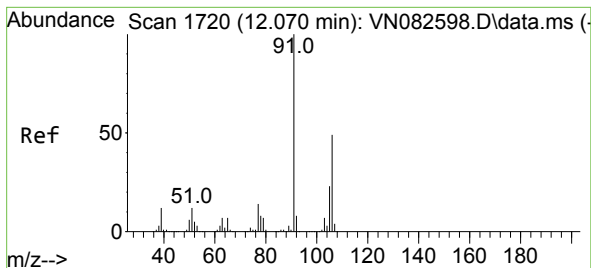


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29



Tgt Ion: 117 Resp: 223347
Ion Ratio Lower Upper
117 100
82 57.5 47.5 71.3
119 32.2 25.6 38.4

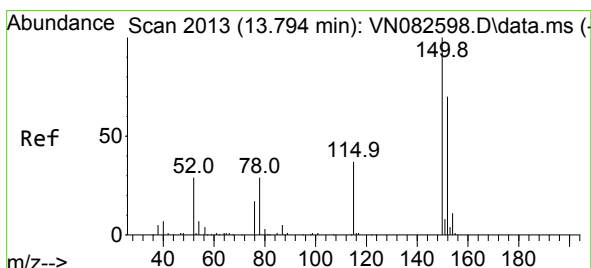
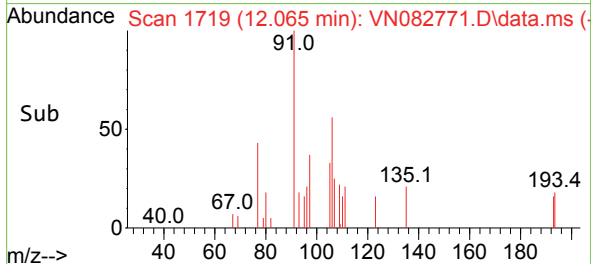
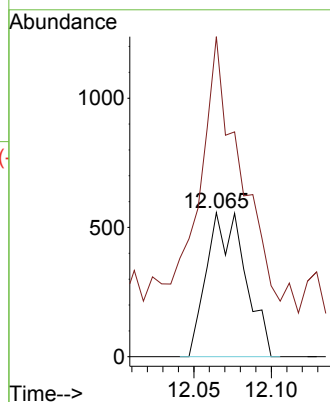
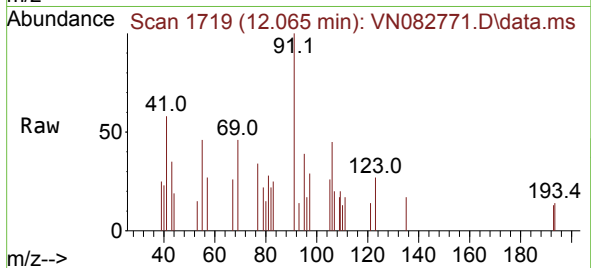




#68
m/p-Xylenes
Concen: 0.312 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.005 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

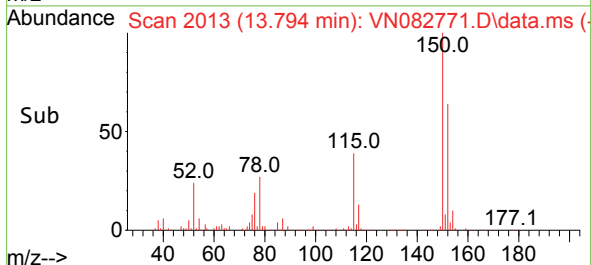
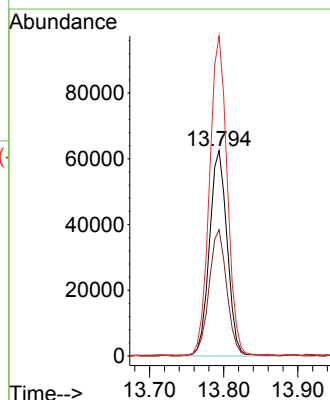
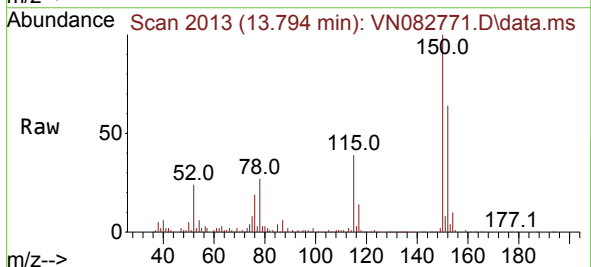
Instrument :
MSVOA_N
ClientSampleId :

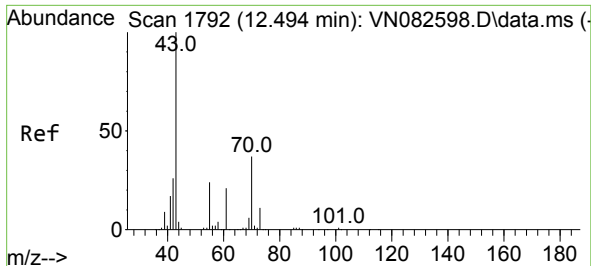
Tgt Ion:106 Resp: 959
Ion Ratio Lower Upper
106 100
91 179.7 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

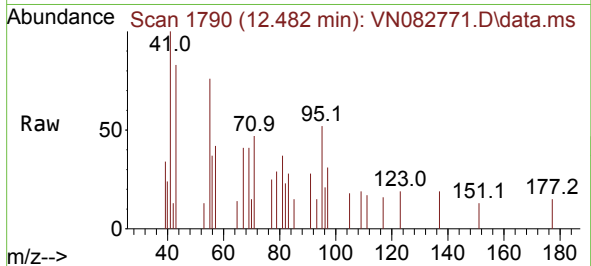
Tgt Ion:152 Resp: 104070
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 154.9 0.0 348.6





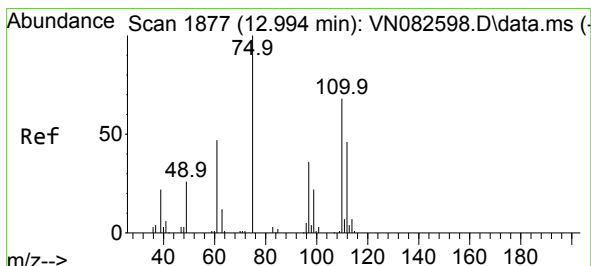
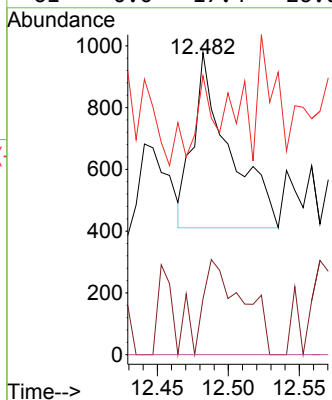
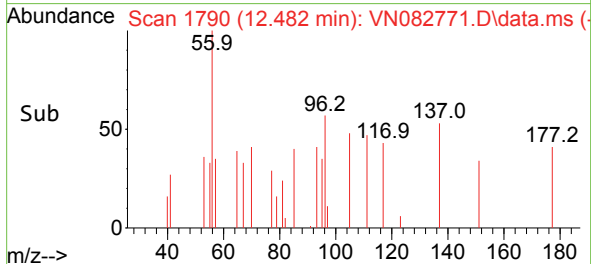
#74
N-amy1 acetate
Concen: 0.294 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 996

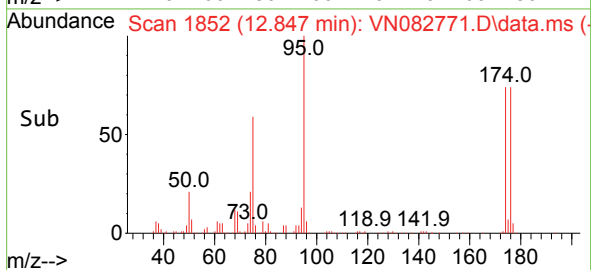
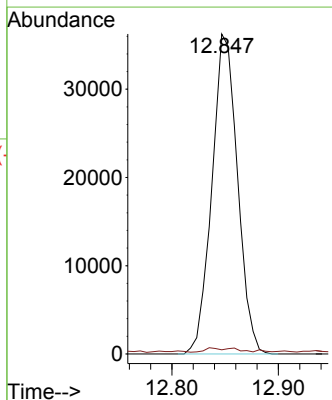
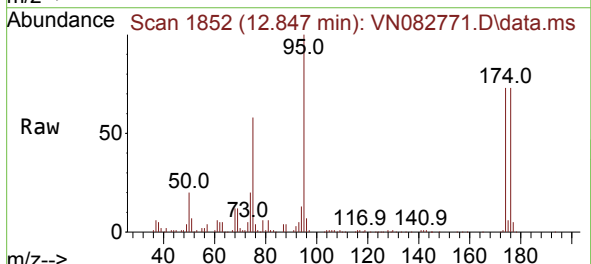
Ion	Ratio	Lower	Upper
43	100		
70	59.0	29.8	44.6#
55	29.0	18.7	28.1#
61	0.0	17.4	26.0#

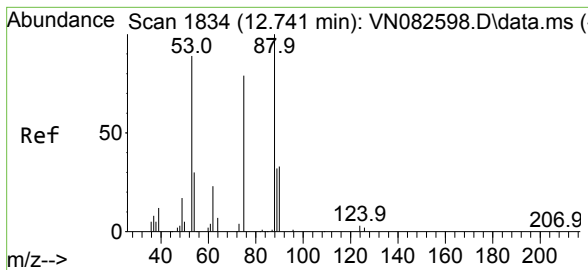


#76
1,2,3-Trichloropropane
Concen: 26.619 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082771.D
Acq: 01 Jul 2024 17:29

Tgt Ion: 75 Resp: 60425

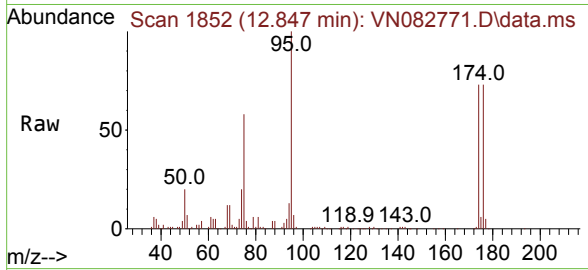
Ion	Ratio	Lower	Upper
75	100		
77	0.8	110.9	332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.419 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082771.D
 Acq: 01 Jul 2024 17:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 60425
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.4 132.6#
 89 0.0 36.3 54.5#

