

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082770.D
 Acq On : 01 Jul 2024 17:05
 Operator : JC\MD
 Sample : PB161815ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

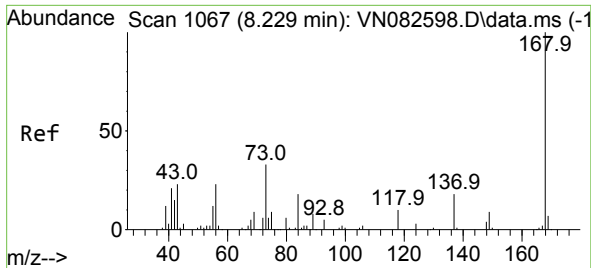
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:10:32 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)

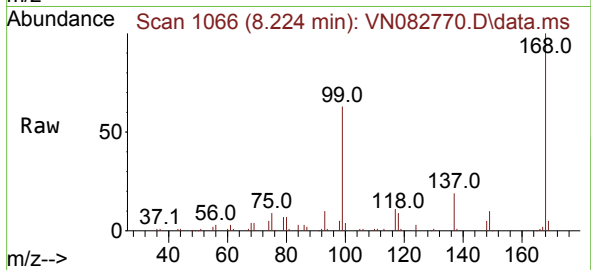
Internal Standards						
1) Pentafluorobenzene	8.224	168	117669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	222151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	205666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	84921	46.798	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.600%
35) Dibromofluoromethane	8.171	113	73591	50.314	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.620%
50) Toluene-d8	10.565	98	286753	52.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.840%
62) 4-Bromofluorobenzene	12.847	95	97513	51.911	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	103.820%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	21523	31.305	ug/l	94
18) Methyl Acetate	5.030	43	1082	0.592	ug/l #	56
20) Methylene Chloride	5.277	84	11859	6.817	ug/l #	75
25) 2-Butanone	7.488	43	3417	3.253	ug/l	97
29) Tetrahydrofuran	7.859	42	156	0.230	ug/l #	38
31) Cyclohexane	8.224	56	2697	1.055	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	10216	4.859	ug/l #	52
37) Ethyl Acetate	7.571	43	2770	1.219	ug/l #	77
38) Carbon Tetrachloride	8.229	117	12941	5.263	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	545	0.220	ug/l #	78
43) Isopropyl Acetate	8.694	43	160487	40.606	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1190	0.712	ug/l #	44
48) Methyl methacrylate	9.671	41	3258	1.863	ug/l #	51
51) 4-Methyl-2-Pentanone	10.447	43	4737	2.038	ug/l #	81
52) Toluene	10.635	92	1164	0.287	ug/l #	67
53) t-1,3-Dichloropropene	10.729	75	493	0.210	ug/l #	65
54) cis-1,3-Dichloropropene	10.359	75	36975	14.947	ug/l #	57
57) 1,3-Dichloropropane	11.200	76	4781	1.732	ug/l #	43
59) 2-Hexanone	11.170	43	85415	49.567	ug/l #	28
68) m/p-Xylenes	12.070	106	1109	0.391	ug/l	76
74) N-amyl acetate	12.488	43	929	0.310	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	13.000	83	1011	0.429	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	52652	26.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52652	68.407	ug/l #	7
83) tert-Butylbenzene	13.470	119	963	0.208	ug/l #	48
84) 1,2,4-Trimethylbenzene	13.482	105	1145	0.210	ug/l	86
95) Naphthalene	15.647	128	1585	0.322	ug/l #	69

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

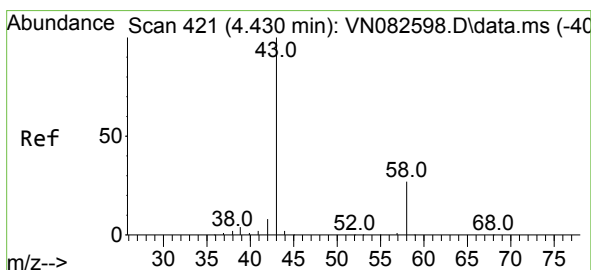
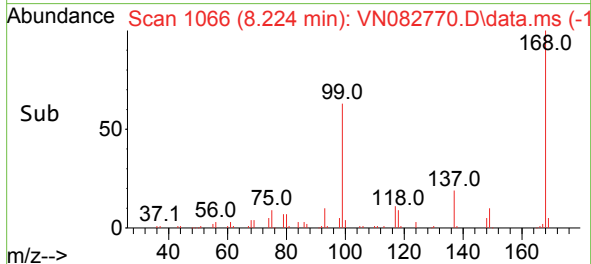
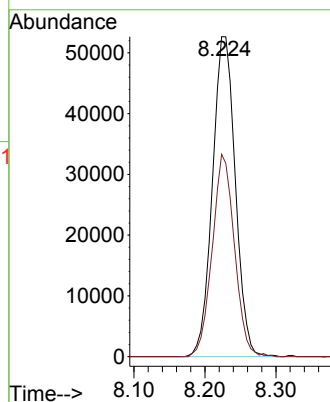


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :

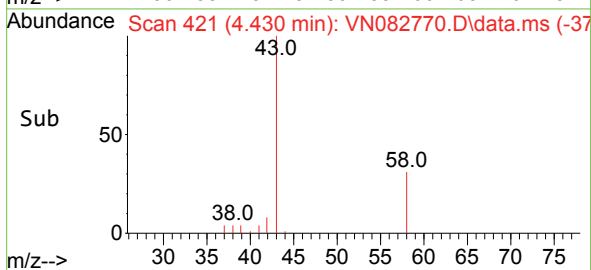
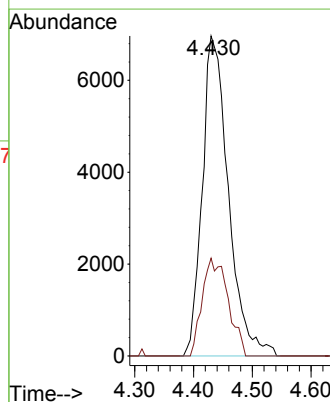
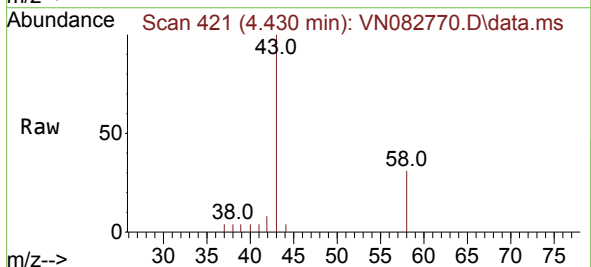


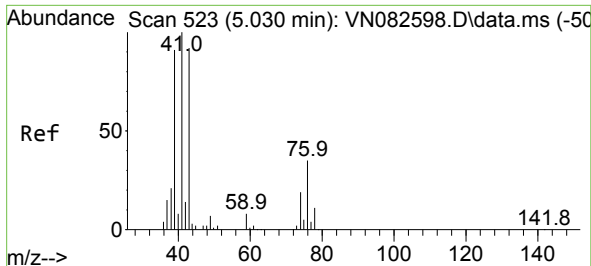
Tgt Ion:168 Resp: 117669
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#16
Acetone
Concen: 31.305 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 43 Resp: 21523
Ion Ratio Lower Upper
43 100
58 30.6 21.8 32.6





#18

Methyl Acetate

Concen: 0.592 ug/l

RT: 5.030 min Scan# 51

Delta R.T. -0.000 min

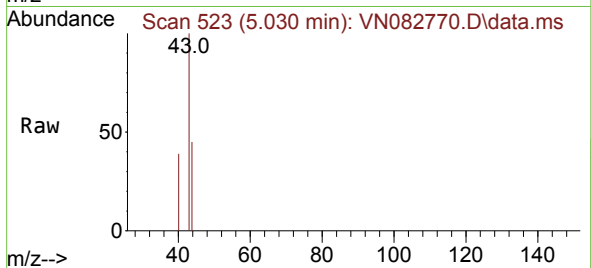
Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

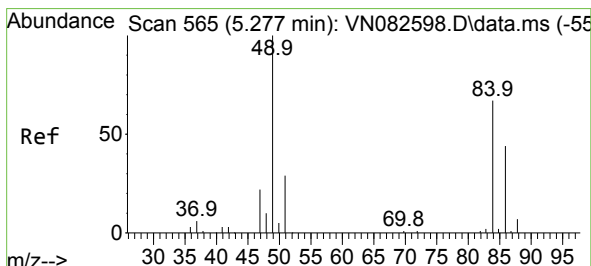
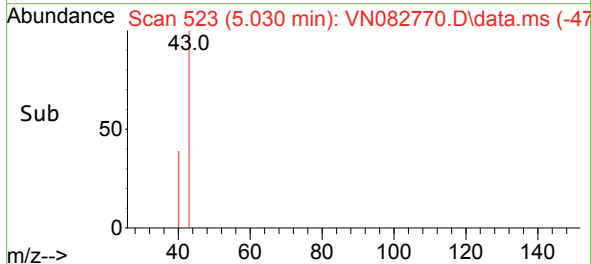
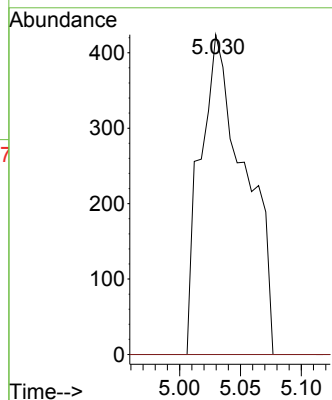


Tgt Ion: 43 Resp: 1082

Ion Ratio Lower Upper

43 100

74 0.0 16.3 24.5#



#20

Methylene Chloride

Concen: 6.817 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Tgt Ion: 84 Resp: 11859

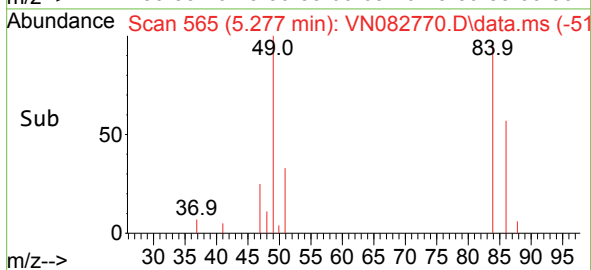
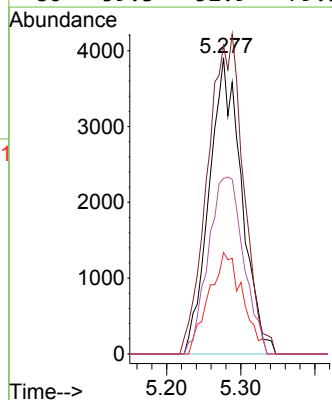
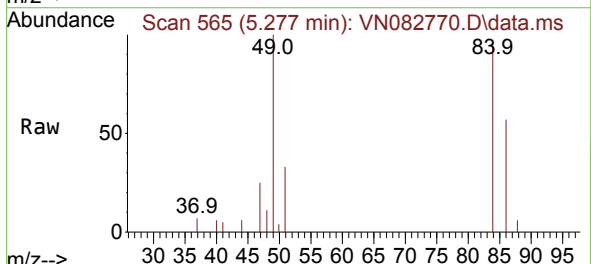
Ion Ratio Lower Upper

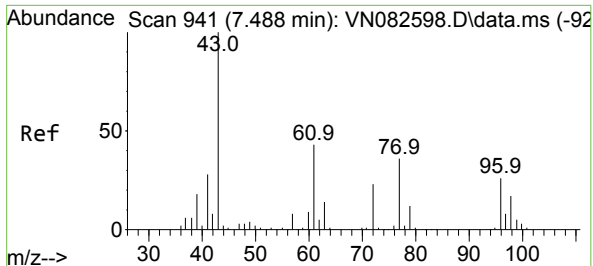
84 100

49 104.1 119.6 179.4#

51 34.3 34.8 52.2#

86 59.3 52.9 79.3

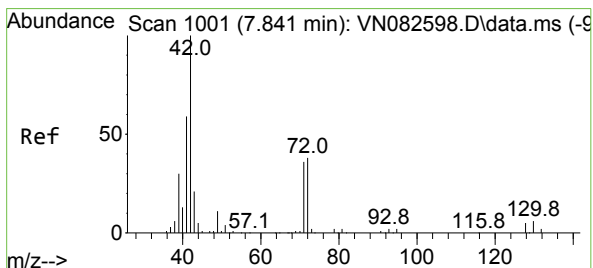
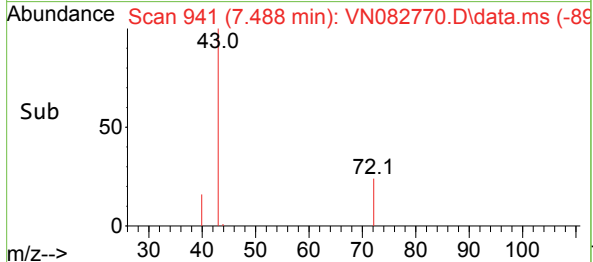
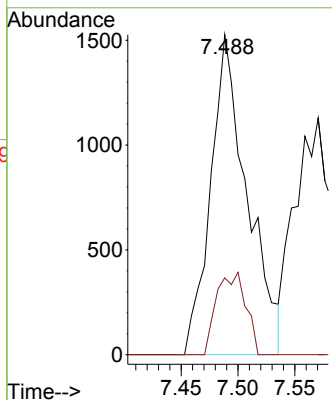
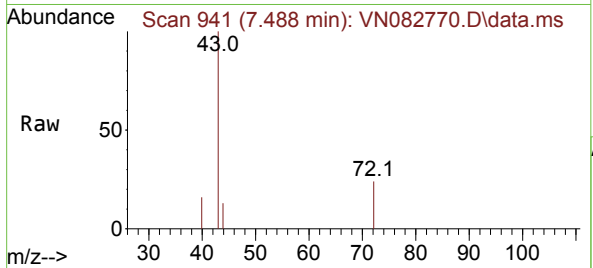




#25
2-Butanone
Concen: 3.253 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

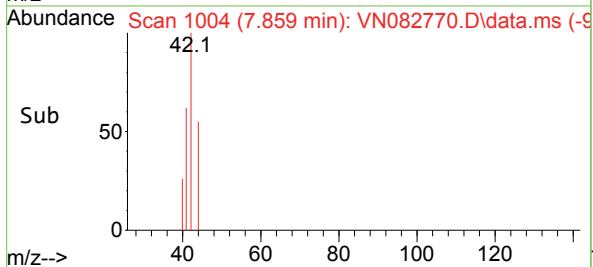
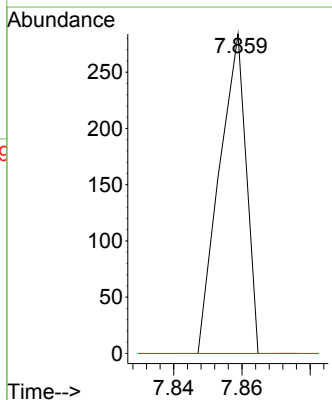
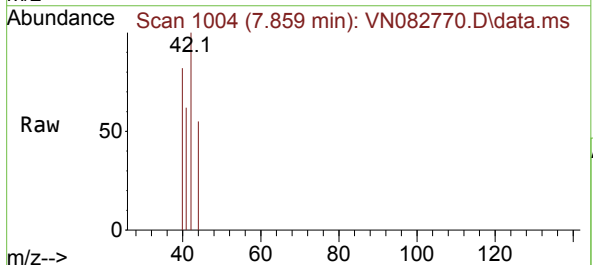
Instrument :
MSVOA_N
ClientSampleId :

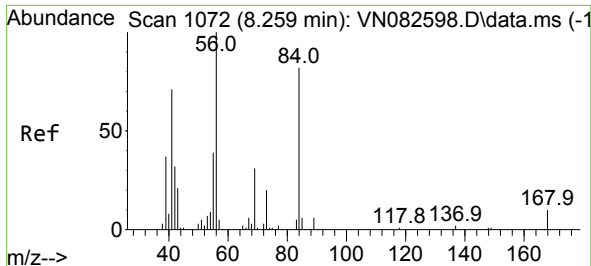
Tgt Ion: 43 Resp: 3417
Ion Ratio Lower Upper
43 100
72 24.0 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

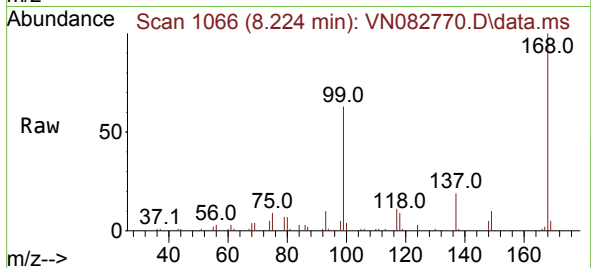
Tgt Ion: 42 Resp: 156
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



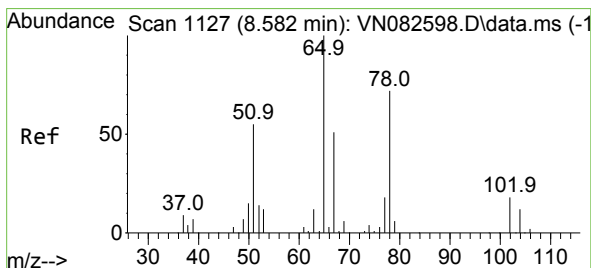
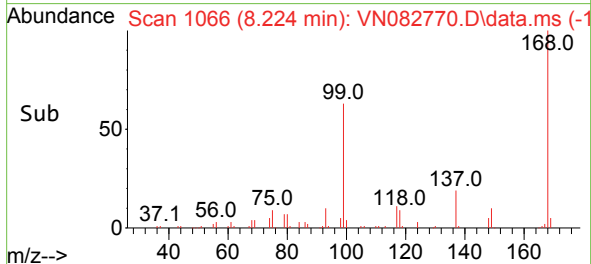
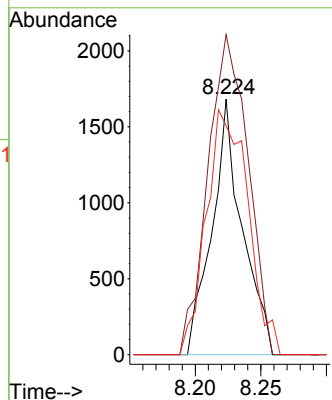


#31
Cyclohexane
Concen: 1.055 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :

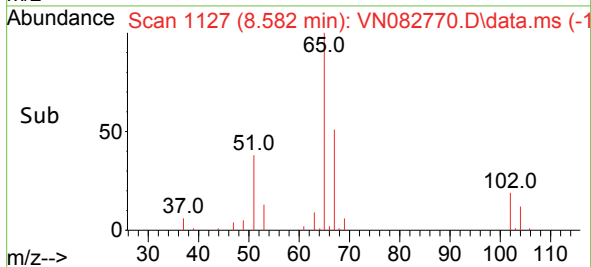
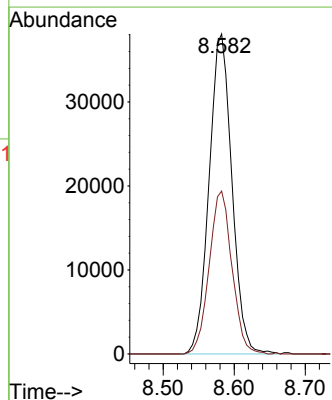
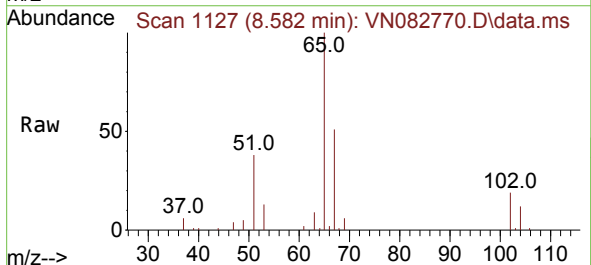


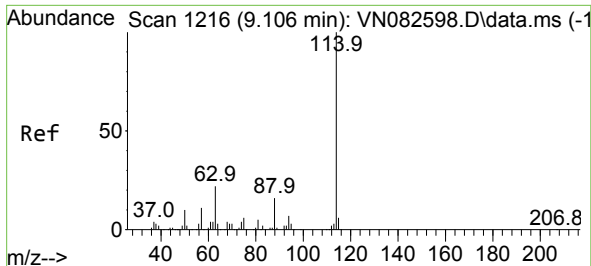
Tgt Ion: 56 Resp: 2697
Ion Ratio Lower Upper
56 100
69 125.2 24.5 36.7#
84 89.7 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 46.798 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 65 Resp: 84921
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

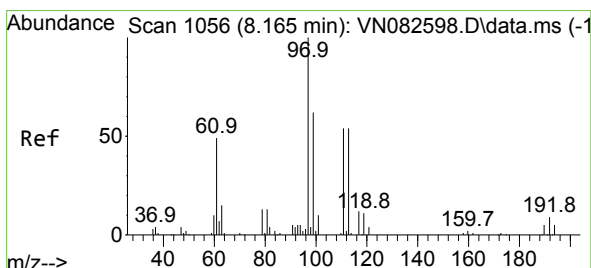
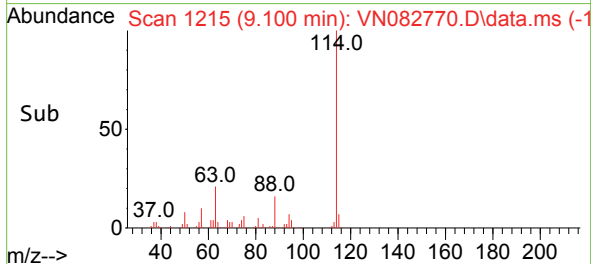
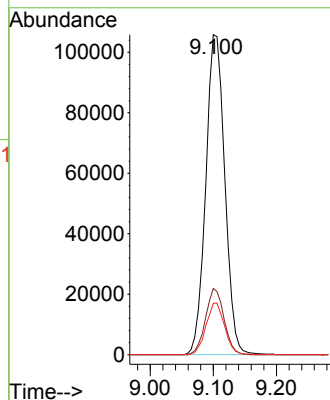
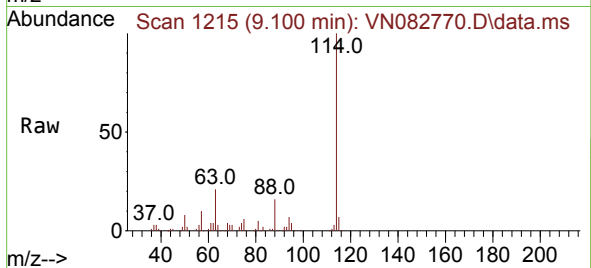
Tgt Ion:114 Resp: 222151

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.6

88 16.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.314 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

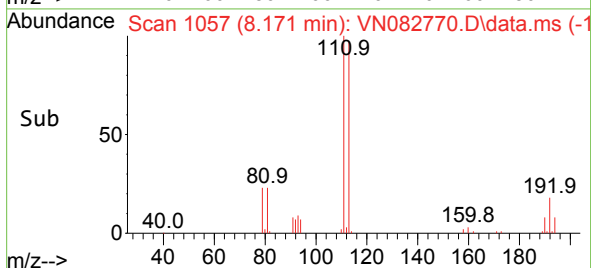
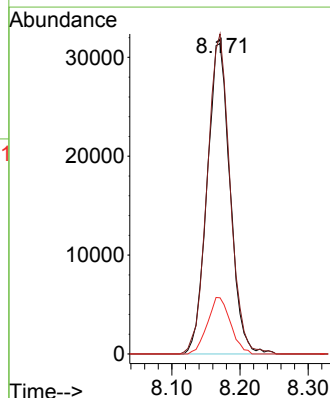
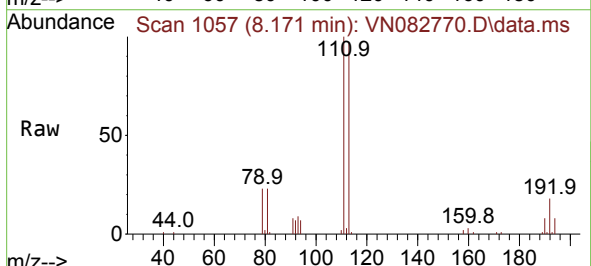
Tgt Ion:113 Resp: 73591

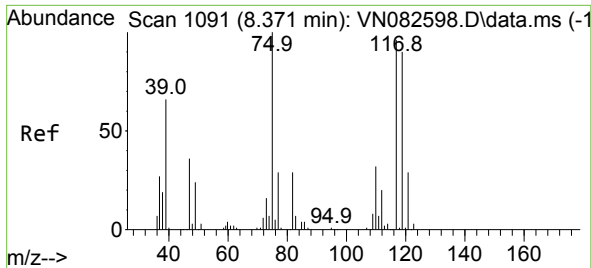
Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

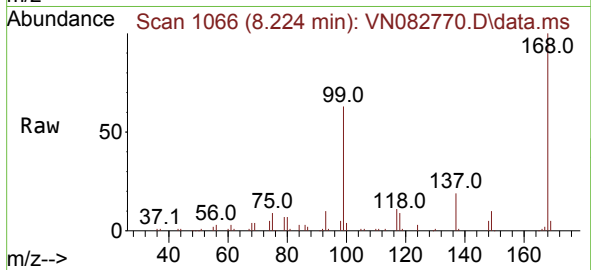
192 18.3 14.9 22.3



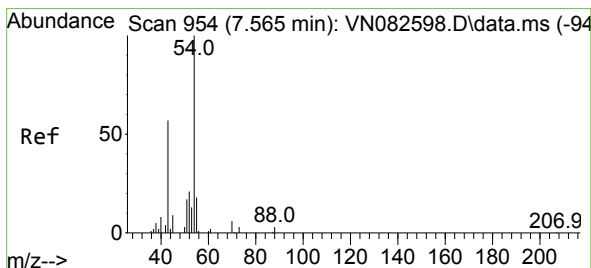
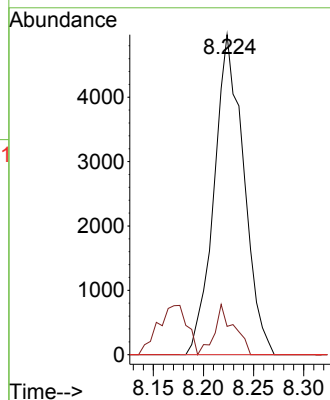
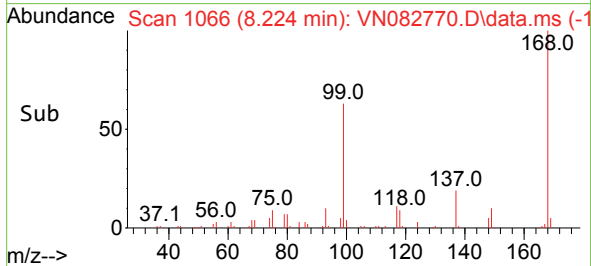


#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :

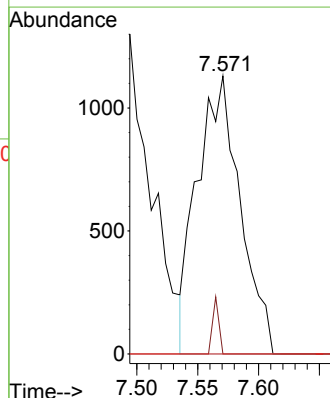
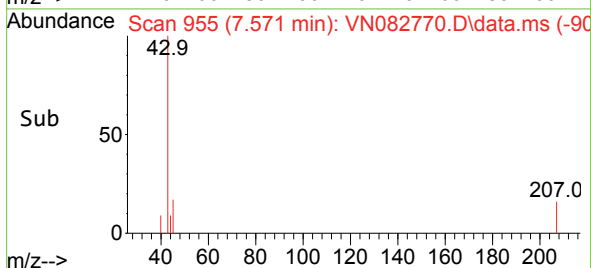
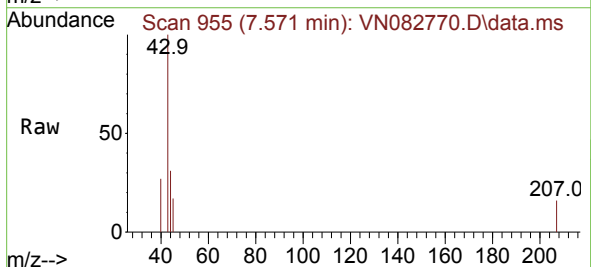


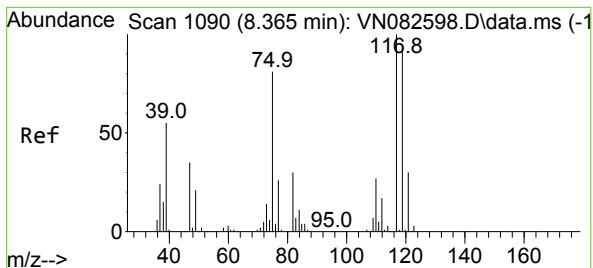
Tgt Ion: 75 Resp: 10216
Ion Ratio Lower Upper
75 100
110 10.2 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.219 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
61 3.0 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.263 ug/l

RT: 8.229 min Scan# 1106

Delta R.T. -0.136 min

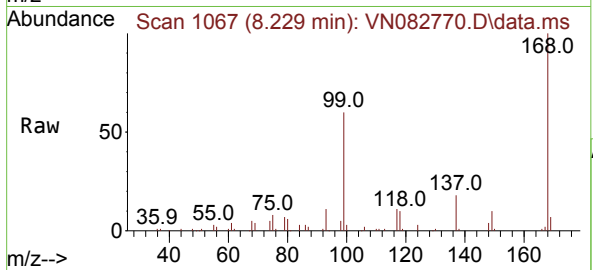
Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :



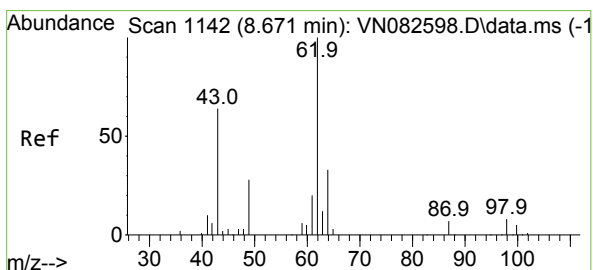
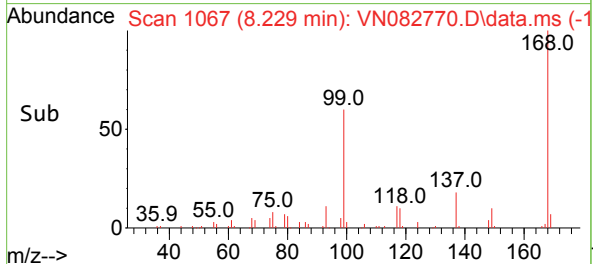
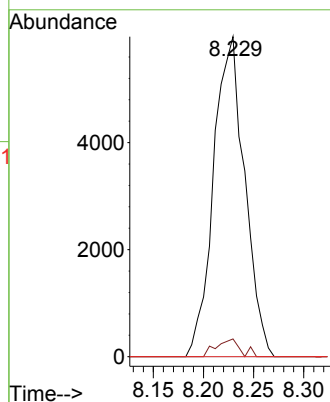
Tgt Ion:117 Resp: 12941

Ion Ratio Lower Upper

117 100

119 5.5 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.220 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082770.D

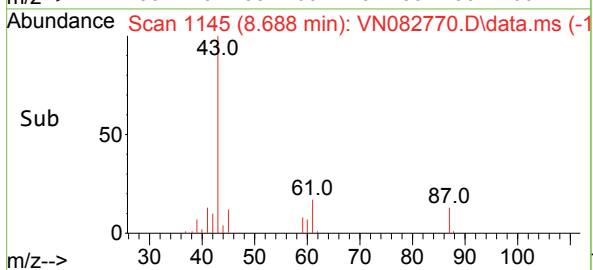
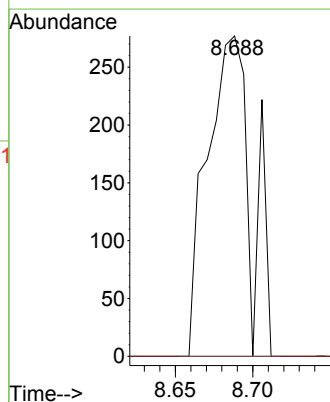
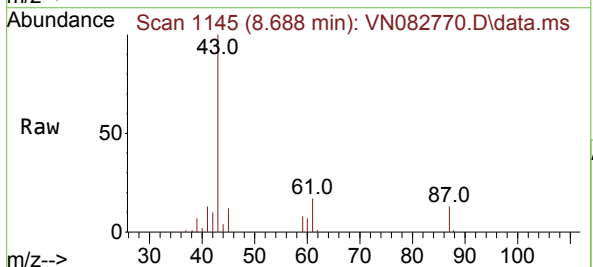
Acq: 01 Jul 2024 17:05

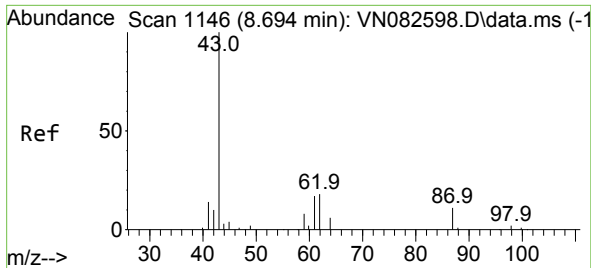
Tgt Ion: 62 Resp: 545

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8

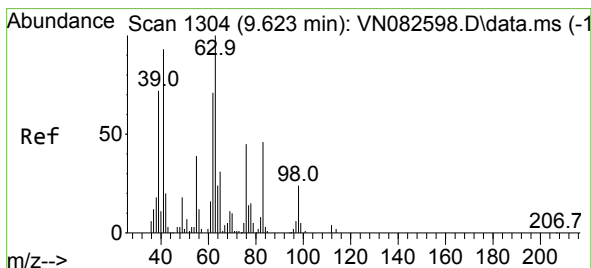
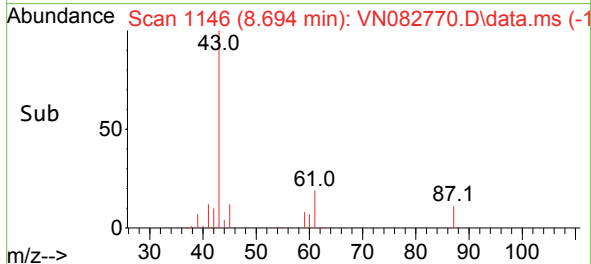
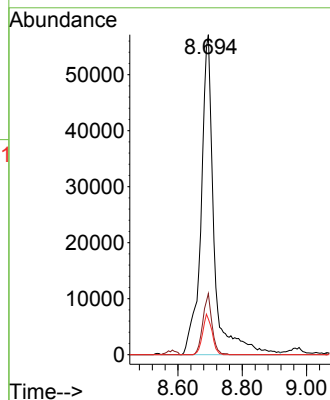
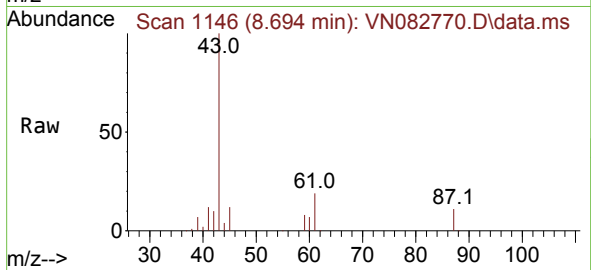




#43
Isopropyl Acetate
Concen: 40.606 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

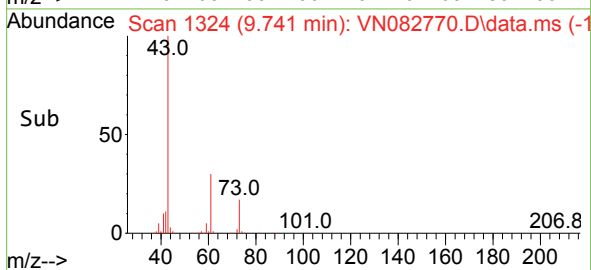
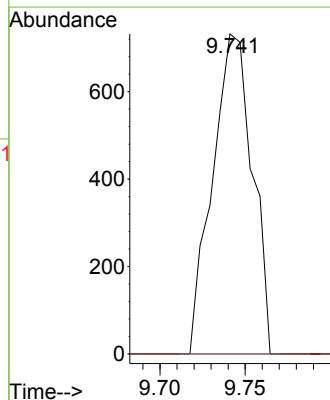
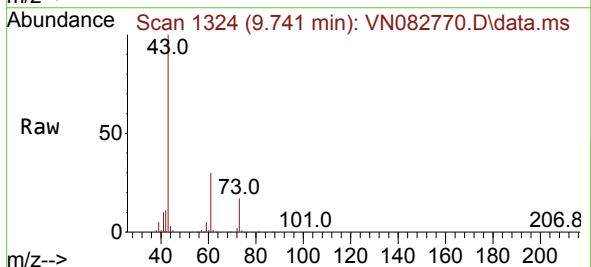
Instrument :
MSVOA_N
ClientSampleId :

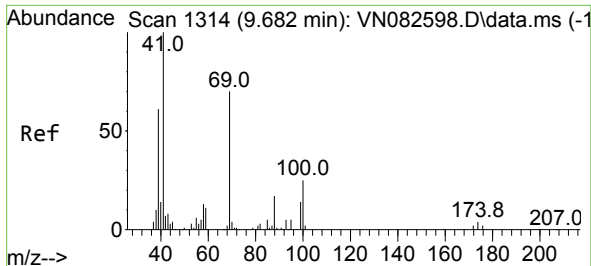
Tgt Ion: 43 Resp: 160487
Ion Ratio Lower Upper
43 100
61 13.4 17.8 26.6#
87 9.0 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.712 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 63 Resp: 1190
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

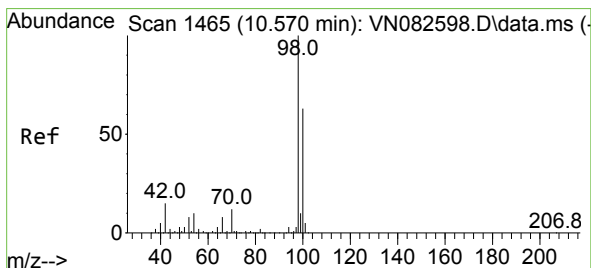
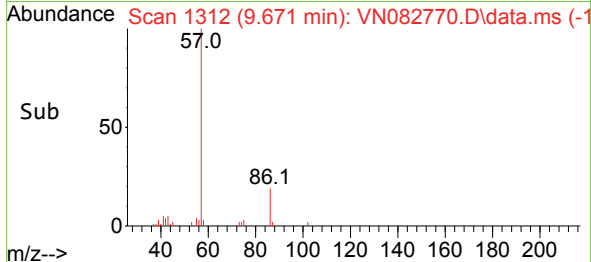
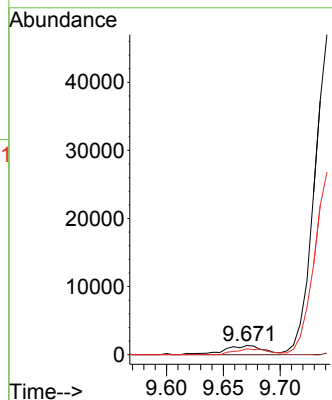
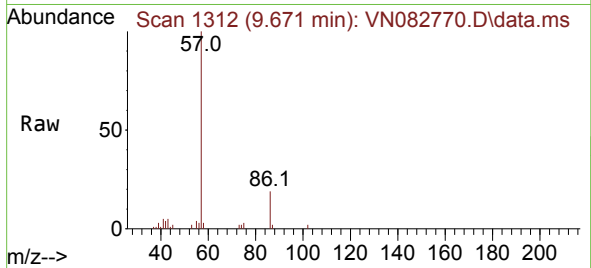




#48
Methyl methacrylate
Concen: 1.863 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

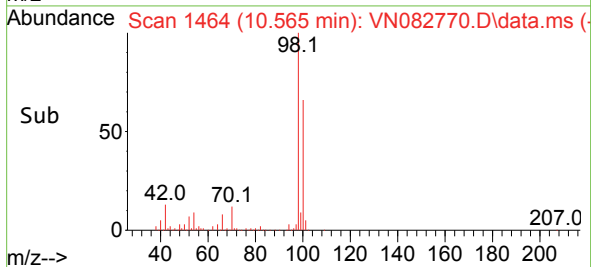
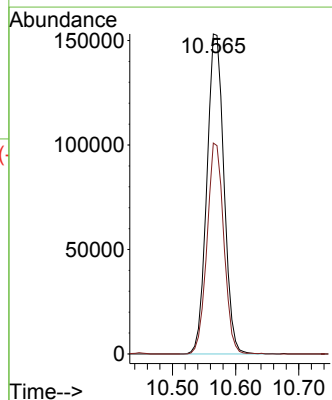
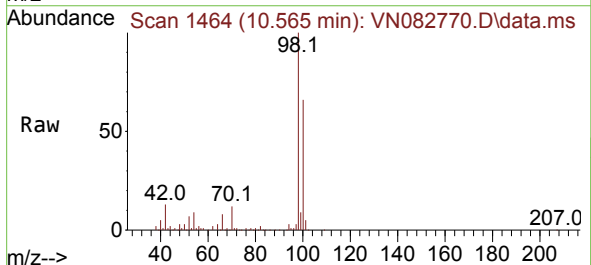
Instrument :
MSVOA_N
ClientSampleId :

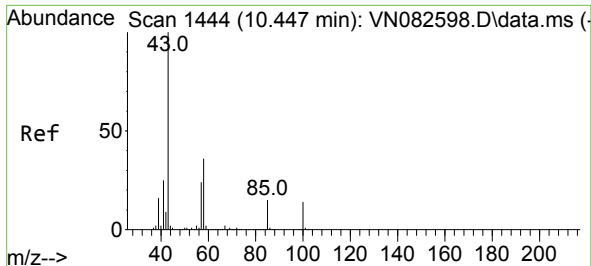
Tgt Ion: 41 Resp: 3258
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 56.5 50.3 75.5



#50
Toluene-d8
Concen: 52.424 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.005 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 98 Resp: 286753
Ion Ratio Lower Upper
98 100
100 64.9 51.5 77.3

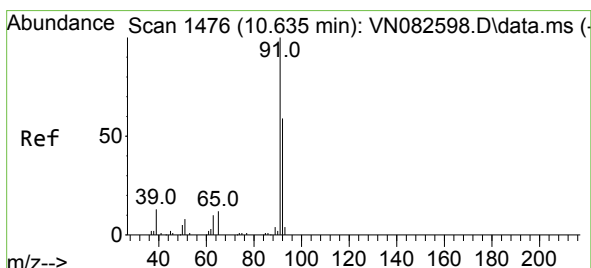
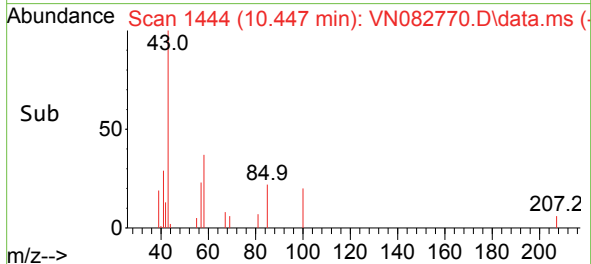
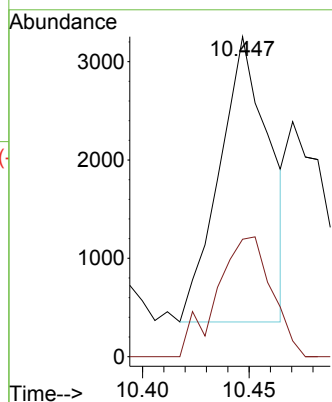
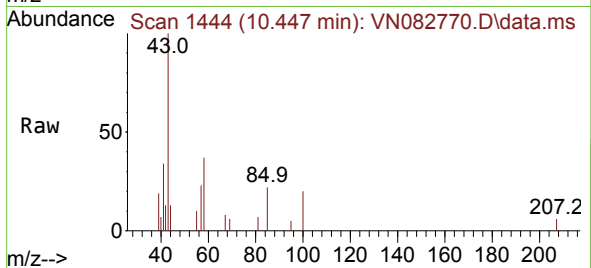




#51
4-Methyl-2-Pentanone
Concen: 2.038 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

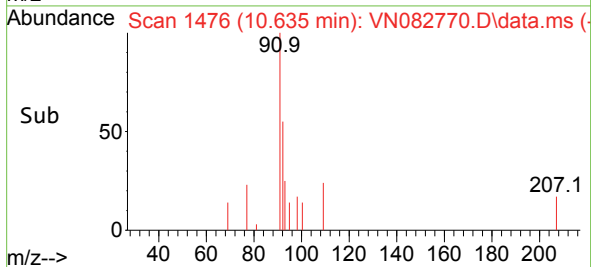
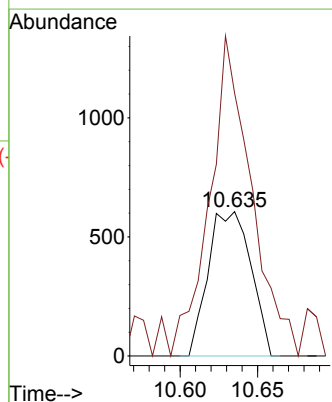
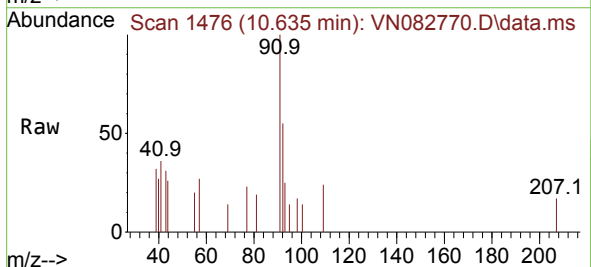
Instrument :
MSVOA_N
ClientSampleId :

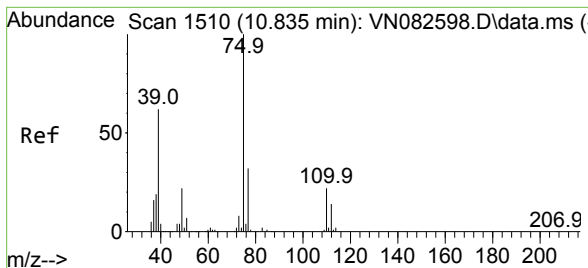
Tgt Ion: 43 Resp: 4737
Ion Ratio Lower Upper
43 100
58 46.2 28.2 42.4#



#52
Toluene
Concen: 0.287 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

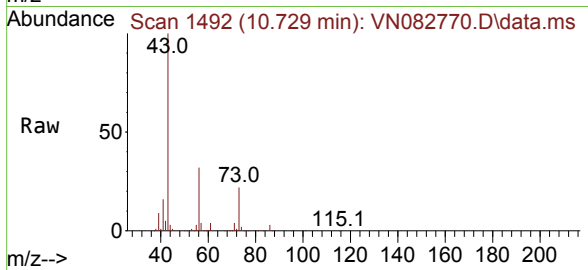
Tgt Ion: 92 Resp: 1164
Ion Ratio Lower Upper
92 100
91 220.4 139.4 209.0#



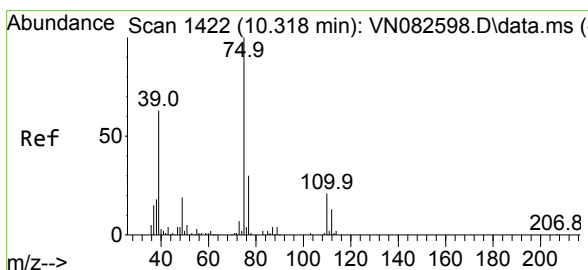
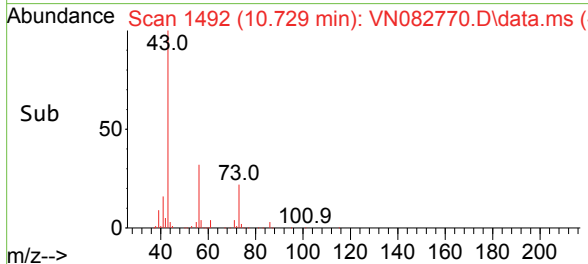
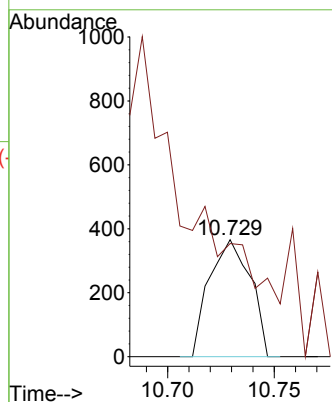


#53
 t-1,3-Dichloropropene
 Concen: 0.210 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082770.D
 Acq: 01 Jul 2024 17:05

Instrument :
 MSVOA_N
 ClientSampleId :

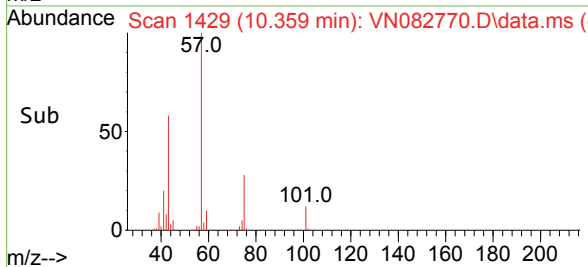
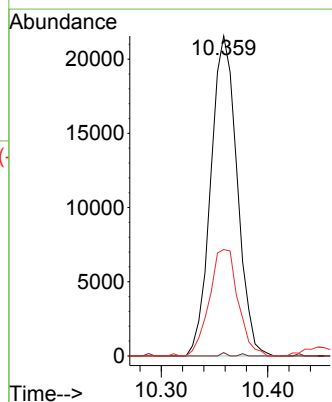
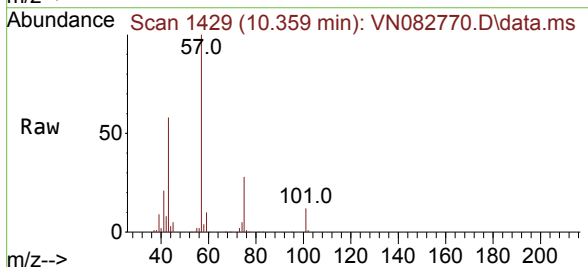


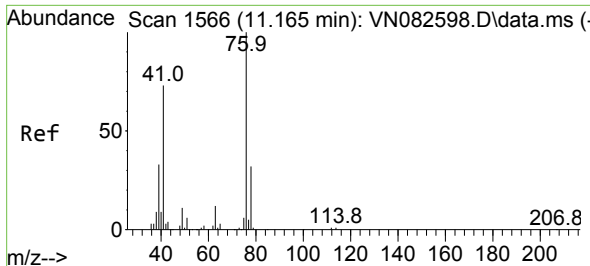
Tgt Ion: 75 Resp: 493
 Ion Ratio Lower Upper
 75 100
 77 51.6 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.947 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082770.D
 Acq: 01 Jul 2024 17:05

Tgt Ion: 75 Resp: 36975
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 36.5#
 39 33.2 50.5 75.7#





#57

1,3-Dichloropropane

Concen: 1.732 ug/l

RT: 11.200 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA_N

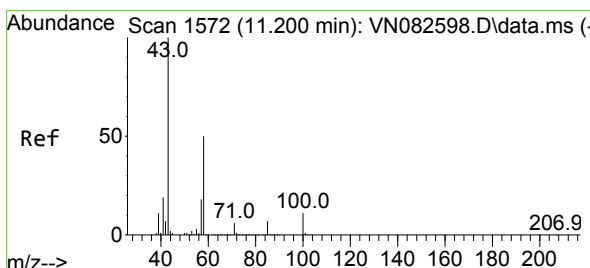
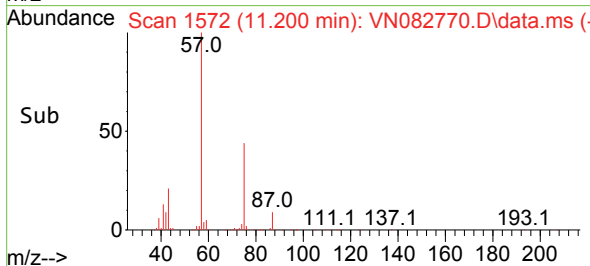
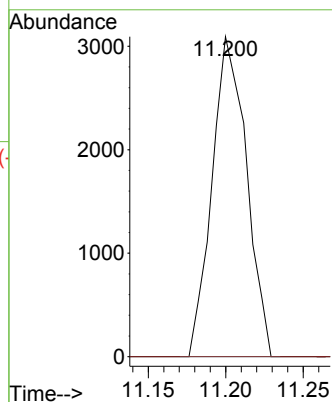
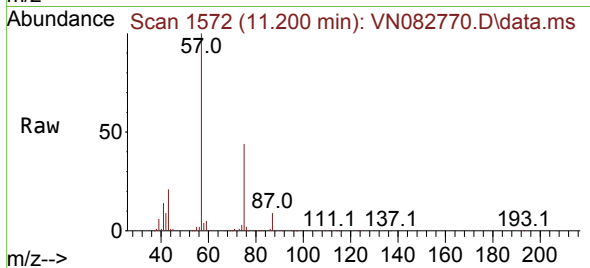
ClientSampleId :

Tgt Ion: 76 Resp: 4781

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 49.567 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.030 min

Lab File: VN082770.D

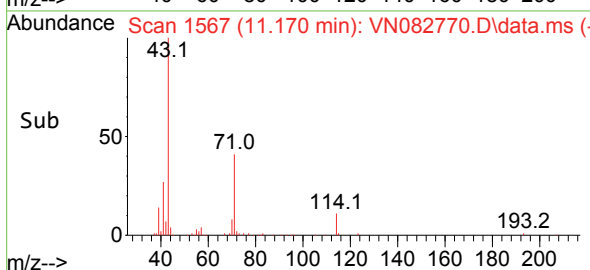
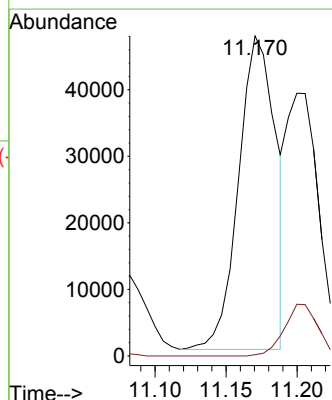
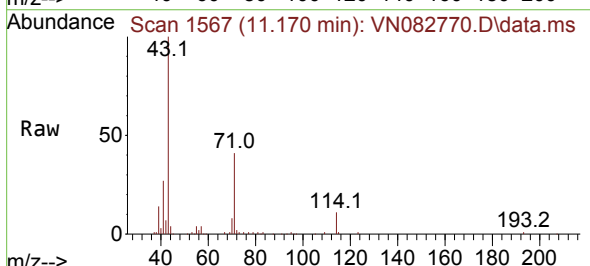
Acq: 01 Jul 2024 17:05

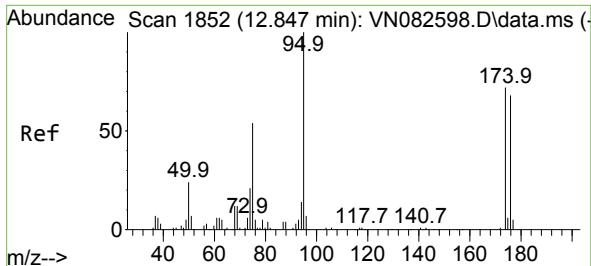
Tgt Ion: 43 Resp: 85415

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

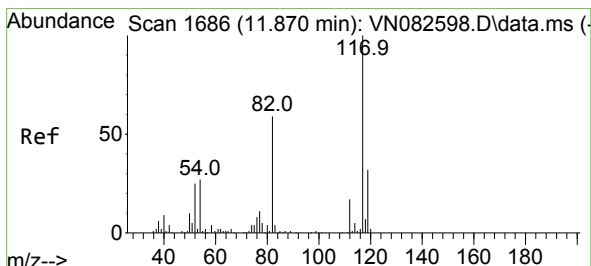
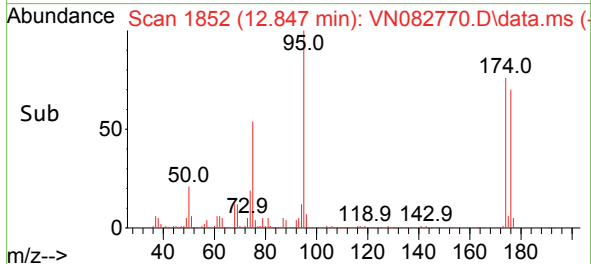
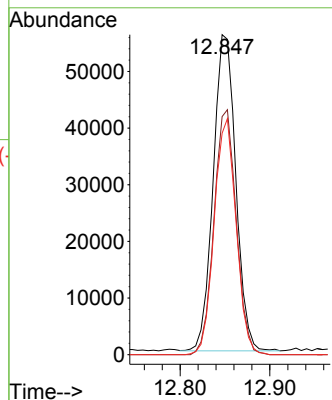
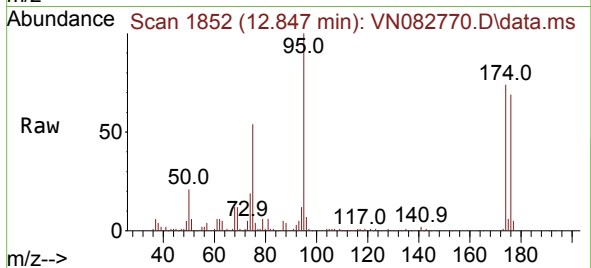




#62
4-Bromofluorobenzene
Concen: 51.911 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

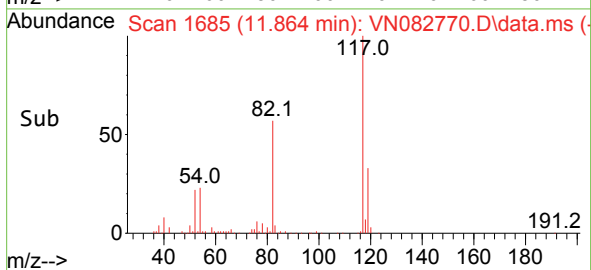
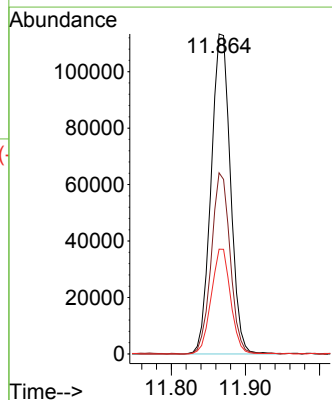
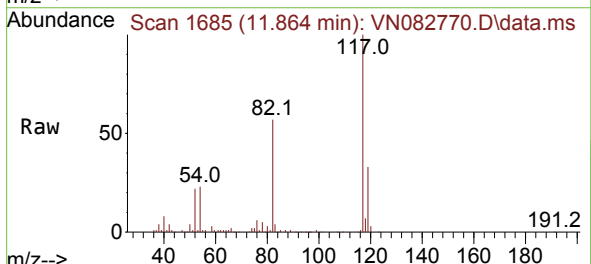
Instrument :
MSVOA_N
ClientSampleId :

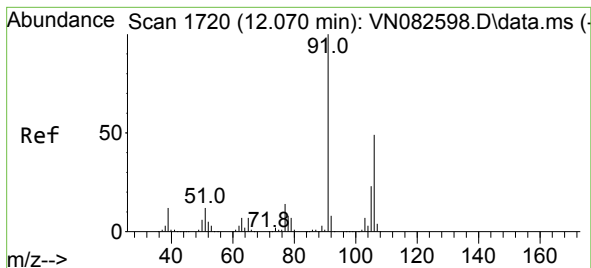
Tgt Ion: 95 Resp: 97513
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.2
176 72.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 117 Resp: 205666
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 32.8 25.6 38.4

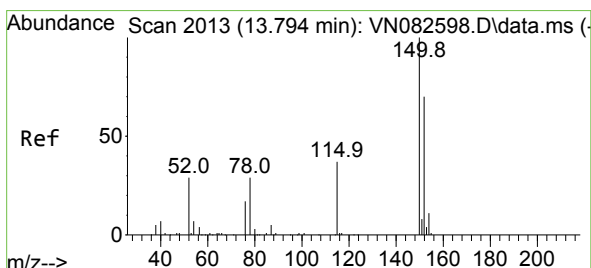
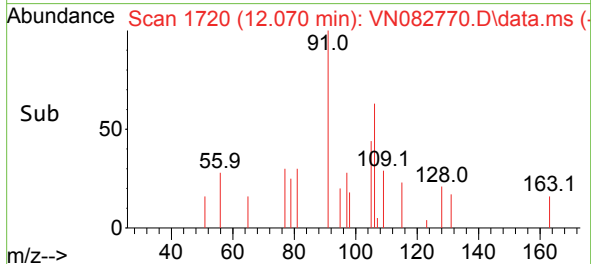
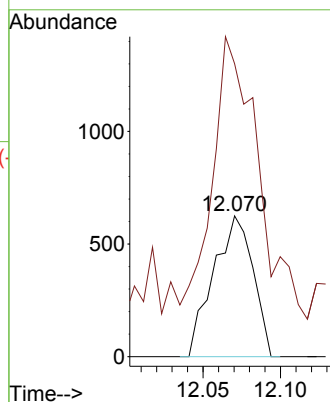
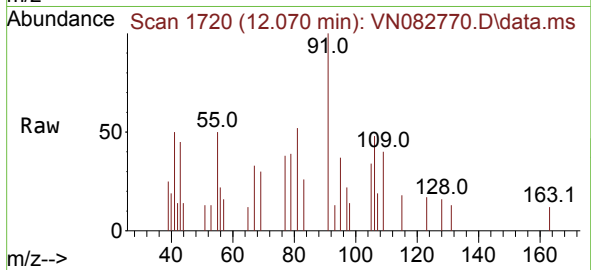




#68
m/p-Xylenes
Concen: 0.391 ug/l
RT: 12.070 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

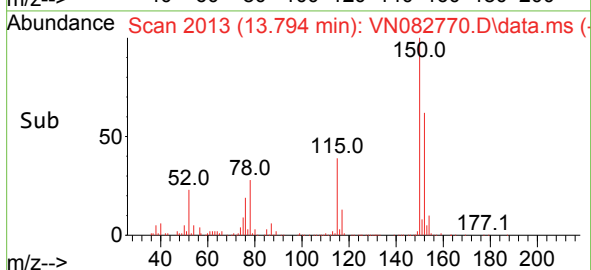
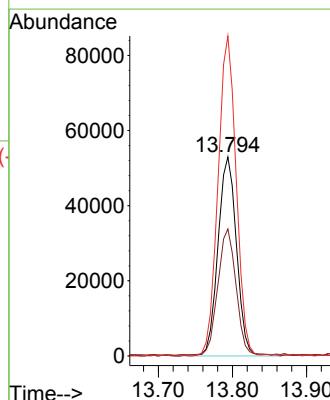
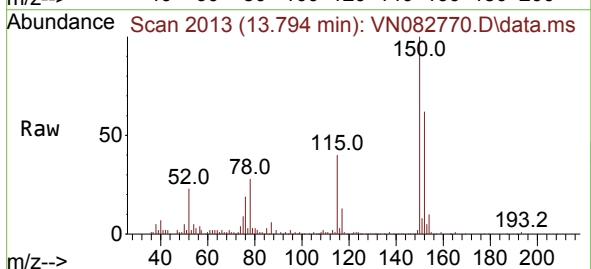
Instrument :
MSVOA_N
ClientSampleId :

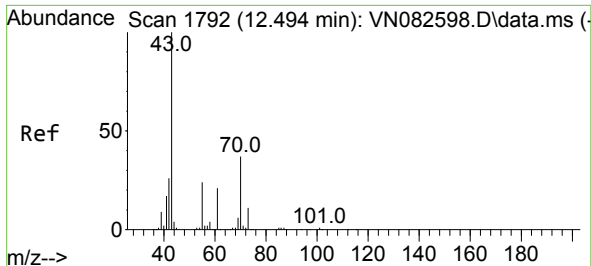
Tgt Ion:106 Resp: 1109
Ion Ratio Lower Upper
106 100
91 244.6 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

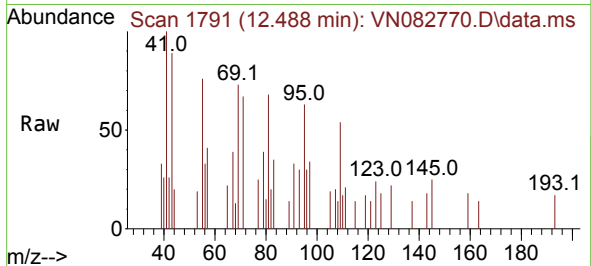
Tgt Ion:152 Resp: 92025
Ion Ratio Lower Upper
152 100
115 62.1 30.6 91.6
150 157.3 0.0 348.6



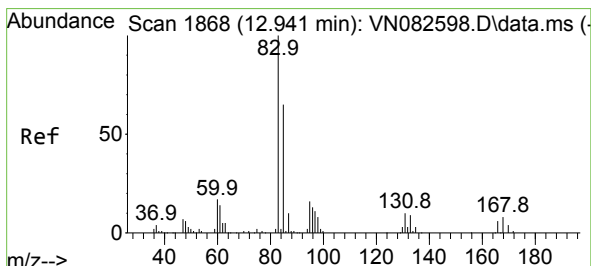
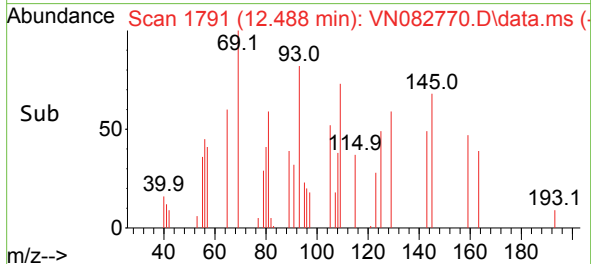
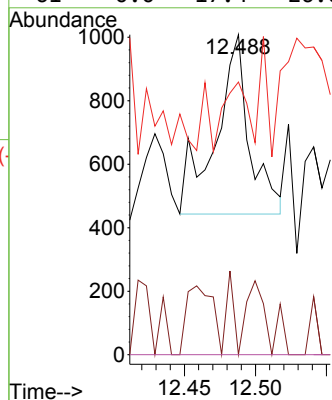


#74
N-amy1 acetate
Concen: 0.310 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Instrument :
MSVOA_N
ClientSampleId :

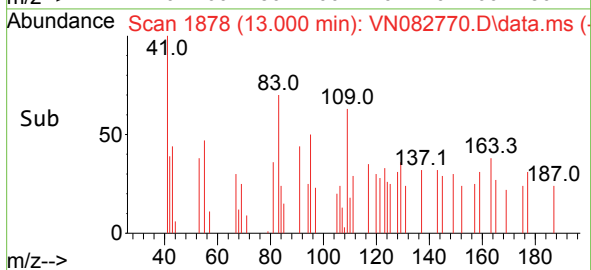
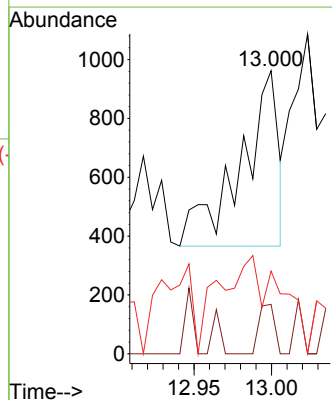
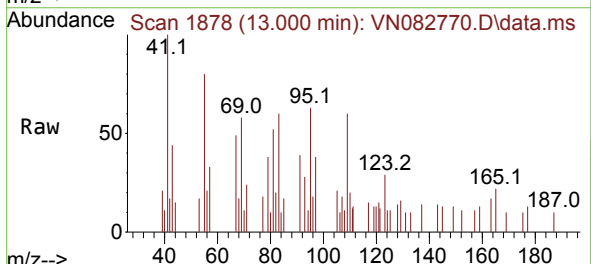


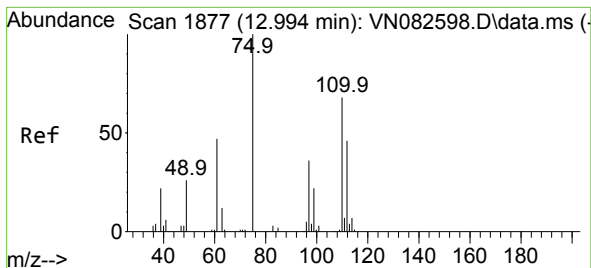
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
70 10.0 29.8 44.6#
55 27.3 18.7 28.1
61 0.0 17.4 26.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.429 ug/l
RT: 13.000 min Scan# 1878
Delta R.T. 0.059 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

Tgt Ion: 83 Resp: 1011
Ion Ratio Lower Upper
83 100
131 11.6 5.0 14.9
85 65.8 31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 26.231 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

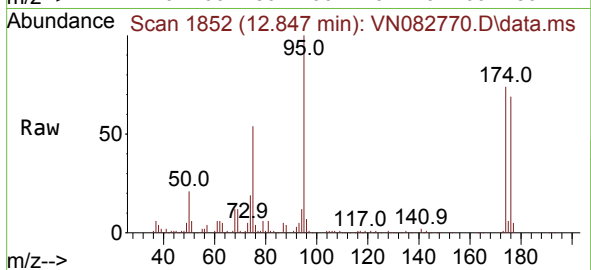
Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

Instrument :

MSVOA_N

ClientSampleId :

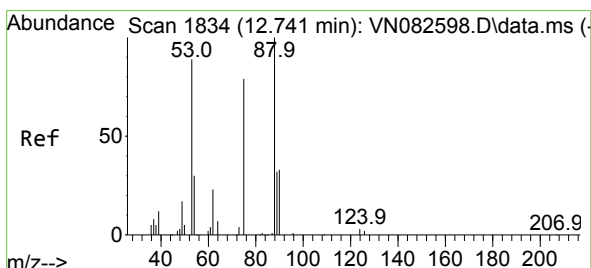
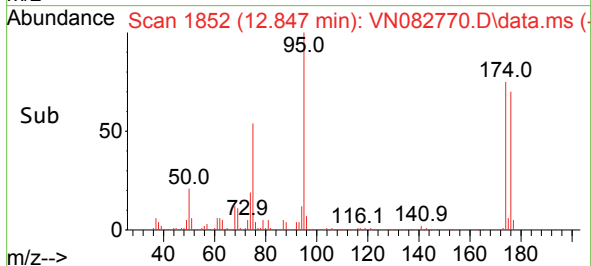
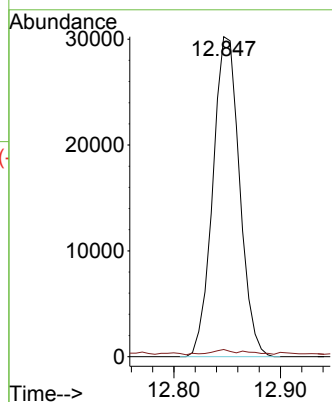


Tgt Ion: 75 Resp: 52652

Ion Ratio Lower Upper

75 100

77 1.3 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.407 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082770.D

Acq: 01 Jul 2024 17:05

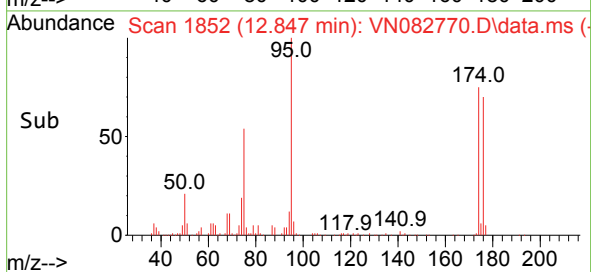
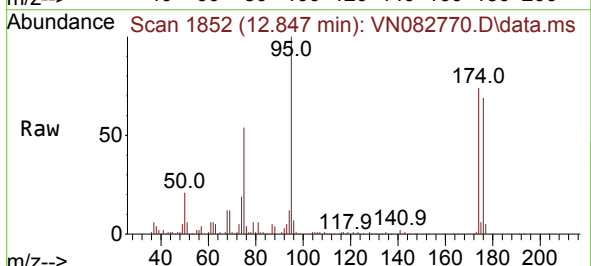
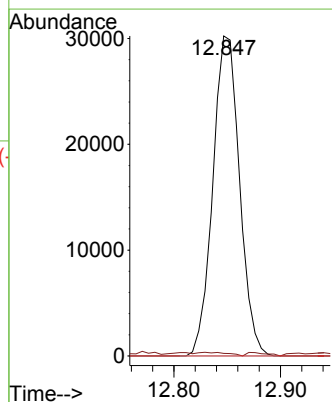
Tgt Ion: 75 Resp: 52652

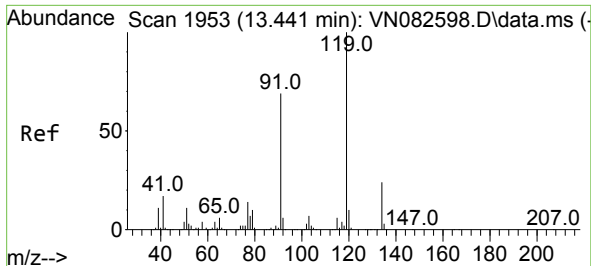
Ion Ratio Lower Upper

75 100

53 1.3 88.4 132.6#

89 0.0 36.3 54.5#

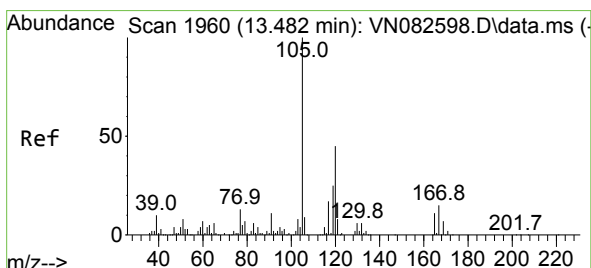
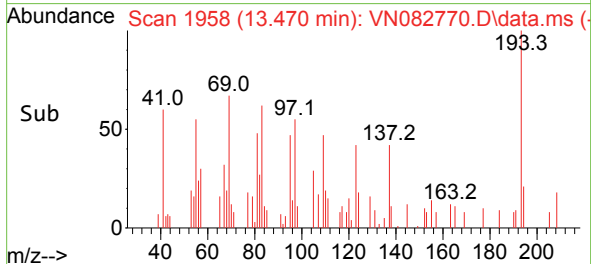
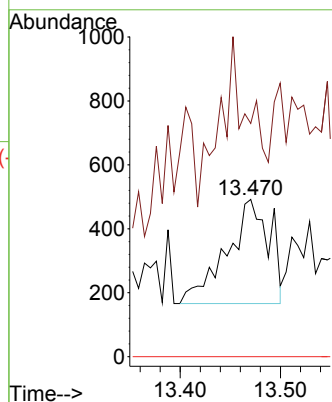
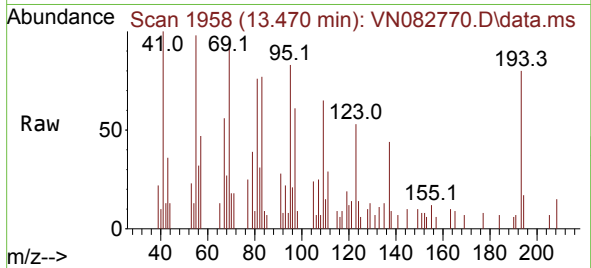




#83
tert-Butylbenzene
Concen: 0.208 ug/l
RT: 13.470 min Scan# 1953
Delta R.T. 0.029 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

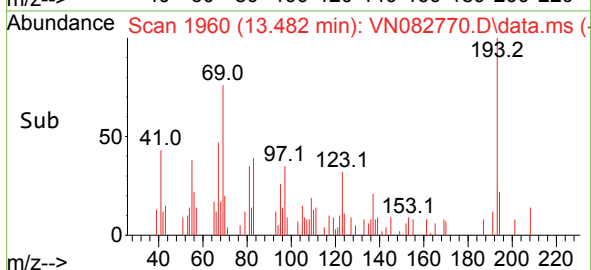
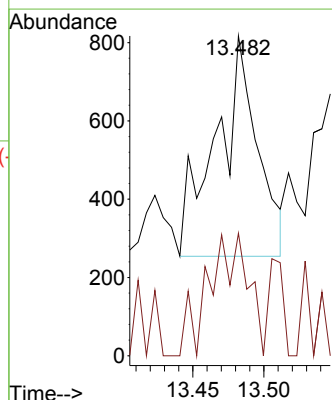
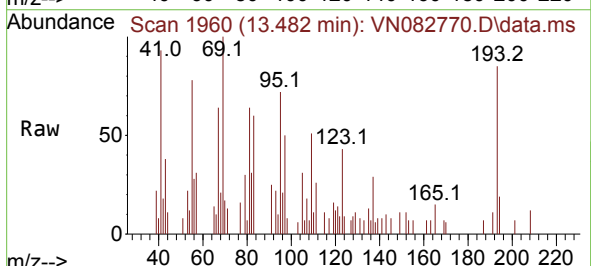
Instrument :
MSVOA_N
ClientSampleId :

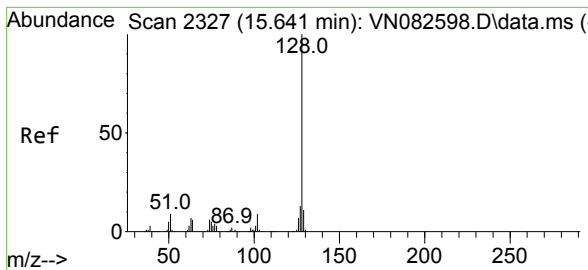
Tgt Ion:119 Resp: 963
Ion Ratio Lower Upper
119 100
91 113.5 35.0 105.1#
134 0.0 13.3 39.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.210 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN082770.D
Acq: 01 Jul 2024 17:05

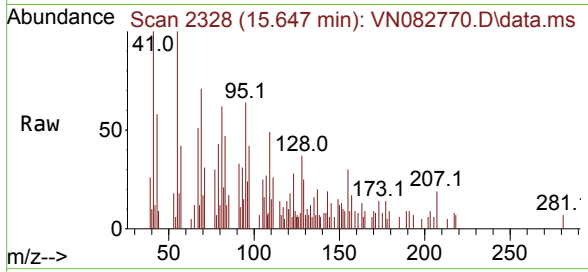
Tgt Ion:105 Resp: 1145
Ion Ratio Lower Upper
105 100
120 52.7 21.9 65.8





#95
 Naphthalene
 Concen: 0.322 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082770.D
 Acq: 01 Jul 2024 17:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1585
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

