

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082802.D
 Acq On : 03 Jul 2024 14:51
 Operator : JC\MD
 Sample : PB161888ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:59:26 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)

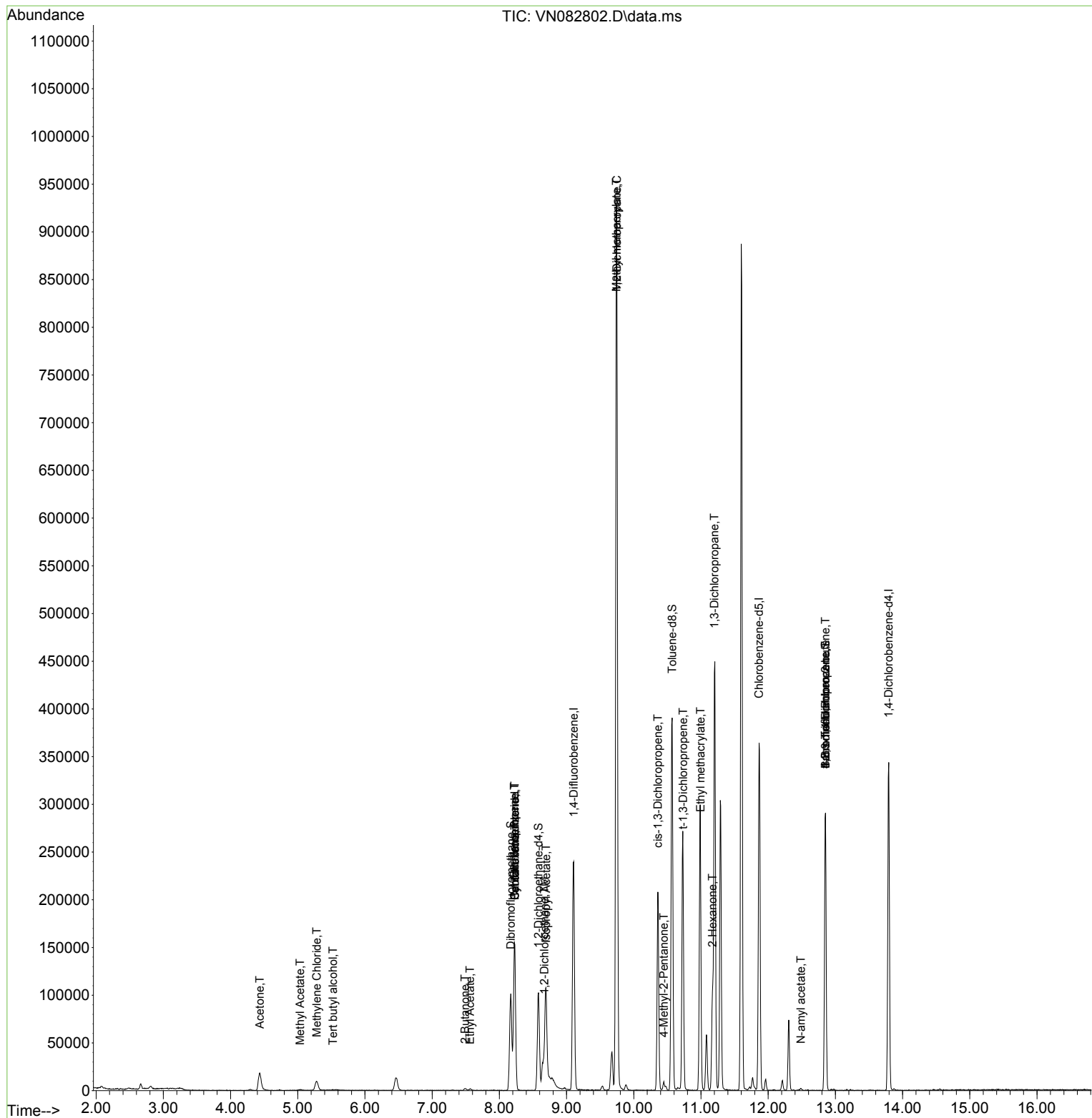
Internal Standards						
1) Pentafluorobenzene	8.229	168	109851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	208730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	208430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	85468	50.451	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.900%			
35) Dibromofluoromethane	8.171	113	71756	52.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%			
50) Toluene-d8	10.570	98	267242	51.998	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.853	95	96648	54.759	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 109.520%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	67	0.248	ug/l #	71
16) Acetone	4.436	43	36501	56.869	ug/l	95
18) Methyl Acetate	5.036	43	1611	0.944	ug/l #	64
20) Methylene Chloride	5.283	84	7872	4.847	ug/l #	77
25) 2-Butanone	7.488	43	3746	3.820	ug/l	98
31) Cyclohexane	8.229	56	2834	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	9639	4.880	ug/l #	51
37) Ethyl Acetate	7.565	43	2823	1.322	ug/l #	78
38) Carbon Tetrachloride	8.229	117	11761	5.091	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	570	0.245	ug/l #	78
43) Isopropyl Acetate	8.694	43	157709	42.437	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1144	0.728	ug/l #	44
48) Methyl methacrylate	9.741	41	86257	52.500	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	9341	4.278	ug/l #	76
53) t-1,3-Dichloropropene	10.735	75	715	0.323	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	36503	15.705	ug/l #	59
56) Ethyl methacrylate	10.994	69	924	0.416	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4688	1.808	ug/l #	43
59) 2-Hexanone	11.170	43	81959	50.619	ug/l #	28
71) Bromoform	12.853	173	771	0.607	ug/l #	1
74) N-amyl acetate	12.488	43	986	0.329	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	55376	27.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55376	71.997	ug/l #	6

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

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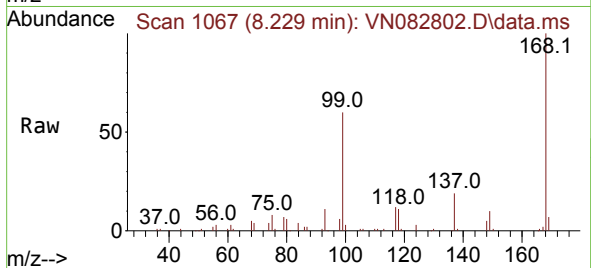
Quant Time: Jul 03 23:59:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
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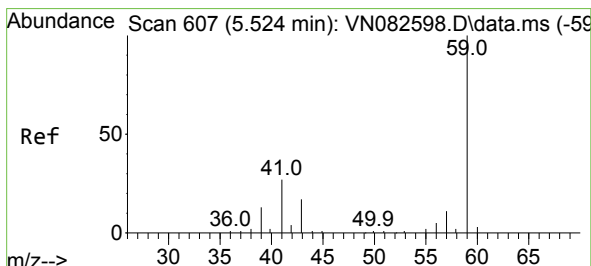
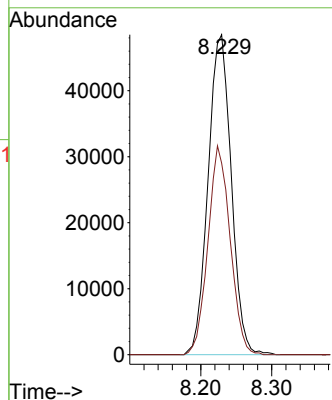
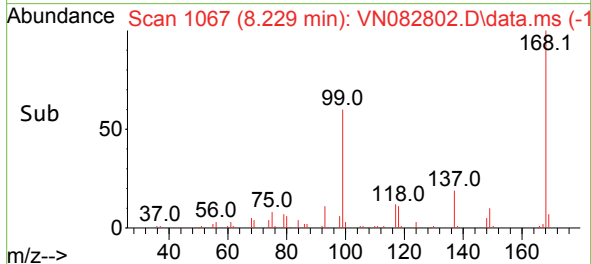


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :

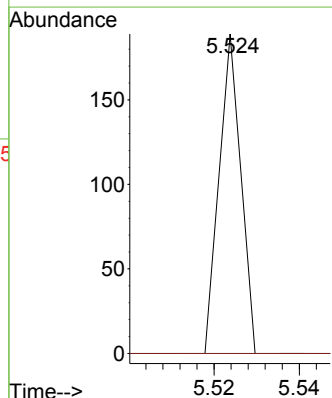
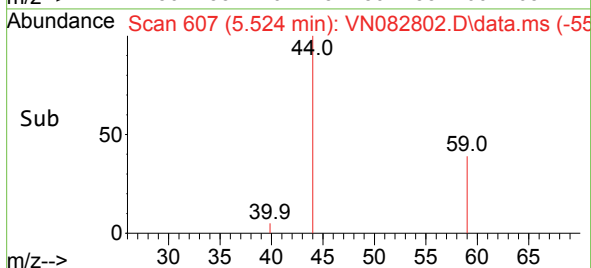
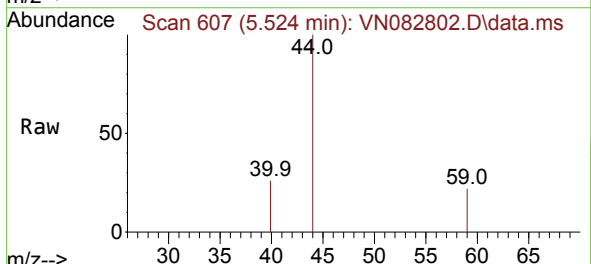


Tgt Ion:168 Resp: 109851
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.248 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 56.869 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

Instrument :

MSVOA_N

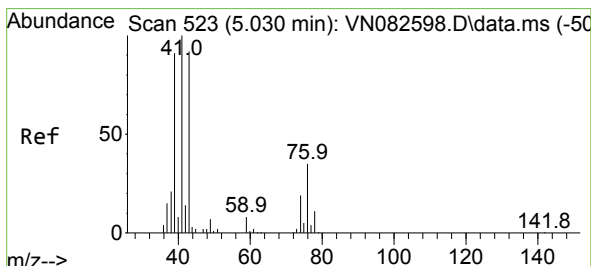
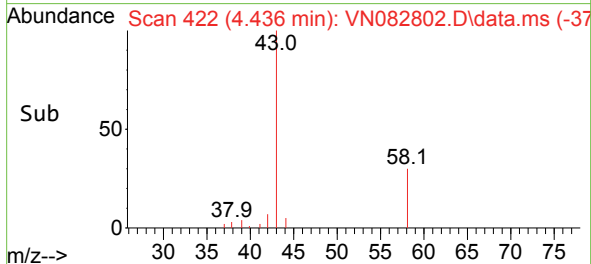
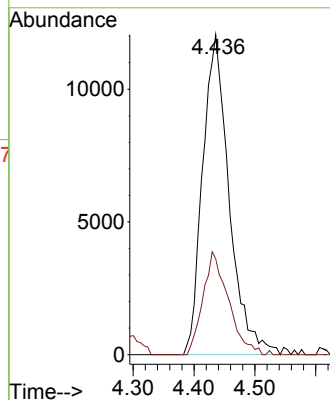
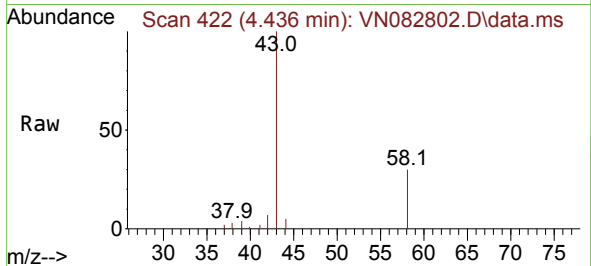
ClientSampleId :

Tgt Ion: 43 Resp: 36501

Ion Ratio Lower Upper

43 100

58 29.9 21.8 32.6



#18

Methyl Acetate

Concen: 0.944 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.006 min

Lab File: VN082802.D

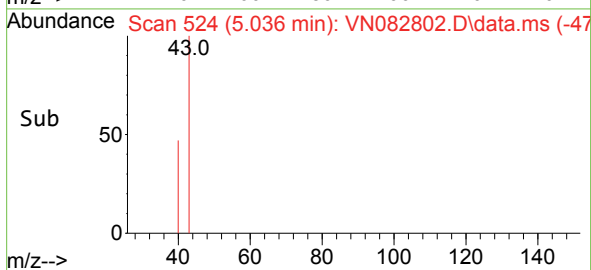
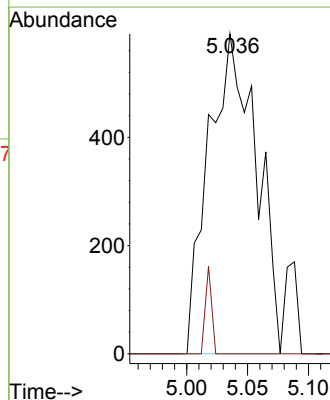
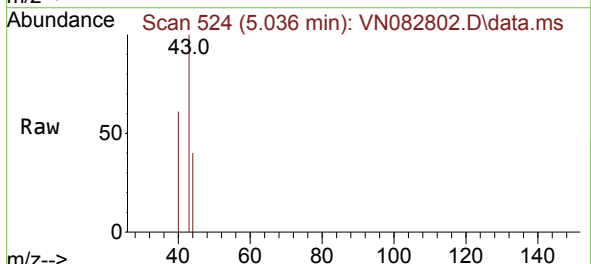
Acq: 03 Jul 2024 14:51

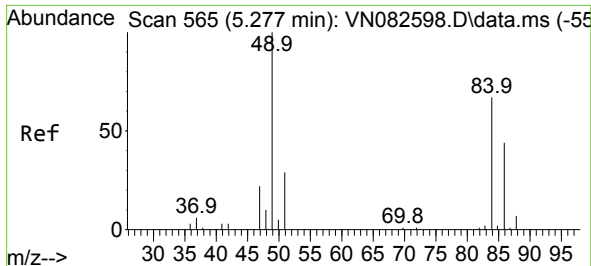
Tgt Ion: 43 Resp: 1611

Ion Ratio Lower Upper

43 100

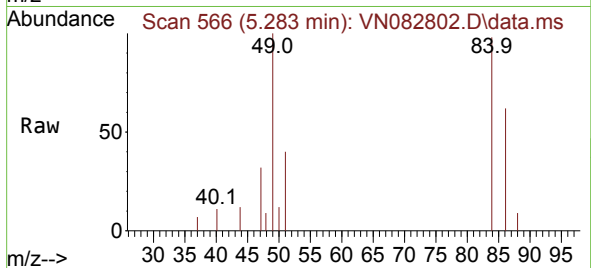
74 3.5 16.3 24.5#





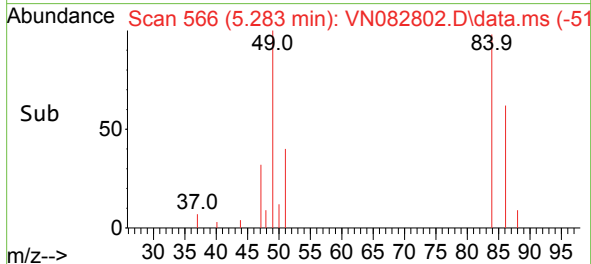
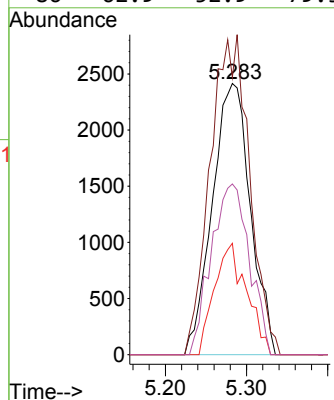
#20
Methylene Chloride
Concen: 4.847 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 7872

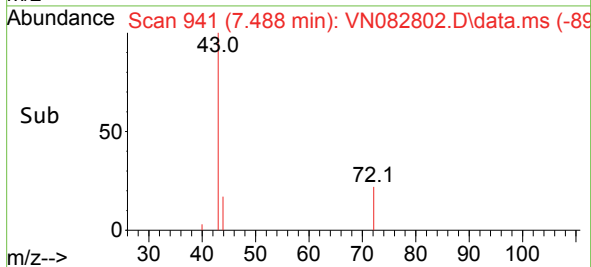
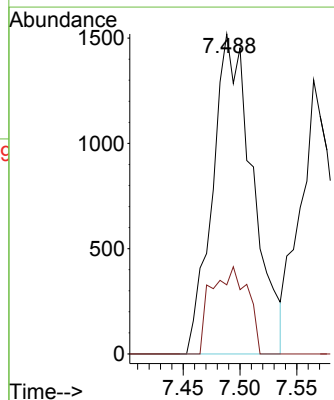
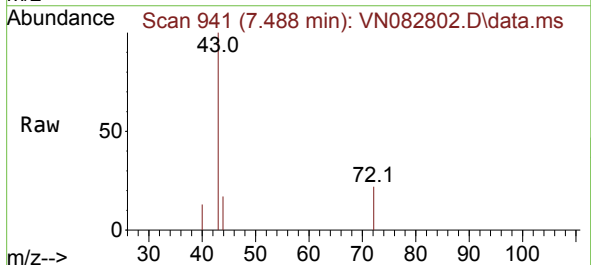
Ion	Ratio	Lower	Upper
84	100		
49	102.3	119.6	179.4#
51	41.0	34.8	52.2
86	62.9	52.9	79.3

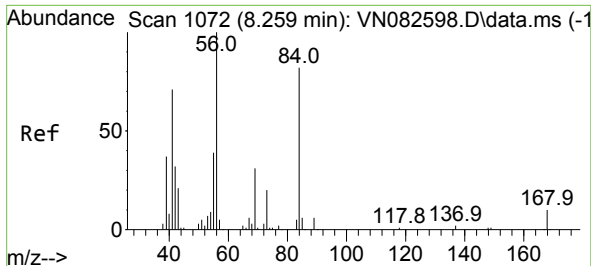


#25
2-Butanone
Concen: 3.820 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 43 Resp: 3746

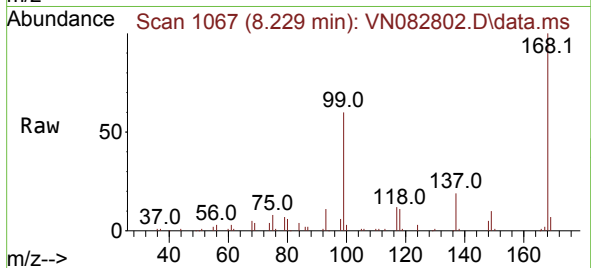
Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.2	27.2



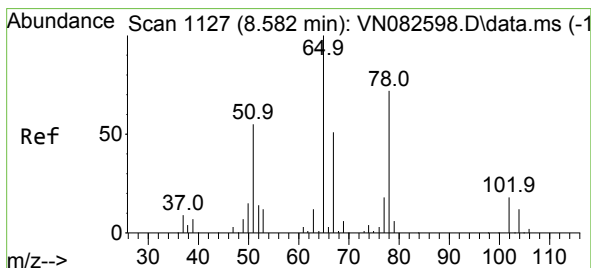
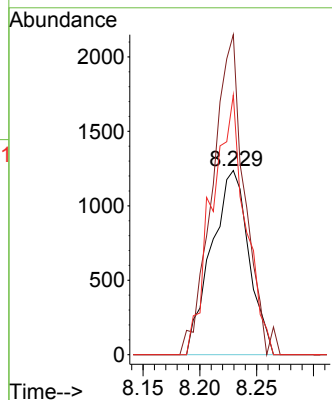
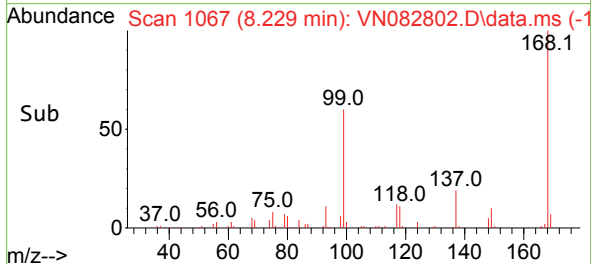


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :

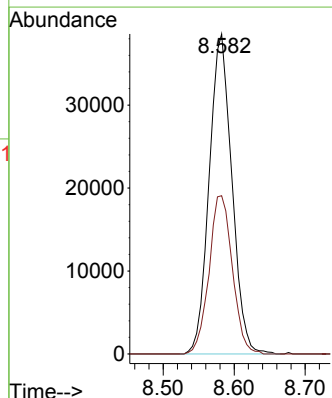
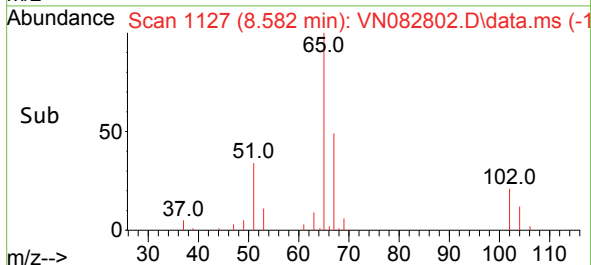
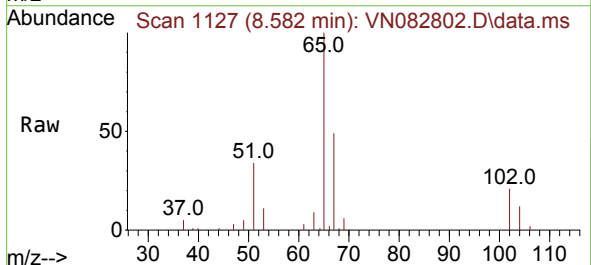


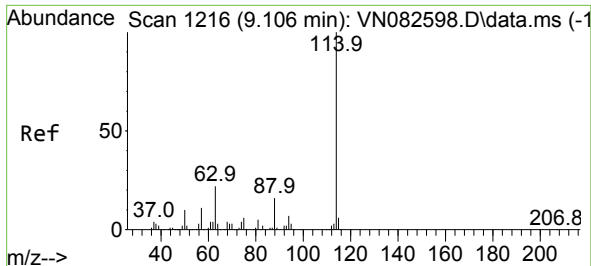
Tgt Ion: 56 Resp: 2834
Ion Ratio Lower Upper
56 100
69 173.7 24.5 36.7#
84 141.0 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 50.451 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 65 Resp: 85468
Ion Ratio Lower Upper
65 100
67 50.9 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

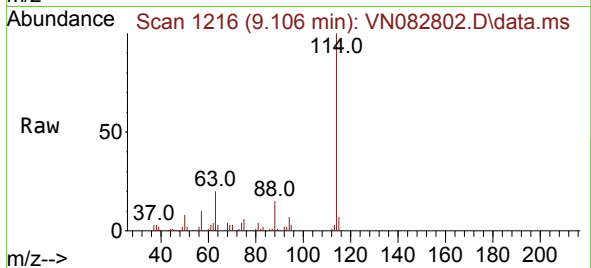
Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

Instrument :

MSVOA_N

ClientSampleId :



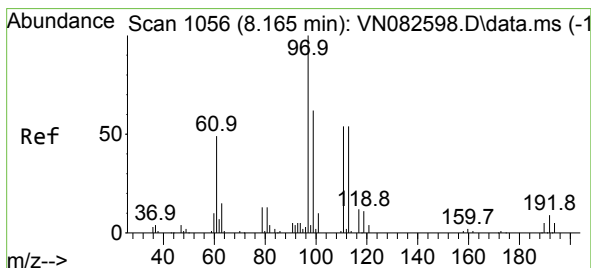
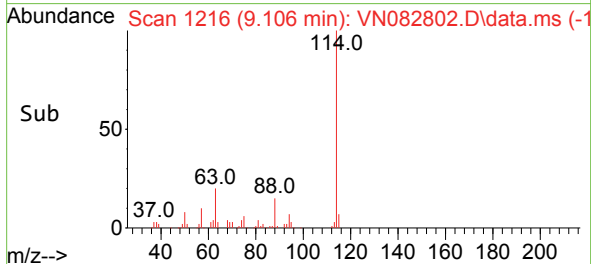
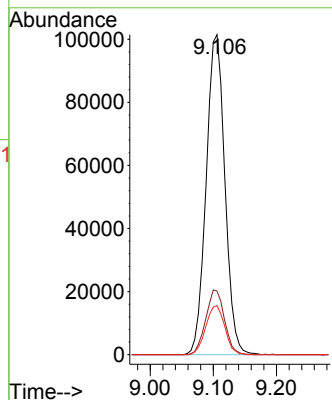
Tgt Ion:114 Resp: 208730

Ion Ratio Lower Upper

114 100

63 19.9 0.0 44.6

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.214 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

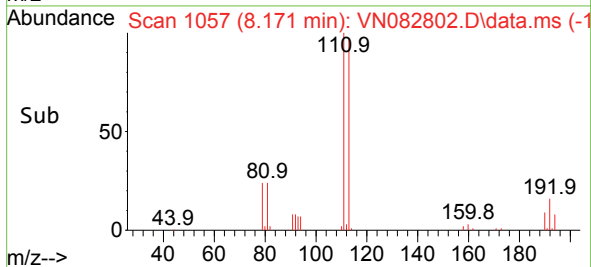
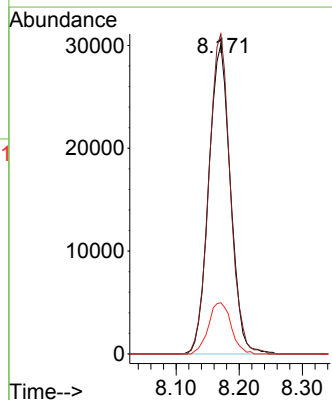
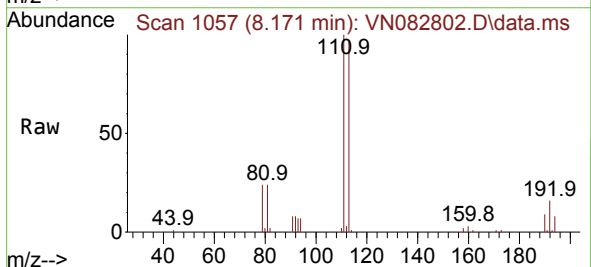
Tgt Ion:113 Resp: 71756

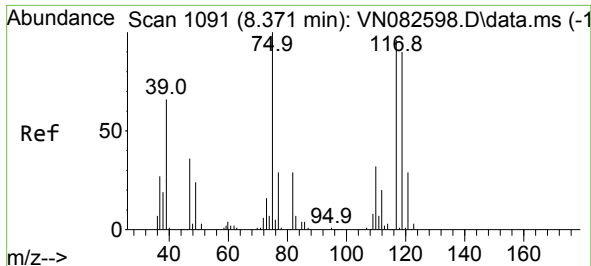
Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

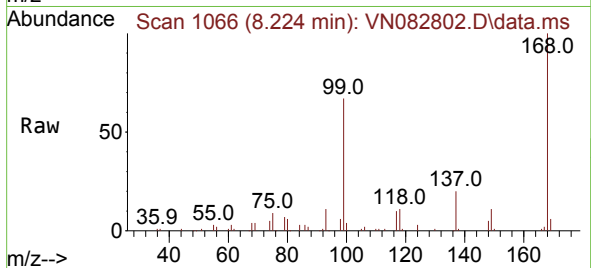
192 17.3 14.9 22.3



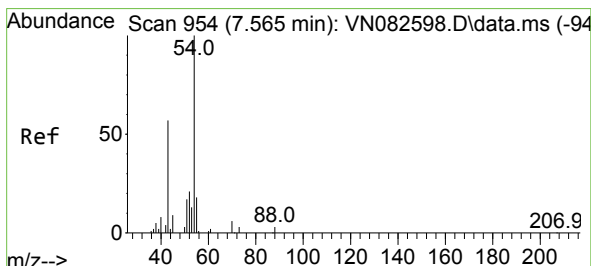
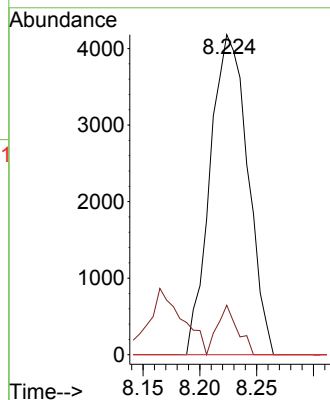
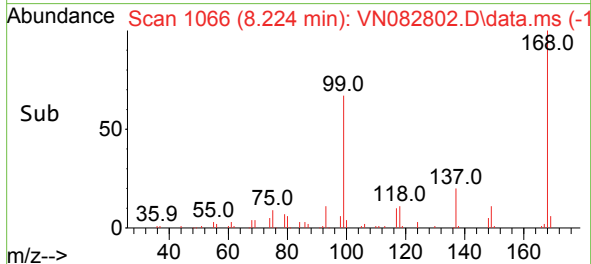


#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :

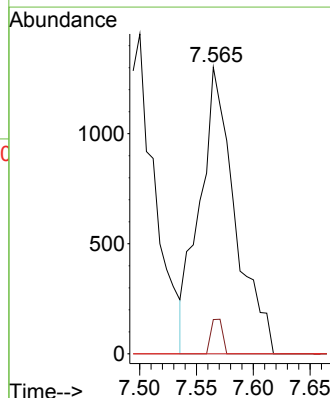
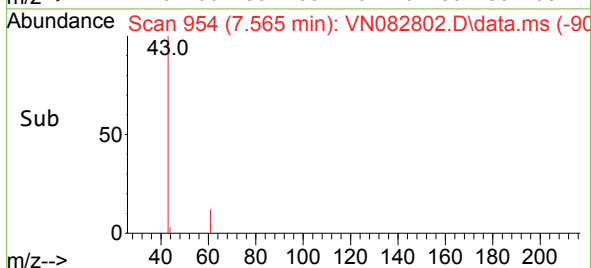
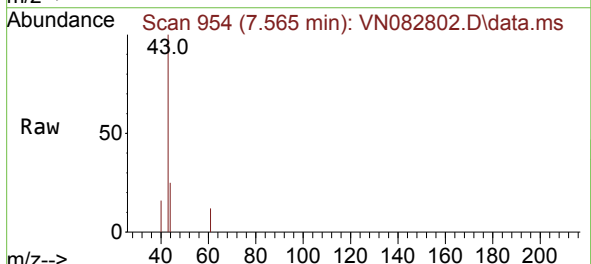


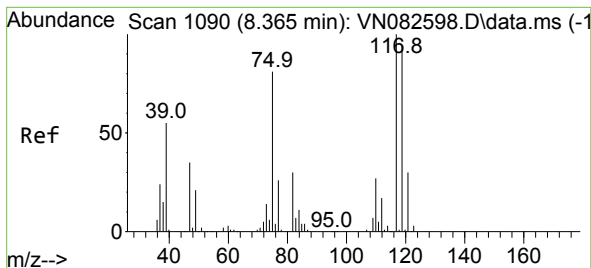
Tgt Ion: 75 Resp: 9639
Ion Ratio Lower Upper
75 100
110 8.4 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.322 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 43 Resp: 2823
Ion Ratio Lower Upper
43 100
61 3.9 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.091 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.136 min

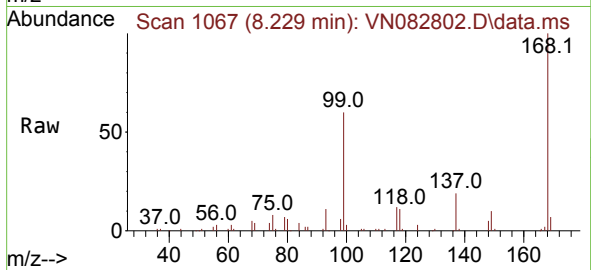
Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

Instrument :

MSVOA_N

ClientSampleId :



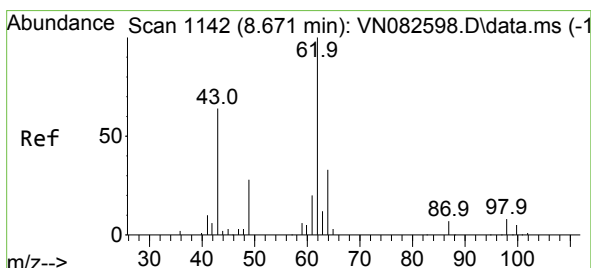
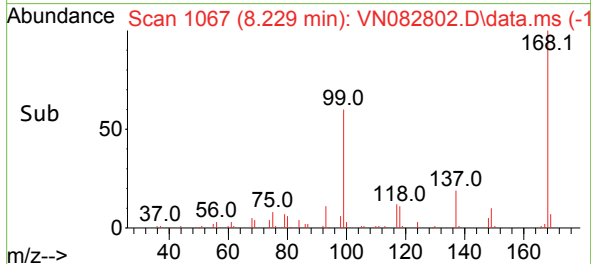
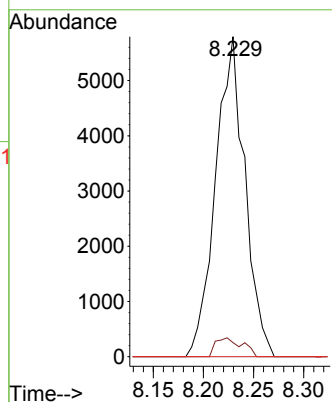
Tgt Ion:117 Resp: 11761

Ion Ratio Lower Upper

117 100

119 4.4 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.245 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN082802.D

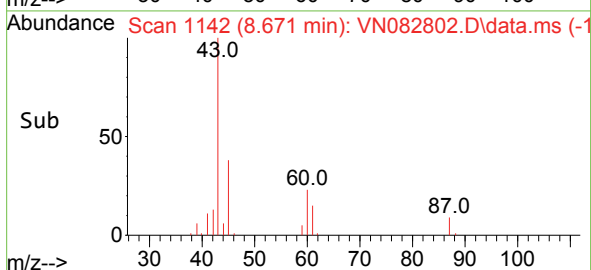
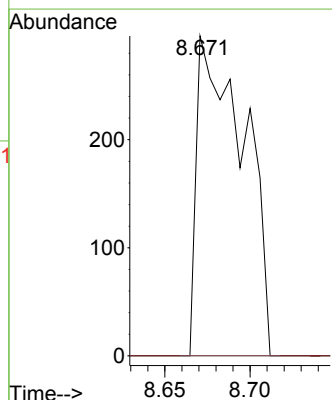
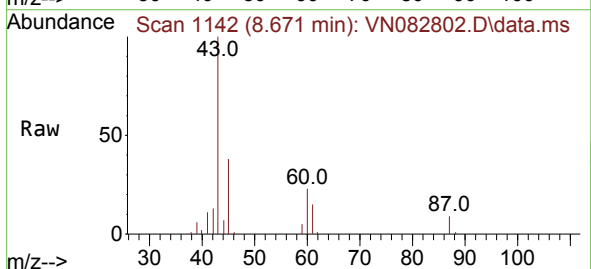
Acq: 03 Jul 2024 14:51

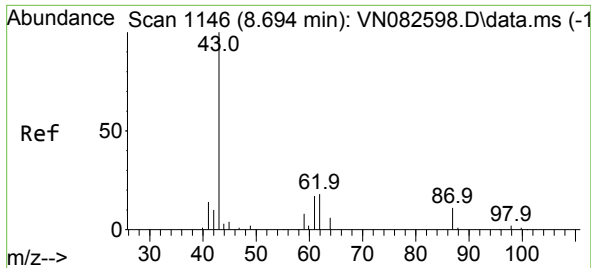
Tgt Ion: 62 Resp: 570

Ion Ratio Lower Upper

62 100

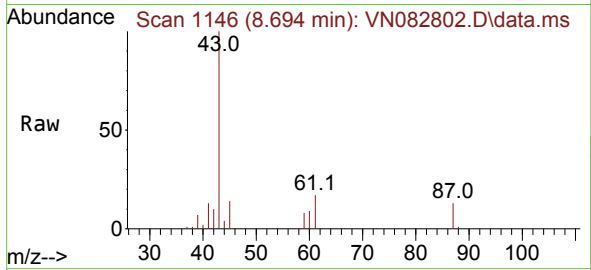
98 0.0 0.0 15.8



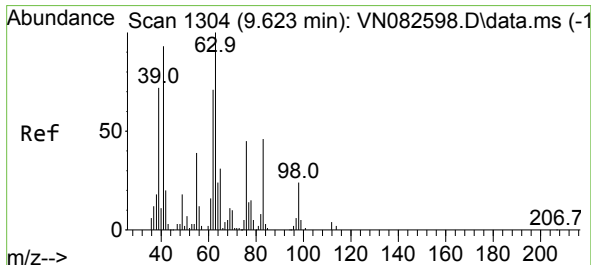
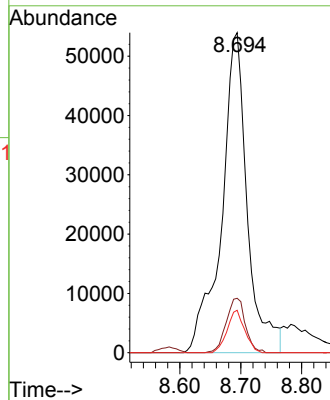
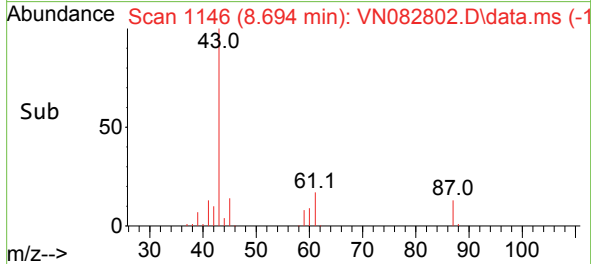


#43
Isopropyl Acetate
Concen: 42.437 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

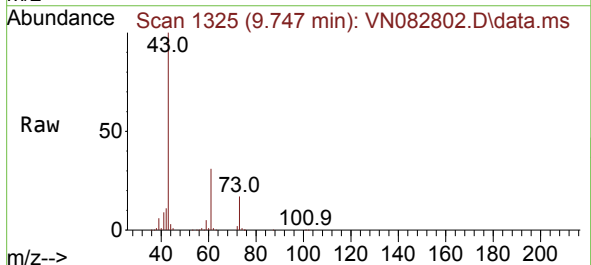
Instrument :
MSVOA_N
ClientSampleId :



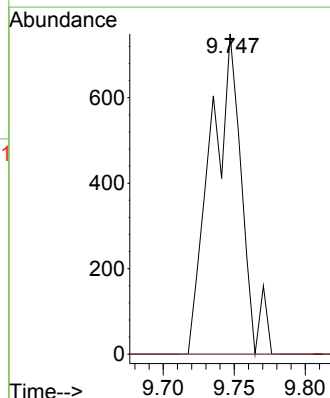
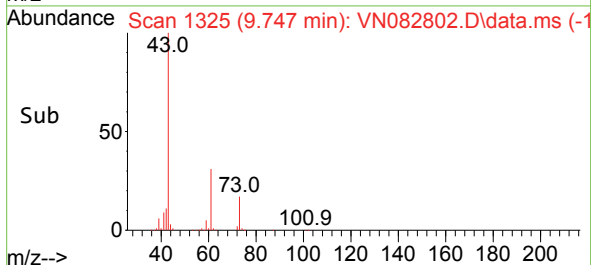
Tgt Ion: 43 Resp: 157709
Ion Ratio Lower Upper
43 100
61 12.7 17.8 26.6#
87 9.1 8.2 12.2

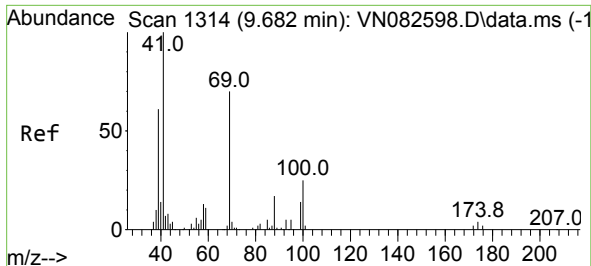


#45
1,2-Dichloropropane
Concen: 0.728 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51



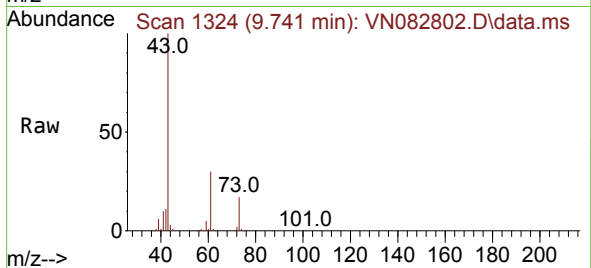
Tgt Ion: 63 Resp: 1144
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



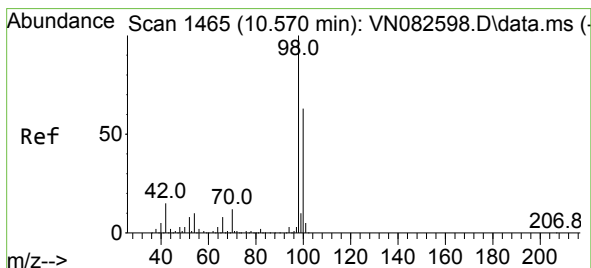
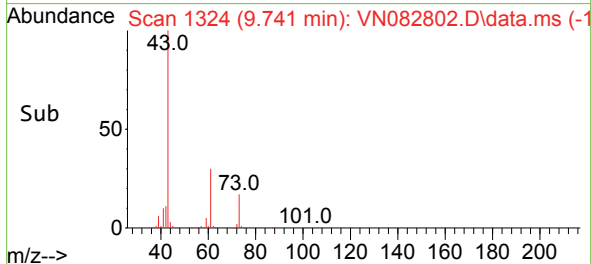
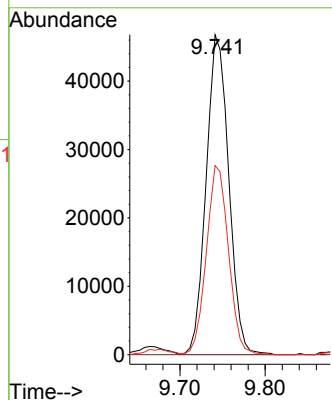


#48
Methyl methacrylate
Concen: 52.500 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :

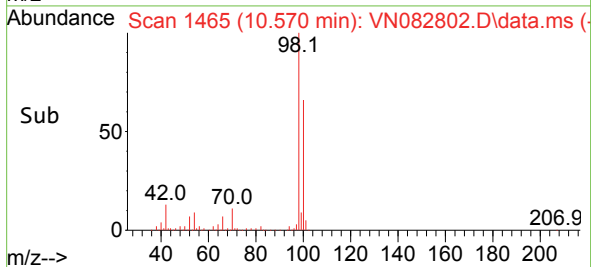
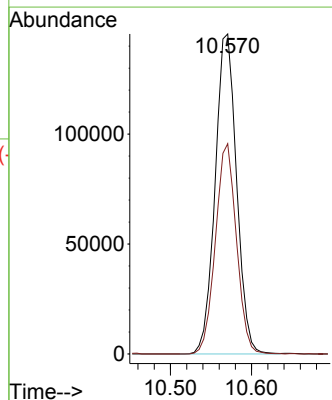
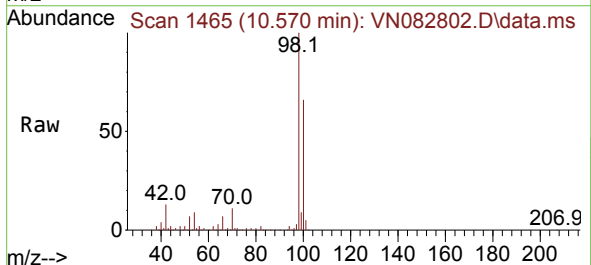


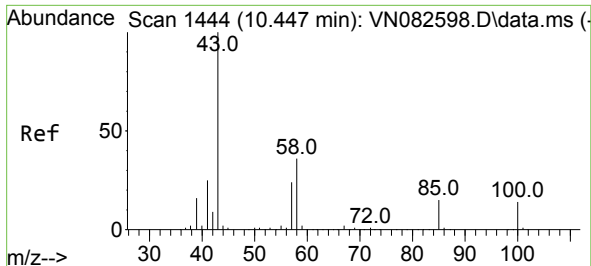
Tgt Ion: 41 Resp: 86257
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 58.0 50.3 75.5



#50
Toluene-d8
Concen: 51.998 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 98 Resp: 267242
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3

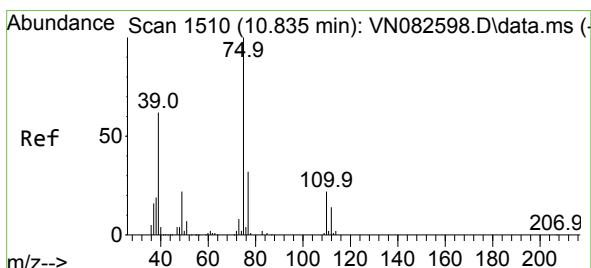
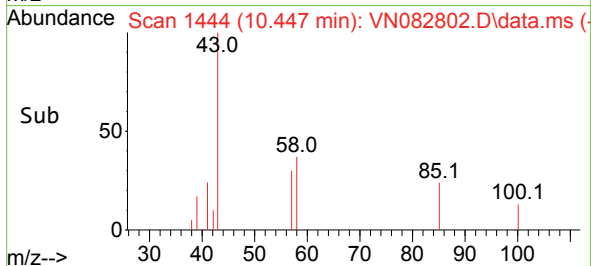
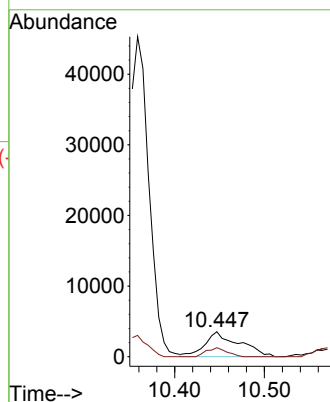
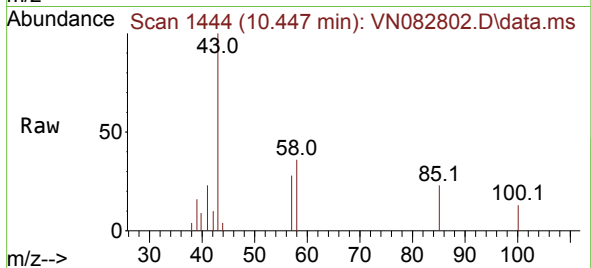




#51
4-Methyl-2-Pentanone
Concen: 4.278 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

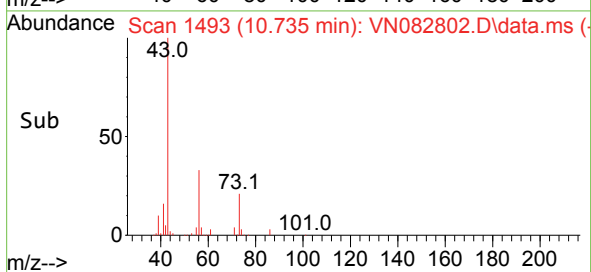
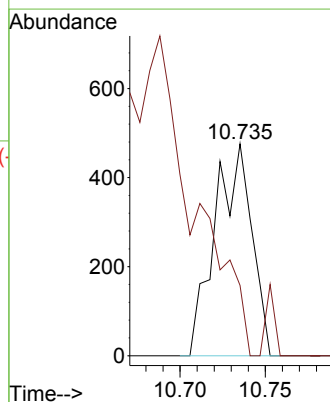
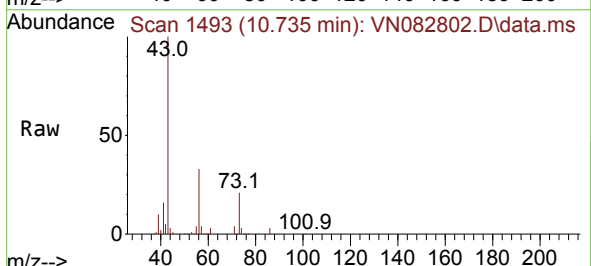
Instrument :
MSVOA_N
ClientSampleId :

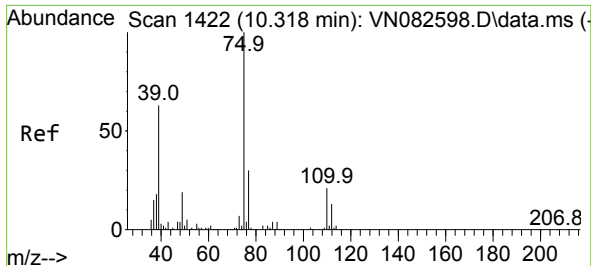
Tgt Ion: 43 Resp: 9341
Ion Ratio Lower Upper
43 100
58 21.3 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

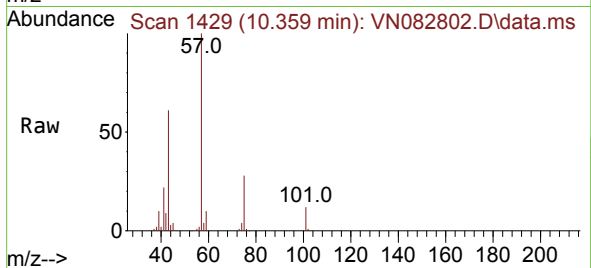
Tgt Ion: 75 Resp: 715
Ion Ratio Lower Upper
75 100
77 33.2 25.7 38.5



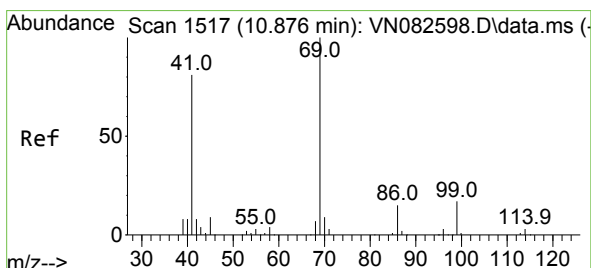
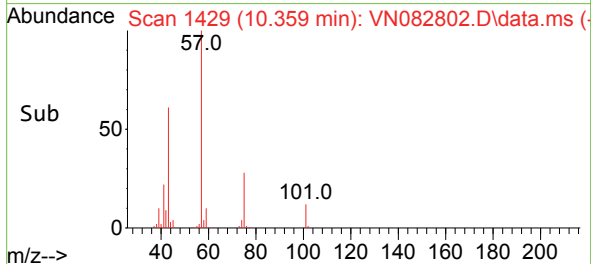
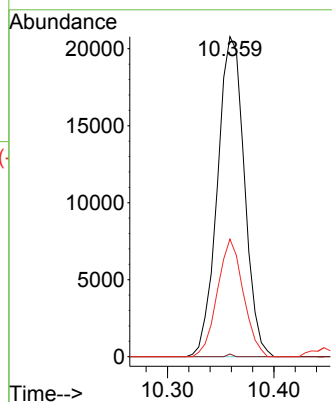


#54
 cis-1,3-Dichloropropene
 Concen: 15.705 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN082802.D
 Acq: 03 Jul 2024 14:51

Instrument :
 MSVOA_N
 ClientSampleId :

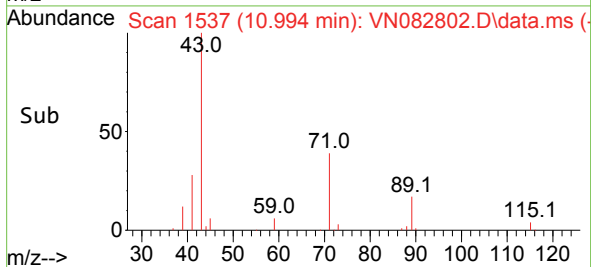
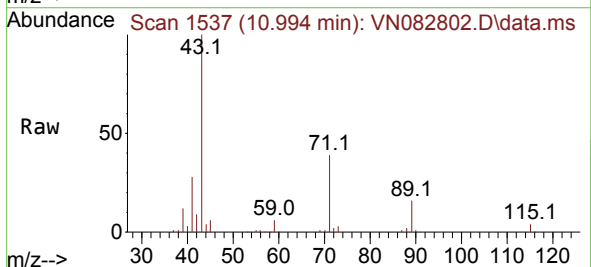
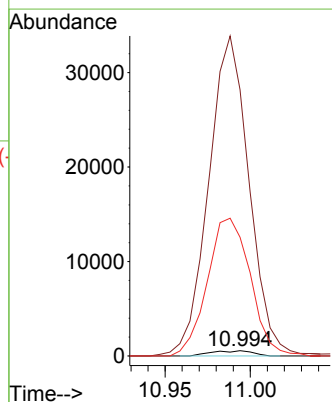


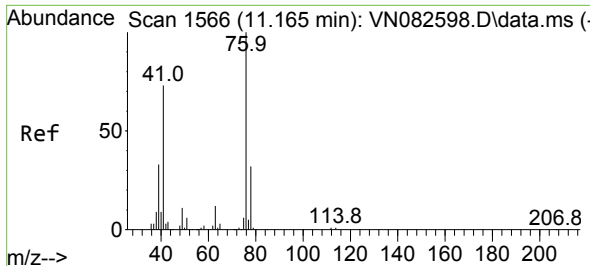
Tgt Ion: 75 Resp: 36503
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 36.8 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.416 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082802.D
 Acq: 03 Jul 2024 14:51

Tgt Ion: 69 Resp: 924
 Ion Ratio Lower Upper
 69 100
 41 6072.0 63.4 95.2#
 39 2771.8 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.808 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

Instrument :

MSVOA_N

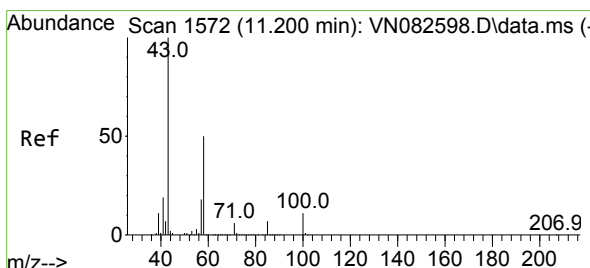
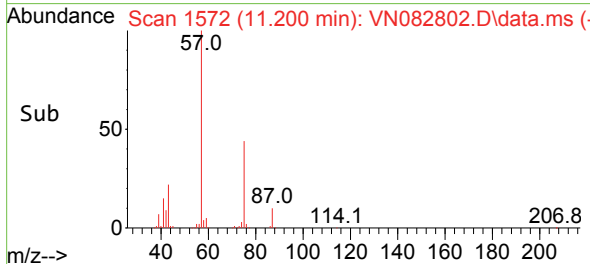
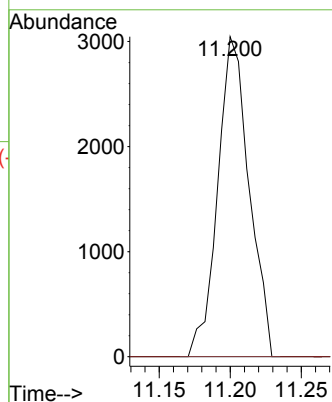
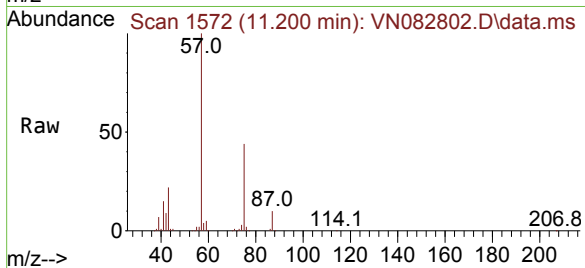
ClientSampleId :

Tgt Ion: 76 Resp: 4688

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 50.619 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.030 min

Lab File: VN082802.D

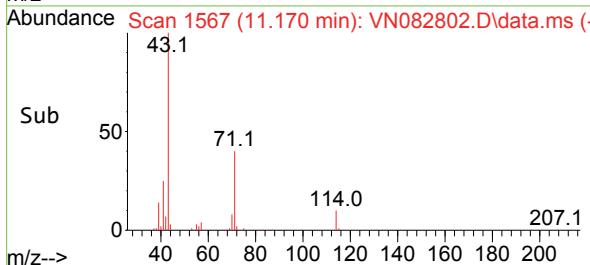
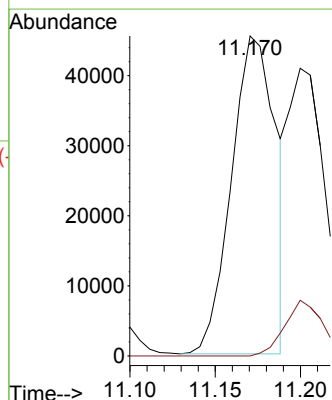
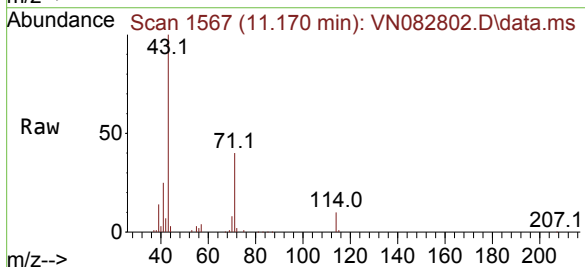
Acq: 03 Jul 2024 14:51

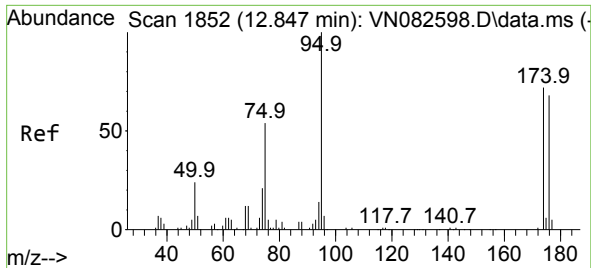
Tgt Ion: 43 Resp: 81959

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

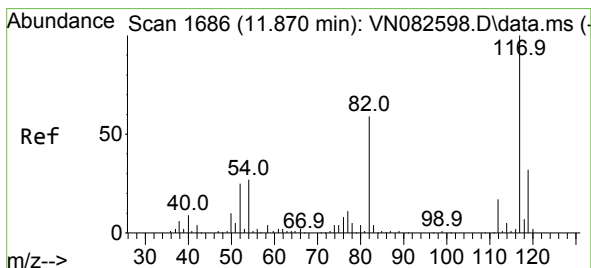
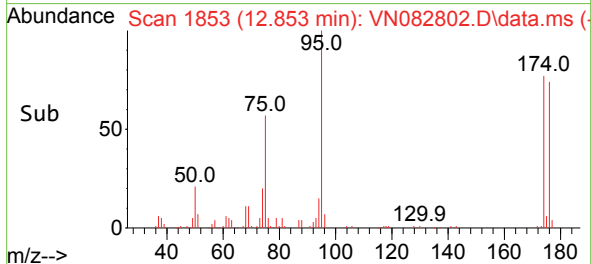
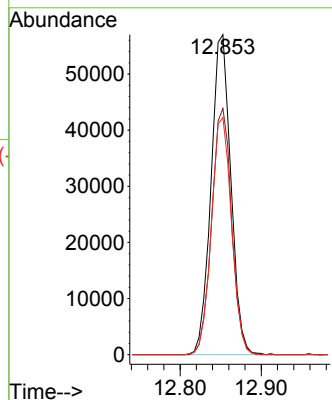
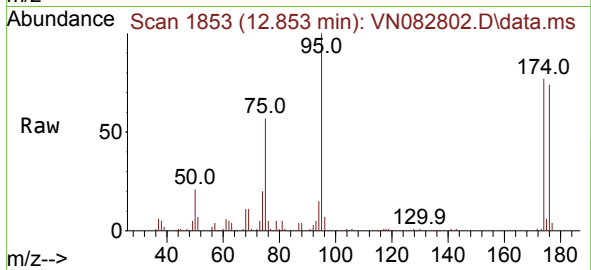




#62
4-Bromofluorobenzene
Concen: 54.759 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

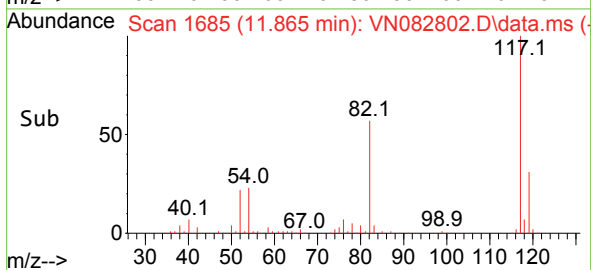
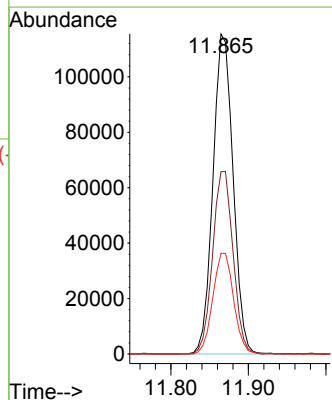
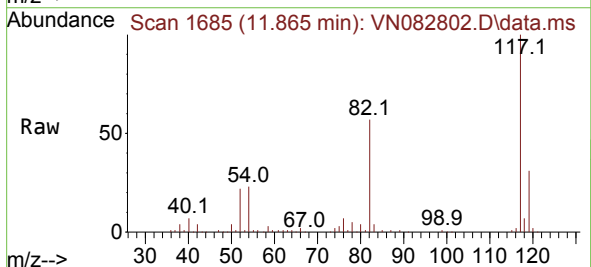
Instrument :
MSVOA_N
ClientSampleId :

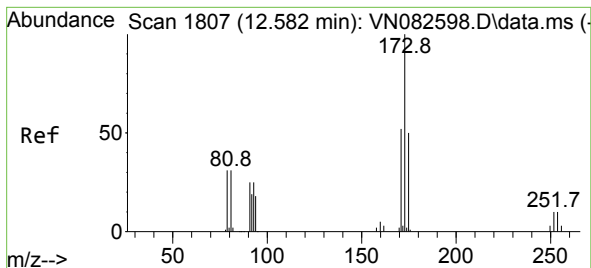
Tgt Ion: 95 Resp: 96648
Ion Ratio Lower Upper
95 100
174 77.5 0.0 159.2
176 75.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Tgt Ion: 117 Resp: 208430
Ion Ratio Lower Upper
117 100
82 56.9 47.5 71.3
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.607 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

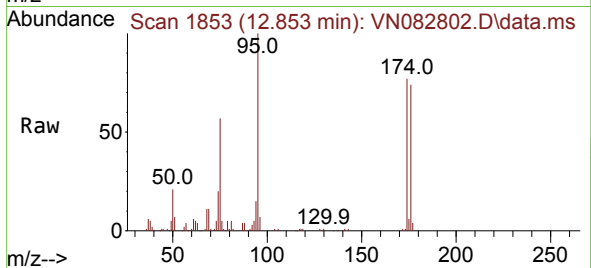
Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

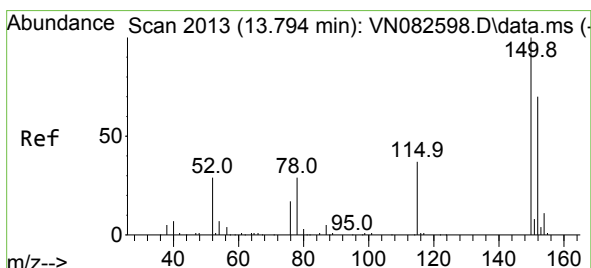
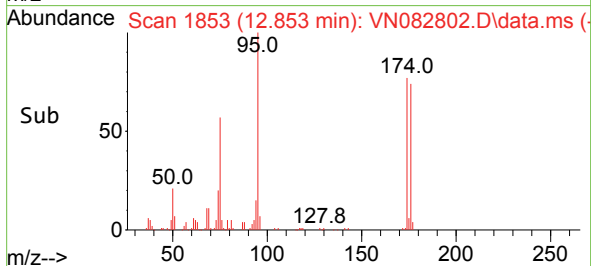
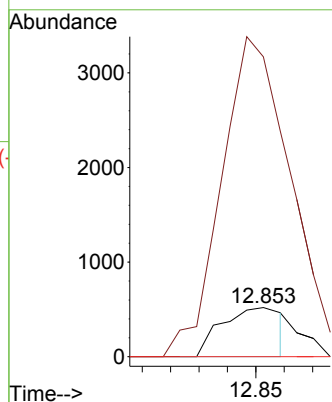
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	771
Ion Ratio	Lower	Upper	
173	100		
175	610.0	24.0	72.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

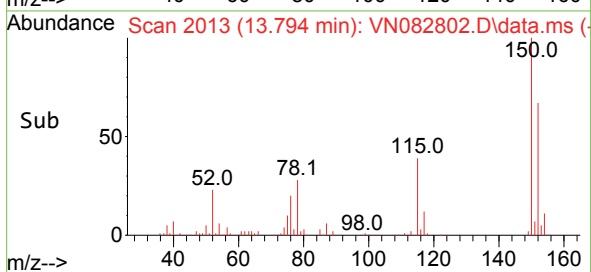
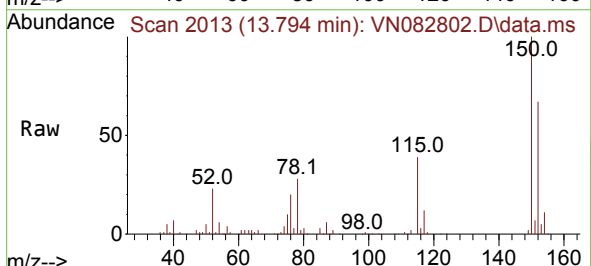
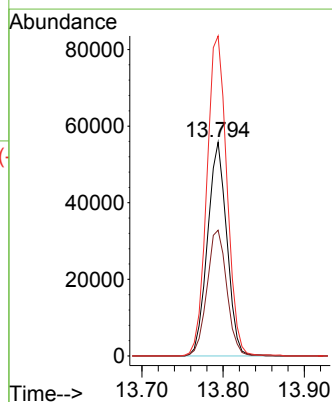
RT: 13.794 min Scan# 2013

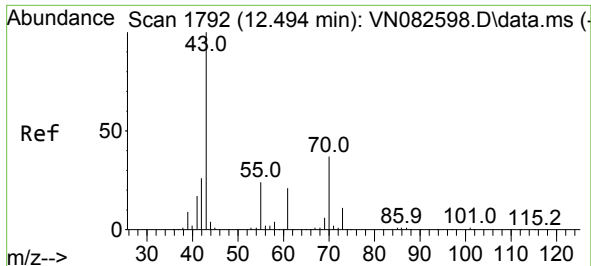
Delta R.T. -0.000 min

Lab File: VN082802.D

Acq: 03 Jul 2024 14:51

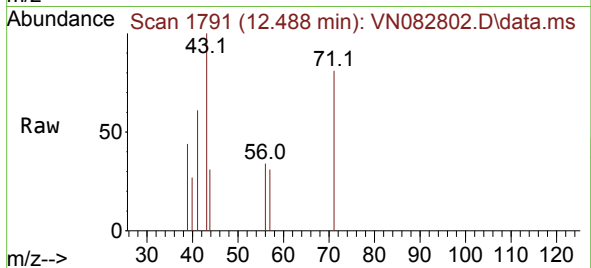
Tgt Ion:	152	Resp:	91960
Ion Ratio	Lower	Upper	
152	100		
115	60.5	30.6	91.6
150	155.3	0.0	348.6



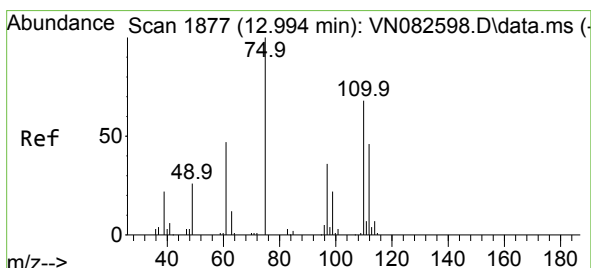
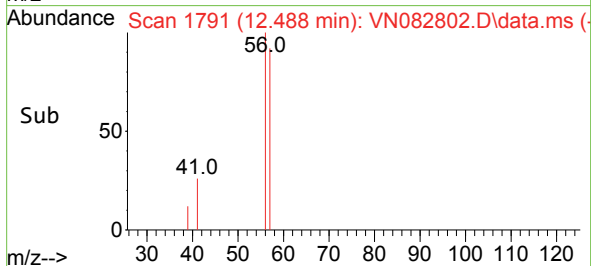
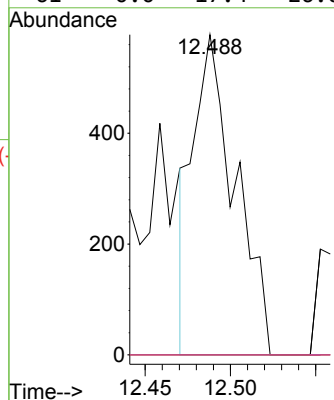


#74
N-amy1 acetate
Concen: 0.329 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

Instrument :
MSVOA_N
ClientSampleId :

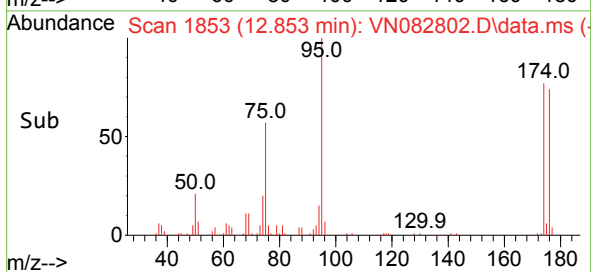
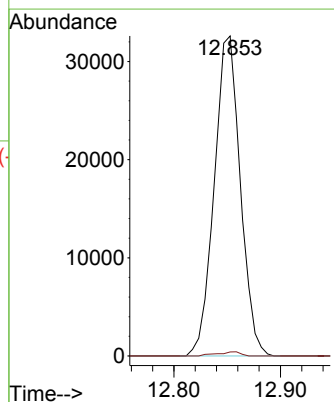
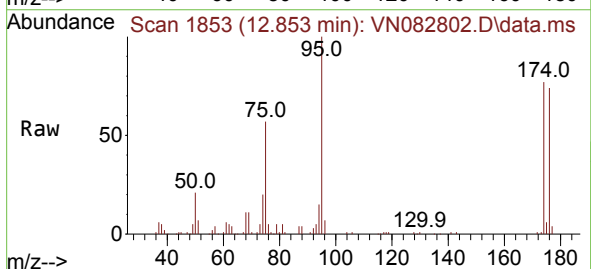


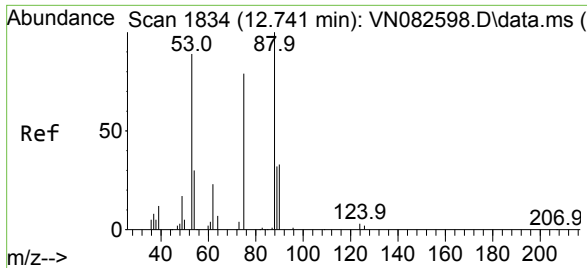
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 27.607 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082802.D
Acq: 03 Jul 2024 14:51

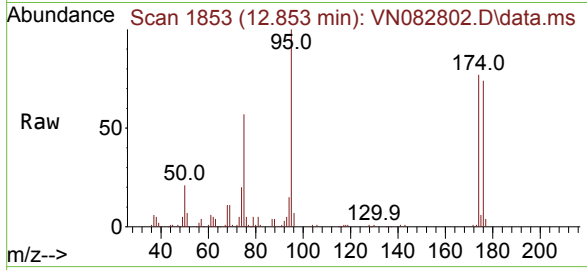
Tgt Ion: 75 Resp: 55376
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.997 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082802.D
 Acq: 03 Jul 2024 14:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 55376
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

