

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070124\
 Data File : VN082774.D
 Acq On : 01 Jul 2024 18:42
 Operator : JC\MD
 Sample : PB161815ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 00:12:29 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

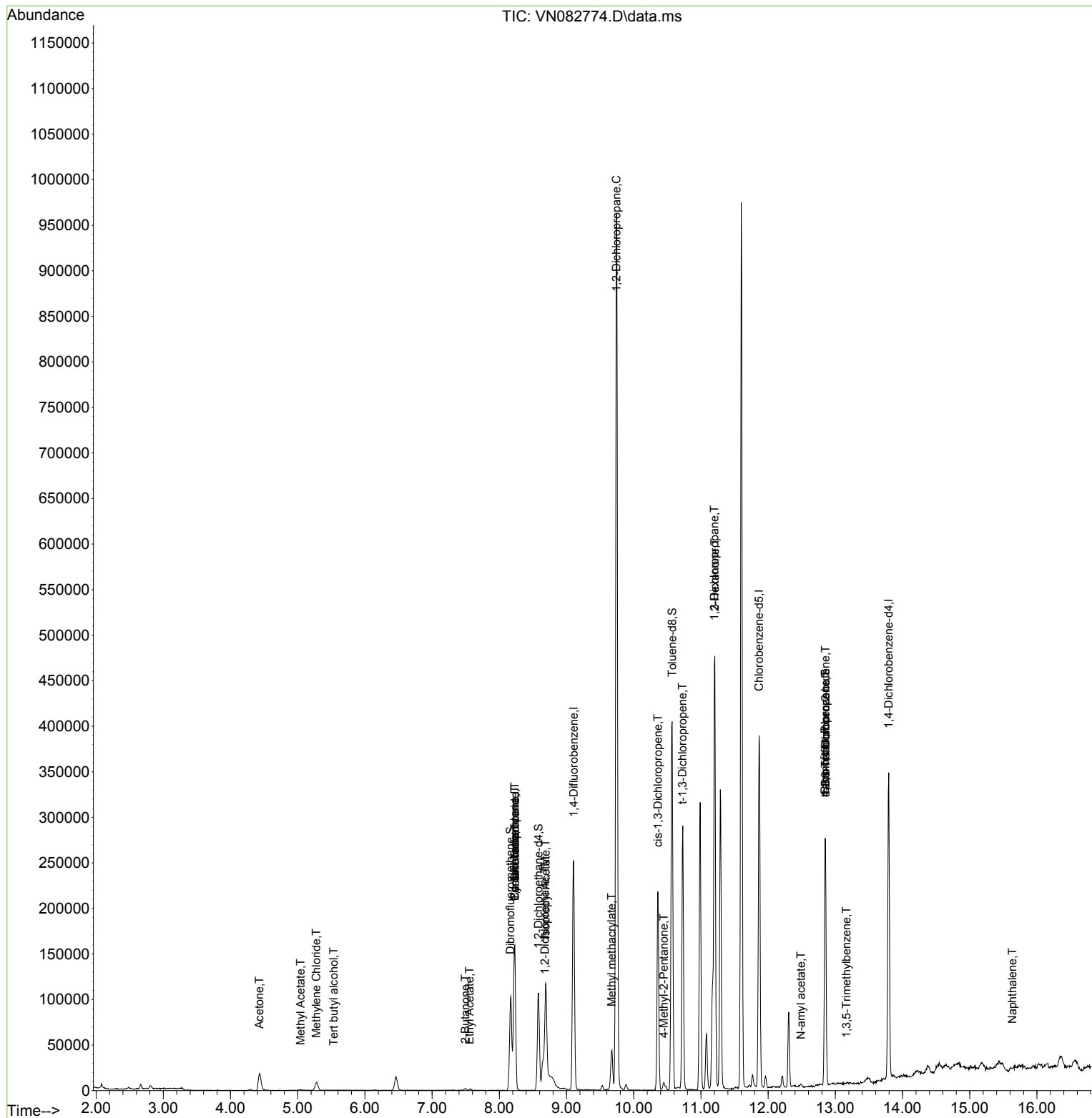
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

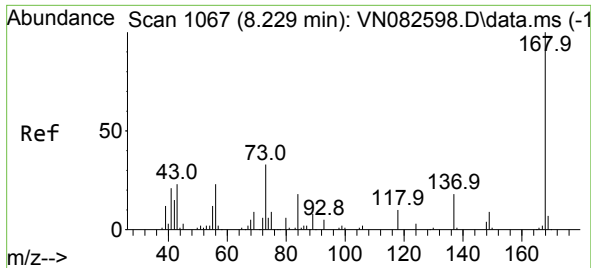
Internal Standards						
1) Pentafluorobenzene	8.230	168	114870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	219096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	88217	49.799	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.600%
35) Dibromofluoromethane	8.165	113	73315	50.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.640%
50) Toluene-d8	10.571	98	280325	51.963	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.920%
62) 4-Bromofluorobenzene	12.853	95	92230	49.783	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	99.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	111	0.392	ug/l #	71
16) Acetone	4.430	43	36304	54.091	ug/l	93
18) Methyl Acetate	5.042	43	1477	0.828	ug/l #	56
20) Methylene Chloride	5.277	84	7562	4.453	ug/l #	74
25) 2-Butanone	7.494	43	3843	3.748	ug/l #	79
31) Cyclohexane	8.230	56	2723	1.091	ug/l #	34
36) 1,1-Dichloropropene	8.230	75	9972	4.810	ug/l #	51
37) Ethyl Acetate	7.559	43	2813	1.255	ug/l #	82
38) Carbon Tetrachloride	8.230	117	12641	5.213	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	619	0.253	ug/l #	78
43) Isopropyl Acetate	8.688	43	169133	43.341	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1138	0.690	ug/l #	44
48) Methyl methacrylate	9.671	41	2968	1.721	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	9389	4.096	ug/l #	77
53) t-1,3-Dichloropropene	10.724	75	584	0.252	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	39863	16.339	ug/l #	56
57) 1,3-Dichloropropane	11.200	76	4981	1.830	ug/l #	43
59) 2-Hexanone	11.206	43	63876	37.584	ug/l #	58
71) Bromoform	12.847	173	738	0.550	ug/l #	1
74) N-amyl acetate	12.488	43	1648	0.580	ug/l #	54
76) 1,2,3-Trichloropropane	12.853	75	51626	27.129	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.165	105	1421	0.272	ug/l #	56
81) trans-1,4-Dichloro-2-b...	12.853	75	51626	70.750	ug/l #	6
95) Naphthalene	15.635	128	1257	0.270	ug/l #	75

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

Instrument :
MSVOA_N
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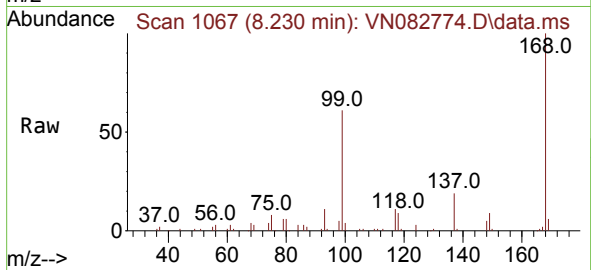
Instrument :
MSVOA_N
ClientSampleId :



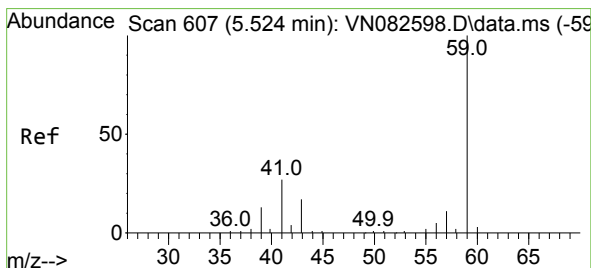
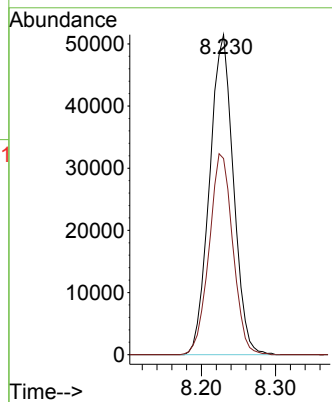
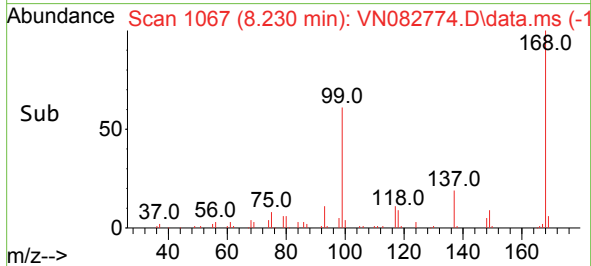


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

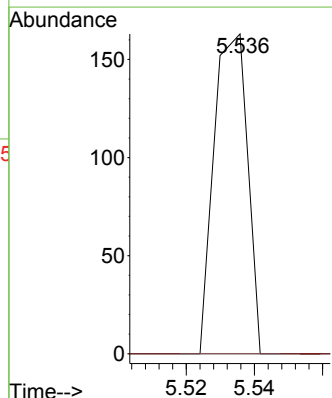
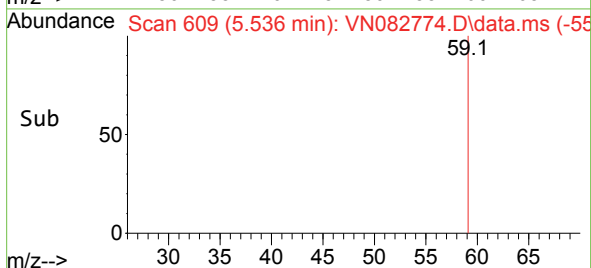
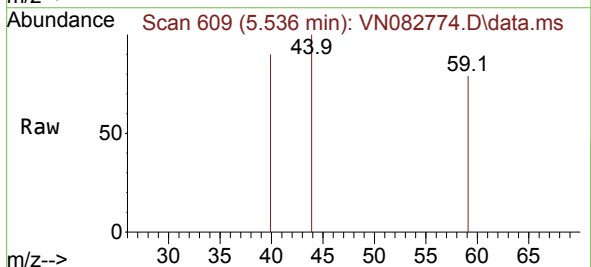


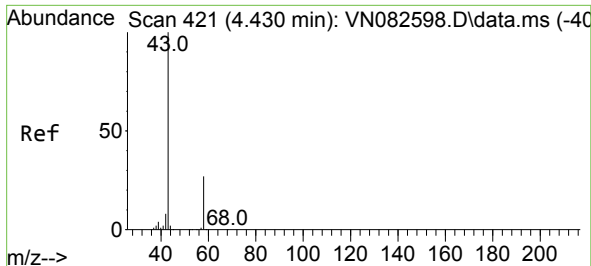
Tgt Ion:168 Resp: 114870
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.392 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

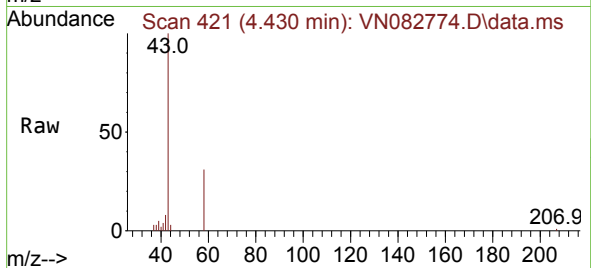
Tgt Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



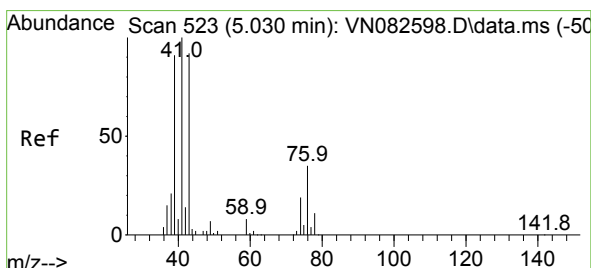
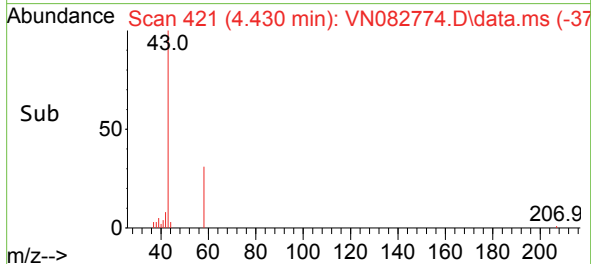
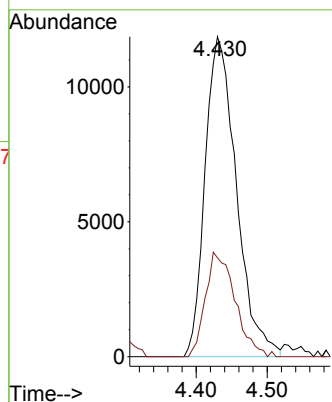


#16
Acetone
Concen: 54.091 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

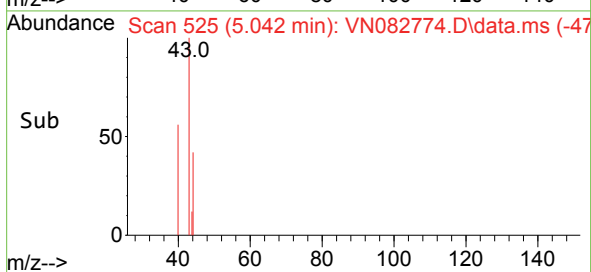
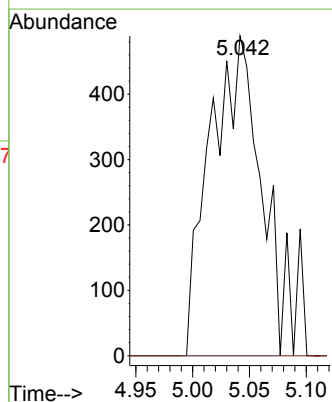
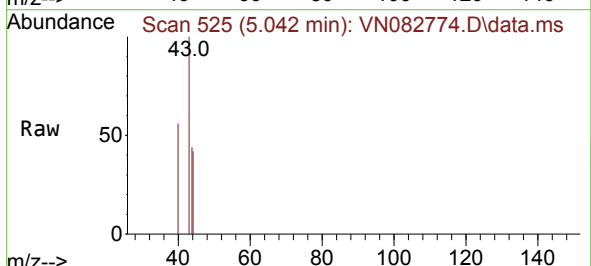


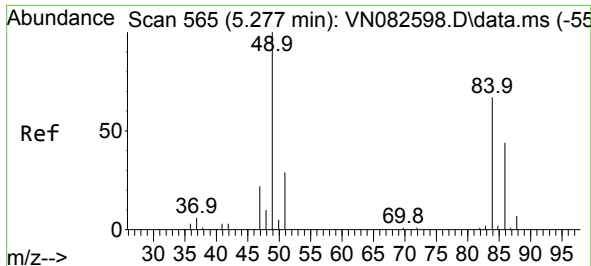
Tgt Ion: 43 Resp: 36304
Ion Ratio Lower Upper
43 100
58 30.9 21.8 32.6



#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

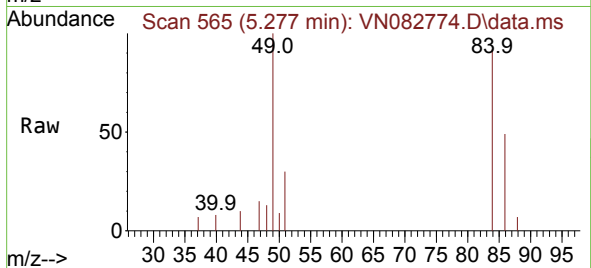
Tgt Ion: 43 Resp: 1477
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



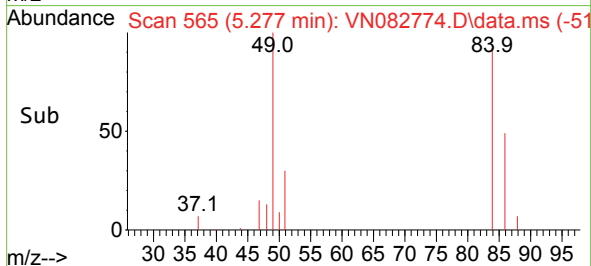
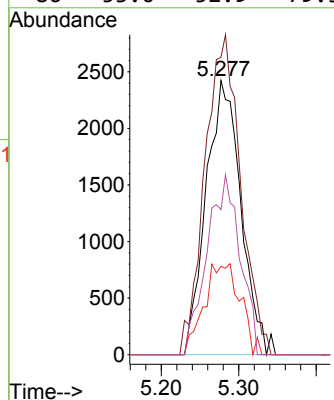


#20
Methylene Chloride
Concen: 4.453 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

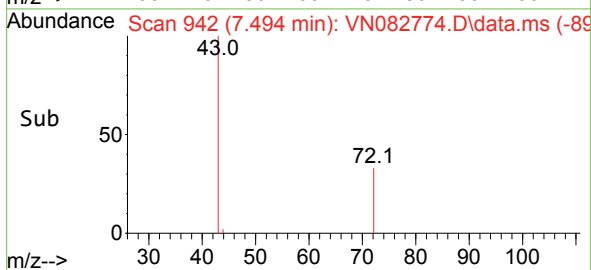
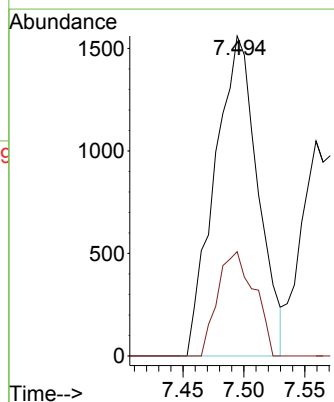
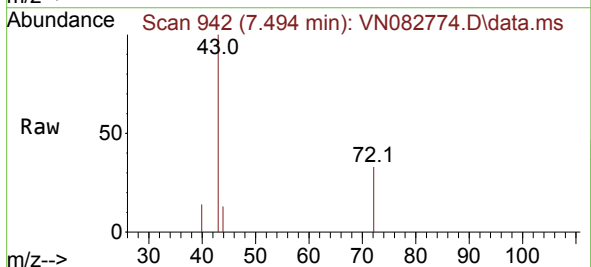


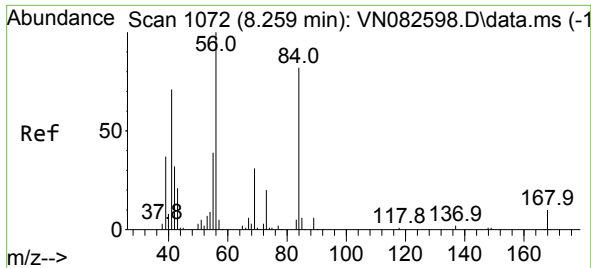
Tgt Ion:	84	Resp:	7562
Ion	Ratio	Lower	Upper
84	100		
49	108.5	119.6	179.4#
51	32.2	34.8	52.2#
86	53.0	52.9	79.3



#25
2-Butanone
Concen: 3.748 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

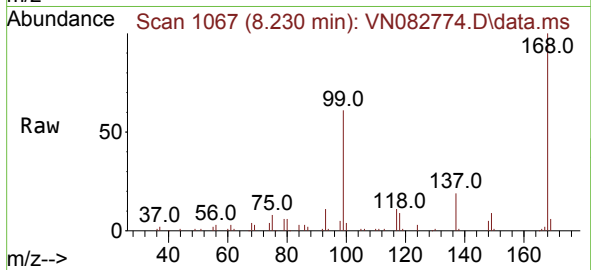
Tgt Ion:	43	Resp:	3843
Ion	Ratio	Lower	Upper
43	100		
72	32.6	18.2	27.2#



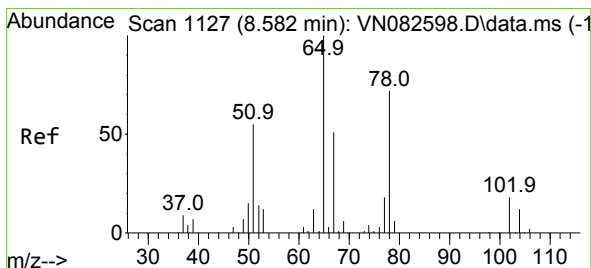
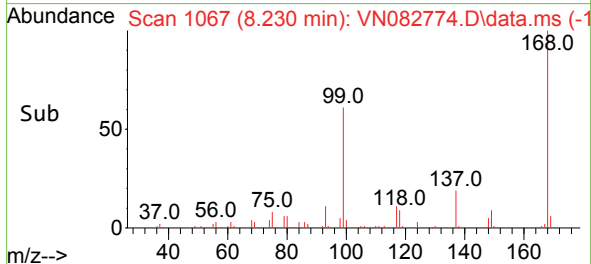
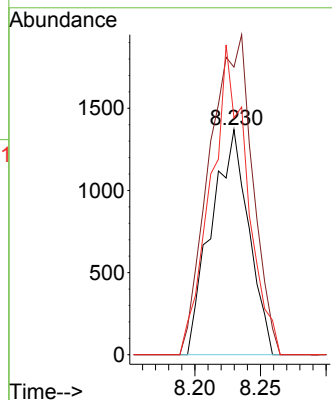


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

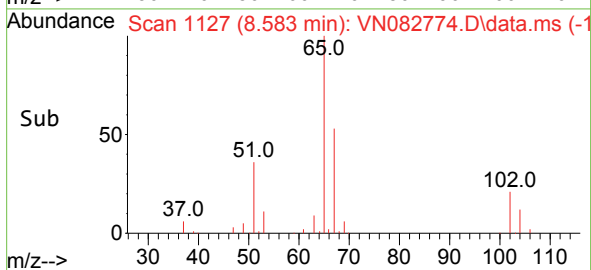
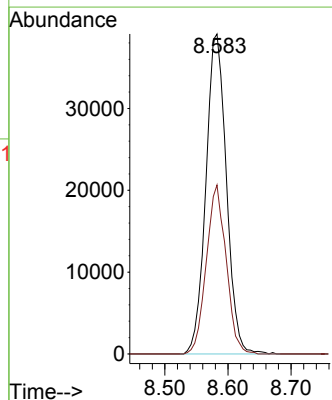
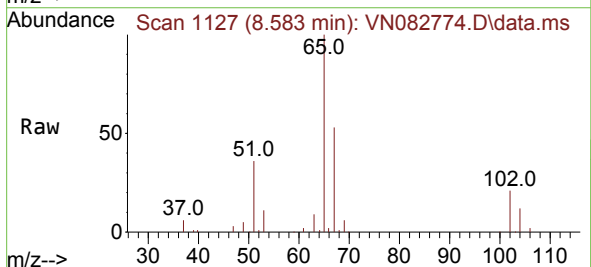


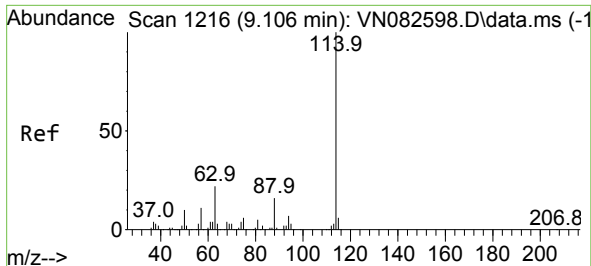
Tgt Ion: 56 Resp: 2723
Ion Ratio Lower Upper
56 100
69 127.6 24.5 36.7#
84 105.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 49.799 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

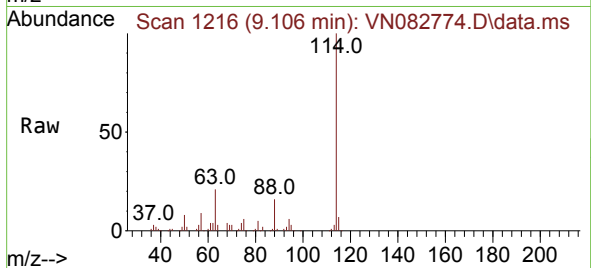
Tgt Ion: 65 Resp: 88217
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.4



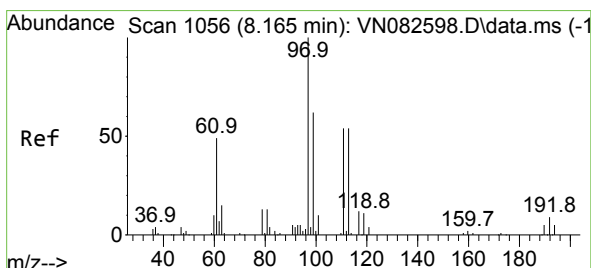
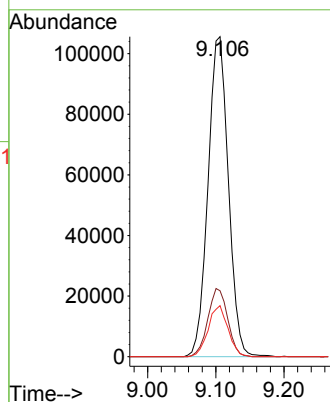
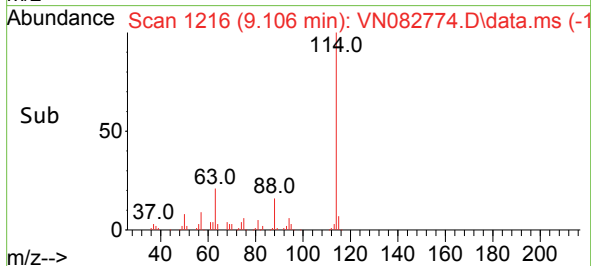


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

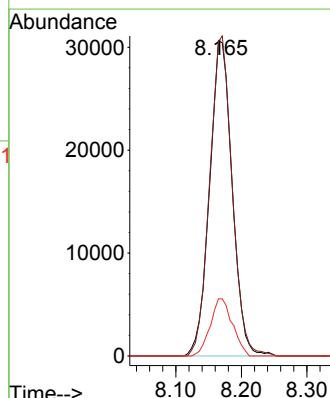
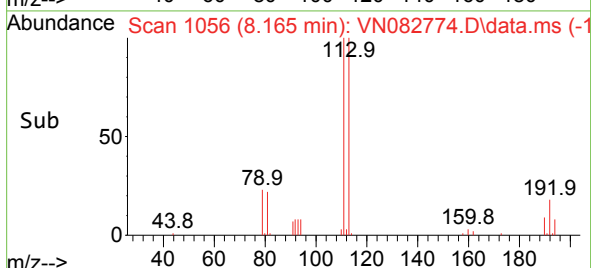
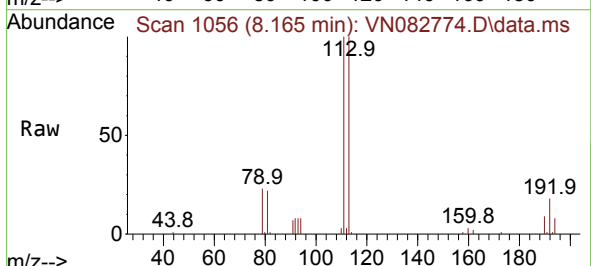


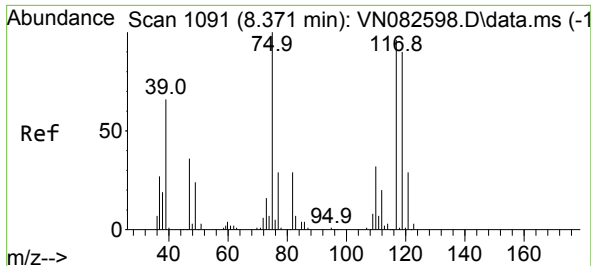
Tgt Ion:114 Resp: 219096
Ion Ratio Lower Upper
114 100
63 20.6 0.0 44.6
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.824 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

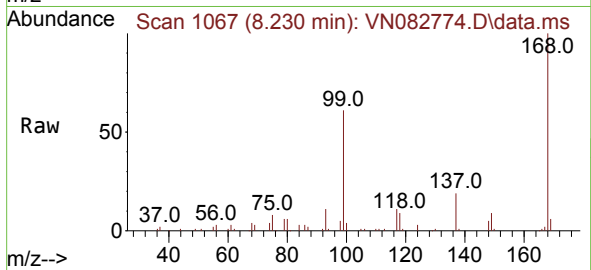
Tgt Ion:113 Resp: 73315
Ion Ratio Lower Upper
113 100
111 100.7 82.4 123.6
192 17.8 14.9 22.3



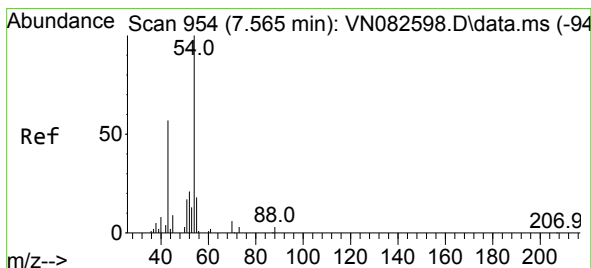
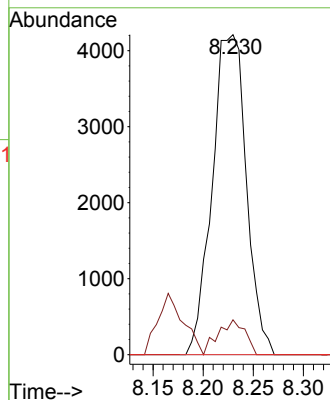
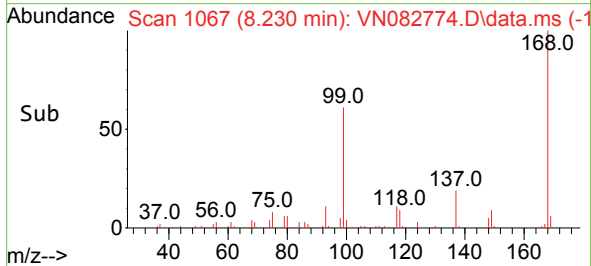


#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
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ClientSampleId :

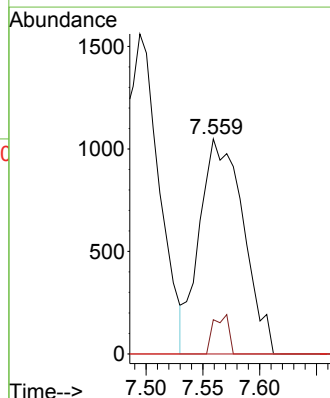
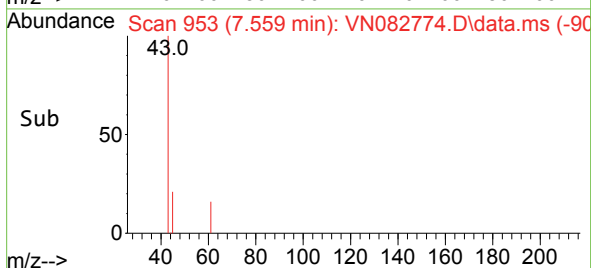
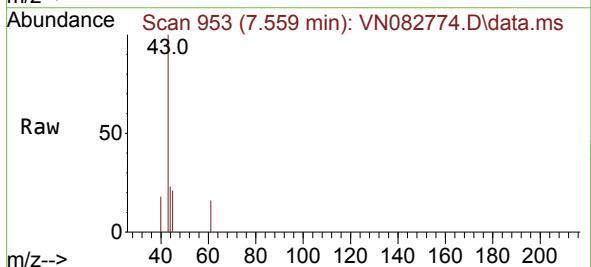


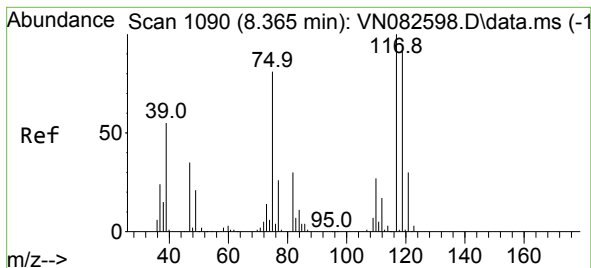
Tgt Ion: 75 Resp: 9972
Ion Ratio Lower Upper
75 100
110 8.5 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.255 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Tgt Ion: 43 Resp: 2813
Ion Ratio Lower Upper
43 100
61 6.4 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.213 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

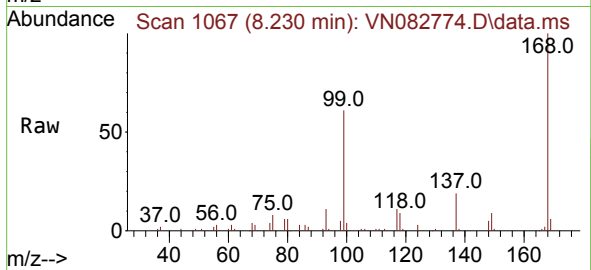
Lab File: VN082774.D

Acq: 01 Jul 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :



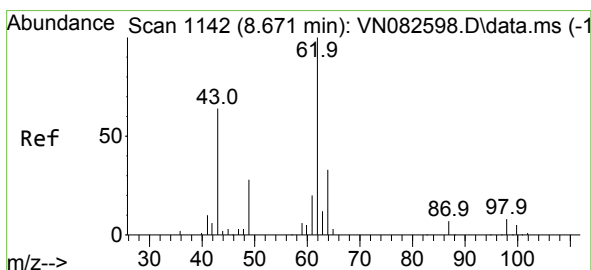
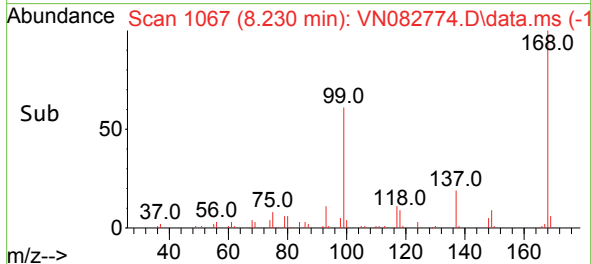
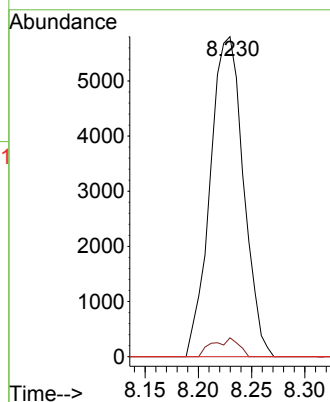
Tgt Ion:117 Resp: 12641

Ion Ratio Lower Upper

117 100

119 5.9 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.253 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082774.D

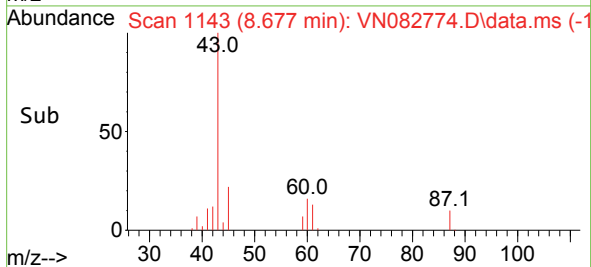
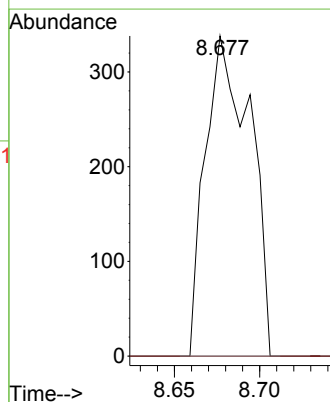
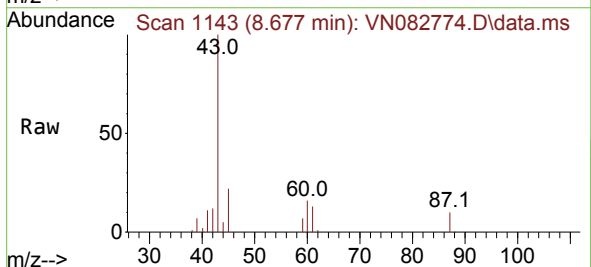
Acq: 01 Jul 2024 18:42

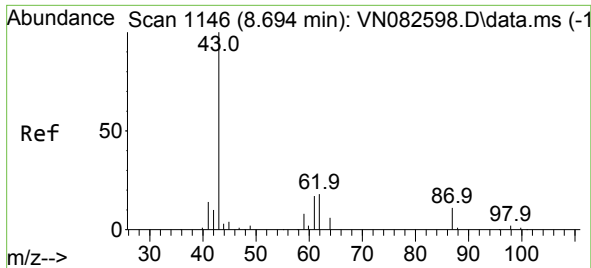
Tgt Ion: 62 Resp: 619

Ion Ratio Lower Upper

62 100

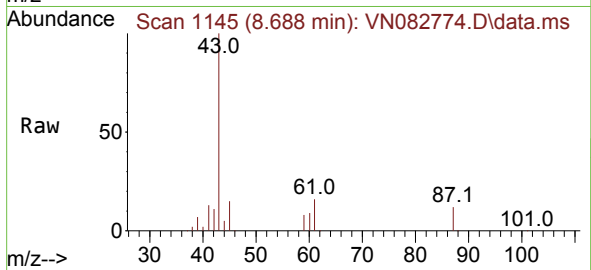
98 0.0 0.0 15.8



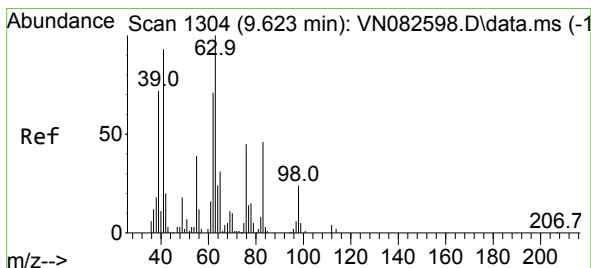
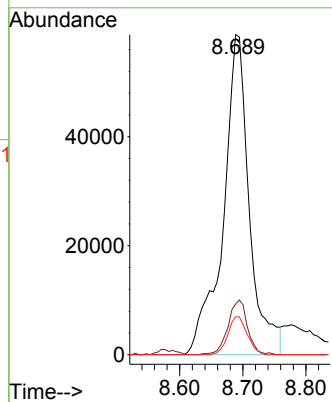
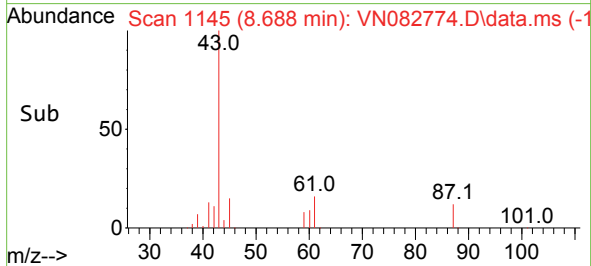


#43
Isopropyl Acetate
Concen: 43.341 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

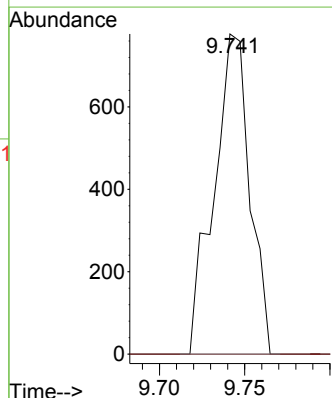
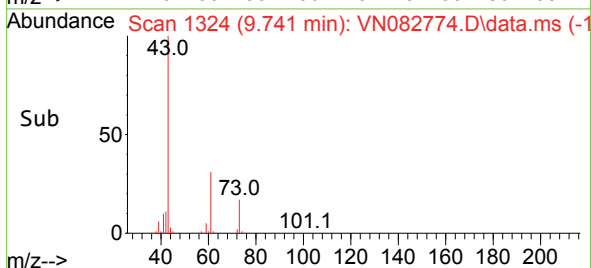
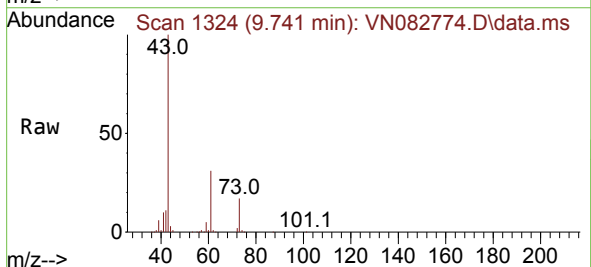


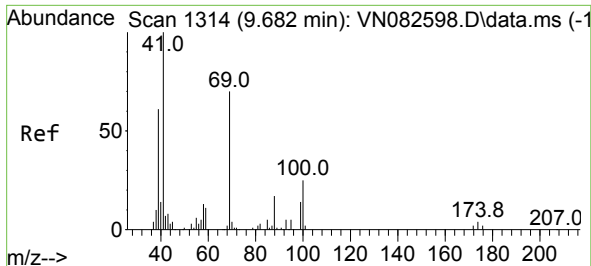
Tgt Ion: 43 Resp: 169133
Ion Ratio Lower Upper
43 100
61 12.7 17.8 26.6#
87 8.7 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.690 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

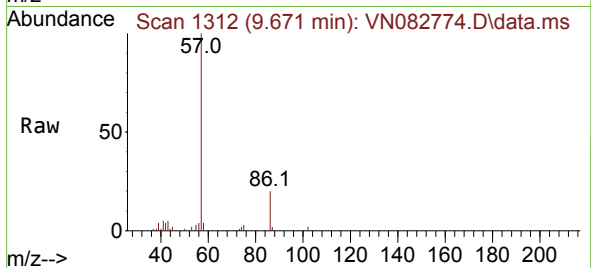
Tgt Ion: 63 Resp: 1138
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



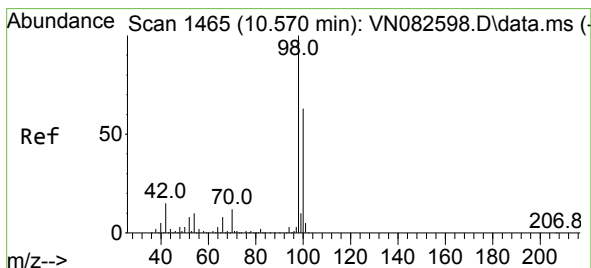
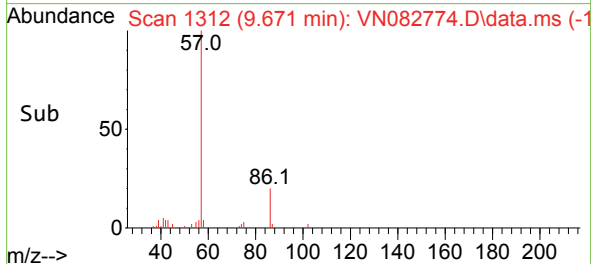
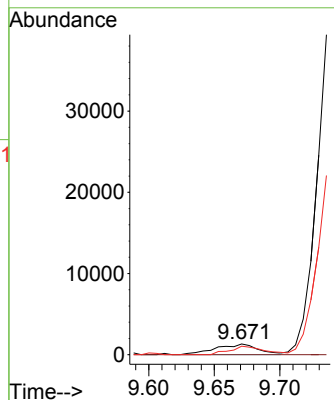


#48
Methyl methacrylate
Concen: 1.721 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

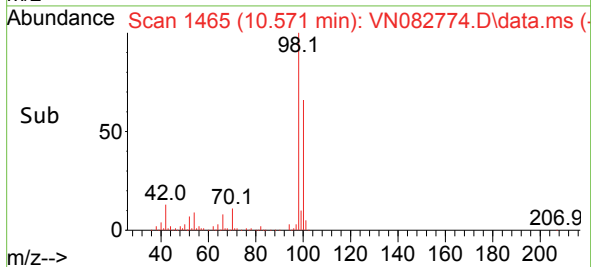
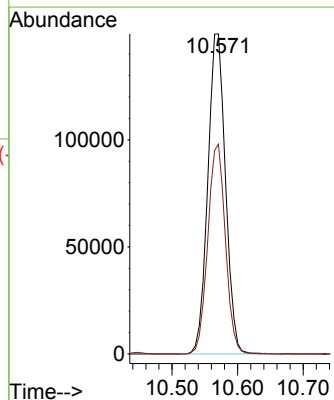
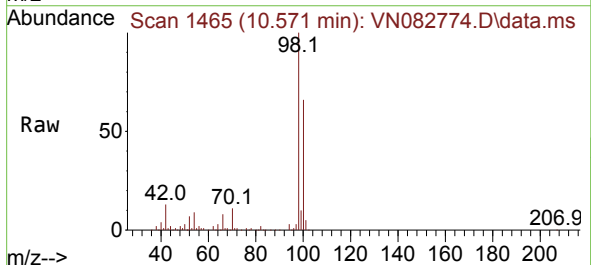


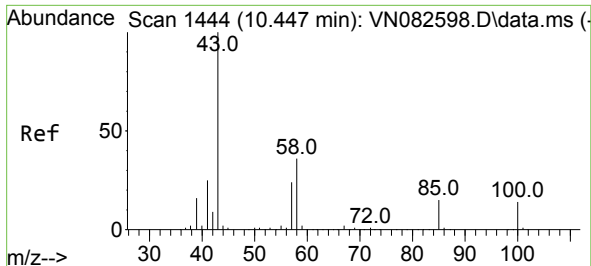
Tgt Ion: 41 Resp: 2968
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 64.8 50.3 75.5



#50
Toluene-d8
Concen: 51.963 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Tgt Ion: 98 Resp: 280325
Ion Ratio Lower Upper
98 100
100 65.3 51.5 77.3

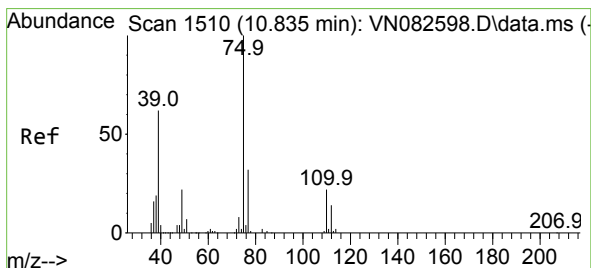
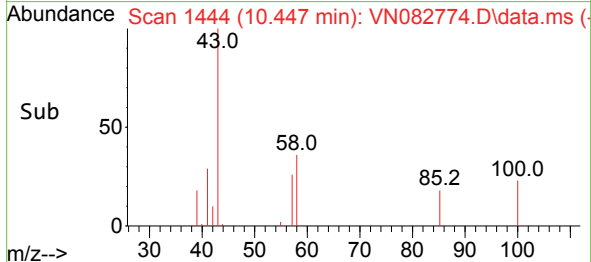
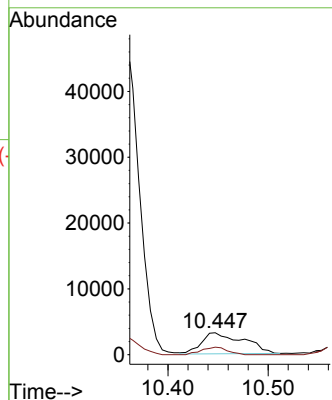
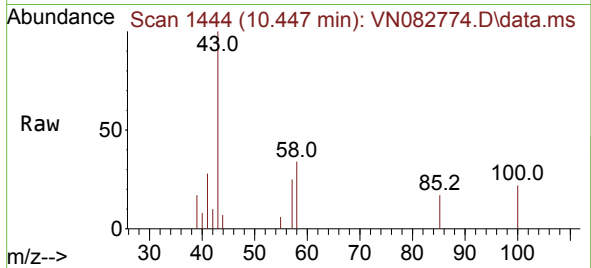




#51
4-Methyl-2-Pentanone
Concen: 4.096 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

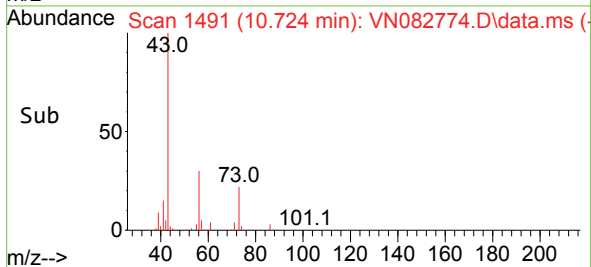
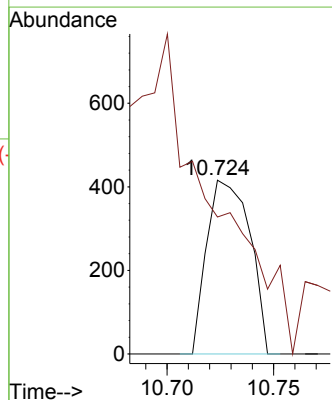
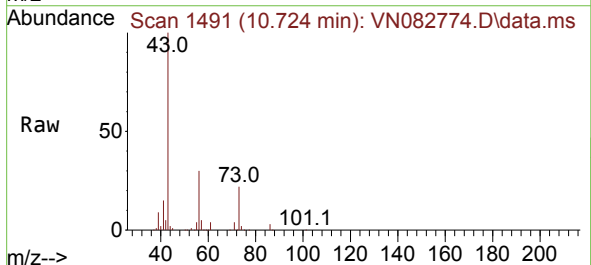
Instrument :
MSVOA_N
ClientSampleId :

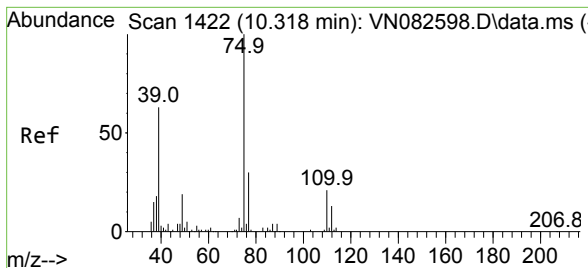
Tgt Ion: 43 Resp: 9389
Ion Ratio Lower Upper
43 100
58 21.8 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

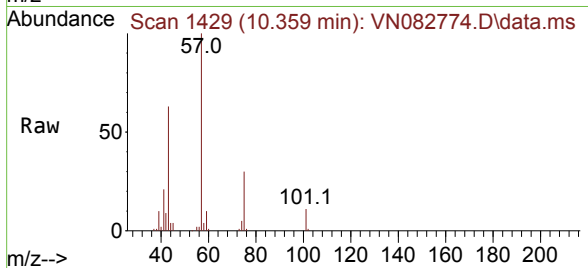
Tgt Ion: 75 Resp: 584
Ion Ratio Lower Upper
75 100
77 27.9 25.7 38.5



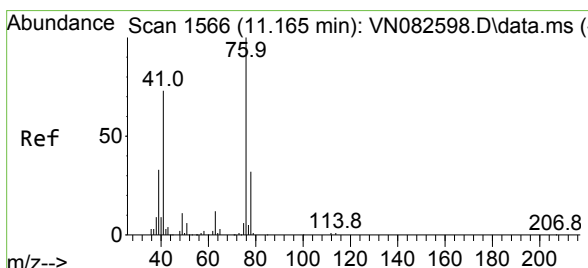
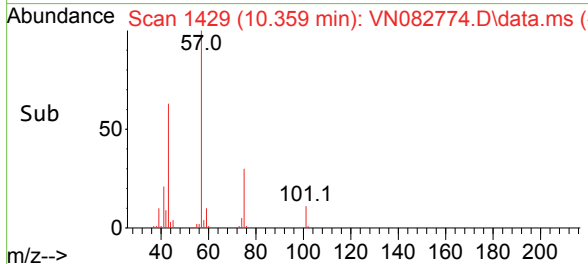
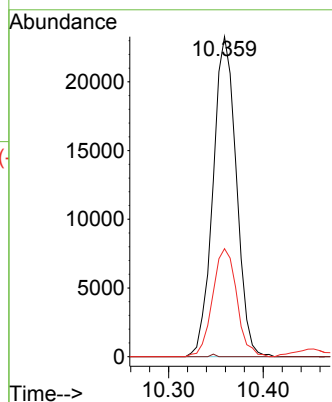


#54
 cis-1,3-Dichloropropene
 Concen: 16.339 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082774.D
 Acq: 01 Jul 2024 18:42

Instrument :
 MSVOA_N
 ClientSampleId :

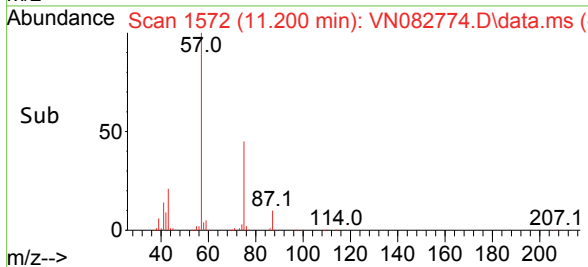
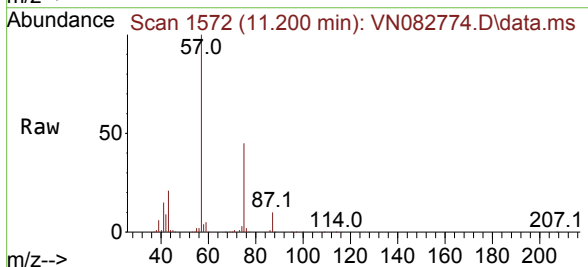
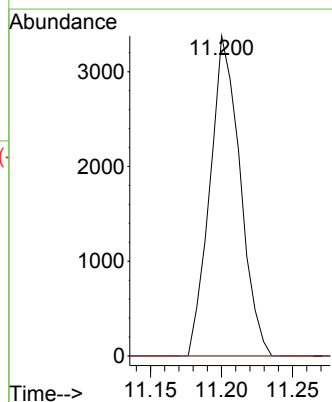


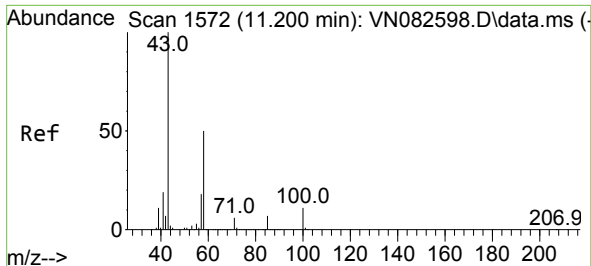
Tgt Ion: 75 Resp: 39863
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 33.8 50.5 75.7#



#57
 1,3-Dichloropropane
 Concen: 1.830 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN082774.D
 Acq: 01 Jul 2024 18:42

Tgt Ion: 76 Resp: 4981
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

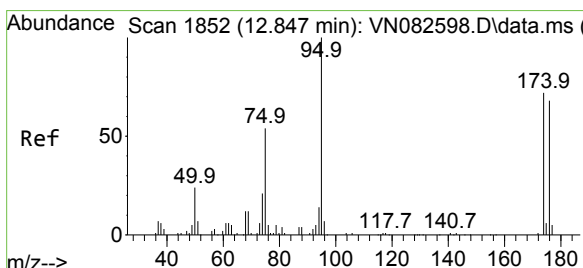
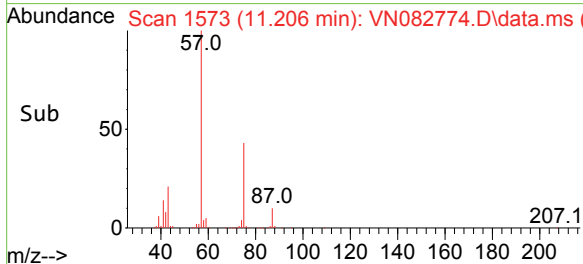
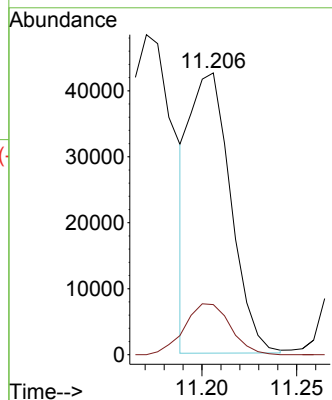
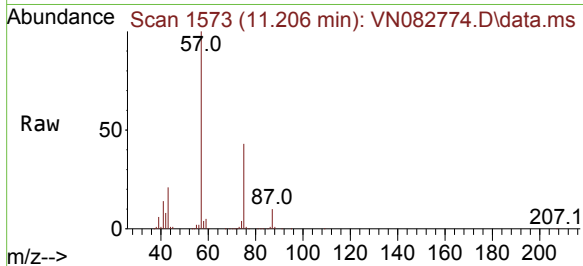




#59
2-Hexanone
Concen: 37.584 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

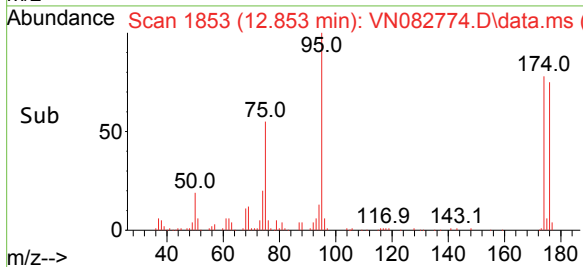
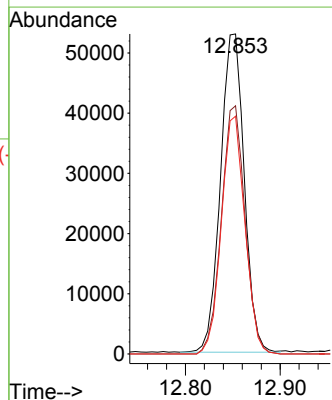
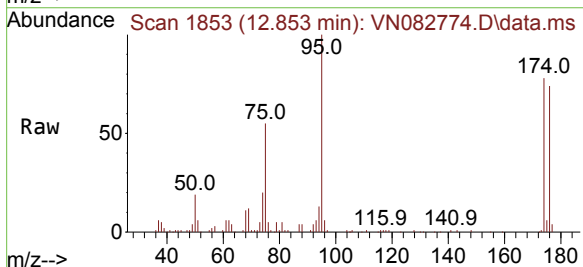
Instrument :
MSVOA_N
ClientSampleId :

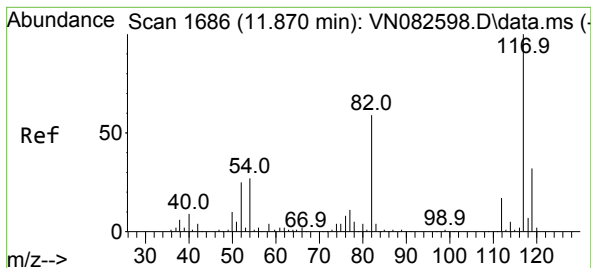
Tgt Ion: 43 Resp: 63876
Ion Ratio Lower Upper
43 100
58 20.4 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Tgt Ion: 95 Resp: 92230
Ion Ratio Lower Upper
95 100
174 77.6 0.0 159.2
176 73.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082774.D

Acq: 01 Jul 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

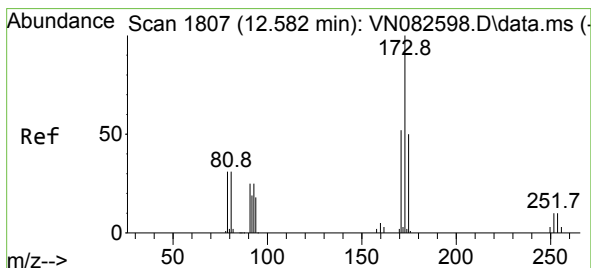
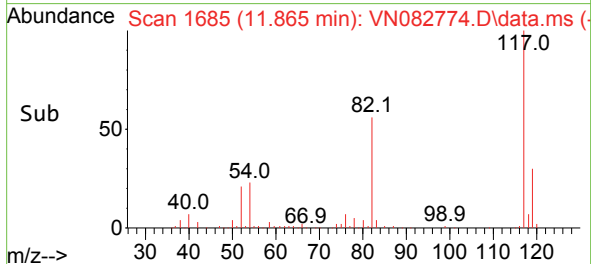
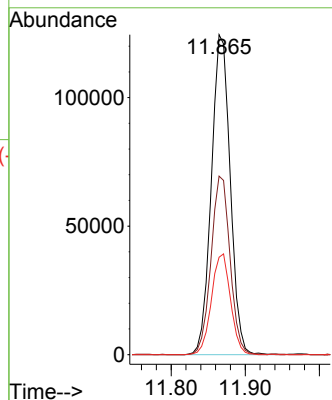
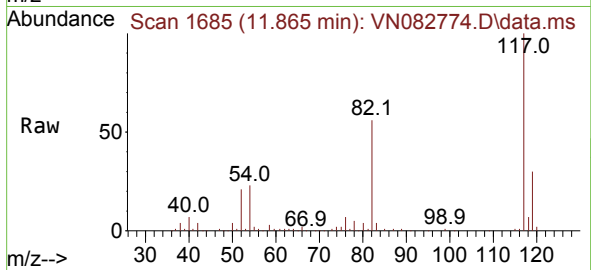
Tgt Ion:117 Resp: 220076

Ion Ratio Lower Upper

117 100

82 55.8 47.5 71.3

119 30.4 25.6 38.4



#71

Bromoform

Concen: 0.550 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN082774.D

Acq: 01 Jul 2024 18:42

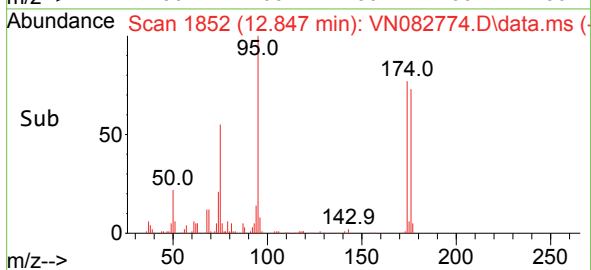
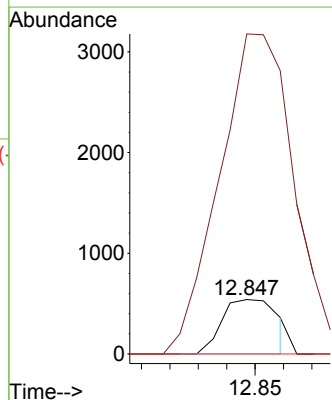
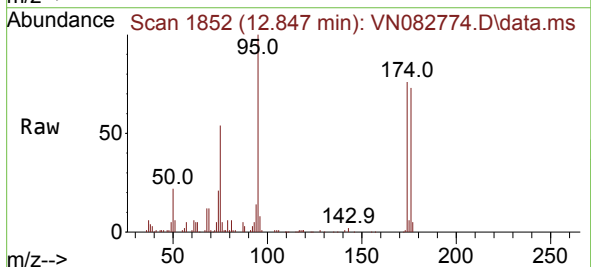
Tgt Ion:173 Resp: 738

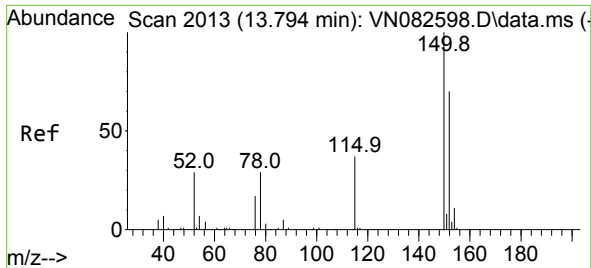
Ion Ratio Lower Upper

173 100

175 661.9 24.0 72.0#

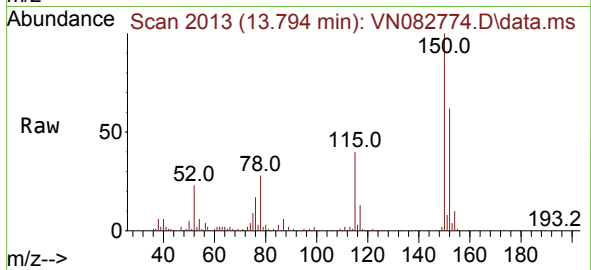
254 0.0 0.0 0.0



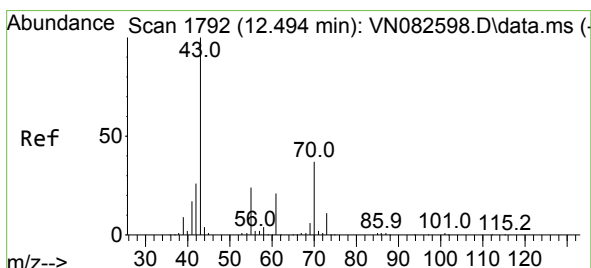
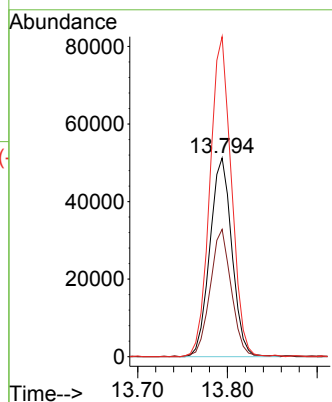
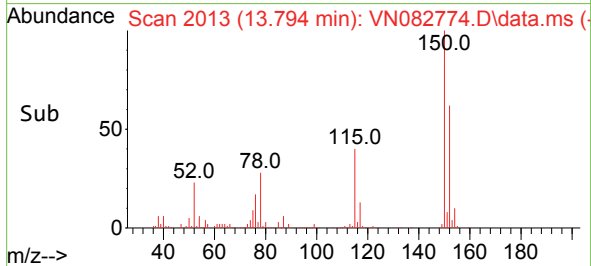


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082774.D
 Acq: 01 Jul 2024 18:42

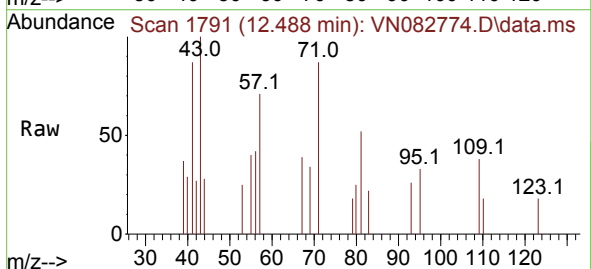
Instrument :
 MSVOA_N
 ClientSampleId :



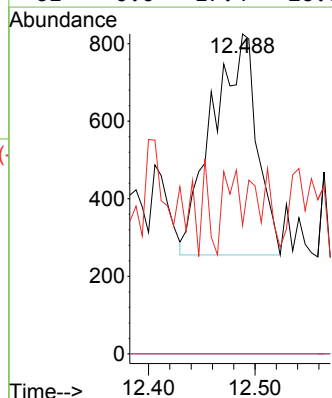
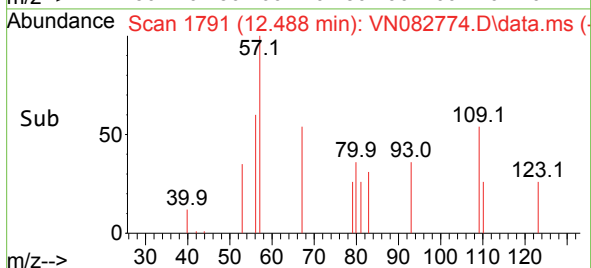
Tgt Ion:152 Resp: 87243
 Ion Ratio Lower Upper
 152 100
 115 62.4 30.6 91.6
 150 156.9 0.0 348.6

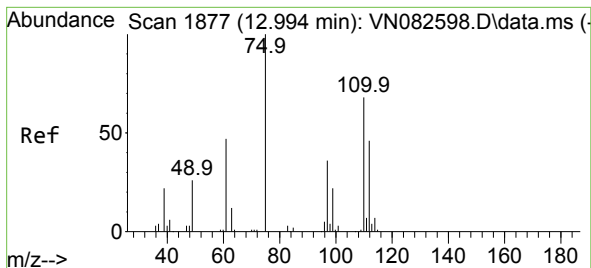


#74
 N-ethyl acetate
 Concen: 0.580 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082774.D
 Acq: 01 Jul 2024 18:42



Tgt Ion: 43 Resp: 1648
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 14.3 18.7 28.1#
 61 0.0 17.4 26.0#

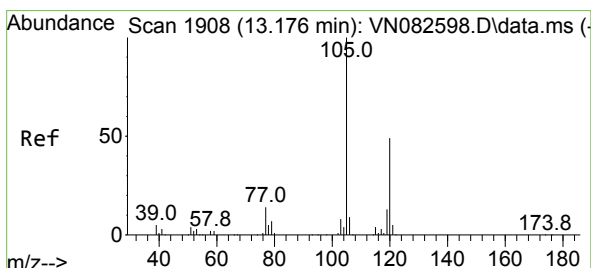
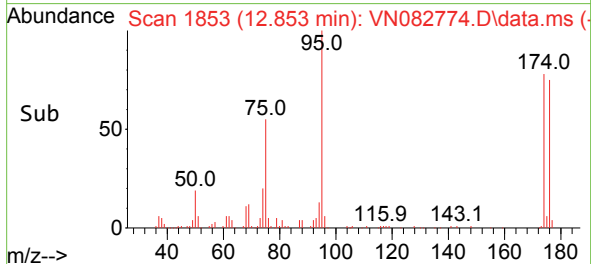
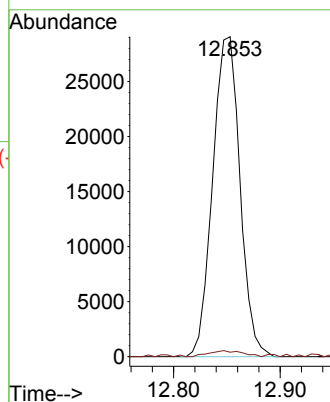
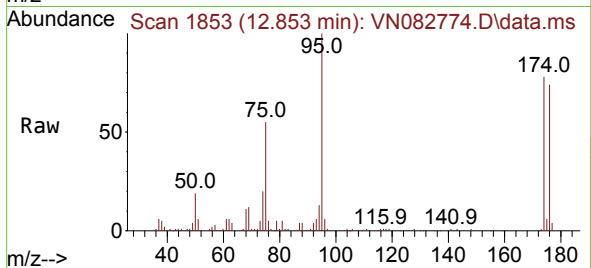




#76
1,2,3-Trichloropropane
Concen: 27.129 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

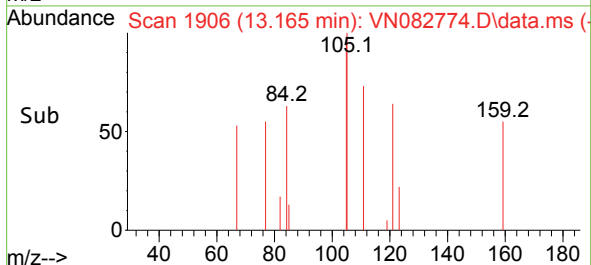
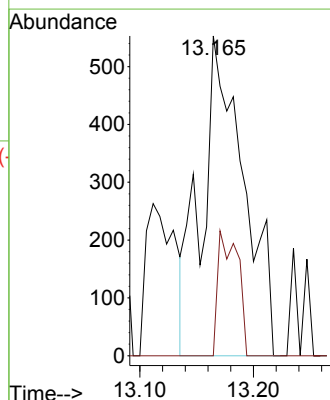
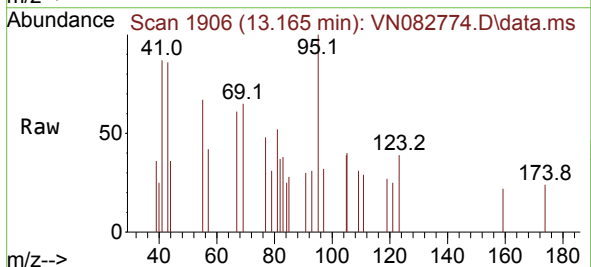
Instrument :
MSVOA_N
ClientSampleId :

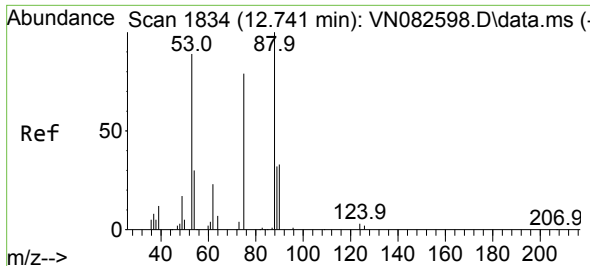
Tgt Ion: 75 Resp: 51626
Ion Ratio Lower Upper
75 100
77 2.3 110.9 332.6#



#80
1,3,5-Trimethylbenzene
Concen: 0.272 ug/l
RT: 13.165 min Scan# 1906
Delta R.T. -0.011 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

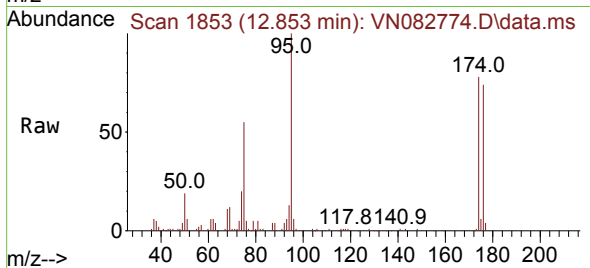
Tgt Ion:105 Resp: 1421
Ion Ratio Lower Upper
105 100
120 18.4 24.3 72.8#



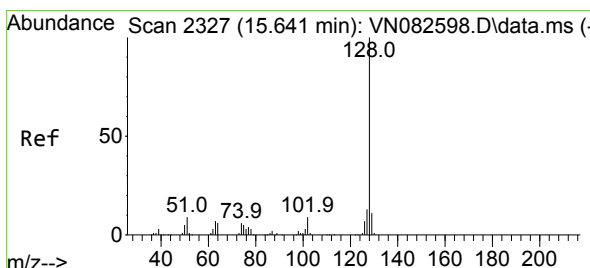
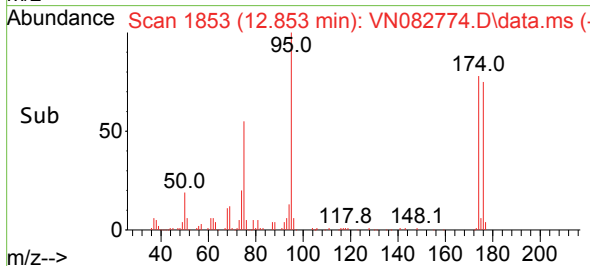
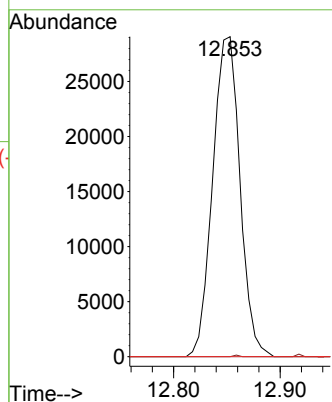


#81
trans-1,4-Dichloro-2-butene
Concen: 70.750 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 51626
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#



#95
Naphthalene
Concen: 0.270 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN082774.D
Acq: 01 Jul 2024 18:42

Tgt Ion: 128 Resp: 1257
Ion Ratio Lower Upper
128 100
127 4.3 10.6 16.0#
129 0.0 8.6 12.8#

