

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082724.D
 Acq On : 25 Jun 2024 17:49
 Operator : JC\MD
 Sample : P3021-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:26:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

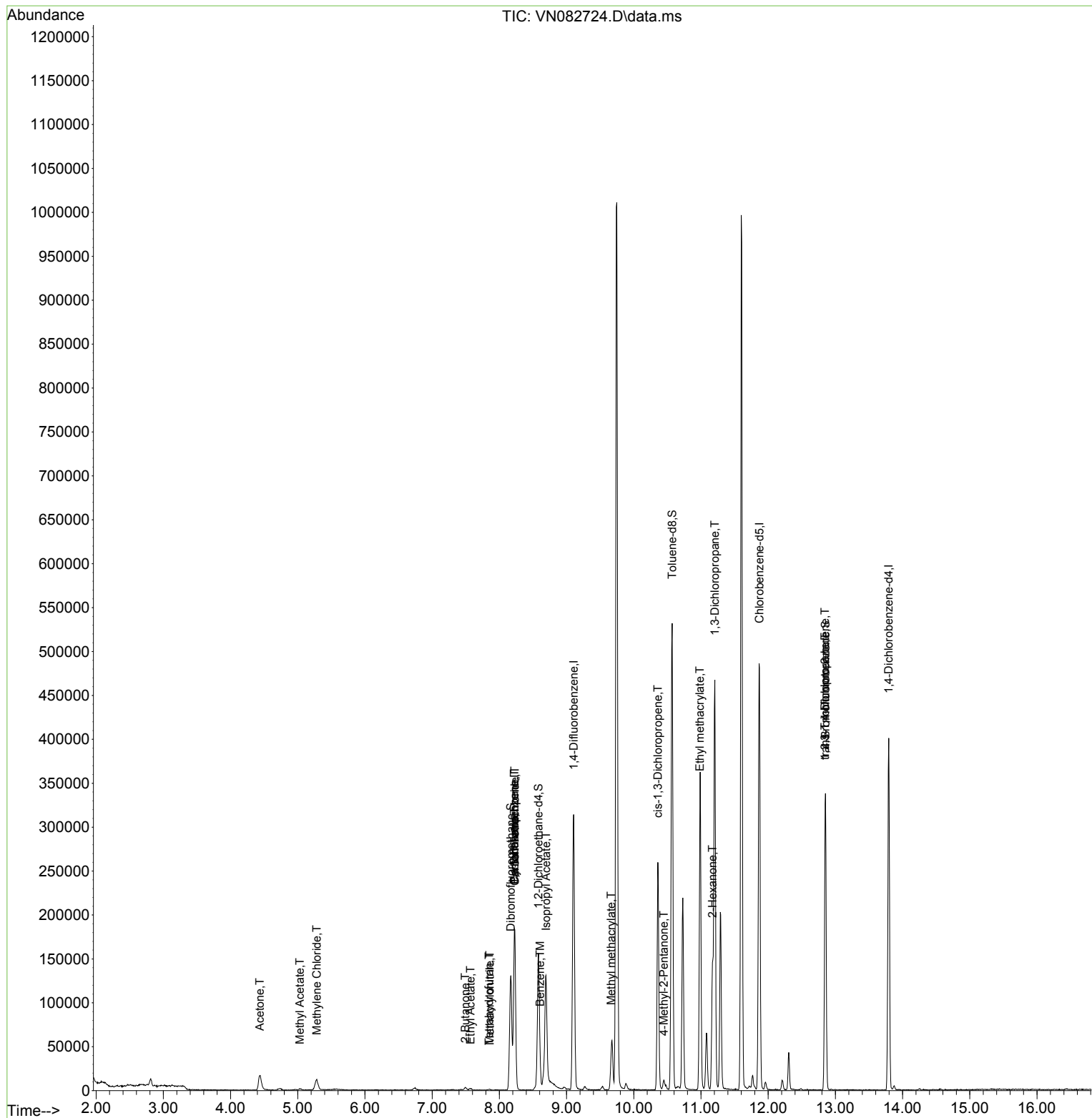
Internal Standards						
1) Pentafluorobenzene	8.224	168	126332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	246650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	263878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121376	59.912	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.820%			
35) Dibromofluoromethane	8.171	113	91652	54.775	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	10.570	98	346491	54.758	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.853	95	105375	48.303	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.600%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	34010	36.913	ug/l	98
18) Methyl Acetate	5.030	43	1382	0.613	ug/l #	65
20) Methylene Chloride	5.283	84	8285	5.115	ug/l	89
25) 2-Butanone	7.494	43	5275	4.028	ug/l #	86
29) Tetrahydrofuran	7.847	42	469	0.585	ug/l #	49
31) Cyclohexane	8.224	56	3663	1.253	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	12397	4.956	ug/l #	49
37) Ethyl Acetate	7.571	43	3518	1.104	ug/l #	78
38) Carbon Tetrachloride	8.229	117	13669	4.849	ug/l #	16
40) Benzene	8.606	78	7373	0.954	ug/l	93
41) Methacrylonitrile	7.859	41	495	0.304	ug/l #	37
43) Isopropyl Acetate	8.694	43	168713	28.333	ug/l #	86
48) Methyl methacrylate	9.665	41	4272	1.740	ug/l #	53
51) 4-Methyl-2-Pentanone	10.447	43	12232	4.005	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	38072	12.526	ug/l #	70
56) Ethyl methacrylate	10.982	69	1988	0.708	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4380	1.398	ug/l #	43
59) 2-Hexanone	11.170	43	128046	55.161	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	61388	24.877	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61388	59.516	ug/l #	6

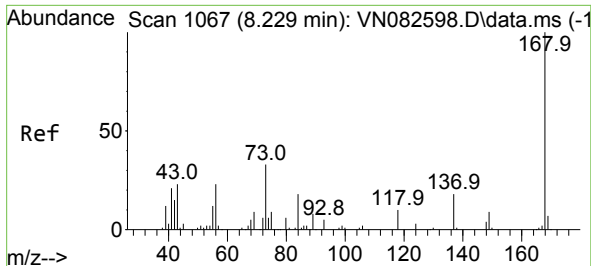
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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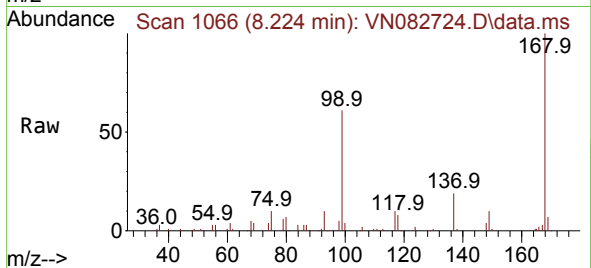
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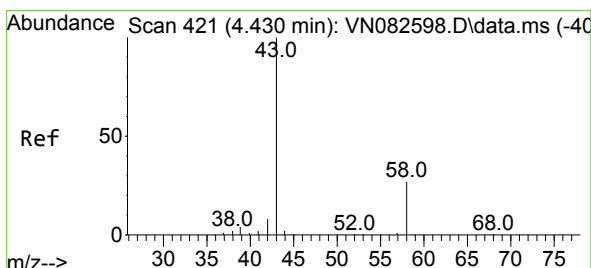
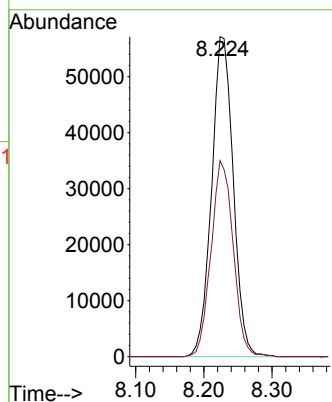
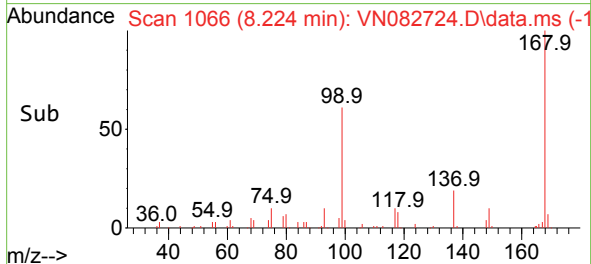


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

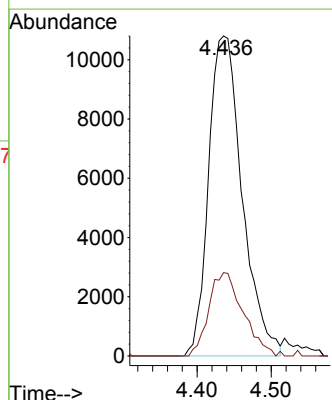
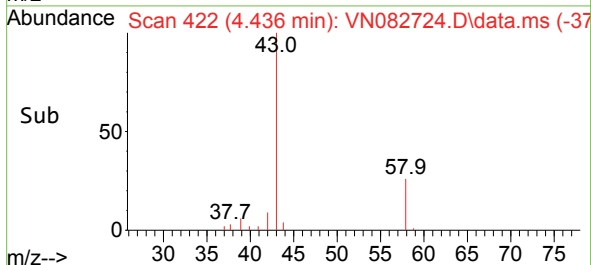
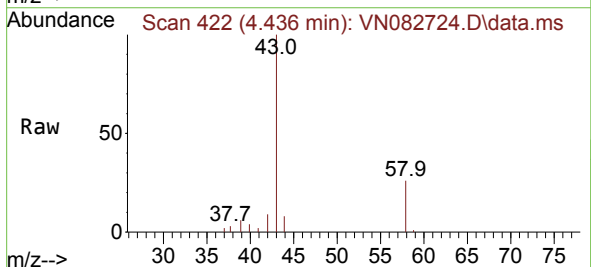


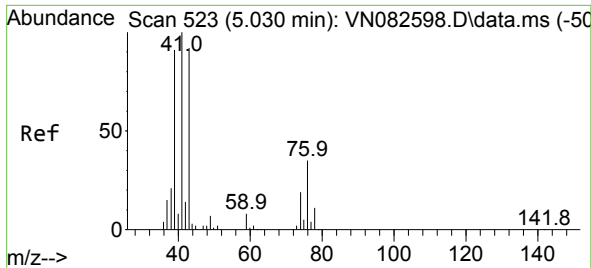
Tgt Ion:168 Resp: 126332
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#16
Acetone
Concen: 36.913 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

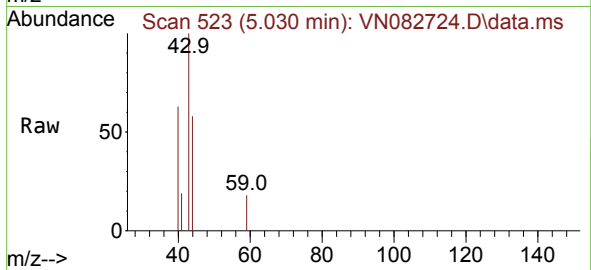
Tgt Ion: 43 Resp: 34010
Ion Ratio Lower Upper
43 100
58 26.1 21.8 32.6



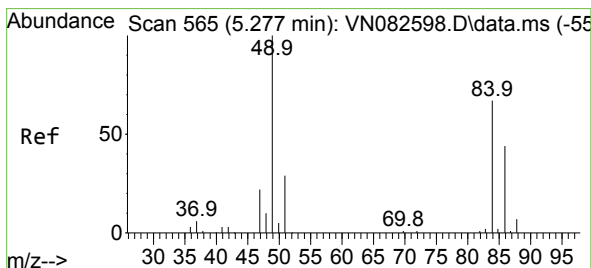
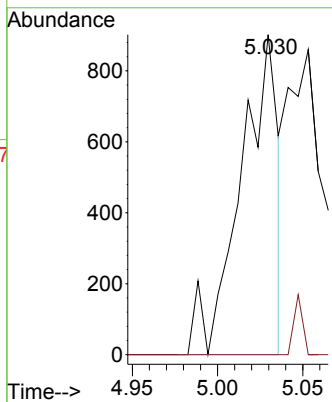
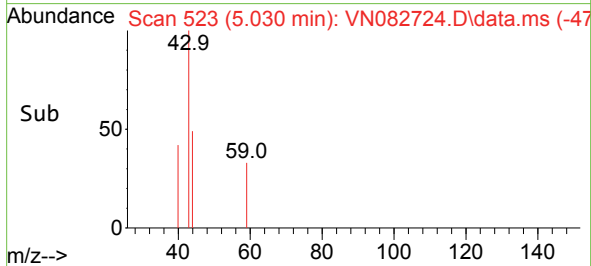


#18
Methyl Acetate
Concen: 0.613 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

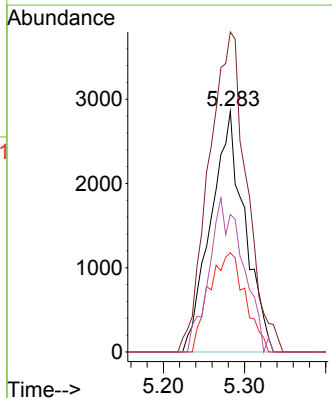
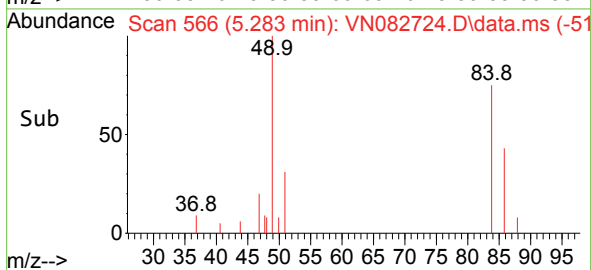
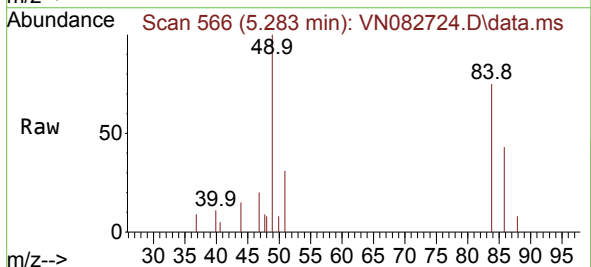


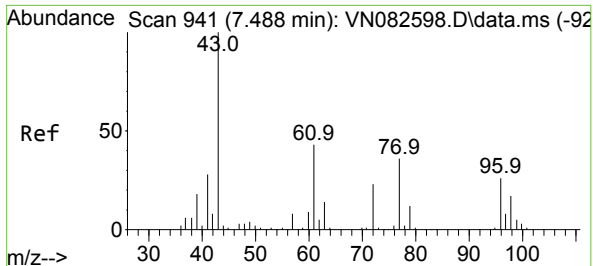
Tgt Ion: 43 Resp: 1382
Ion Ratio Lower Upper
43 100
74 4.3 16.3 24.5#



#20
Methylene Chloride
Concen: 5.115 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion: 84 Resp: 8285
Ion Ratio Lower Upper
84 100
49 133.0 119.6 179.4
51 41.2 34.8 52.2
86 57.1 52.9 79.3

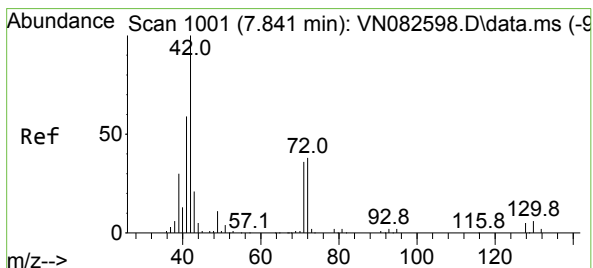
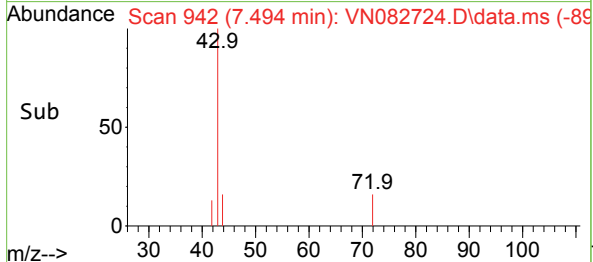
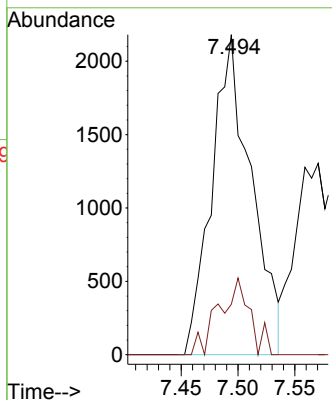
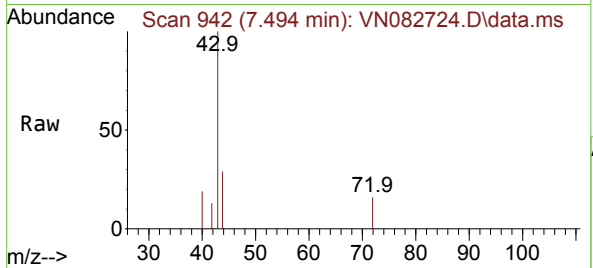




#25
2-Butanone
Concen: 4.028 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

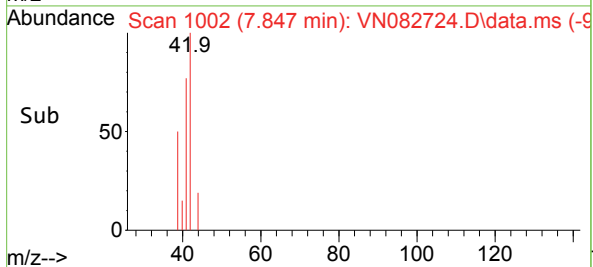
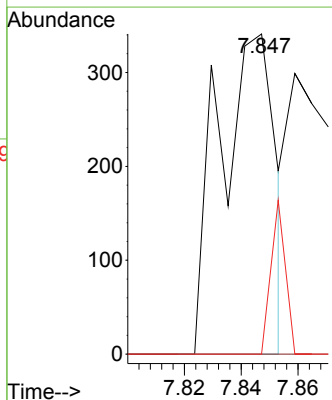
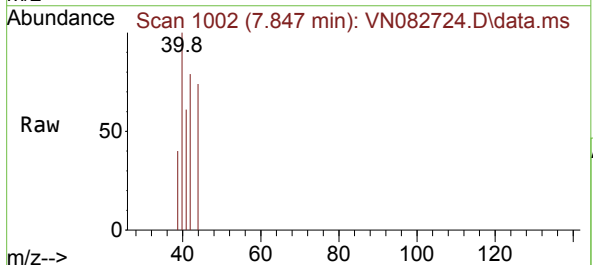
Instrument :
MSVOA_N
ClientSampleId :

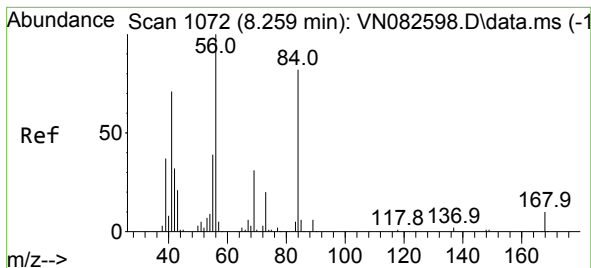
Tgt Ion: 43 Resp: 5275
Ion Ratio Lower Upper
43 100
72 15.8 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.585 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion: 42 Resp: 469
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 12.4 28.3 42.5#





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

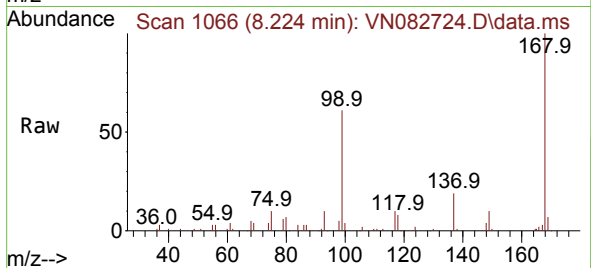
Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

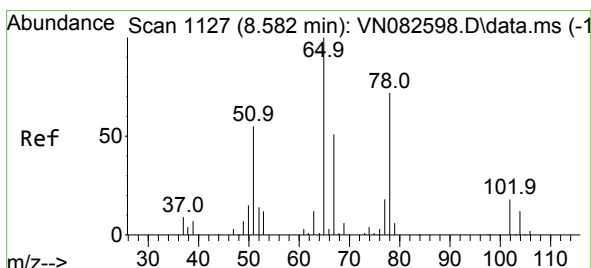
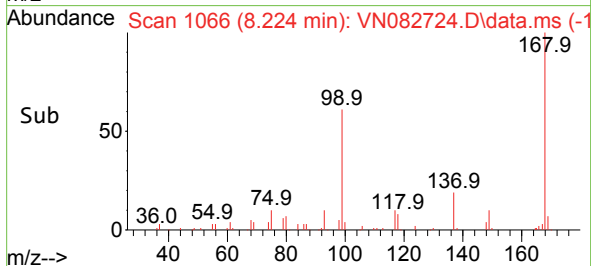
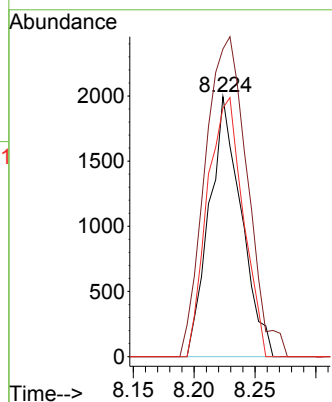
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 3663
Ion Ratio	Lower Upper
56	100
69	118.3 24.5 36.7#
84	95.6 66.0 99.0



#33

1,2-Dichloroethane-d4

Concen: 59.912 ug/l

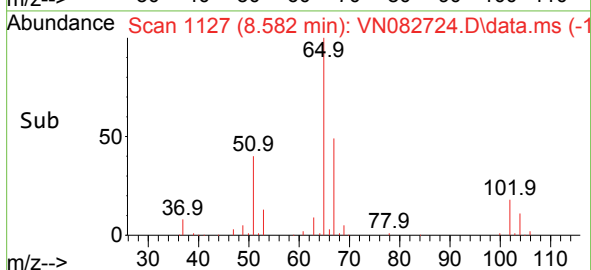
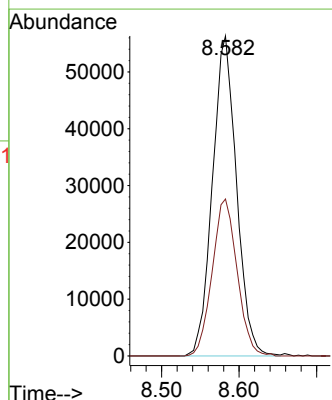
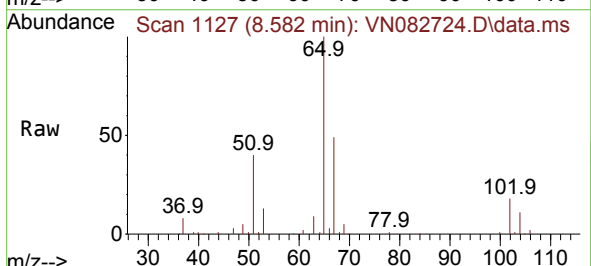
RT: 8.582 min Scan# 1127

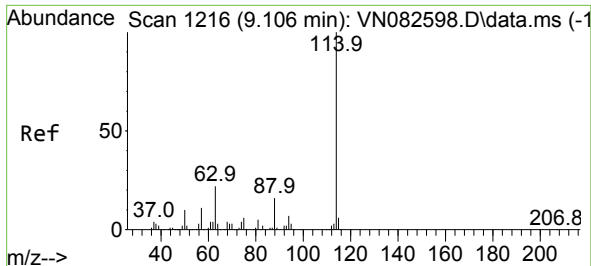
Delta R.T. 0.000 min

Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

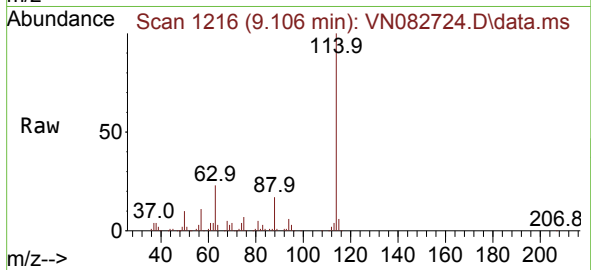
Tgt Ion: 65	Resp: 121376
Ion Ratio	Lower Upper
65	100
67	50.8 0.0 104.4



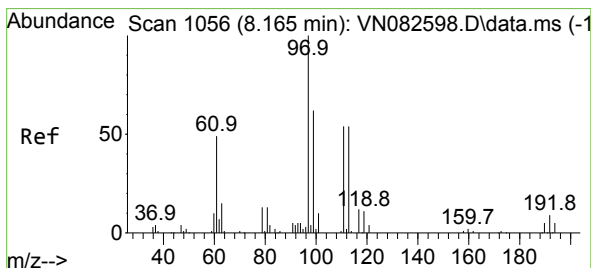
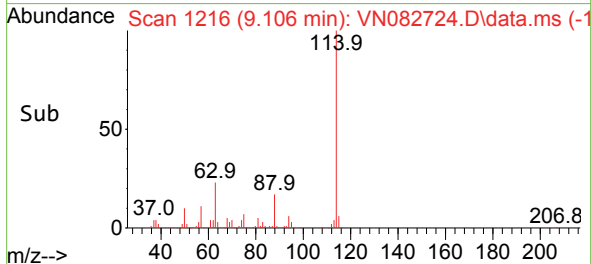
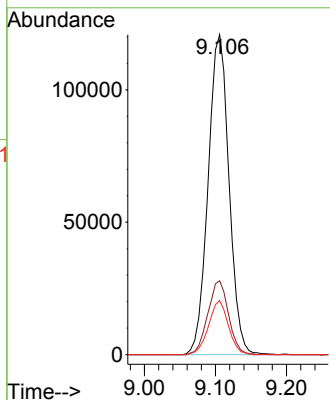


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
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ClientSampleId :

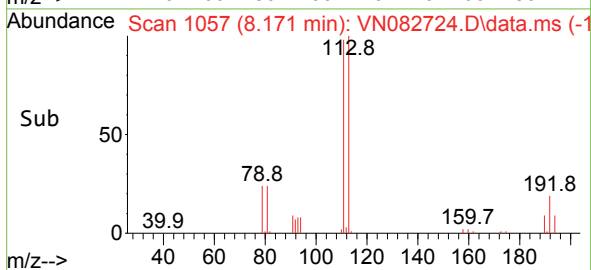
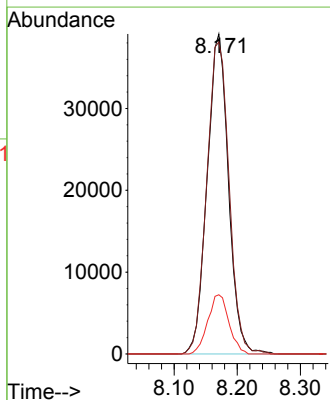
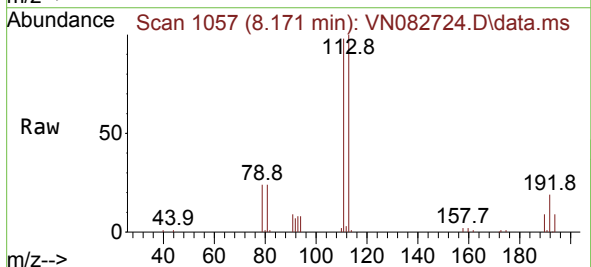


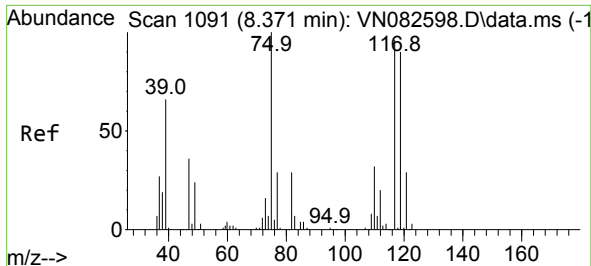
Tgt Ion:114 Resp: 246650
Ion Ratio Lower Upper
114 100
63 23.1 0.0 44.6
88 17.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.775 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion:113 Resp: 91652
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 18.3 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

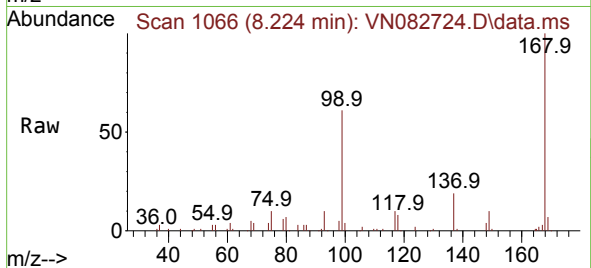
Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :



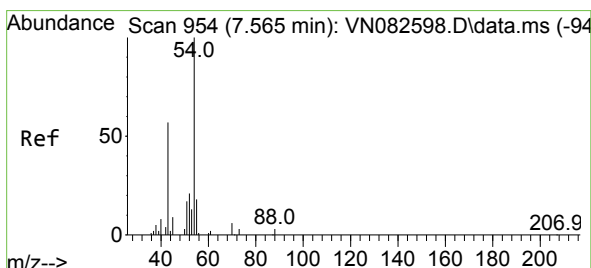
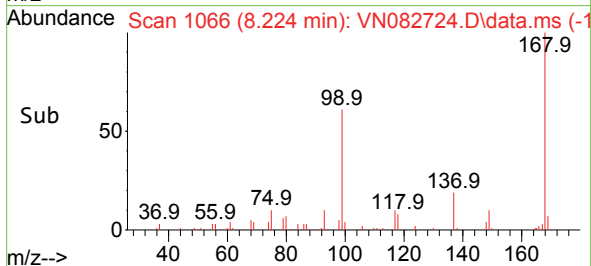
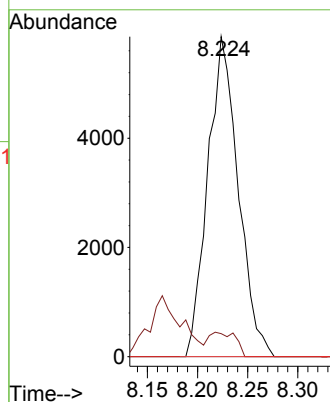
Tgt Ion: 75 Resp: 12397

Ion Ratio Lower Upper

75 100

110 6.6 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.104 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

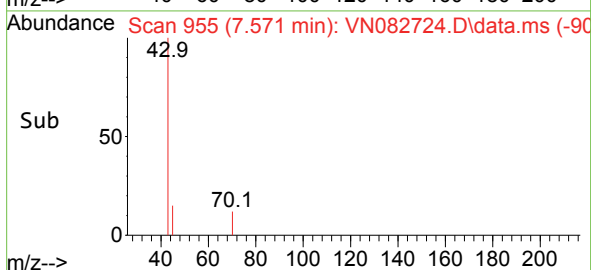
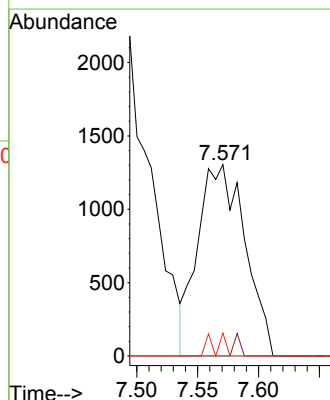
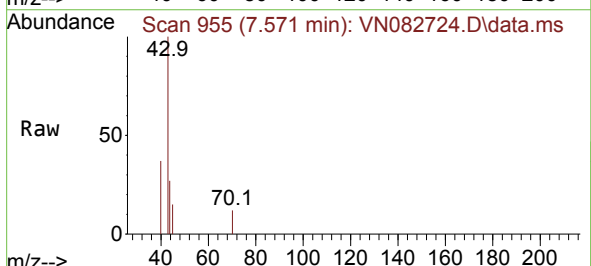
Tgt Ion: 43 Resp: 3518

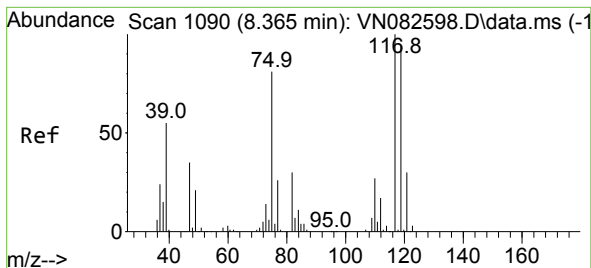
Ion Ratio Lower Upper

43 100

61 1.5 9.3 13.9#

70 3.1 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.849 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

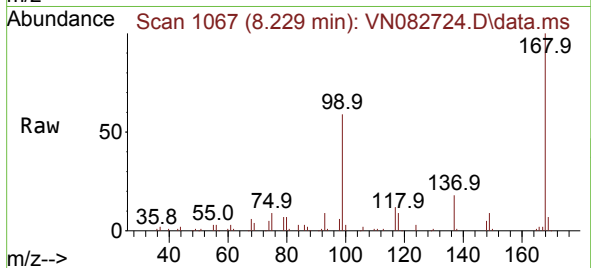
Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :



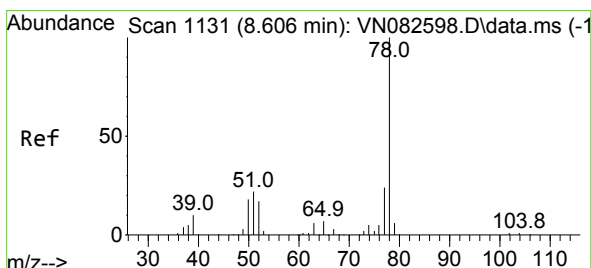
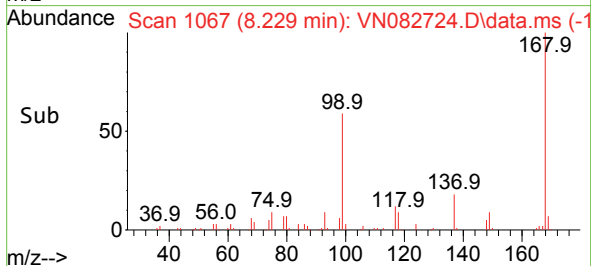
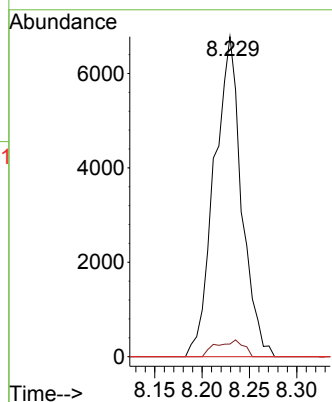
Tgt Ion:117 Resp: 13669

Ion Ratio Lower Upper

117 100

119 3.9 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.954 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN082724.D

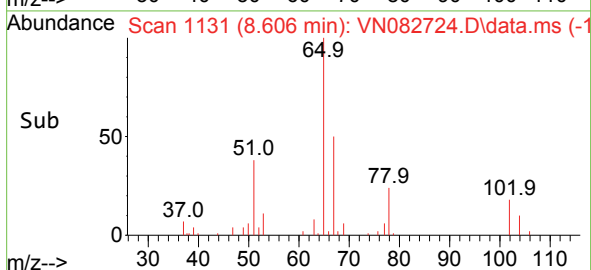
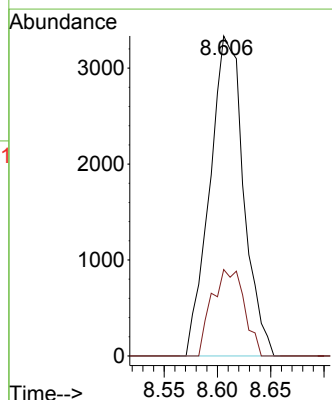
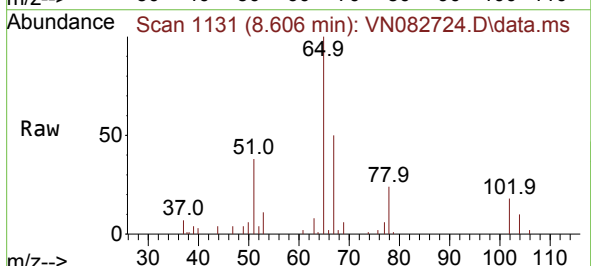
Acq: 25 Jun 2024 17:49

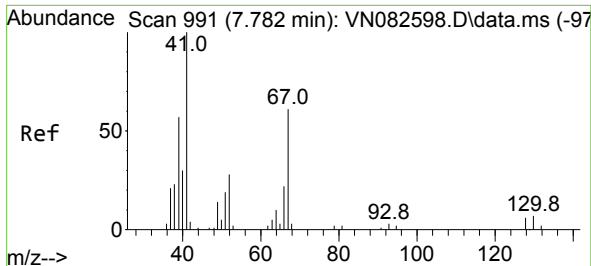
Tgt Ion: 78 Resp: 7373

Ion Ratio Lower Upper

78 100

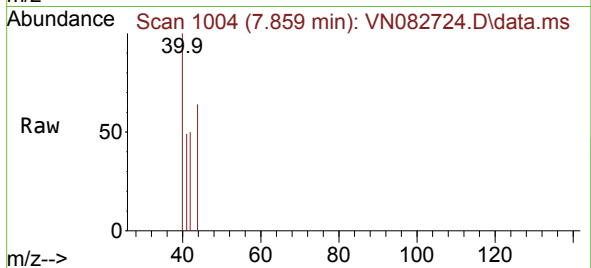
77 27.0 19.0 28.4



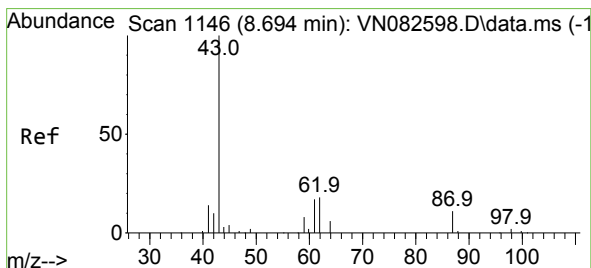
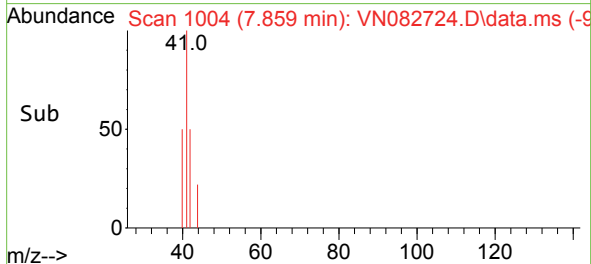
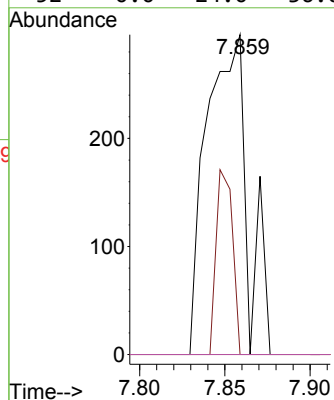


#41
Methacrylonitrile
Concen: 0.304 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.076 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

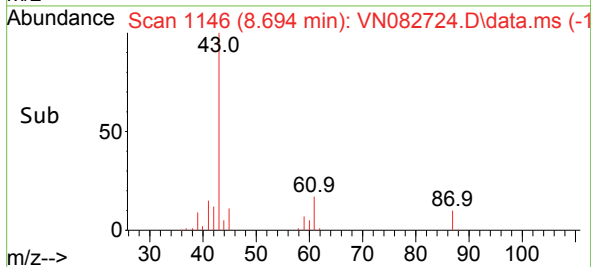
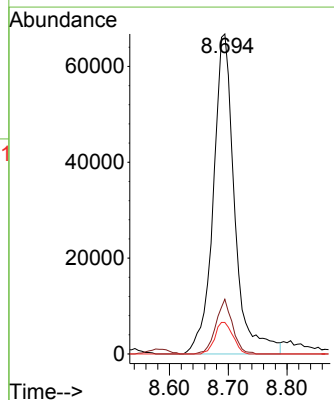
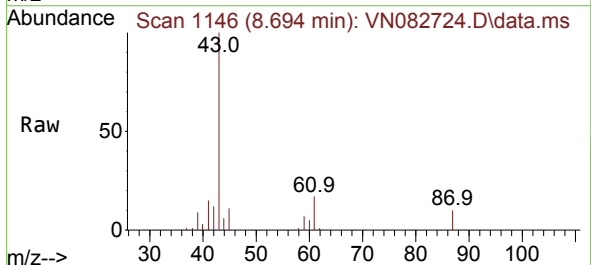


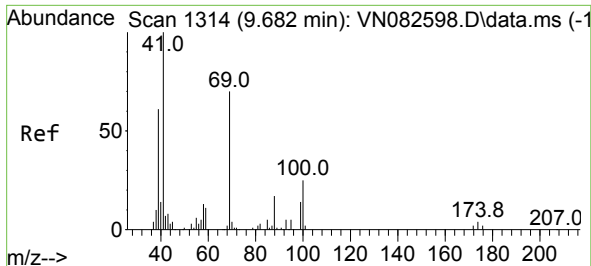
Tgt Ion: 41	Resp: 495
Ion Ratio	Lower Upper
41	100
39	23.0 45.5 68.3#
67	0.0 50.5 75.7#
52	0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 28.333 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion: 43	Resp: 168713
Ion Ratio	Lower Upper
43	100
61	13.3 17.8 26.6#
87	8.3 8.2 12.2

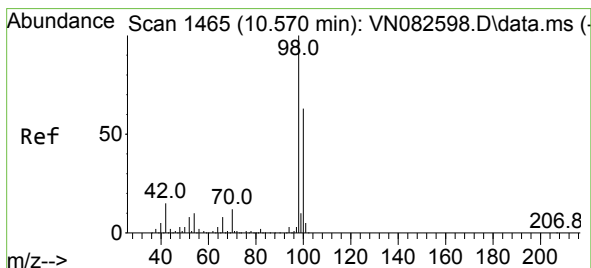
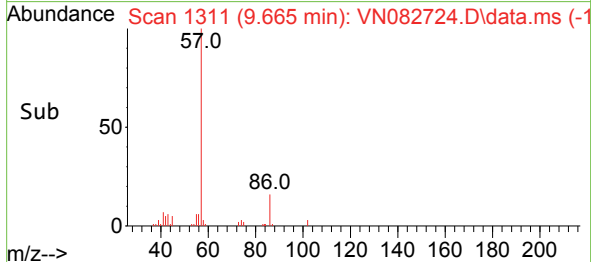
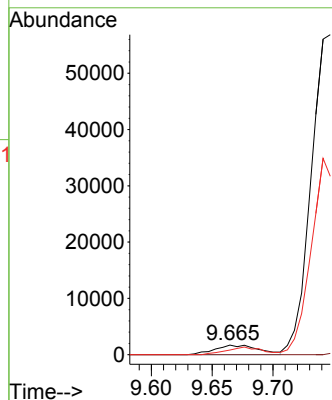
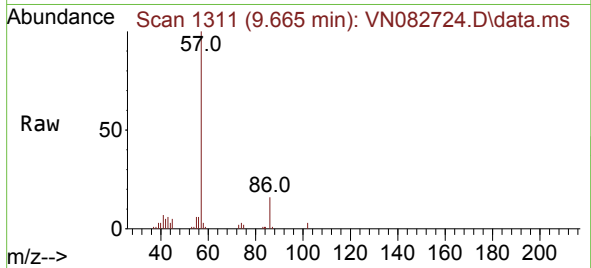




#48
Methyl methacrylate
Concen: 1.740 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

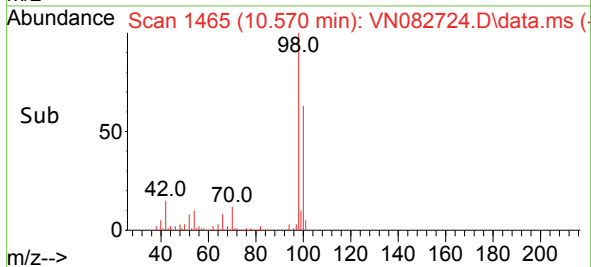
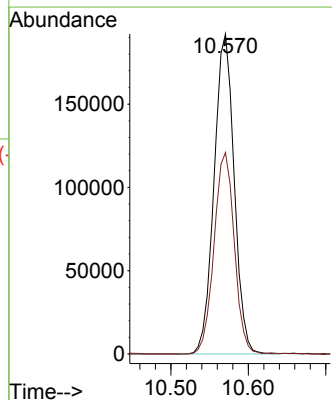
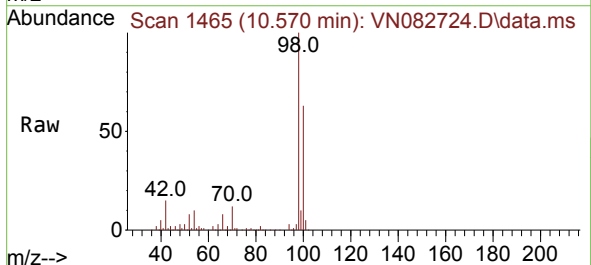
Instrument :
MSVOA_N
ClientSampleId :

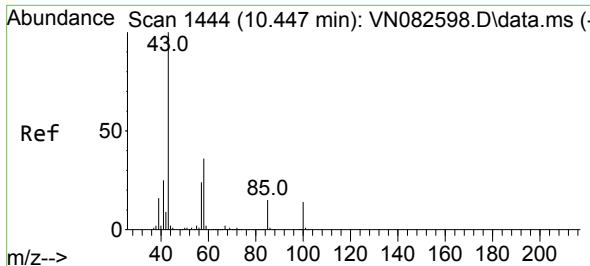
Tgt Ion: 41 Resp: 4272
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 65.5 50.3 75.5



#50
Toluene-d8
Concen: 54.758 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion: 98 Resp: 346491
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3

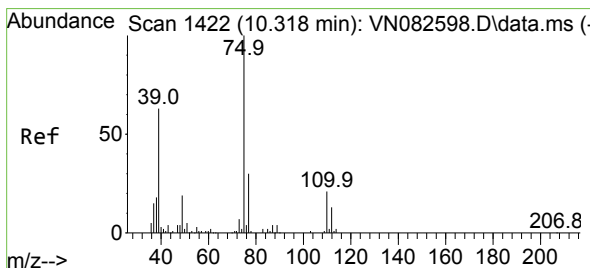
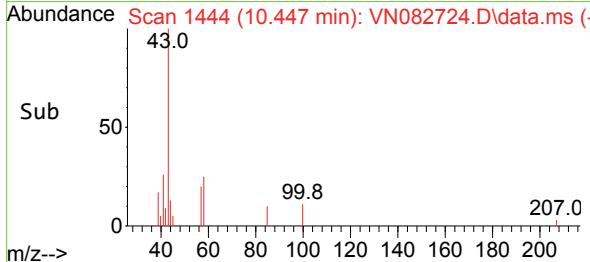
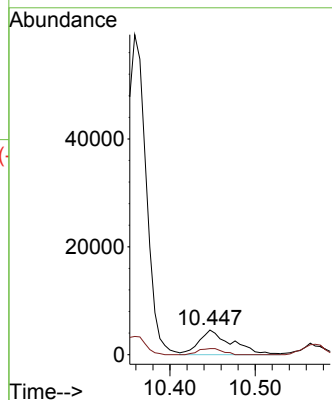
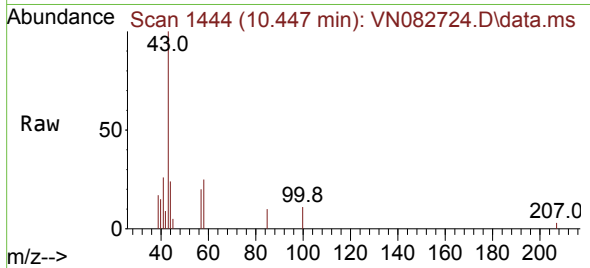




#51
4-Methyl-2-Pentanone
Concen: 4.005 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

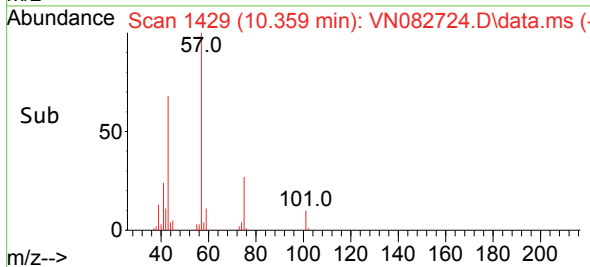
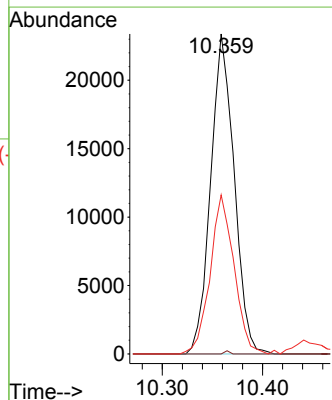
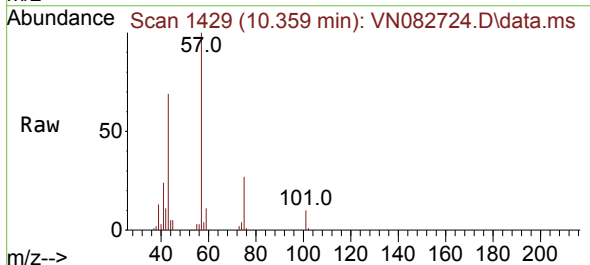
Instrument :
MSVOA_N
ClientSampleId :

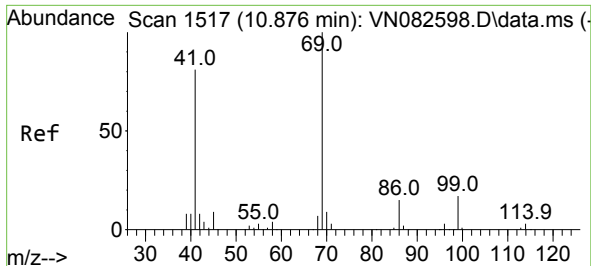
Tgt Ion: 43 Resp: 12232
Ion Ratio Lower Upper
43 100
58 18.3 28.2 42.4#



#54
cis-1,3-Dichloropropene
Concen: 12.526 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

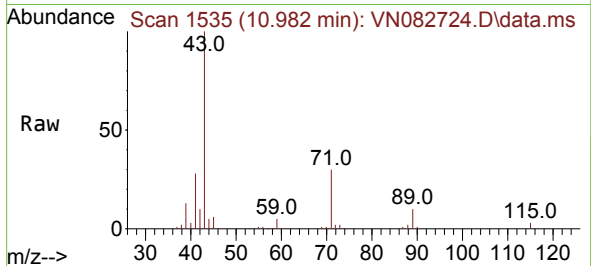
Tgt Ion: 75 Resp: 38072
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 49.7 50.5 75.7#



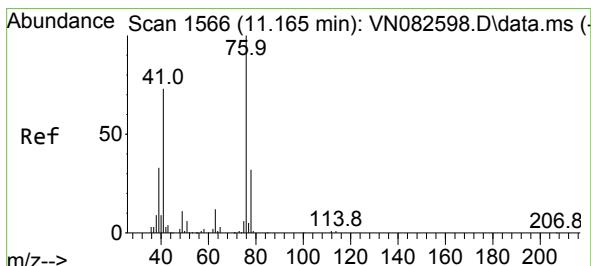
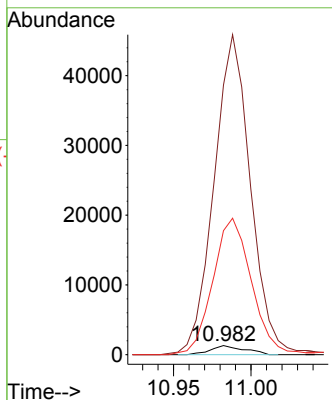
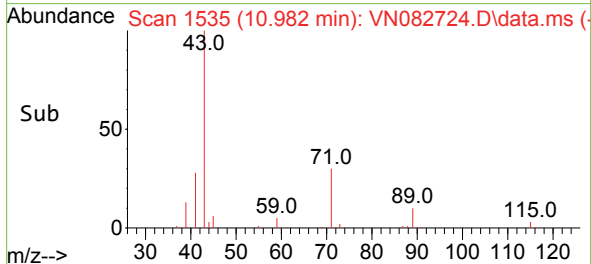


#56
Ethyl methacrylate
Concen: 0.708 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

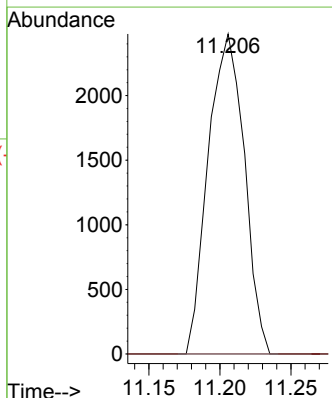
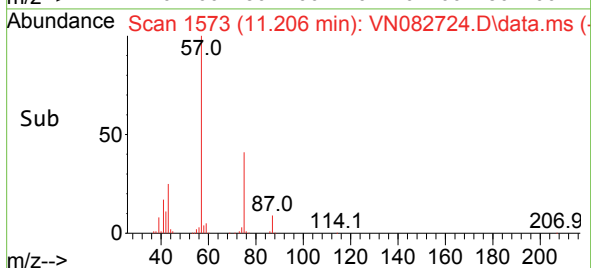
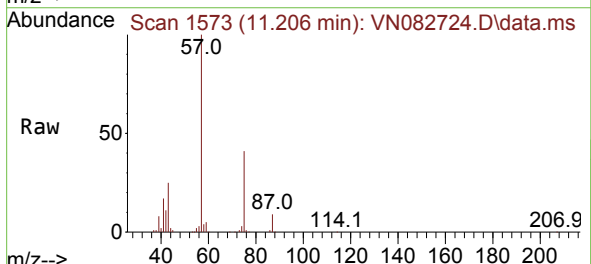


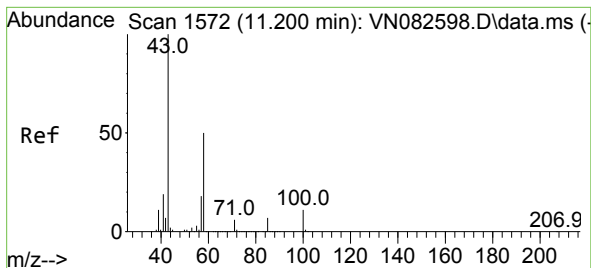
Tgt Ion: 69 Resp: 1988
Ion Ratio Lower Upper
69 100
41 3791.6 63.4 95.2#
39 1709.2 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.398 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

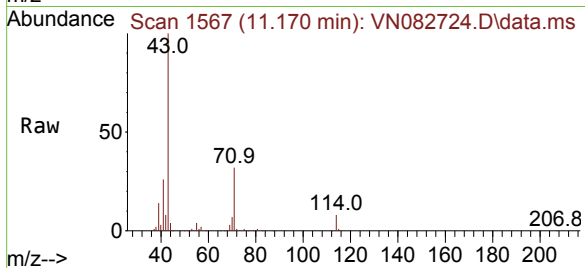
Tgt Ion: 76 Resp: 4380
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



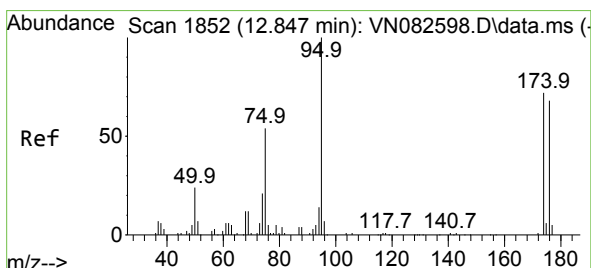
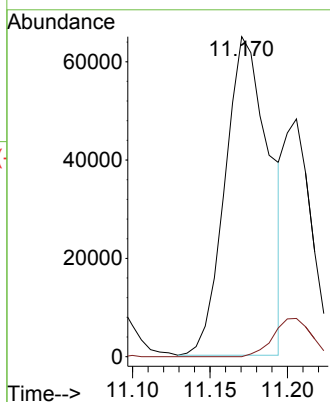
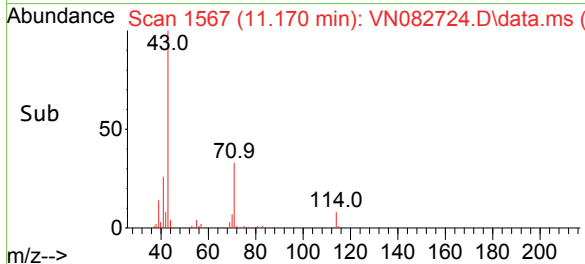


#59
2-Hexanone
Concen: 55.161 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.029 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

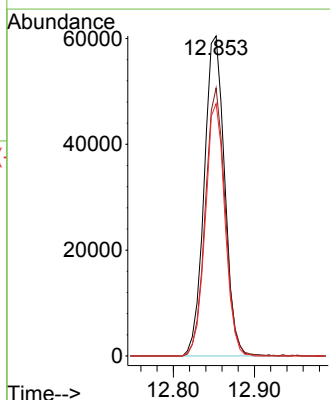
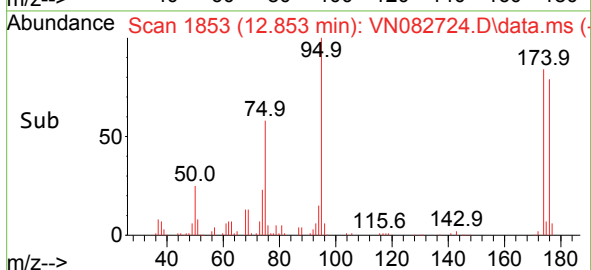
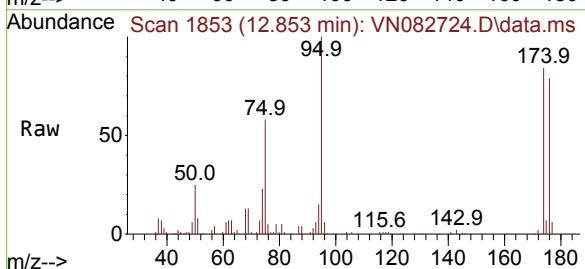


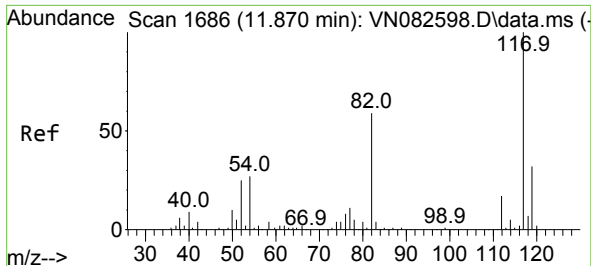
Tgt Ion: 43 Resp: 128046
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.303 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion: 95 Resp: 105375
Ion Ratio Lower Upper
95 100
174 81.7 0.0 159.2
176 76.0 0.0 147.6

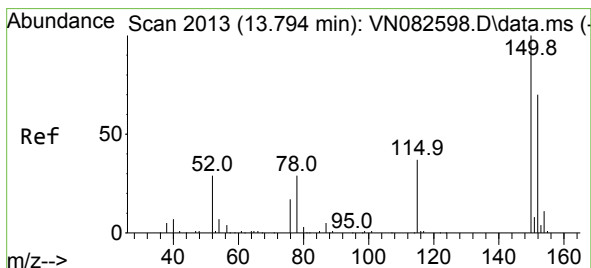
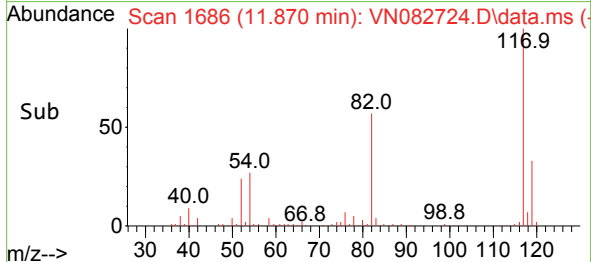
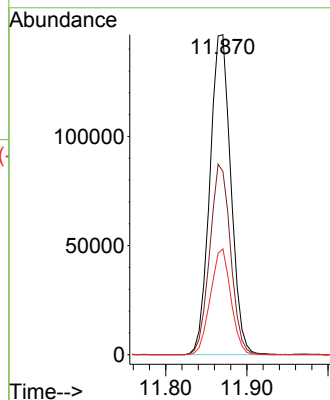
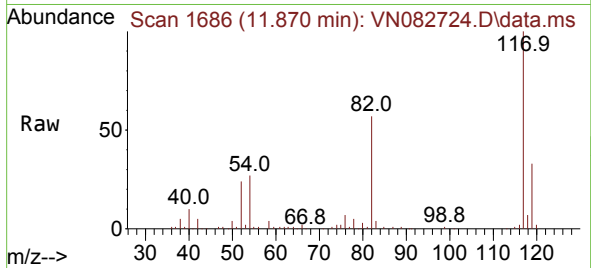




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

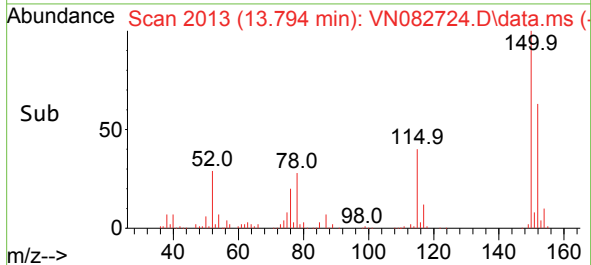
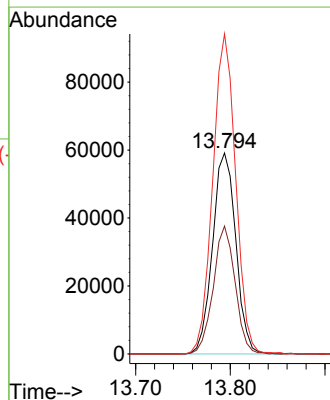
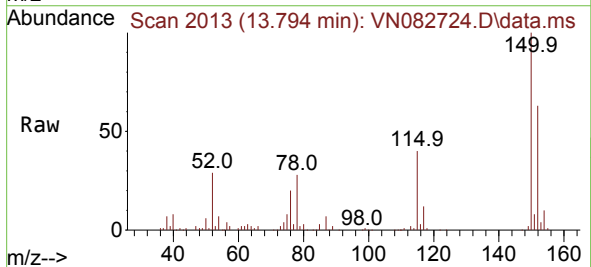
Instrument :
MSVOA_N
ClientSampleId :

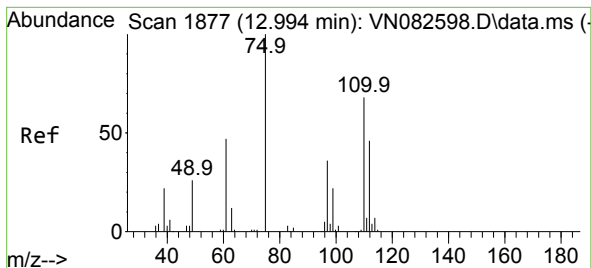
Tgt Ion:117 Resp: 263878
Ion Ratio Lower Upper
117 100
82 57.2 47.5 71.3
119 33.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082724.D
Acq: 25 Jun 2024 17:49

Tgt Ion:152 Resp: 100892
Ion Ratio Lower Upper
152 100
115 59.8 30.6 91.6
150 156.7 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 24.877 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

Instrument :

MSVOA_N

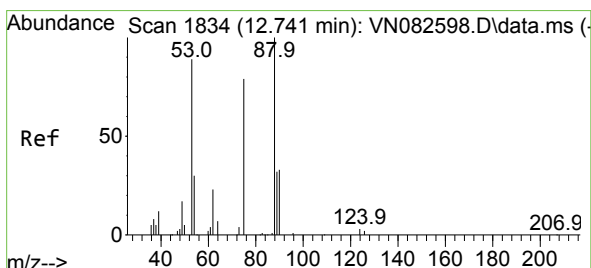
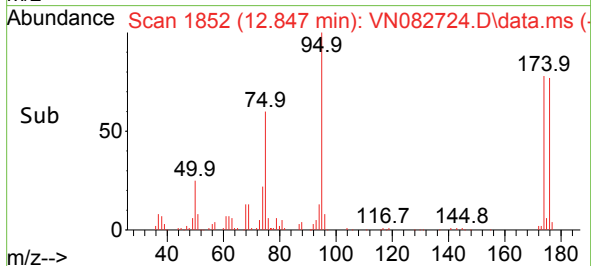
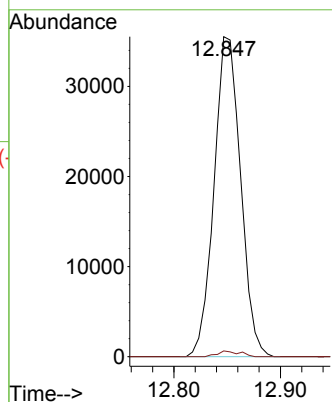
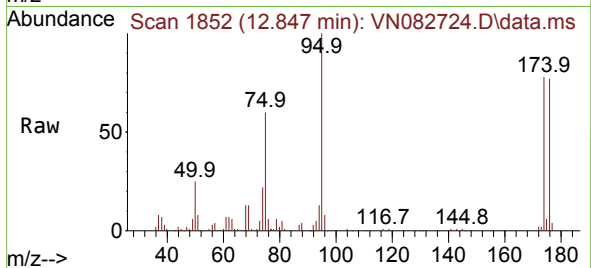
ClientSampleId :

Tgt Ion: 75 Resp: 61388

Ion Ratio Lower Upper

75 100

77 1.5 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.516 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082724.D

Acq: 25 Jun 2024 17:49

Tgt Ion: 75 Resp: 61388

Ion Ratio Lower Upper

75 100

53 0.2 88.4 132.6#

89 0.0 36.3 54.5#

