

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082684.D
 Acq On : 21 Jun 2024 17:46
 Operator : JC\MD
 Sample : PB161606ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

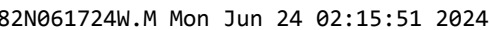
Quant Time: Jun 24 02:15:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

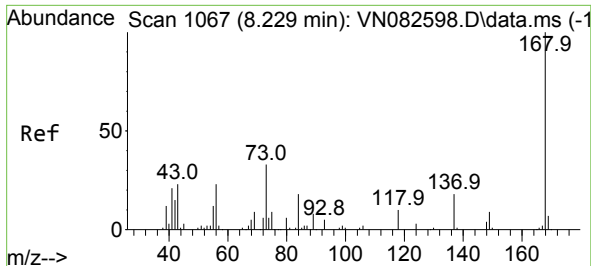
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	121744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	250505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116788	59.820	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.640%	
35) Dibromofluoromethane	8.165	113	85293	52.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.940%	
50) Toluene-d8	10.571	98	326730	53.654	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.300%	
62) 4-Bromofluorobenzene	12.853	95	102687	48.911	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	531	0.425	ug/l	84
11) Tert butyl alcohol	5.559	59	354	1.108	ug/l #	71
16) Acetone	4.436	43	32082	36.133	ug/l	98
18) Methyl Acetate	5.024	43	1060	0.488	ug/l #	56
20) Methylene Chloride	5.271	84	3780	2.422	ug/l #	78
25) 2-Butanone	7.495	43	6243	4.947	ug/l #	86
29) Tetrahydrofuran	7.859	42	770	0.997	ug/l #	53
31) Cyclohexane	8.230	56	3493	1.240	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	11341	4.711	ug/l #	51
37) Ethyl Acetate	7.577	43	4026	1.313	ug/l #	87
38) Carbon Tetrachloride	8.230	117	13674	5.040	ug/l #	17
42) 1,2-Dichloroethane	8.689	62	1137	0.402	ug/l #	78
43) Isopropyl Acetate	8.694	43	234248	40.877	ug/l #	82
48) Methyl methacrylate	9.671	41	4631	1.960	ug/l #	52
51) 4-Methyl-2-Pentanone	10.447	43	11775	4.006	ug/l #	76
53) t-1,3-Dichloropropene	10.730	75	761	0.269	ug/l #	56
54) cis-1,3-Dichloropropene	10.365	75	44821	15.323	ug/l #	68
56) Ethyl methacrylate	10.983	69	1911	0.707	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6509	2.158	ug/l #	43
59) 2-Hexanone	11.206	43	88350	39.548	ug/l #	60
74) N-amyl acetate	12.482	43	2491	0.640	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	59650	25.403	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	59650	60.774	ug/l #	6

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

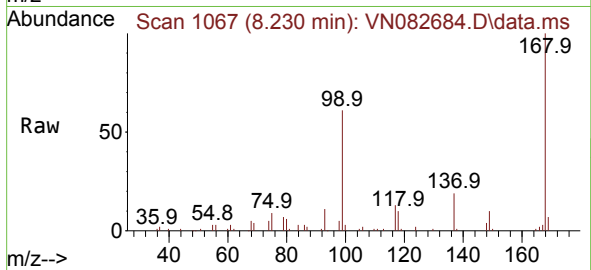
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



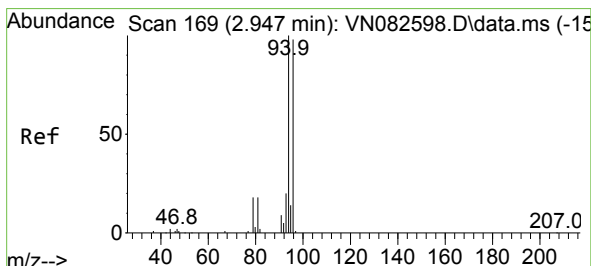
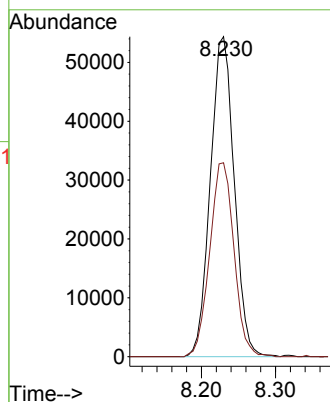
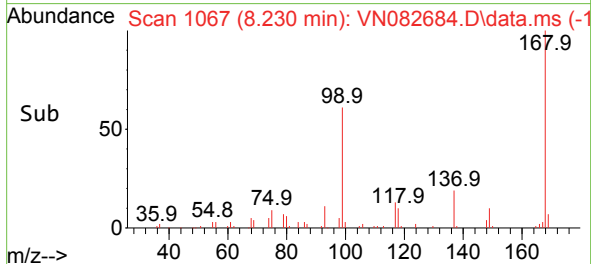


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

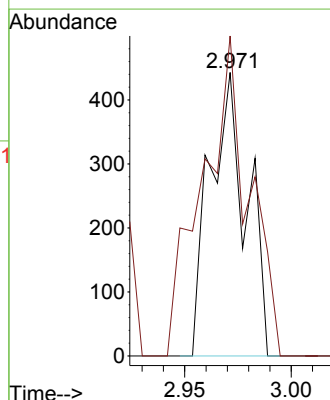
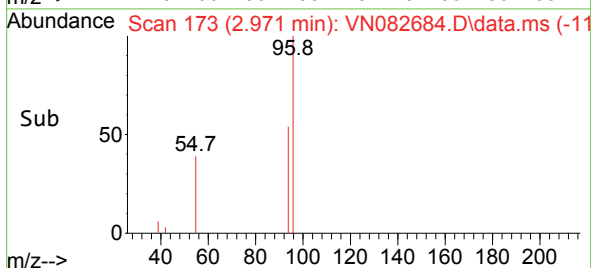
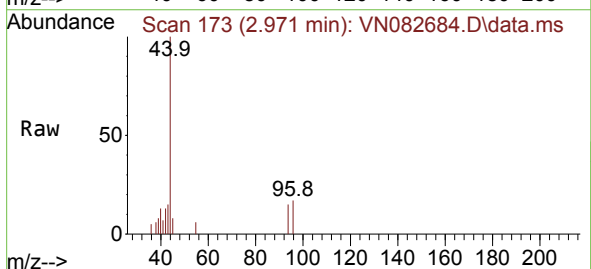


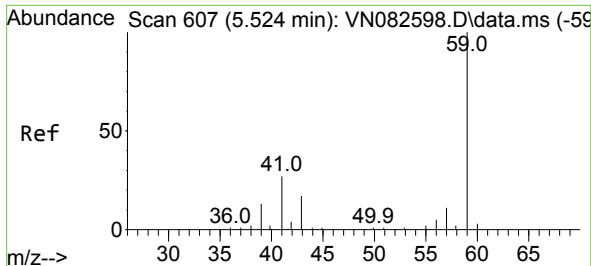
Tgt Ion:168 Resp: 121744
Ion Ratio Lower Upper
168 100
99 60.6 48.2 72.4



#5
Bromomethane
Concen: 0.425 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

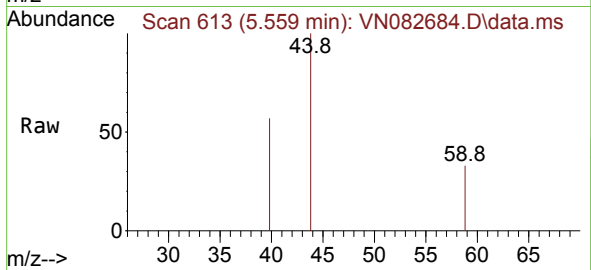
Tgt Ion: 94 Resp: 531
Ion Ratio Lower Upper
94 100
96 112.9 78.0 117.0



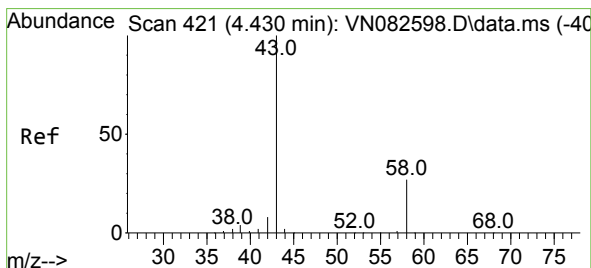
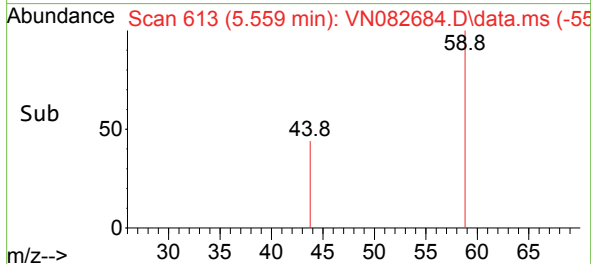
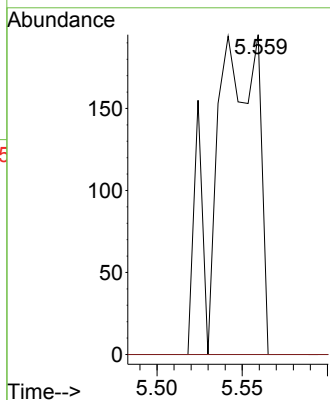


#11
Tert butyl alcohol
Concen: 1.108 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.036 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

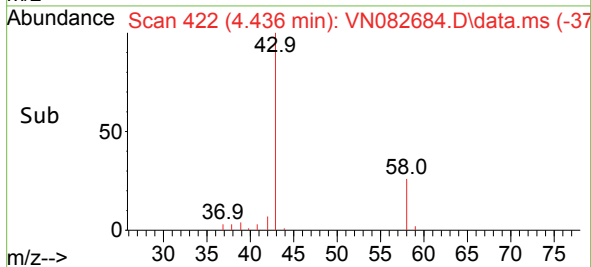
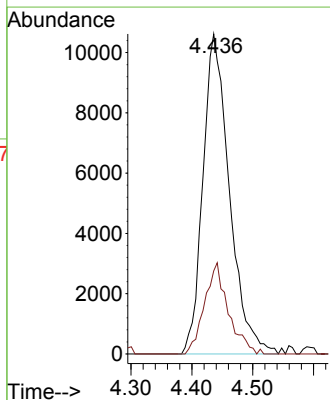
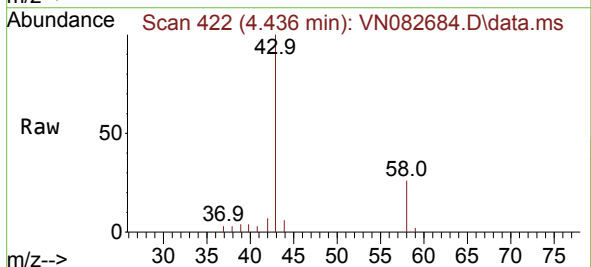


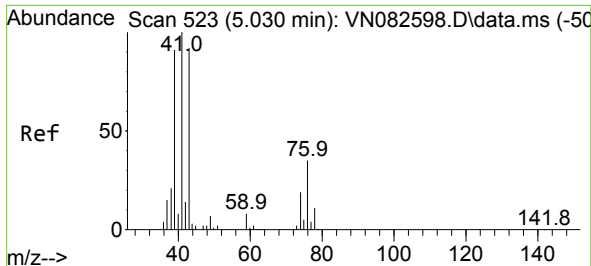
Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 36.133 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

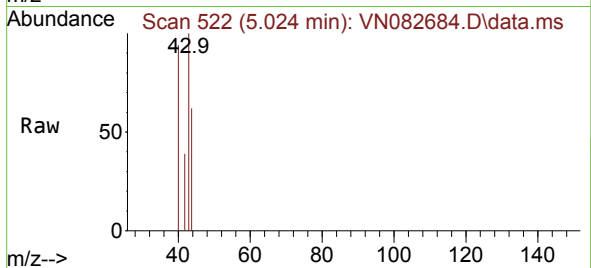
Tgt Ion: 43 Resp: 32082
Ion Ratio Lower Upper
43 100
58 25.9 21.8 32.6



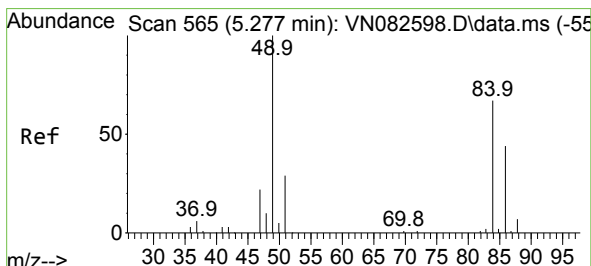
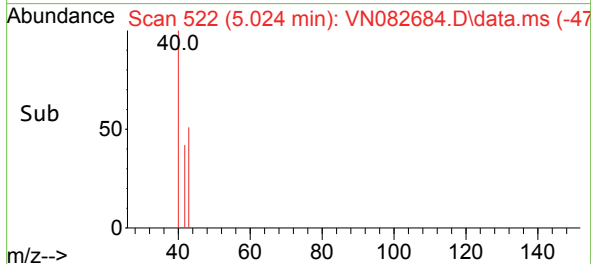
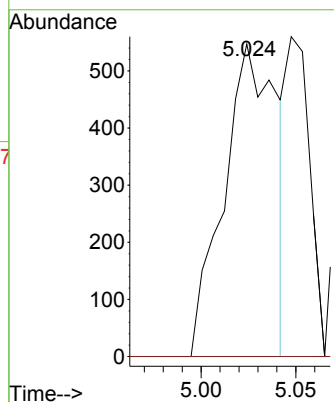


#18
Methyl Acetate
Concen: 0.488 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

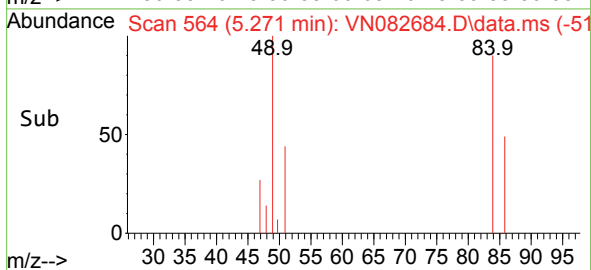
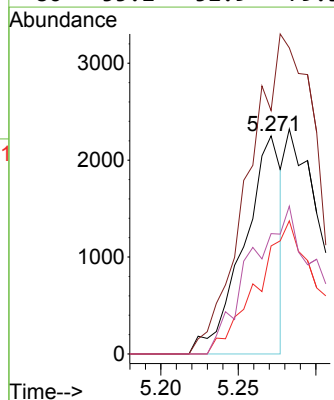
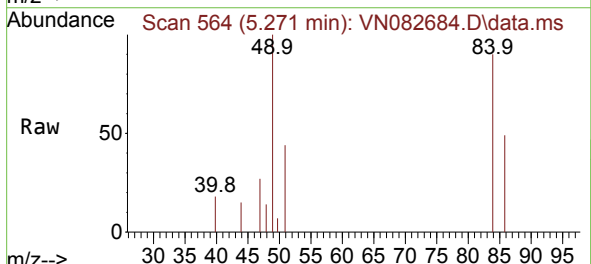


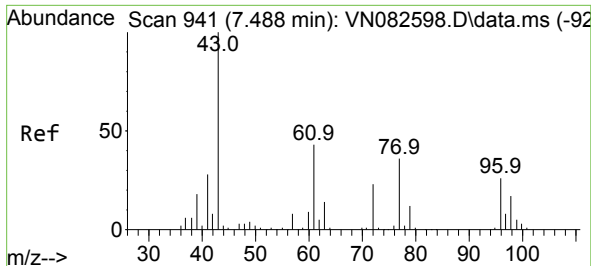
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 2.422 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Tgt Ion: 84 Resp: 3780
Ion Ratio Lower Upper
84 100
49 111.6 119.6 179.4#
51 49.6 34.8 52.2
86 55.2 52.9 79.3

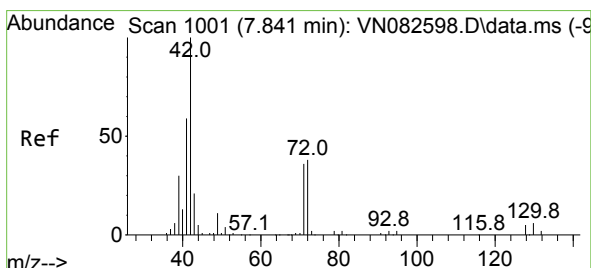
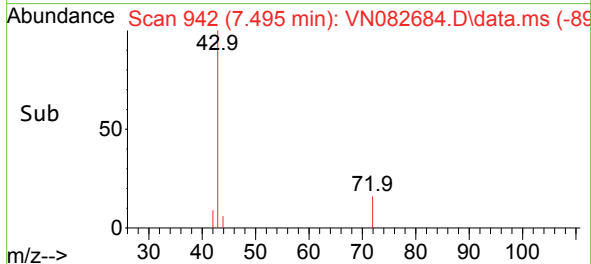
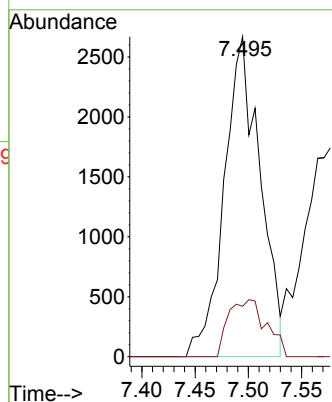
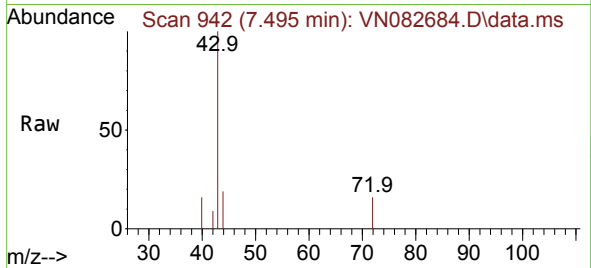




#25
2-Butanone
Concen: 4.947 ug/l
RT: 7.495 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

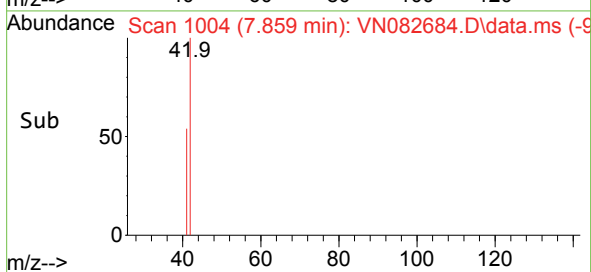
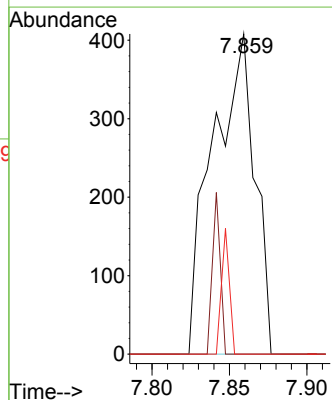
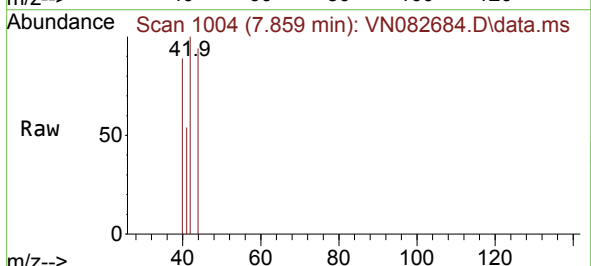
Instrument :
MSVOA_N
ClientSampleId :

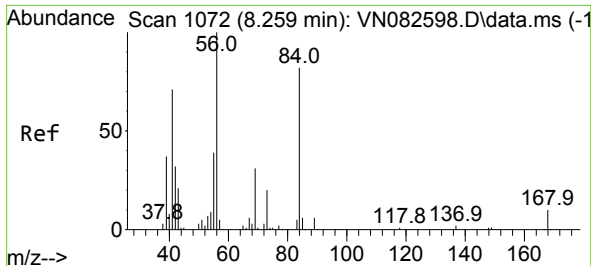
Tgt Ion: 43 Resp: 6243
Ion Ratio Lower Upper
43 100
72 15.8 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.997 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

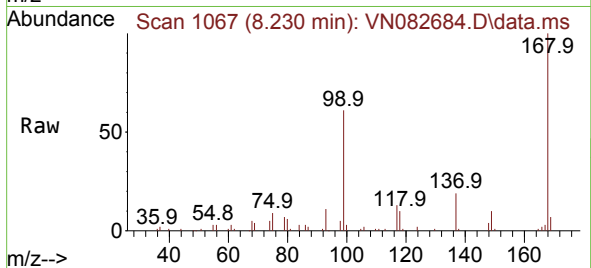
Tgt Ion: 42 Resp: 770
Ion Ratio Lower Upper
42 100
72 9.5 30.0 45.0#
71 7.3 28.3 42.5#



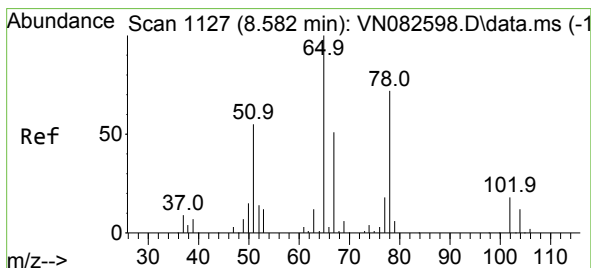
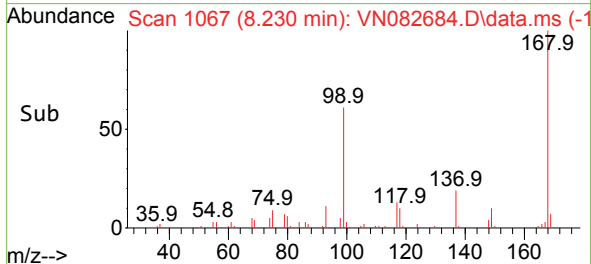
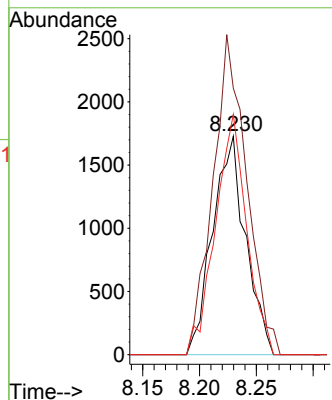


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

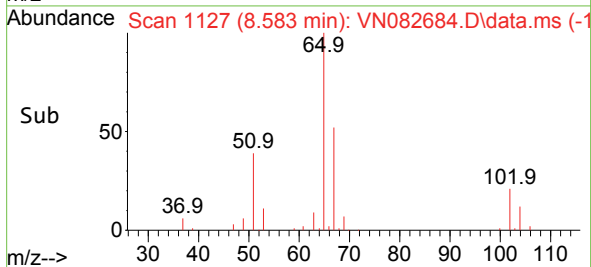
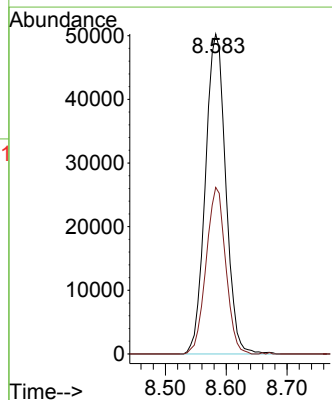
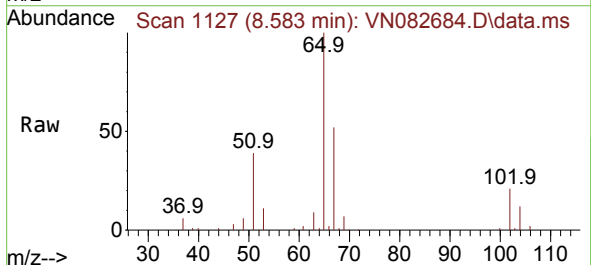


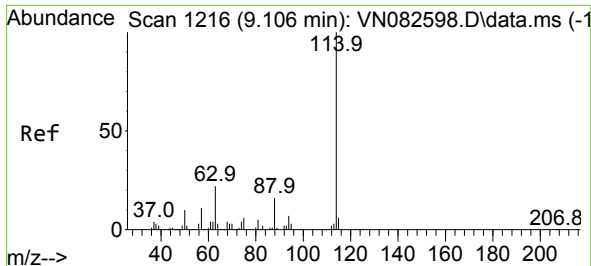
Tgt Ion: 56 Resp: 3493
Ion Ratio Lower Upper
56 100
69 122.0 24.5 36.7#
84 110.0 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 59.820 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

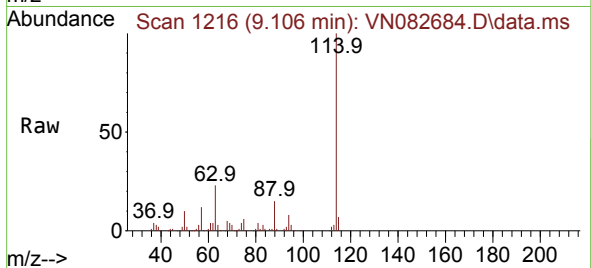
Tgt Ion: 65 Resp: 116788
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.4



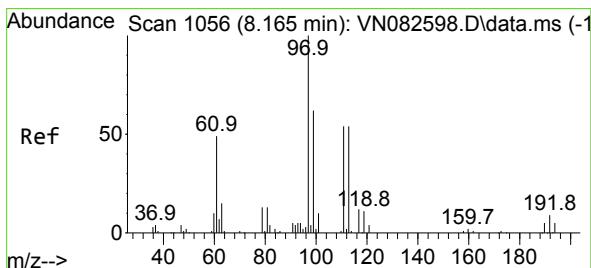
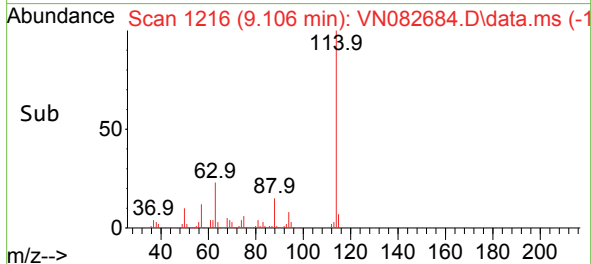
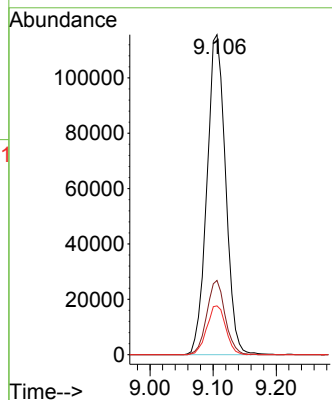


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

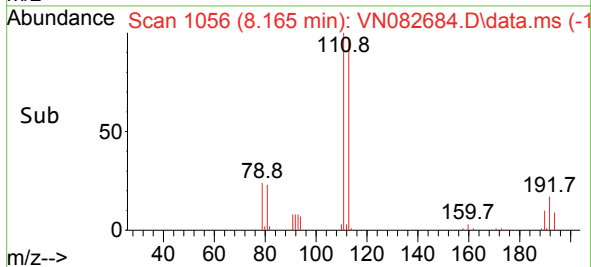
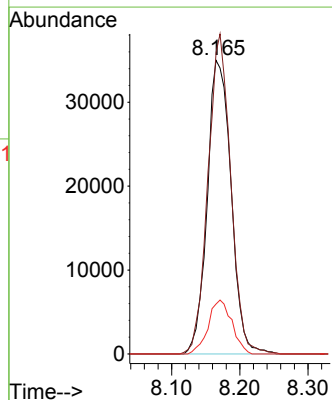
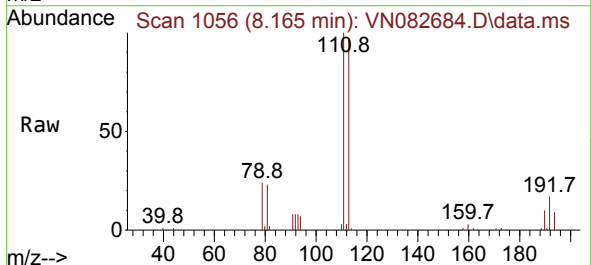


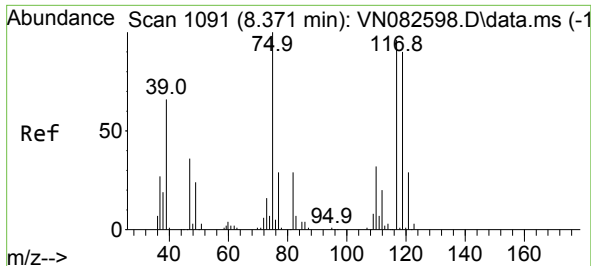
Tgt Ion:114 Resp: 237371
Ion Ratio Lower Upper
114 100
63 23.2 0.0 44.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.967 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Tgt Ion:113 Resp: 85293
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 18.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

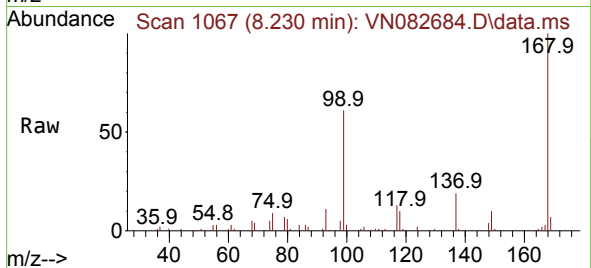
Lab File: VN082684.D

Acq: 21 Jun 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :



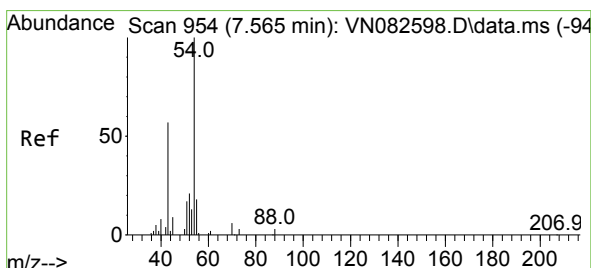
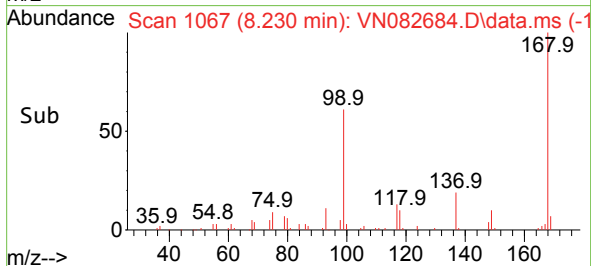
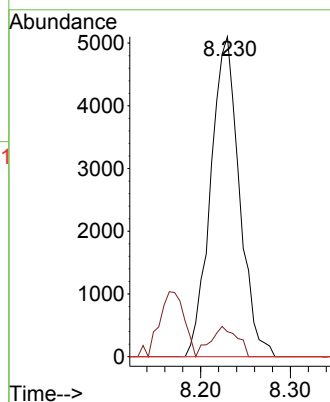
Tgt Ion: 75 Resp: 11341

Ion Ratio Lower Upper

75 100

110 8.7 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.313 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.012 min

Lab File: VN082684.D

Acq: 21 Jun 2024 17:46

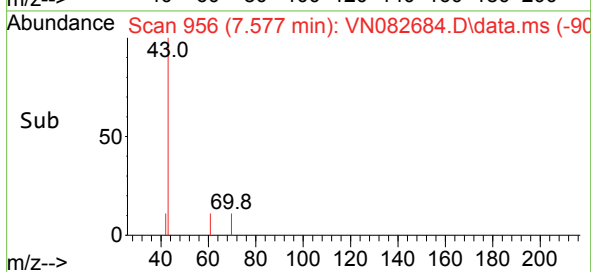
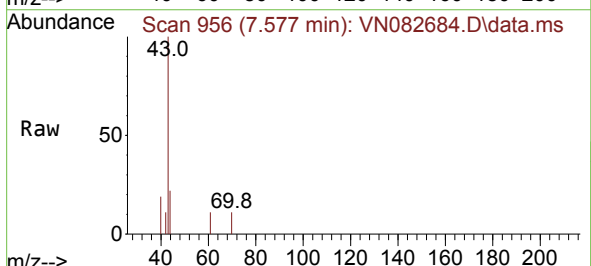
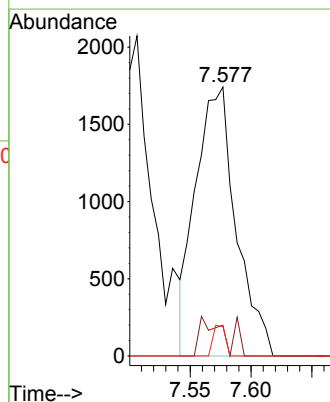
Tgt Ion: 43 Resp: 4026

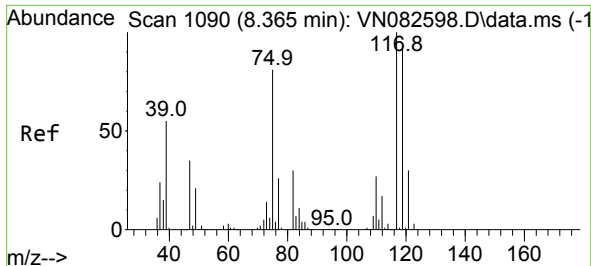
Ion Ratio Lower Upper

43 100

61 7.1 9.3 13.9#

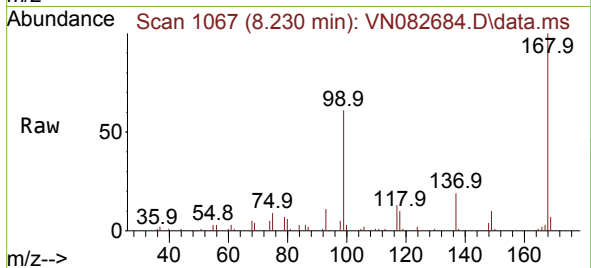
70 3.4 7.0 10.6#



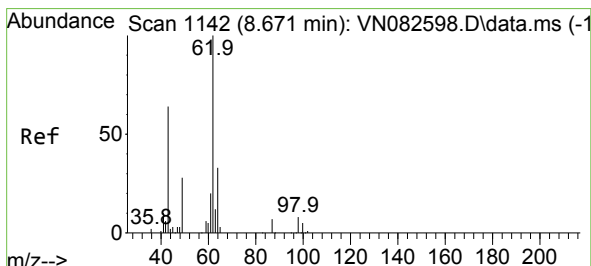
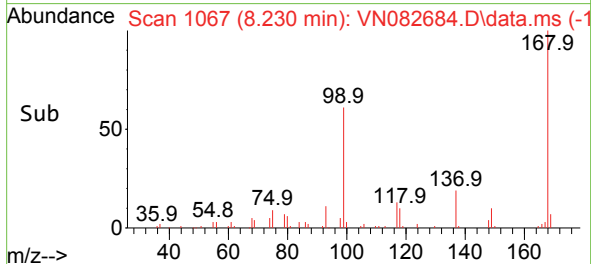
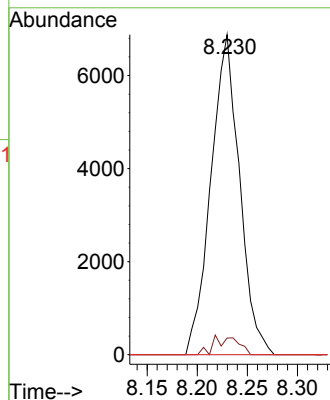


#38
Carbon Tetrachloride
Concen: 5.040 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :

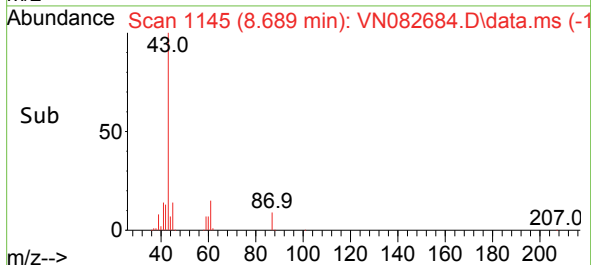
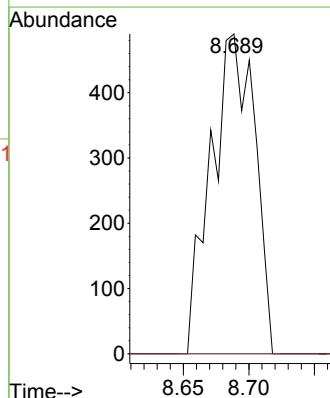
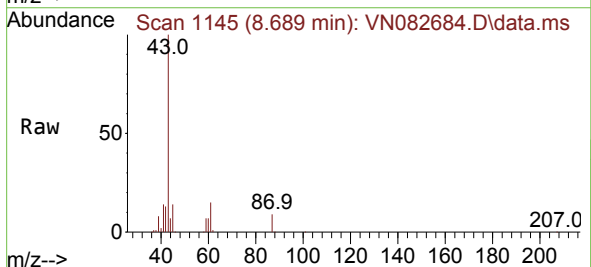


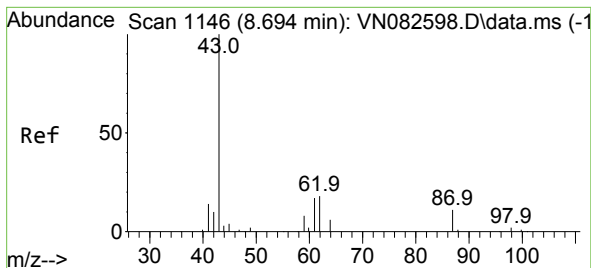
Tgt Ion:117 Resp: 13674
Ion Ratio Lower Upper
117 100
119 5.2 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.402 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Tgt Ion: 62 Resp: 1137
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 40.877 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082684.D

Acq: 21 Jun 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

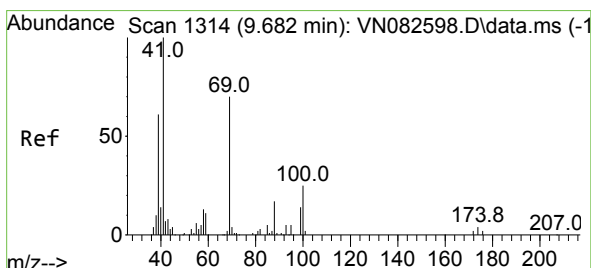
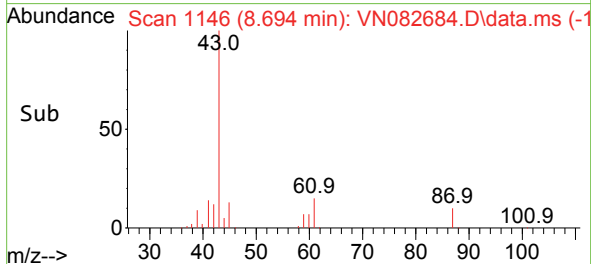
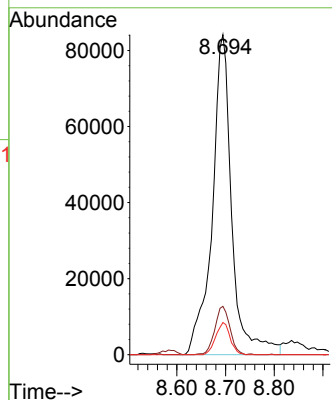
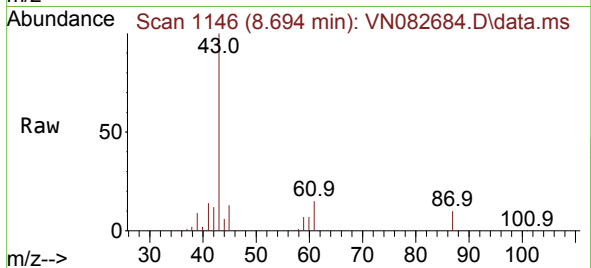
Tgt Ion: 43 Resp: 234248

Ion Ratio Lower Upper

43 100

61 11.6 17.8 26.6#

87 7.3 8.2 12.2#



#48

Methyl methacrylate

Concen: 1.960 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082684.D

Acq: 21 Jun 2024 17:46

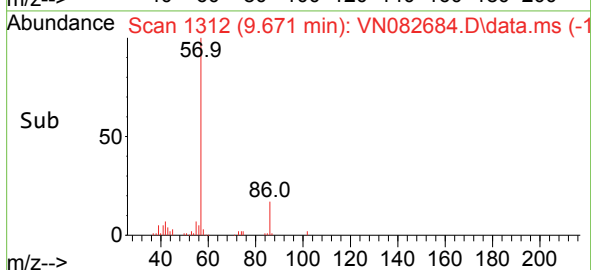
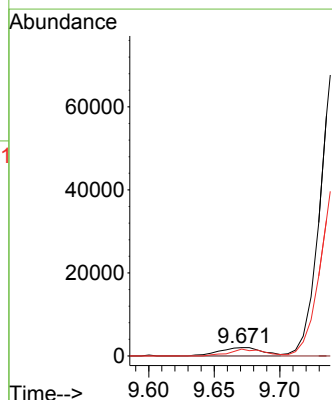
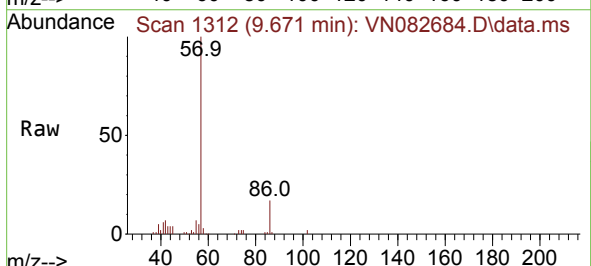
Tgt Ion: 41 Resp: 4631

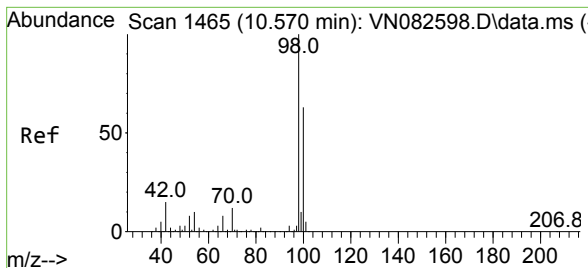
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 67.2 50.3 75.5

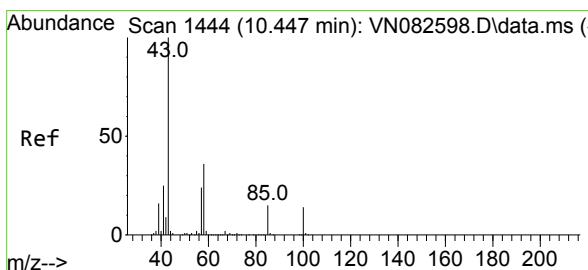
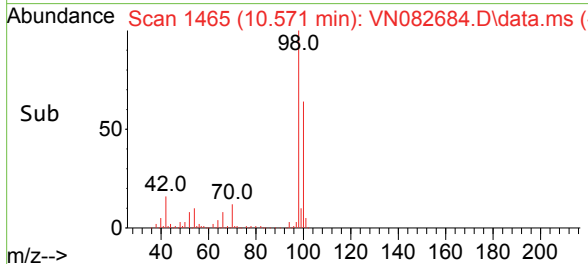
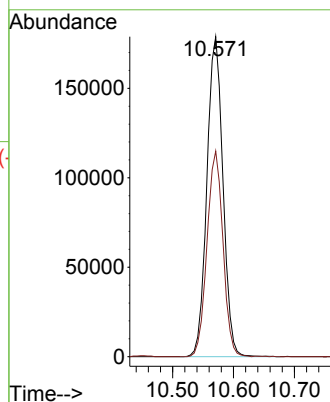
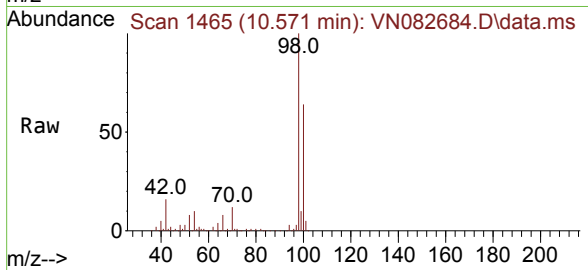




#50
Toluene-d8
Concen: 53.654 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

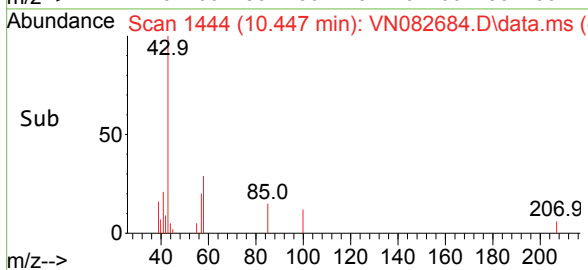
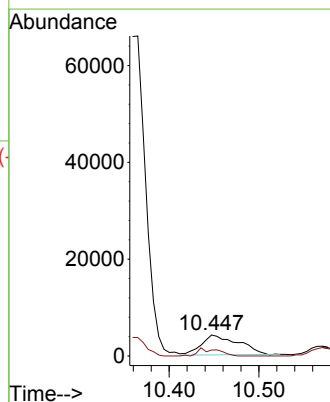
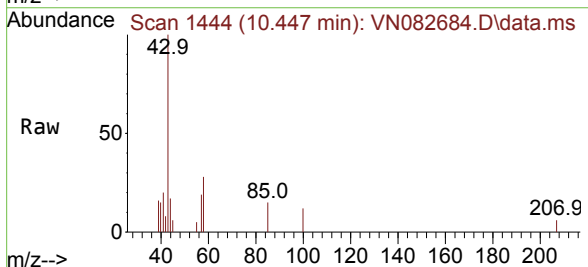
Instrument :
MSVOA_N
ClientSampleId :

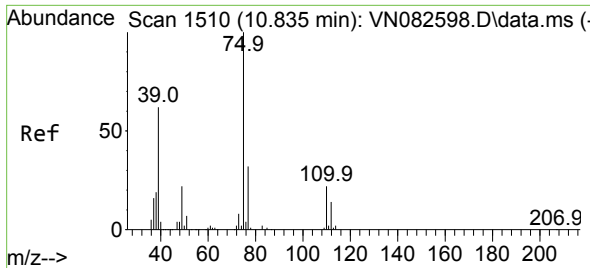
Tgt Ion: 98 Resp: 326730
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.006 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

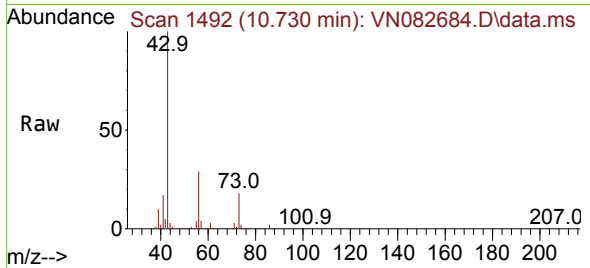
Tgt Ion: 43 Resp: 11775
Ion Ratio Lower Upper
43 100
58 21.6 28.2 42.4#



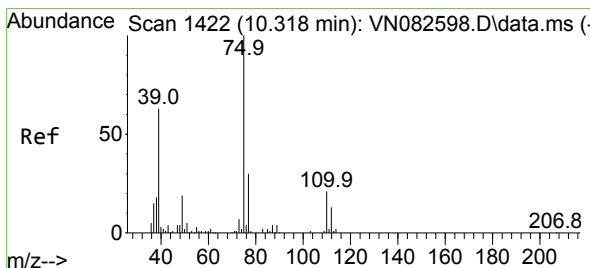
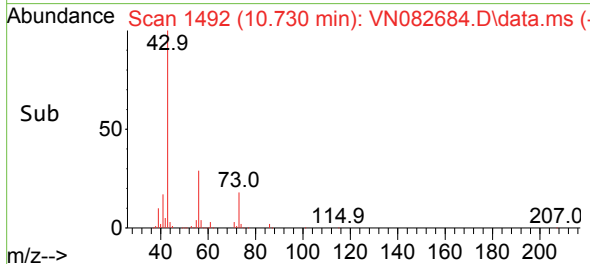
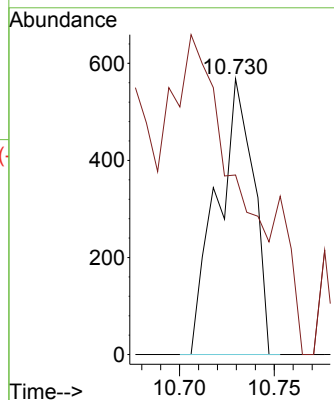


#53
 t-1,3-Dichloropropene
 Concen: 0.269 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082684.D
 Acq: 21 Jun 2024 17:46

Instrument :
 MSVOA_N
 ClientSampleId :

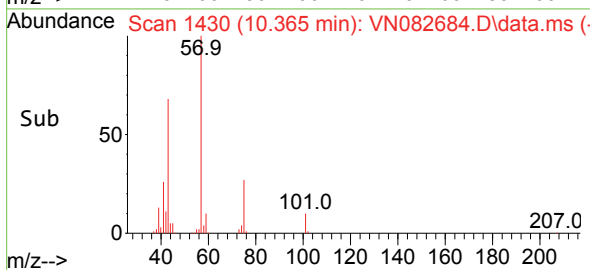
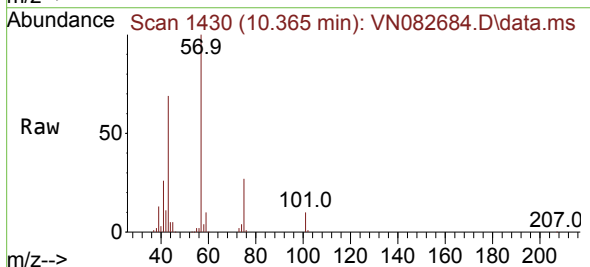
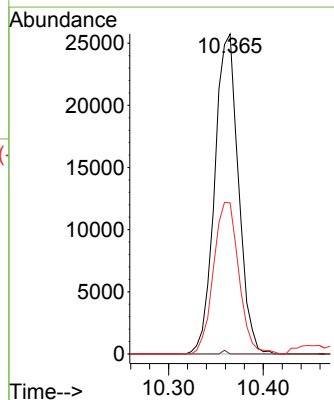


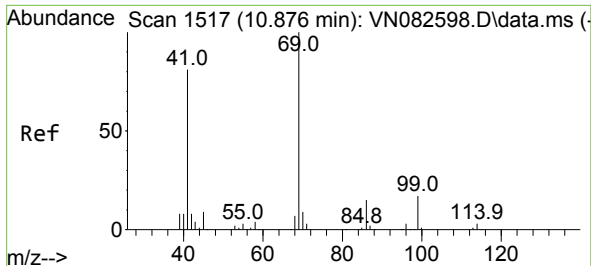
Tgt Ion: 75 Resp: 761
 Ion Ratio Lower Upper
 75 100
 77 7.7 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 15.323 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN082684.D
 Acq: 21 Jun 2024 17:46

Tgt Ion: 75 Resp: 44821
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.2 50.5 75.7#

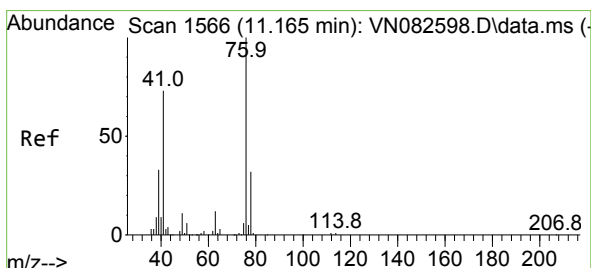
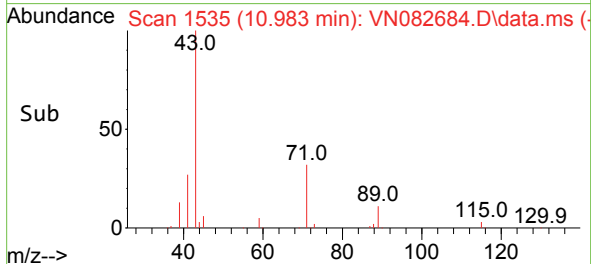
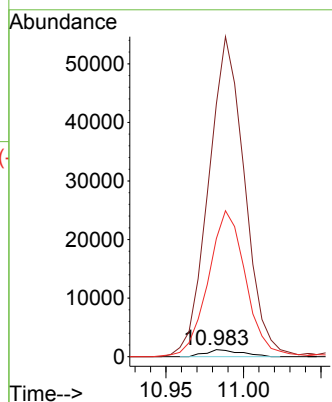
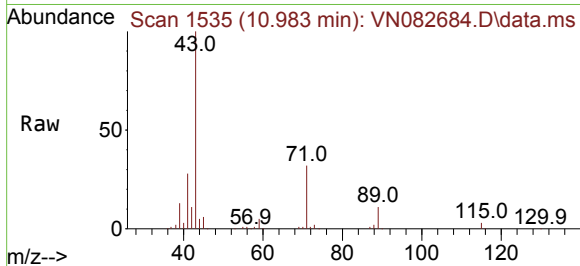




#56
Ethyl methacrylate
Concen: 0.707 ug/l
RT: 10.983 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

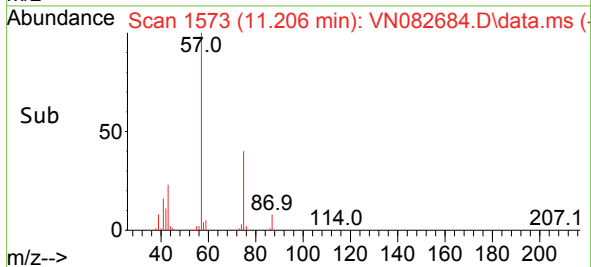
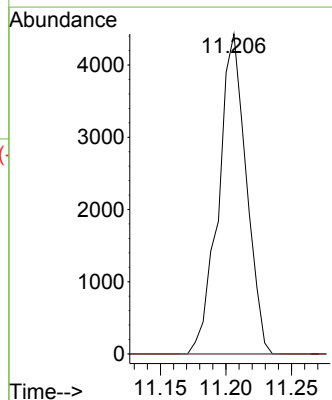
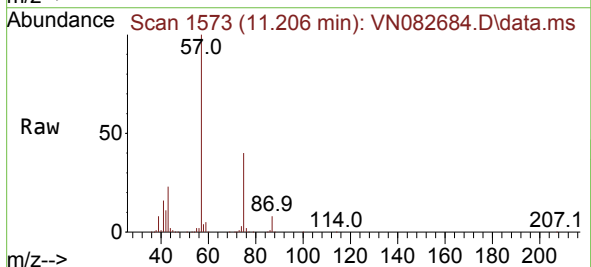
Instrument :
MSVOA_N
ClientSampleId :

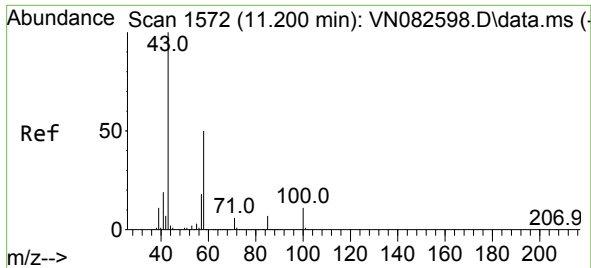
Tgt Ion: 69 Resp: 1911
Ion Ratio Lower Upper
69 100
41 4650.4 63.4 95.2#
39 2198.4 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.158 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

Tgt Ion: 76 Resp: 6509
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

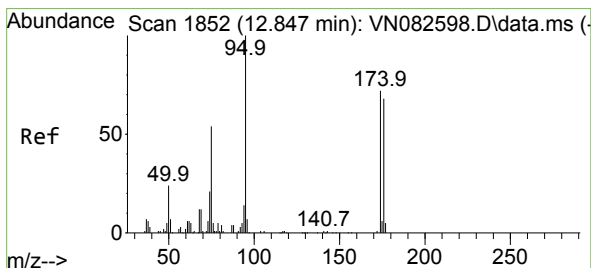
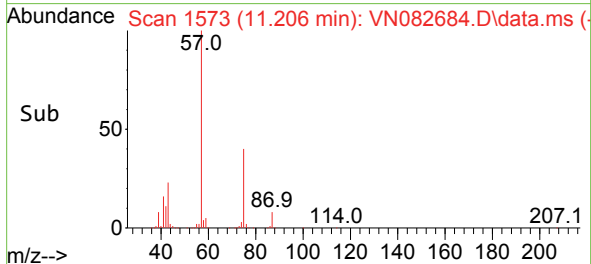
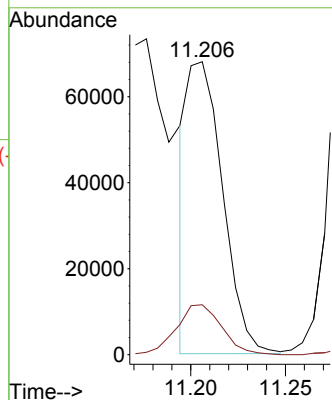
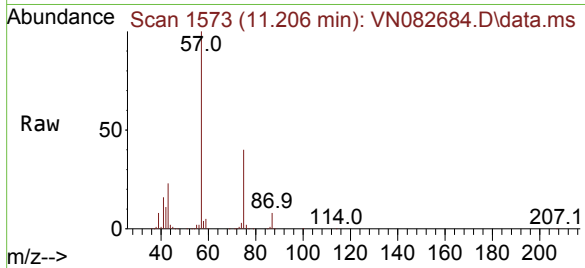




#59
2-Hexanone
Concen: 39.548 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

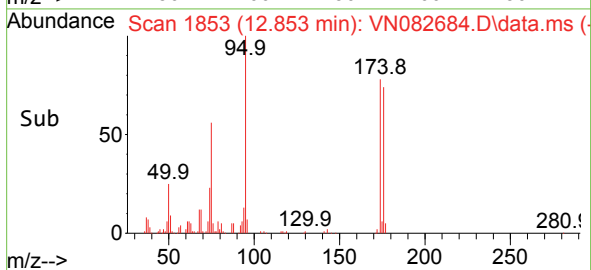
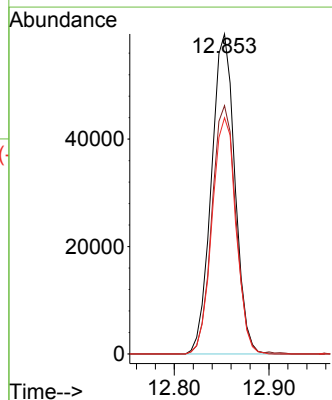
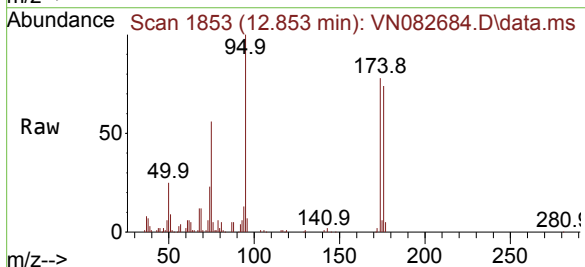
Instrument :
MSVOA_N
ClientSampleId :

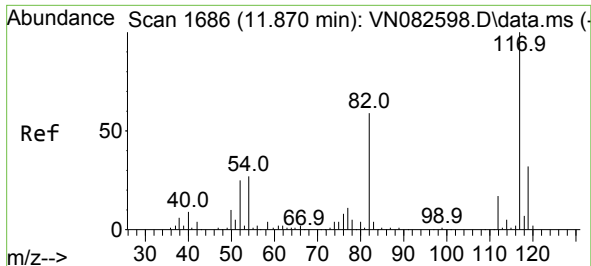
Tgt Ion: 43 Resp: 88350
Ion Ratio Lower Upper
43 100
58 22.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.911 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

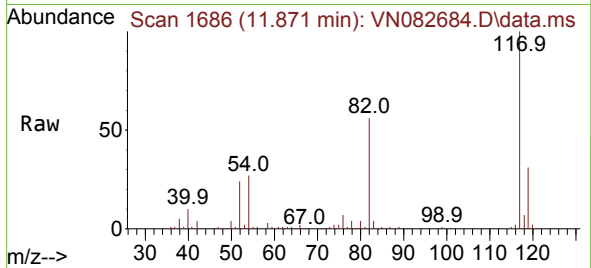
Tgt Ion: 95 Resp: 102687
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.2
176 75.2 0.0 147.6



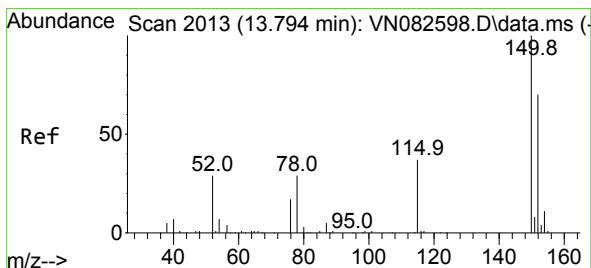
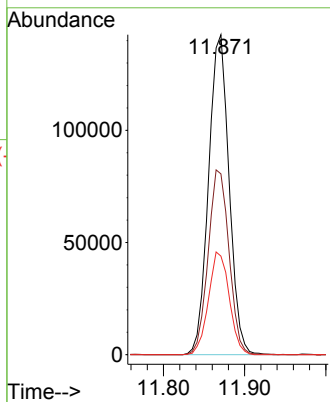
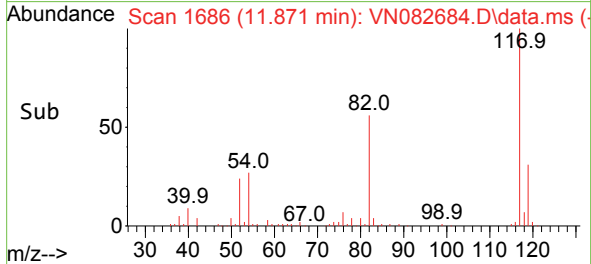


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46

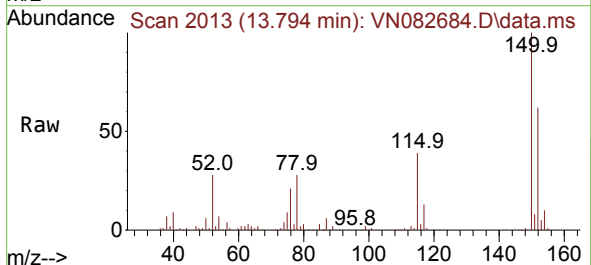
Instrument :
MSVOA_N
ClientSampleId :



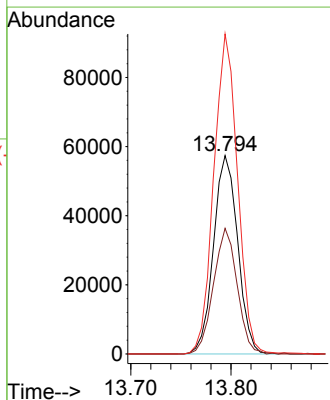
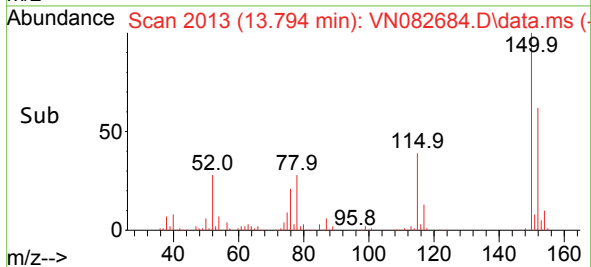
Tgt Ion:117 Resp: 250505
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 30.8 25.6 38.4

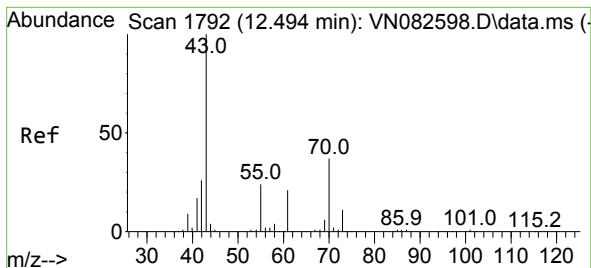


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082684.D
Acq: 21 Jun 2024 17:46



Tgt Ion:152 Resp: 96006
Ion Ratio Lower Upper
152 100
115 62.0 30.6 91.6
150 158.7 0.0 348.6





#74

N-amy1 acetate

Concen: 0.640 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.011 min

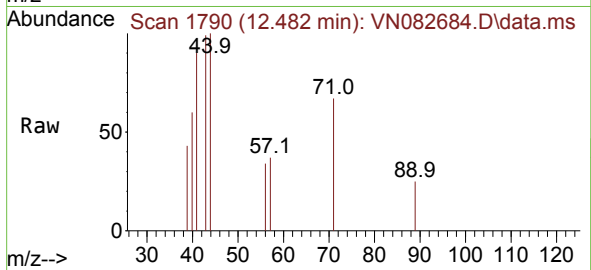
Lab File: VN082684.D

Acq: 21 Jun 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2491

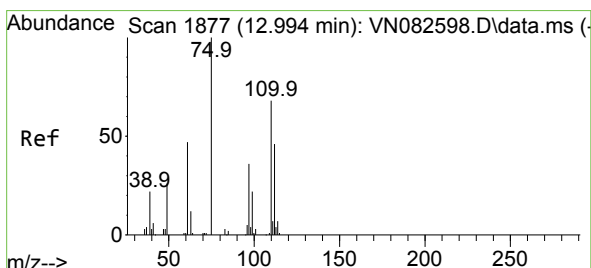
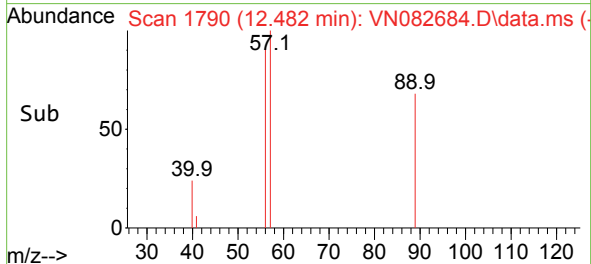
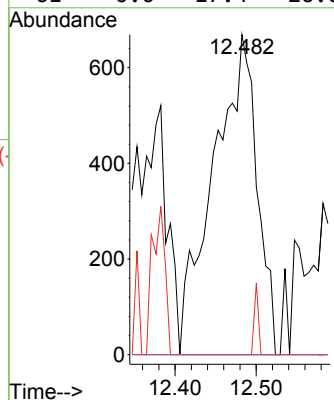
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 2.1 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 25.403 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082684.D

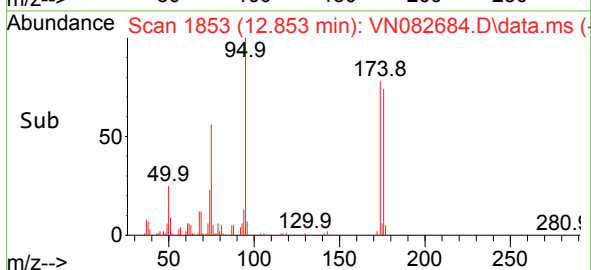
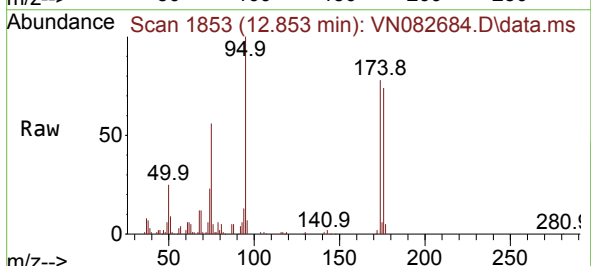
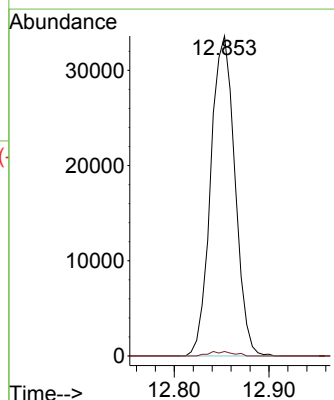
Acq: 21 Jun 2024 17:46

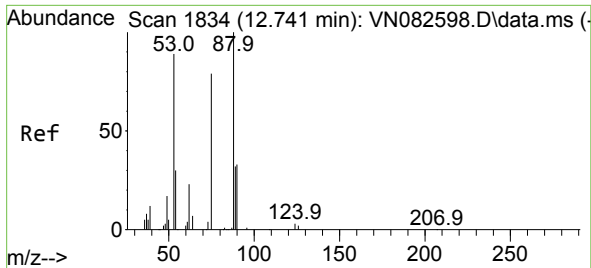
Tgt Ion: 75 Resp: 59650

Ion Ratio Lower Upper

75 100

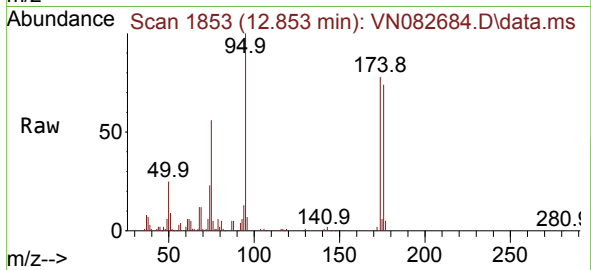
77 1.4 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.774 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082684.D
 Acq: 21 Jun 2024 17:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 59650
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.4 132.6#
 89 0.0 36.3 54.5#

