

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082709.D
 Acq On : 25 Jun 2024 11:43
 Operator : JC\MD
 Sample : PB161676ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:19:47 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)

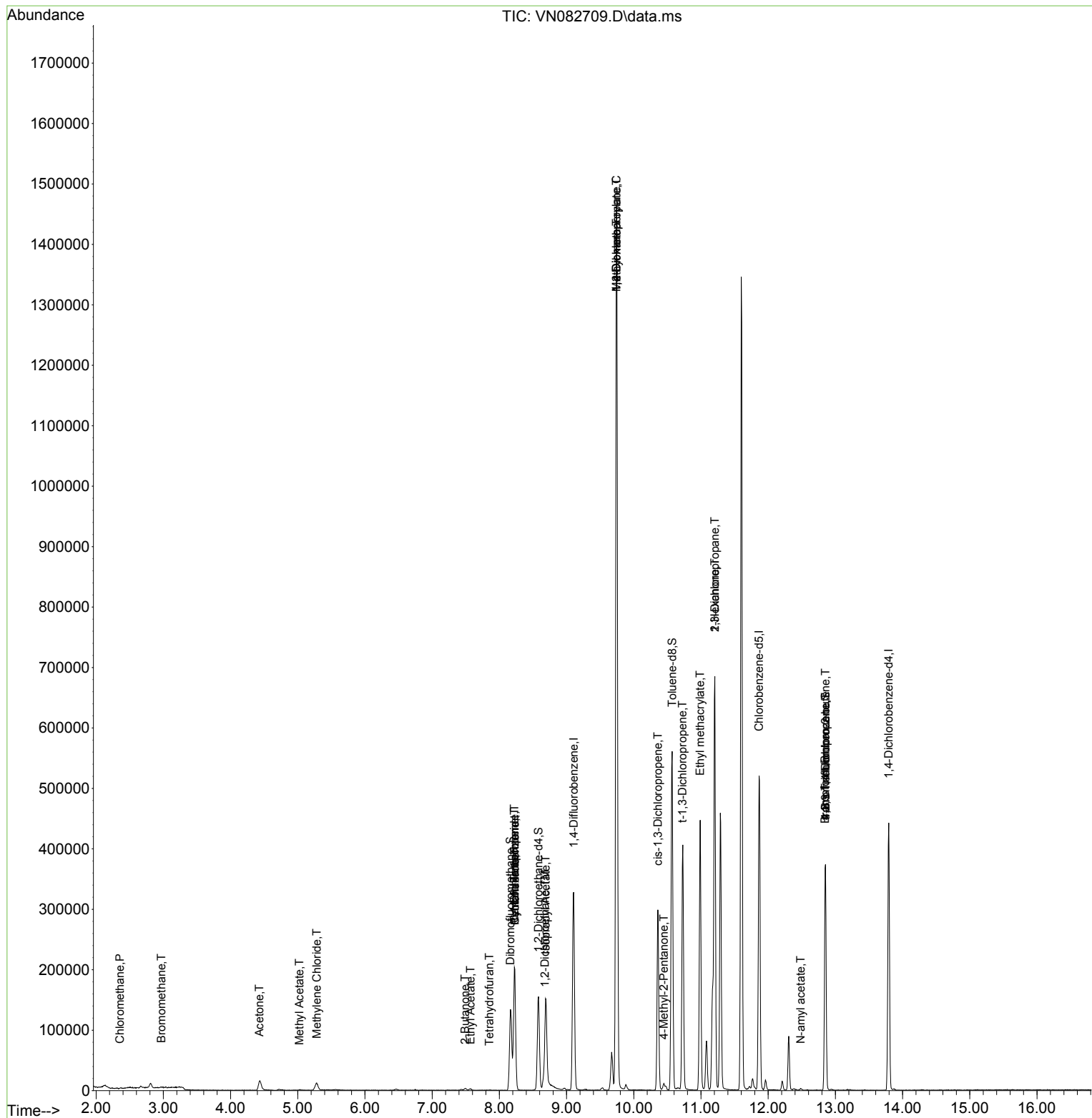
Internal Standards						
1) Pentafluorobenzene	8.229	168	140806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126846	56.176	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.360%			
35) Dibromofluoromethane	8.165	113	93541	51.874	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.740%			
50) Toluene-d8	10.571	98	363699	53.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.853	95	118247	50.296	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 100.600%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	532	0.226	ug/l #	85
5) Bromomethane	2.971	94	712	0.493	ug/l #	65
16) Acetone	4.430	43	31243	30.424	ug/l	99
18) Methyl Acetate	5.024	43	1595	0.635	ug/l #	65
20) Methylene Chloride	5.283	84	8612	4.770	ug/l	97
25) 2-Butanone	7.488	43	5138	3.520	ug/l #	89
29) Tetrahydrofuran	7.853	42	525	0.588	ug/l #	38
31) Cyclohexane	8.229	56	3884	1.192	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	12777	4.740	ug/l #	50
37) Ethyl Acetate	7.571	43	4088	1.191	ug/l #	92
38) Carbon Tetrachloride	8.224	117	14391	4.737	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	1063	0.336	ug/l #	78
43) Isopropyl Acetate	8.688	43	203781	31.756	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1839	0.858	ug/l #	44
48) Methyl methacrylate	9.741	41	151836	57.396	ug/l #	51
49) 1,4-Dioxane	9.741	88	66	1.595	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	13408	4.074	ug/l #	68
53) t-1,3-Dichloropropene	10.723	75	860	0.272	ug/l #	21
54) cis-1,3-Dichloropropene	10.359	75	45990	14.041	ug/l #	68
56) Ethyl methacrylate	10.988	69	2069	0.684	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6039	1.788	ug/l #	43
59) 2-Hexanone	11.206	43	102240	40.870	ug/l #	55
71) Bromoform	12.847	173	745	0.408	ug/l #	1
74) N-amyl acetate	12.482	43	1685	0.364	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	68868	24.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68868	58.992	ug/l #	6

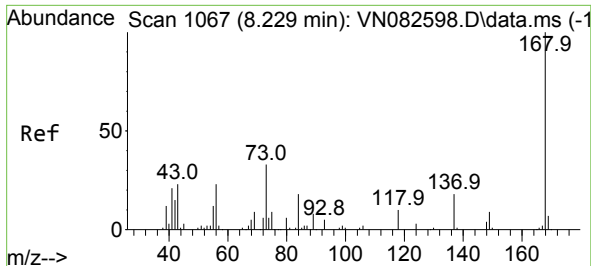
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
Data File : VN082709.D
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Sample : PB161676ZHE#01
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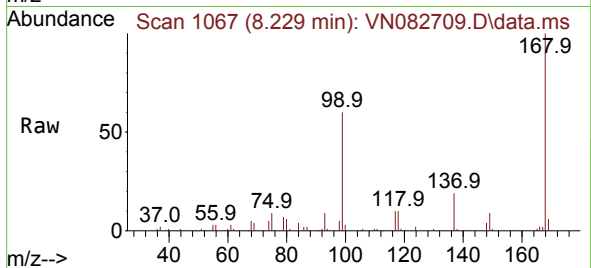
Quant Time: Jun 26 01:19:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
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QLast Update : Tue Jun 18 04:52:44 2024
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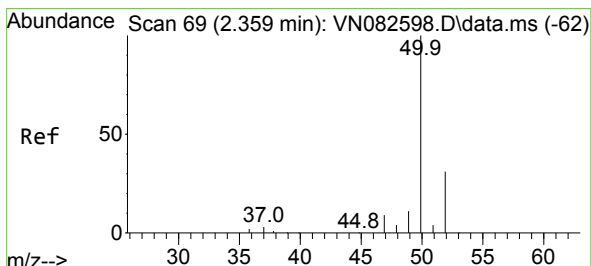
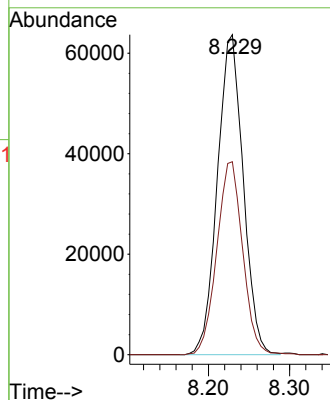
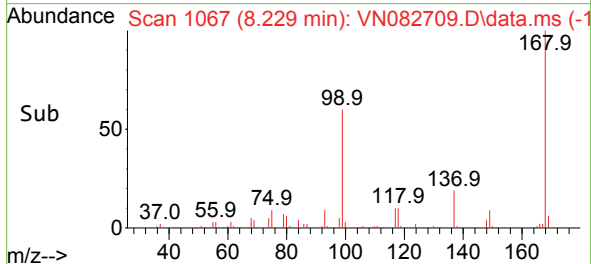


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

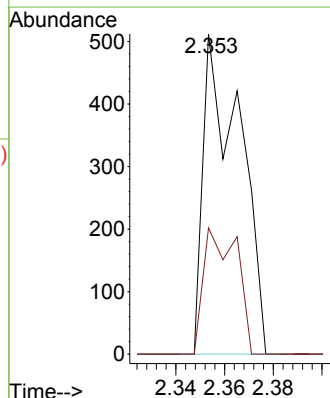
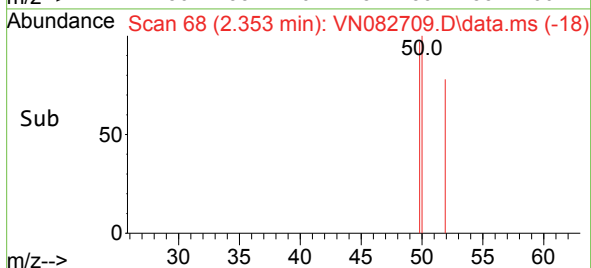
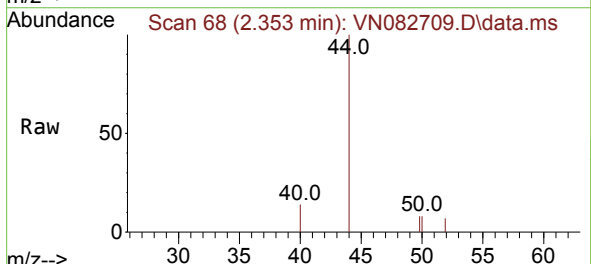


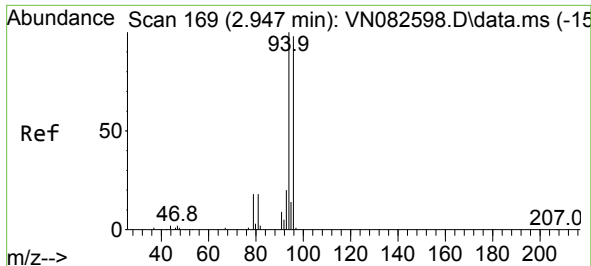
Tgt Ion:168 Resp: 140806
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 50 Resp: 532
Ion Ratio Lower Upper
50 100
52 39.5 25.0 37.4#

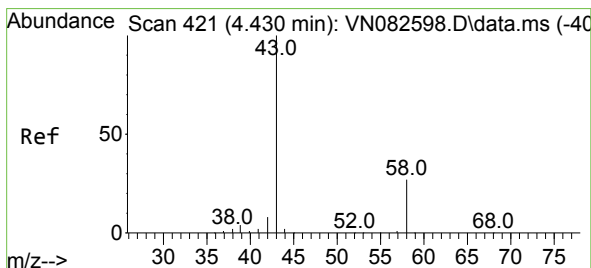
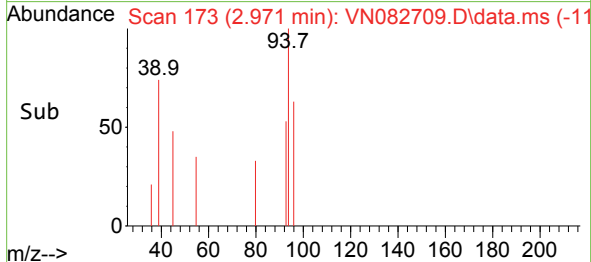
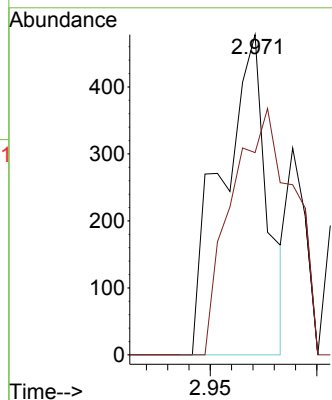
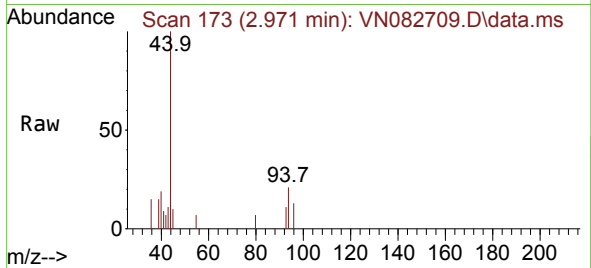




#5
Bromomethane
Concen: 0.493 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

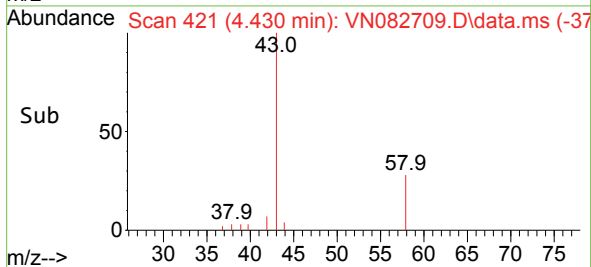
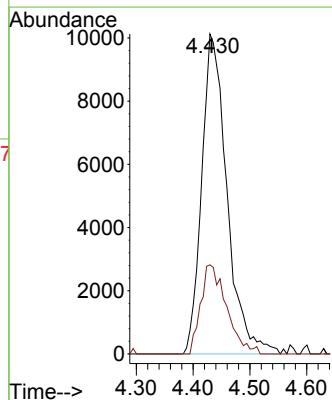
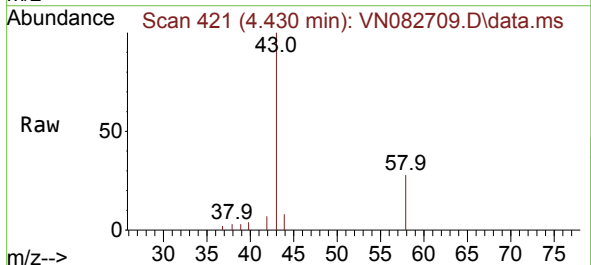
Instrument :
MSVOA_N
ClientSampleId :

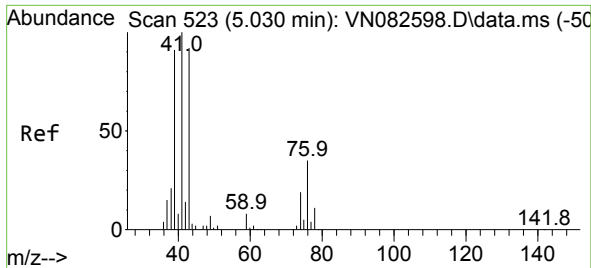
Tgt Ion: 94 Resp: 712
Ion Ratio Lower Upper
94 100
96 63.2 78.0 117.0#



#16
Acetone
Concen: 30.424 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

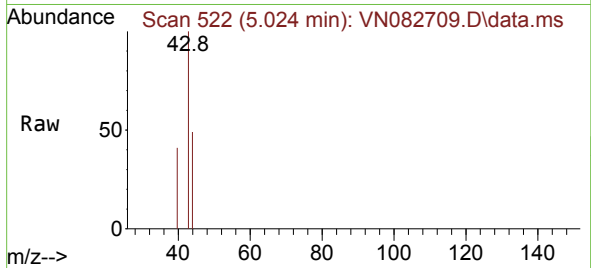
Tgt Ion: 43 Resp: 31243
Ion Ratio Lower Upper
43 100
58 27.9 21.8 32.6



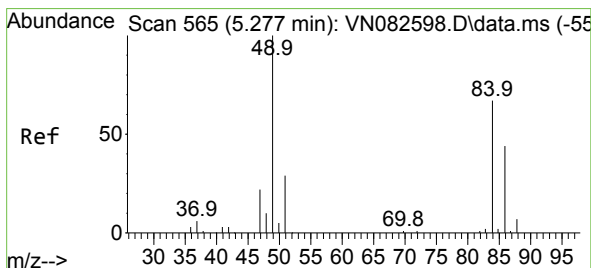
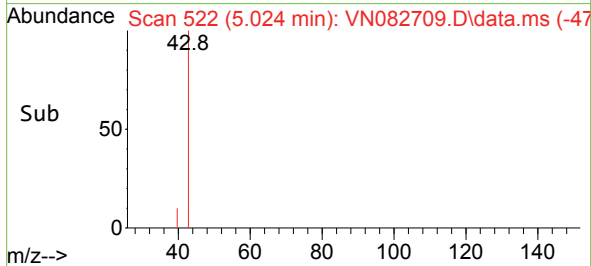
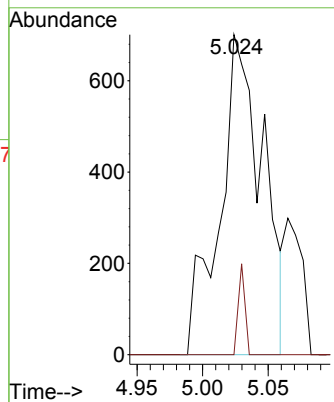


#18
Methyl Acetate
Concen: 0.635 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

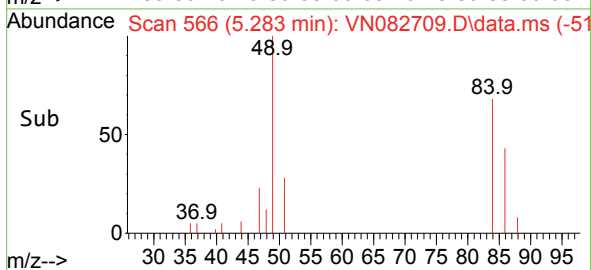
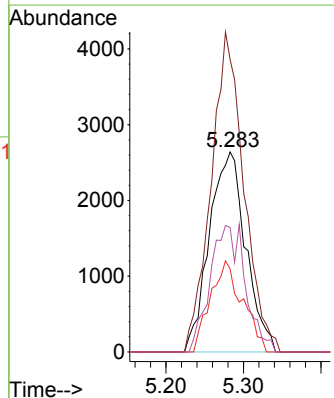
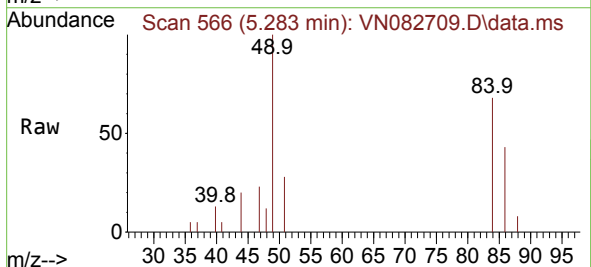


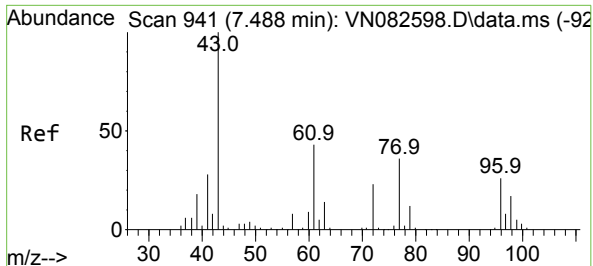
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
74 4.4 16.3 24.5#



#20
Methylene Chloride
Concen: 4.770 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 84 Resp: 8612
Ion Ratio Lower Upper
84 100
49 146.2 119.6 179.4
51 41.6 34.8 52.2
86 62.3 52.9 79.3





#25

2-Butanone

Concen: 3.520 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

Instrument :

MSVOA_N

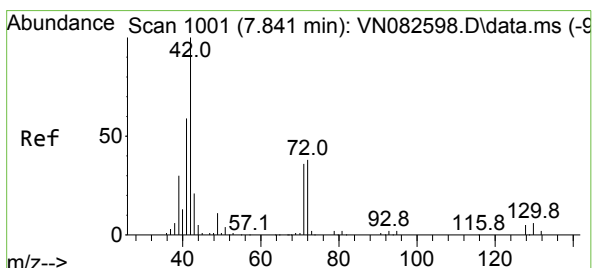
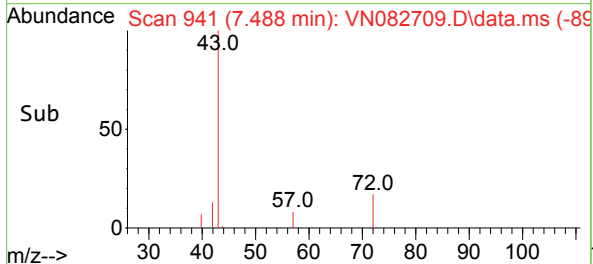
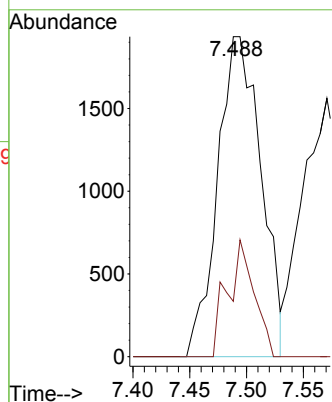
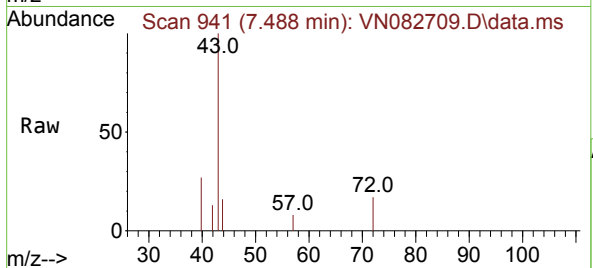
ClientSampleId :

Tgt Ion: 43 Resp: 5138

Ion Ratio Lower Upper

43 100

72 17.3 18.2 27.2#



#29

Tetrahydrofuran

Concen: 0.588 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

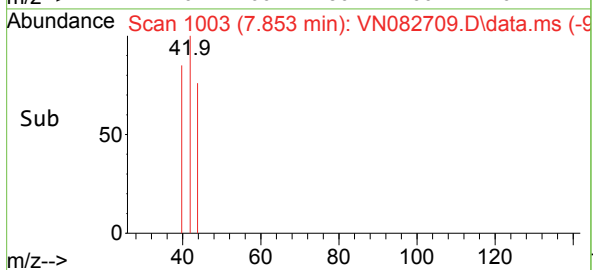
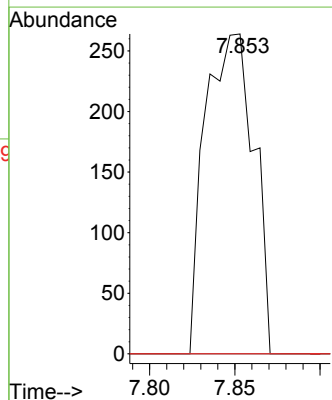
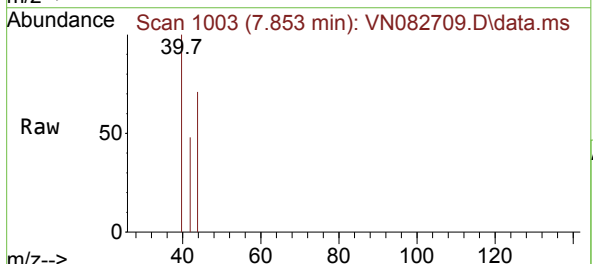
Tgt Ion: 42 Resp: 525

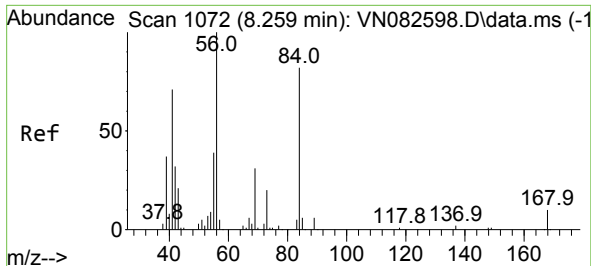
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

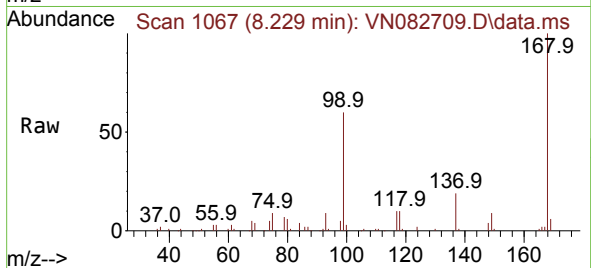
71 0.0 28.3 42.5#



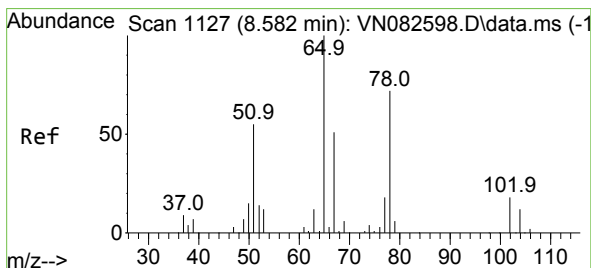
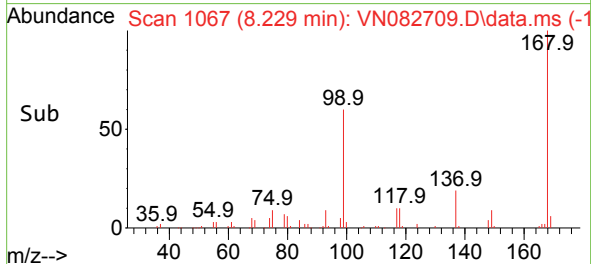
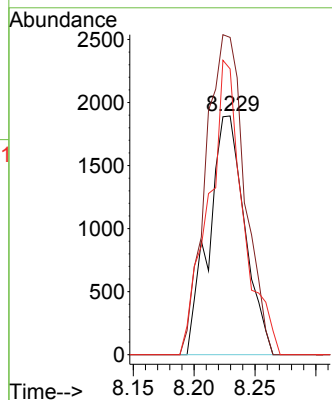


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

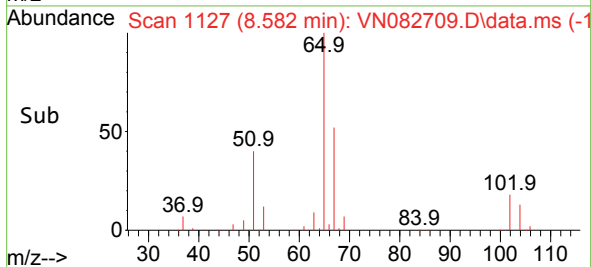
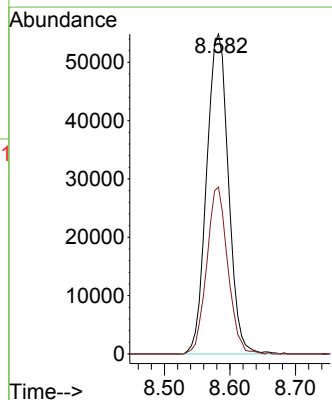
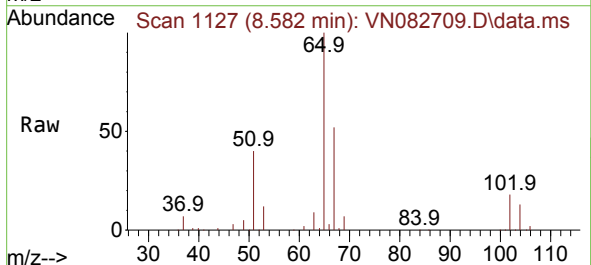


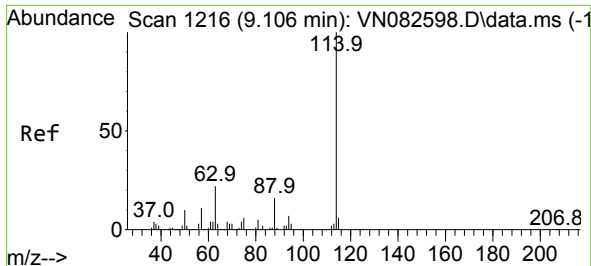
Tgt Ion: 56 Resp: 3884
Ion Ratio Lower Upper
56 100
69 132.9 24.5 36.7#
84 119.8 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 56.176 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 65 Resp: 126846
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

Instrument :

MSVOA_N

ClientSampleId :

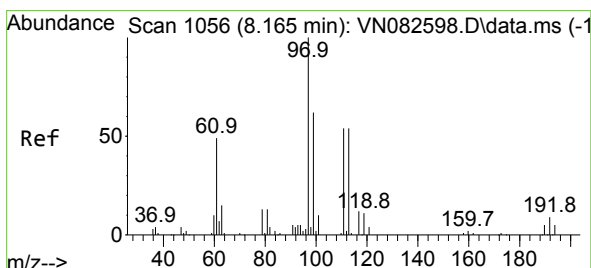
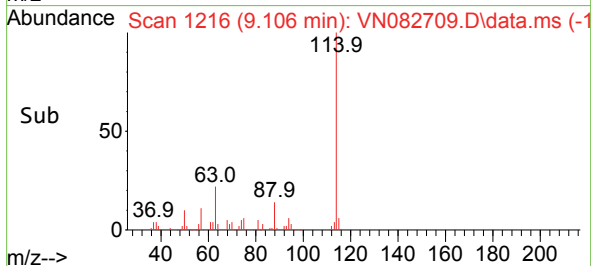
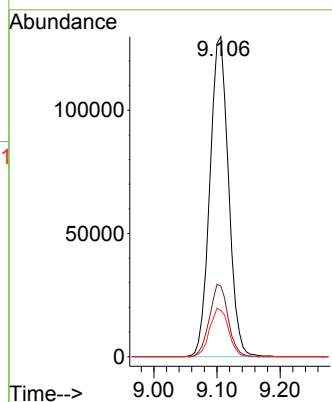
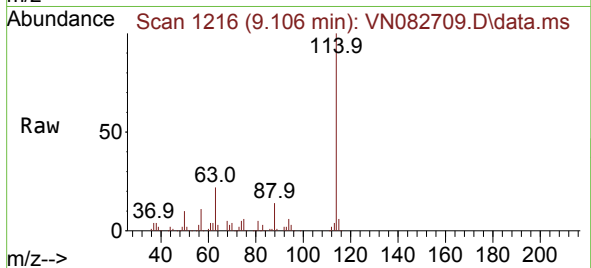
Tgt Ion:114 Resp: 265810

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 14.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.874 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

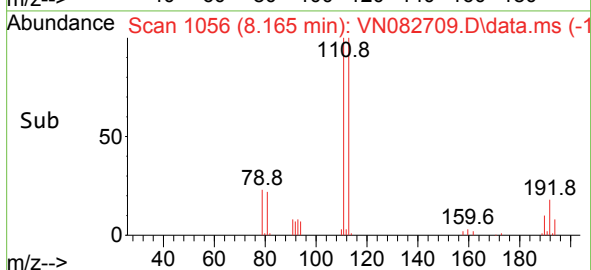
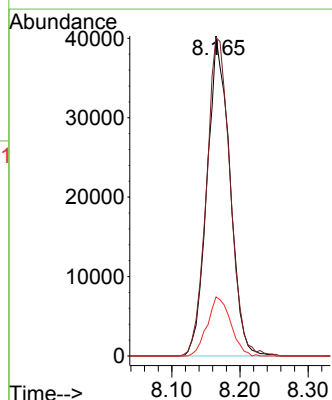
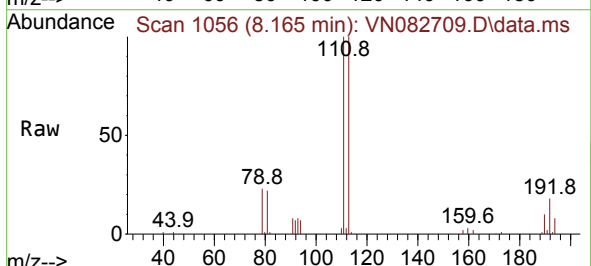
Tgt Ion:113 Resp: 93541

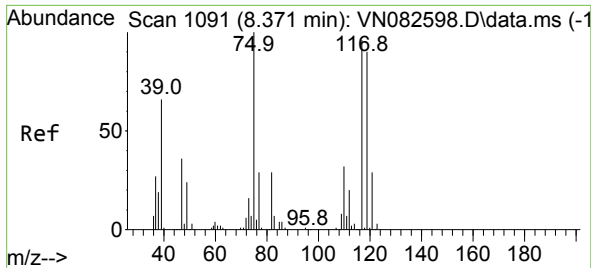
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

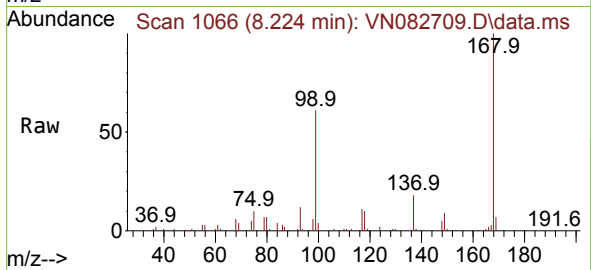
192 18.9 14.9 22.3



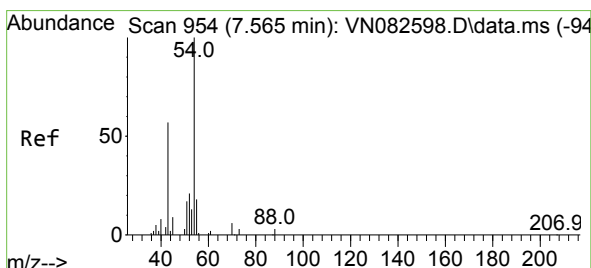
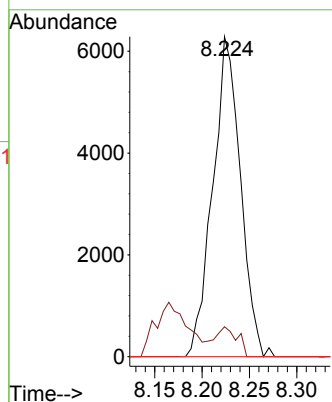
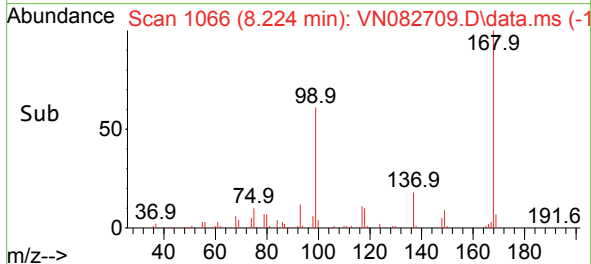


#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

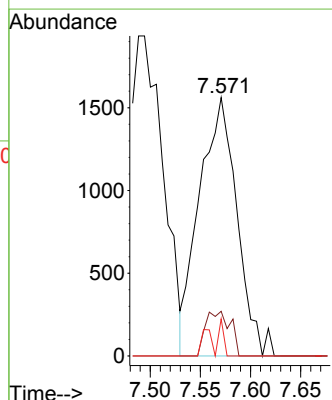
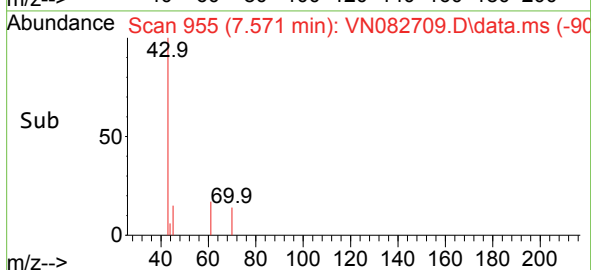
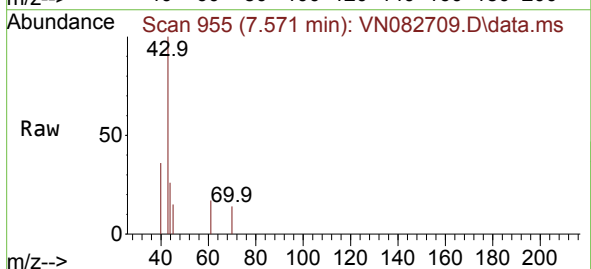


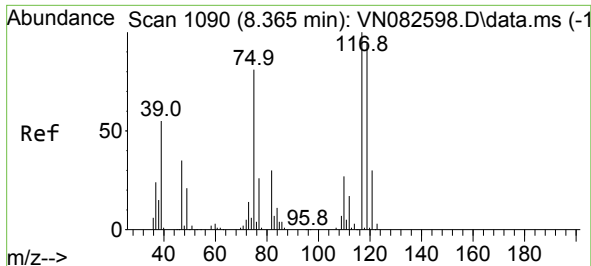
Tgt Ion: 75 Resp: 12777
Ion Ratio Lower Upper
75 100
110 7.3 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.191 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

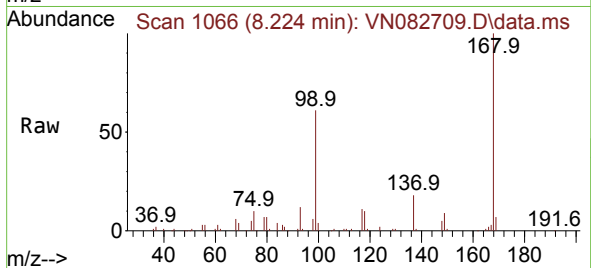
Tgt Ion: 43 Resp: 4088
Ion Ratio Lower Upper
43 100
61 11.3 9.3 13.9
70 2.7 7.0 10.6#



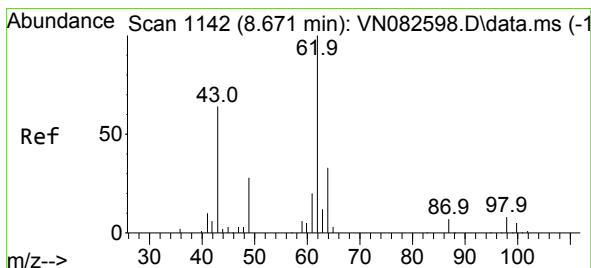
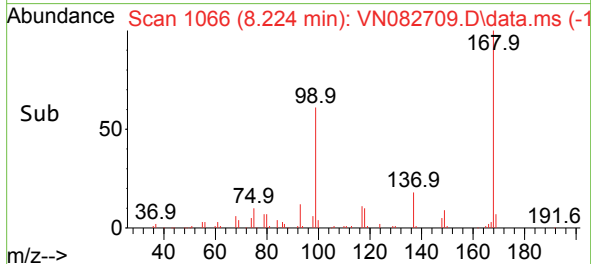
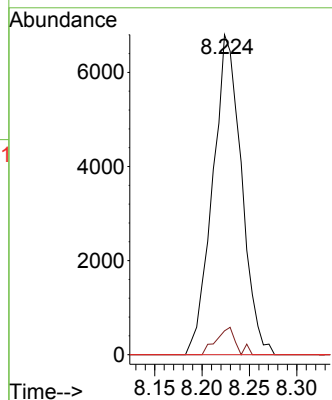


#38
Carbon Tetrachloride
Concen: 4.737 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

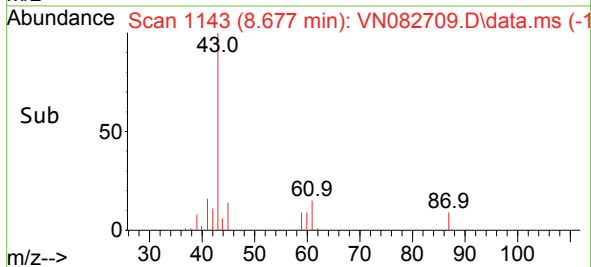
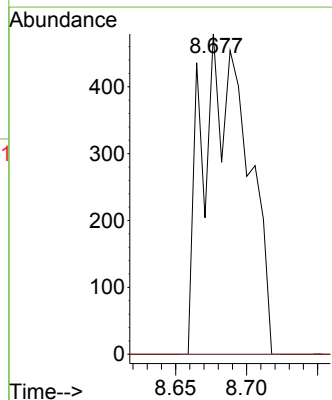
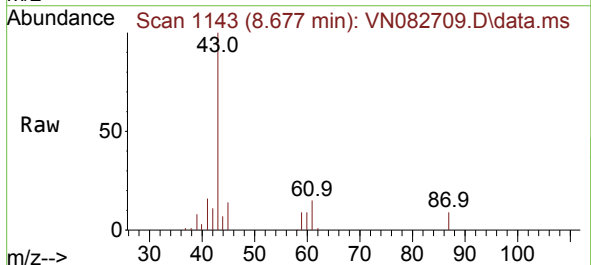


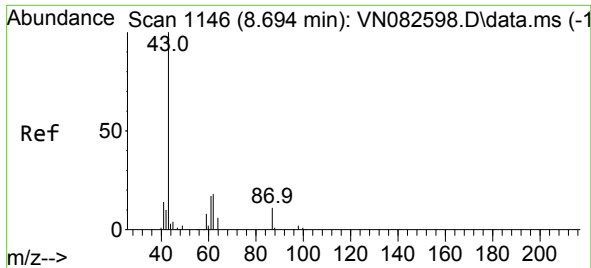
Tgt Ion:117 Resp: 14391
Ion Ratio Lower Upper
117 100
119 7.5 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.336 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

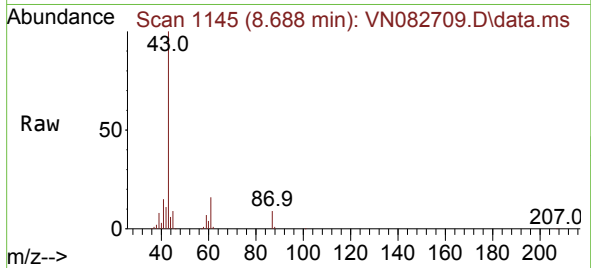
Tgt Ion: 62 Resp: 1063
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



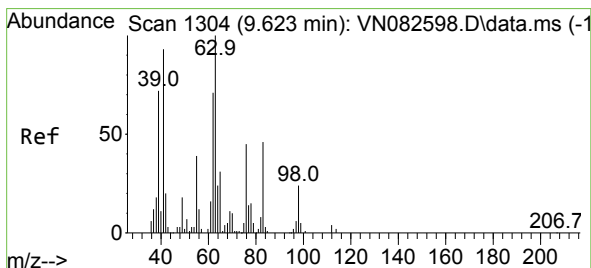
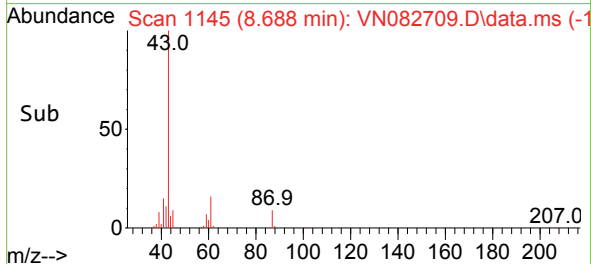
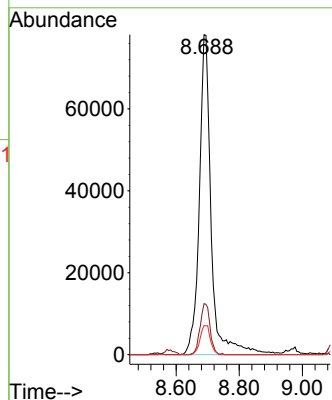


#43
Isopropyl Acetate
Concen: 31.756 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

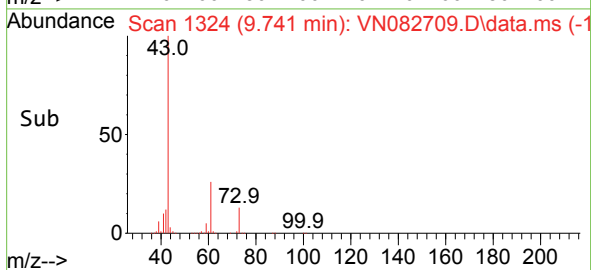
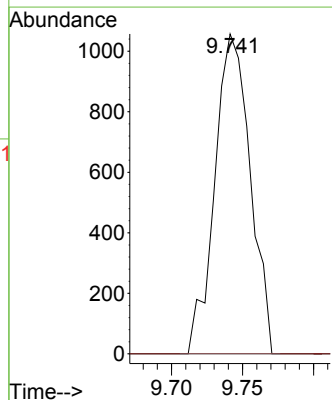
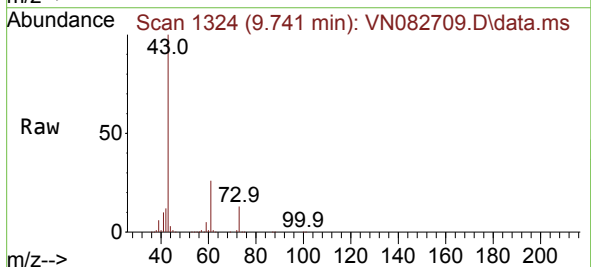


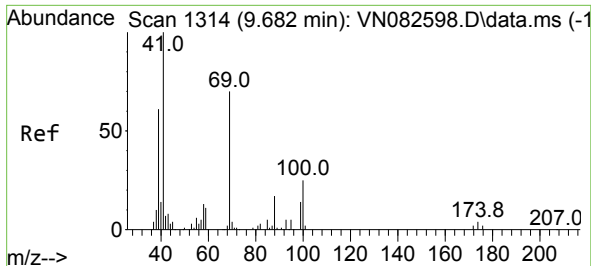
Tgt Ion: 43 Resp: 203781
Ion Ratio Lower Upper
43 100
61 13.4 17.8 26.6#
87 7.9 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.858 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 63 Resp: 1839
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

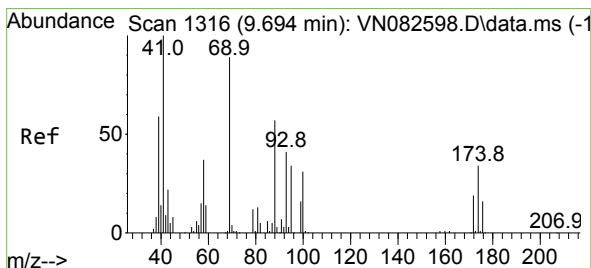
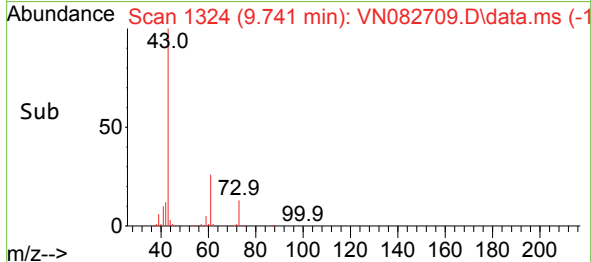
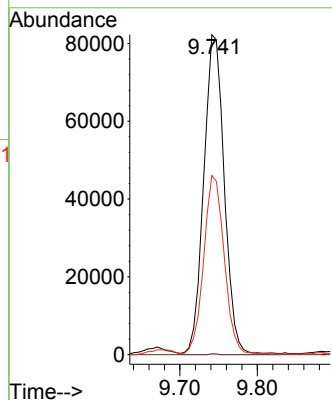
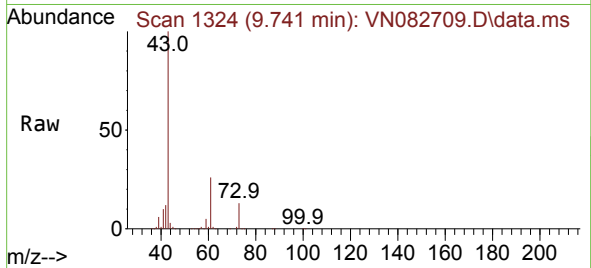




#48
Methyl methacrylate
Concen: 57.396 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

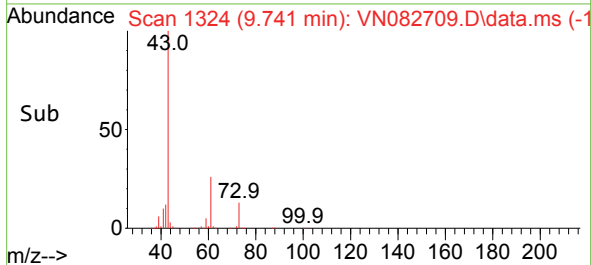
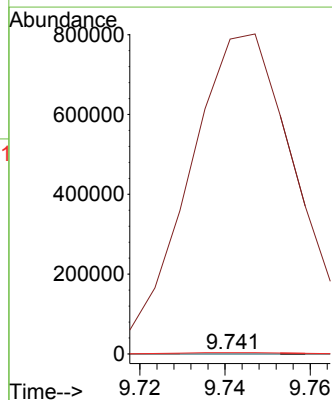
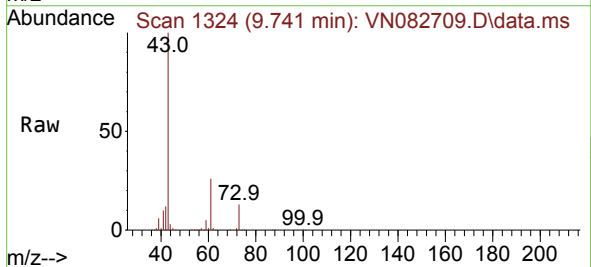
Instrument :
MSVOA_N
ClientSampleId :

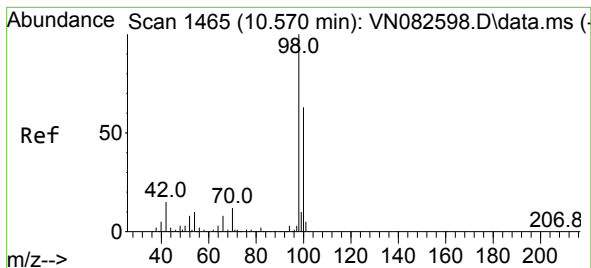
Tgt Ion: 41 Resp: 151836
Ion Ratio Lower Upper
41 100
69 0.1 56.3 84.5#
39 55.7 50.3 75.5



#49
1,4-Dioxane
Concen: 1.595 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 2182754.5 27.8 41.8#
58 10334.8 59.4 89.0#





#50

Toluene-d8

Concen: 53.335 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

Instrument :

MSVOA_N

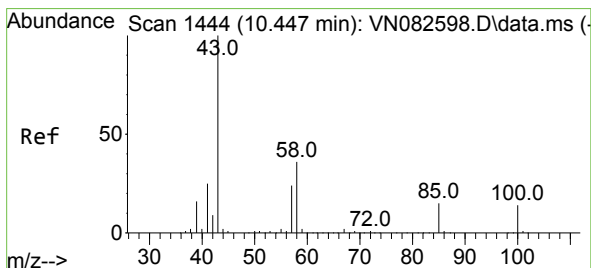
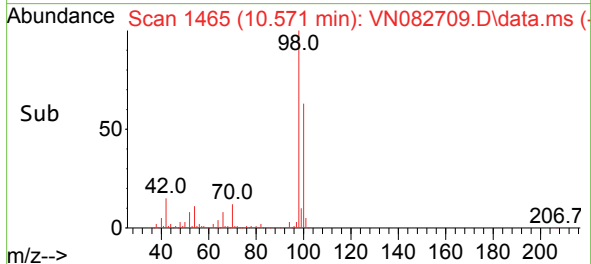
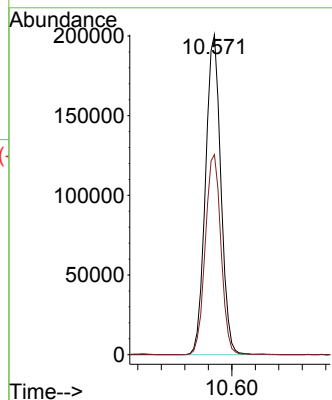
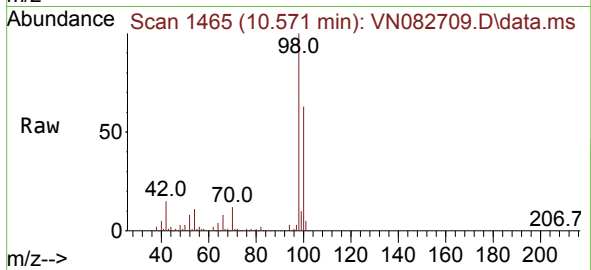
ClientSampleId :

Tgt Ion: 98 Resp: 363699

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 4.074 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN082709.D

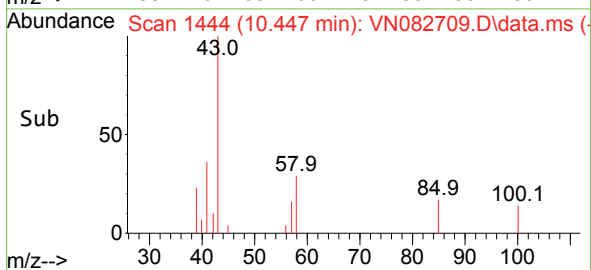
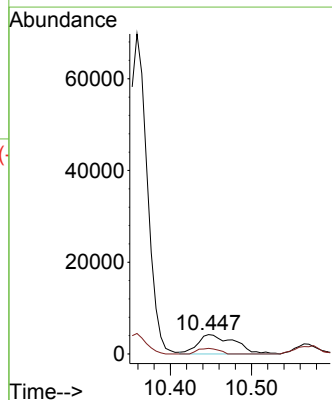
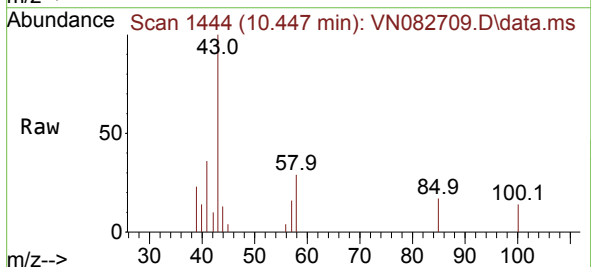
Acq: 25 Jun 2024 11:43

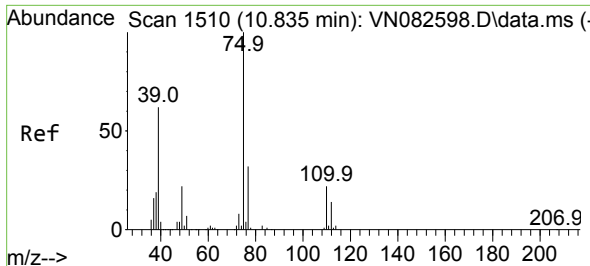
Tgt Ion: 43 Resp: 13408

Ion Ratio Lower Upper

43 100

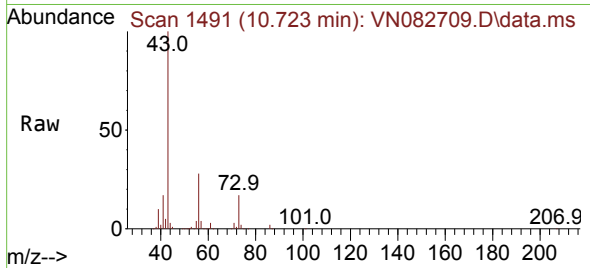
58 16.5 28.2 42.4#



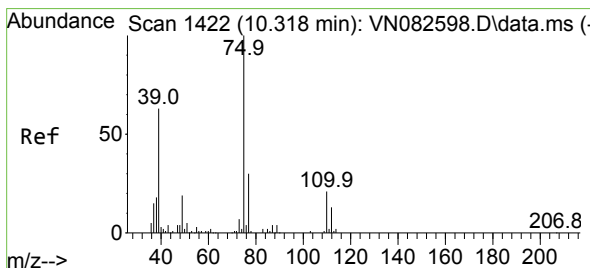
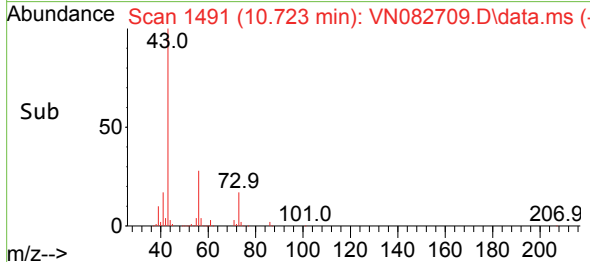
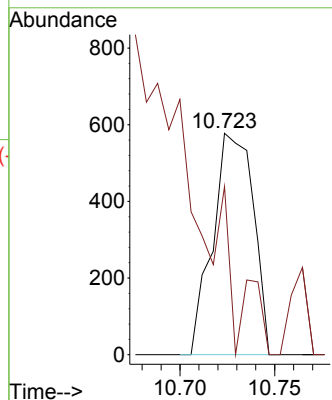


#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082709.D
 Acq: 25 Jun 2024 11:43

Instrument :
 MSVOA_N
 ClientSampleId :

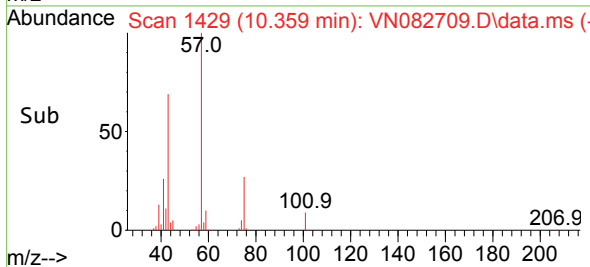
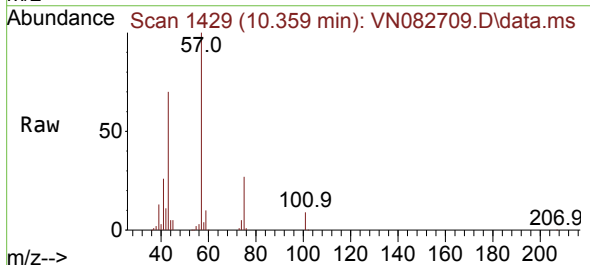
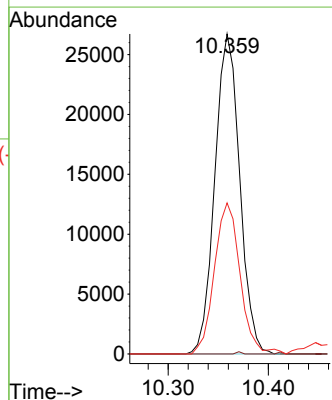


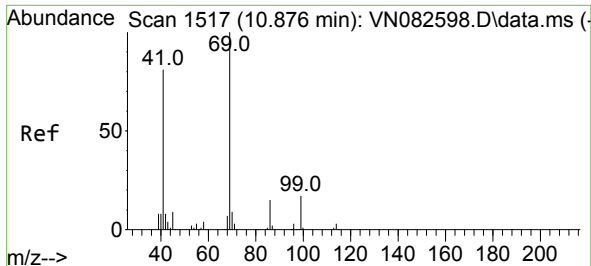
Tgt Ion: 75 Resp: 860
 Ion Ratio Lower Upper
 75 100
 77 76.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.041 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082709.D
 Acq: 25 Jun 2024 11:43

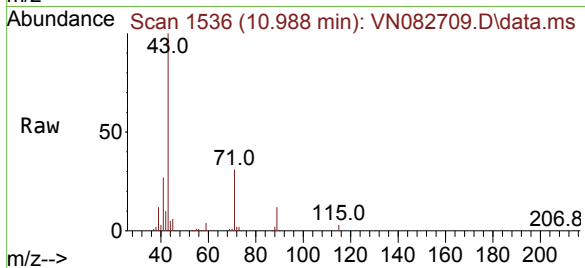
Tgt Ion: 75 Resp: 45990
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.2 50.5 75.7#



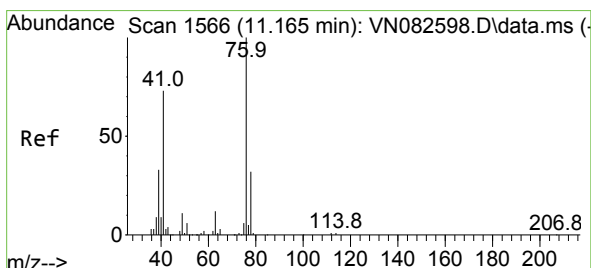
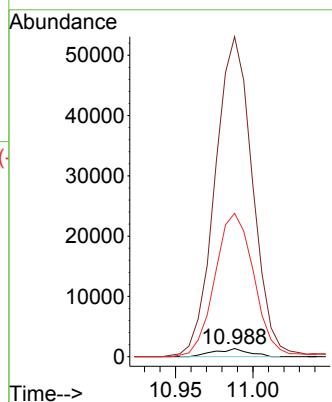
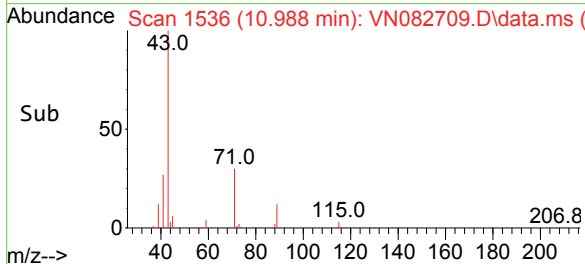


#56
Ethyl methacrylate
Concen: 0.684 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

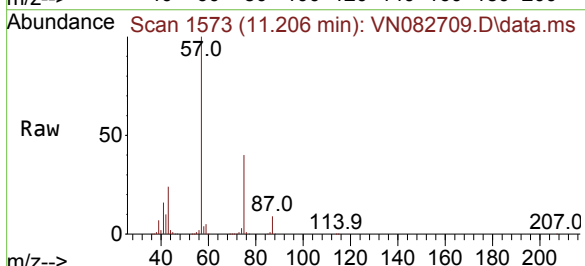
Instrument :
MSVOA_N
ClientSampleId :



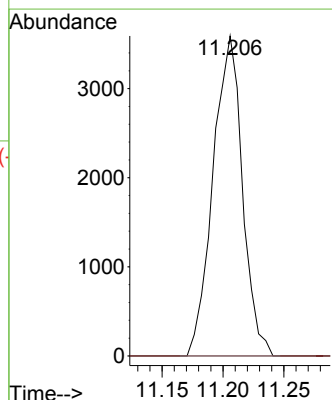
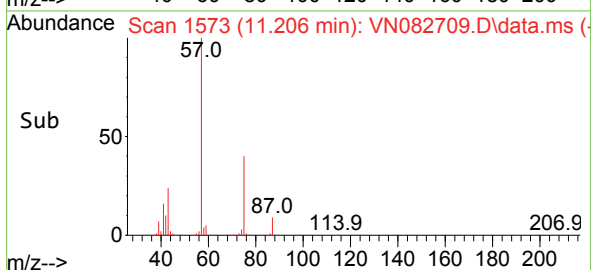
Tgt Ion: 69 Resp: 2069
Ion Ratio Lower Upper
69 100
41 4329.3 63.4 95.2#
39 2031.3 37.4 56.0#

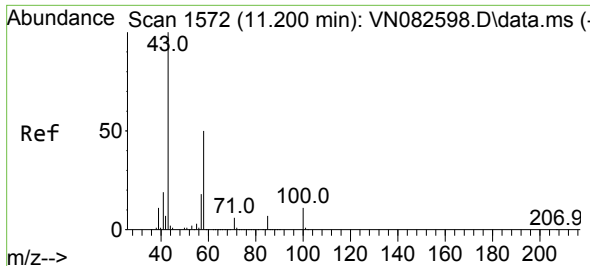


#57
1,3-Dichloropropane
Concen: 1.788 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43



Tgt Ion: 76 Resp: 6039
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

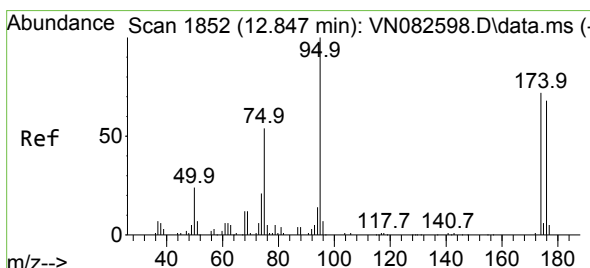
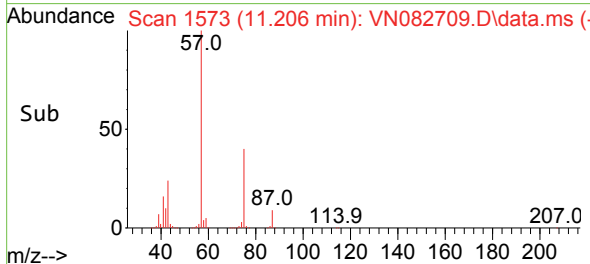
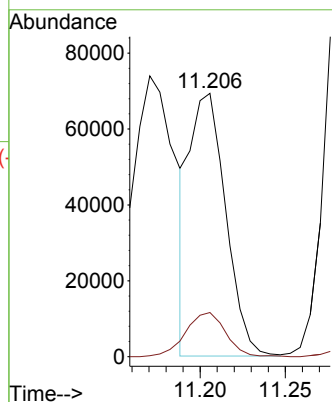
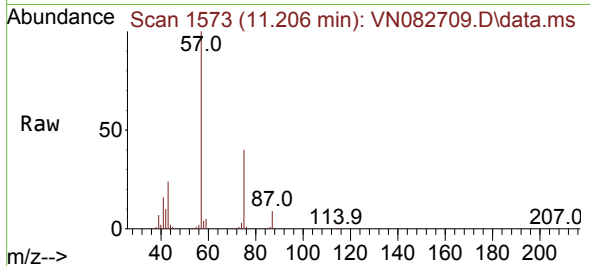




#59
2-Hexanone
Concen: 40.870 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

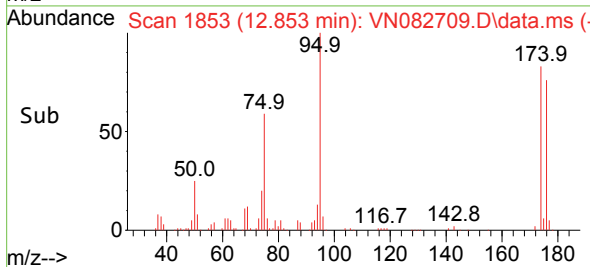
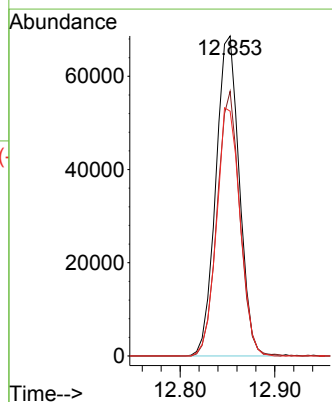
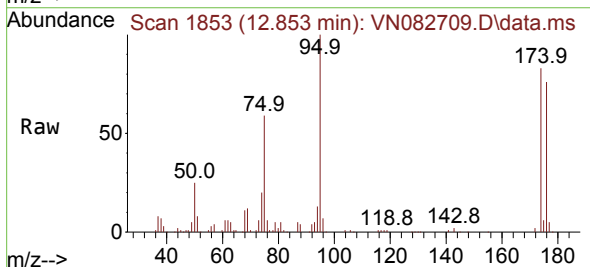
Instrument :
MSVOA_N
ClientSampleId :

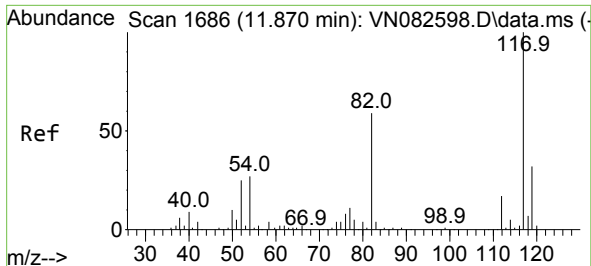
Tgt Ion: 43 Resp: 102240
Ion Ratio Lower Upper
43 100
58 18.7 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.296 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

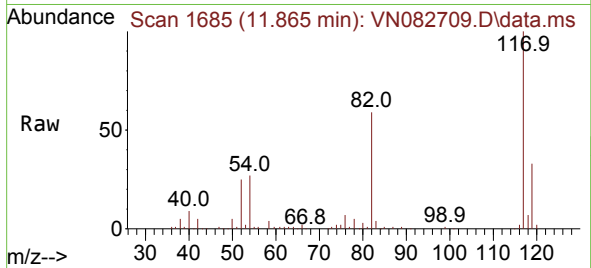
Tgt Ion: 95 Resp: 118247
Ion Ratio Lower Upper
95 100
174 79.6 0.0 159.2
176 77.8 0.0 147.6



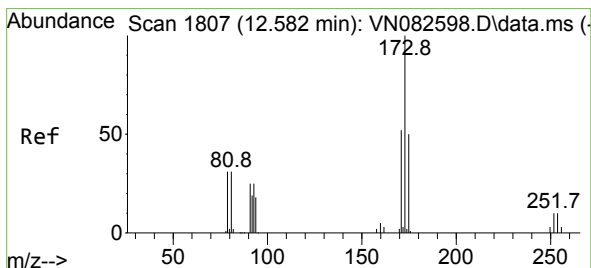
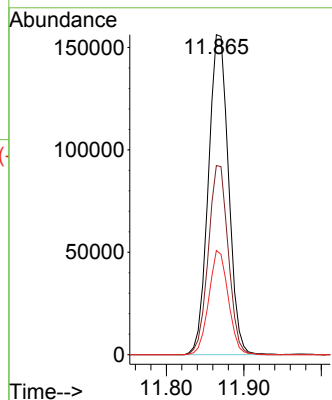
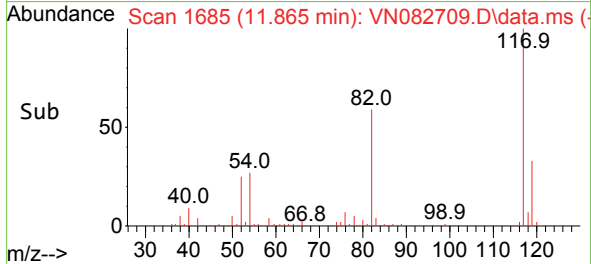


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

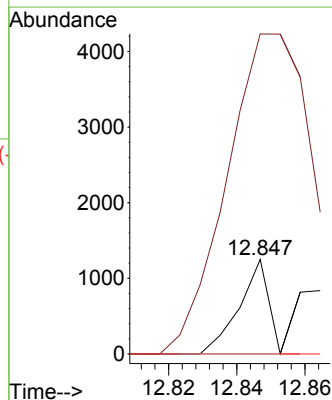
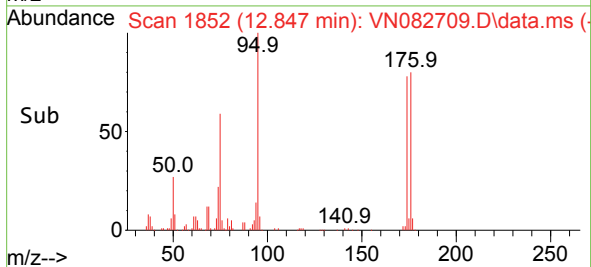
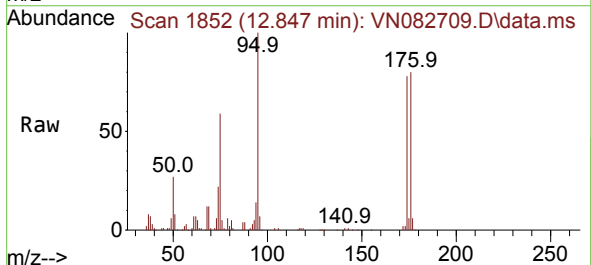


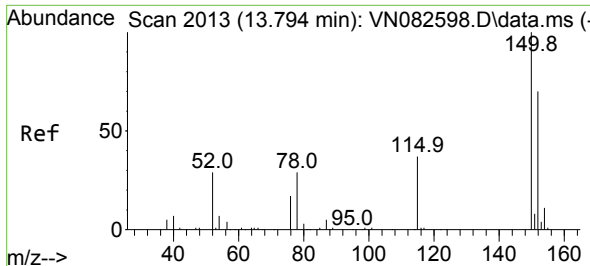
Tgt Ion:117 Resp: 282483
Ion Ratio Lower Upper
117 100
82 59.1 47.5 71.3
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.408 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion:173 Resp: 745
Ion Ratio Lower Upper
173 100
175 870.5 24.0 72.0#
254 0.0 0.0 0.0

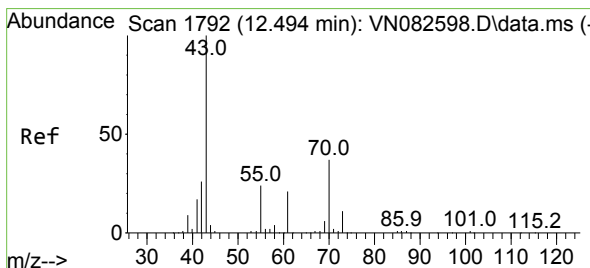
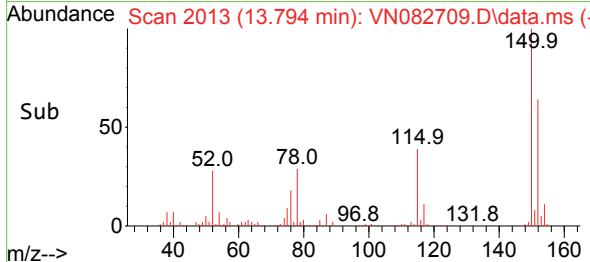
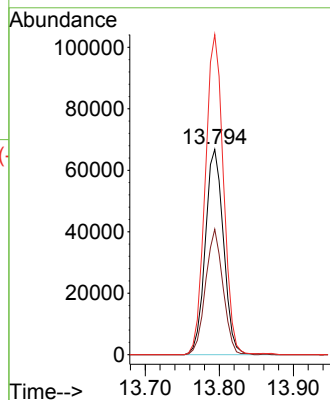
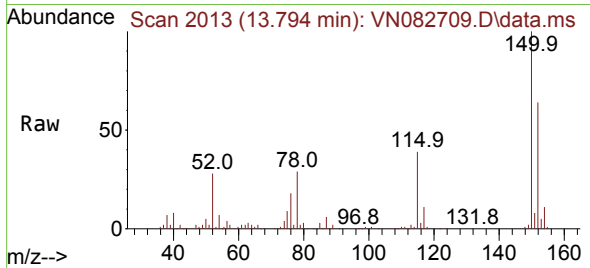




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

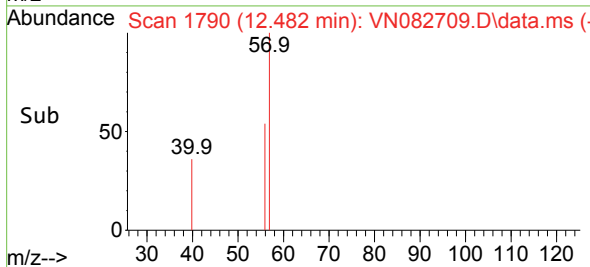
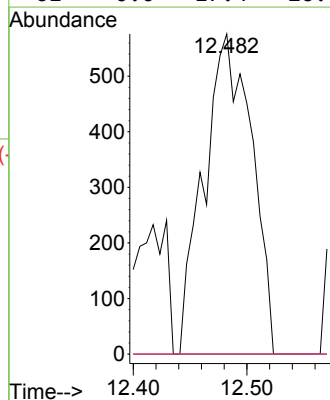
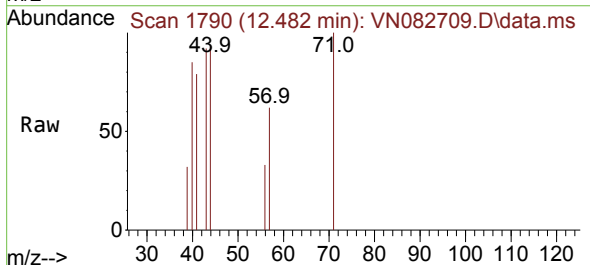
Instrument :
MSVOA_N
ClientSampleId :

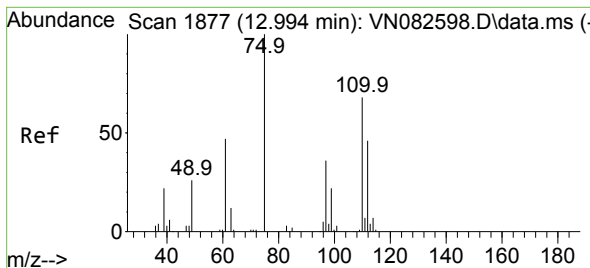
Tgt Ion:152 Resp: 114192
Ion Ratio Lower Upper
152 100
115 58.7 30.6 91.6
150 155.2 0.0 348.6



#74
N-ethyl acetate
Concen: 0.364 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082709.D
Acq: 25 Jun 2024 11:43

Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 0.0 18.7 28.1#
61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 24.658 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

Instrument :

MSVOA_N

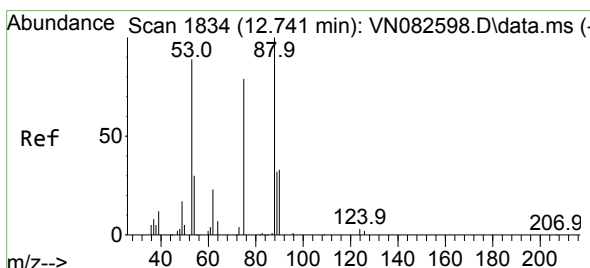
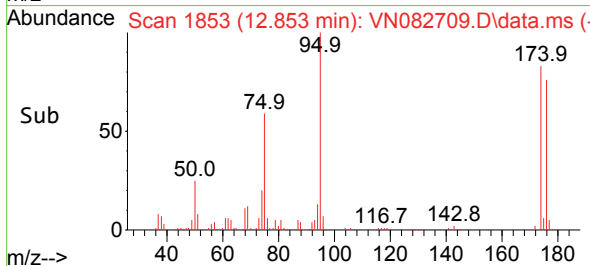
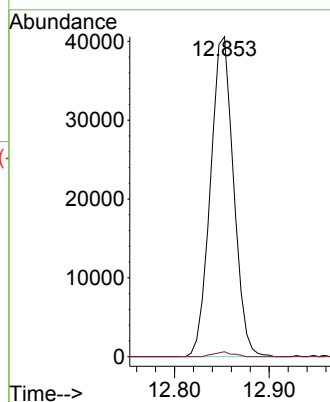
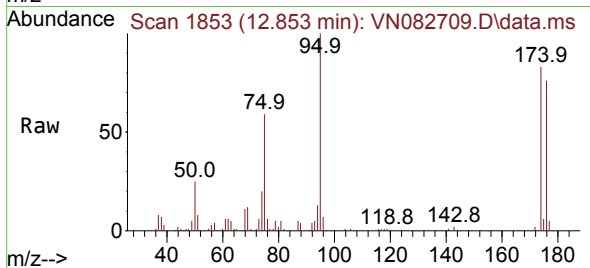
ClientSampleId :

Tgt Ion: 75 Resp: 68868

Ion Ratio Lower Upper

75 100

77 1.3 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.992 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082709.D

Acq: 25 Jun 2024 11:43

Tgt Ion: 75 Resp: 68868

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

