

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071924\
 Data File : VN082993.D
 Acq On : 19 Jul 2024 16:59
 Operator : JC\MD
 Sample : P3306-05DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:07:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

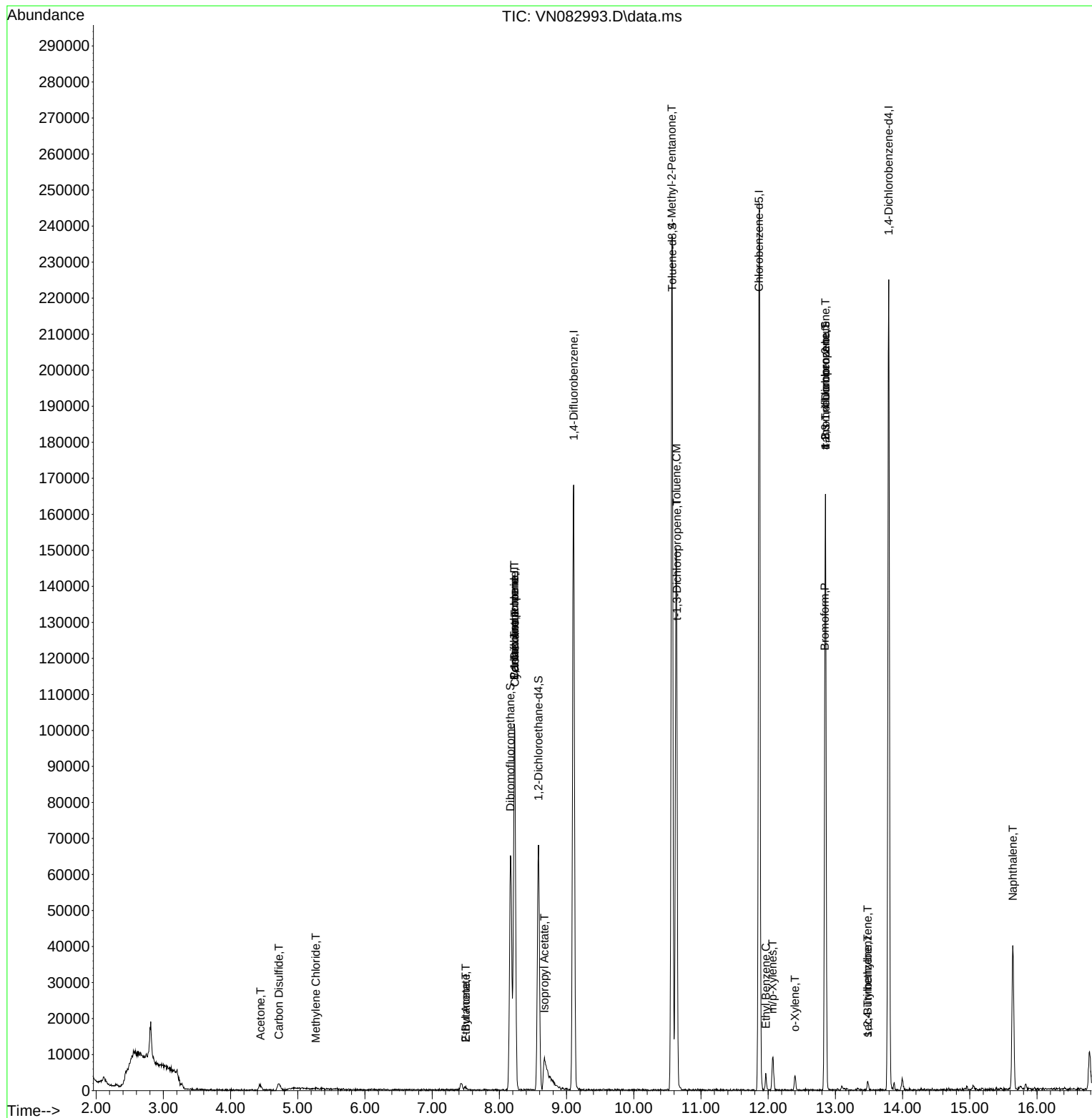
Internal Standards						
1) Pentafluorobenzene	8.224	168	71204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	140509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	137352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	55589	55.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.380%			
35) Dibromofluoromethane	8.165	113	46223	51.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	10.570	98	159126	47.784	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.853	95	50700	42.384	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 84.760%			
Target Compounds					Qvalue	
16) Acetone	4.447	43	3071	8.739	ug/l	94
17) Carbon Disulfide	4.718	76	3634	1.673	ug/l #	68
20) Methylene Chloride	5.271	84	207	0.244	ug/l #	37
25) 2-Butanone	7.500	43	1241	2.339	ug/l #	73
31) Cyclohexane	8.229	56	1957	1.500	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	6472	5.206	ug/l #	50
37) Ethyl Acetate	7.500	43	1241	0.981	ug/l #	72
38) Carbon Tetrachloride	8.224	117	7904	5.281	ug/l #	19
43) Isopropyl Acetate	8.671	43	10107	1.348	ug/l #	60
51) 4-Methyl-2-Pentanone	10.565	43	634	0.505	ug/l #	1
52) Toluene	10.635	92	65961	27.615	ug/l	98
53) t-1,3-Dichloropropene	10.641	75	866	0.585	ug/l #	1
67) Ethyl Benzene	11.965	91	3003	0.607	ug/l	97
68) m/p-Xylenes	12.065	106	3046	1.631	ug/l	100
69) o-Xylene	12.400	106	1405	0.785	ug/l	81
71) Bromoform	12.841	173	225	0.273	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	29611	29.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	29611	58.711	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.482	105	1868	0.542	ug/l	95
85) sec-Butylbenzene	13.482	105	1868	0.461	ug/l #	57
95) Naphthalene	15.641	128	38680	11.083	ug/l	98

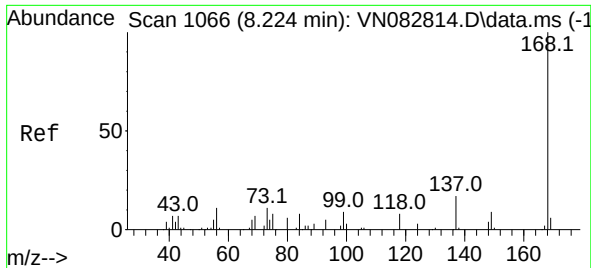
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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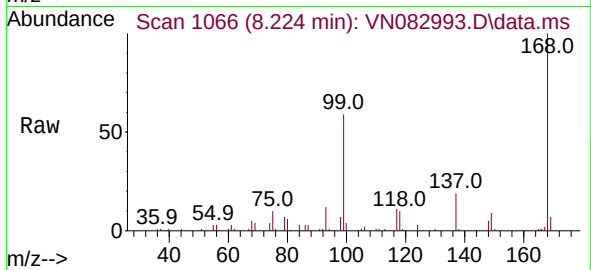
Quant Time: Jul 22 02:07:45 2024
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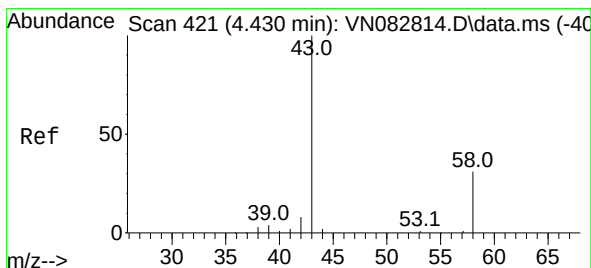
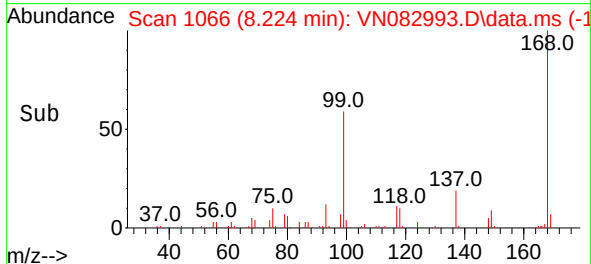
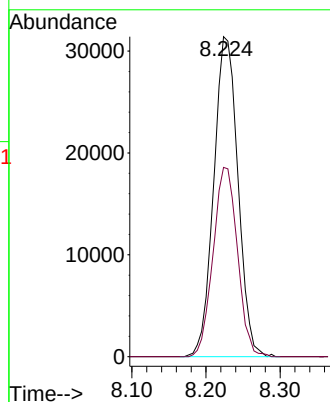


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

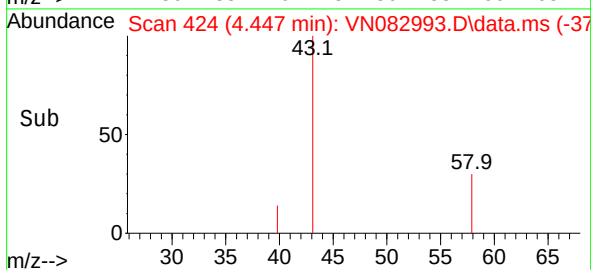
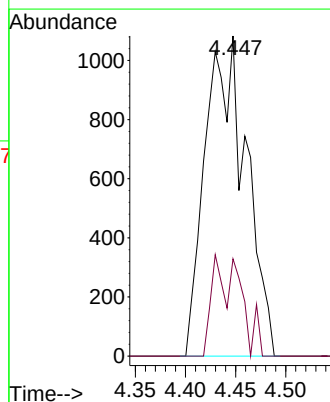
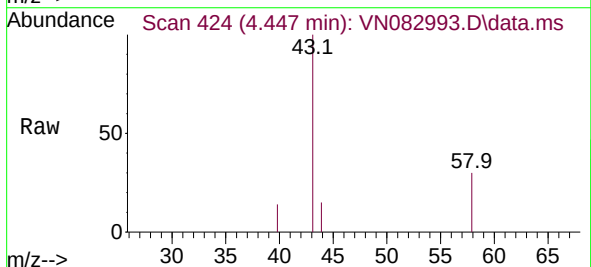


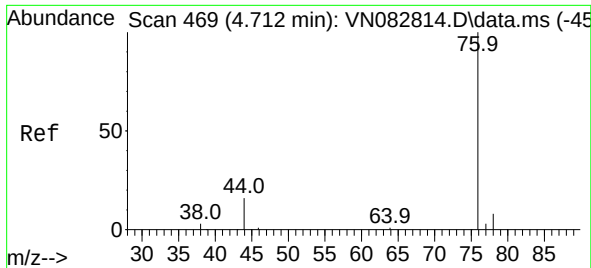
Tgt Ion:168 Resp: 71204
Ion Ratio Lower Upper
168 100
99 59.1 48.2 72.4



#16
Acetone
Concen: 8.739 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.017 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

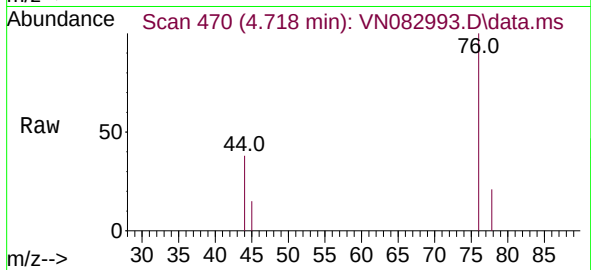
Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
58 30.4 21.8 32.6



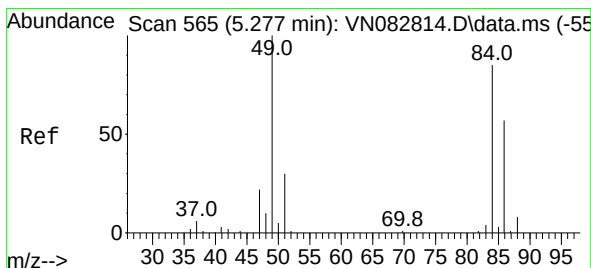
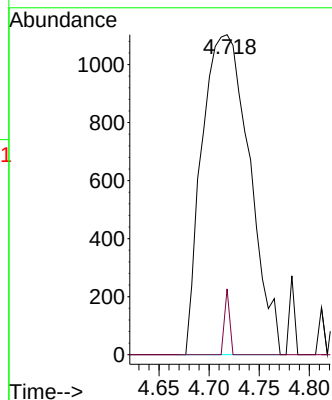
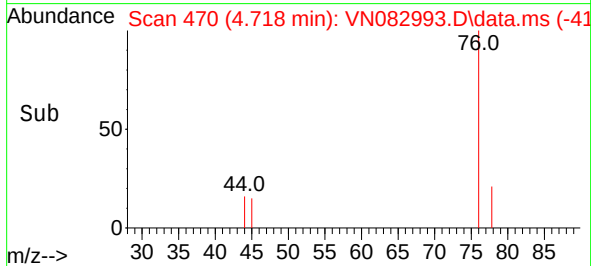


#17
Carbon Disulfide
Concen: 1.673 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

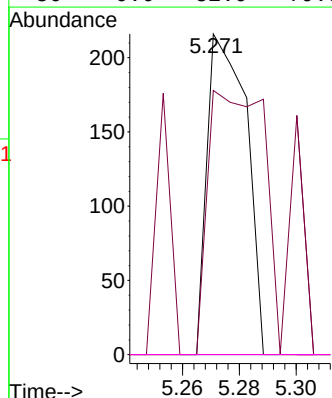
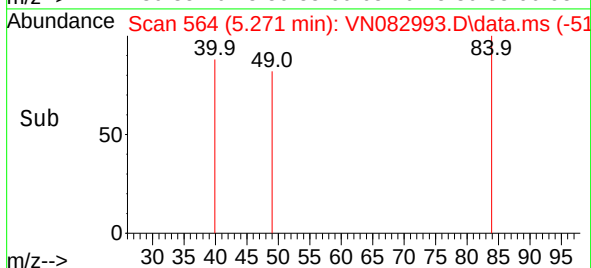
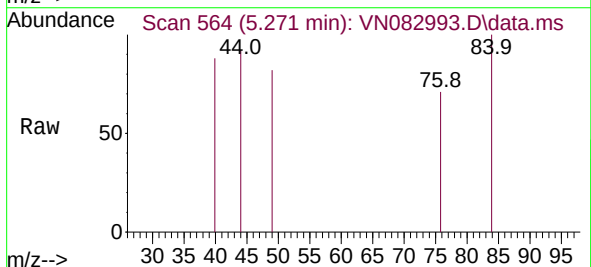


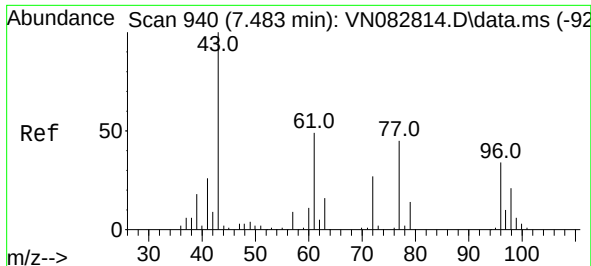
Tgt Ion: 76 Resp: 3634
Ion Ratio Lower Upper
76 100
78 20.6 7.2 10.8#



#20
Methylene Chloride
Concen: 0.244 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

Tgt Ion: 84 Resp: 207
Ion Ratio Lower Upper
84 100
49 82.4 119.6 179.4#
51 0.0 34.8 52.2#
86 0.0 52.9 79.3#





#25

2-Butanone

Concen: 2.339 ug/l

RT: 7.500 min Scan# 940

Delta R.T. 0.012 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

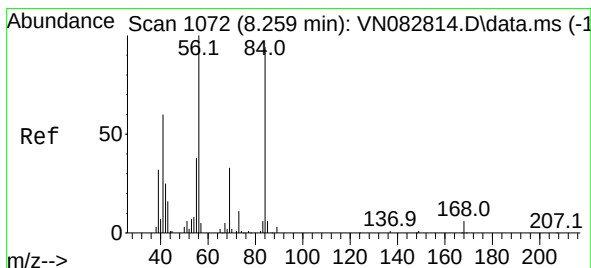
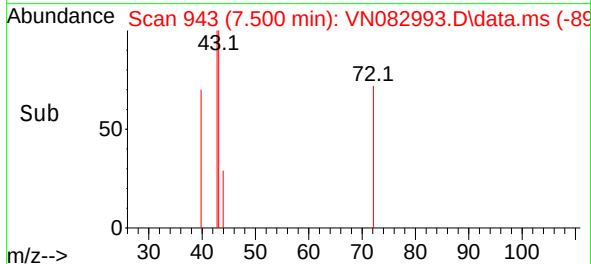
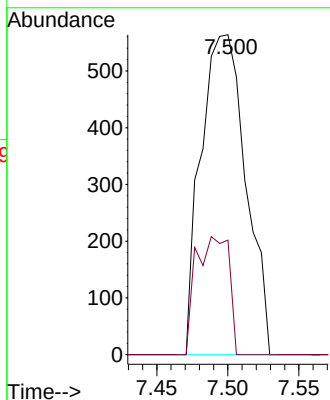
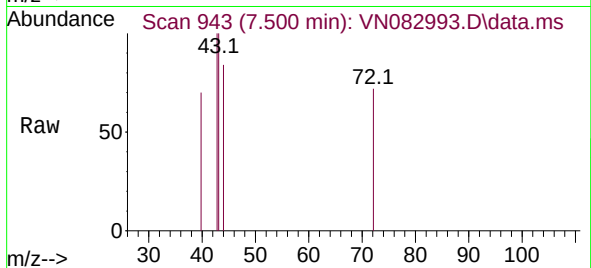
ClientSampleId :

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

72 35.8 18.2 27.2#



#31

Cyclohexane

Concen: 1.500 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

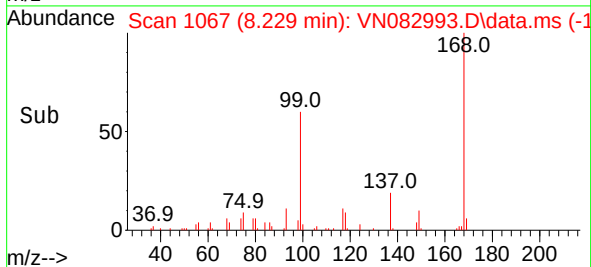
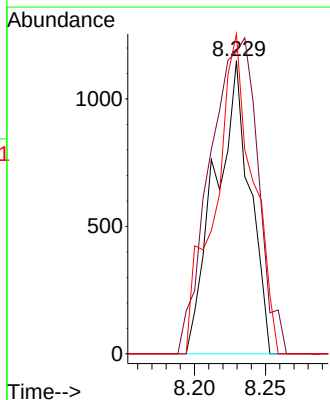
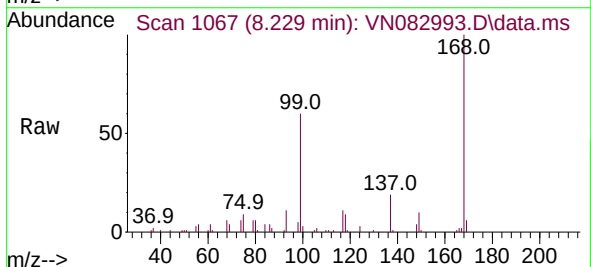
Tgt Ion: 56 Resp: 1957

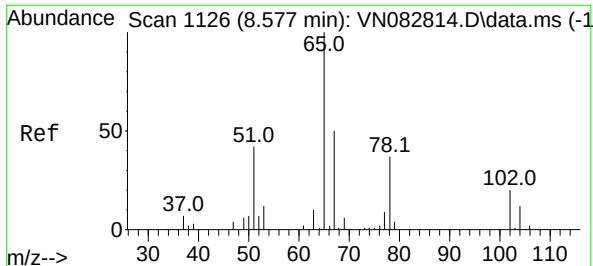
Ion Ratio Lower Upper

56 100

69 103.0 24.5 36.7#

84 109.1 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 55.693 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

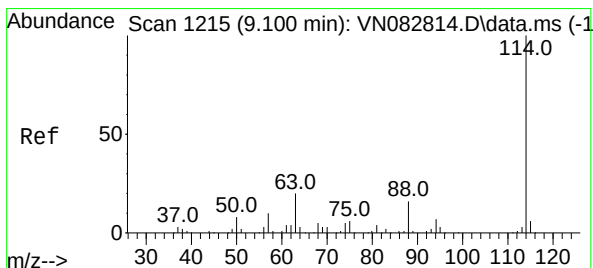
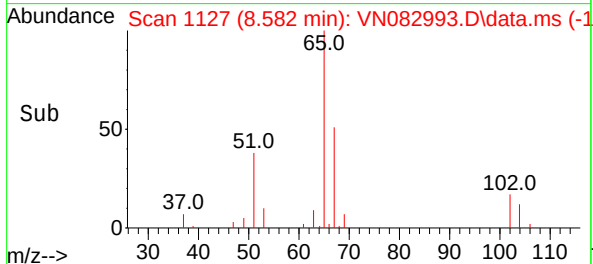
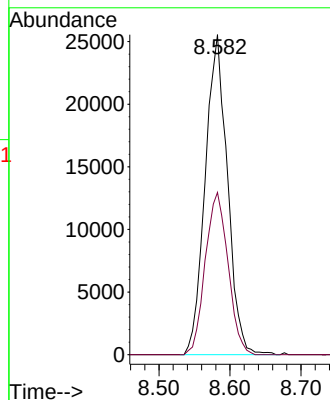
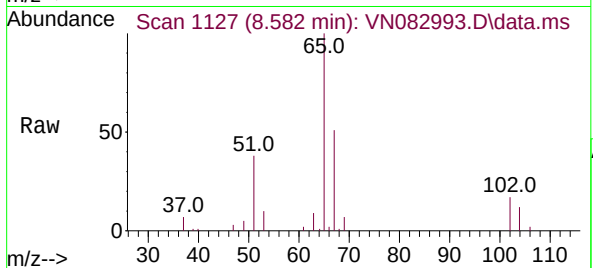
ClientSampleId :

Tgt Ion: 65 Resp: 55589

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

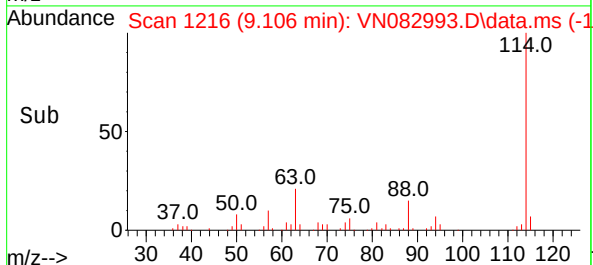
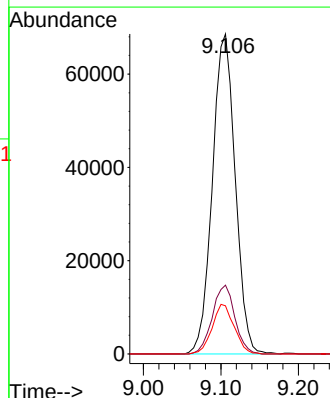
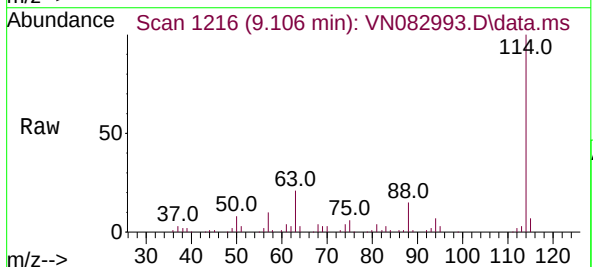
Tgt Ion: 114 Resp: 140509

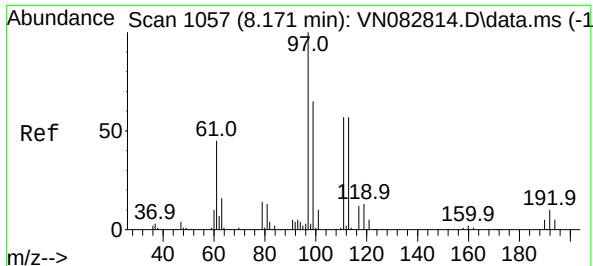
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.267 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

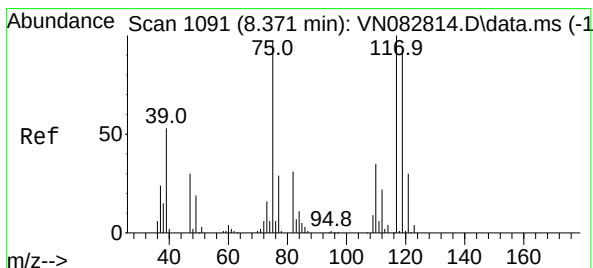
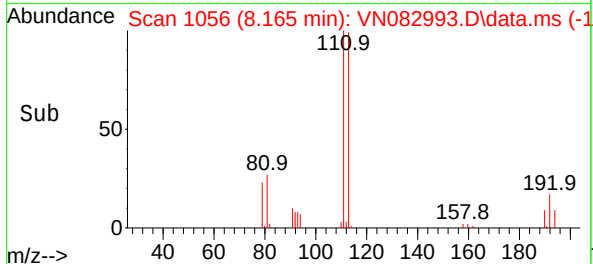
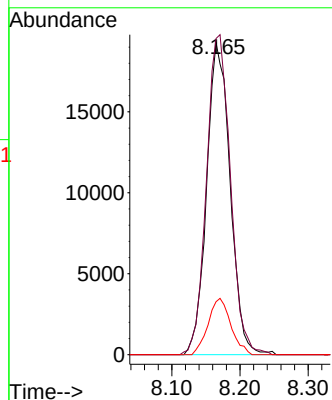
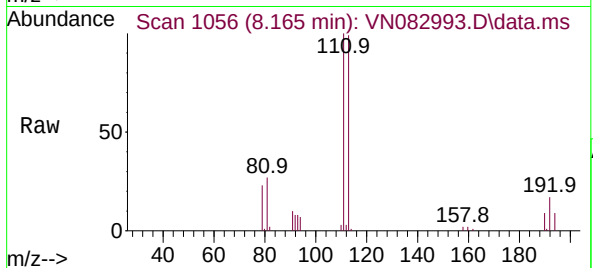
Tgt Ion:113 Resp: 46223

Ion Ratio Lower Upper

113 100

111 104.8 82.4 123.6

192 17.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 5.206 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

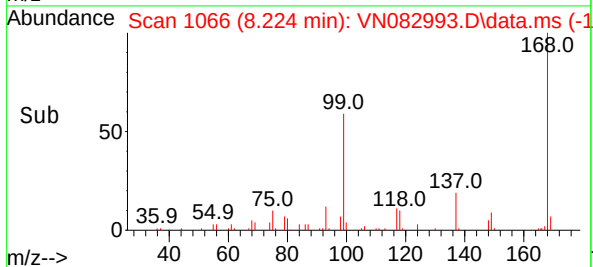
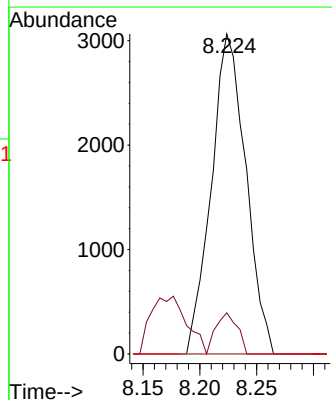
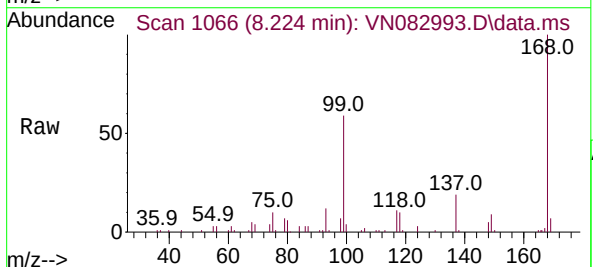
Tgt Ion: 75 Resp: 6472

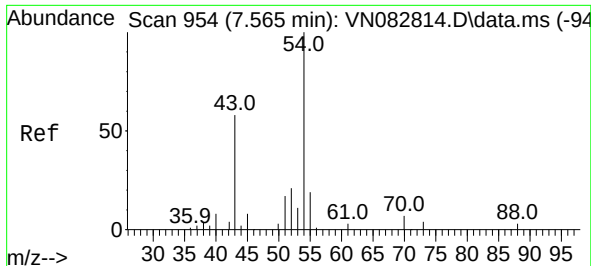
Ion Ratio Lower Upper

75 100

110 8.0 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.981 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.065 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

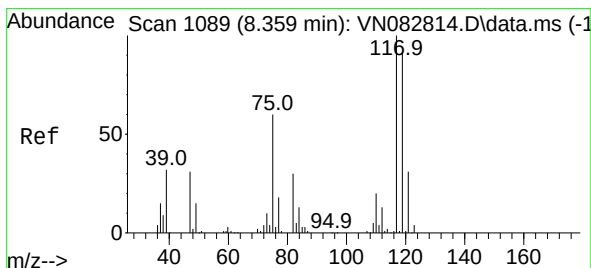
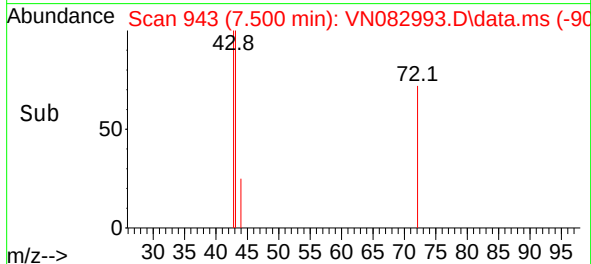
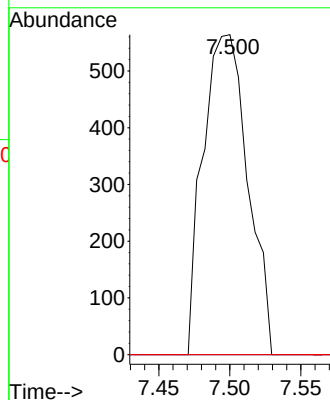
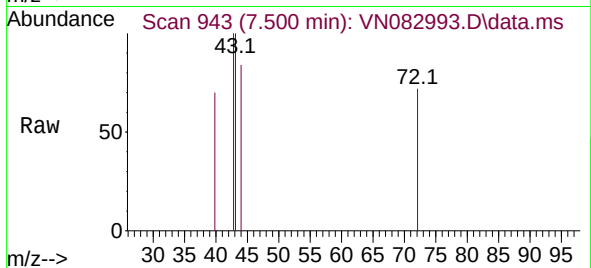
Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.281 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

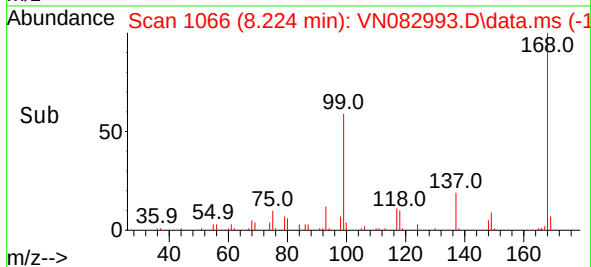
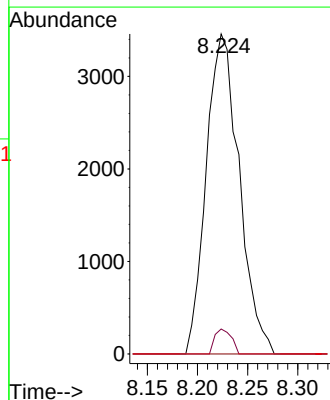
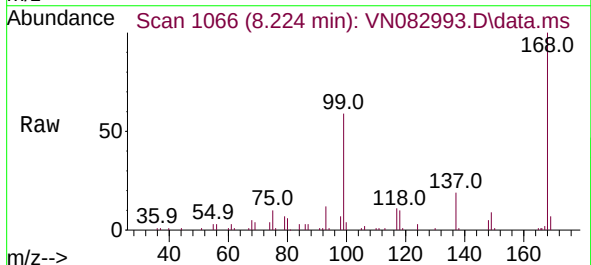
Tgt Ion: 117 Resp: 7904

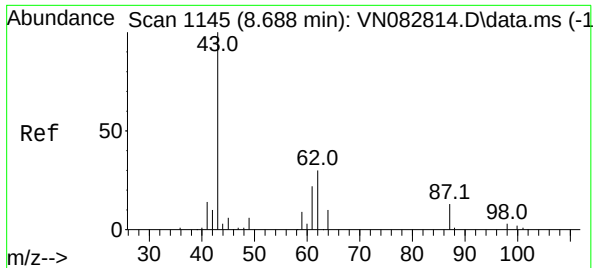
Ion Ratio Lower Upper

117 100

119 7.8 74.9 112.3#

121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: 1.348 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.023 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

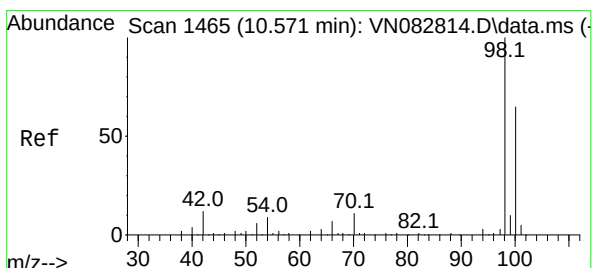
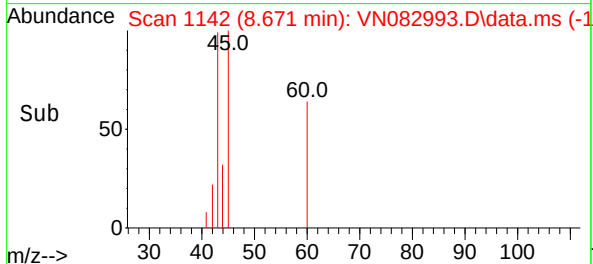
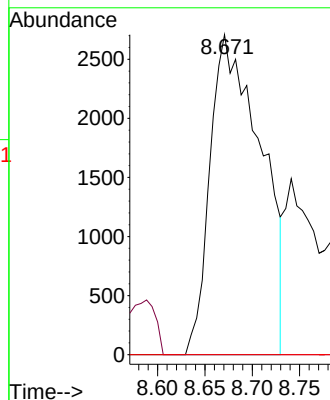
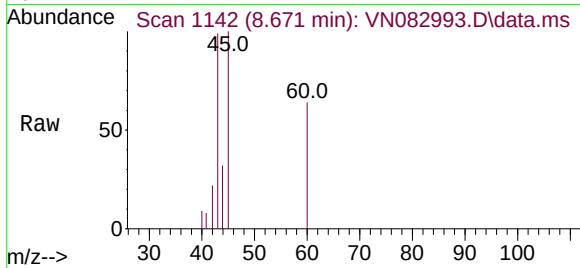
Tgt Ion: 43 Resp: 10107

Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#



#50

Toluene-d8

Concen: 47.784 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082993.D

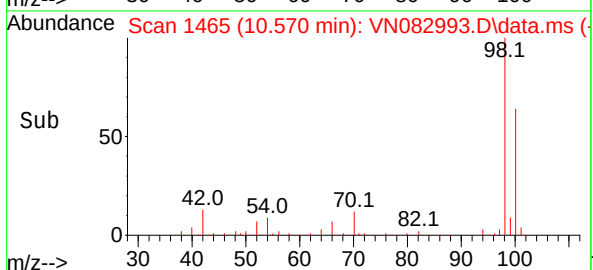
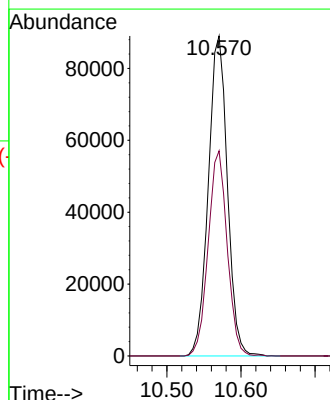
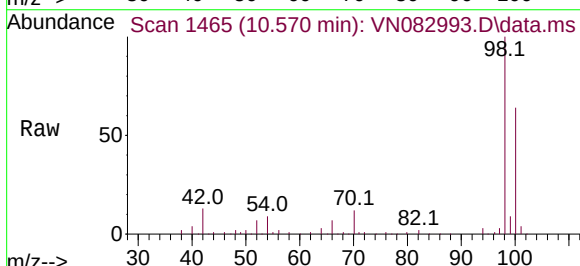
Acq: 19 Jul 2024 16:59

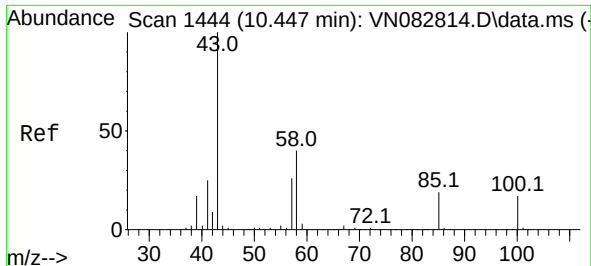
Tgt Ion: 98 Resp: 159126

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 10.565 min Scan# 1444

Delta R.T. 0.118 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

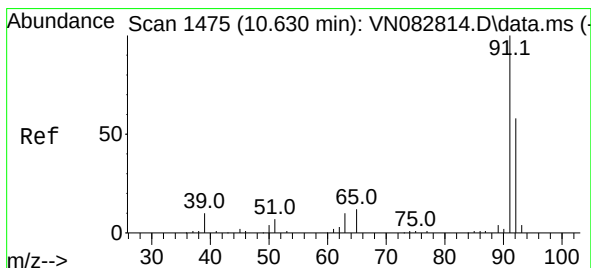
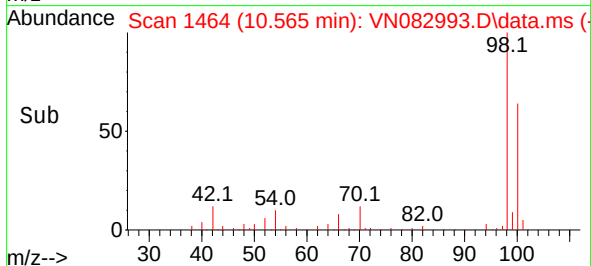
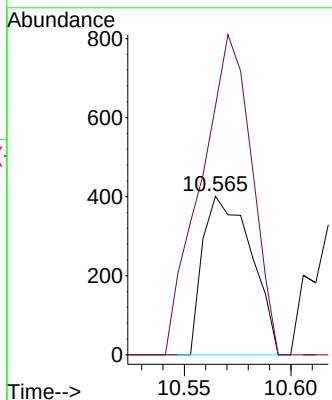
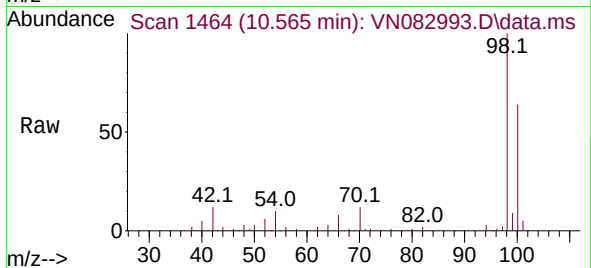
ClientSampleId :

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

58 212.3 28.2 42.4#



#52

Toluene

Concen: 27.615 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN082993.D

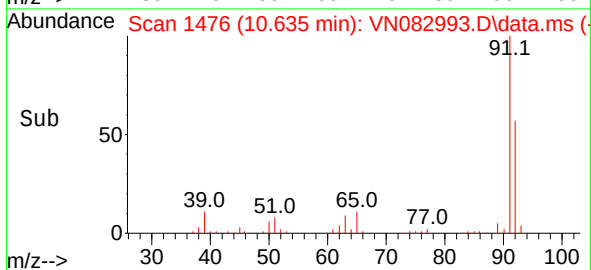
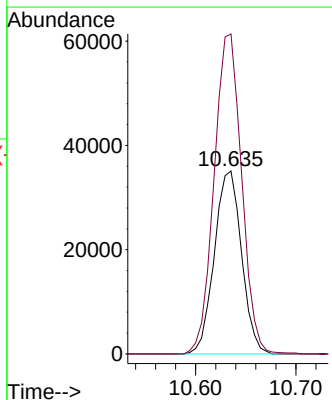
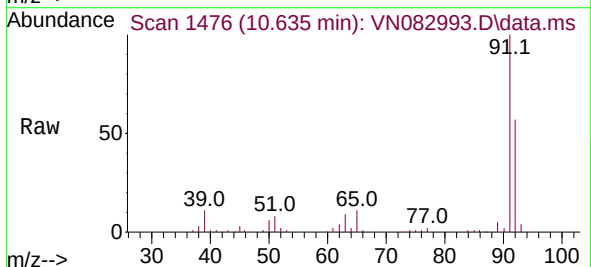
Acq: 19 Jul 2024 16:59

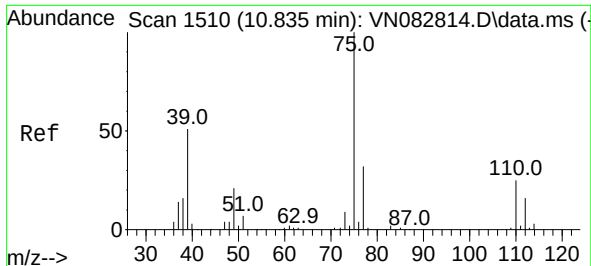
Tgt Ion: 92 Resp: 65961

Ion Ratio Lower Upper

92 100

91 177.6 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 0.585 ug/l

RT: 10.641 min Scan# 14

Delta R.T. -0.194 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

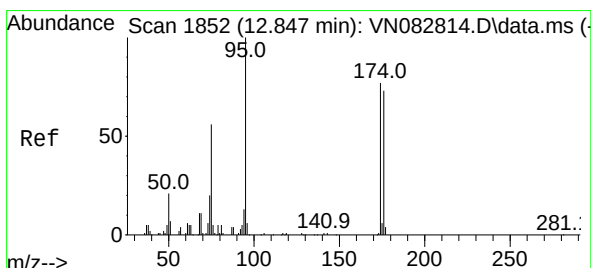
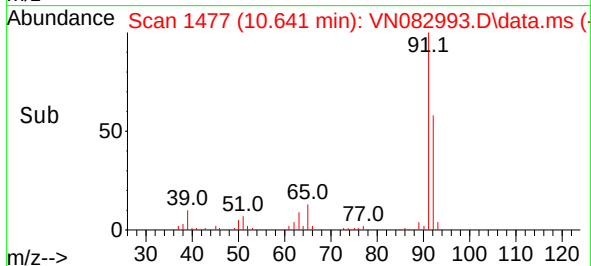
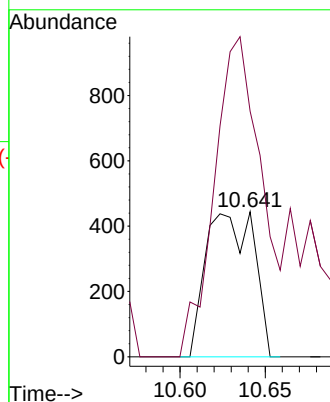
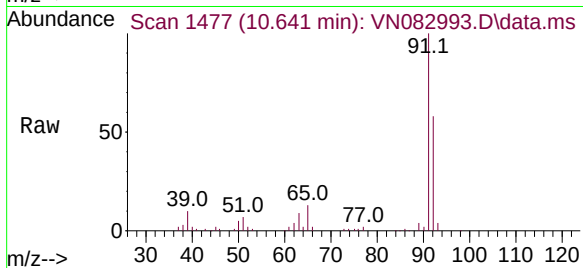
ClientSampleId :

Tgt Ion: 75 Resp: 866

Ion Ratio Lower Upper

75 100

77 169.4 25.7 38.5#



#62

4-Bromofluorobenzene

Concen: 42.384 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

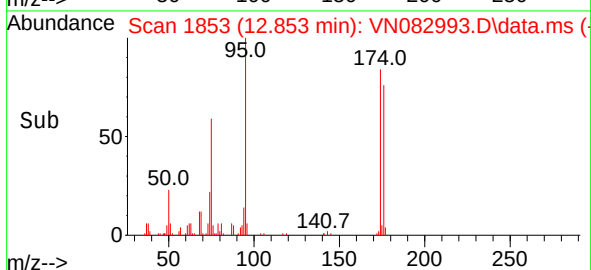
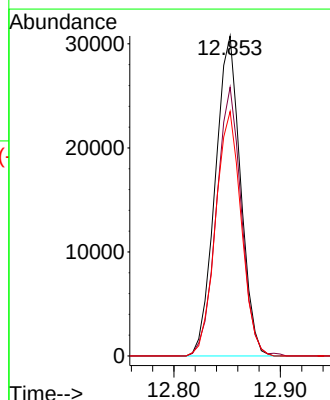
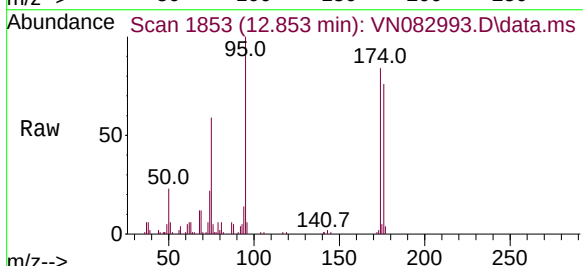
Tgt Ion: 95 Resp: 50700

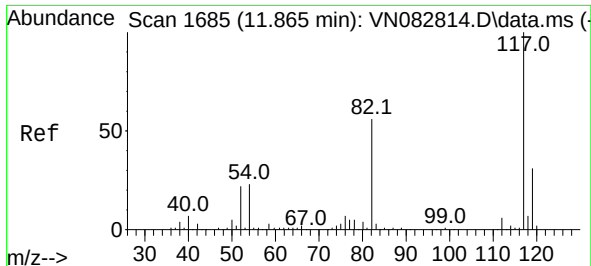
Ion Ratio Lower Upper

95 100

174 82.7 0.0 159.2

176 77.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

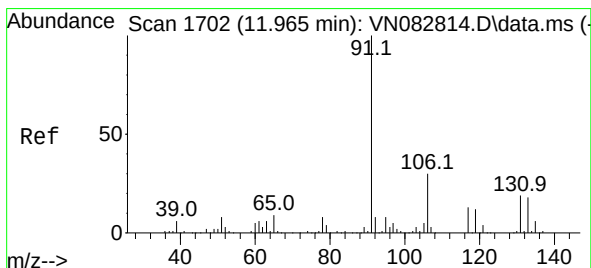
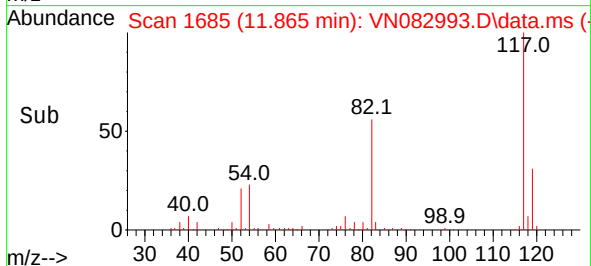
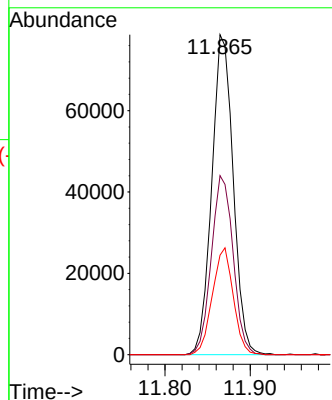
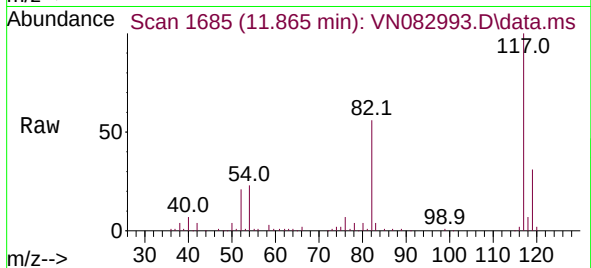
Tgt Ion:117 Resp: 137352

Ion Ratio Lower Upper

117 100

82 55.9 47.5 71.3

119 31.1 25.6 38.4



#67

Ethyl Benzene

Concen: 0.607 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.001 min

Lab File: VN082993.D

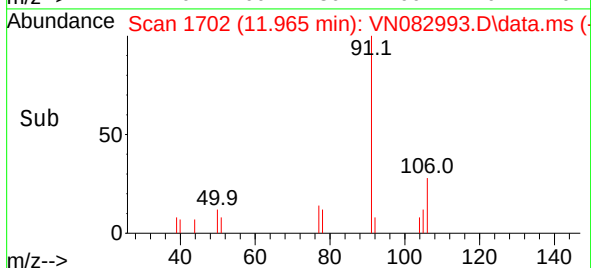
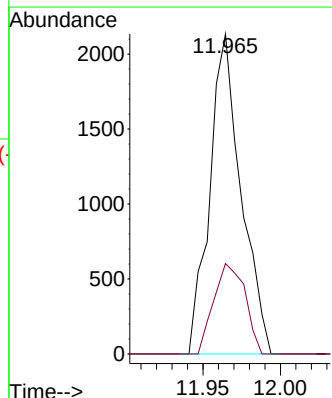
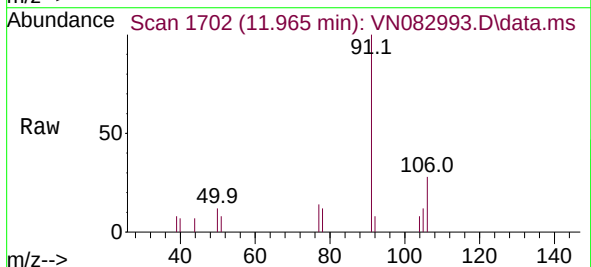
Acq: 19 Jul 2024 16:59

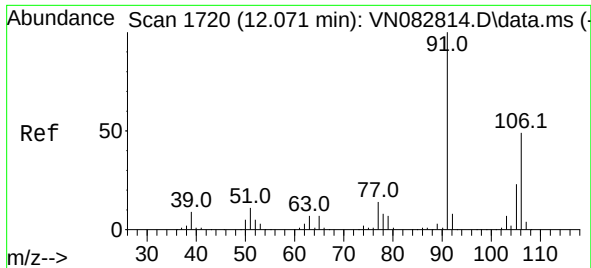
Tgt Ion: 91 Resp: 3003

Ion Ratio Lower Upper

91 100

106 28.3 24.0 36.0





#68

m/p-Xylenes

Concen: 1.631 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.005 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

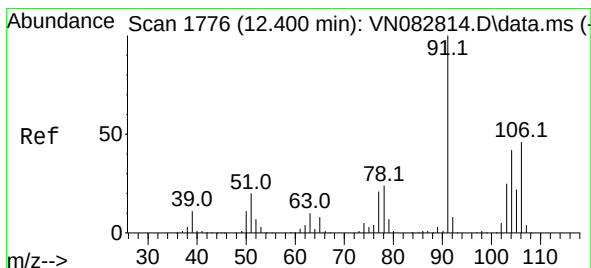
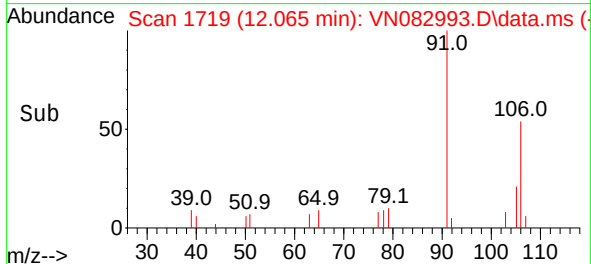
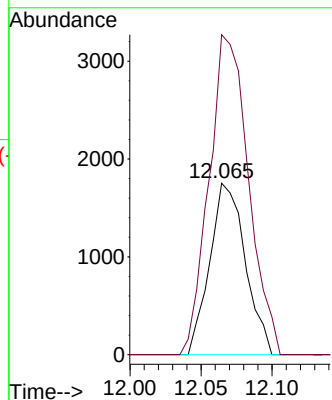
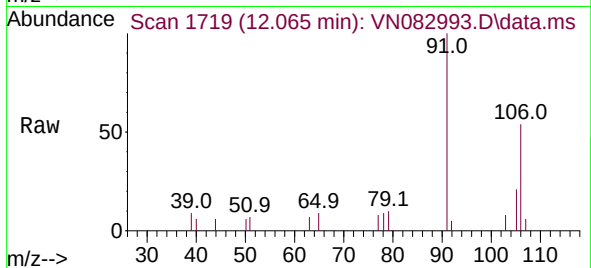
ClientSampleId :

Tgt Ion:106 Resp: 3046

Ion Ratio Lower Upper

106 100

91 207.6 166.1 249.1



#69

o-Xylene

Concen: 0.785 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN082993.D

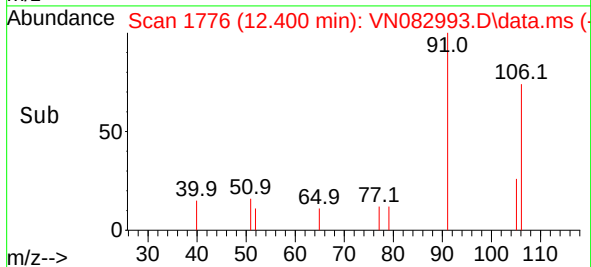
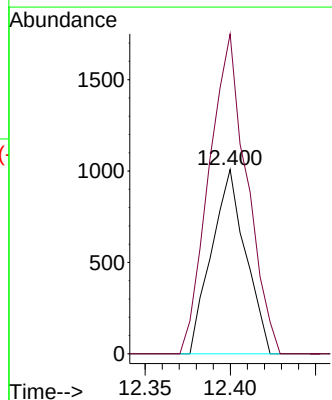
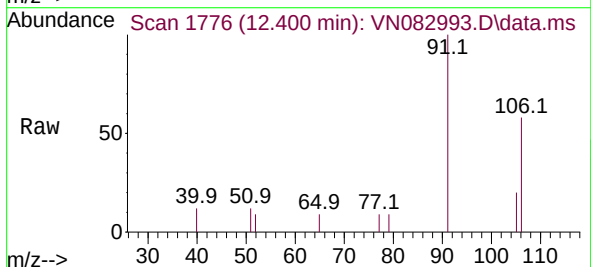
Acq: 19 Jul 2024 16:59

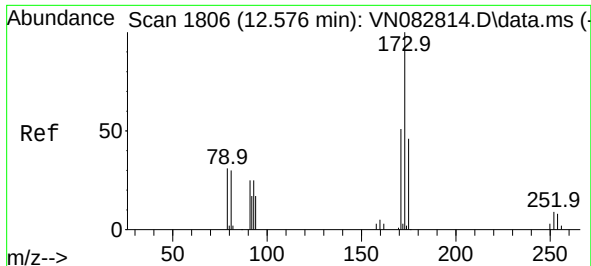
Tgt Ion:106 Resp: 1405

Ion Ratio Lower Upper

106 100

91 192.4 111.3 333.9

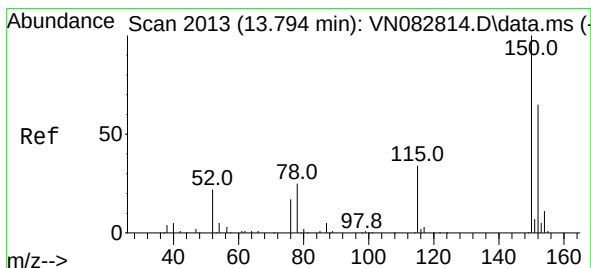
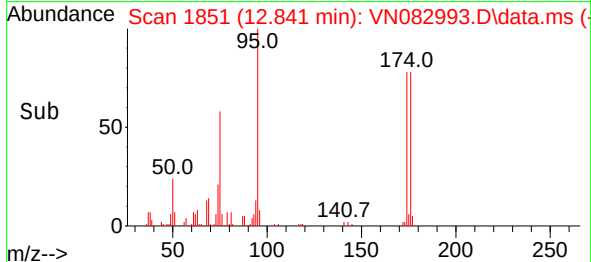
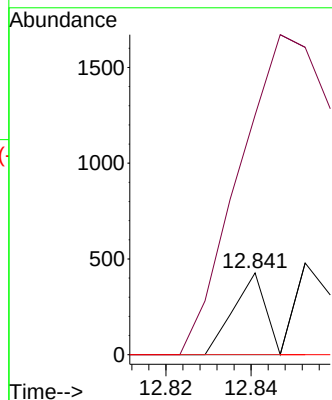
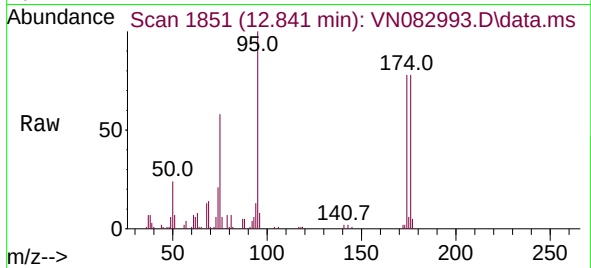




#71
Bromoform
Concen: 0.273 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.259 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

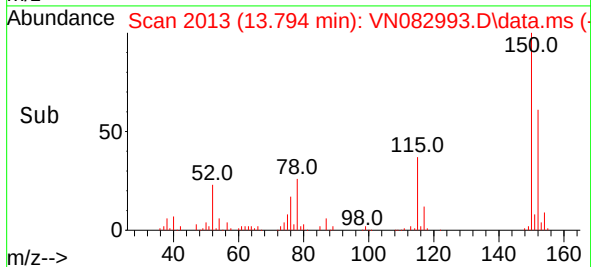
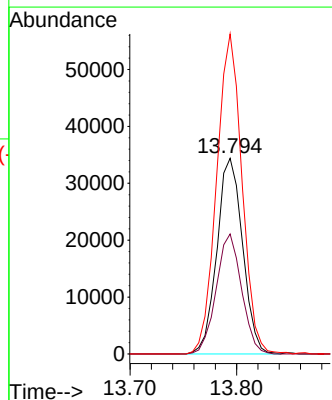
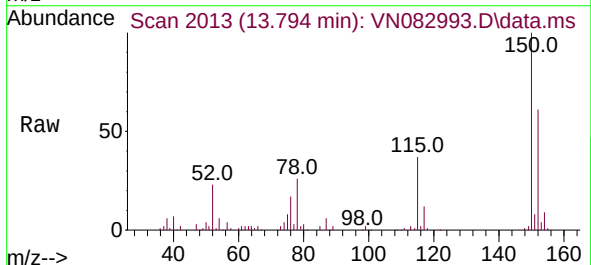
Instrument :
MSVOA_N
ClientSampleId :

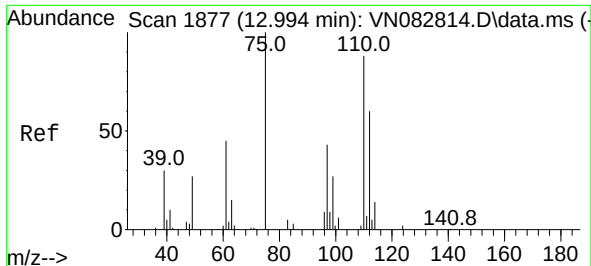
Tgt Ion:173 Resp: 225
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

Tgt Ion:152 Resp: 57534
Ion Ratio Lower Upper
152 100
115 60.4 30.6 91.6
150 161.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 29.852 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

Instrument :

MSVOA_N

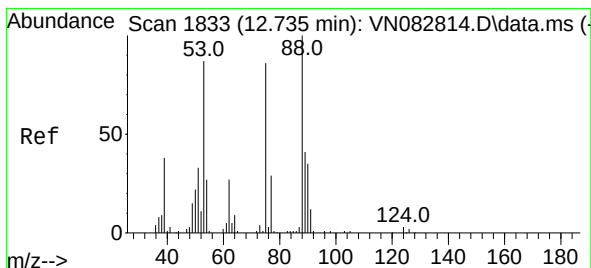
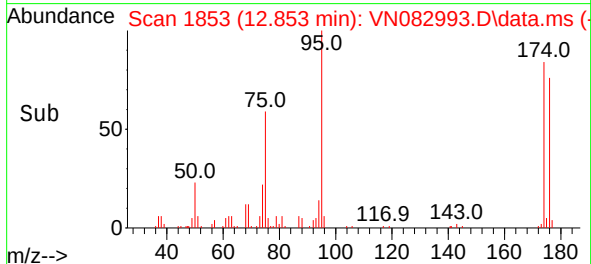
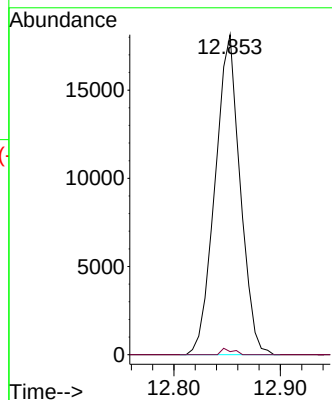
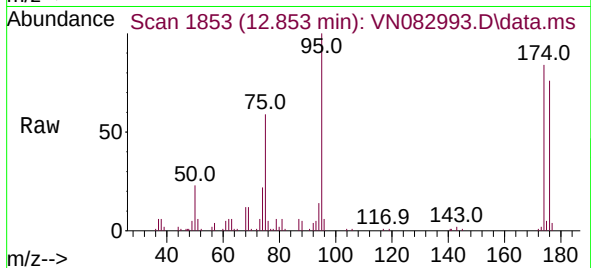
ClientSampleId :

Tgt Ion: 75 Resp: 29611

Ion Ratio Lower Upper

75 100

77 0.9 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.711 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082993.D

Acq: 19 Jul 2024 16:59

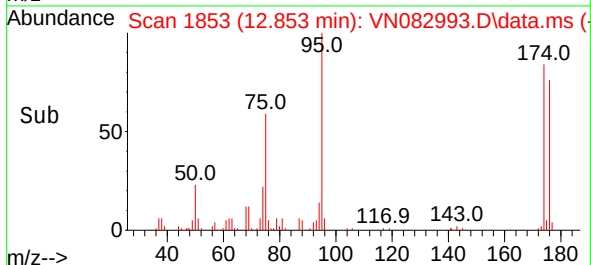
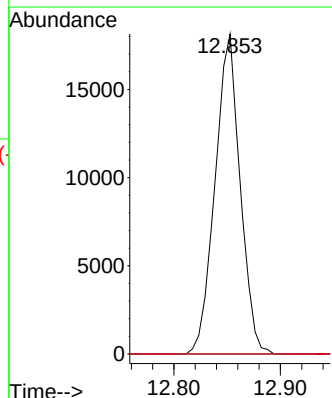
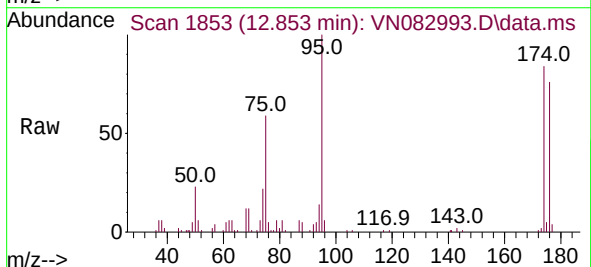
Tgt Ion: 75 Resp: 29611

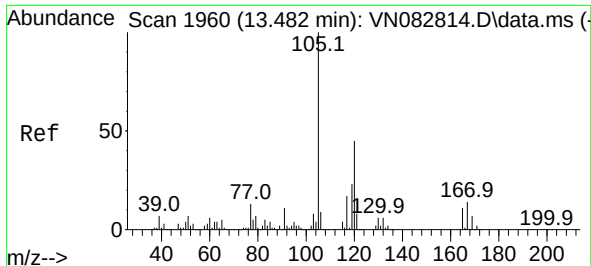
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

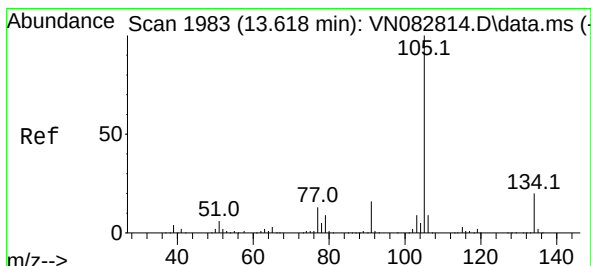
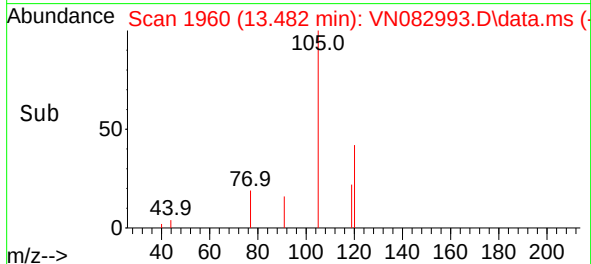
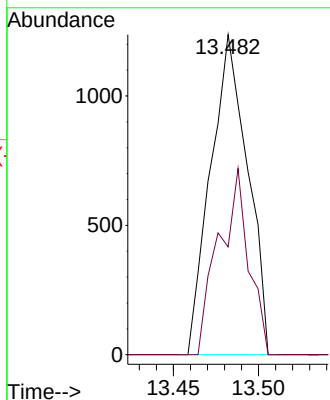
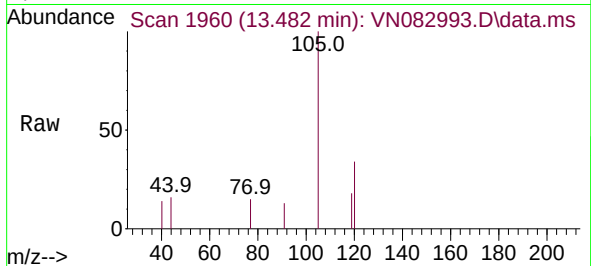




#84
1,2,4-Trimethylbenzene
Concen: 0.542 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

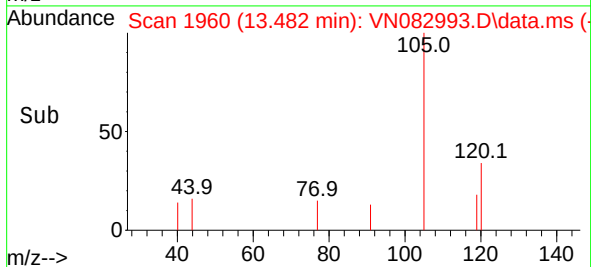
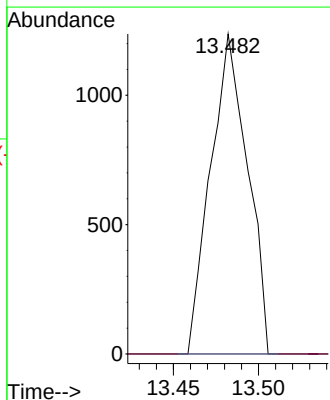
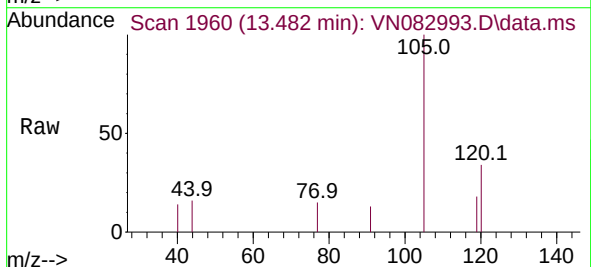
Instrument :
MSVOA_N
ClientSampleId :

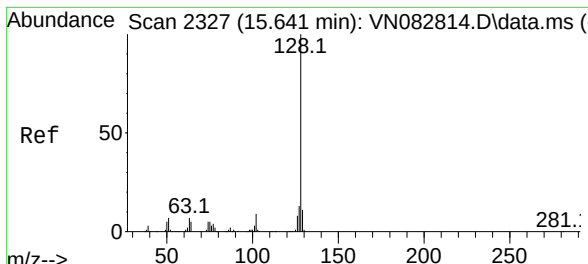
Tgt Ion:105 Resp: 1868
Ion Ratio Lower Upper
105 100
120 47.1 21.9 65.8



#85
sec-Butylbenzene
Concen: 0.461 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.135 min
Lab File: VN082993.D
Acq: 19 Jul 2024 16:59

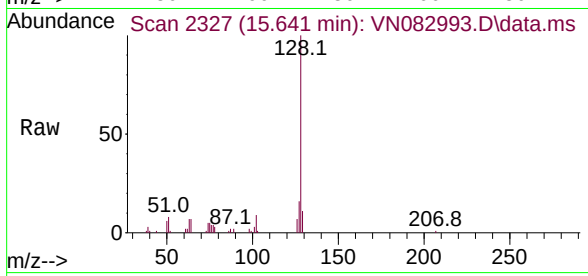
Tgt Ion:105 Resp: 1868
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#95
 Naphthalene
 Concen: 11.083 ug/l
 RT: 15.641 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: VN082993.D
 Acq: 19 Jul 2024 16:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 38680

Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	16.0
129	10.7	8.6	12.8

