

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082724\
 Data File : VN083517.D
 Acq On : 27 Aug 2024 18:19
 Operator : JC\MD
 Sample : P3739-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:50:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

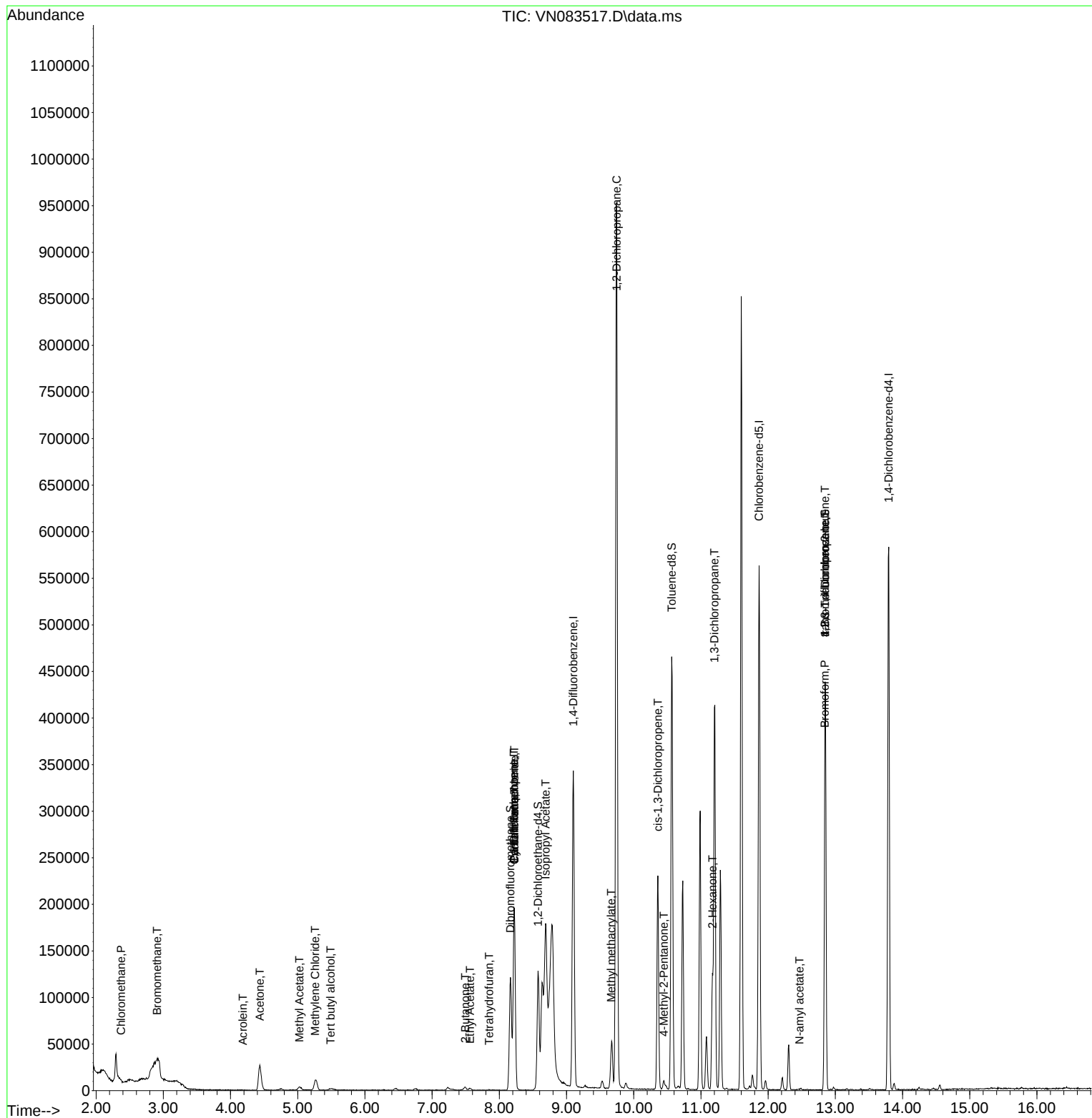
Internal Standards						
1) Pentafluorobenzene	8.218	168	137180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108707	55.673	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.340%	
35) Dibromofluoromethane	8.165	113	86166	48.866	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.740%	
50) Toluene-d8	10.565	98	315818	48.014	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.020%	
62) 4-Bromofluorobenzene	12.847	95	153228	59.754	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	119.500%	
Target Compounds						
						Qvalue
3) Chloromethane	2.371	50	651	0.409	ug/l #	43
5) Bromomethane	2.907	94	746	0.740	ug/l #	59
11) Tert butyl alcohol	5.489	59	763	1.880	ug/l #	71
13) Acrolein	4.183	56	191	0.722	ug/l #	14
16) Acetone	4.436	43	47753	62.500	ug/l	99
18) Methyl Acetate	5.024	43	8073	3.546	ug/l	100
20) Methylene Chloride	5.259	84	8640	4.914	ug/l #	80
25) 2-Butanone	7.494	43	6055	5.161	ug/l #	88
29) Tetrahydrofuran	7.847	42	305	0.402	ug/l #	38
31) Cyclohexane	8.224	56	3511	1.213	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	12654	4.744	ug/l #	53
37) Ethyl Acetate	7.565	43	3423	1.146	ug/l #	88
38) Carbon Tetrachloride	8.224	117	14931	4.970	ug/l #	17
43) Isopropyl Acetate	8.688	43	221138	42.210	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1088	0.577	ug/l #	44
48) Methyl methacrylate	9.665	41	3571	1.446	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	10126	3.585	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	39708	11.989	ug/l #	56
57) 1,3-Dichloropropane	11.200	76	4413	1.376	ug/l #	43
59) 2-Hexanone	11.171	43	96818	44.311	ug/l #	28
71) Bromoform	12.841	173	683	0.379	ug/l #	29
74) N-amyl acetate	12.465	43	1323	0.209	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	83496	24.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83496	53.539	ug/l #	6

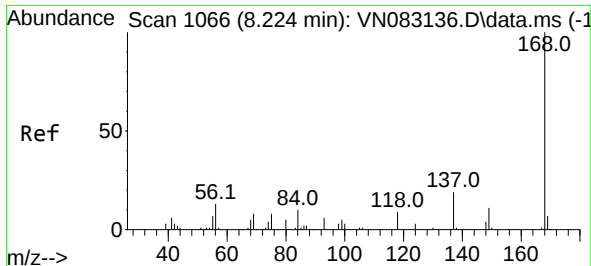
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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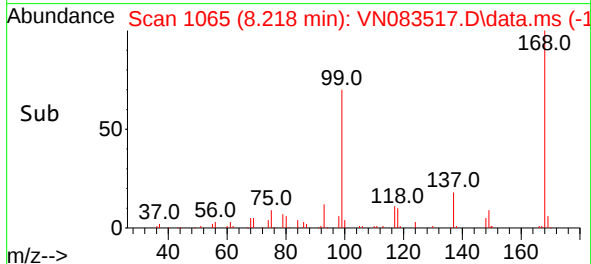
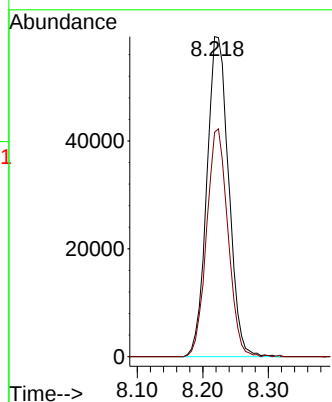
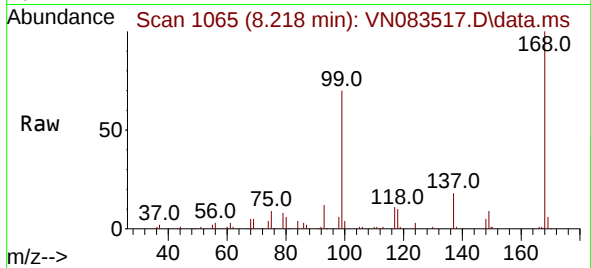




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

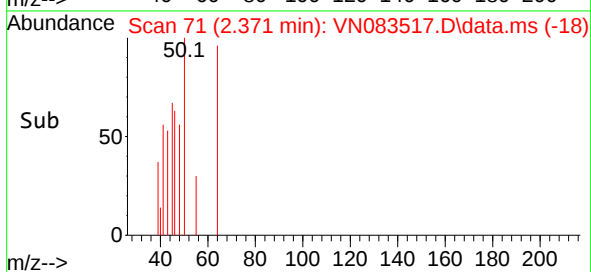
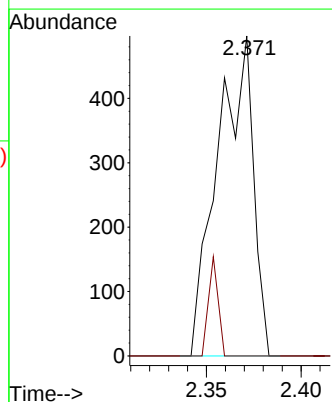
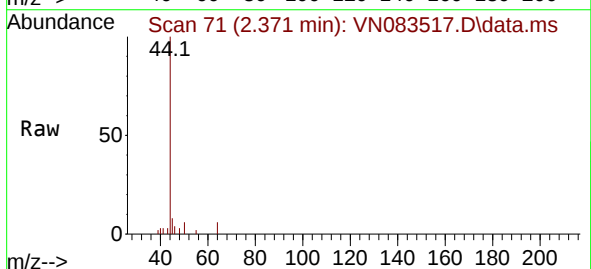
Instrument :
MSVOA_N
ClientSampleId :

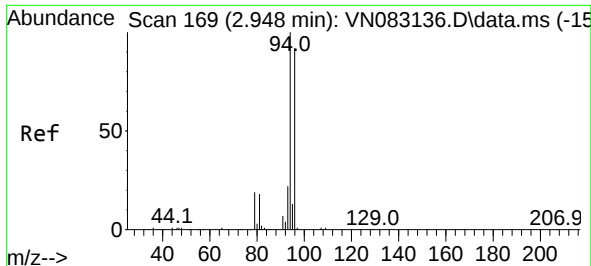
Tgt Ion:168 Resp: 137180
Ion Ratio Lower Upper
168 100
99 70.1 48.2 72.4



#3
Chloromethane
Concen: 0.409 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

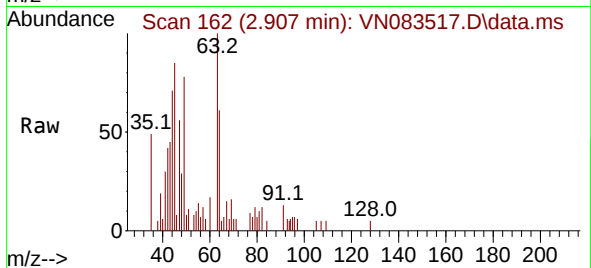
Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



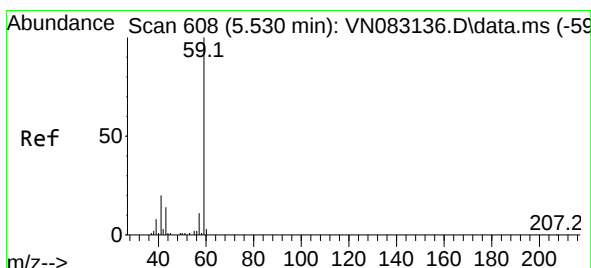
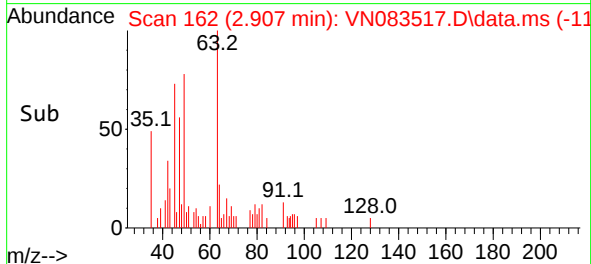
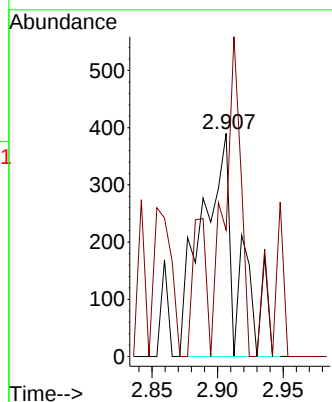


#5
Bromomethane
Concen: 0.740 ug/l
RT: 2.907 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Instrument :
MSVOA_N
ClientSampleId :

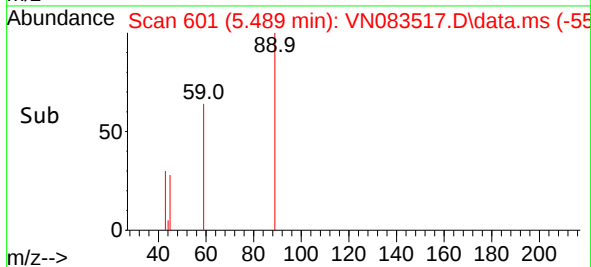
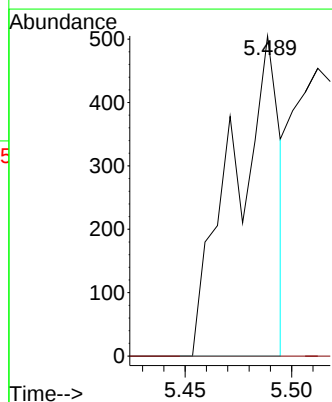
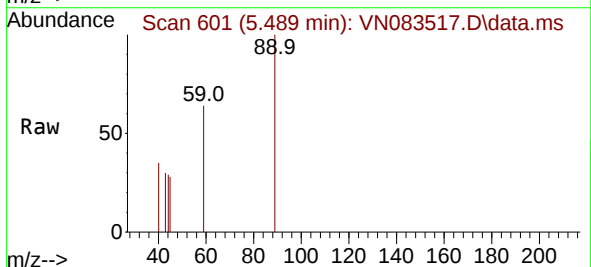


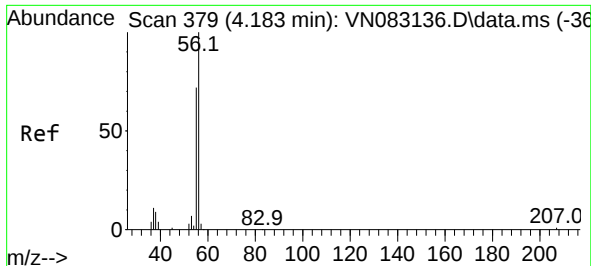
Tgt Ion: 94 Resp: 746
Ion Ratio Lower Upper
94 100
96 56.7 78.0 117.0#



#11
Tert butyl alcohol
Concen: 1.880 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Tgt Ion: 59 Resp: 763
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

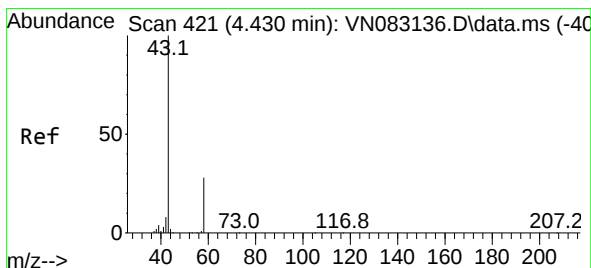
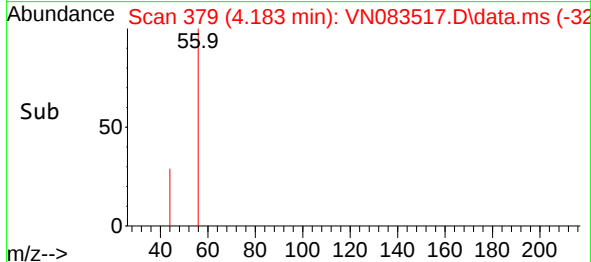
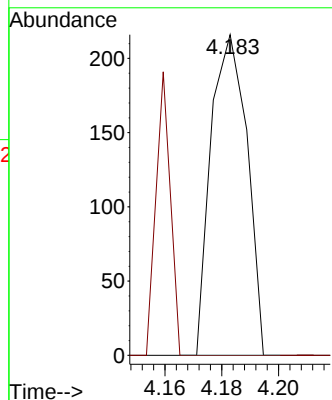
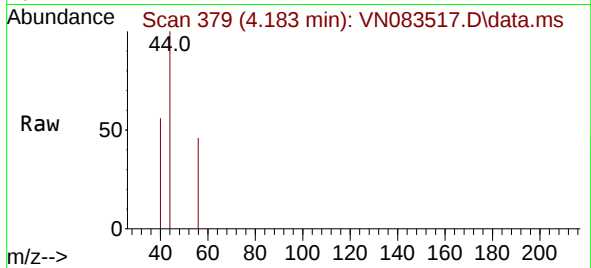




#13
Acrolein
Concen: 0.722 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

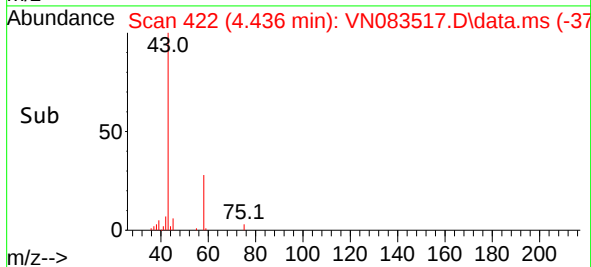
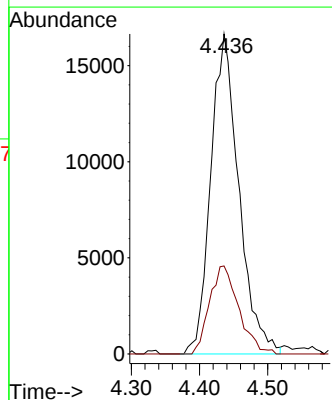
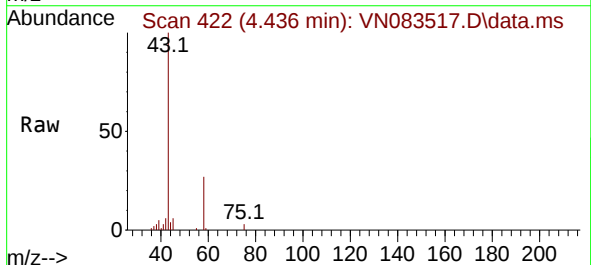
Instrument :
MSVOA_N
ClientSampleId :

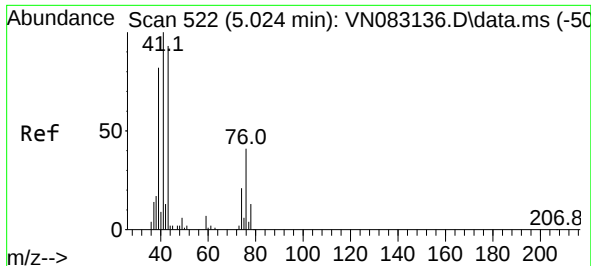
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 62.500 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Tgt Ion: 43 Resp: 47753
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.6





#18

Methyl Acetate

Concen: 3.546 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

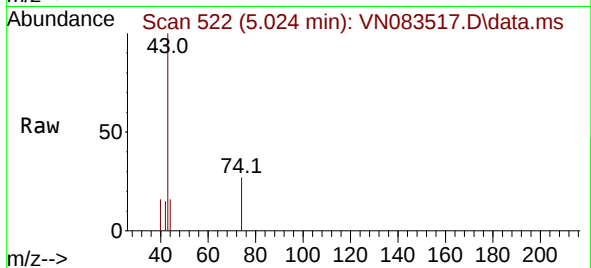
Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :

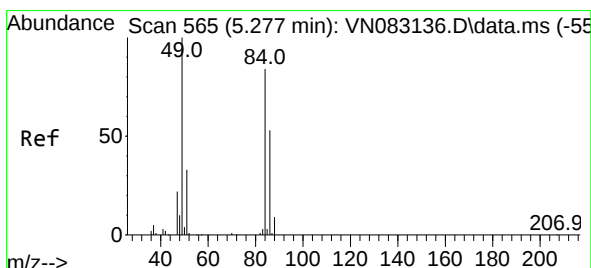
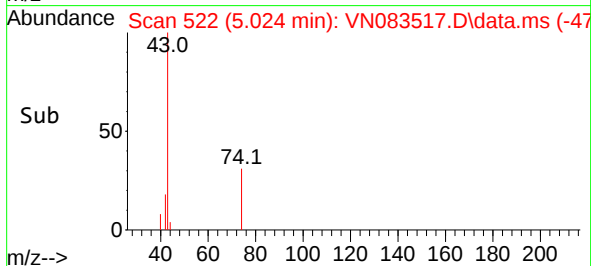
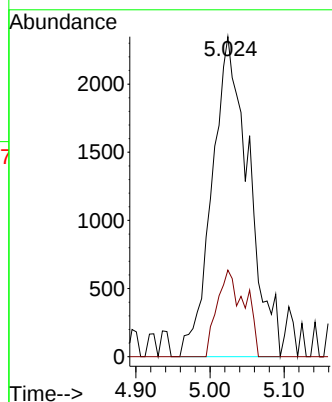


Tgt Ion: 43 Resp: 8073

Ion Ratio Lower Upper

43 100

74 20.3 16.3 24.5



#20

Methylene Chloride

Concen: 4.914 ug/l

RT: 5.259 min Scan# 562

Delta R.T. -0.018 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Tgt Ion: 84 Resp: 8640

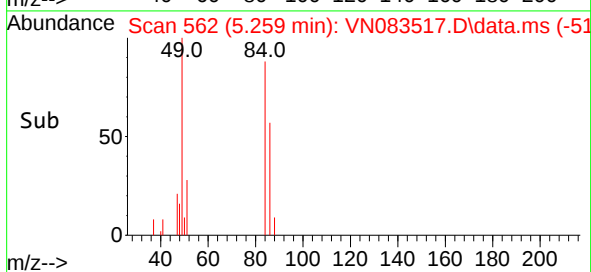
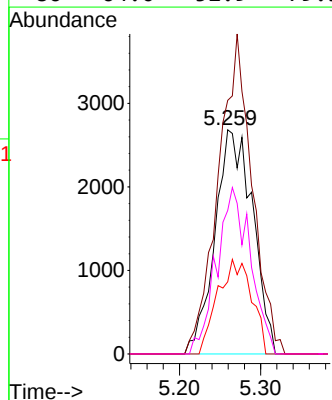
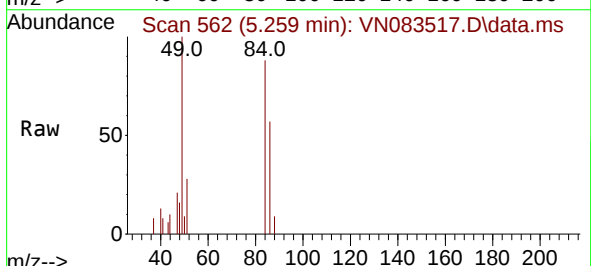
Ion Ratio Lower Upper

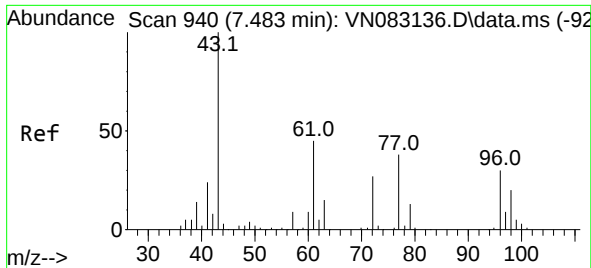
84 100

49 113.1 119.6 179.4#

51 32.2 34.8 52.2#

86 64.0 52.9 79.3

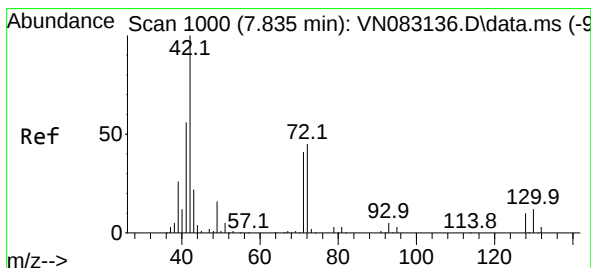
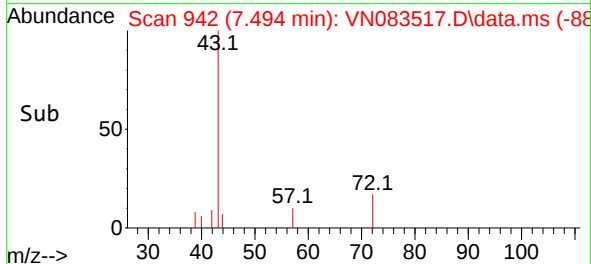
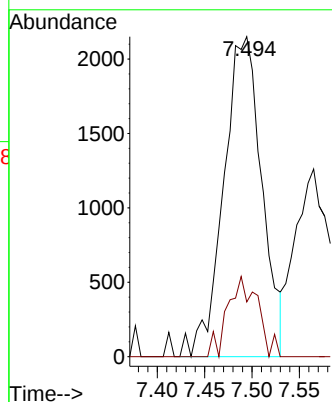
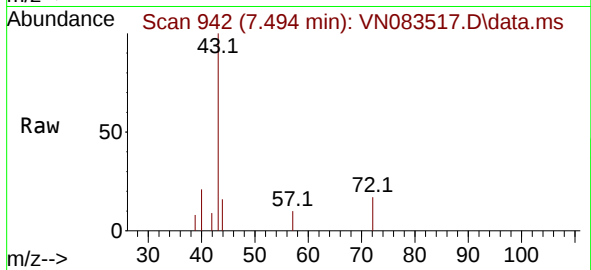




#25
2-Butanone
Concen: 5.161 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

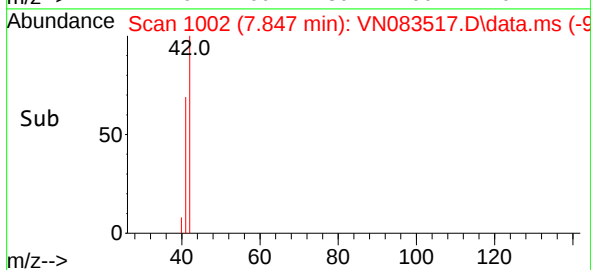
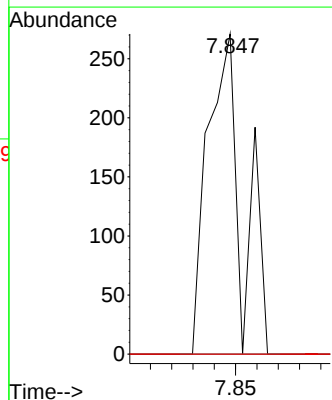
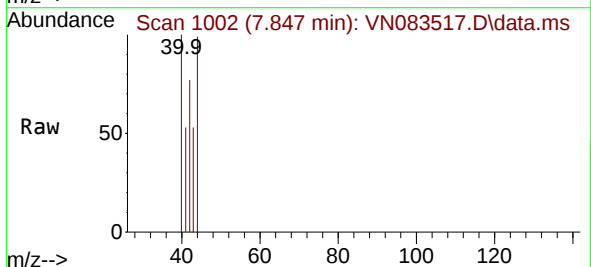
Instrument :
MSVOA_N
ClientSampleId :

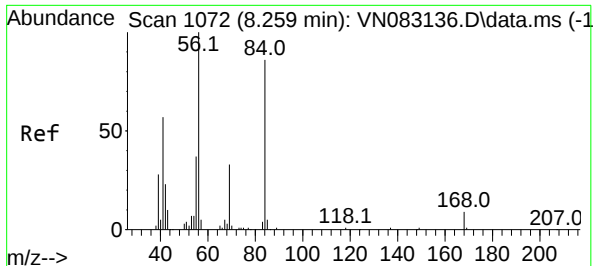
Tgt Ion: 43 Resp: 6055
Ion Ratio Lower Upper
43 100
72 17.1 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.402 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

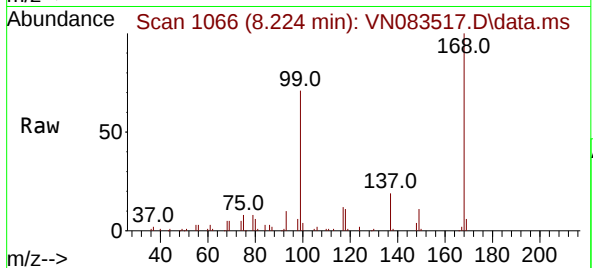
Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



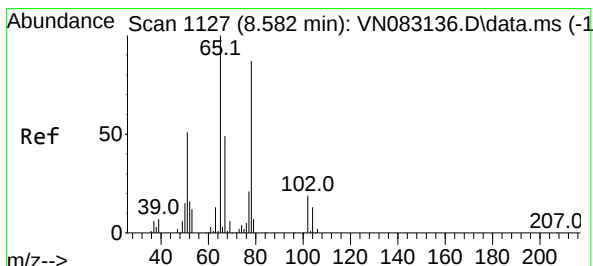
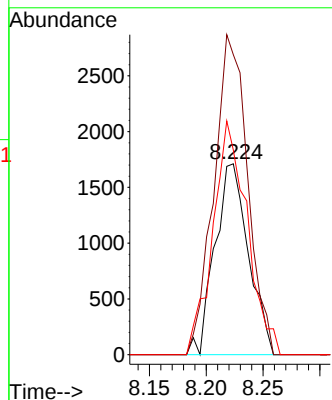
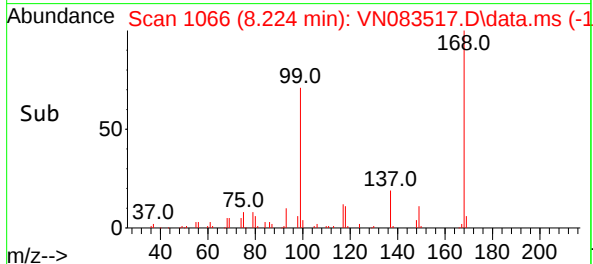


#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Instrument :
MSVOA_N
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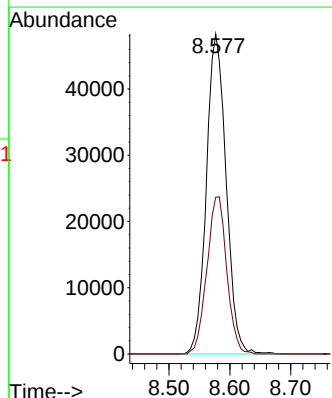
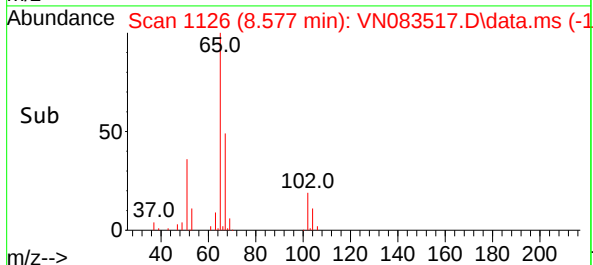
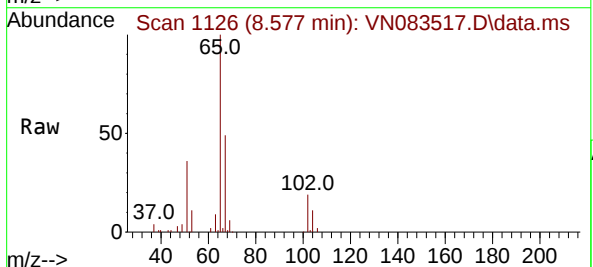


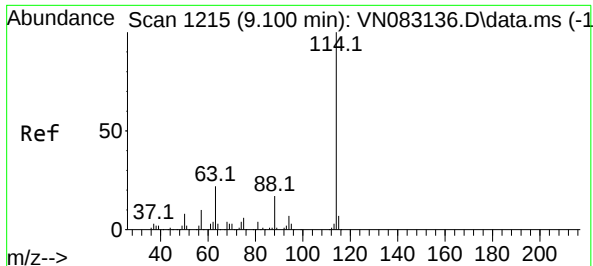
Tgt Ion: 56 Resp: 3511
Ion Ratio Lower Upper
56 100
69 157.2 24.5 36.7#
84 107.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 55.673 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Tgt Ion: 65 Resp: 108707
Ion Ratio Lower Upper
65 100
67 49.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :

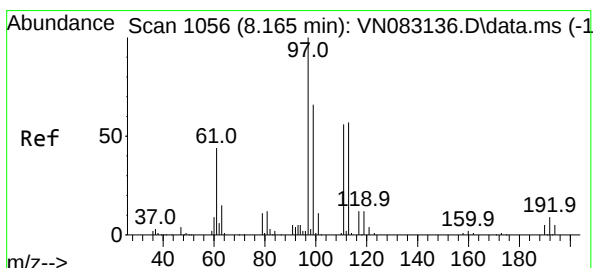
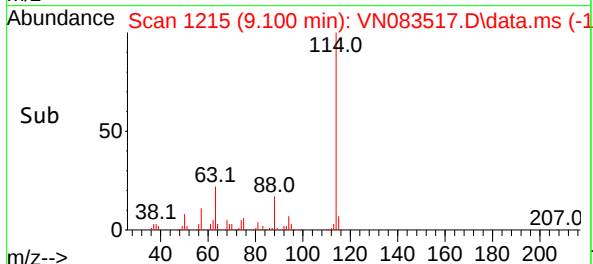
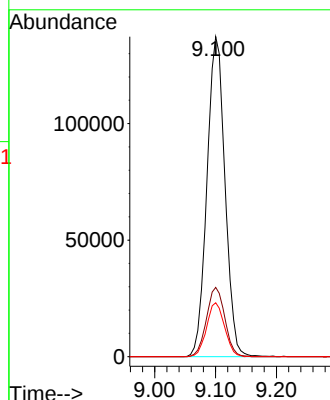
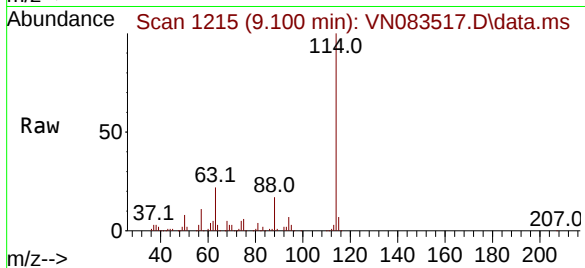
Tgt Ion:114 Resp: 282503

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 16.8 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

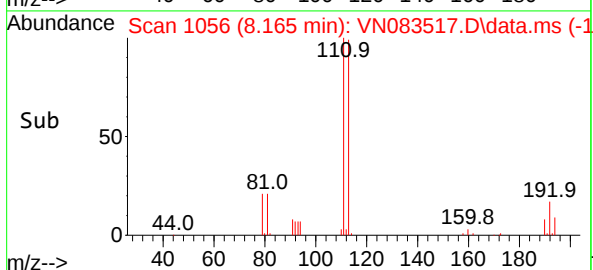
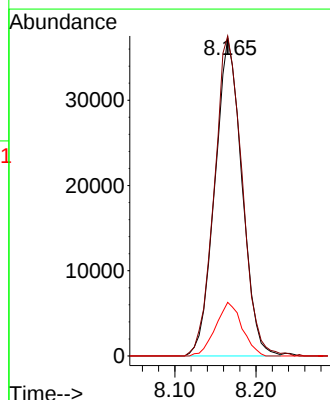
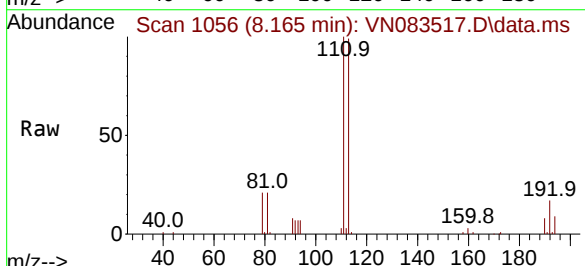
Tgt Ion:113 Resp: 86166

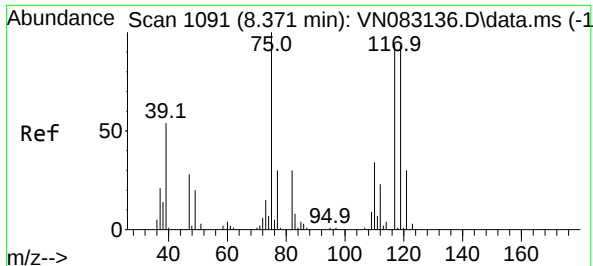
Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

192 16.5 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

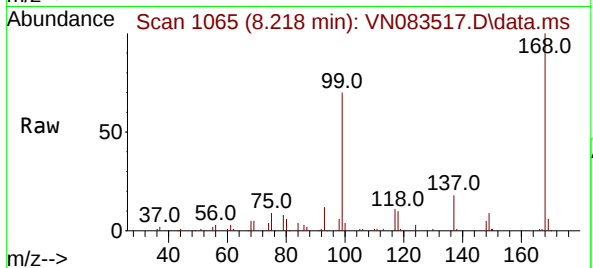
Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

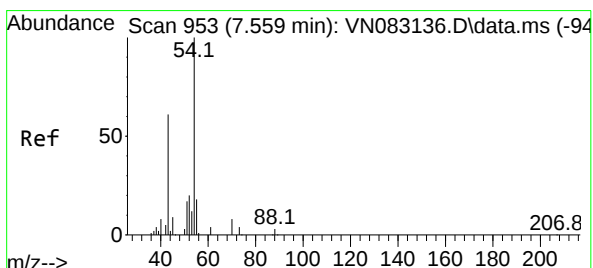
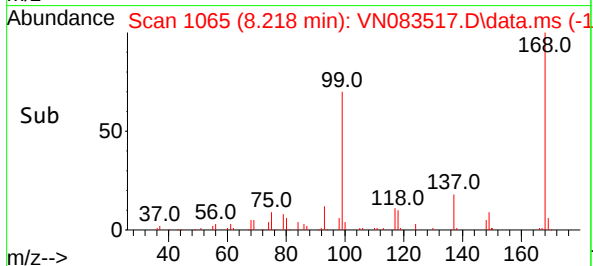
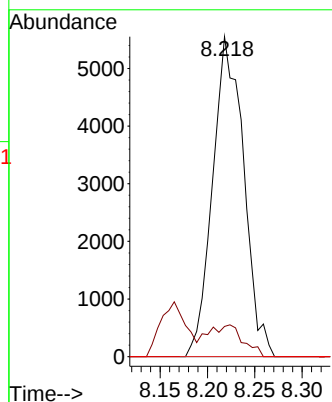
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 12654
Ion Ratio	Lower Upper
75 100	
110 11.4	16.3 48.9#
77 0.0	24.6 37.0#



#37

Ethyl Acetate

Concen: 1.146 ug/l

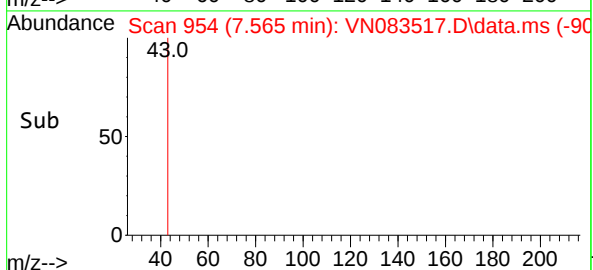
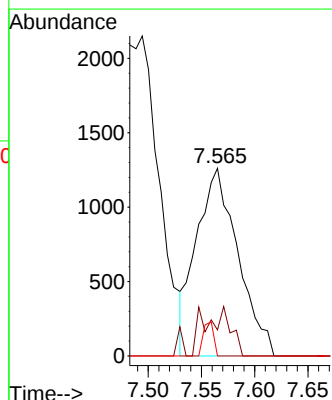
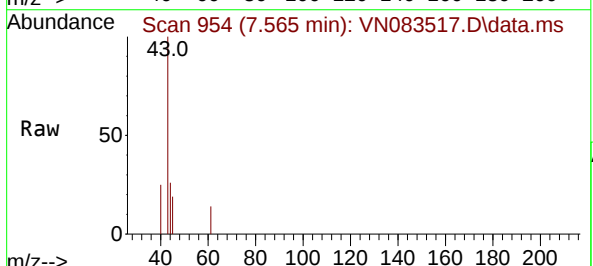
RT: 7.565 min Scan# 954

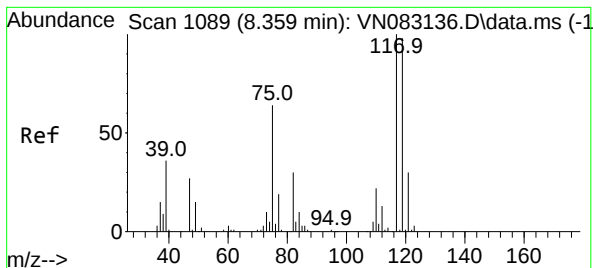
Delta R.T. 0.006 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Tgt Ion: 43	Resp: 3423
Ion Ratio	Lower Upper
43 100	
61 16.2	9.3 13.9#
70 4.5	7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

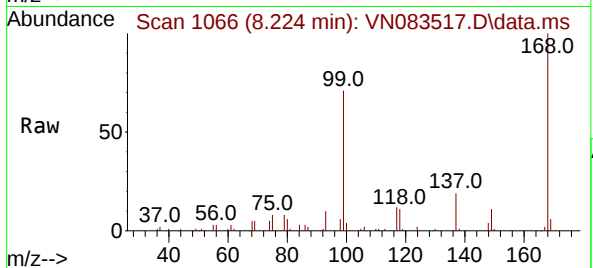
Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :



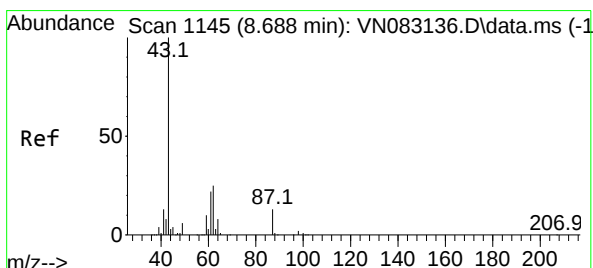
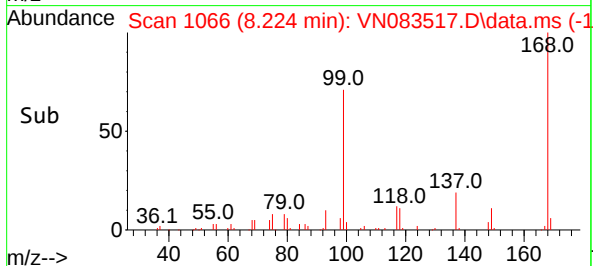
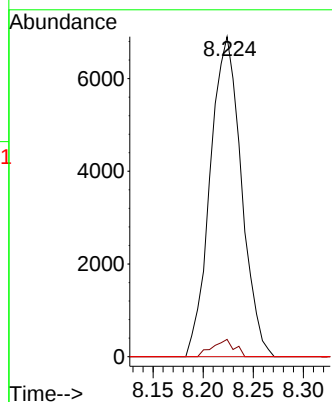
Tgt Ion:117 Resp: 14931

Ion Ratio Lower Upper

117 100

119 5.4 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 42.210 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

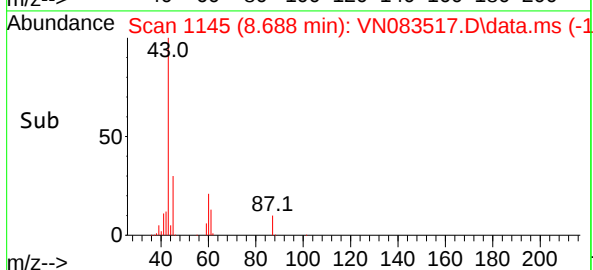
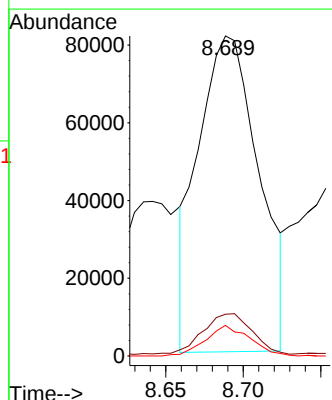
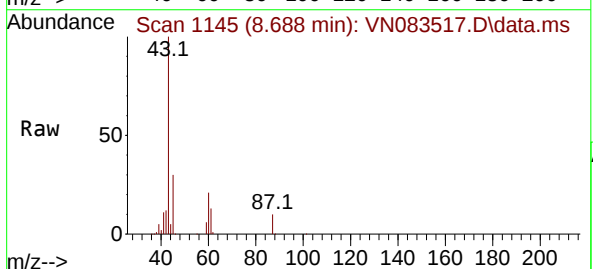
Tgt Ion: 43 Resp: 221138

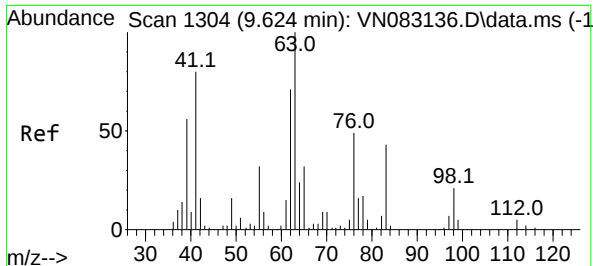
Ion Ratio Lower Upper

43 100

61 11.9 17.8 26.6#

87 7.1 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.577 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

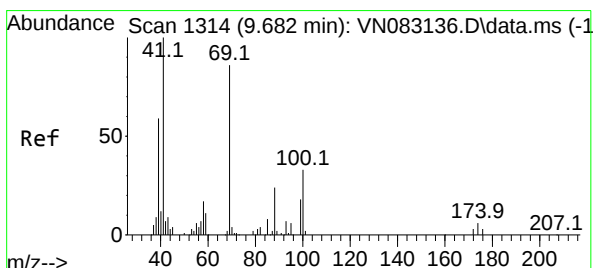
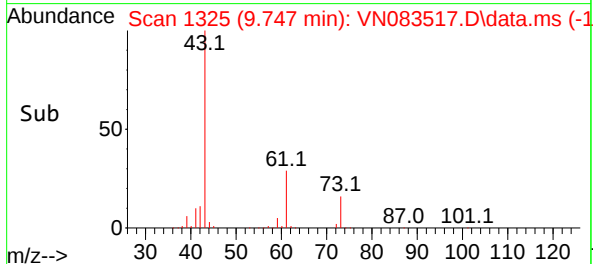
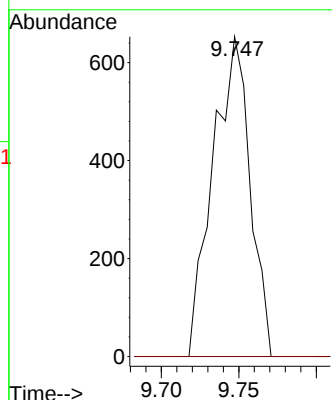
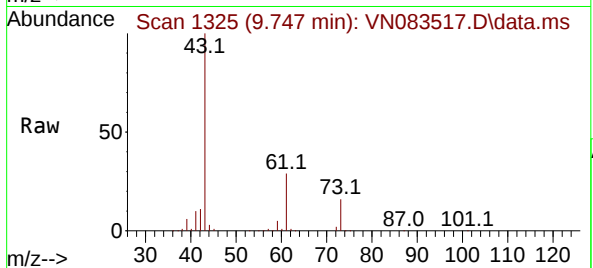
ClientSampleId :

Tgt Ion: 63 Resp: 1088

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.446 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

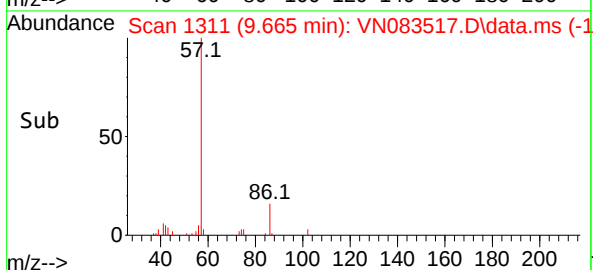
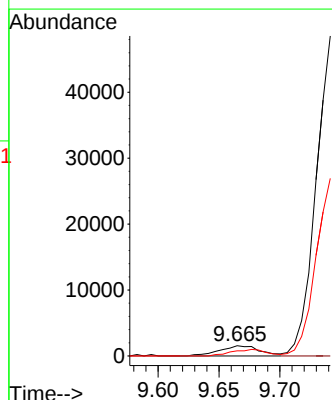
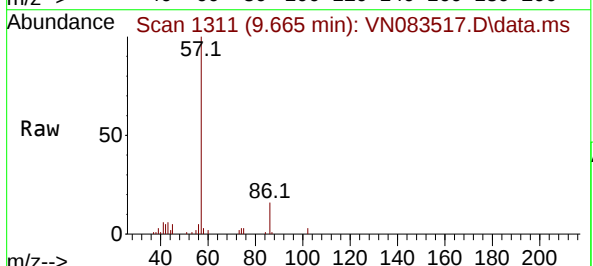
Tgt Ion: 41 Resp: 3571

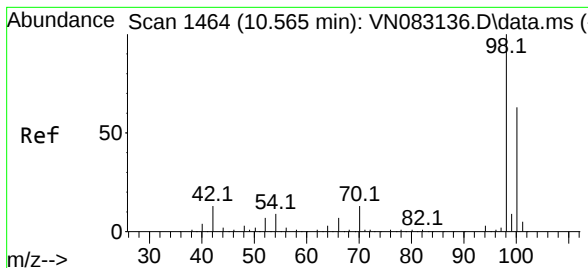
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 55.4 50.3 75.5

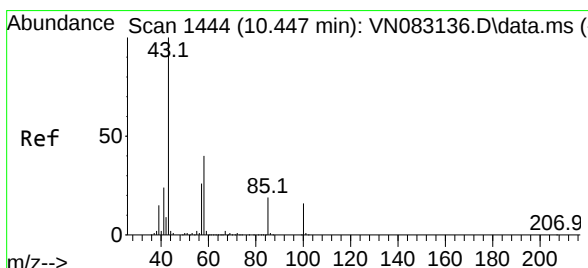
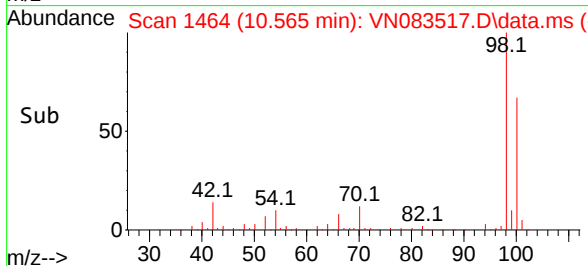
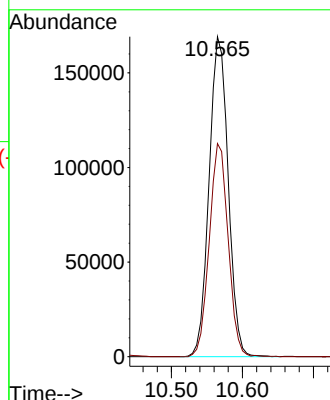
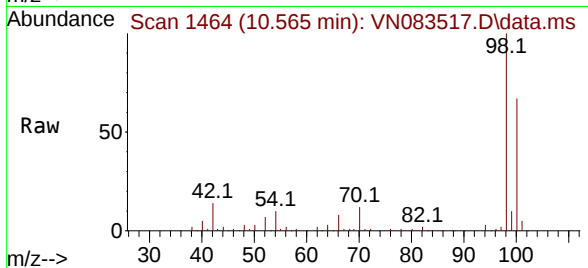




#50
Toluene-d8
Concen: 48.014 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

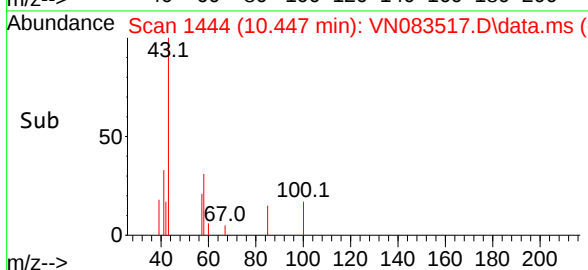
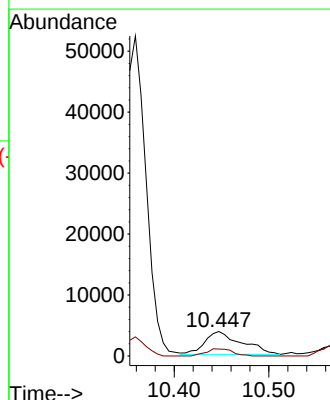
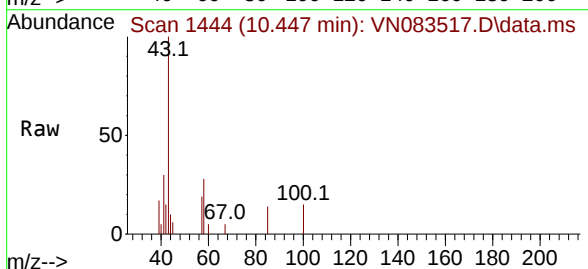
Instrument :
MSVOA_N
ClientSampleId :

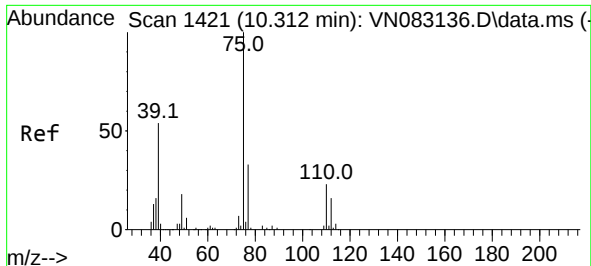
Tgt Ion: 98 Resp: 315818
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.585 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Tgt Ion: 43 Resp: 10126
Ion Ratio Lower Upper
43 100
58 22.2 28.2 42.4#

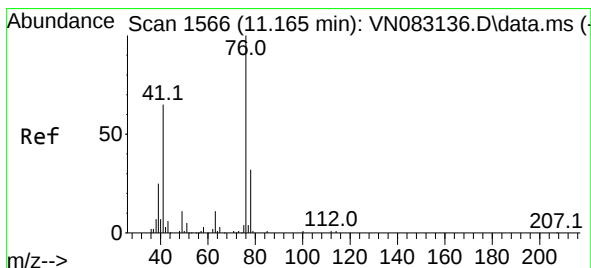
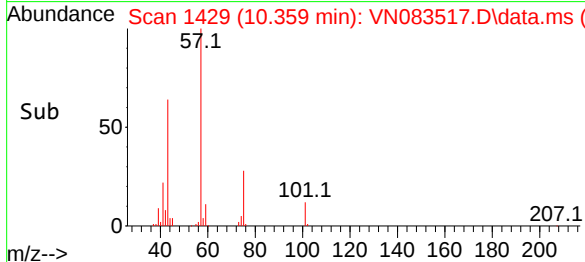
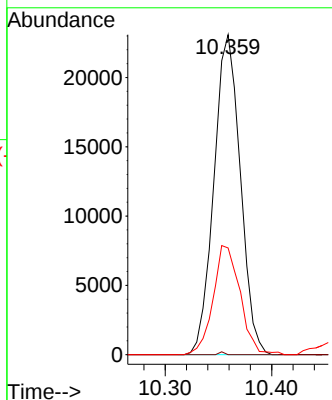
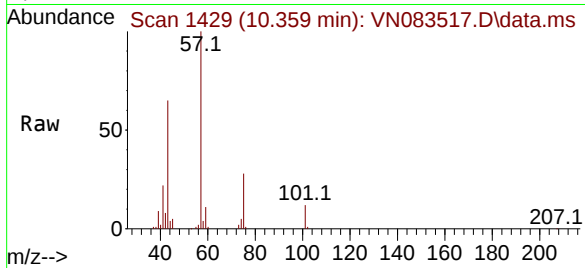




#54
 cis-1,3-Dichloropropene
 Concen: 11.989 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083517.D
 Acq: 27 Aug 2024 18:19

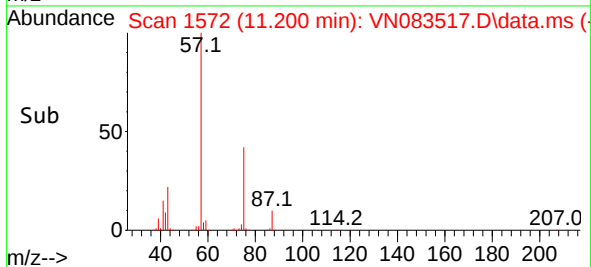
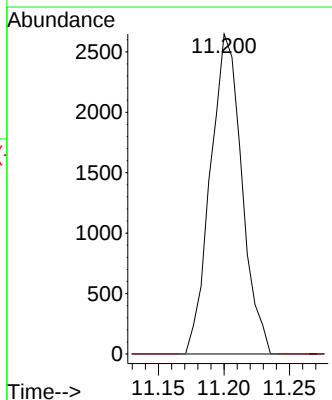
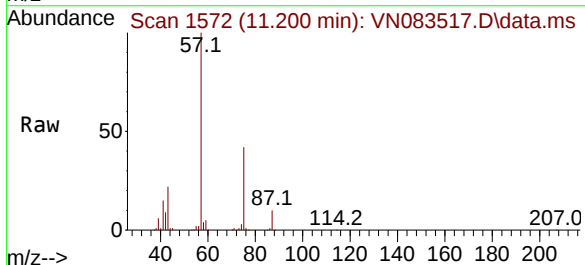
Instrument :
 MSVOA_N
 ClientSampleId :

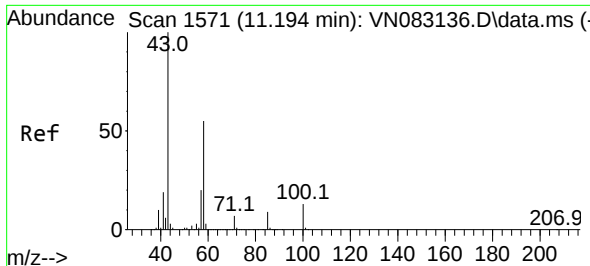
Tgt Ion: 75 Resp: 39708
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 33.3 50.5 75.7#



#57
 1,3-Dichloropropane
 Concen: 1.376 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN083517.D
 Acq: 27 Aug 2024 18:19

Tgt Ion: 76 Resp: 4413
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

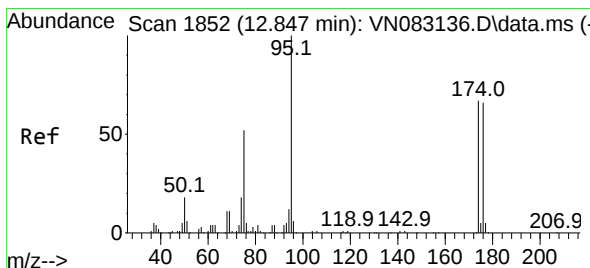
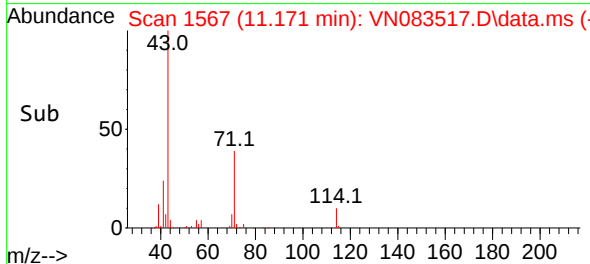
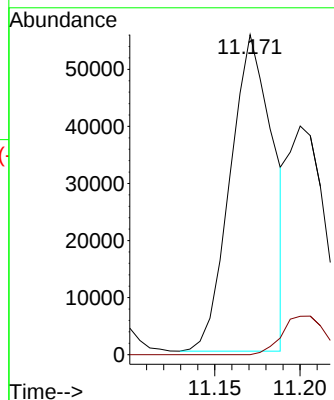
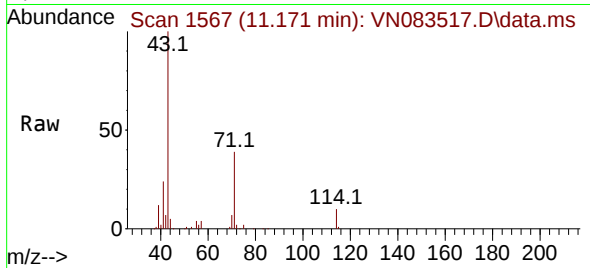




#59
2-Hexanone
Concen: 44.311 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

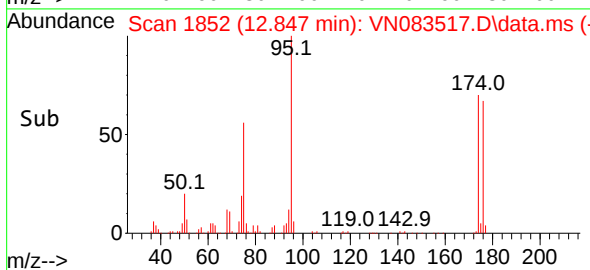
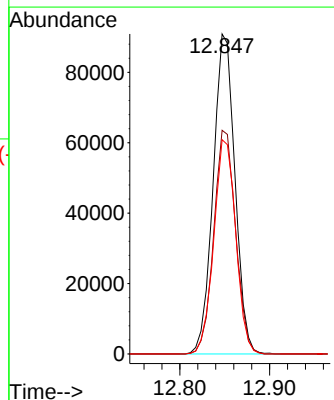
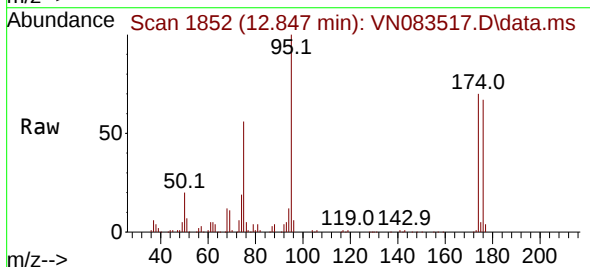
Instrument :
MSVOA_N
ClientSampleId :

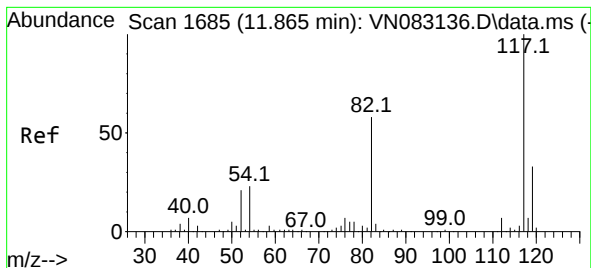
Tgt Ion: 43 Resp: 96818
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 59.754 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

Tgt Ion: 95 Resp: 153228
Ion Ratio Lower Upper
95 100
174 70.2 0.0 159.2
176 67.5 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

ClientSampleId :

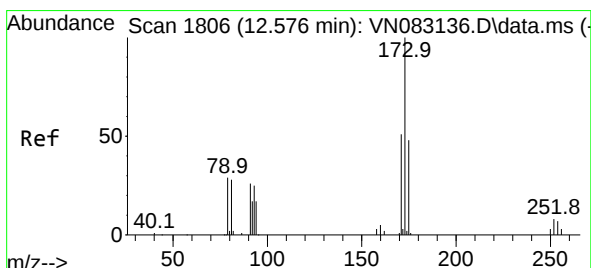
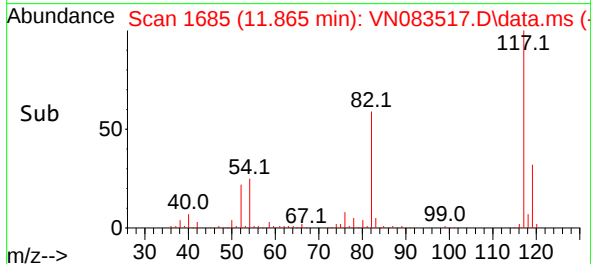
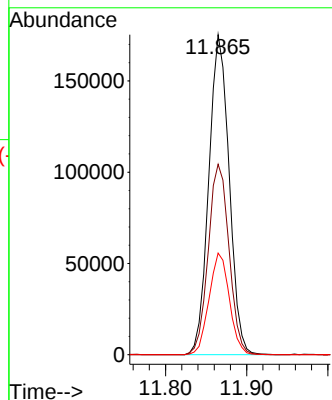
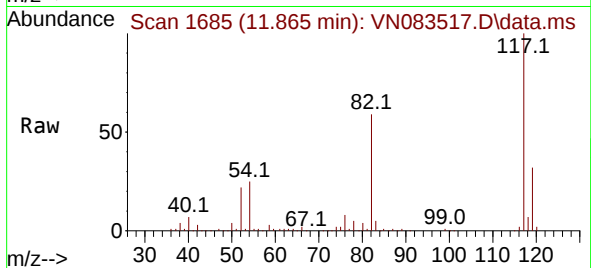
Tgt Ion:117 Resp: 305351

Ion Ratio Lower Upper

117 100

82 59.5 47.5 71.3

119 31.7 25.6 38.4



#71

Bromoform

Concen: 0.379 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

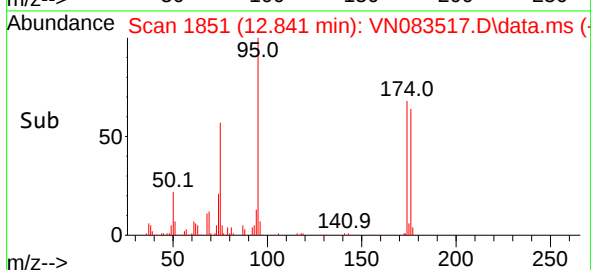
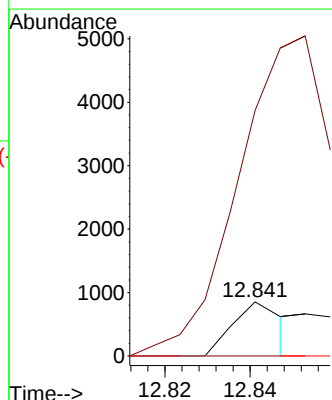
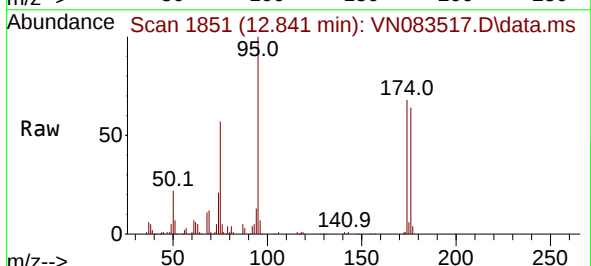
Tgt Ion:173 Resp: 683

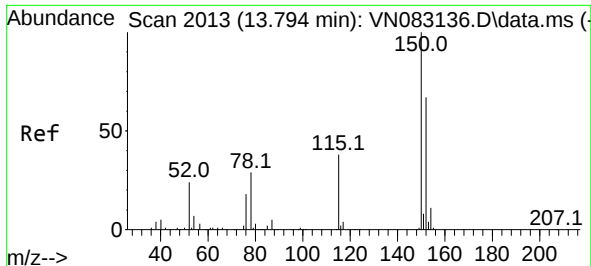
Ion Ratio Lower Upper

173 100

175 0.0 24.0 72.0#

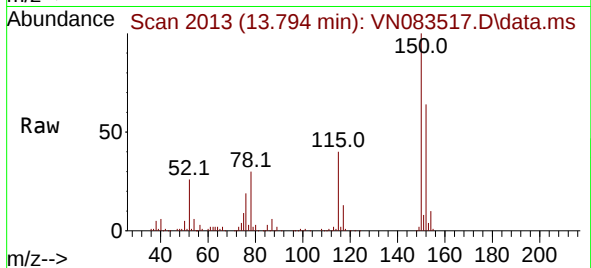
254 0.0 0.0 0.0



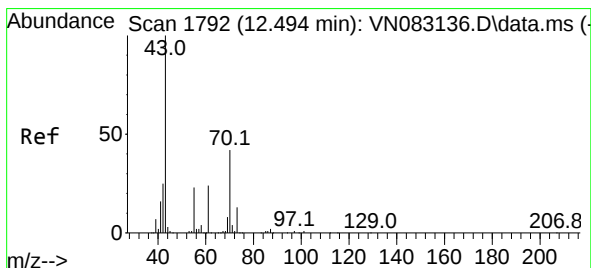
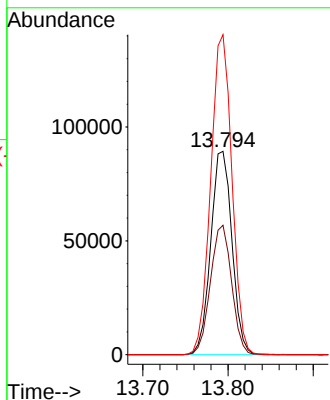
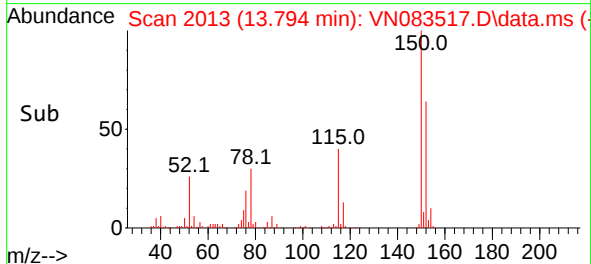


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19

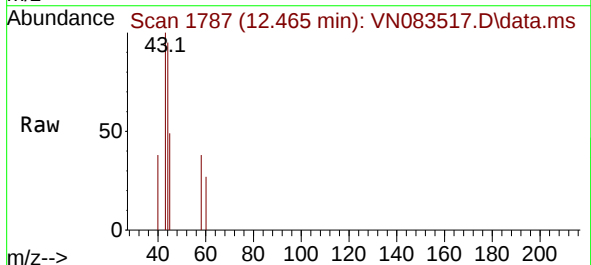
Instrument :
MSVOA_N
ClientSampleId :



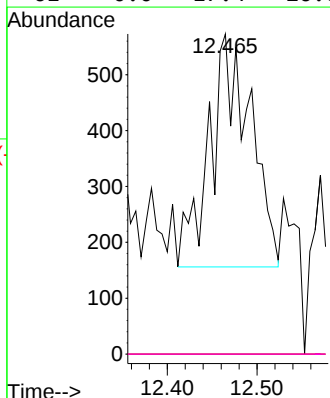
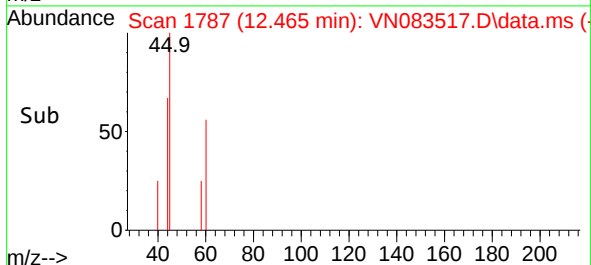
Tgt Ion:152 Resp: 154568
Ion Ratio Lower Upper
152 100
115 63.7 30.6 91.6
150 157.1 0.0 348.6

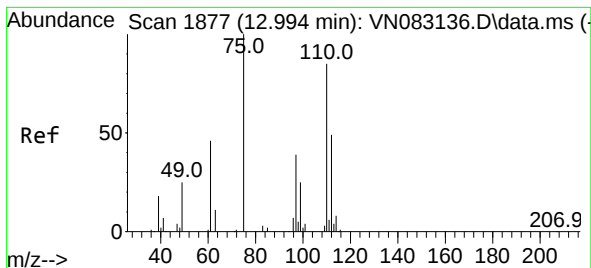


#74
N-ethyl acetate
Concen: 0.209 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN083517.D
Acq: 27 Aug 2024 18:19



Tgt Ion: 43 Resp: 1323
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: 24.613 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Instrument :

MSVOA_N

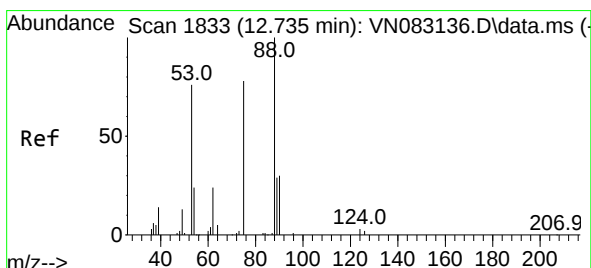
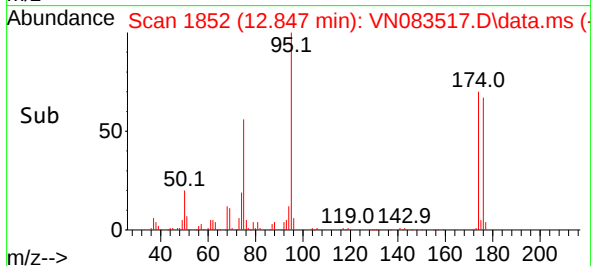
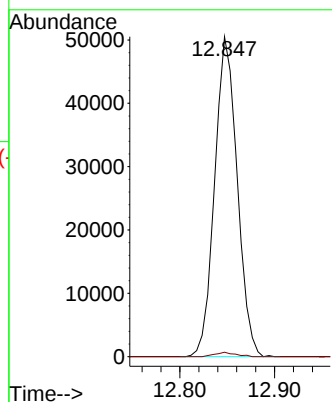
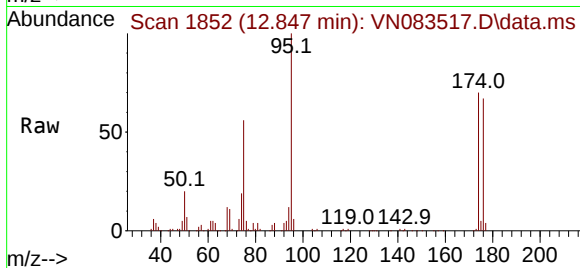
ClientSampleId :

Tgt Ion: 75 Resp: 83496

Ion Ratio Lower Upper

75 100

77 1.3 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.539 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083517.D

Acq: 27 Aug 2024 18:19

Tgt Ion: 75 Resp: 83496

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

