

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083239.D
 Acq On : 12 Aug 2024 15:48
 Operator : JC\MD
 Sample : PB162591TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

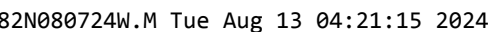
Quant Time: Aug 13 04:21:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

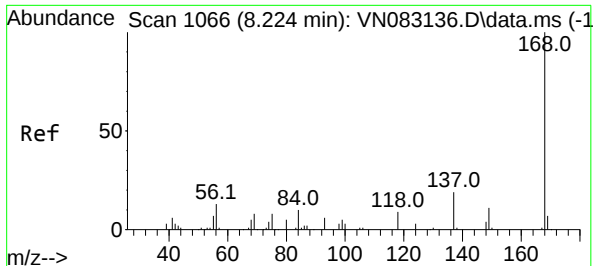
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	143468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115915	56.763	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.520%	
35) Dibromofluoromethane	8.171	113	90728	52.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.960%	
50) Toluene-d8	10.565	98	350129	54.296	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.600%	
62) 4-Bromofluorobenzene	12.847	95	147342	58.609	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 117.220%	
Target Compounds						
11) Tert butyl alcohol	5.524	59	1876	4.420	ug/l #	Qvalue 71
16) Acetone	4.430	43	41839	52.360	ug/l	90
18) Methyl Acetate	5.047	43	2820	1.184	ug/l #	78
20) Methylene Chloride	5.283	84	10197	5.545	ug/l #	77
25) 2-Butanone	7.488	43	11040	8.998	ug/l	92
29) Tetrahydrofuran	7.859	42	403	0.508	ug/l #	50
31) Cyclohexane	8.224	56	3541	1.170	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	12897	4.932	ug/l #	54
37) Ethyl Acetate	7.565	43	4186	1.430	ug/l #	80
38) Carbon Tetrachloride	8.224	117	16582	5.630	ug/l #	18
42) 1,2-Dichloroethane	8.700	62	930	0.328	ug/l #	78
43) Isopropyl Acetate	8.688	43	215941	42.032	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1546	0.836	ug/l #	44
48) Methyl methacrylate	9.671	41	4132	1.707	ug/l #	53
49) 1,4-Dioxane	9.735	88	69	1.580	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6212	2.244	ug/l	92
53) t-1,3-Dichloropropene	10.729	75	739	0.242	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	47801	14.721	ug/l #	57
56) Ethyl methacrylate	10.982	69	930	0.280	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5607	1.783	ug/l #	43
59) 2-Hexanone	11.200	43	83079	38.785	ug/l #	60
71) Bromoform	12.847	173	833	0.482	ug/l #	1
74) N-amyl acetate	12.464	43	2939	0.556	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	82107	28.934	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82107	62.938	ug/l #	6

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

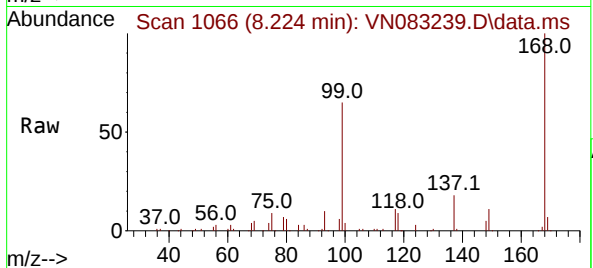
Quant Time: Aug 13 04:21:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



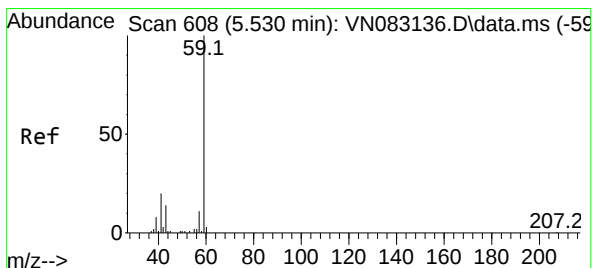
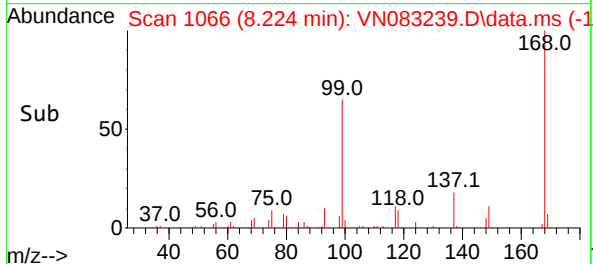
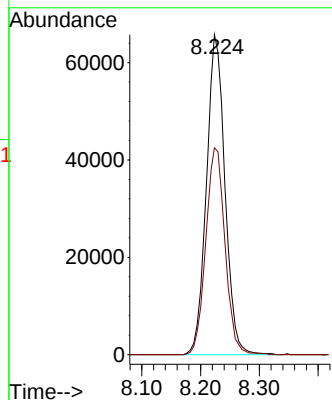


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :

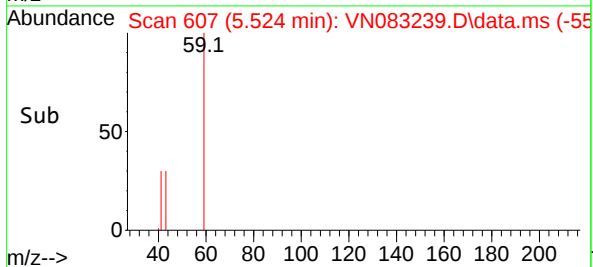
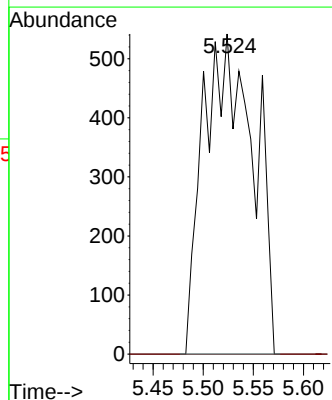
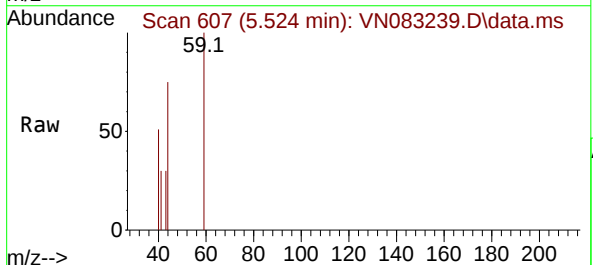


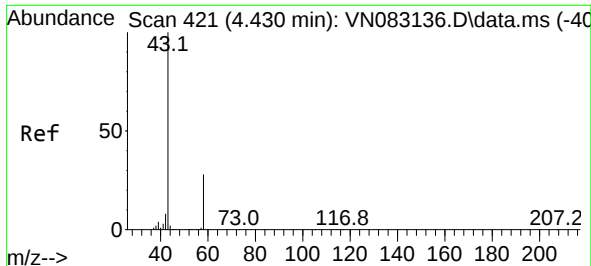
Tgt Ion:168 Resp: 143468
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.4



#11
Tert butyl alcohol
Concen: 4.420 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Tgt Ion: 59 Resp: 1876
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

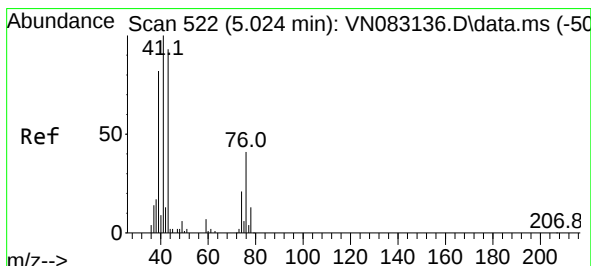
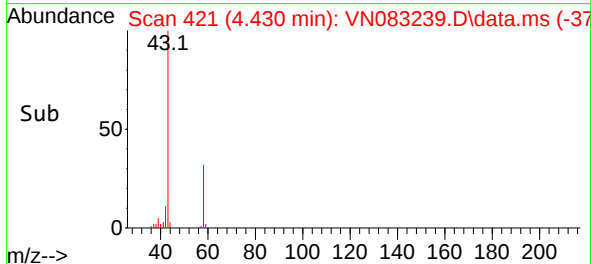
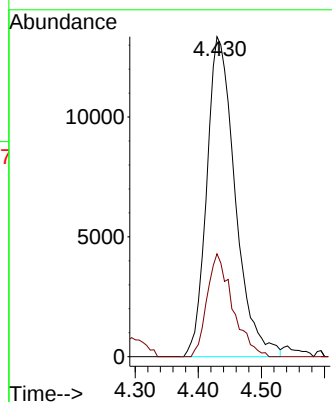
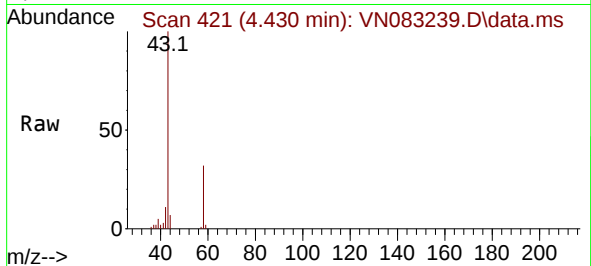




#16
Acetone
Concen: 52.360 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

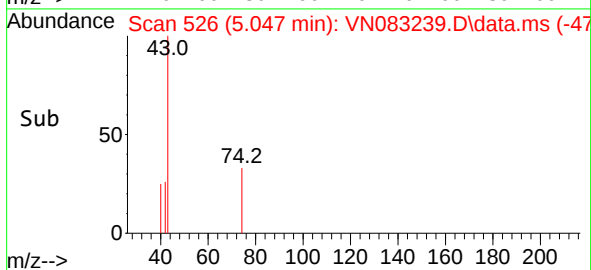
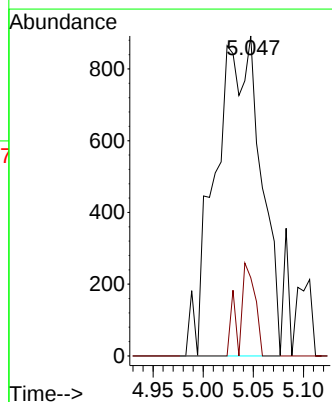
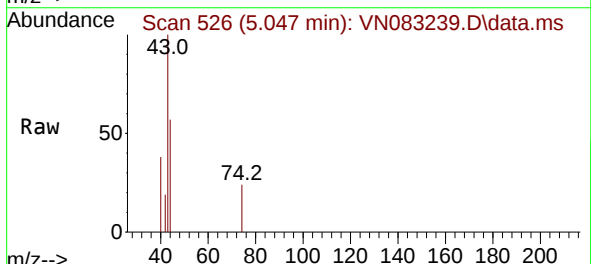
Instrument :
MSVOA_N
ClientSampleId :

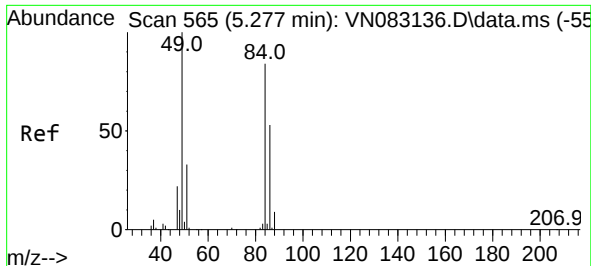
Tgt Ion: 43 Resp: 41839
Ion Ratio Lower Upper
43 100
58 32.2 21.8 32.6



#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.023 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

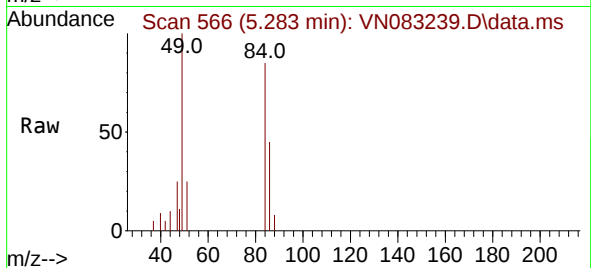
Tgt Ion: 43 Resp: 2820
Ion Ratio Lower Upper
43 100
74 10.1 16.3 24.5#



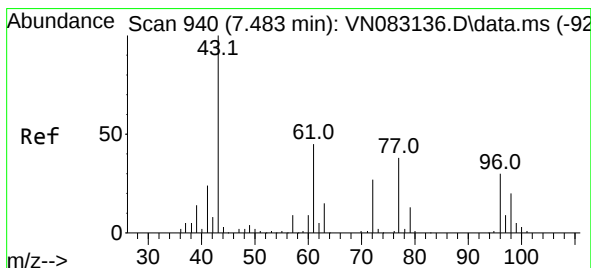
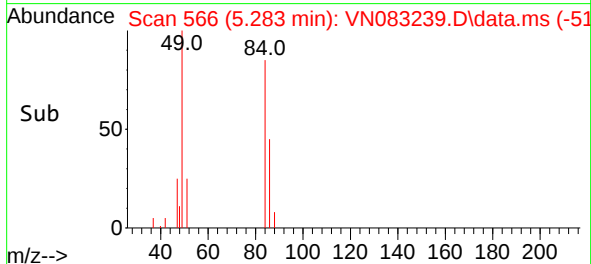
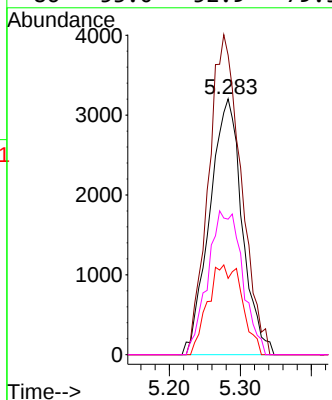


#20
Methylene Chloride
Concen: 5.545 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :

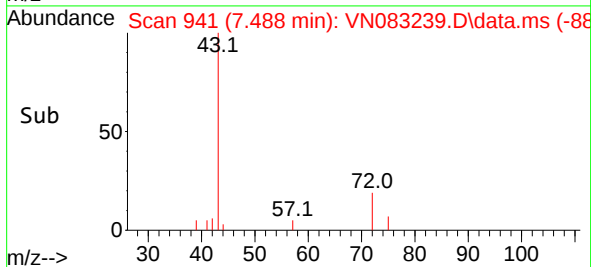
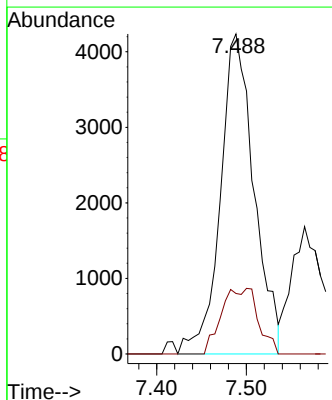
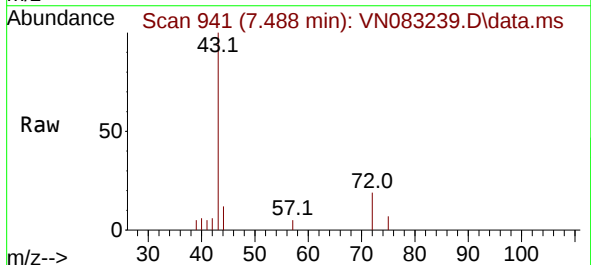


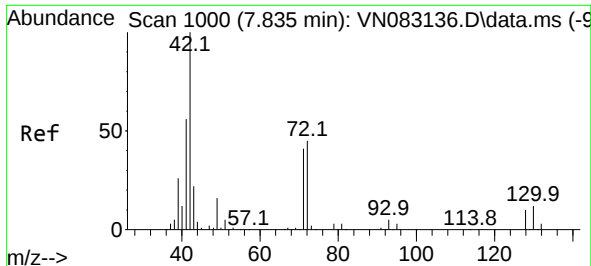
Tgt Ion: 84 Resp: 10197
Ion Ratio Lower Upper
84 100
49 117.0 119.6 179.4#
51 29.8 34.8 52.2#
86 53.0 52.9 79.3



#25
2-Butanone
Concen: 8.998 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Tgt Ion: 43 Resp: 11040
Ion Ratio Lower Upper
43 100
72 18.9 18.2 27.2





#29

Tetrahydrofuran

Concen: 0.508 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.023 min

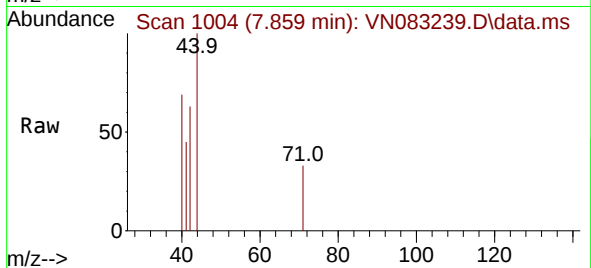
Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

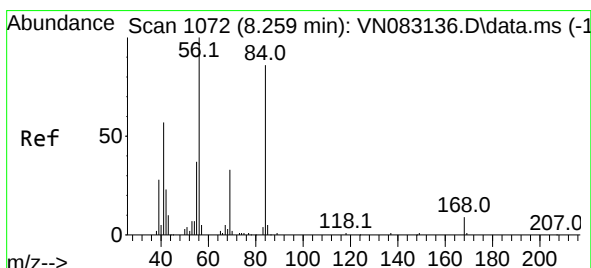
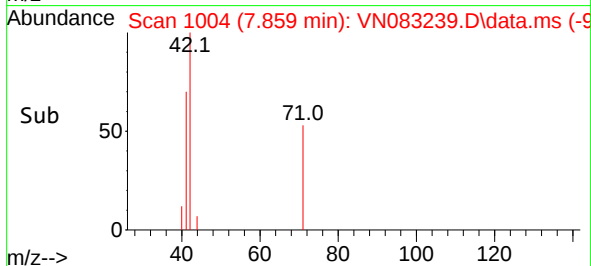
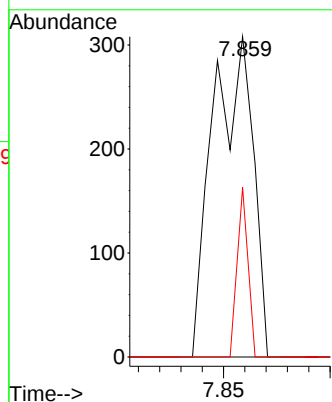
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	403
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	14.4	28.3	42.5#



#31

Cyclohexane

Concen: 1.170 ug/l

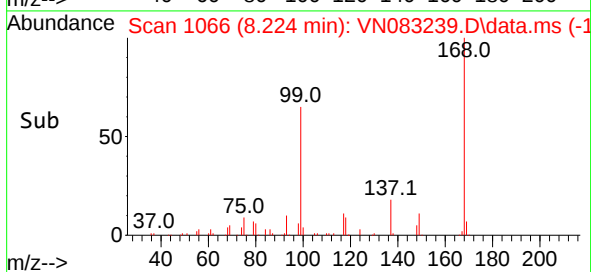
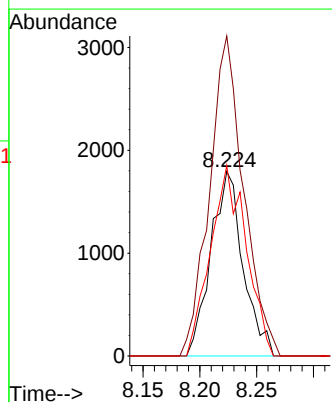
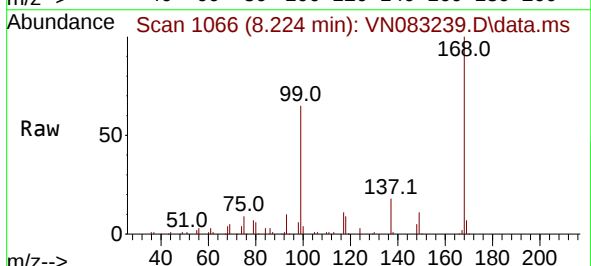
RT: 8.224 min Scan# 1066

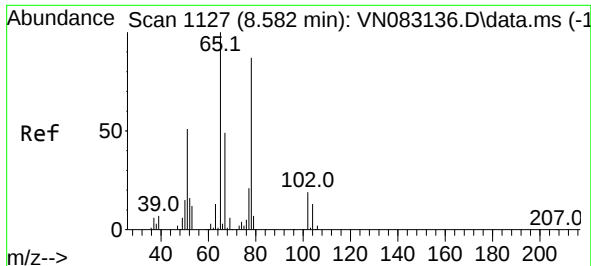
Delta R.T. -0.035 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Tgt Ion:	56	Resp:	3541
Ion	Ratio	Lower	Upper
56	100		
69	173.4	24.5	36.7#
84	103.2	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.763 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

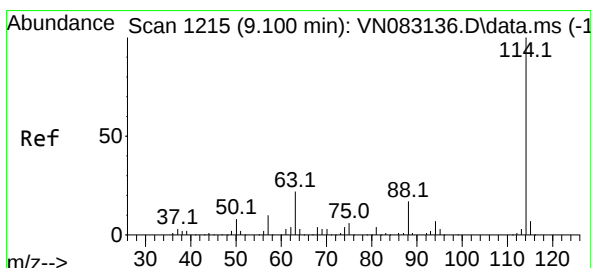
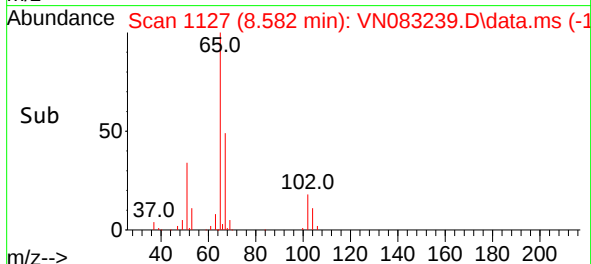
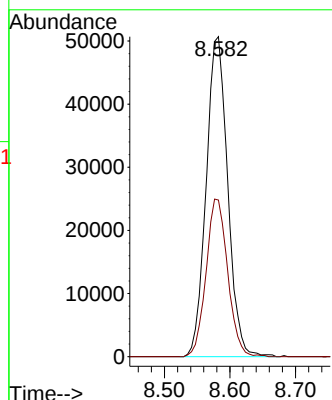
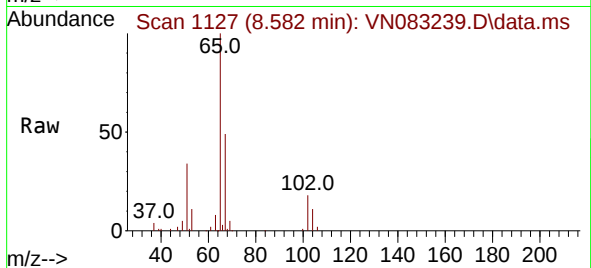
ClientSampleId :

Tgt Ion: 65 Resp: 115915

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# 1215

Delta R.T. -0.000 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

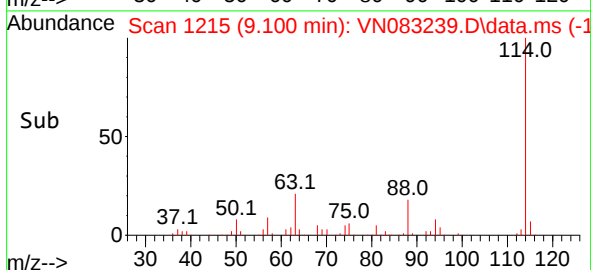
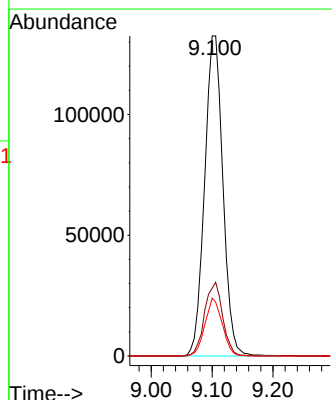
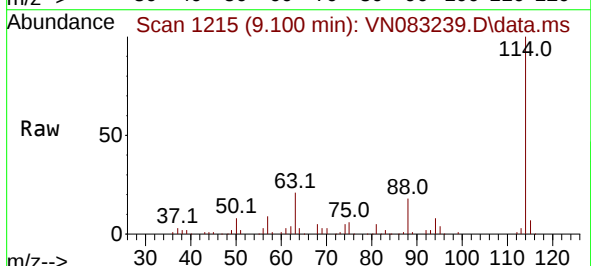
Tgt Ion: 114 Resp: 276956

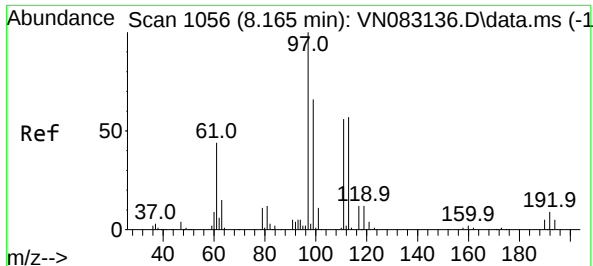
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.6

88 18.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.483 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

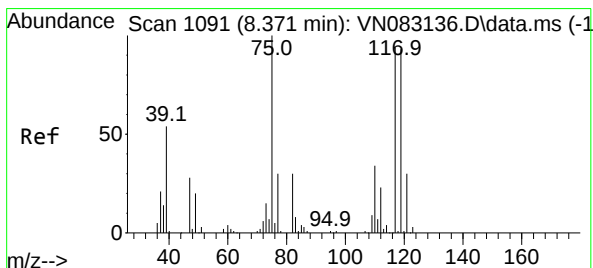
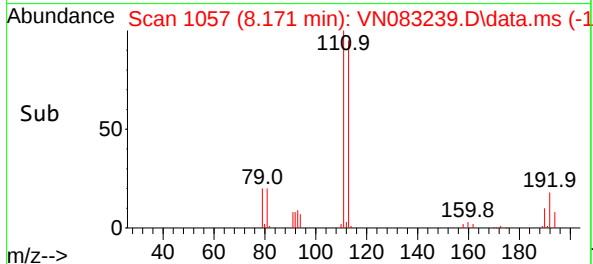
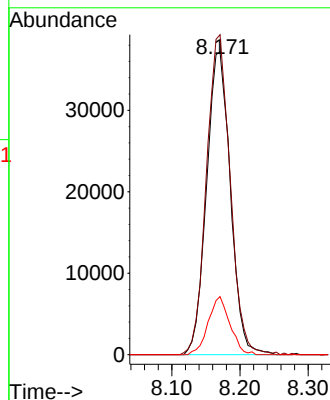
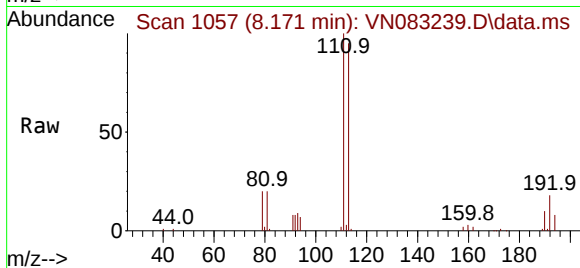
Tgt Ion:113 Resp: 90728

Ion Ratio Lower Upper

113 100

111 105.0 82.4 123.6

192 17.4 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.932 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

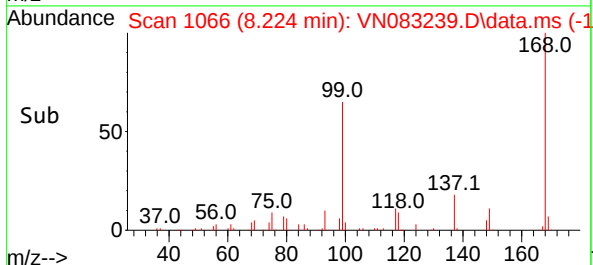
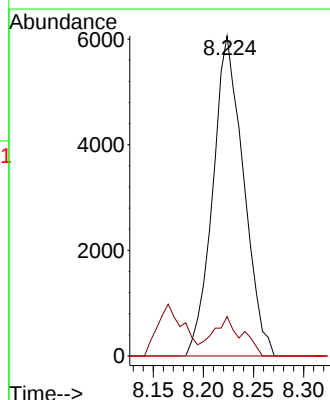
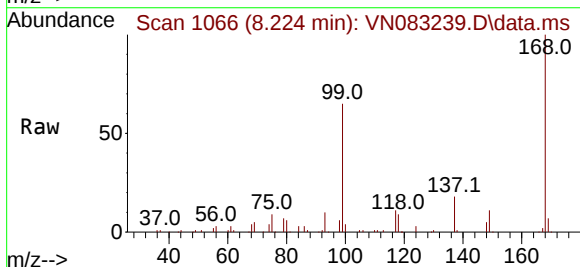
Tgt Ion: 75 Resp: 12897

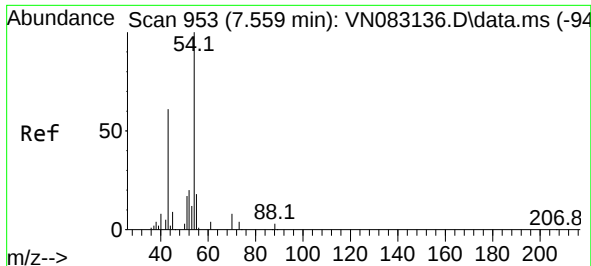
Ion Ratio Lower Upper

75 100

110 11.7 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.430 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

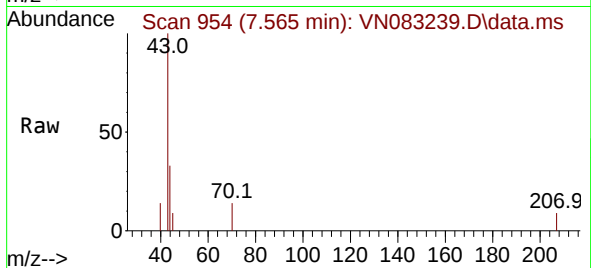
Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :



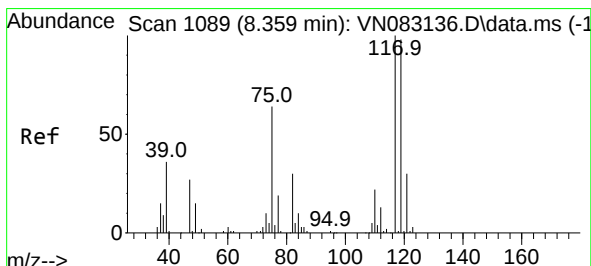
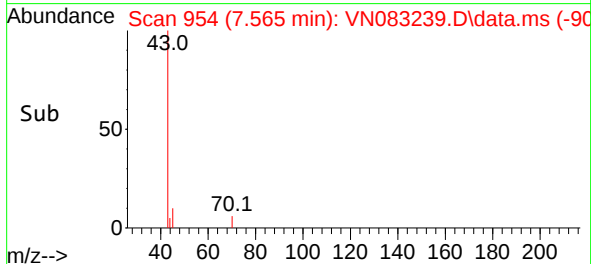
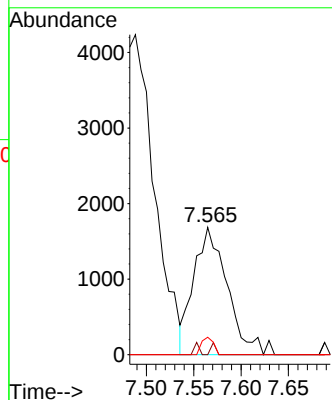
Tgt Ion: 43 Resp: 4186

Ion Ratio Lower Upper

43 100

61 1.3 9.3 13.9#

70 4.9 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

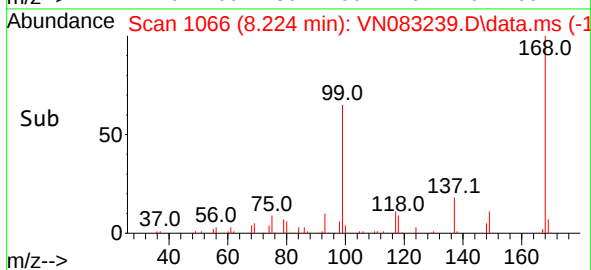
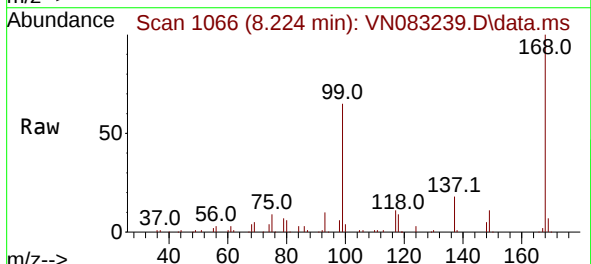
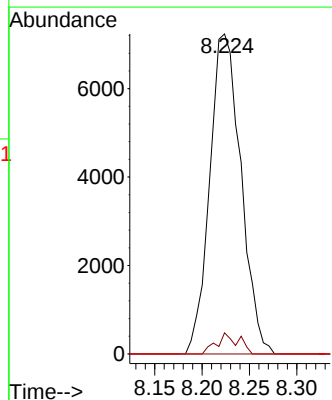
Tgt Ion: 117 Resp: 16582

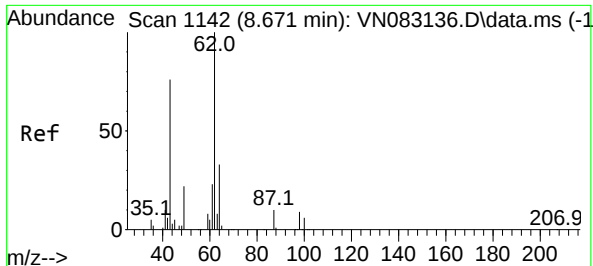
Ion Ratio Lower Upper

117 100

119 6.6 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.328 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.029 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

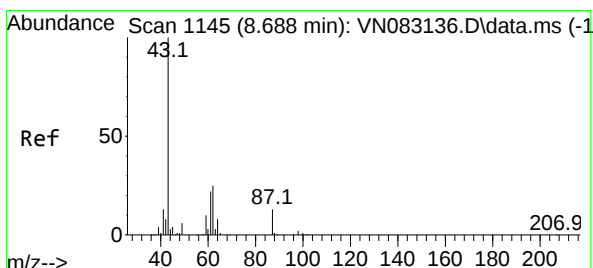
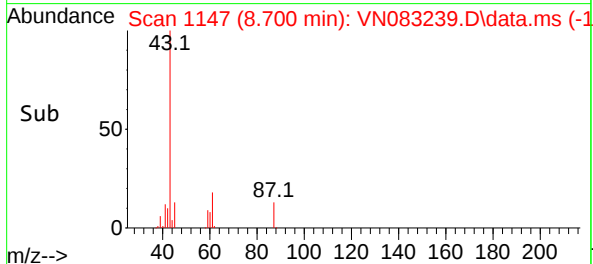
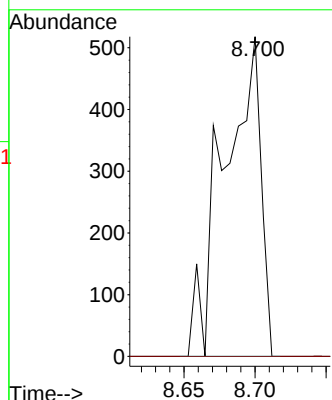
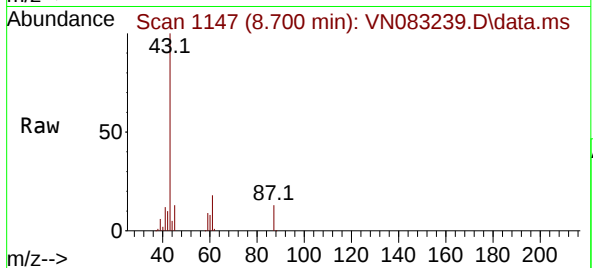
ClientSampleId :

Tgt Ion: 62 Resp: 930

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 42.032 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

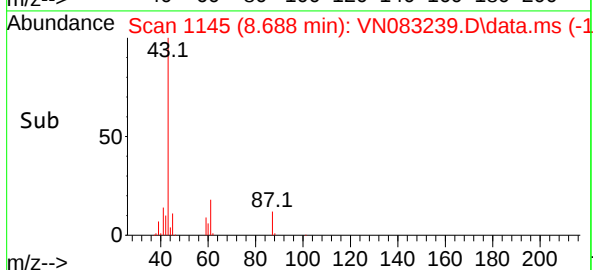
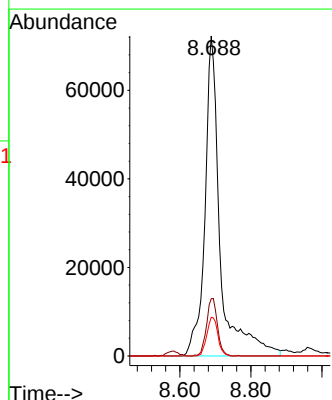
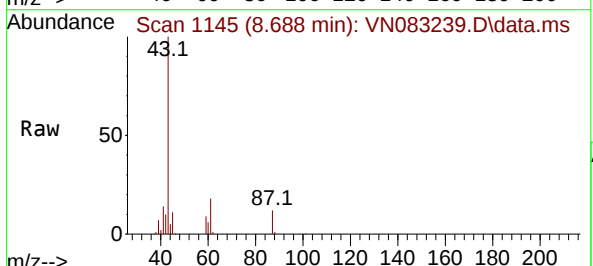
Tgt Ion: 43 Resp: 215941

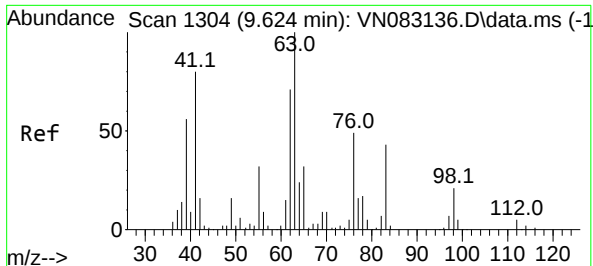
Ion Ratio Lower Upper

43 100

61 12.9 17.8 26.6#

87 8.7 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.836 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

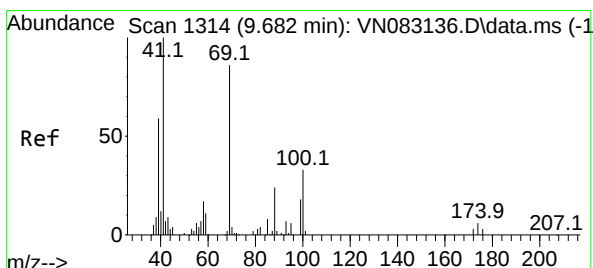
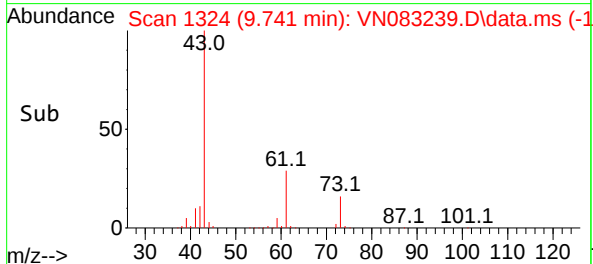
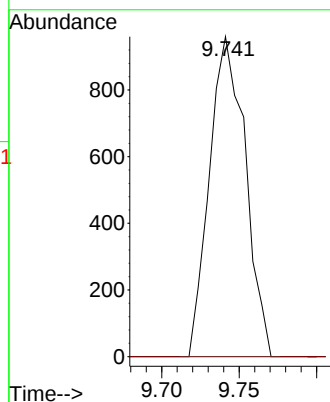
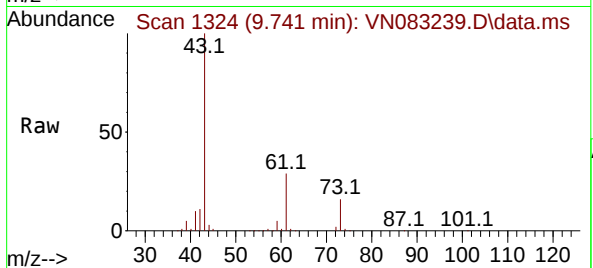
ClientSampleId :

Tgt Ion: 63 Resp: 1546

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.707 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

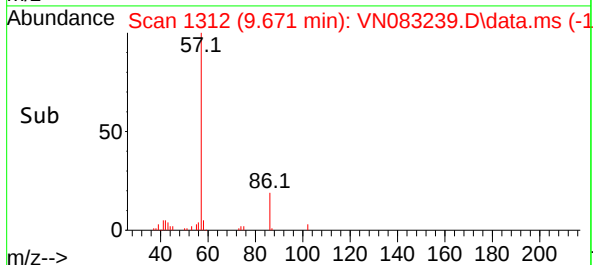
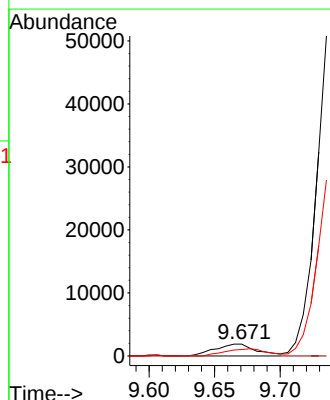
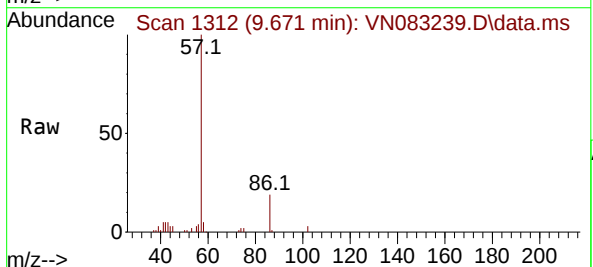
Tgt Ion: 41 Resp: 4132

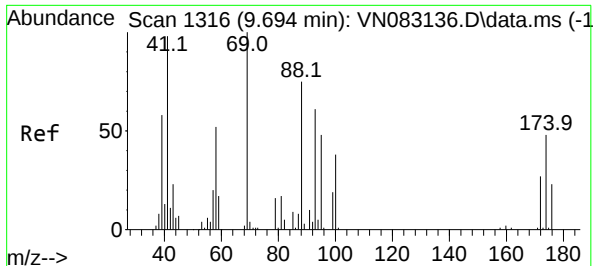
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

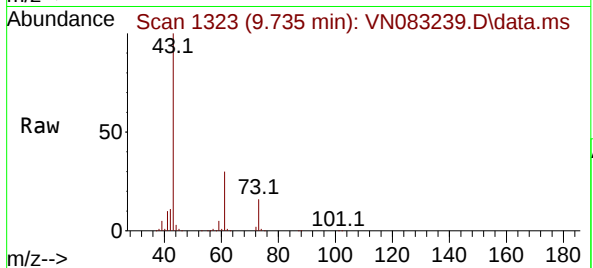
39 59.5 50.3 75.5



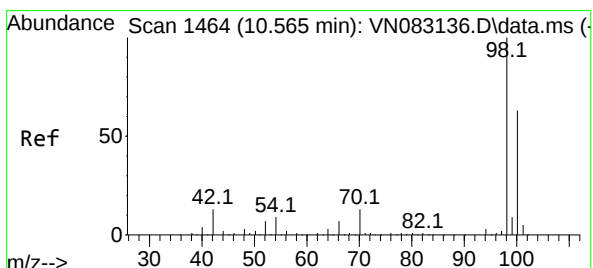
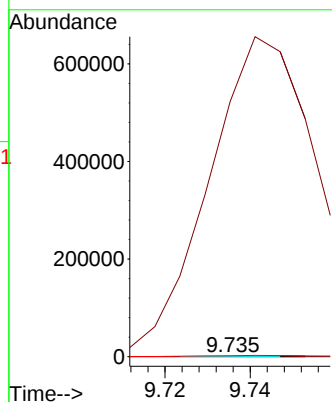
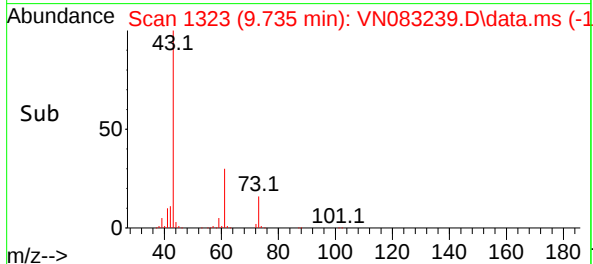


#49
1,4-Dioxane
Concen: 1.580 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :

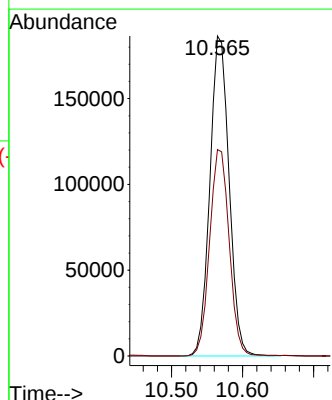
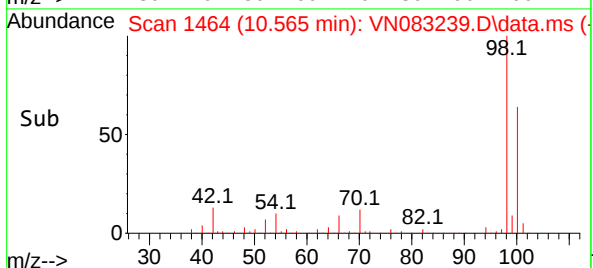
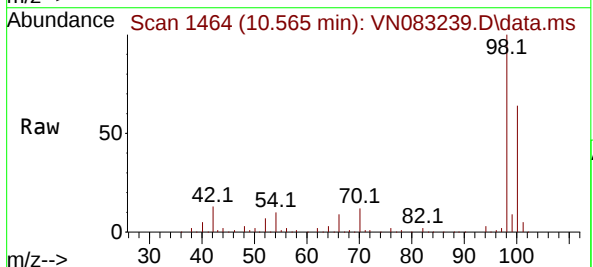


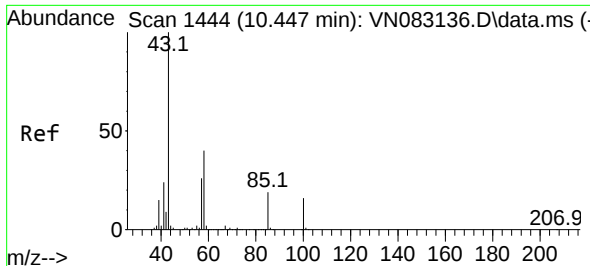
Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 1736756.5 27.8 41.8#
58 7221.7 59.4 89.0#



#50
Toluene-d8
Concen: 54.296 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Tgt Ion: 98 Resp: 350129
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3

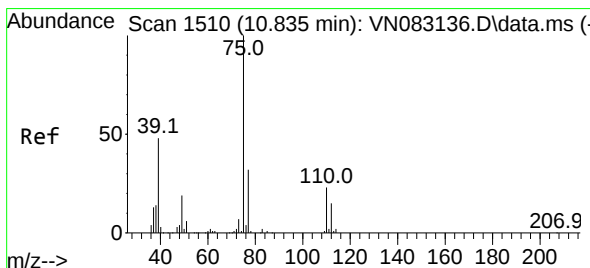
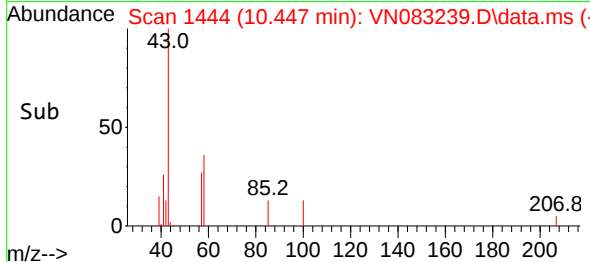
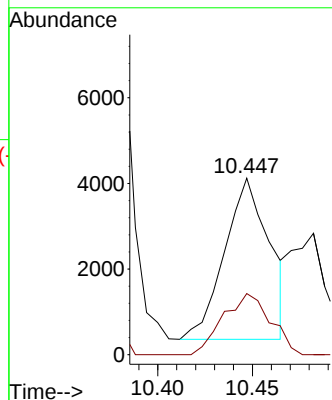
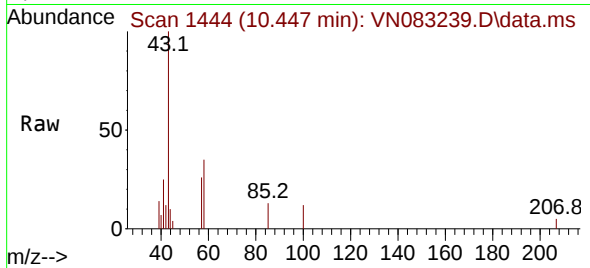




#51
4-Methyl-2-Pentanone
Concen: 2.244 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

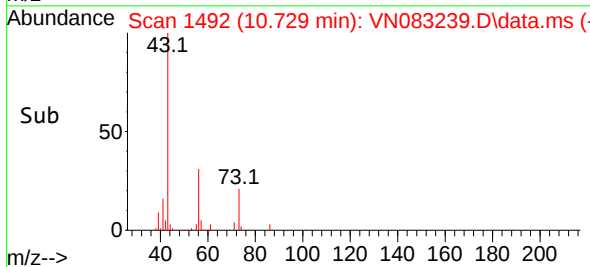
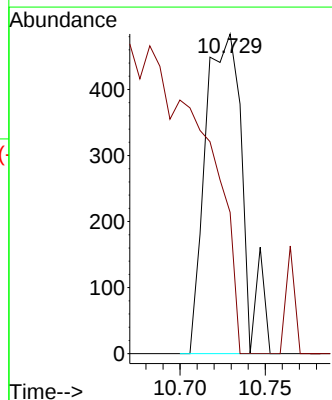
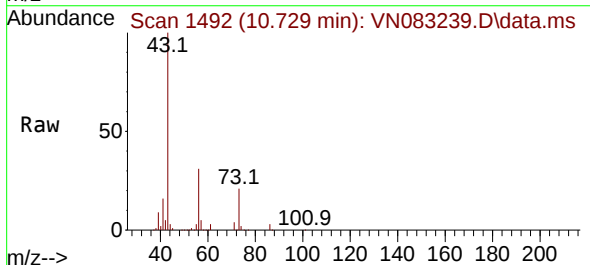
Instrument :
MSVOA_N
ClientSampleId :

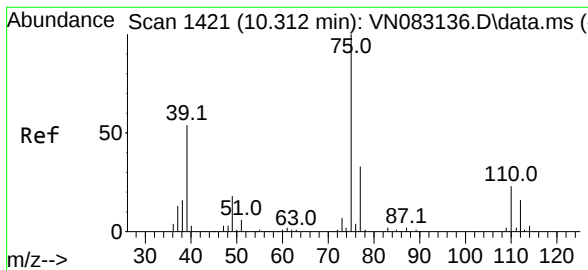
Tgt Ion: 43 Resp: 6212
Ion Ratio Lower Upper
43 100
58 40.1 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.242 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Tgt Ion: 75 Resp: 739
Ion Ratio Lower Upper
75 100
77 44.2 25.7 38.5#

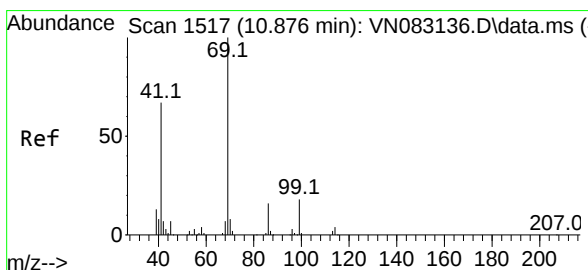
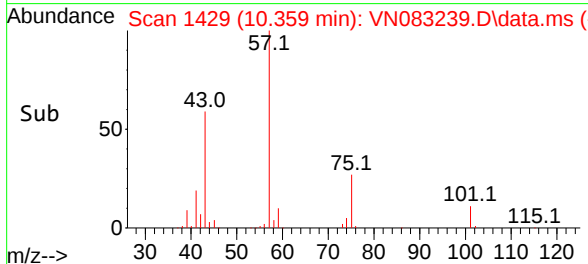
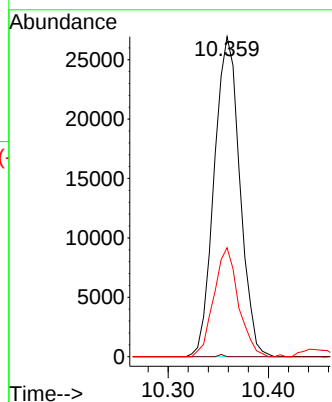
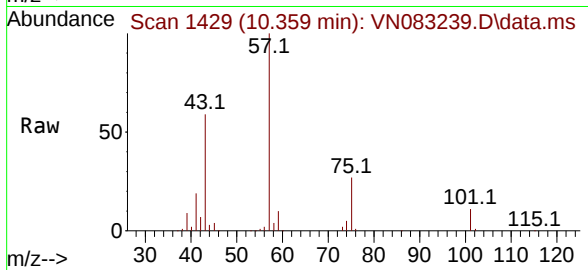




#54
 cis-1,3-Dichloropropene
 Concen: 14.721 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083239.D
 Acq: 12 Aug 2024 15:48

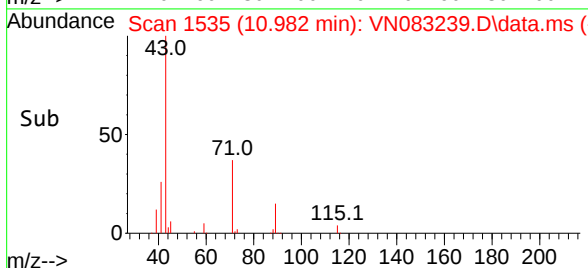
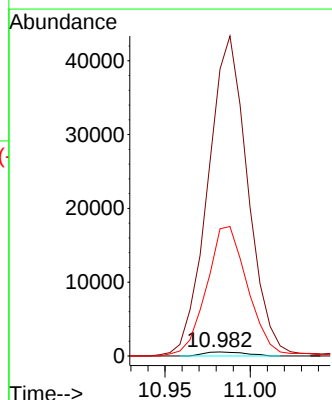
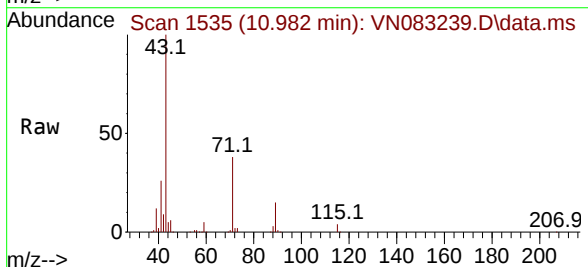
Instrument :
 MSVOA_N
 ClientSampleId :

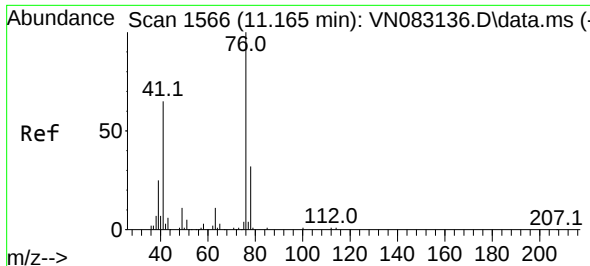
Tgt Ion: 75 Resp: 47801
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 34.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.280 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN083239.D
 Acq: 12 Aug 2024 15:48

Tgt Ion: 69 Resp: 930
 Ion Ratio Lower Upper
 69 100
 41 7641.5 63.4 95.2#
 39 3199.4 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.783 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

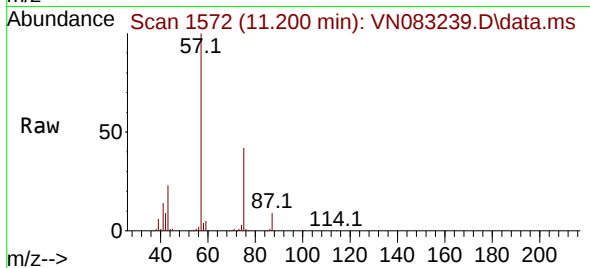
Lab File: VN083239.D

Acq: 12 Aug 2024 15:48

Instrument :

MSVOA_N

ClientSampleId :

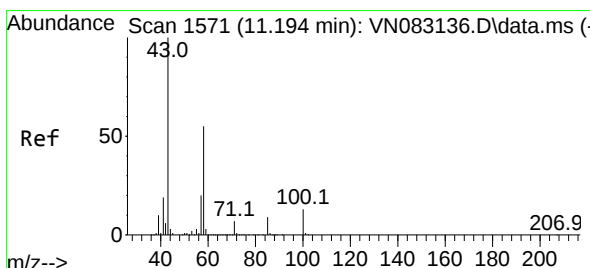
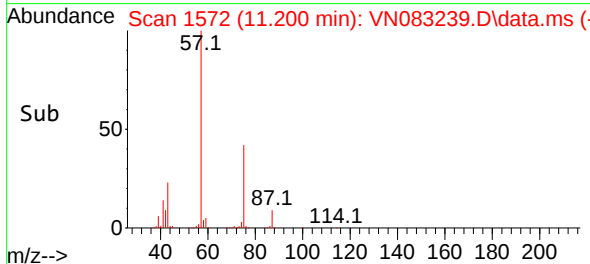
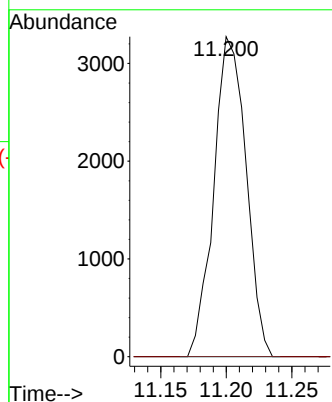


Tgt Ion: 76 Resp: 5607

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 38.785 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083239.D

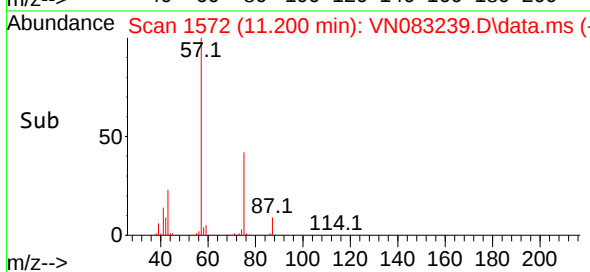
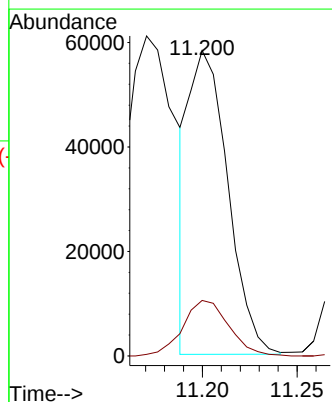
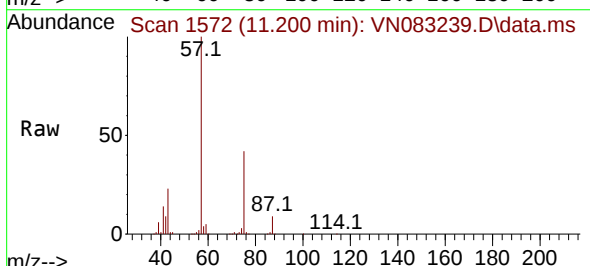
Acq: 12 Aug 2024 15:48

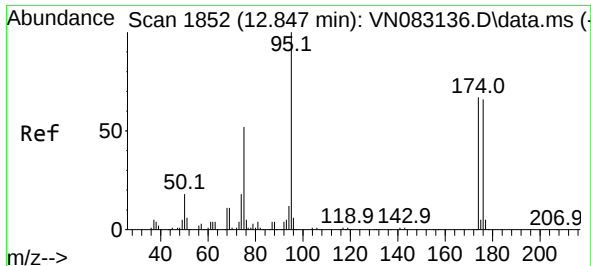
Tgt Ion: 43 Resp: 83079

Ion Ratio Lower Upper

43 100

58 21.7 24.6 73.8#

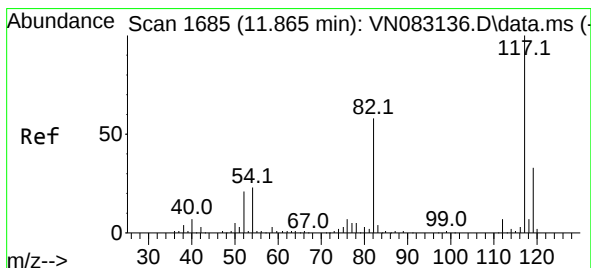
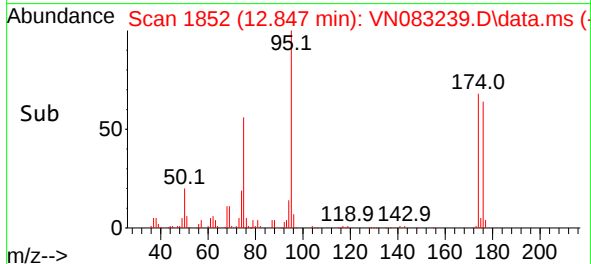
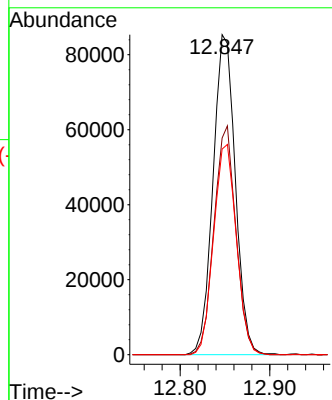
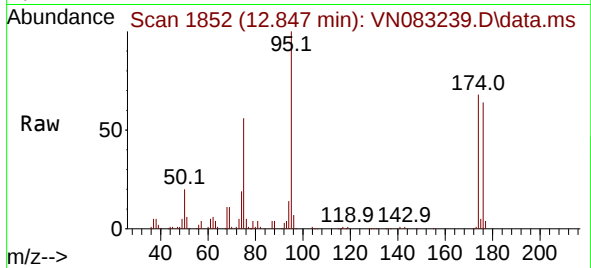




#62
4-Bromofluorobenzene
Concen: 58.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

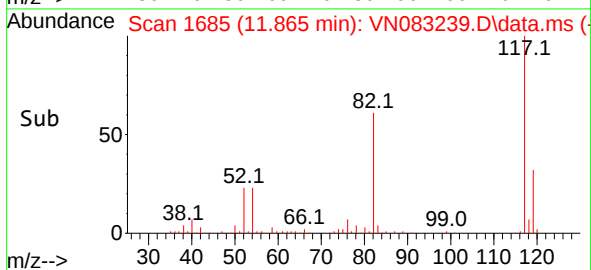
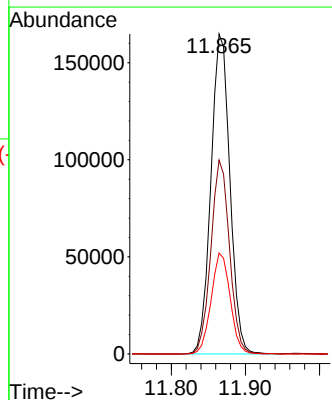
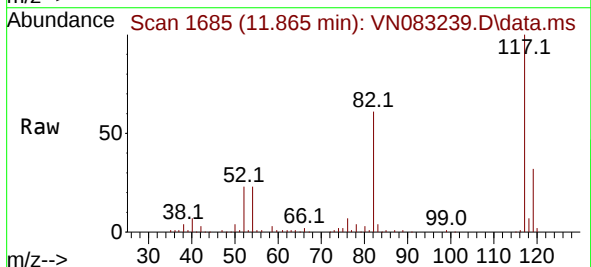
Instrument :
MSVOA_N
ClientSampleId :

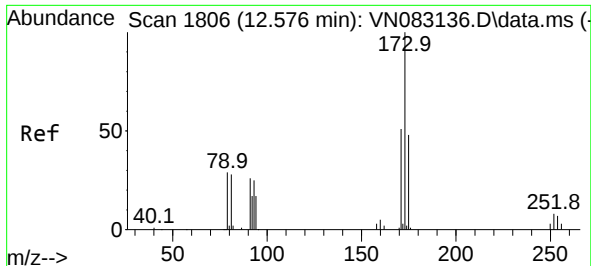
Tgt Ion: 95 Resp: 147342
Ion Ratio Lower Upper
95 100
174 70.2 0.0 159.2
176 67.1 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

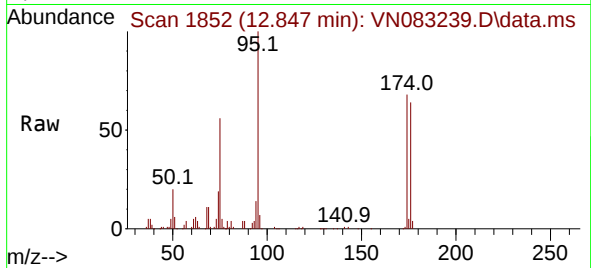
Tgt Ion: 117 Resp: 292994
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 31.5 25.6 38.4



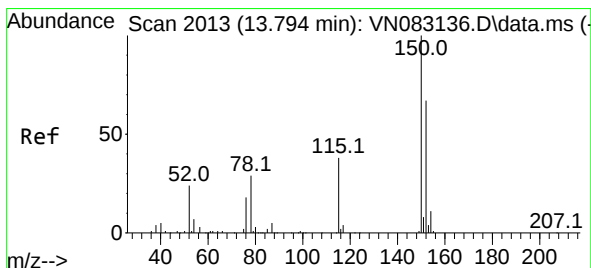
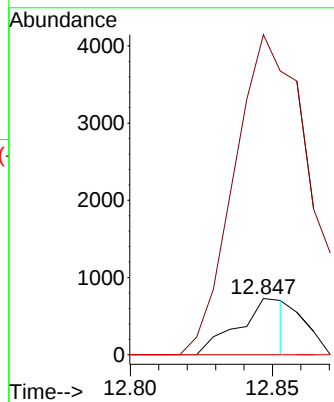
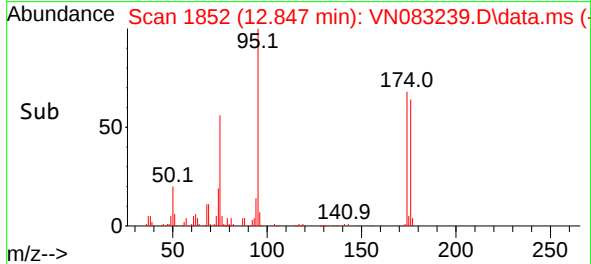


#71
Bromoform
Concen: 0.482 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

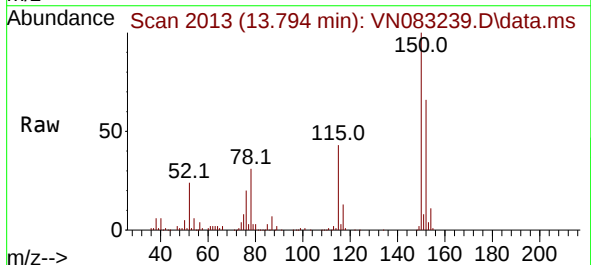
Instrument :
MSVOA_N
ClientSampleId :



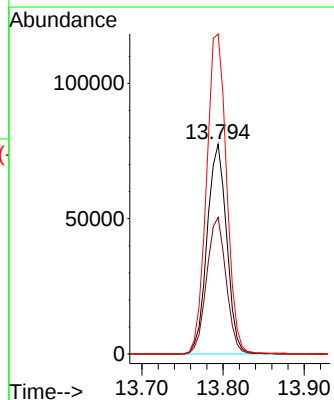
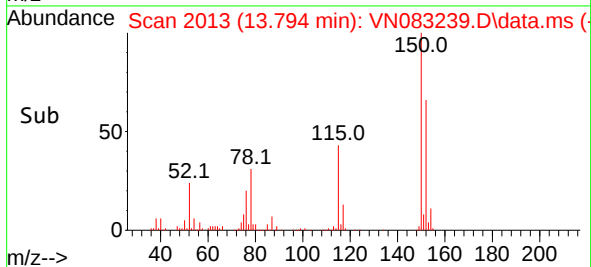
Tgt Ion:173 Resp: 833
Ion Ratio Lower Upper
173 100
175 604.9 24.0 72.0#
254 0.0 0.0 0.0

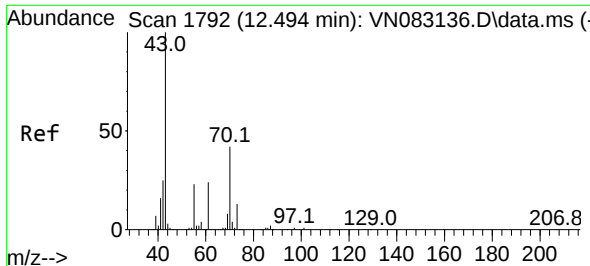


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48



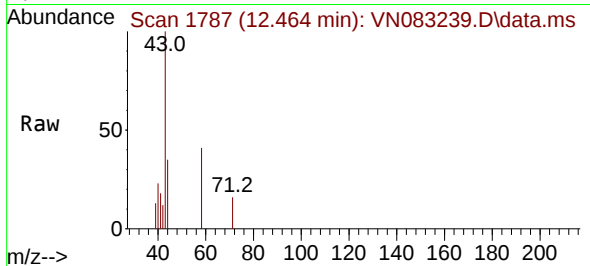
Tgt Ion:152 Resp: 129297
Ion Ratio Lower Upper
152 100
115 65.1 30.6 91.6
150 156.8 0.0 348.6



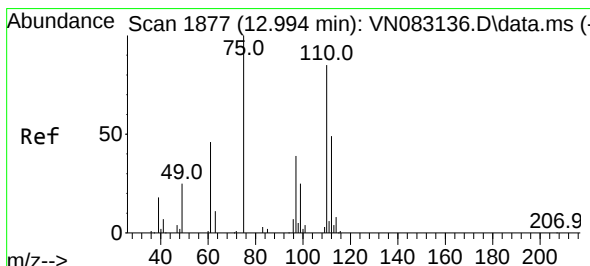
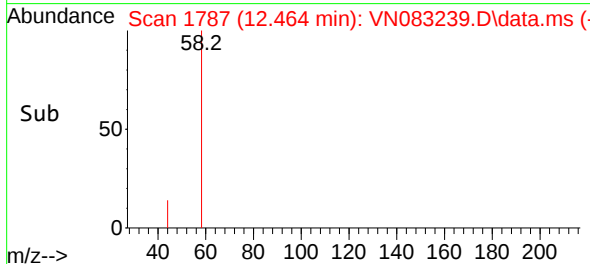
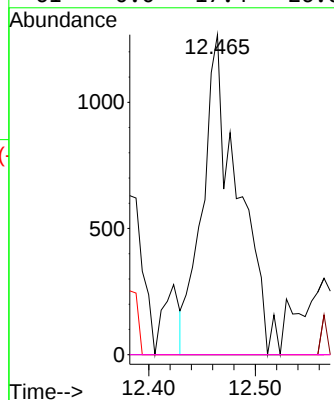


#74
N-amy1 acetate
Concen: 0.556 ug/l
RT: 12.464 min Scan# 1
Delta R.T. -0.030 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

Instrument :
MSVOA_N
ClientSampleId :

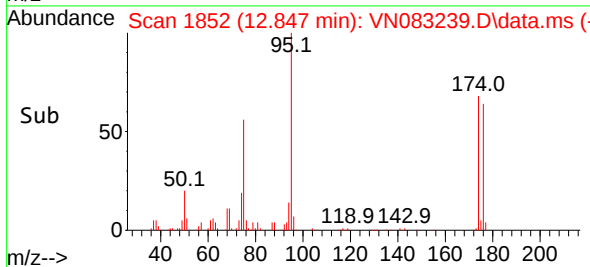
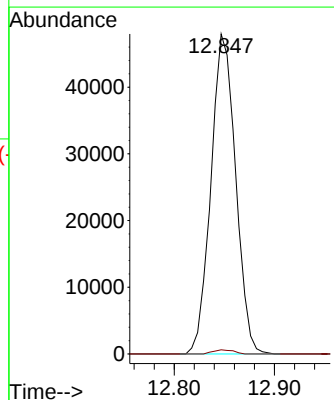
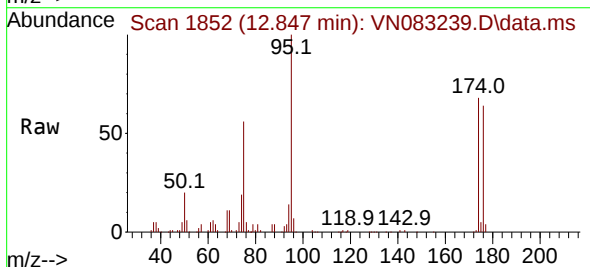


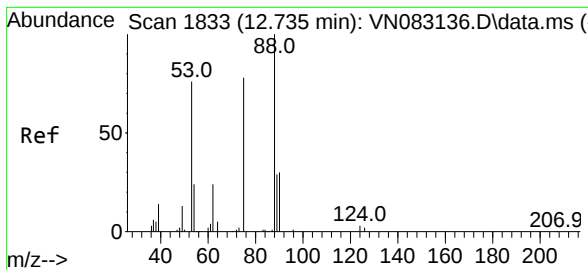
Tgt Ion: 43	Resp: 2939
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 28.934 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083239.D
Acq: 12 Aug 2024 15:48

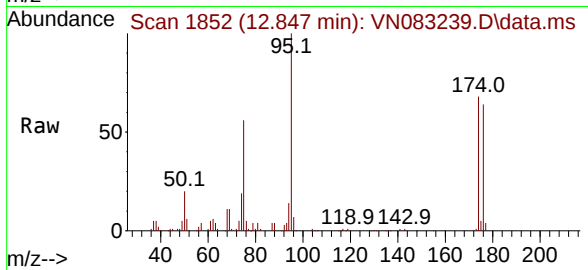
Tgt Ion: 75	Resp: 82107
Ion Ratio	Lower Upper
75	100
77	1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.938 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083239.D
 Acq: 12 Aug 2024 15:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 82107
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

