

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
 Data File : VN083360.D
 Acq On : 16 Aug 2024 17:40
 Operator : JC\MD
 Sample : PB162767ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 01:52:31 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

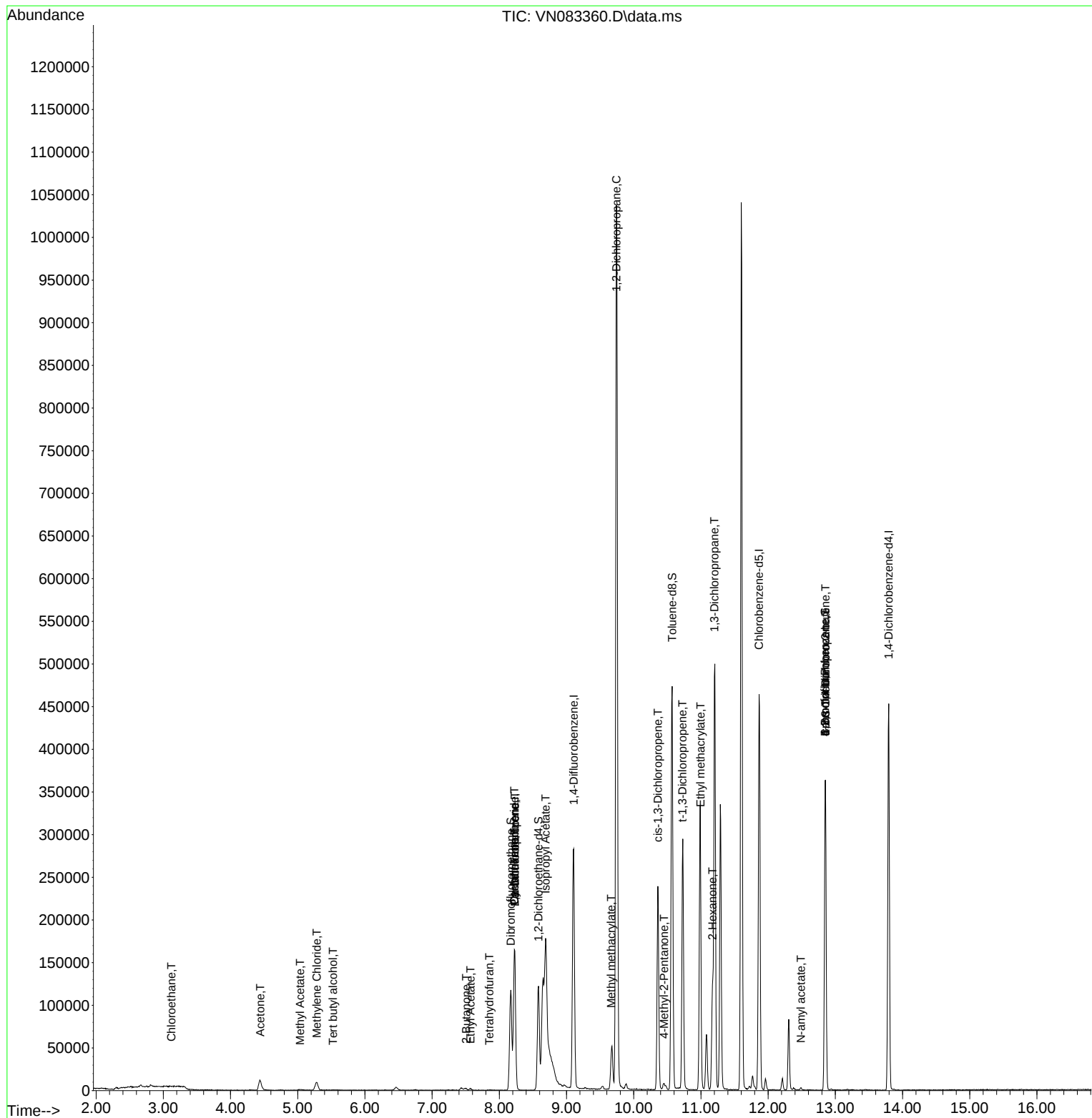
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	115407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237811	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	103993	63.307	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.620%#	
35) Dibromofluoromethane	8.171	113	83949	56.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.120%	
50) Toluene-d8	10.571	98	318051	57.441	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.880%#	
62) 4-Bromofluorobenzene	12.847	95	134213	62.174	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 124.340%#	
Target Compounds						Qvalue
6) Chloroethane	3.118	64	420	0.491	ug/l #	41
11) Tert butyl alcohol	5.524	59	292	0.855	ug/l #	71
16) Acetone	4.442	43	23780	36.996	ug/l	98
18) Methyl Acetate	5.036	43	2202	1.150	ug/l #	56
20) Methylene Chloride	5.283	84	7285	4.925	ug/l #	75
25) 2-Butanone	7.506	43	4753	4.816	ug/l	91
29) Tetrahydrofuran	7.853	42	172	0.270	ug/l #	38
31) Cyclohexane	8.224	56	3019	1.240	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	10527	4.688	ug/l #	50
37) Ethyl Acetate	7.571	43	2954	1.175	ug/l #	83
38) Carbon Tetrachloride	8.224	117	13666	5.404	ug/l #	17
43) Isopropyl Acetate	8.689	43	404082	97.467	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1157	0.729	ug/l #	44
48) Methyl methacrylate	9.665	41	3538	1.702	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	8556	3.599	ug/l #	82
53) t-1,3-Dichloropropene	10.724	75	854	0.326	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	42005	15.066	ug/l #	56
56) Ethyl methacrylate	10.994	69	1141	0.400	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5248	1.944	ug/l #	43
59) 2-Hexanone	11.171	43	101432	55.147	ug/l #	28
71) Bromoform	12.847	173	339	0.222	ug/l #	29
74) N-amyl acetate	12.488	43	2250	0.473	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	73368	28.773	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73368	62.589	ug/l #	6

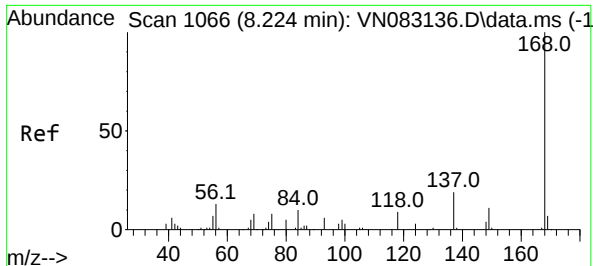
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081624\
Data File : VN083360.D
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Sample : PB162767ZHE#04
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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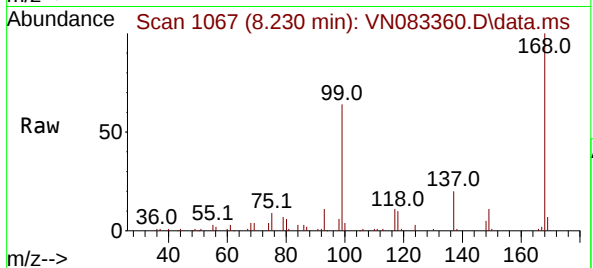
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QLast Update : Thu Aug 08 06:30:41 2024
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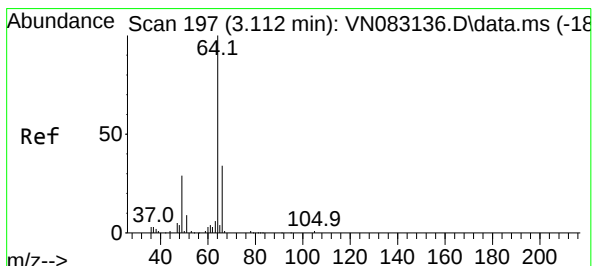
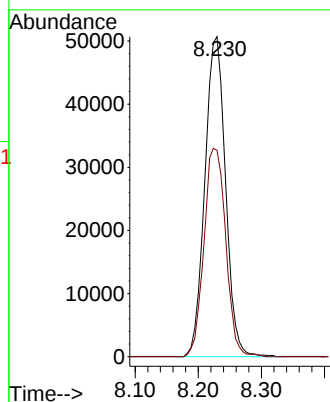
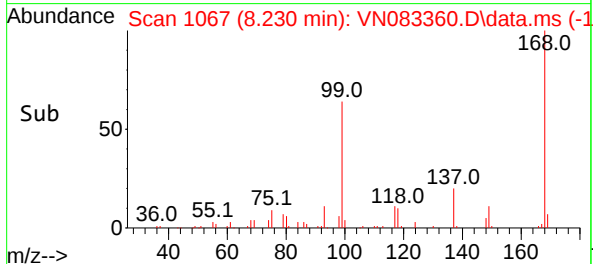


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :

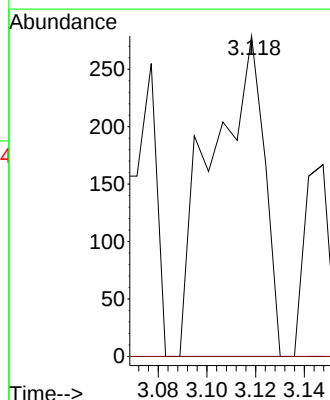
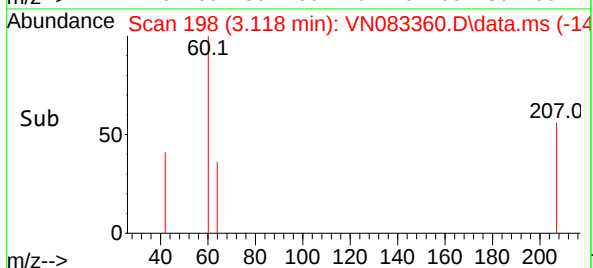
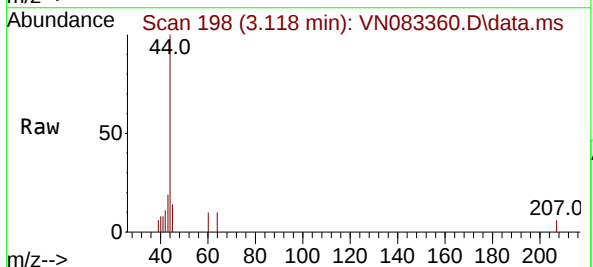


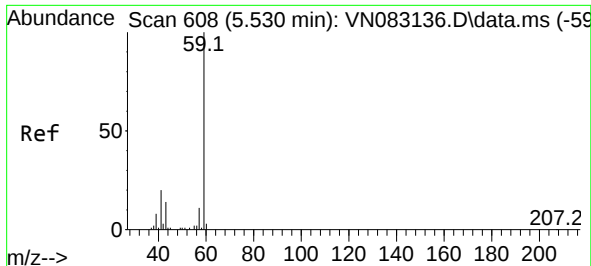
Tgt Ion:168 Resp: 115407
Ion Ratio Lower Upper
168 100
99 64.5 48.2 72.4



#6
Chloroethane
Concen: 0.491 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#

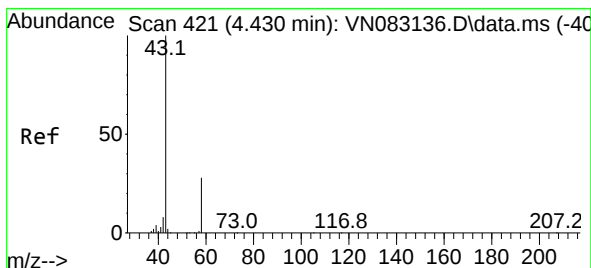
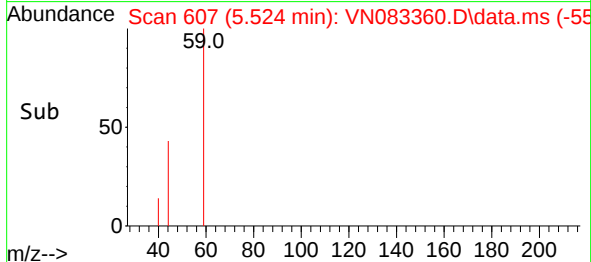
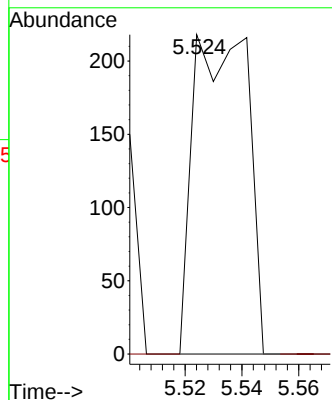
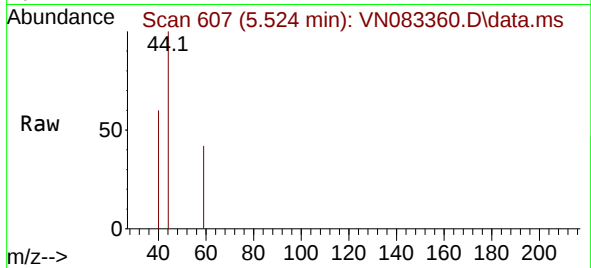




#11
Tert butyl alcohol
Concen: 0.855 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

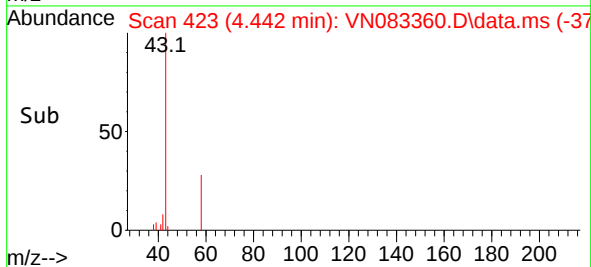
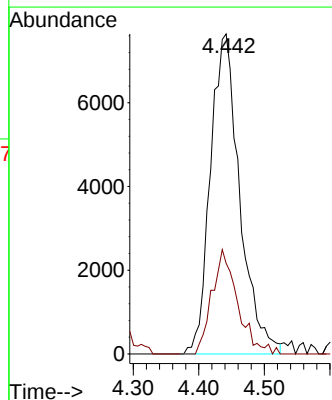
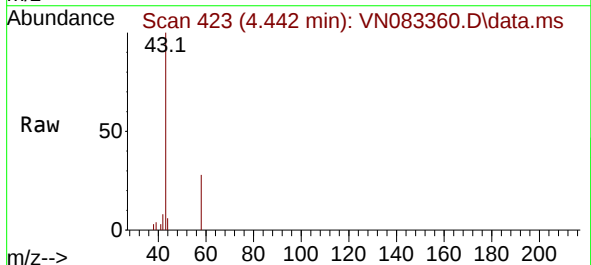
Instrument :
MSVOA_N
ClientSampleId :

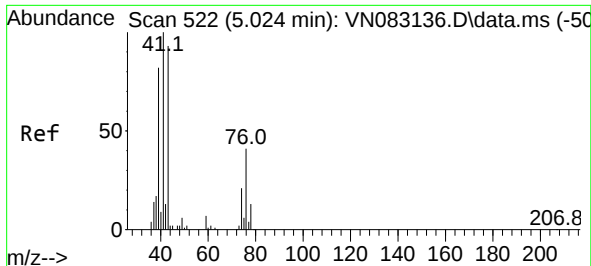
Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 36.996 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

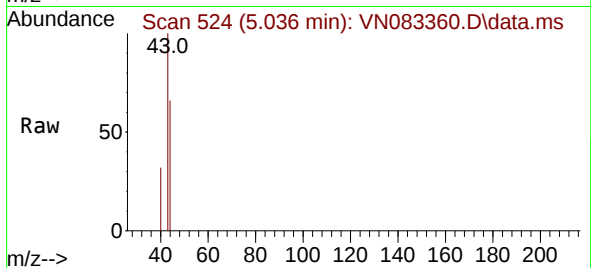
Tgt Ion: 43 Resp: 23780
Ion Ratio Lower Upper
43 100
58 28.4 21.8 32.6



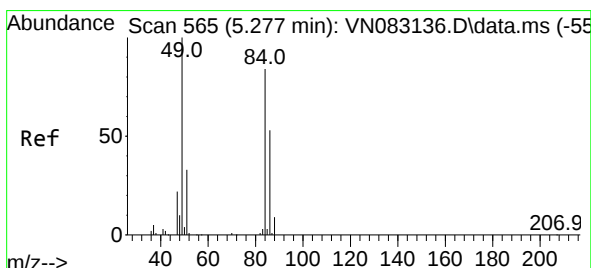
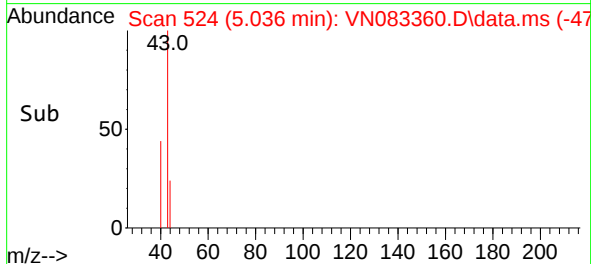
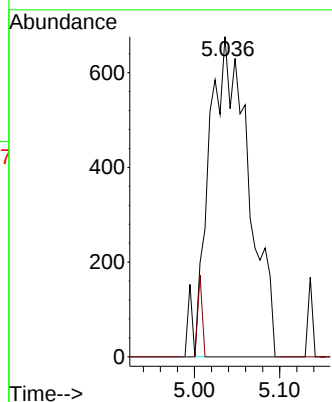


#18
Methyl Acetate
Concen: 1.150 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :

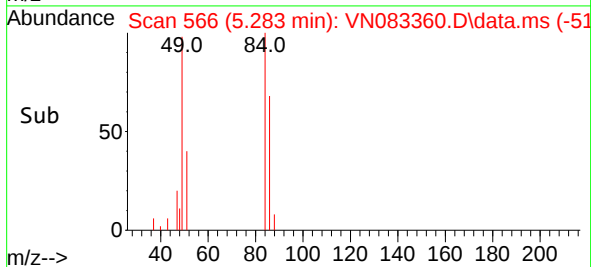
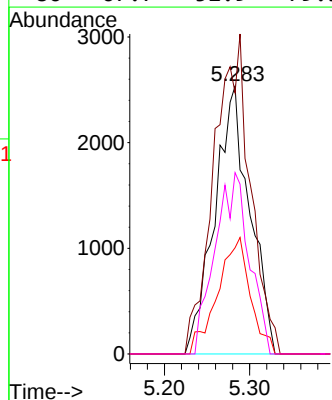
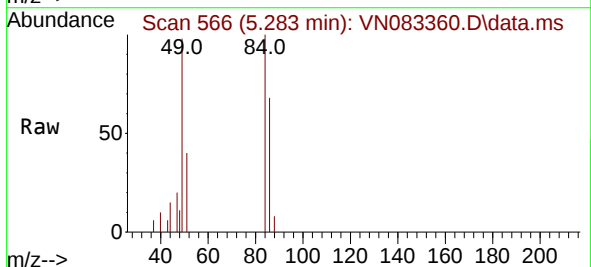


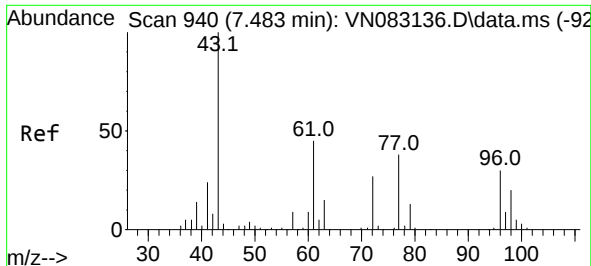
Tgt Ion: 43 Resp: 2202
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 4.925 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 84 Resp: 7285
Ion Ratio Lower Upper
84 100
49 97.5 119.6 179.4#
51 39.7 34.8 52.2
86 67.7 52.9 79.3

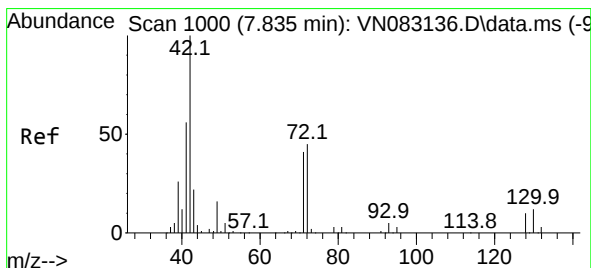
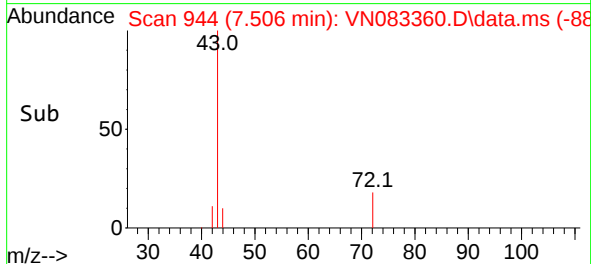
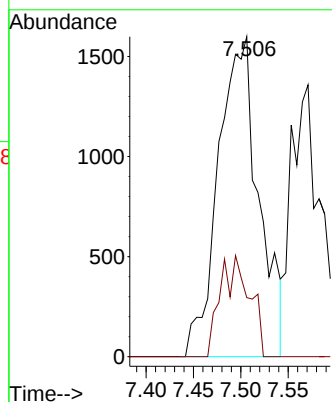
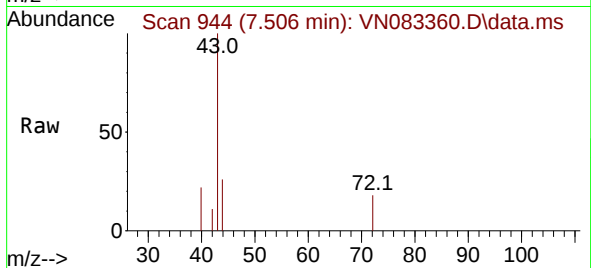




#25
2-Butanone
Concen: 4.816 ug/l
RT: 7.506 min Scan# 940
Delta R.T. 0.024 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

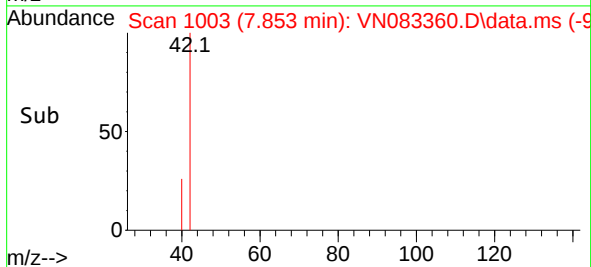
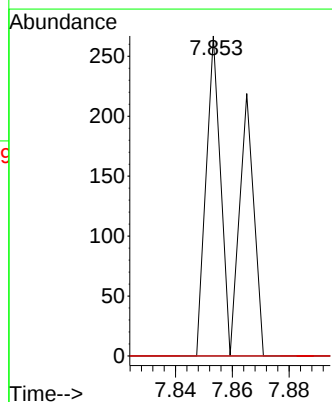
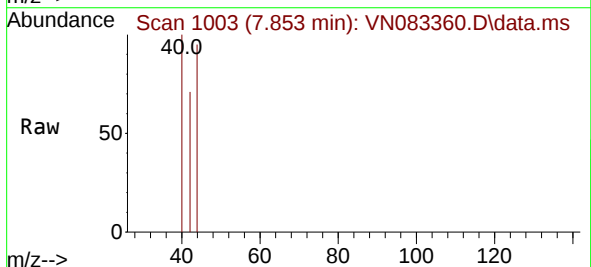
Instrument :
MSVOA_N
ClientSampleId :

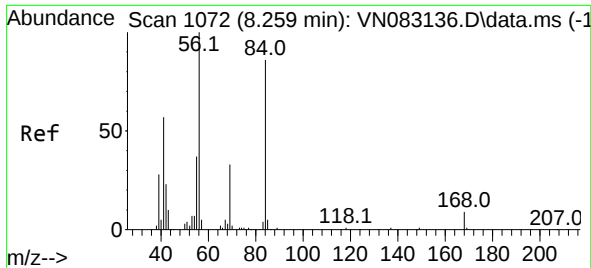
Tgt Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
72 18.4 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.270 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

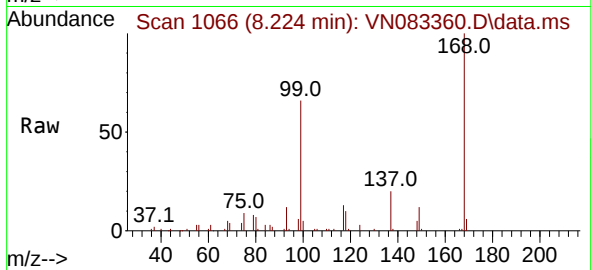
Tgt Ion: 42 Resp: 172
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



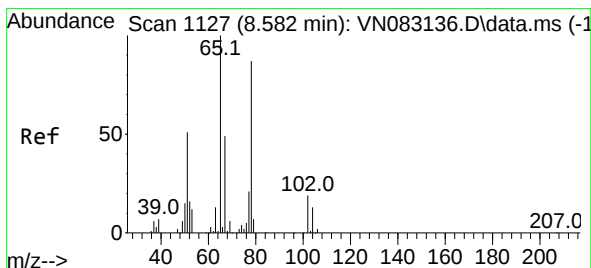
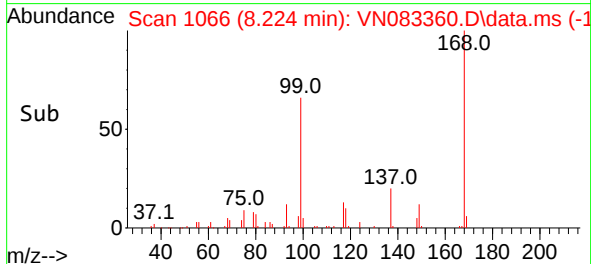
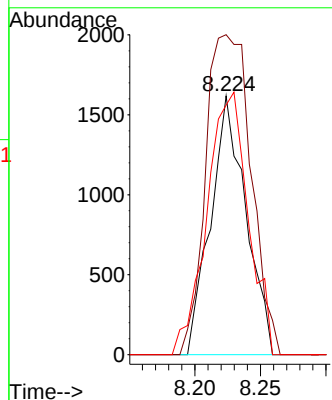


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Instrument :
MSVOA_N
ClientSampleId :

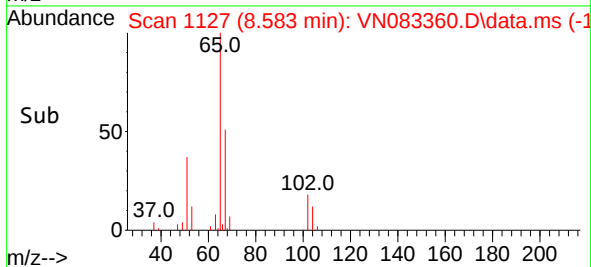
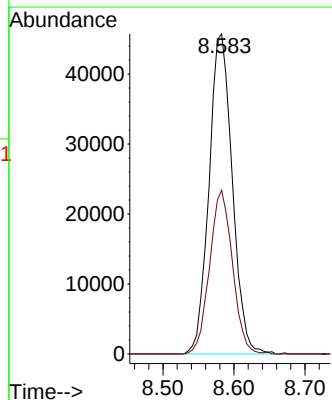
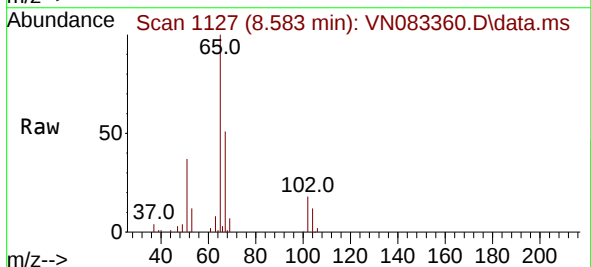


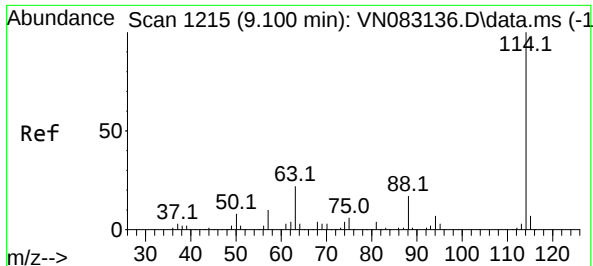
Tgt Ion: 56 Resp: 3019
Ion Ratio Lower Upper
56 100
69 123.7 24.5 36.7#
84 96.5 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 63.307 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 65 Resp: 103993
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :

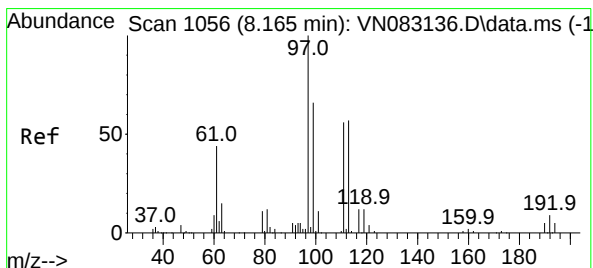
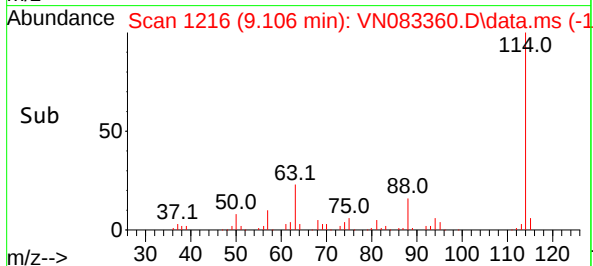
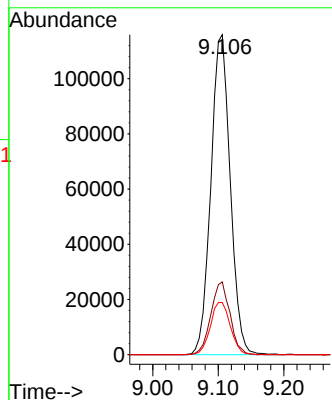
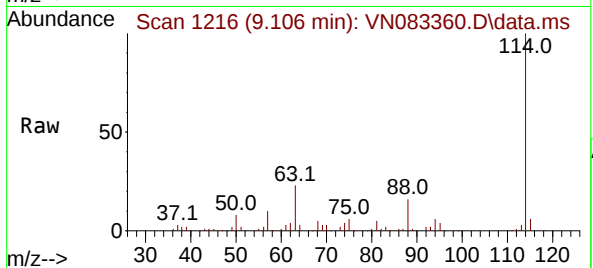
Tgt Ion:114 Resp: 237811

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 16.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 56.555 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

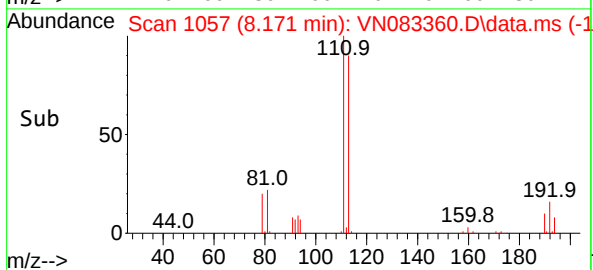
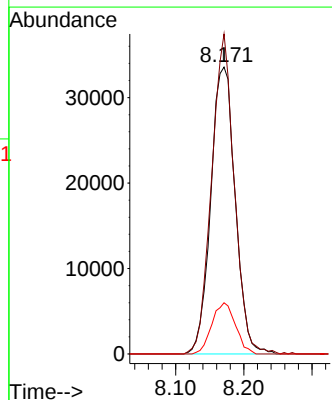
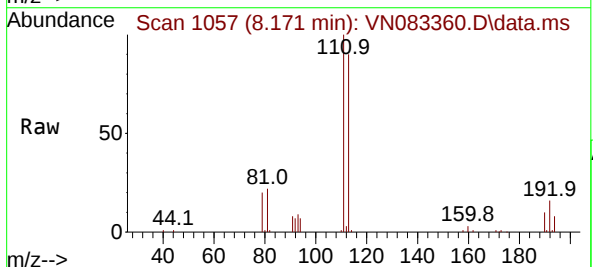
Tgt Ion:113 Resp: 83949

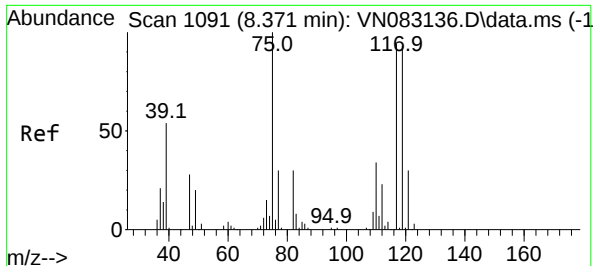
Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 17.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.688 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

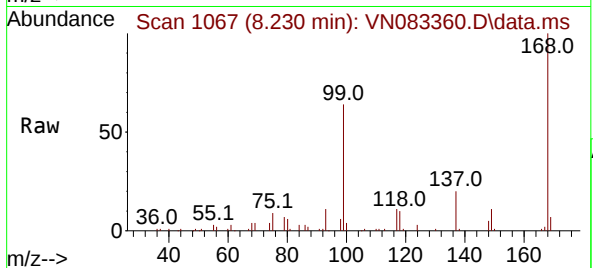
Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

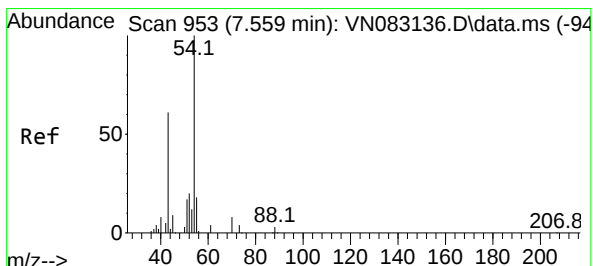
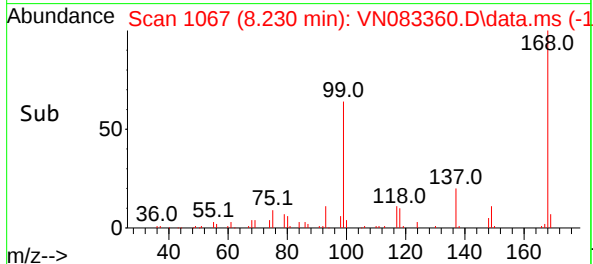
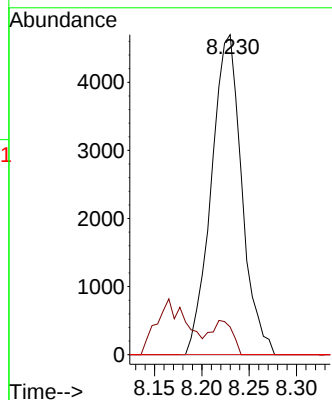
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10527
Ion Ratio	Lower Upper
75	100
110	7.7 16.3 48.9#
77	0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.175 ug/l

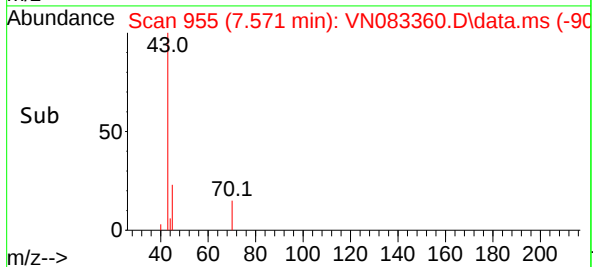
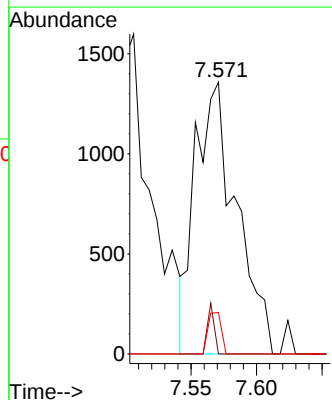
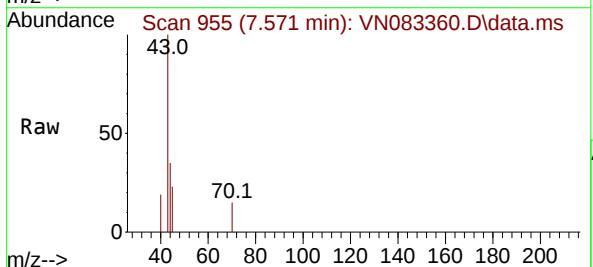
RT: 7.571 min Scan# 955

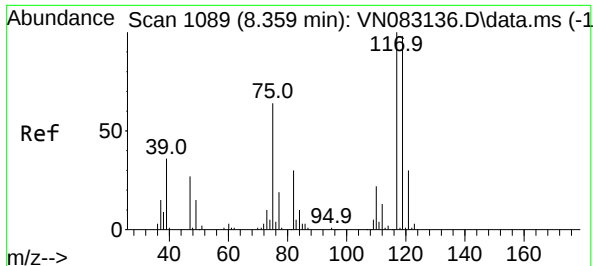
Delta R.T. 0.012 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

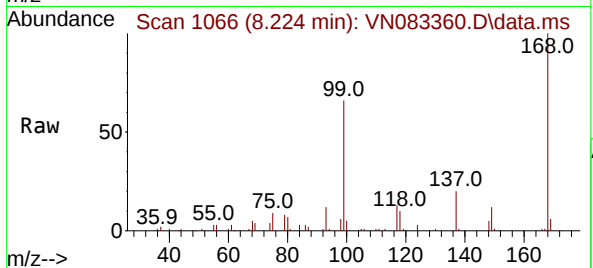
Tgt Ion: 43	Resp: 2954
Ion Ratio	Lower Upper
43	100
61	3.0 9.3 13.9#
70	4.9 7.0 10.6#



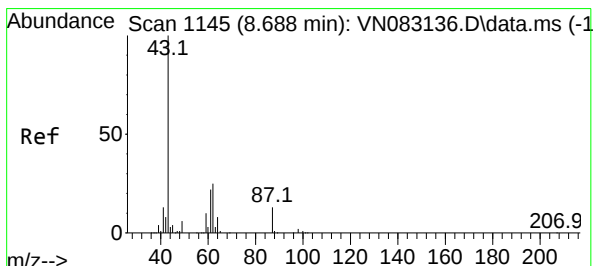
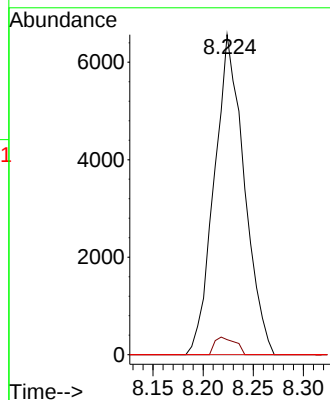
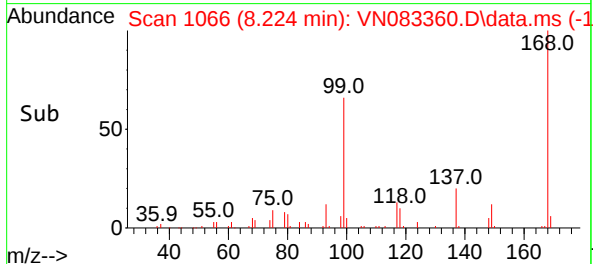


#38
Carbon Tetrachloride
Concen: 5.404 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

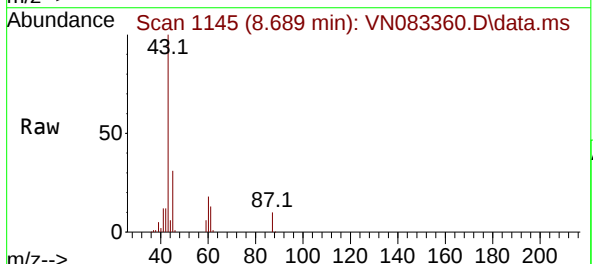
Instrument :
MSVOA_N
ClientSampleId :



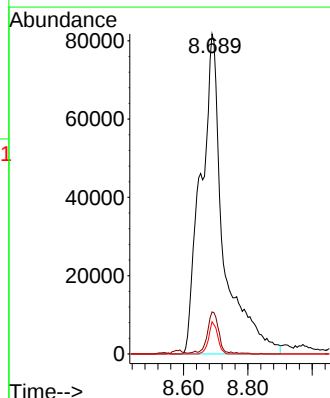
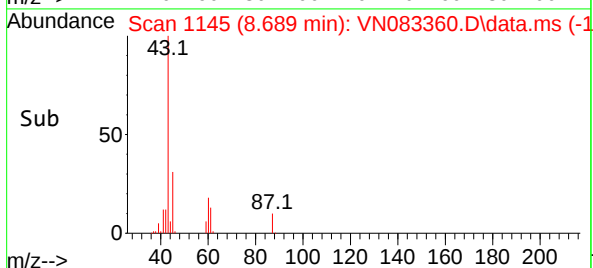
Tgt Ion:117 Resp: 13666
Ion Ratio Lower Upper
117 100
119 4.7 74.9 112.3#
121 0.0 24.3 36.5#

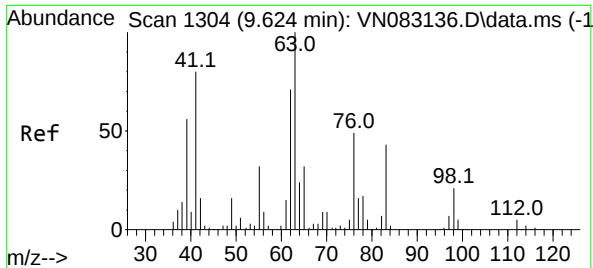


#43
Isopropyl Acetate
Concen: 97.467 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.001 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40



Tgt Ion: 43 Resp: 404082
Ion Ratio Lower Upper
43 100
61 6.2 17.8 26.6#
87 3.9 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.729 ug/l

RT: 9.741 min Scan# 1157

Delta R.T. 0.118 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Instrument :

MSVOA_N

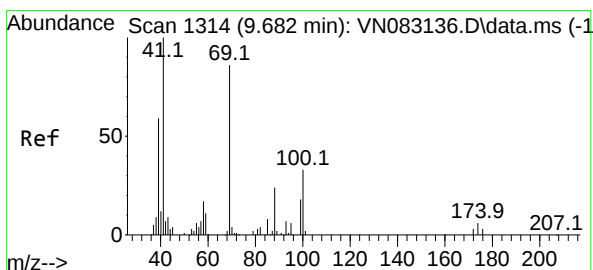
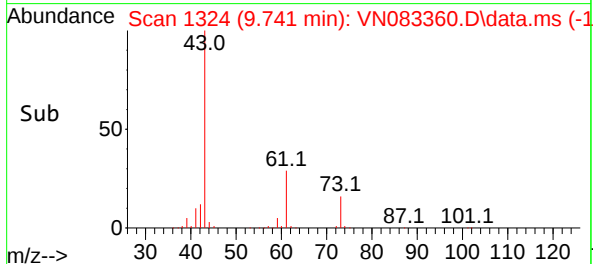
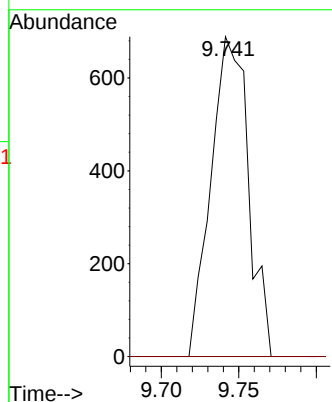
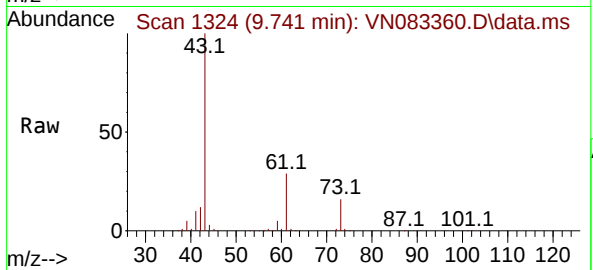
ClientSampleId :

Tgt Ion: 63 Resp: 1157

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.702 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

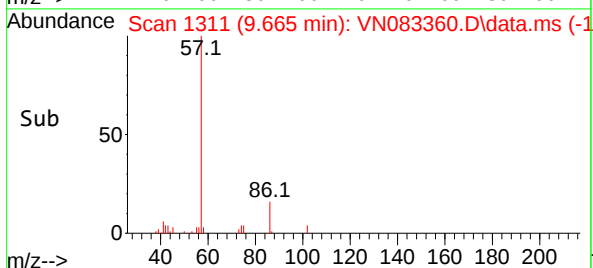
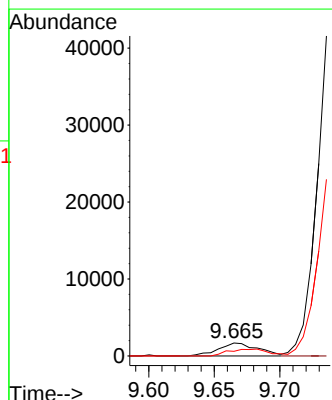
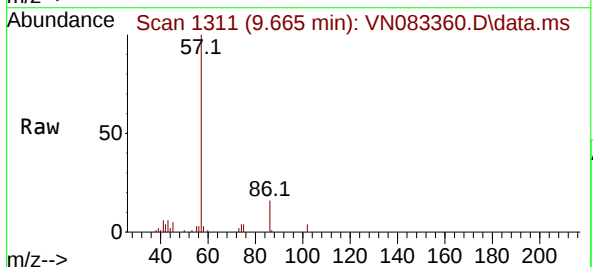
Tgt Ion: 41 Resp: 3538

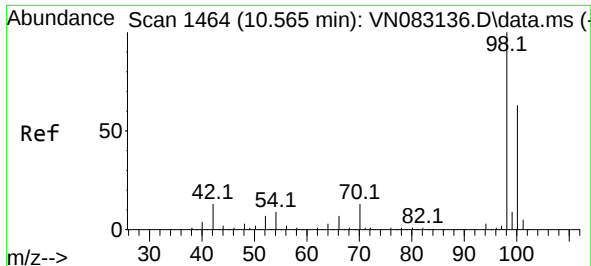
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 54.8 50.3 75.5

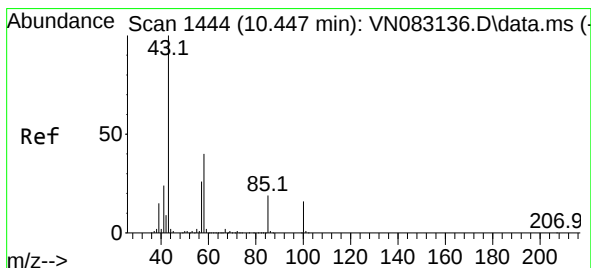
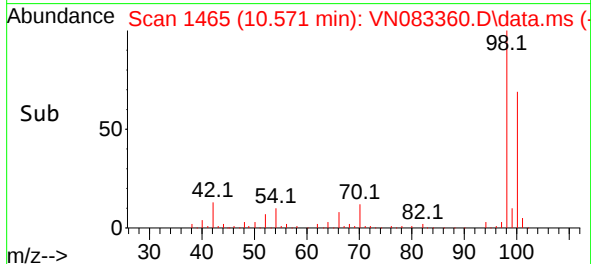
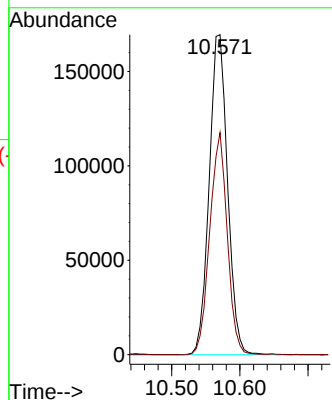
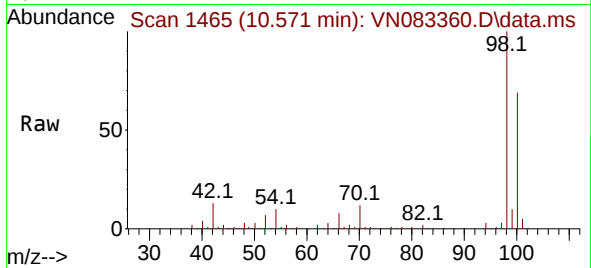




#50
Toluene-d8
Concen: 57.441 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

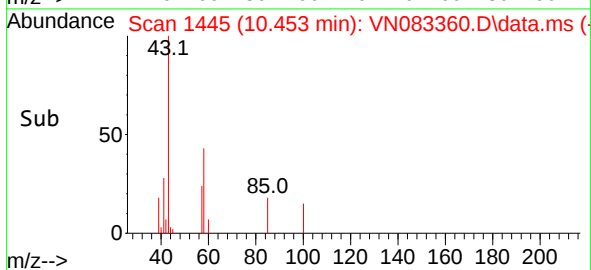
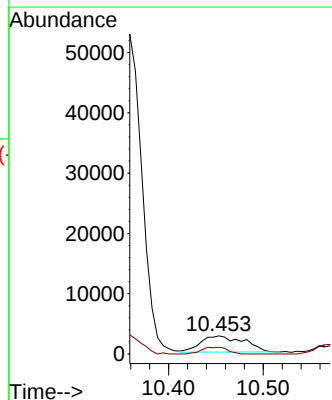
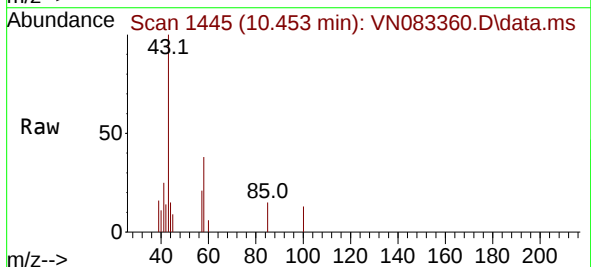
Instrument :
MSVOA_N
ClientSampleId :

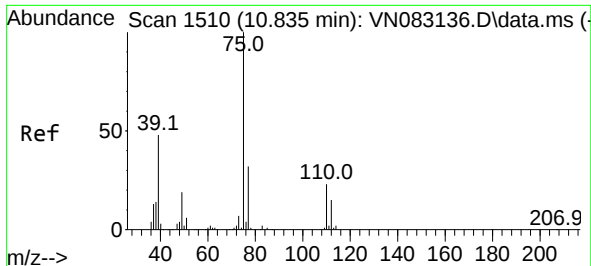
Tgt Ion: 98 Resp: 318051
Ion Ratio Lower Upper
98 100
100 66.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.599 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 43 Resp: 8556
Ion Ratio Lower Upper
43 100
58 24.7 28.2 42.4#

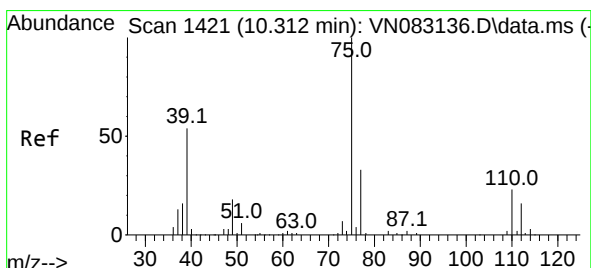
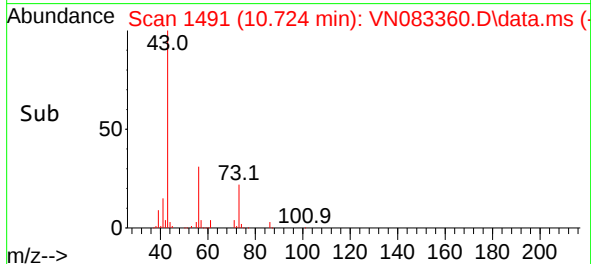
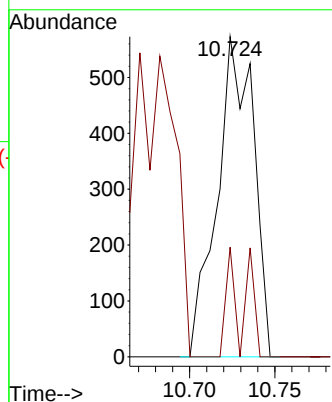
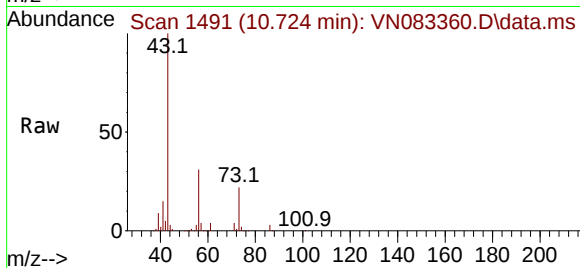




#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

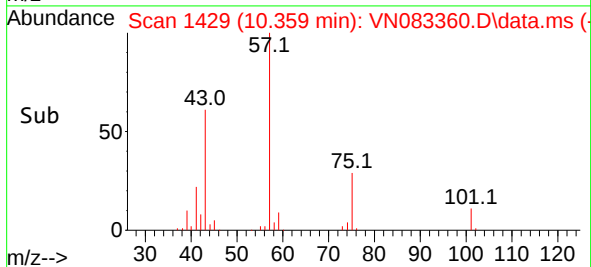
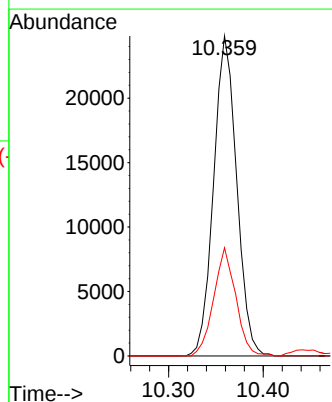
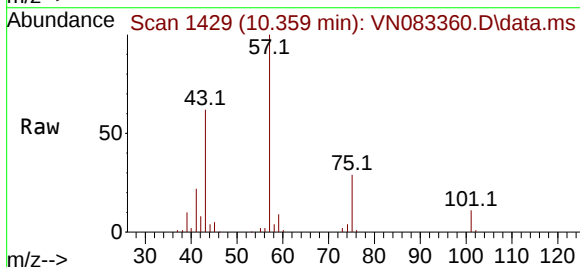
Instrument :
MSVOA_N
ClientSampleId :

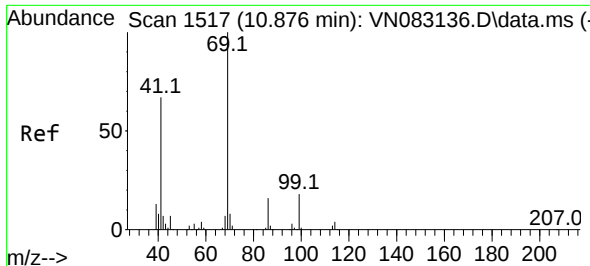
Tgt Ion: 75 Resp: 854
Ion Ratio Lower Upper
75 100
77 34.2 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 15.066 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 75 Resp: 42005
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 33.8 50.5 75.7#

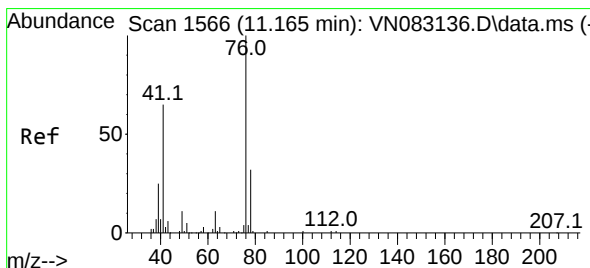
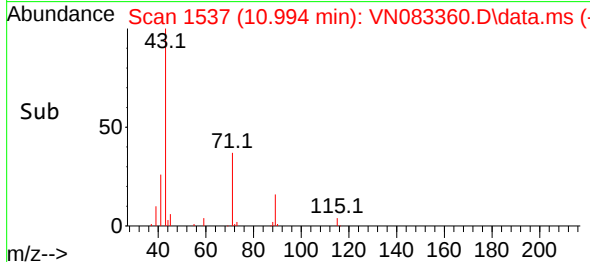
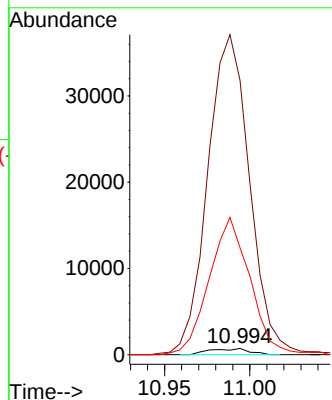
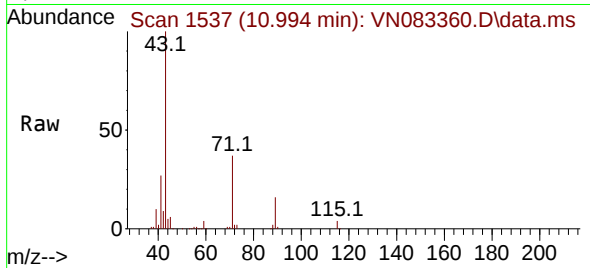




#56
Ethyl methacrylate
Concen: 0.400 ug/l
RT: 10.994 min Scan# 1141
Delta R.T. 0.118 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

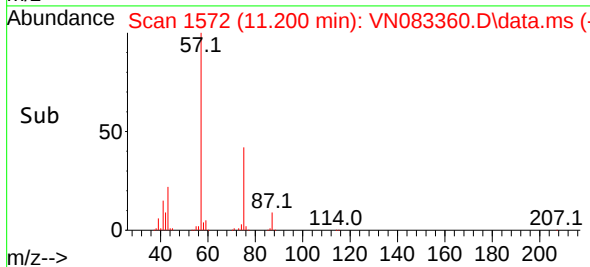
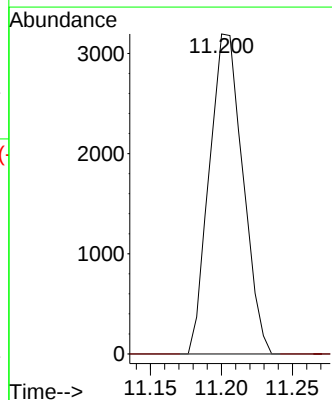
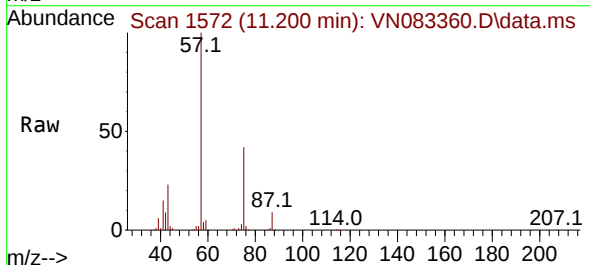
Instrument :
MSVOA_N
ClientSampleId :

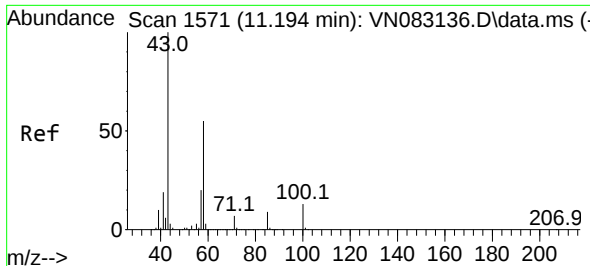
Tgt Ion: 69 Resp: 1141
Ion Ratio Lower Upper
69 100
41 5588.0 63.4 95.2#
39 2335.1 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.944 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 76 Resp: 5248
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

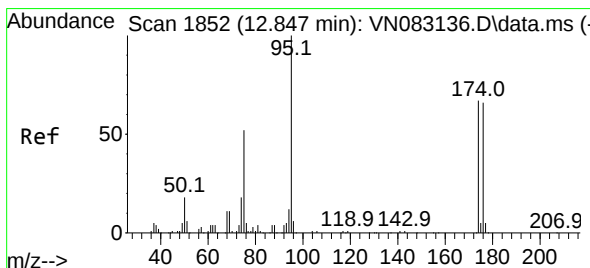
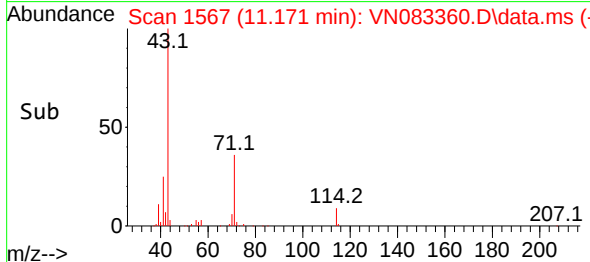
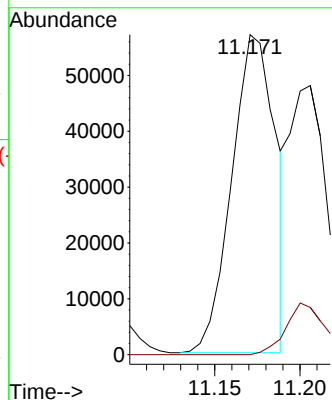
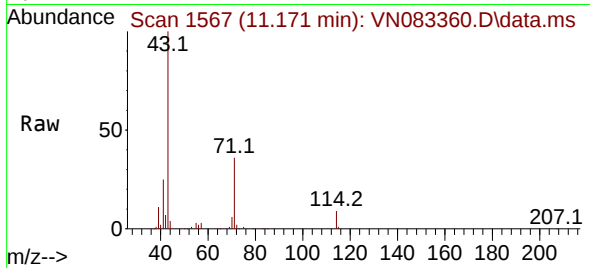




#59
2-Hexanone
Concen: 55.147 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

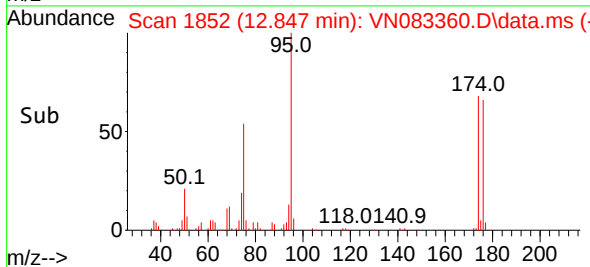
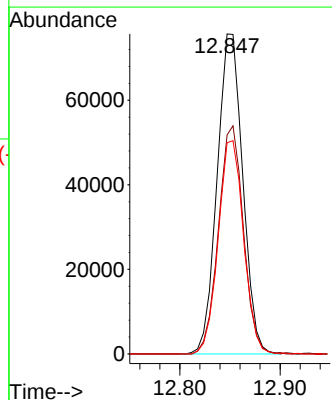
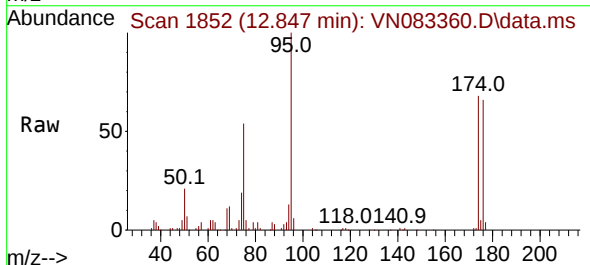
Instrument :
MSVOA_N
ClientSampleId :

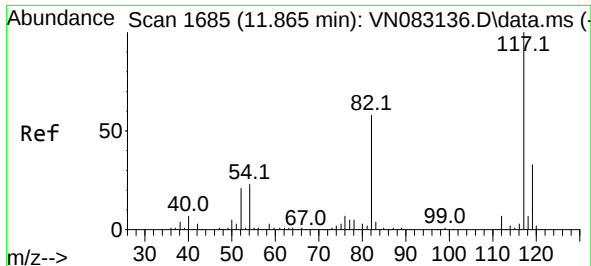
Tgt Ion: 43 Resp: 101432
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 62.174 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion: 95 Resp: 134213
Ion Ratio Lower Upper
95 100
174 69.4 0.0 159.2
176 66.1 0.0 147.6

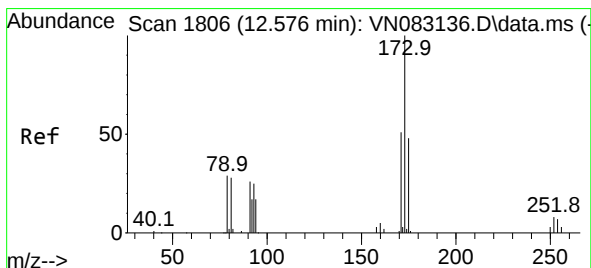
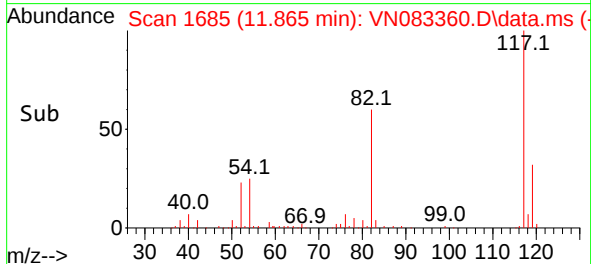
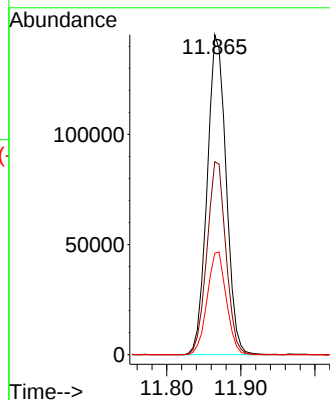
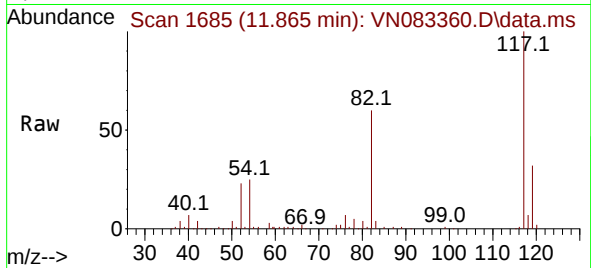




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

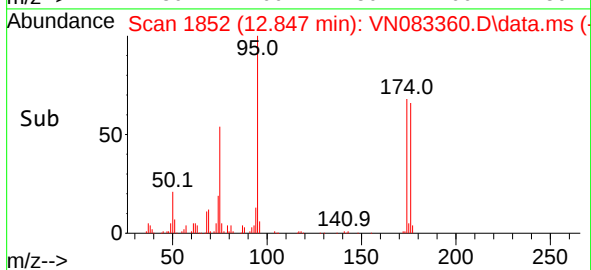
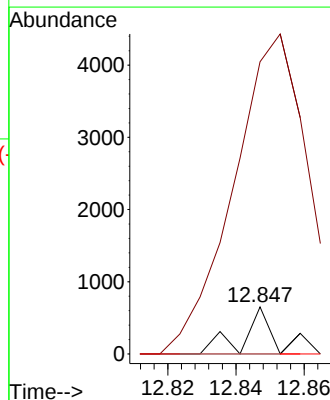
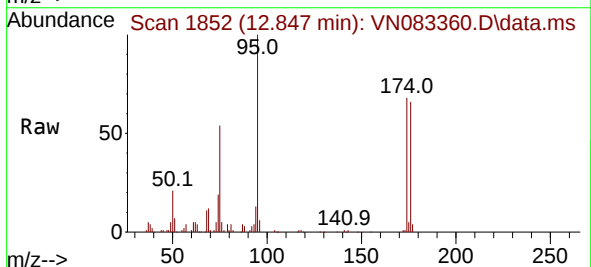
Instrument :
MSVOA_N
ClientSampleId :

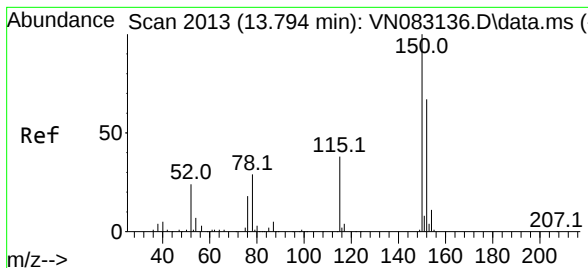
Tgt Ion:117 Resp: 258094
Ion Ratio Lower Upper
117 100
82 60.3 47.5 71.3
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083360.D
Acq: 16 Aug 2024 17:40

Tgt Ion:173 Resp: 339
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

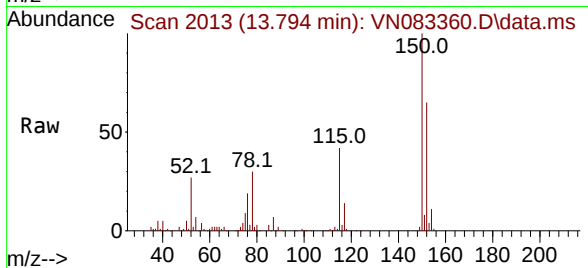
Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Instrument :

MSVOA_N

ClientSampleId :



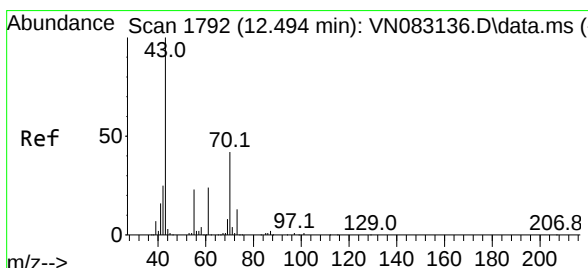
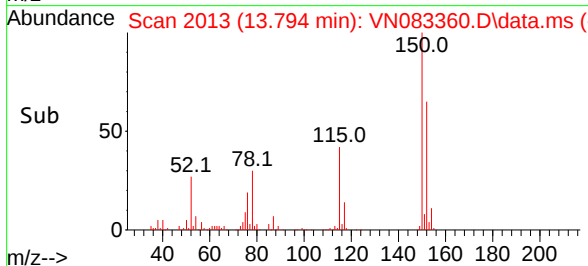
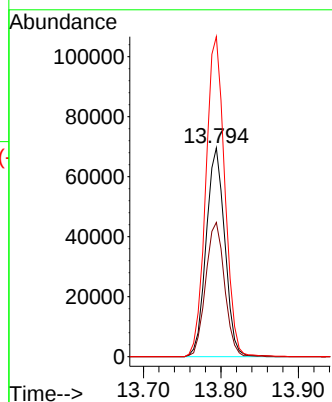
Tgt Ion:152 Resp: 116180

Ion Ratio Lower Upper

152 100

115 65.3 30.6 91.6

150 155.9 0.0 348.6



#74

N-ethyl acetate

Concen: 0.473 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Tgt Ion: 43 Resp: 2250

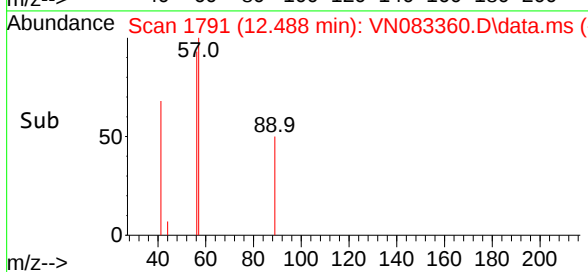
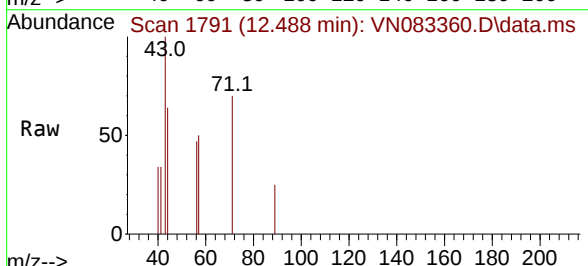
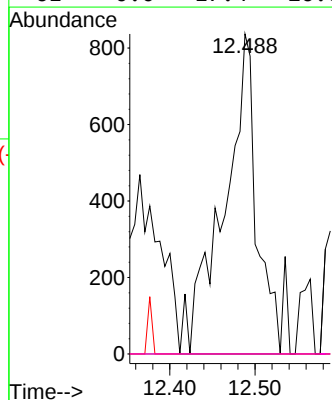
Ion Ratio Lower Upper

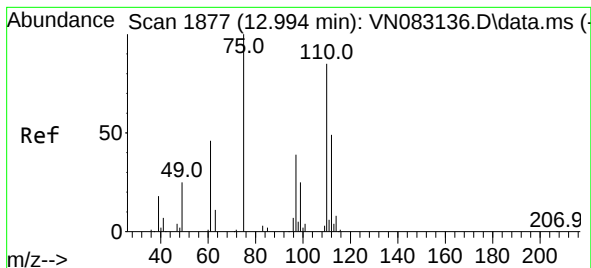
43 100

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: 28.773 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Instrument :

MSVOA_N

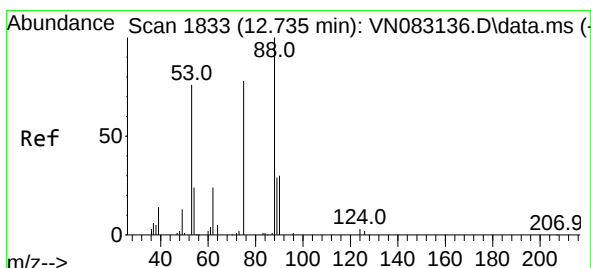
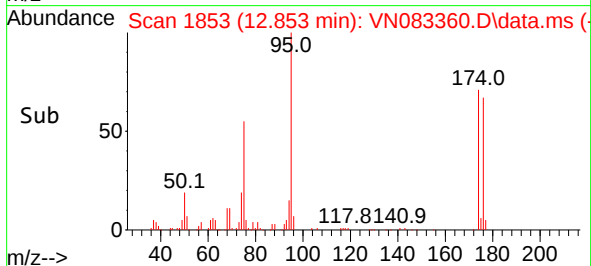
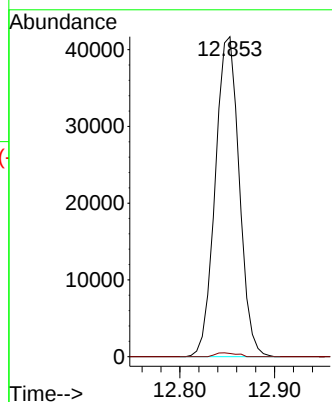
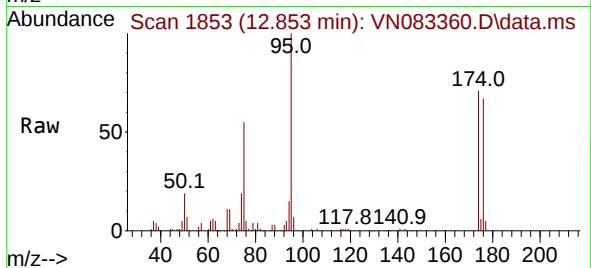
ClientSampleId :

Tgt Ion: 75 Resp: 73368

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.589 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN083360.D

Acq: 16 Aug 2024 17:40

Tgt Ion: 75 Resp: 73368

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

