

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083237.D
 Acq On : 12 Aug 2024 14:59
 Operator : JC\MD
 Sample : PB162664ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:19:50 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

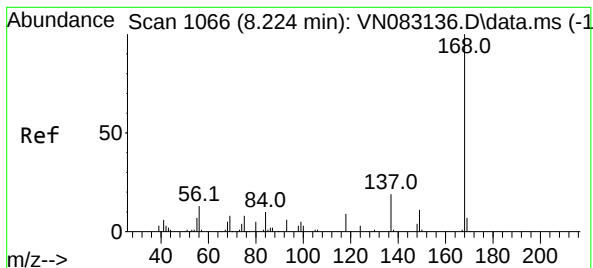
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	140588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	269660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	119150	59.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.080%	
35) Dibromofluoromethane	8.171	113	94349	56.055	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.100%	
50) Toluene-d8	10.571	98	358771	57.142	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 114.280%#	
62) 4-Bromofluorobenzene	12.847	95	150532	61.498	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 123.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1890	4.545	ug/l #	71
13) Acrolein	4.195	56	55	0.203	ug/l #	35
16) Acetone	4.436	43	38043	48.584	ug/l	98
18) Methyl Acetate	5.036	43	2760	1.183	ug/l #	60
20) Methylene Chloride	5.277	84	11327	6.285	ug/l	89
25) 2-Butanone	7.494	43	12411	10.323	ug/l	99
29) Tetrahydrofuran	7.853	42	457	0.588	ug/l #	38
31) Cyclohexane	8.230	56	3421	1.154	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	12127	4.763	ug/l #	51
37) Ethyl Acetate	7.565	43	3996	1.402	ug/l #	81
38) Carbon Tetrachloride	8.230	117	15945	5.560	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	851	0.308	ug/l #	78
43) Isopropyl Acetate	8.688	43	175749	34.679	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	1463	0.813	ug/l #	44
48) Methyl methacrylate	9.665	41	4373	1.855	ug/l #	54
49) 1,4-Dioxane	9.747	88	127	2.987	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	11615	4.308	ug/l #	74
53) t-1,3-Dichloropropene	10.724	75	741	0.249	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	48183	15.240	ug/l #	55
56) Ethyl methacrylate	10.982	69	871	0.269	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5833	1.905	ug/l #	43
59) 2-Hexanone	11.171	43	113601	54.469	ug/l #	28
71) Bromoform	12.847	173	719	0.427	ug/l #	1
74) N-amyl acetate	12.465	43	3212	0.616	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	81648	29.192	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81648	63.500	ug/l #	6

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

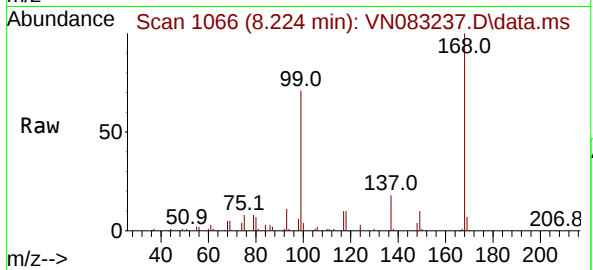
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



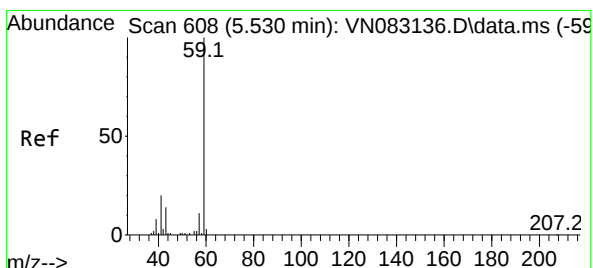
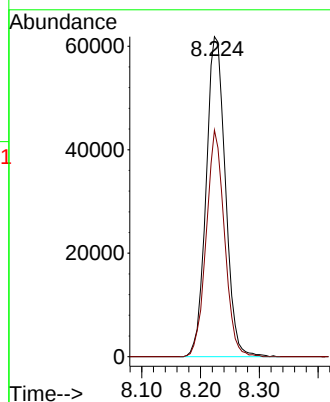
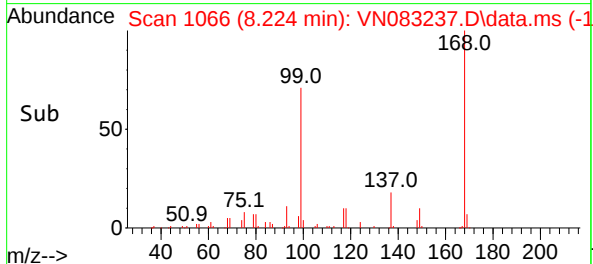


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

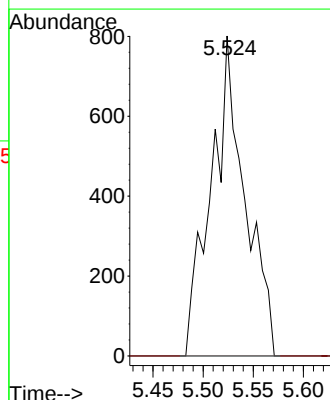
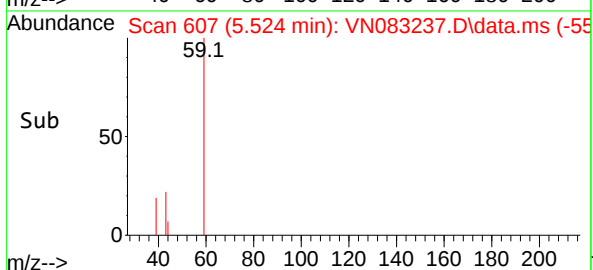
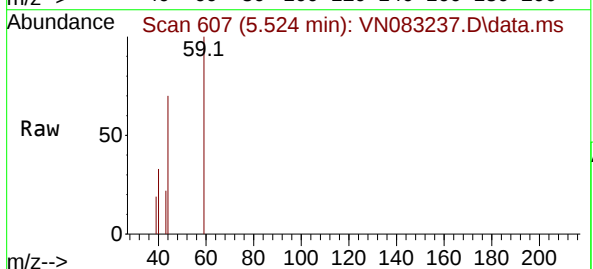


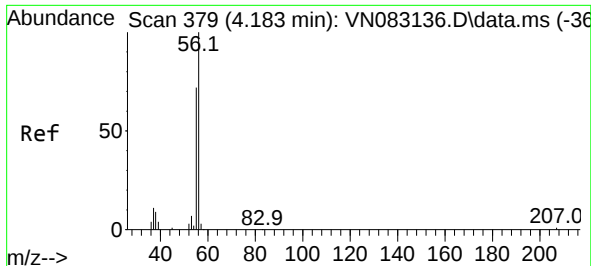
Tgt Ion:168 Resp: 140588
Ion Ratio Lower Upper
168 100
99 70.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 4.545 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

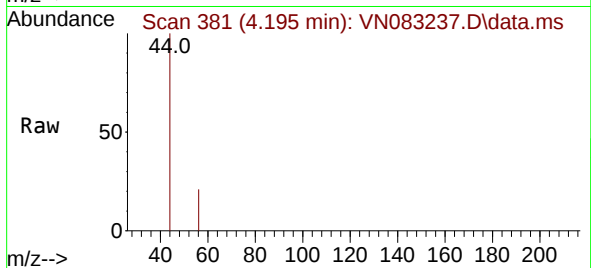
Tgt Ion: 59 Resp: 1890
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



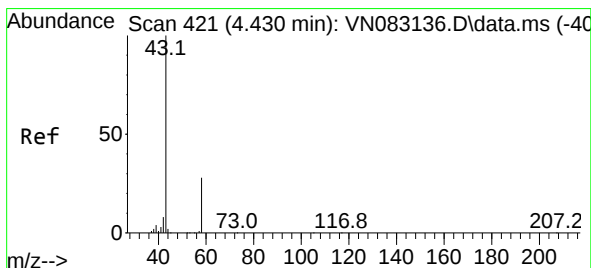
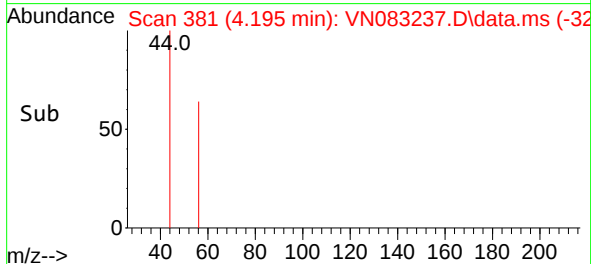
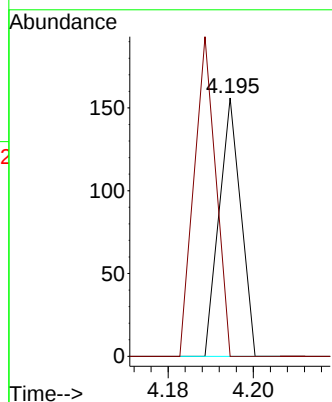


#13
Acrolein
Concen: 0.203 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

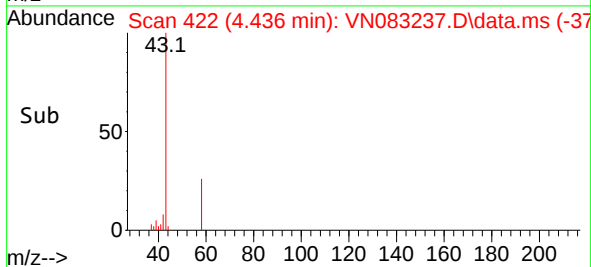
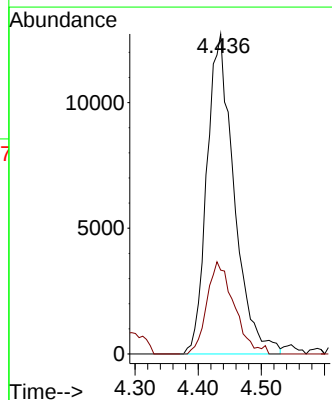
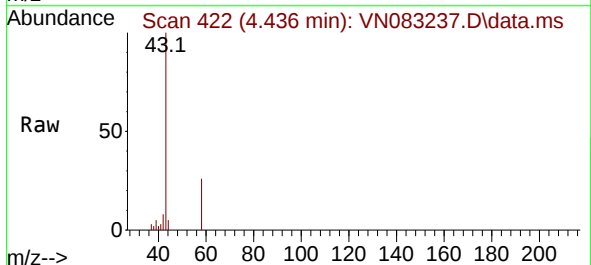


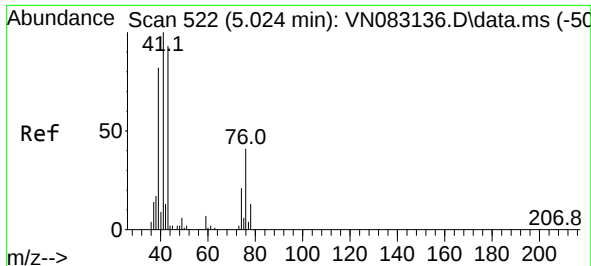
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 123.6 56.4 84.6#



#16
Acetone
Concen: 48.584 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

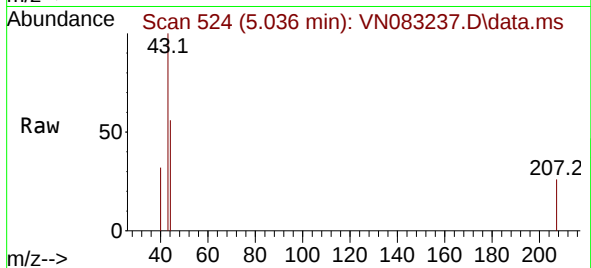
Tgt Ion: 43 Resp: 38043
Ion Ratio Lower Upper
43 100
58 26.2 21.8 32.6



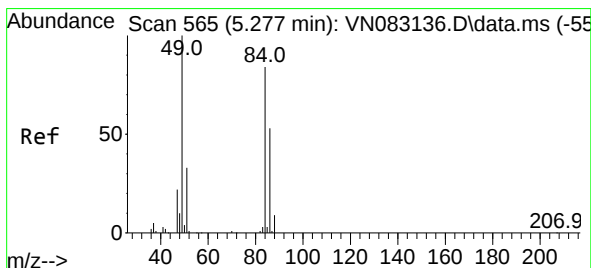
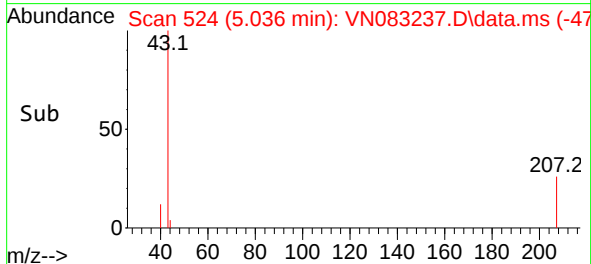
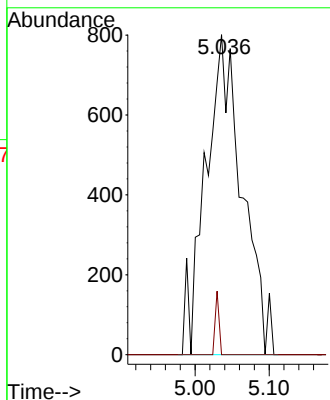


#18
Methyl Acetate
Concen: 1.183 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

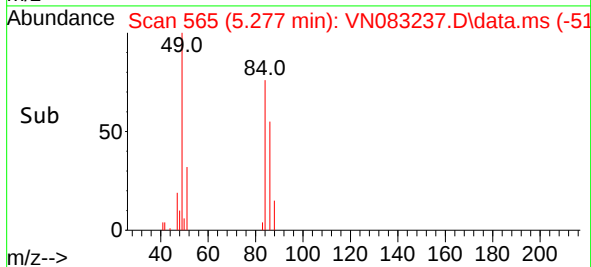
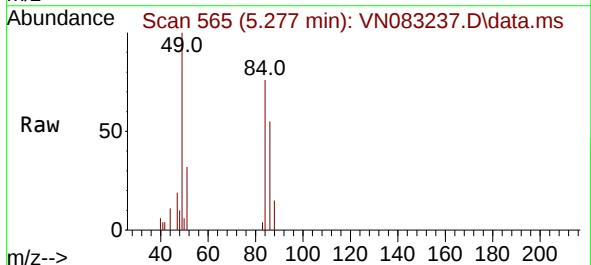
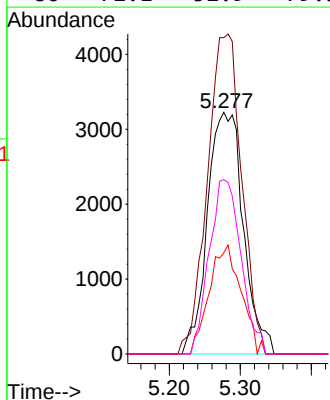


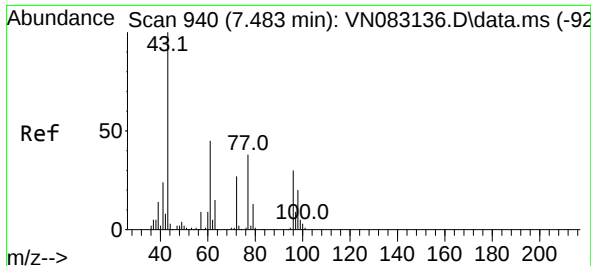
Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
74 2.0 16.3 24.5#



#20
Methylene Chloride
Concen: 6.285 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 84 Resp: 11327
Ion Ratio Lower Upper
84 100
49 131.0 119.6 179.4
51 41.9 34.8 52.2
86 72.1 52.9 79.3

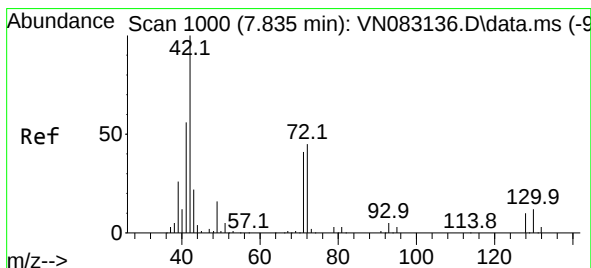
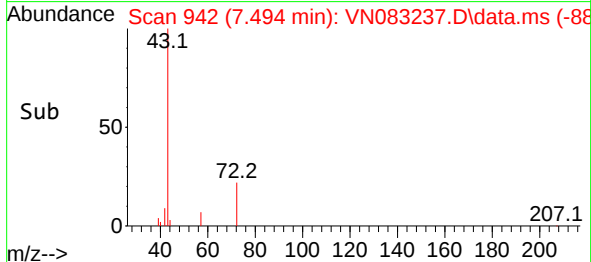
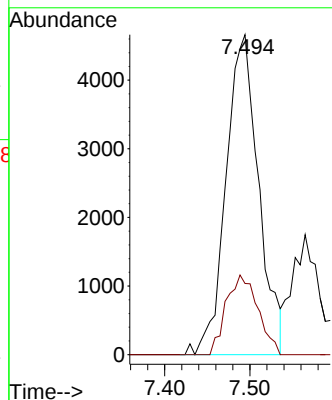
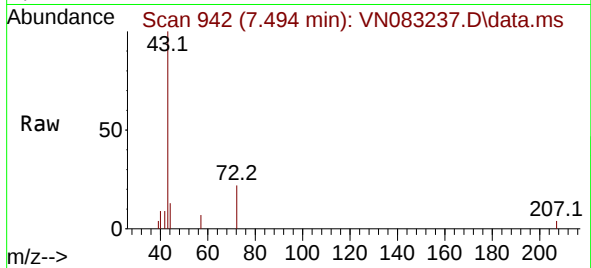




#25
2-Butanone
Concen: 10.323 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

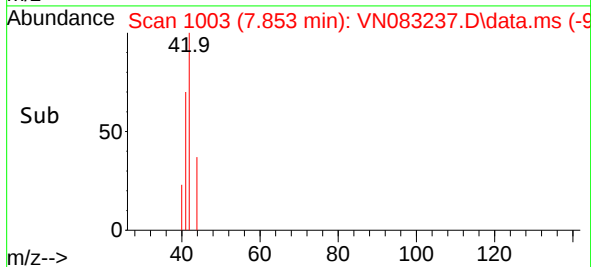
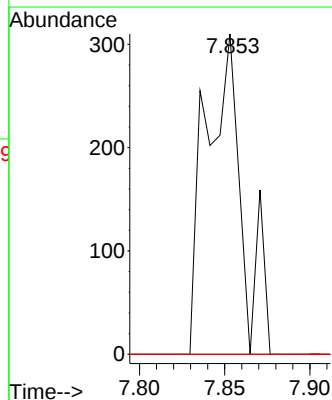
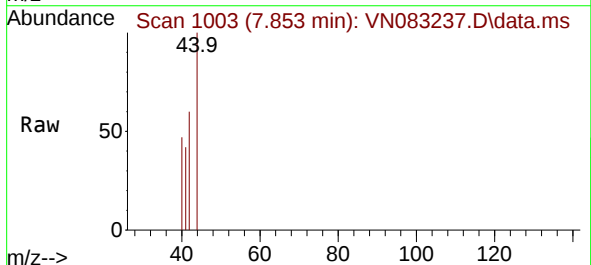
Instrument :
MSVOA_N
ClientSampleId :

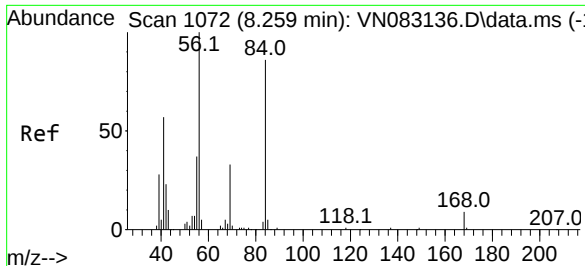
Tgt Ion: 43 Resp: 12411
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.588 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 42 Resp: 457
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#

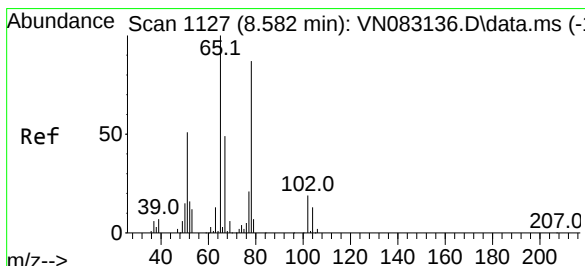
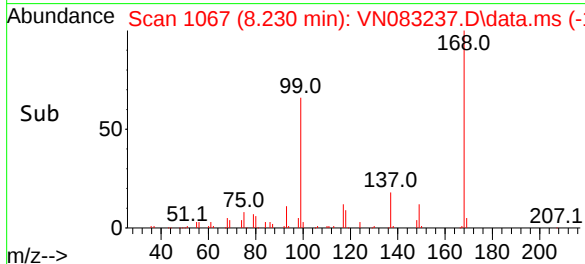
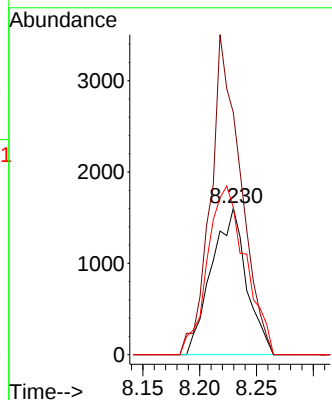
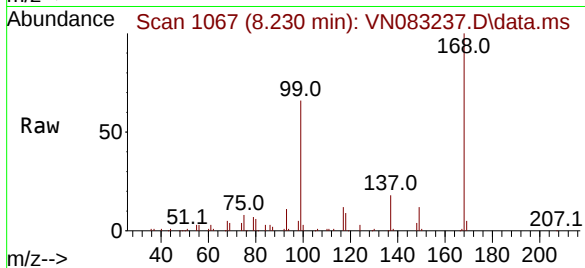




#31
Cyclohexane
Concen: 1.154 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

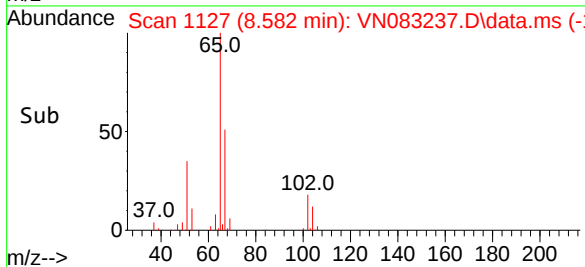
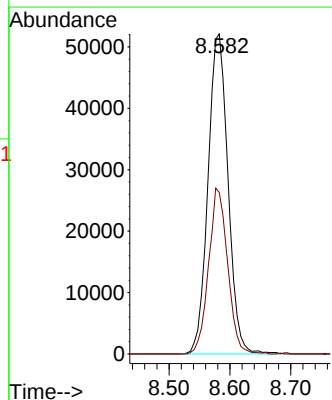
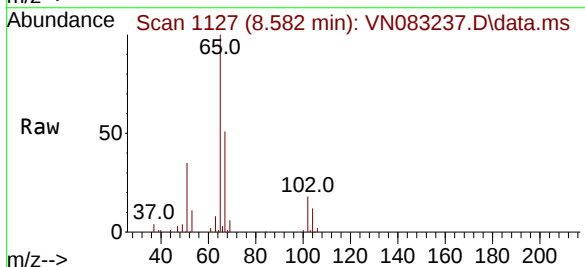
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MSVOA_N
ClientSampleId :

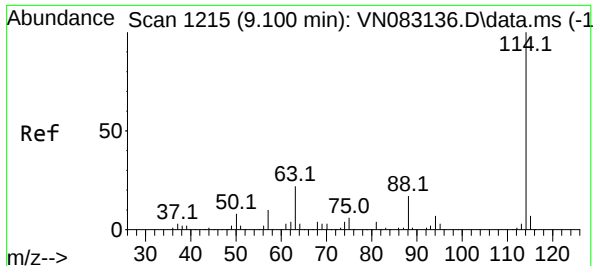
Tgt Ion: 56 Resp: 3421
Ion Ratio Lower Upper
56 100
69 165.2 24.5 36.7#
84 100.5 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 59.542 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 65 Resp: 119150
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.4

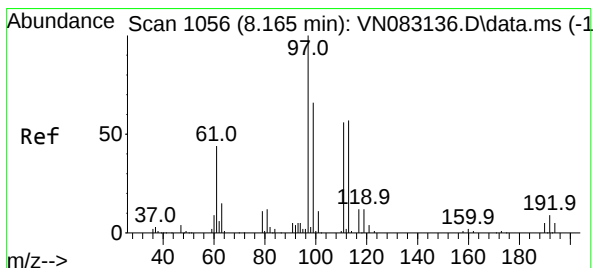
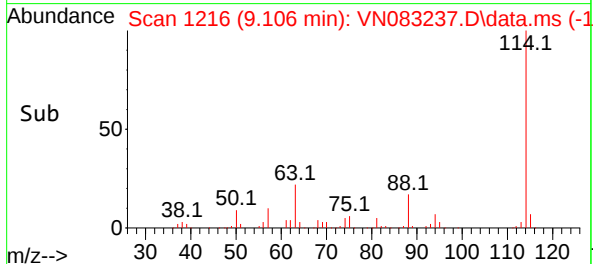
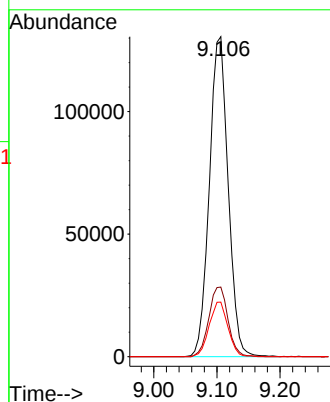
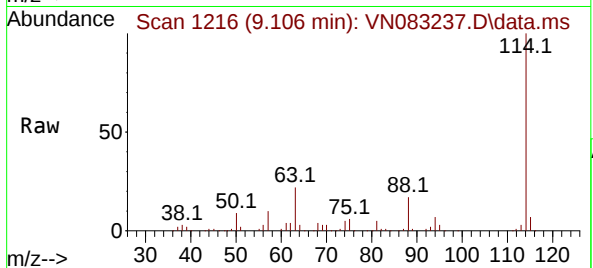




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

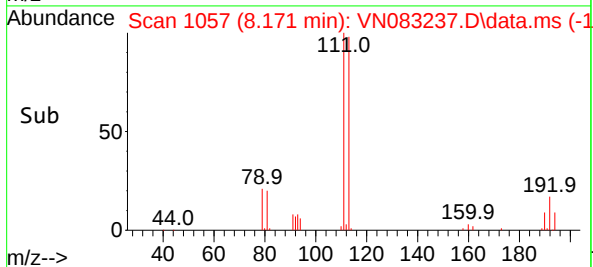
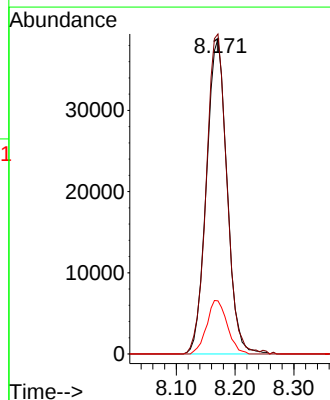
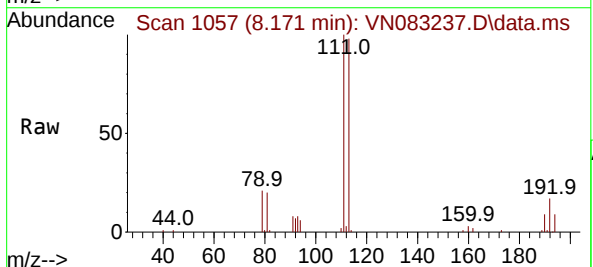
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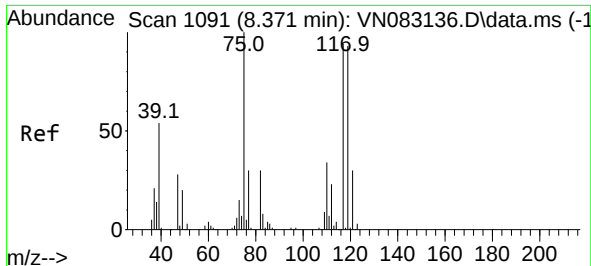
Tgt Ion:114 Resp: 269660
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.6
88 17.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 56.055 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion:113 Resp: 94349
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 16.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN083237.D

Acq: 12 Aug 2024 14:59

Instrument :

MSVOA_N

ClientSampleId :

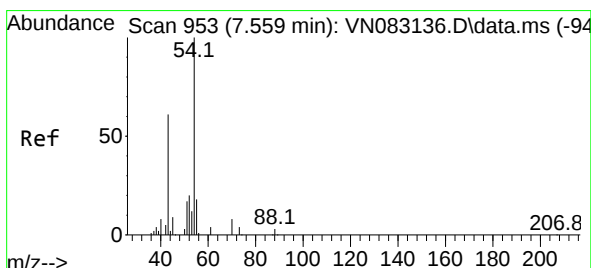
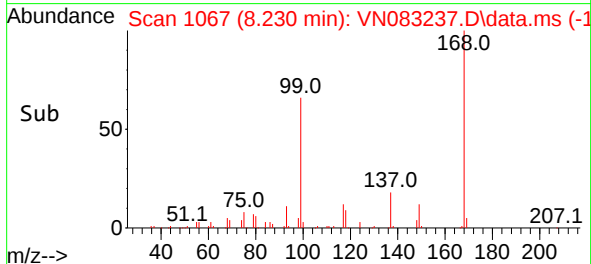
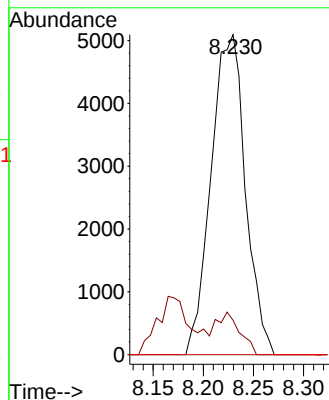
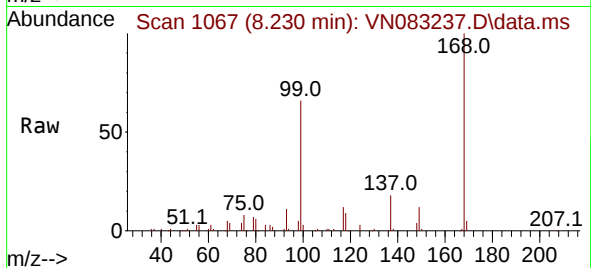
Tgt Ion: 75 Resp: 12127

Ion Ratio Lower Upper

75 100

110 9.1 16.3 48.9#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.402 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN083237.D

Acq: 12 Aug 2024 14:59

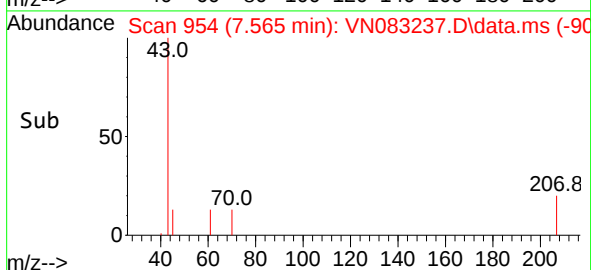
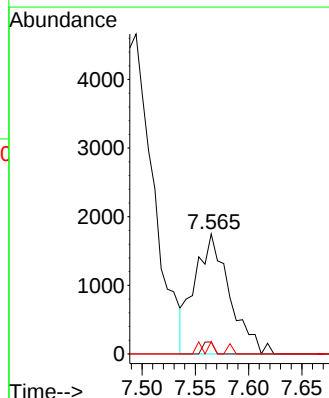
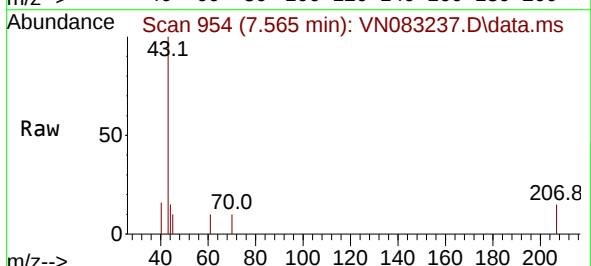
Tgt Ion: 43 Resp: 3996

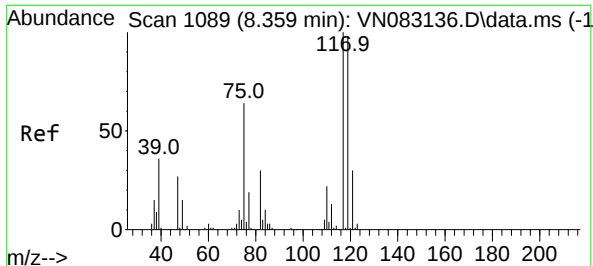
Ion Ratio Lower Upper

43 100

61 3.1 9.3 13.9#

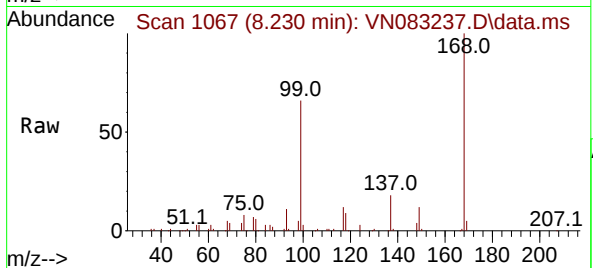
70 3.1 7.0 10.6#



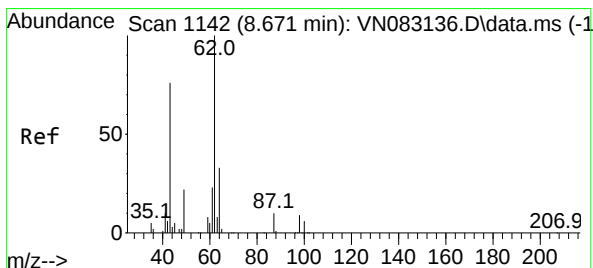
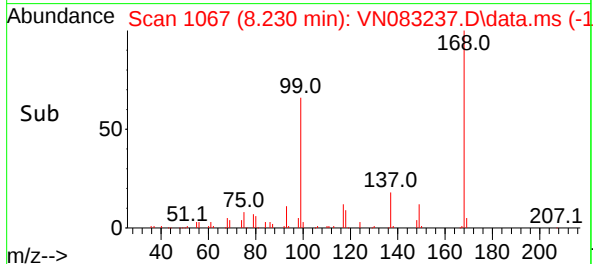
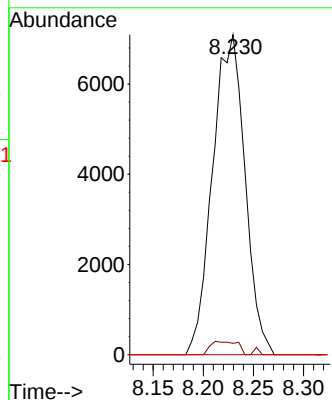


#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

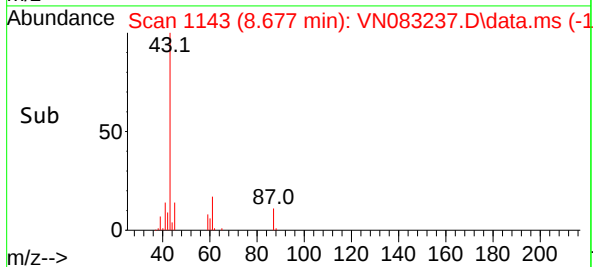
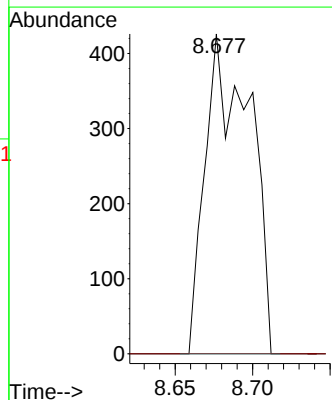
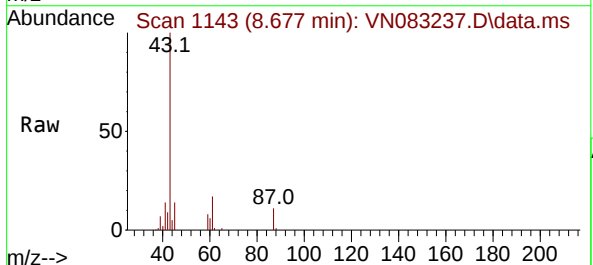


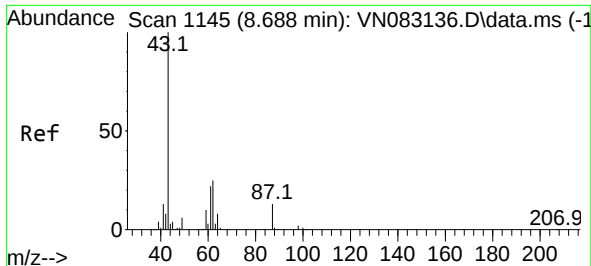
Tgt Ion:117 Resp: 15945
Ion Ratio Lower Upper
117 100
119 3.6 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.308 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

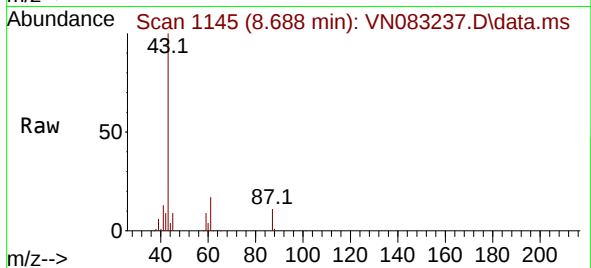
Tgt Ion: 62 Resp: 851
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



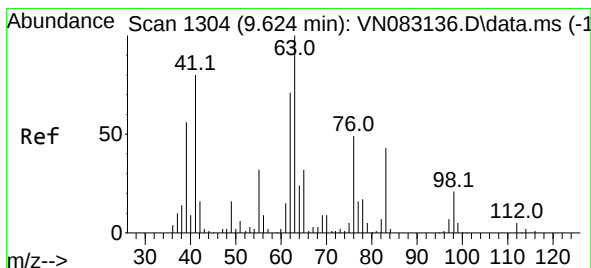
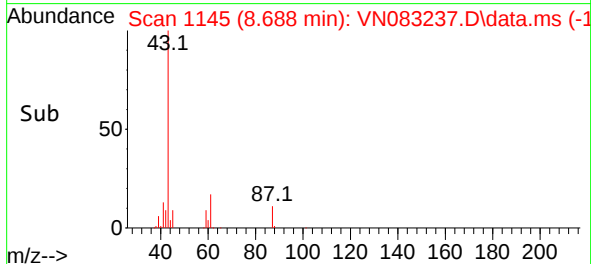
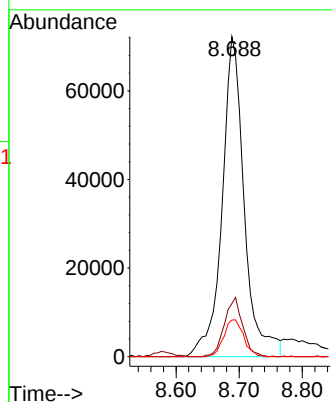


#43
Isopropyl Acetate
Concen: 34.679 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

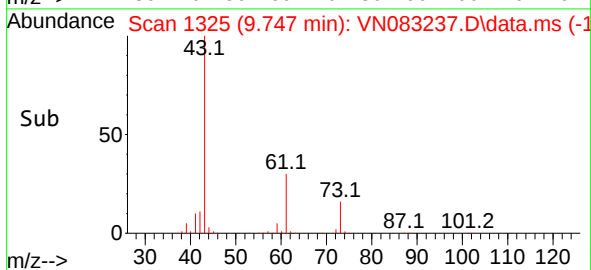
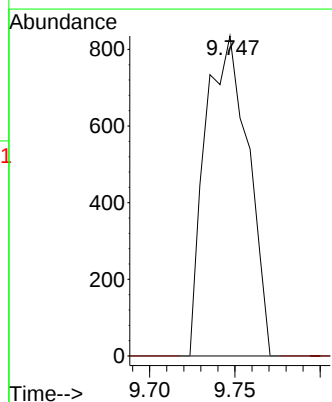
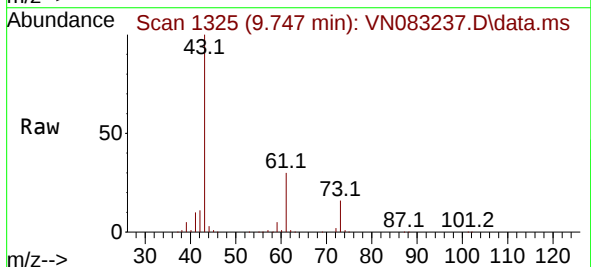


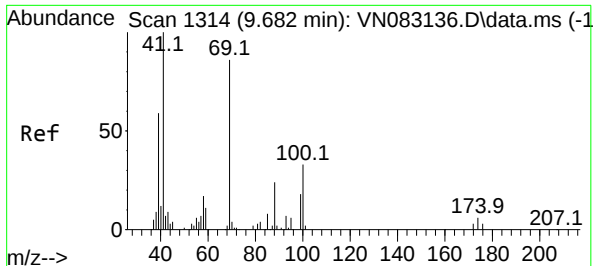
Tgt Ion: 43 Resp: 175749
Ion Ratio Lower Upper
43 100
61 15.3 17.8 26.6#
87 10.3 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.813 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

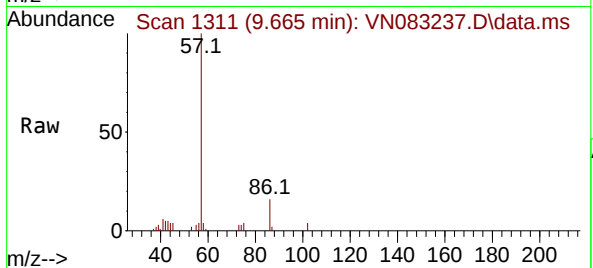
Tgt Ion: 63 Resp: 1463
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



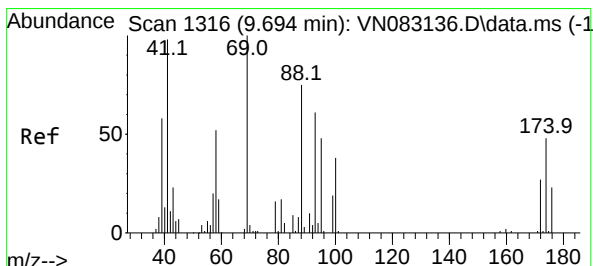
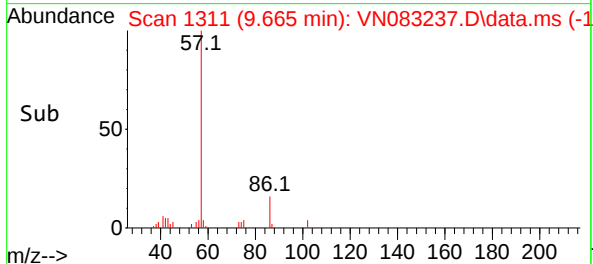
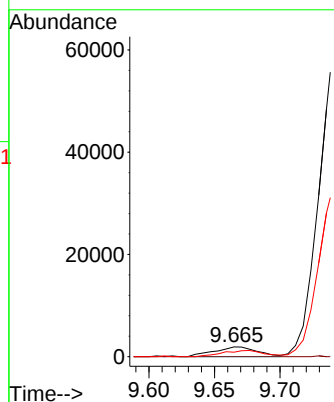


#48
Methyl methacrylate
Concen: 1.855 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

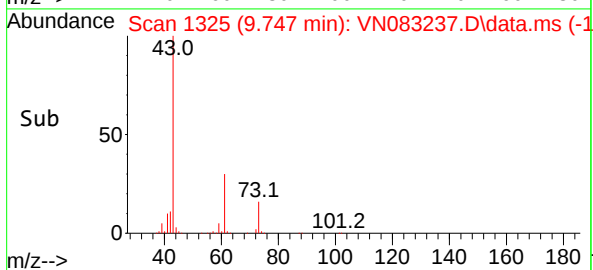
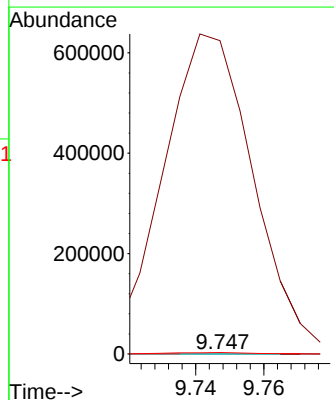
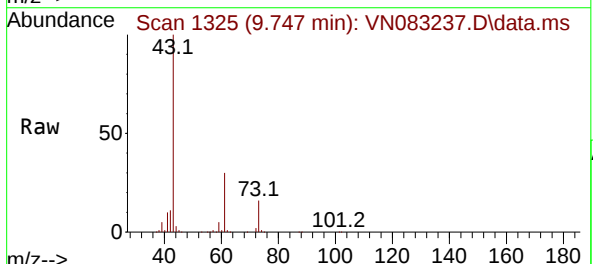


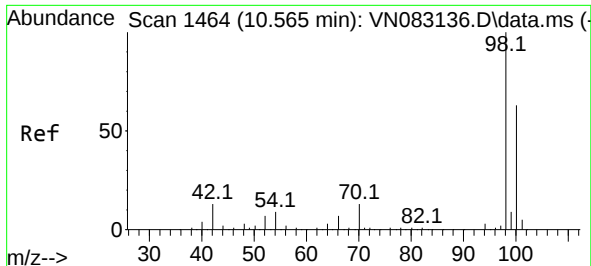
Tgt Ion: 41 Resp: 4373
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 61.1 50.3 75.5



#49
1,4-Dioxane
Concen: 2.987 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 88 Resp: 127
Ion Ratio Lower Upper
88 100
43 939878.0 27.8 41.8#
58 3872.4 59.4 89.0#

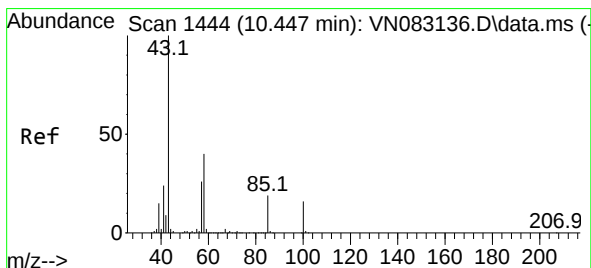
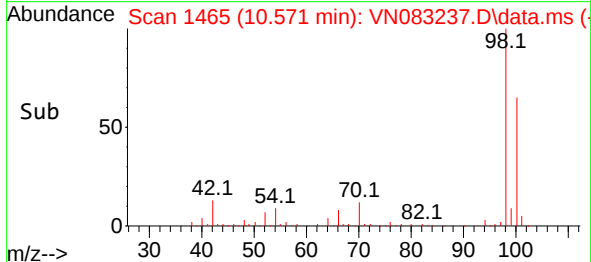
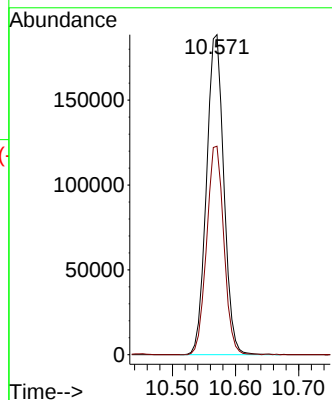
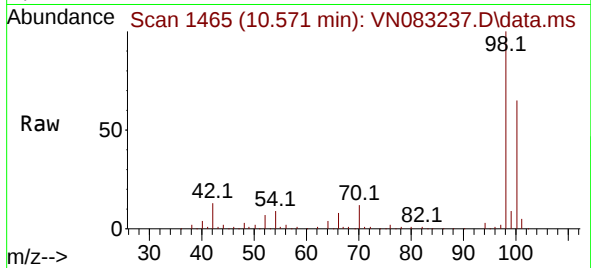




#50
Toluene-d8
Concen: 57.142 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

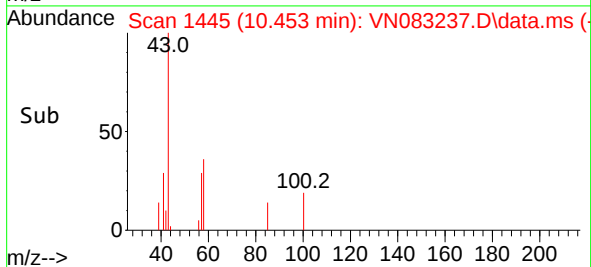
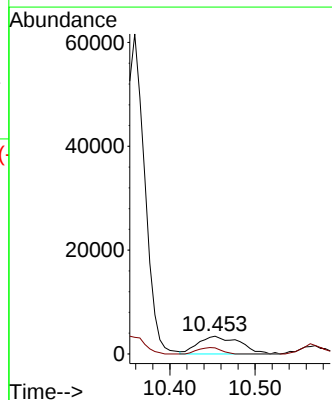
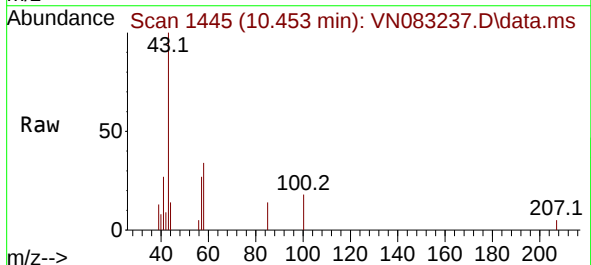
Instrument :
MSVOA_N
ClientSampleId :

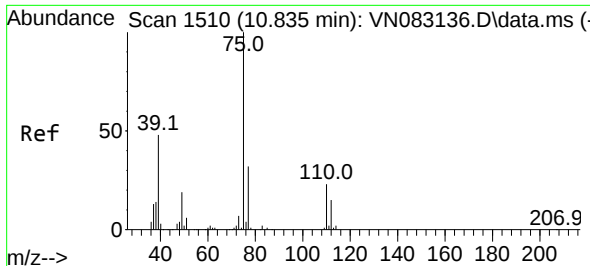
Tgt Ion: 98 Resp: 358771
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 4.308 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

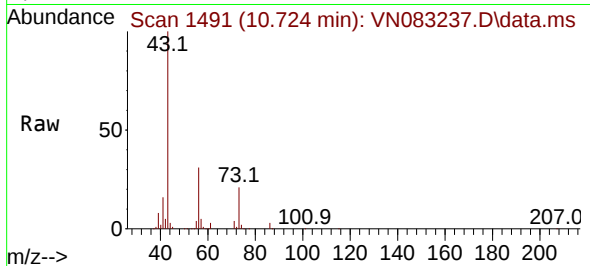
Tgt Ion: 43 Resp: 11615
Ion Ratio Lower Upper
43 100
58 20.2 28.2 42.4#



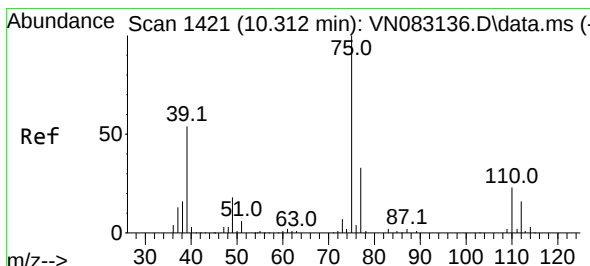
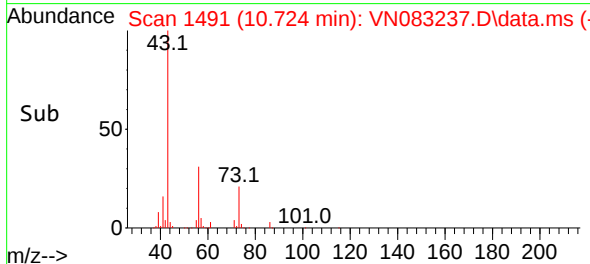
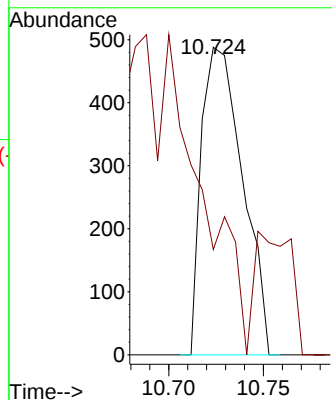


#53
t-1,3-Dichloropropene
Concen: 0.249 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

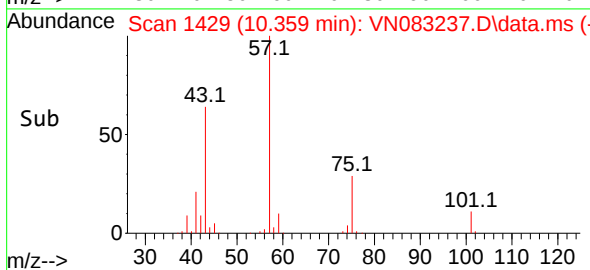
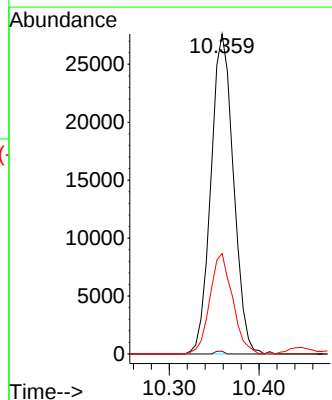
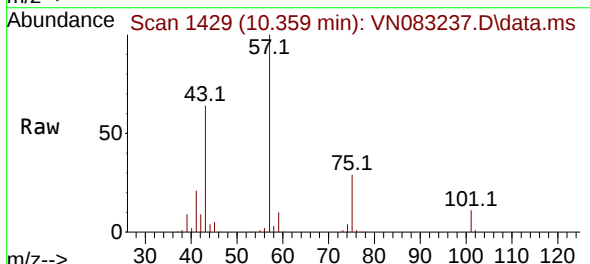


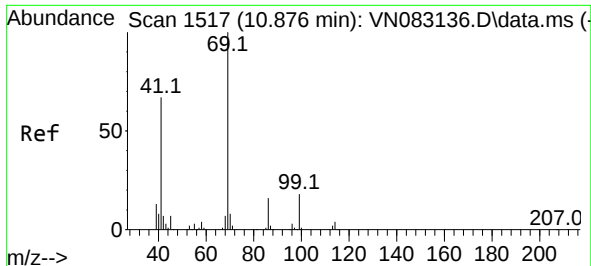
Tgt Ion: 75 Resp: 741
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.240 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

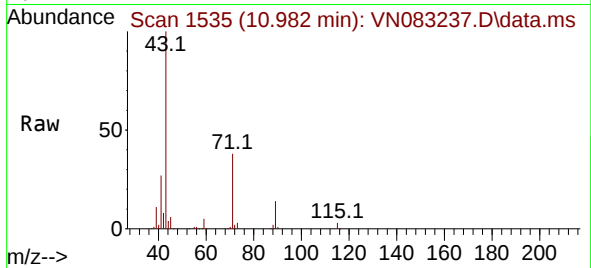
Tgt Ion: 75 Resp: 48183
Ion Ratio Lower Upper
75 100
77 0.9 24.3 36.5#
39 31.4 50.5 75.7#



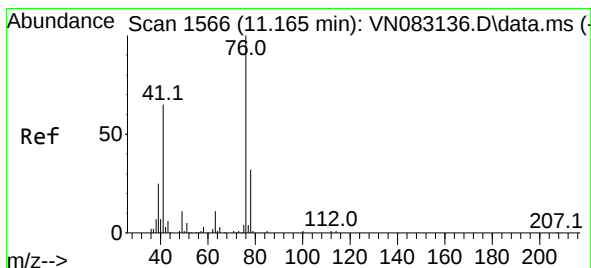
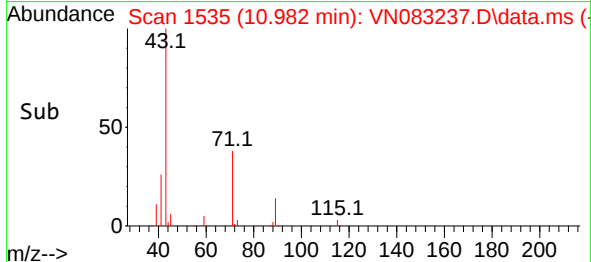
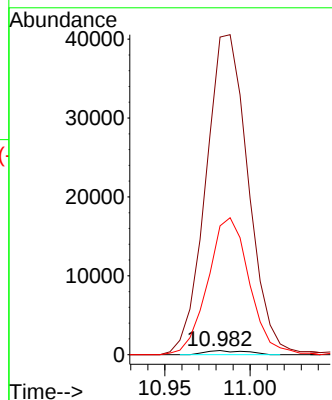


#56
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

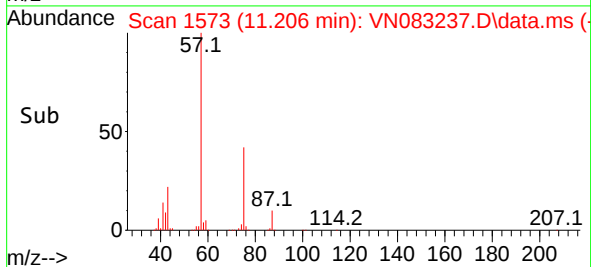
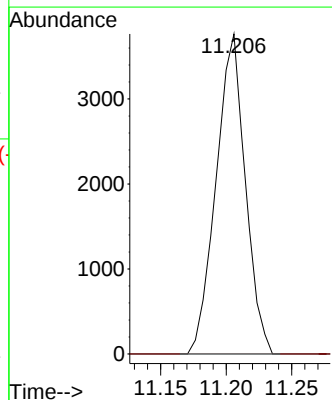
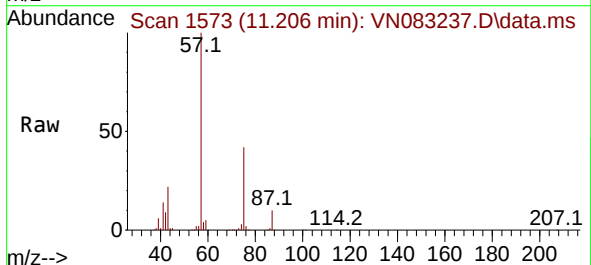


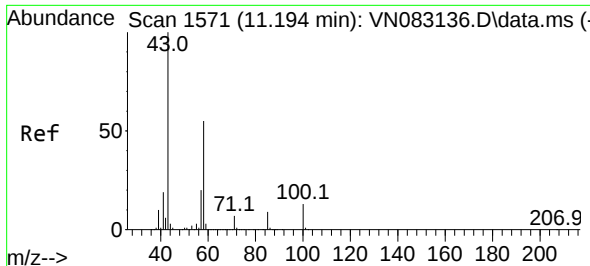
Tgt Ion: 69 Resp: 871
Ion Ratio Lower Upper
69 100
41 8109.6 63.4 95.2#
39 3388.4 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.905 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 76 Resp: 5833
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

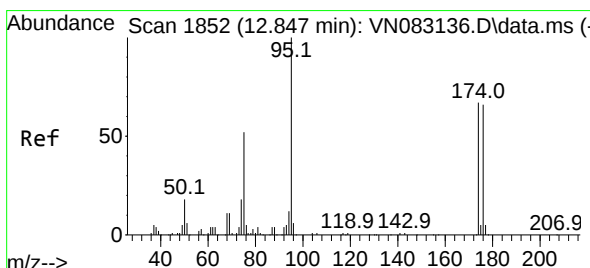
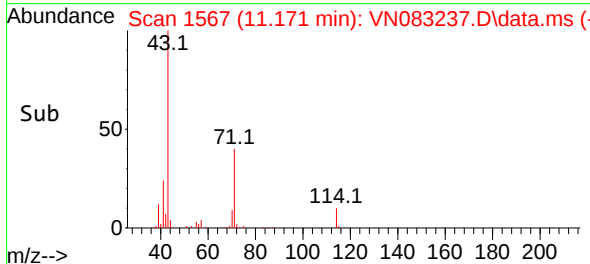
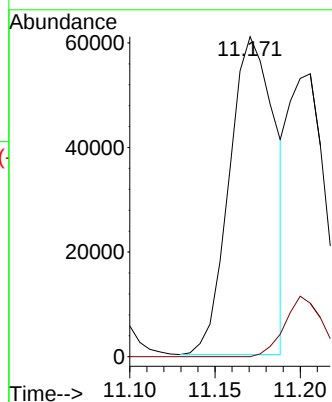
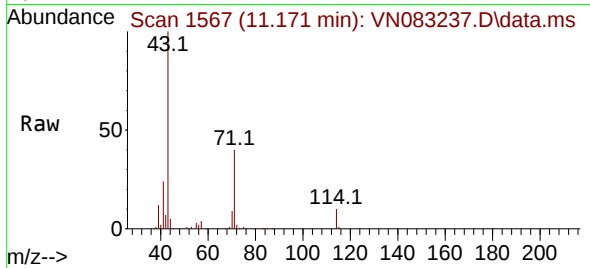




#59
2-Hexanone
Concen: 54.469 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

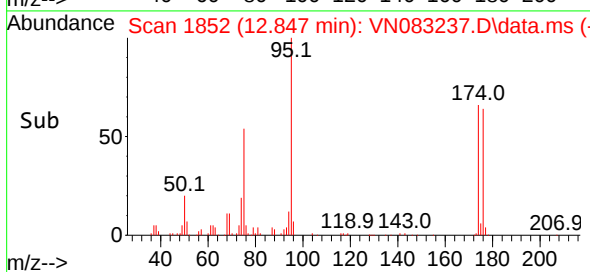
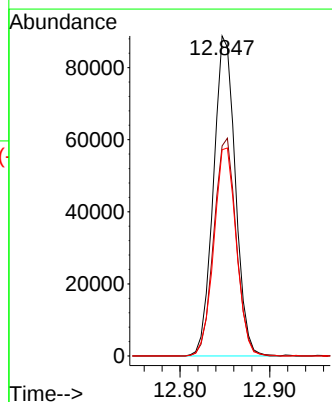
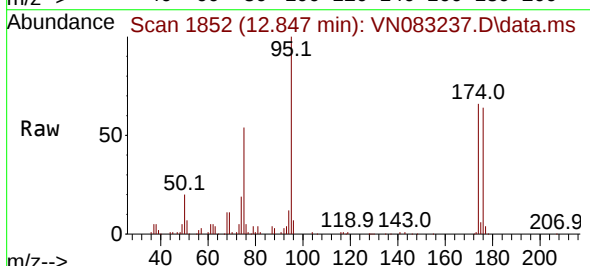
Instrument :
MSVOA_N
ClientSampleId :

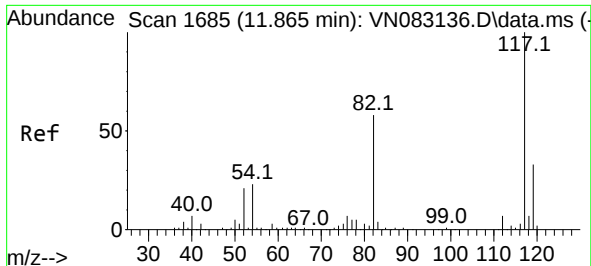
Tgt Ion: 43 Resp: 113601
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 61.498 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

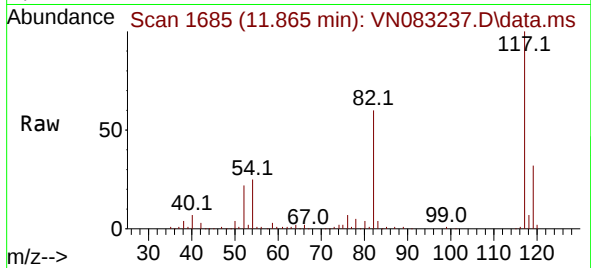
Tgt Ion: 95 Resp: 150532
Ion Ratio Lower Upper
95 100
174 69.4 0.0 159.2
176 66.7 0.0 147.6



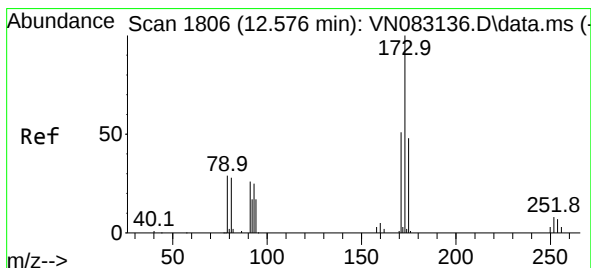
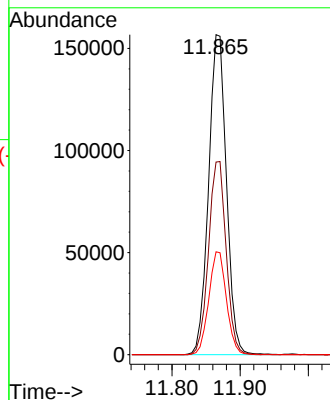
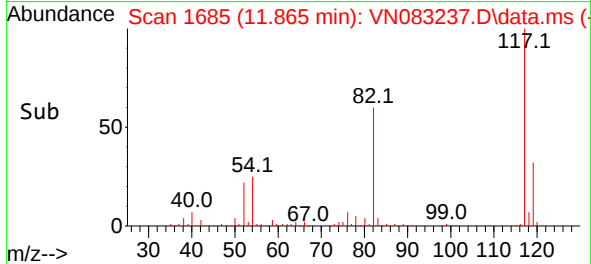


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

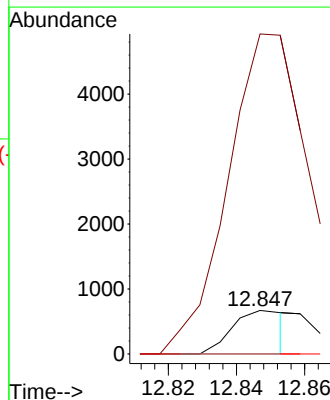
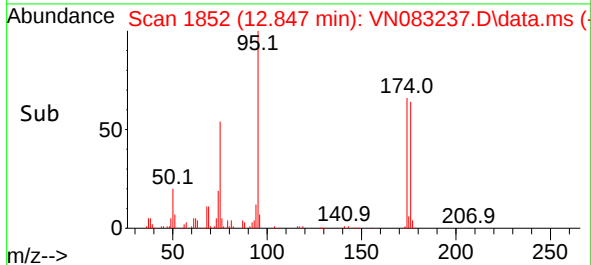
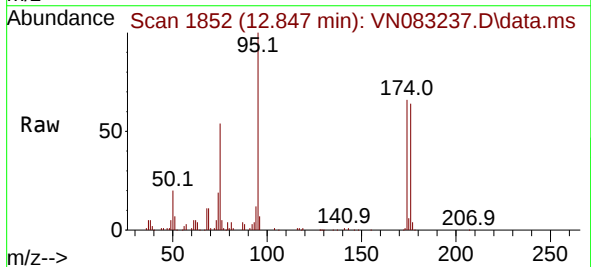


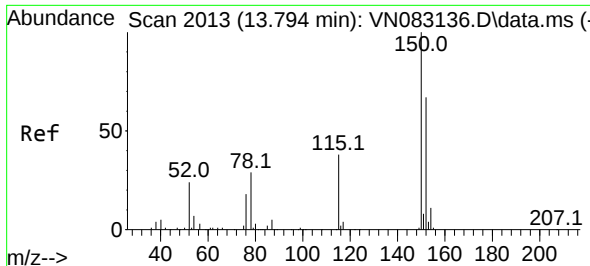
Tgt Ion:117 Resp: 285036
Ion Ratio Lower Upper
117 100
82 60.2 47.5 71.3
119 32.2 25.6 38.4



#71
Bromoform
Concen: 0.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

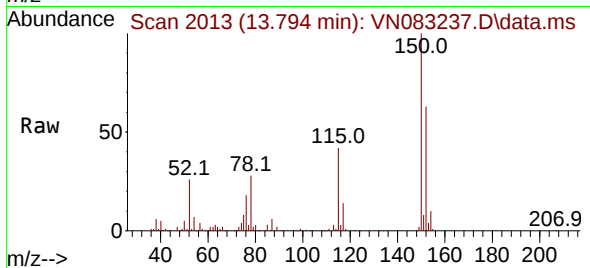
Tgt Ion:173 Resp: 719
Ion Ratio Lower Upper
173 100
175 818.5 24.0 72.0#
254 0.0 0.0 0.0



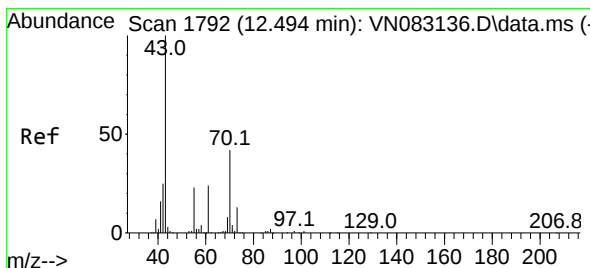
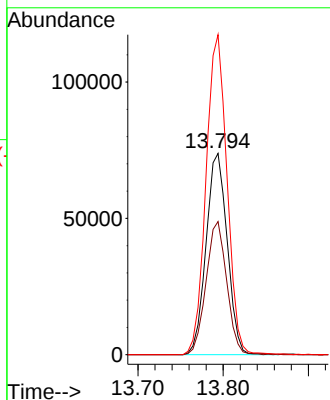
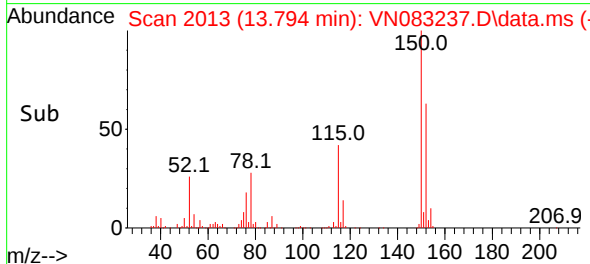


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

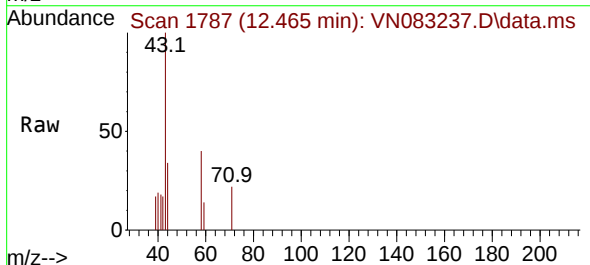
Instrument :
MSVOA_N
ClientSampleId :



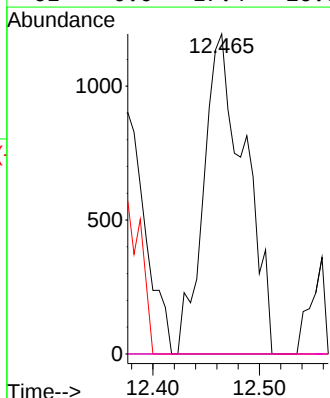
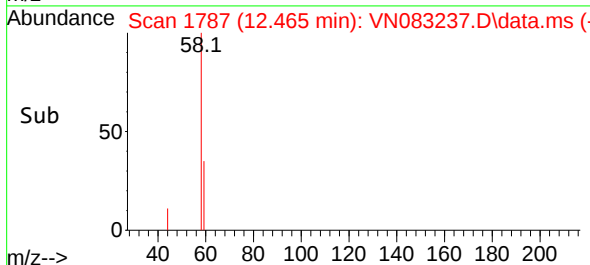
Tgt Ion:152 Resp: 127436
Ion Ratio Lower Upper
152 100
115 64.6 30.6 91.6
150 157.4 0.0 348.6

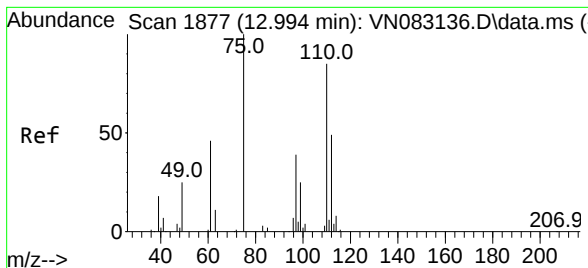


#74
N-ethyl acetate
Concen: 0.616 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.029 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59



Tgt Ion: 43 Resp: 3212
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#

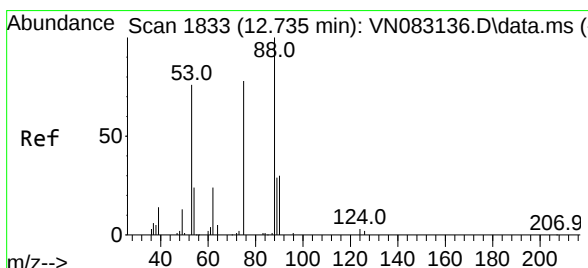
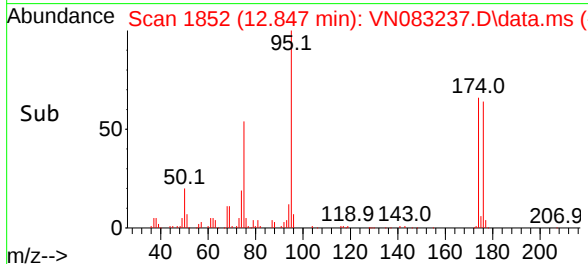
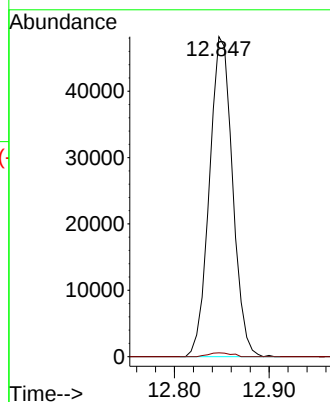
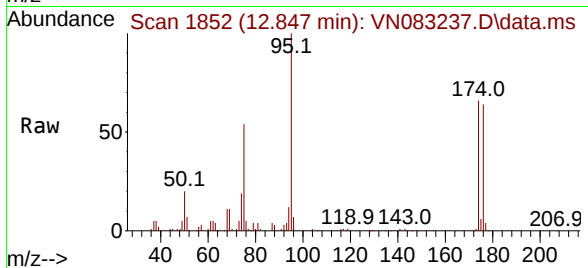




#76
1,2,3-Trichloropropane
Concen: 29.192 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 81648
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.500 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083237.D
Acq: 12 Aug 2024 14:59

Tgt Ion: 75 Resp: 81648
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

