

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083244.D
 Acq On : 12 Aug 2024 17:49
 Operator : JC\MD
 Sample : P3429-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:23:29 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

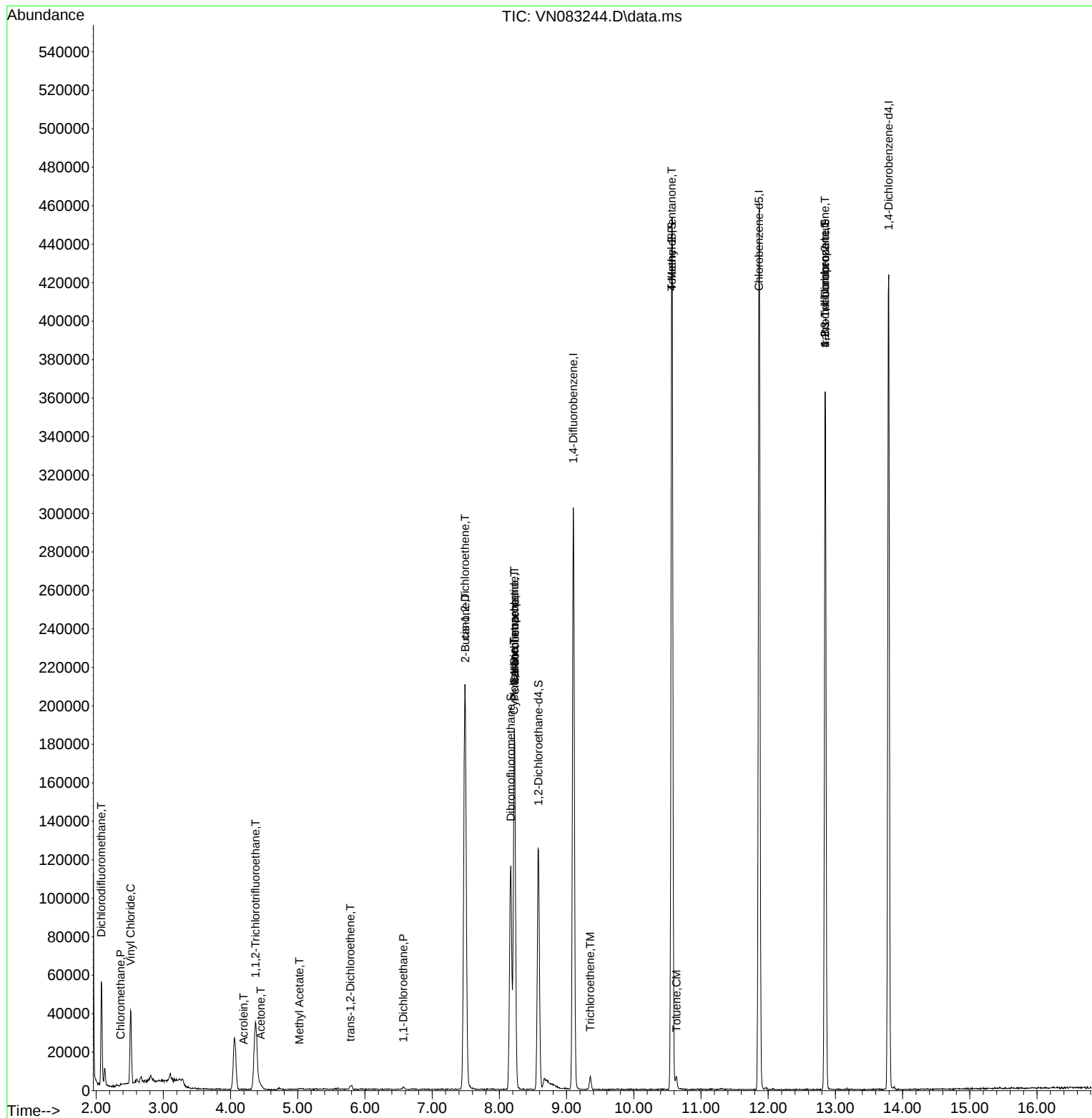
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	132573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	252049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107359	56.893	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.780%	
35) Dibromofluoromethane	8.171	113	83806	53.270	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.540%	
50) Toluene-d8	10.565	98	314255	53.549	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.100%	
62) 4-Bromofluorobenzene	12.847	95	128801	56.297	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 112.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.077	85	6484	4.313	ug/l	80
3) Chloromethane	2.365	50	453	0.294	ug/l #	75
4) Vinyl Chloride	2.512	62	36262	23.089	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	24806	17.341	ug/l	97
13) Acrolein	4.195	56	60	0.235	ug/l #	78
16) Acetone	4.447	43	7480	10.130	ug/l #	88
18) Methyl Acetate	5.024	43	942	0.428	ug/l #	56
21) trans-1,2-Dichloroethene	5.783	96	1521	1.001	ug/l #	78
24) 1,1-Dichloroethane	6.571	63	1990	0.699	ug/l #	83
25) 2-Butanone	7.494	43	792	0.699	ug/l #	1
27) cis-1,2-Dichloroethene	7.488	96	126110	68.805	ug/l	83
31) Cyclohexane	8.218	56	3346	1.197	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11345	4.767	ug/l #	51
38) Carbon Tetrachloride	8.224	117	14848	5.539	ug/l #	17
43) Isopropyl Acetate	8.677	43	3850	Below Cal	#	60
44) Trichloroethene	9.353	130	2389	1.416	ug/l	98
51) 4-Methyl-2-Pentanone	10.565	43	1690	0.671	ug/l #	1
52) Toluene	10.635	92	2848	0.636	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	70567	28.934	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70567	62.939	ug/l #	6

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

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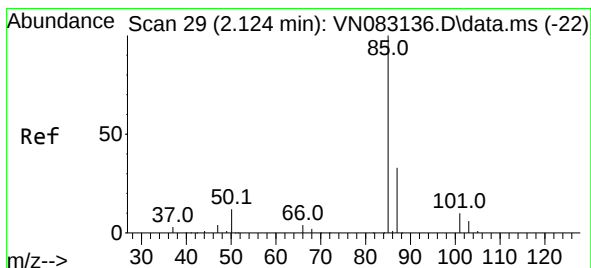
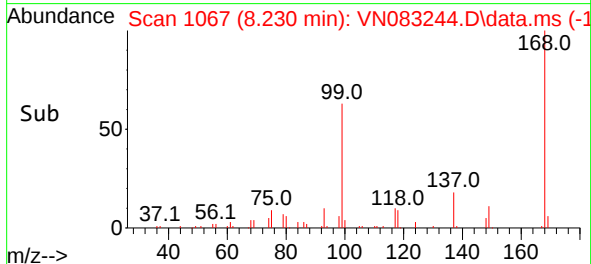
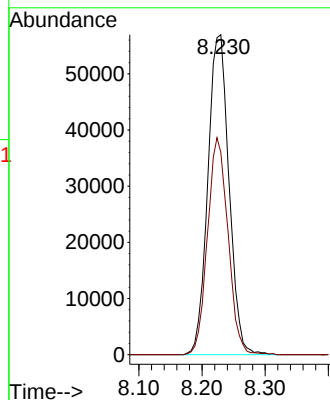
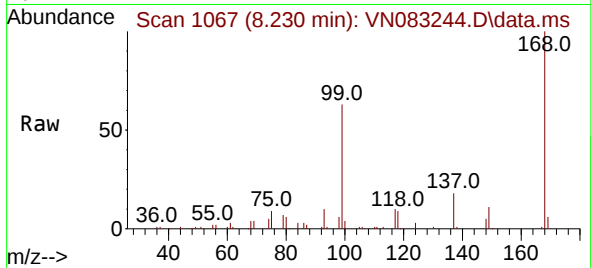




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

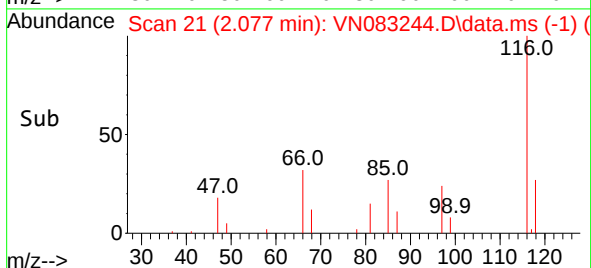
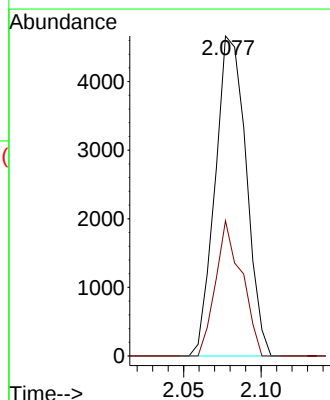
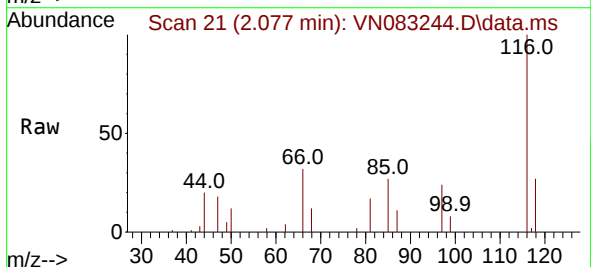
Instrument :
MSVOA_N
ClientSampleId :

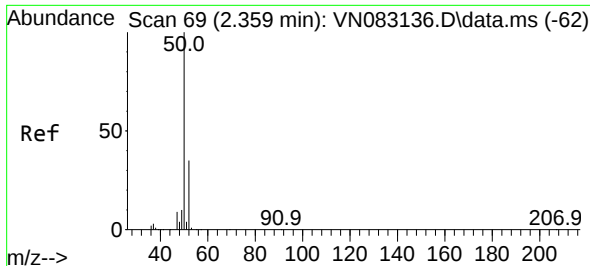
Tgt Ion:168 Resp: 132573
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 4.313 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.047 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 85 Resp: 6484
Ion Ratio Lower Upper
85 100
87 42.3 15.7 47.0

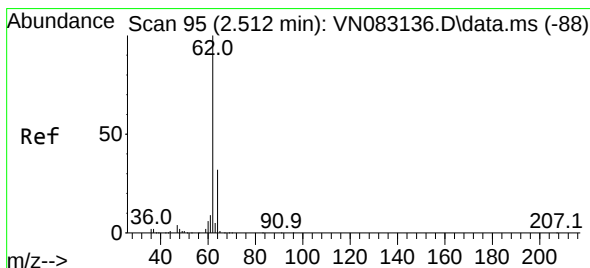
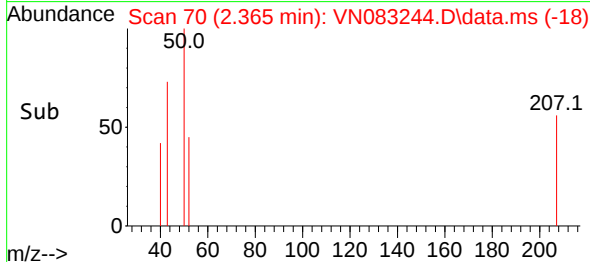
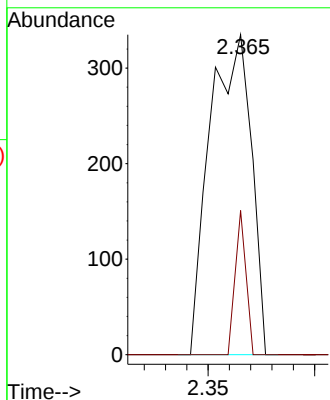
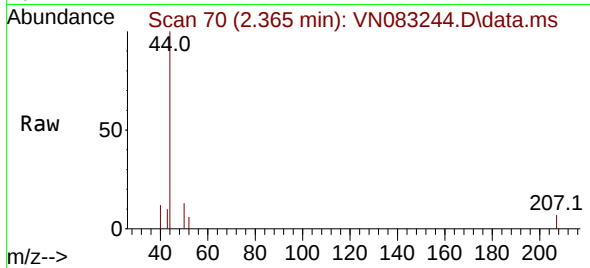




#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

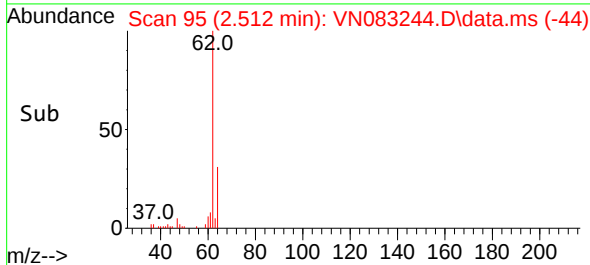
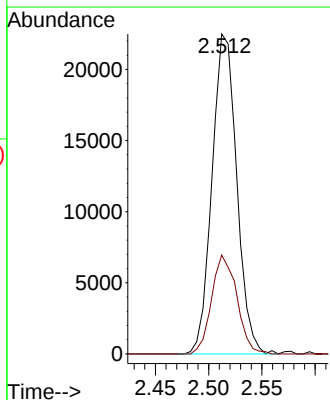
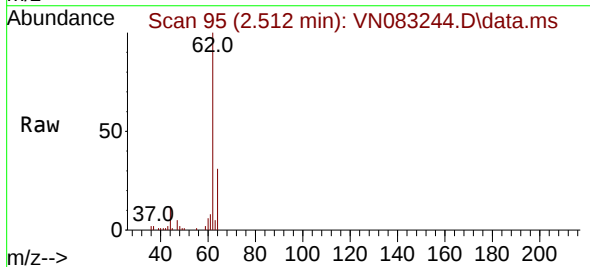
Instrument :
MSVOA_N
ClientSampleId :

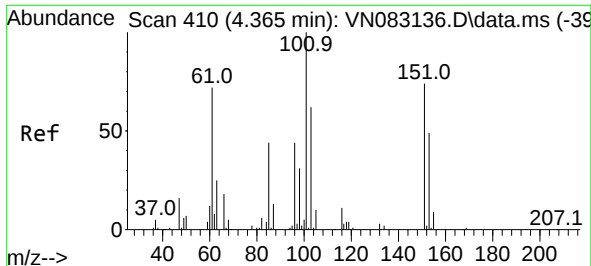
Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 45.1 25.0 37.4#



#4
Vinyl Chloride
Concen: 23.089 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 62 Resp: 36262
Ion Ratio Lower Upper
62 100
64 30.9 25.0 37.6

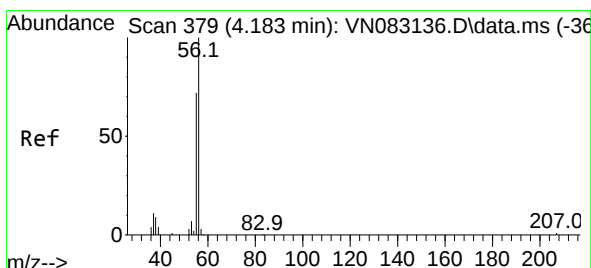
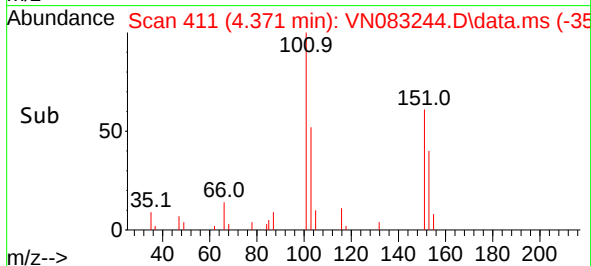
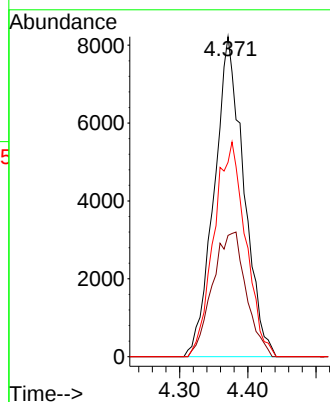
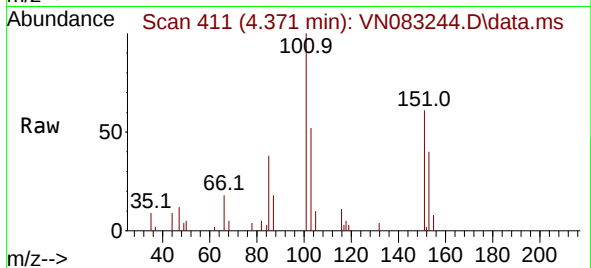




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.341 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

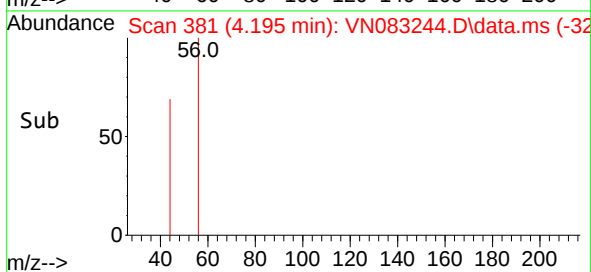
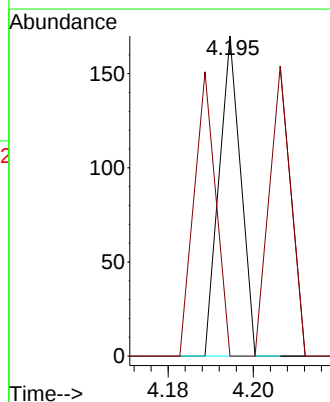
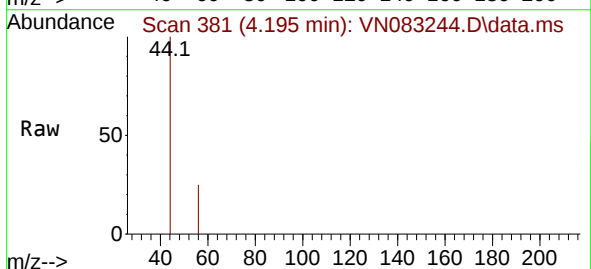
Instrument :
MSVOA_N
ClientSampleId :

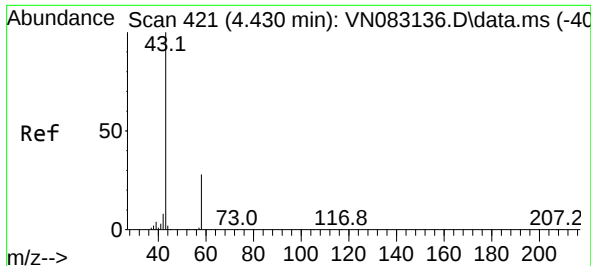
Tgt Ion:101 Resp: 24806
Ion Ratio Lower Upper
101 100
85 44.2 38.3 57.5
151 72.2 59.3 88.9



#13
Acrolein
Concen: 0.235 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

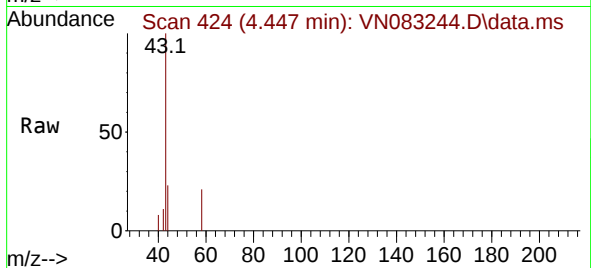
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 88.3 56.4 84.6#



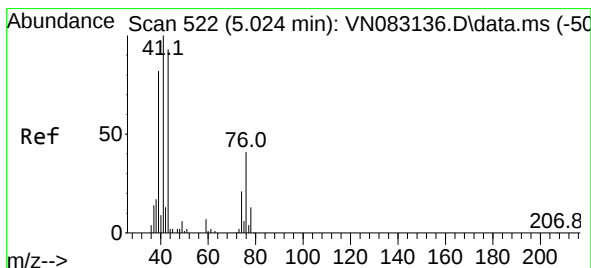
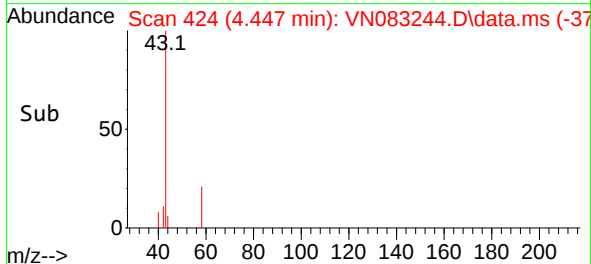
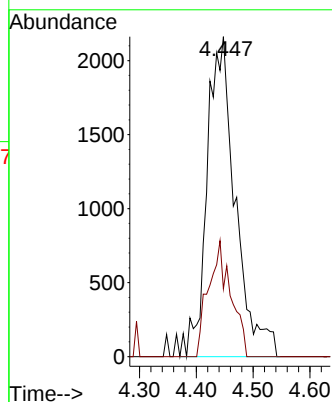


#16
Acetone
Concen: 10.130 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

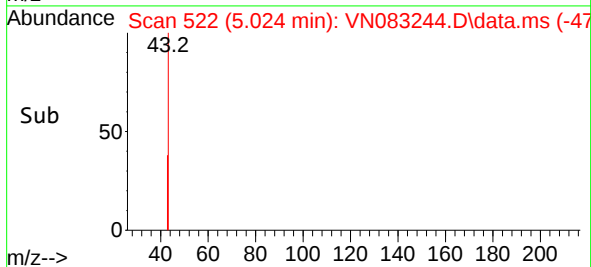
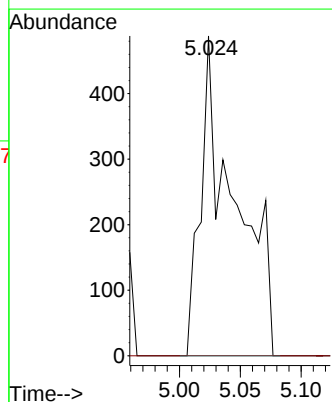
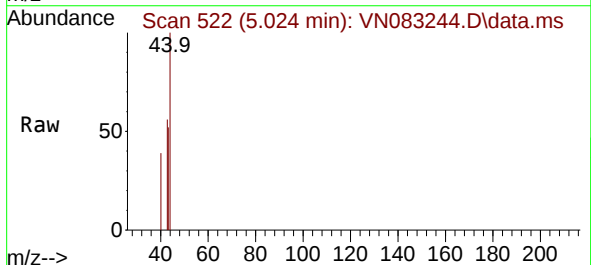


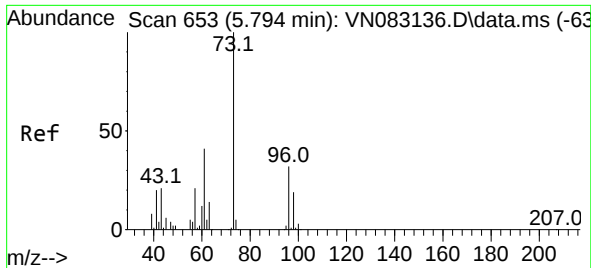
Tgt Ion: 43 Resp: 7480
Ion Ratio Lower Upper
43 100
58 21.2 21.8 32.6#



#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

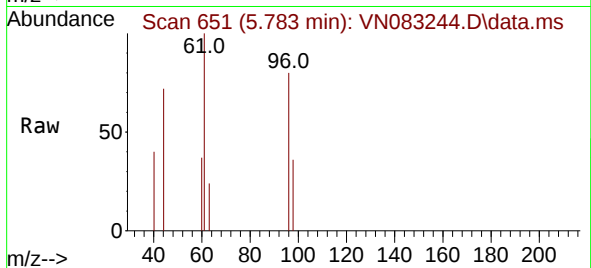
Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



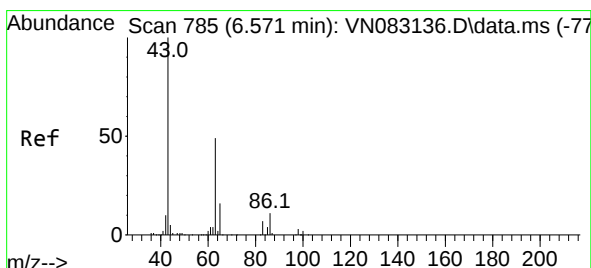
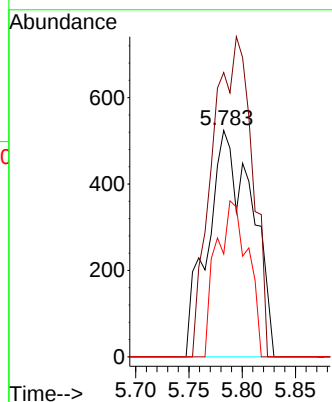
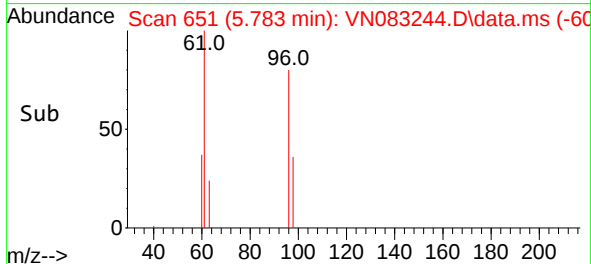


#21
trans-1,2-Dichloroethene
Concen: 1.001 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

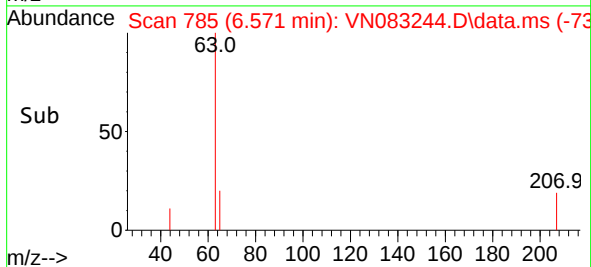
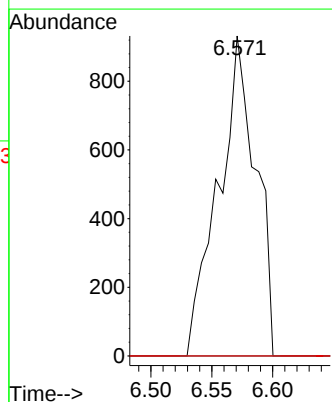
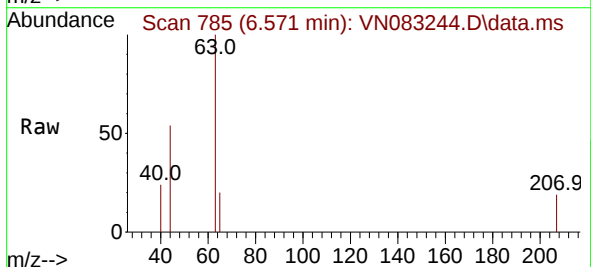


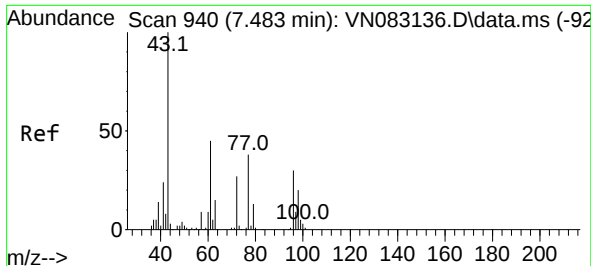
Tgt Ion: 96 Resp: 1521
Ion Ratio Lower Upper
96 100
61 125.6 123.4 185.2
98 45.4 49.3 73.9#



#24
1,1-Dichloroethane
Concen: 0.699 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 63 Resp: 1990
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.0 6.0#

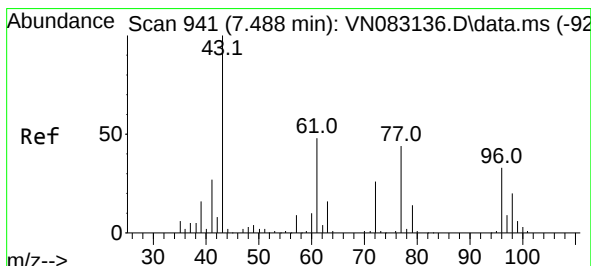
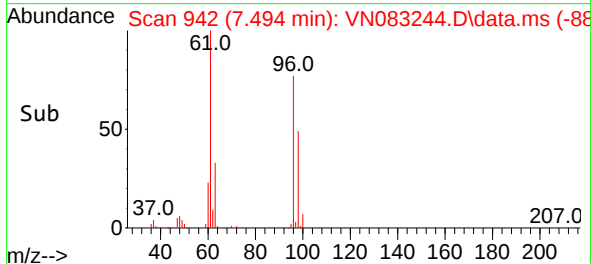
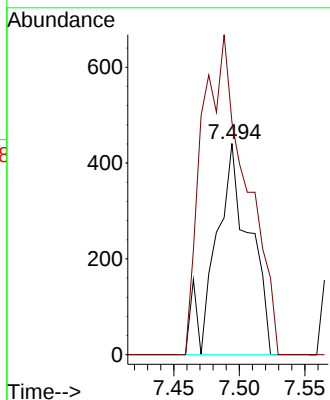
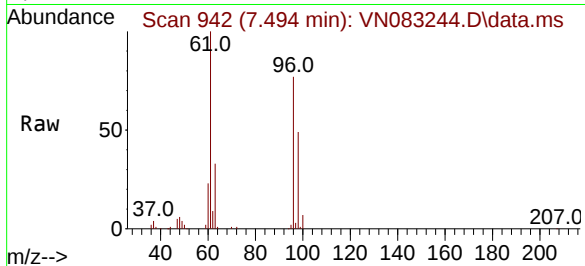




#25
2-Butanone
Concen: 0.699 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

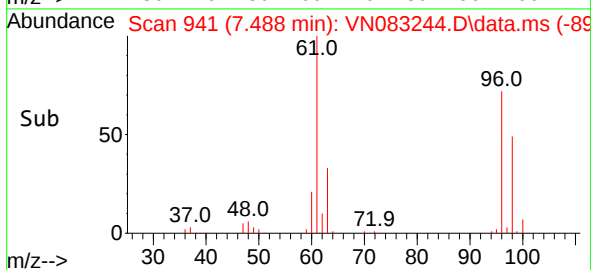
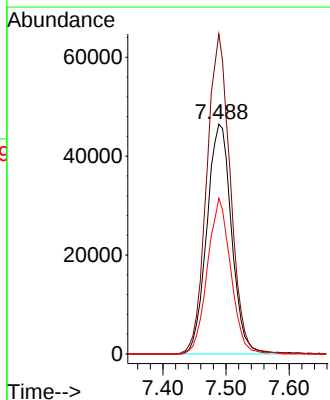
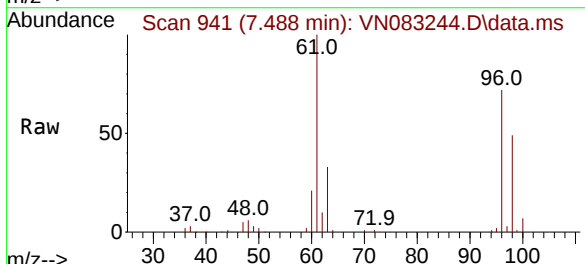
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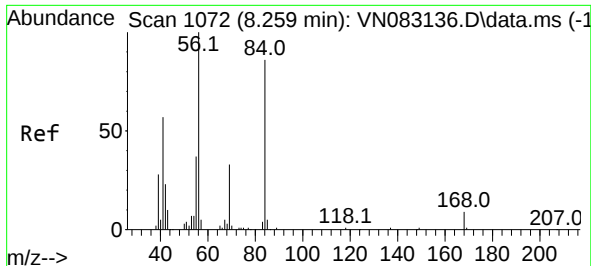
Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
72 110.0 18.2 27.2#



#27
cis-1,2-Dichloroethene
Concen: 68.805 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

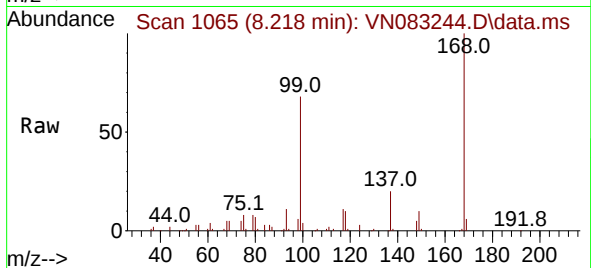
Tgt Ion: 96 Resp: 126110
Ion Ratio Lower Upper
96 100
61 133.1 0.0 329.6
98 63.8 0.0 128.6



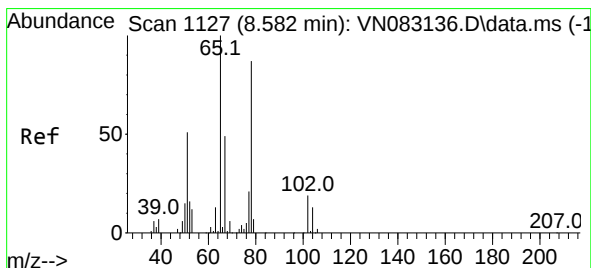
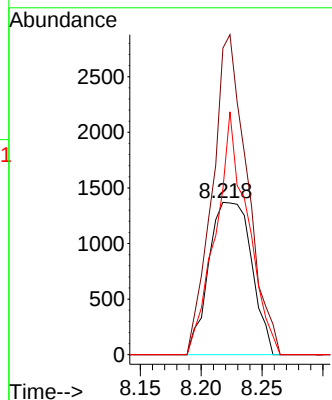
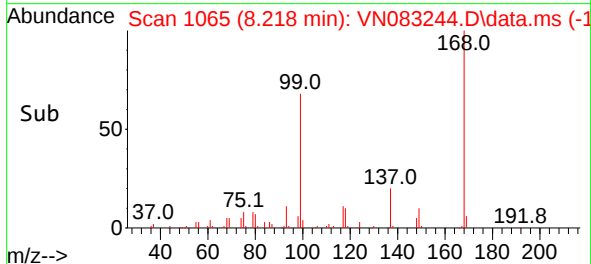


#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

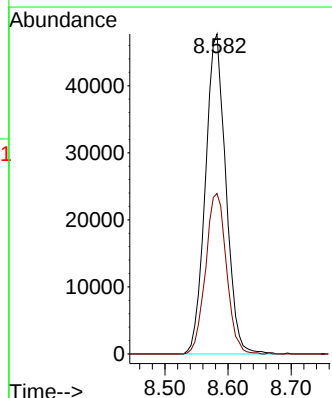
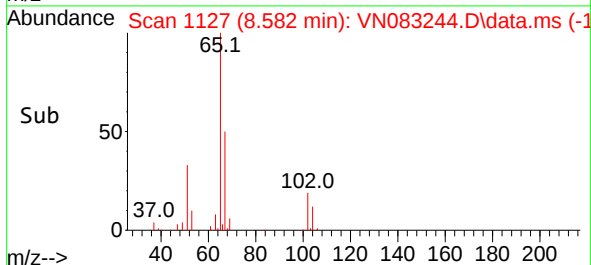
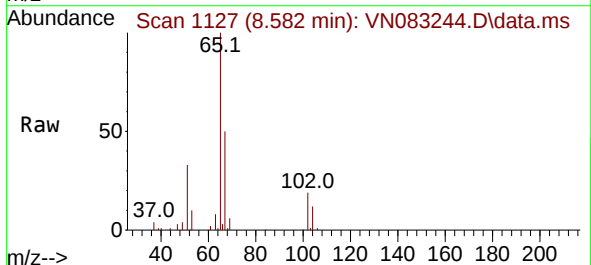


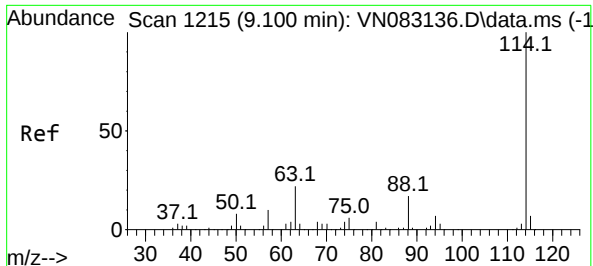
Tgt Ion: 56 Resp: 3346
Ion Ratio Lower Upper
56 100
69 201.2 24.5 36.7#
84 108.6 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 56.893 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

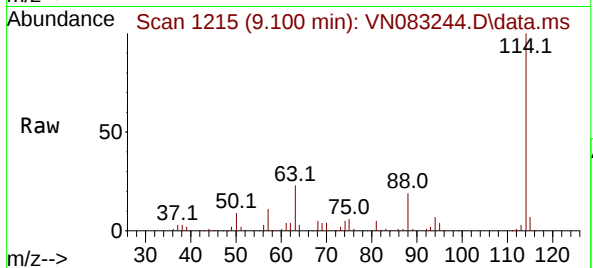
Tgt Ion: 65 Resp: 107359
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.4



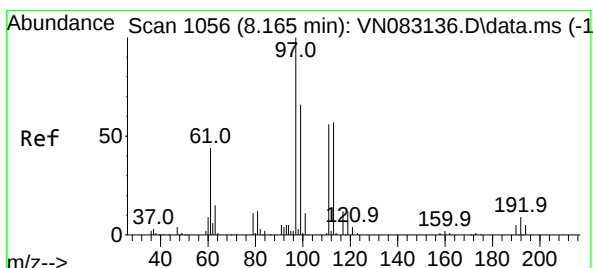
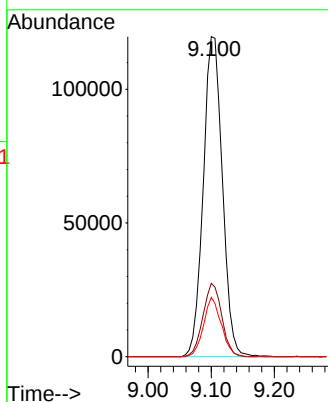
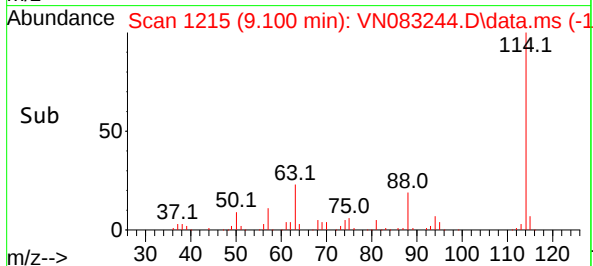


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

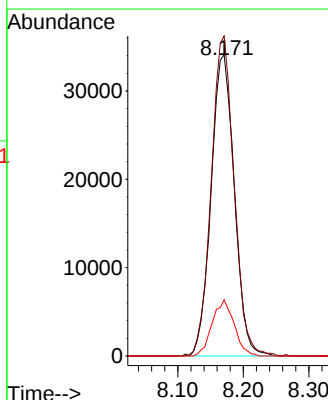
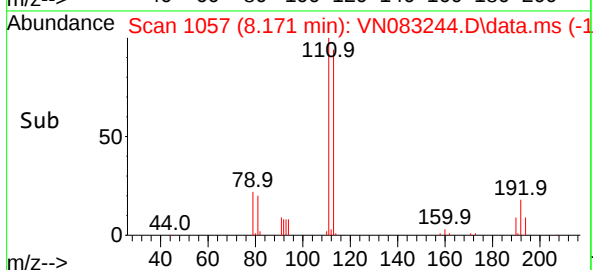
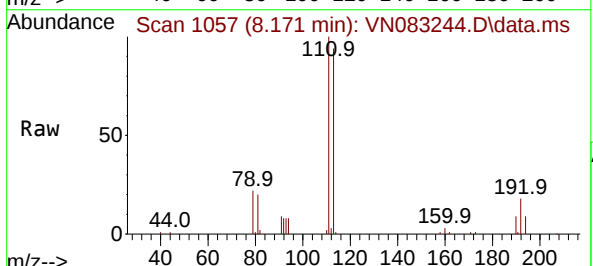


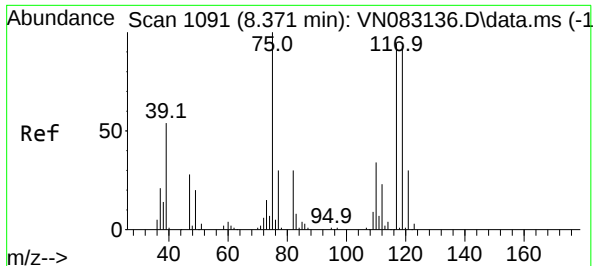
Tgt Ion:114 Resp: 252049
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.6
88 18.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 53.270 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion:113 Resp: 83806
Ion Ratio Lower Upper
113 100
111 104.2 82.4 123.6
192 17.6 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

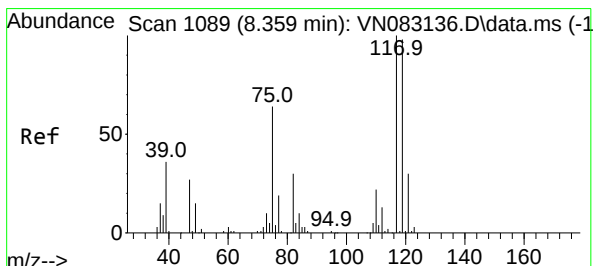
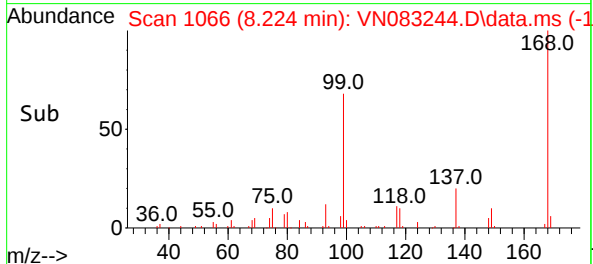
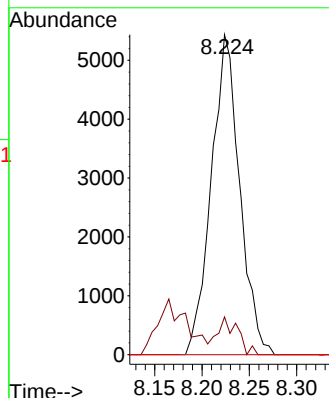
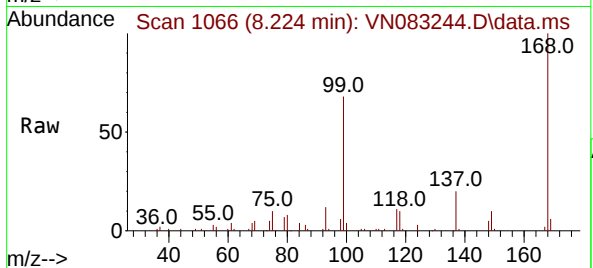
Tgt Ion: 75 Resp: 11345

Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.539 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

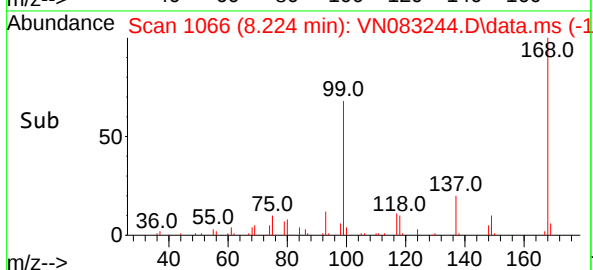
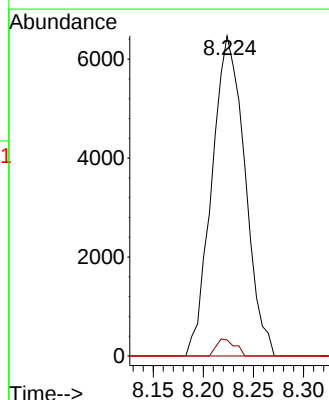
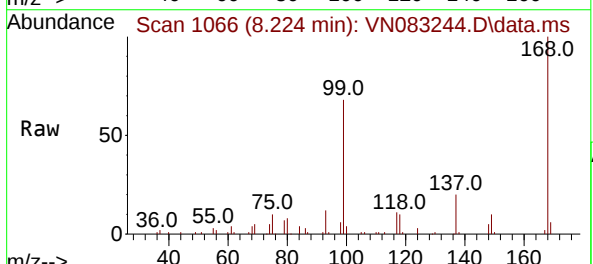
Tgt Ion: 117 Resp: 14848

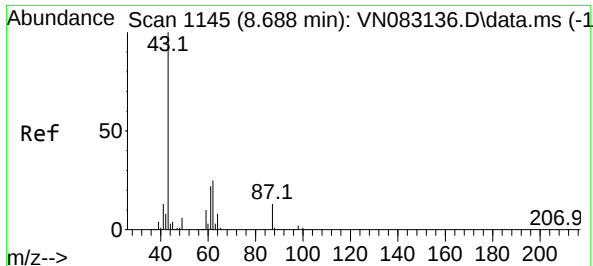
Ion Ratio Lower Upper

117 100

119 5.0 74.9 112.3#

121 0.0 24.3 36.5#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.677 min Scan# 1143

Delta R.T. -0.011 min

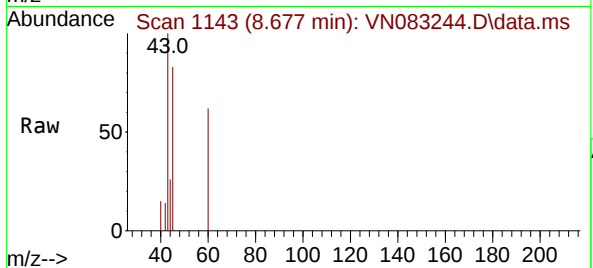
Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

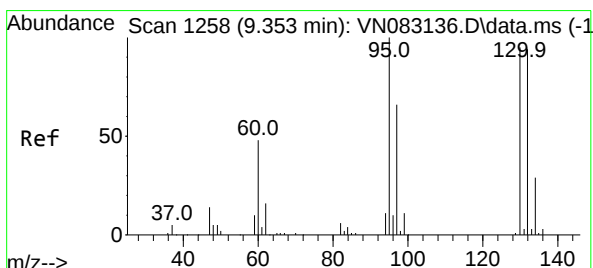
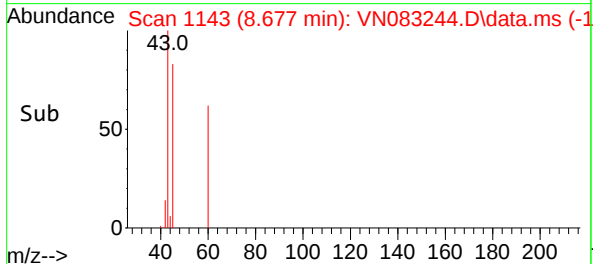
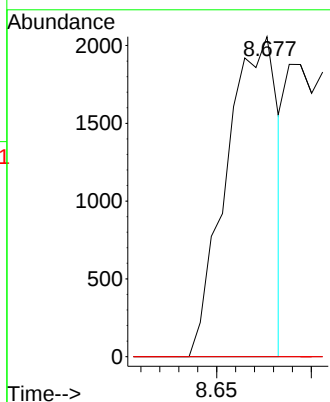
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3850
Ion	Ratio	Lower Upper
43	100	
61	0.0	17.8 26.6#
87	0.0	8.2 12.2#



#44

Trichloroethene

Concen: 1.416 ug/l

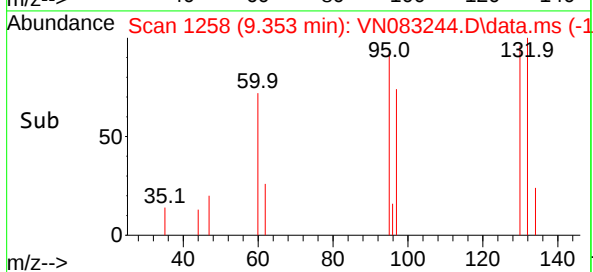
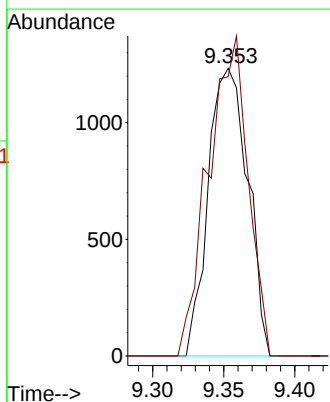
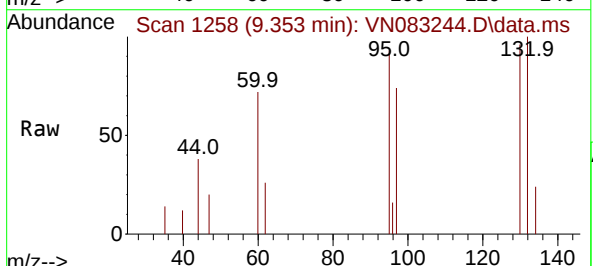
RT: 9.353 min Scan# 1258

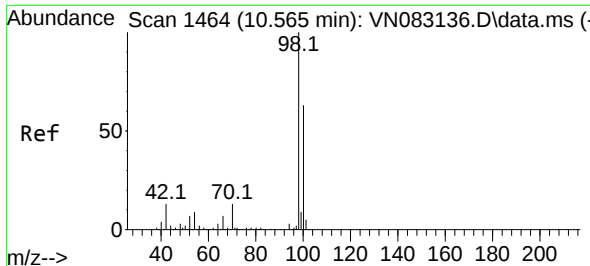
Delta R.T. 0.000 min

Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

Tgt Ion: 130	Resp:	2389
Ion	Ratio	Lower Upper
130	100	
95	97.1	0.0 197.8

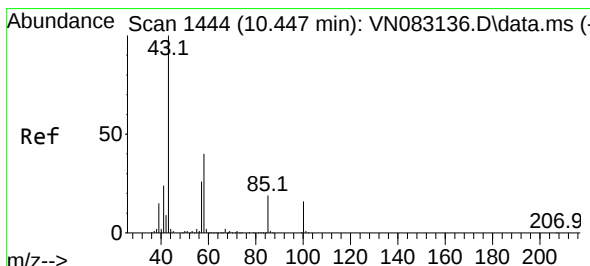
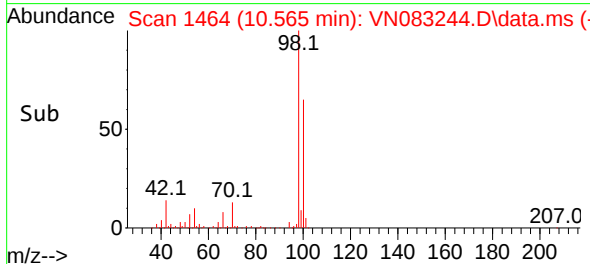
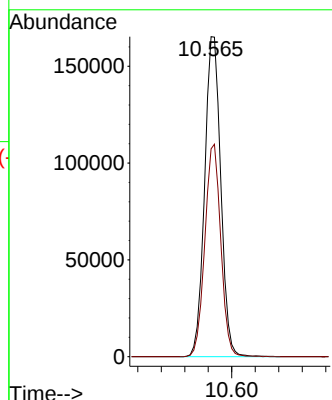
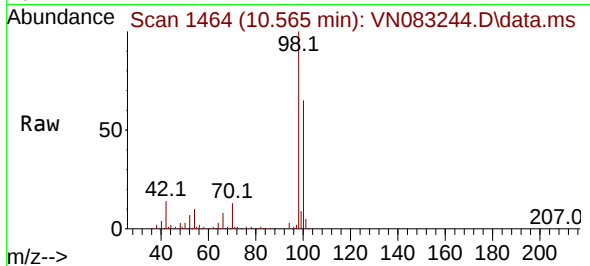




#50
Toluene-d8
Concen: 53.549 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

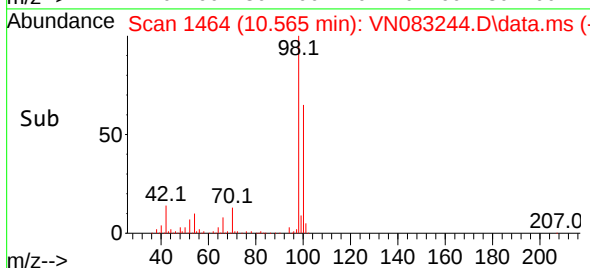
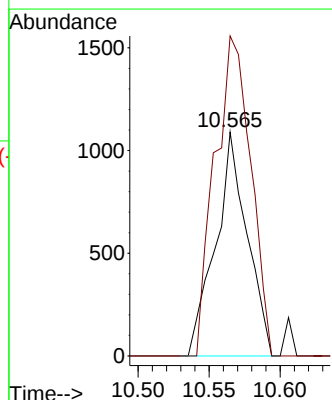
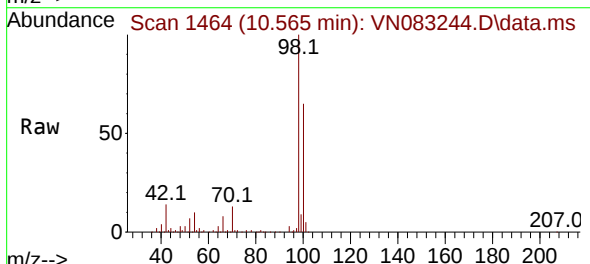
Instrument :
MSVOA_N
ClientSampleId :

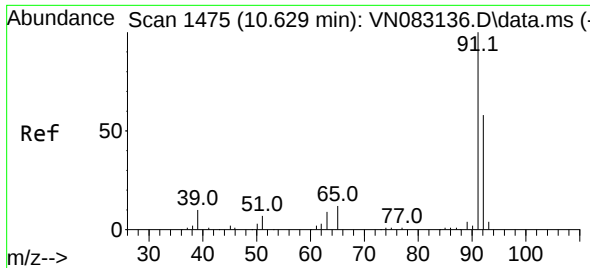
Tgt Ion: 98 Resp: 314255
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.671 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
58 162.3 28.2 42.4#

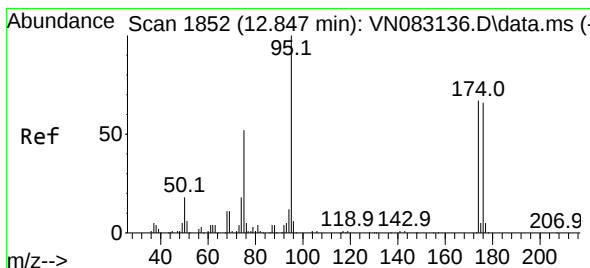
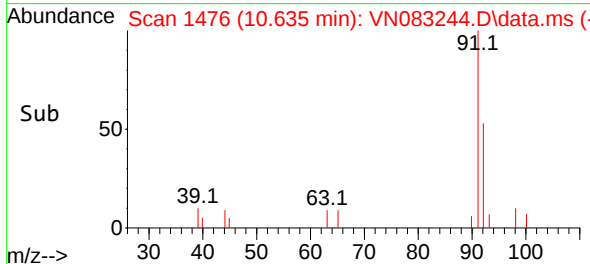
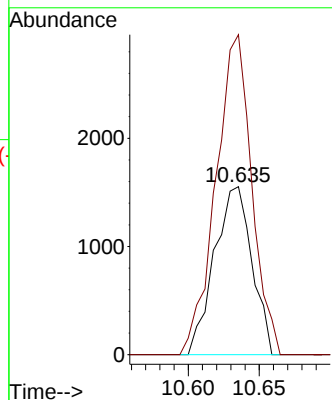
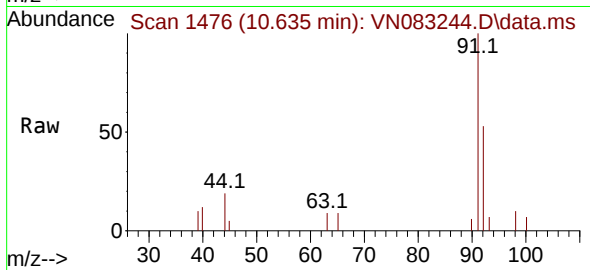




#52
Toluene
Concen: 0.636 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

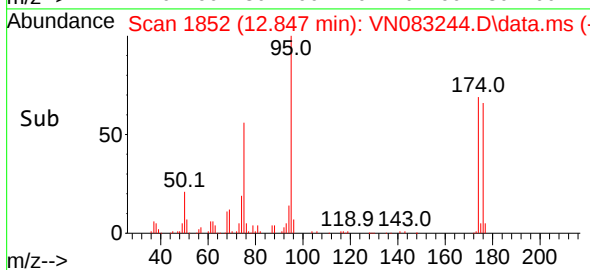
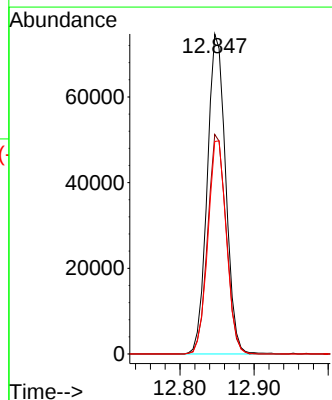
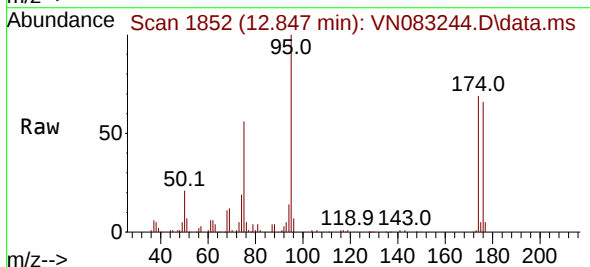
Instrument :
MSVOA_N
ClientSampleId :

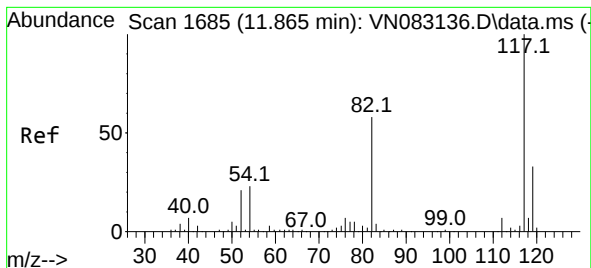
Tgt Ion: 92 Resp: 2848
Ion Ratio Lower Upper
92 100
91 182.7 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 56.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 95 Resp: 128801
Ion Ratio Lower Upper
95 100
174 68.9 0.0 159.2
176 67.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

Instrument :

MSVOA_N

ClientSampleId :

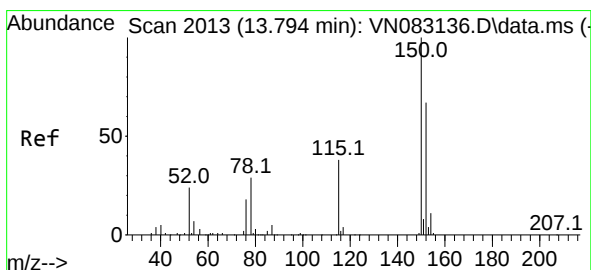
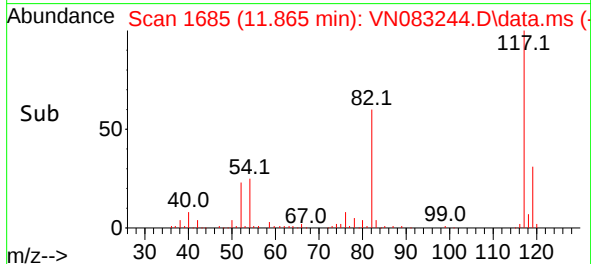
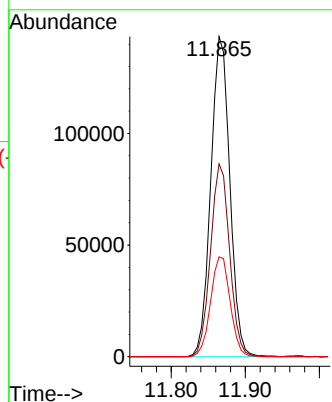
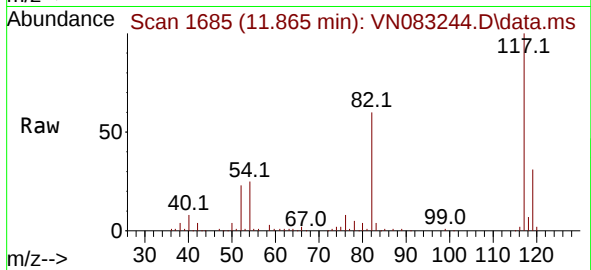
Tgt Ion:117 Resp: 255948

Ion Ratio Lower Upper

117 100

82 60.2 47.5 71.3

119 31.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083244.D

Acq: 12 Aug 2024 17:49

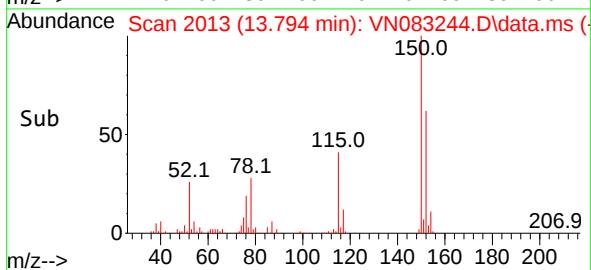
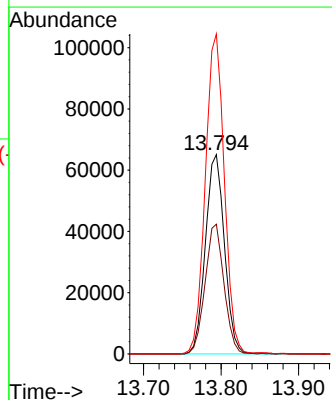
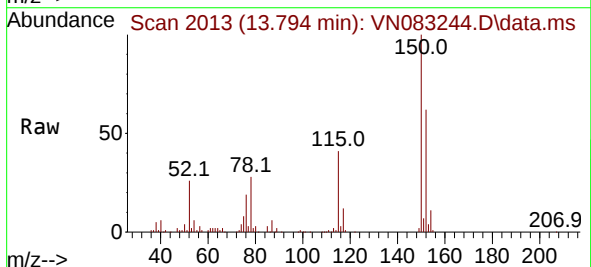
Tgt Ion:152 Resp: 111123

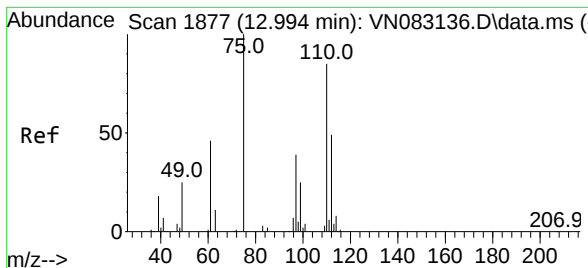
Ion Ratio Lower Upper

152 100

115 64.6 30.6 91.6

150 159.8 0.0 348.6

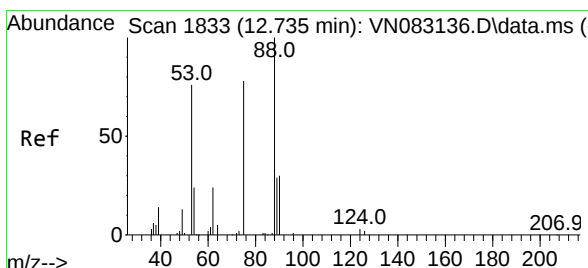
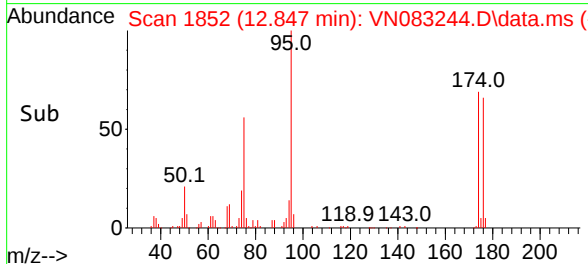
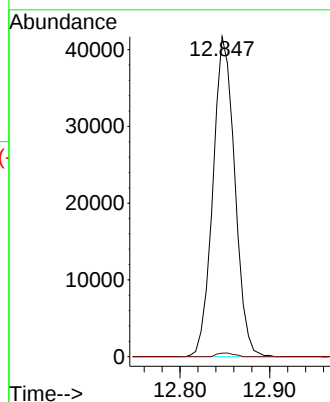
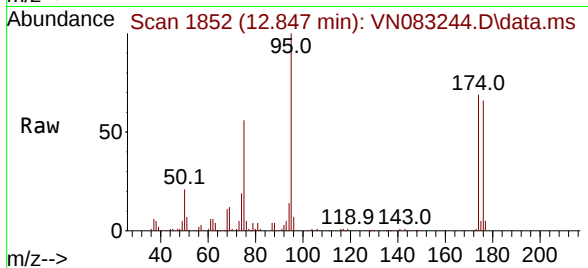




#76
1,2,3-Trichloropropane
Concen: 28.934 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70567
Ion Ratio Lower Upper
75 100
77 0.9 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.939 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083244.D
Acq: 12 Aug 2024 17:49

Tgt Ion: 75 Resp: 70567
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

