

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083781.D
 Acq On : 11 Sep 2024 08:50
 Operator : JC\MD
 Sample : PB163204ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 09:17:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

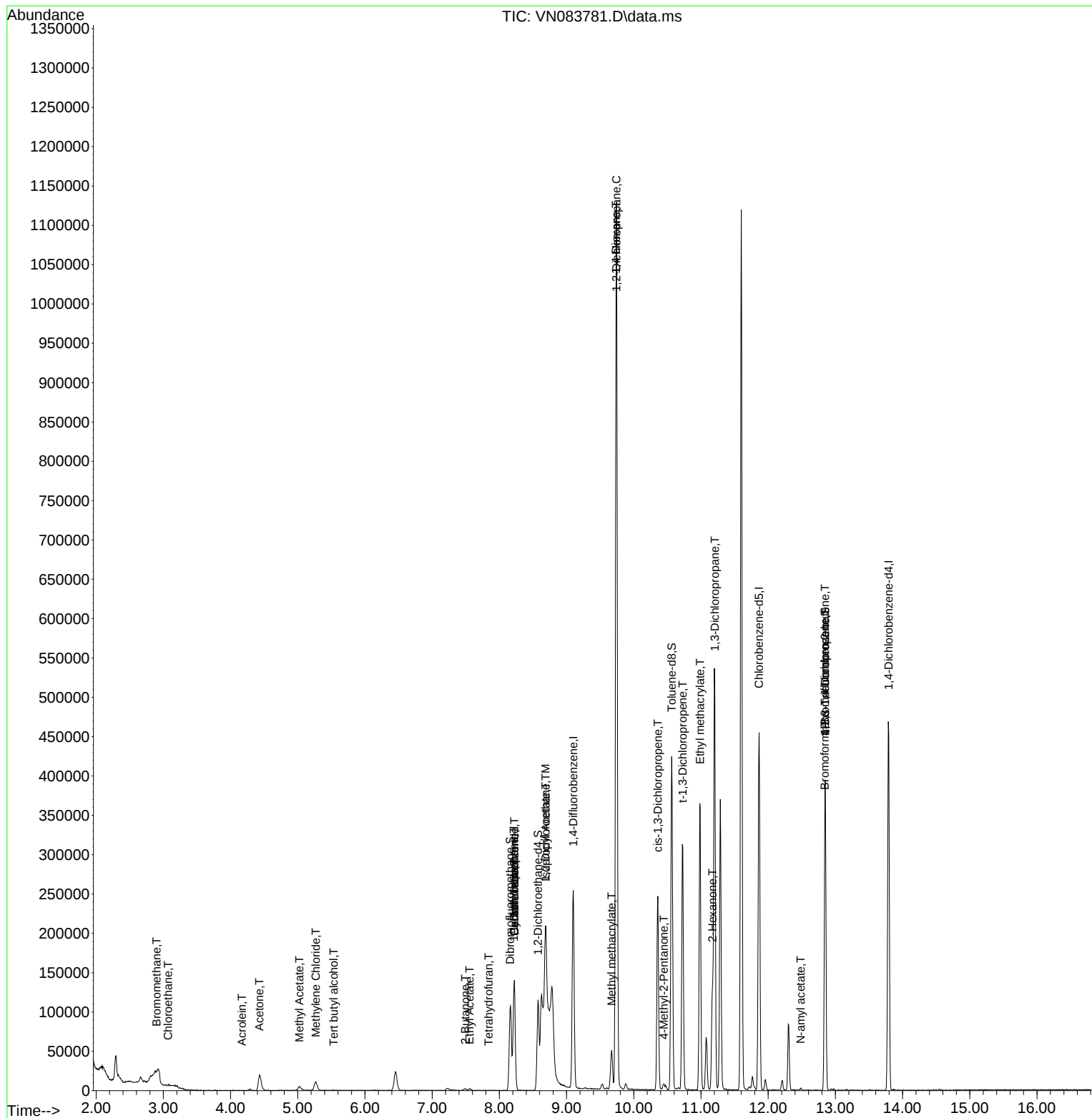
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

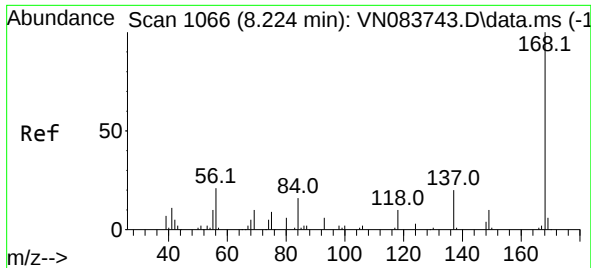
Internal Standards						
1) Pentafluorobenzene	8.224	168	92087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	206134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96719	69.655	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 139.320%#			
35) Dibromofluoromethane	8.159	113	76439	57.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.840%			
50) Toluene-d8	10.565	98	278877	61.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 122.260%#			
62) 4-Bromofluorobenzene	12.847	95	135127	71.792	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 143.580%#			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	502	Below Cal	#	41
5) Bromomethane	2.901	94	199	0.296	ug/l #	79
6) Chloroethane	3.071	64	603	0.741	ug/l #	45
11) Tert butyl alcohol	5.536	59	218	1.172	ug/l #	71
13) Acrolein	4.171	56	56	0.305	ug/l #	13
16) Acetone	4.430	43	36477	65.532	ug/l	94
18) Methyl Acetate	5.024	43	9734	6.789	ug/l	94
20) Methylene Chloride	5.271	84	7726	6.783	ug/l #	82
25) 2-Butanone	7.494	43	4393	6.005	ug/l	99
29) Tetrahydrofuran	7.841	42	127	0.294	ug/l #	32
31) Cyclohexane	8.224	56	2387	1.189	ug/l #	39
36) 1,1-Dichloropropene	8.218	75	8891	4.476	ug/l #	50
37) Ethyl Acetate	7.559	43	3158	1.752	ug/l #	81
38) Carbon Tetrachloride	8.224	117	10604	4.706	ug/l #	12
42) 1,2-Dichloroethane	8.688	62	1446	0.647	ug/l #	77
43) Isopropyl Acetate	8.688	43	179097	54.817	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1251	0.866	ug/l #	42
48) Methyl methacrylate	9.671	41	3697	2.385	ug/l #	44
49) 1,4-Dioxane	9.735	88	54	2.118	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9135	5.136	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	635	0.286	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	43361	18.593	ug/l #	65
56) Ethyl methacrylate	10.988	69	1218	0.580	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5264	2.244	ug/l #	42
59) 2-Hexanone	11.171	43	108822	82.718	ug/l #	24
71) Bromoform	12.841	173	466	0.364	ug/l #	1
74) N-amyl acetate	12.482	43	1009	0.256	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	75343	31.292	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75343	81.955	ug/l #	9

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

Instrument :
MSVOA_N
ClientSampleId :

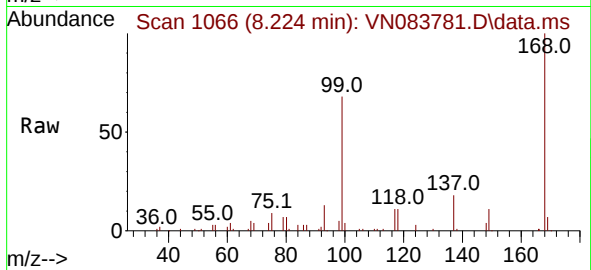
Instrument :
MSVOA_N
ClientSampleId :



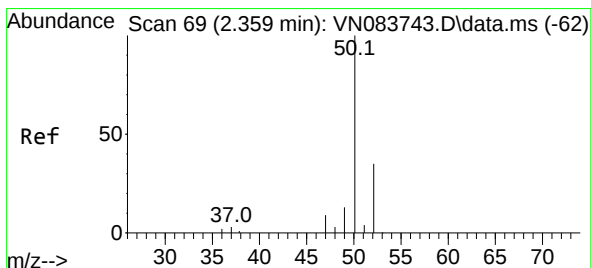
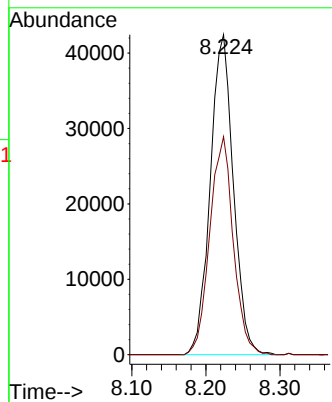
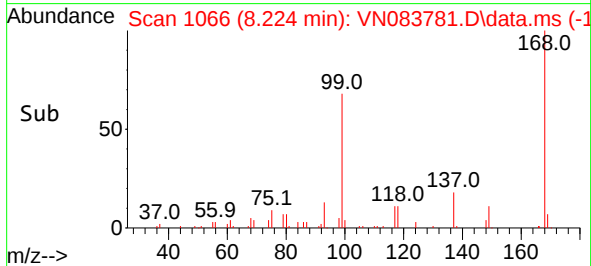


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Instrument :
MSVOA_N
ClientSampleId :

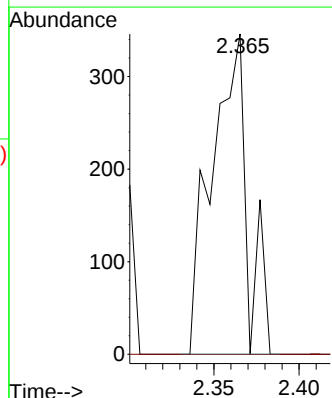
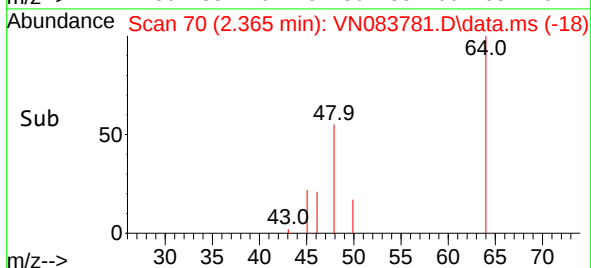
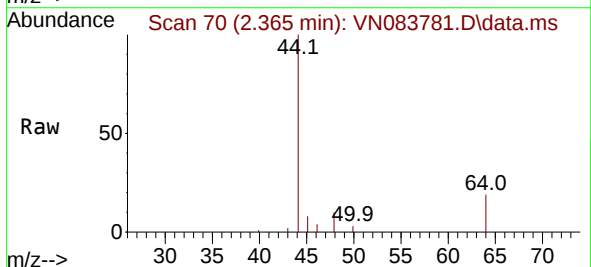


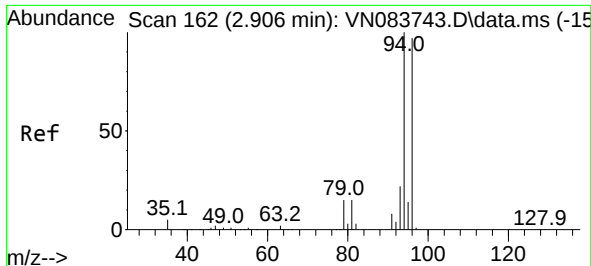
Tgt Ion:168 Resp: 92087
Ion Ratio Lower Upper
168 100
99 68.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 50 Resp: 502
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

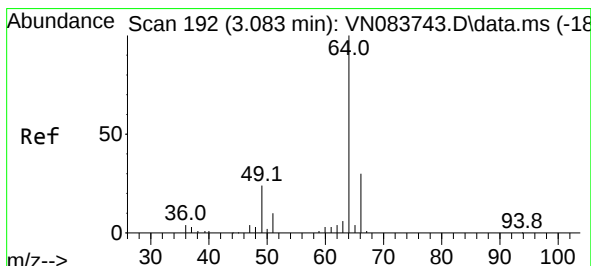
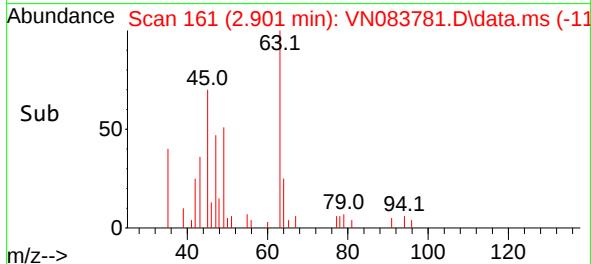
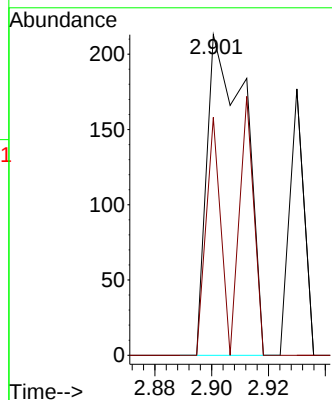
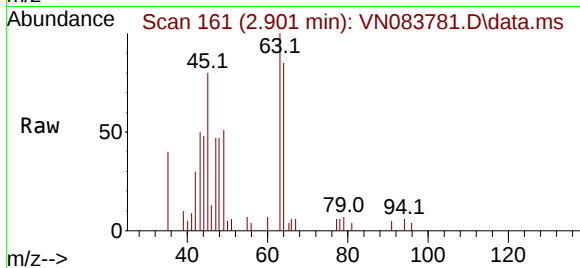




#5
Bromomethane
Concen: 0.296 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

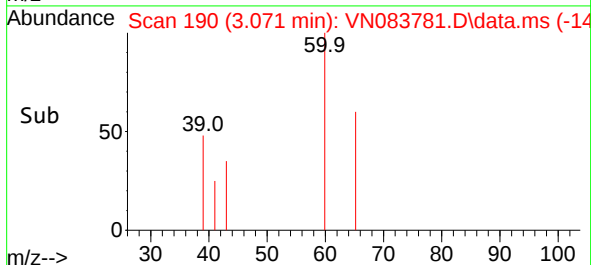
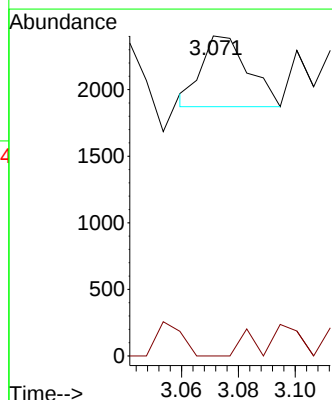
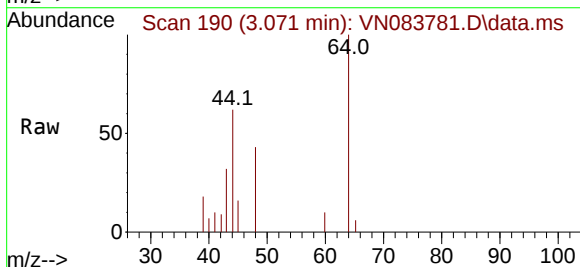
Instrument :
MSVOA_N
ClientSampleId :

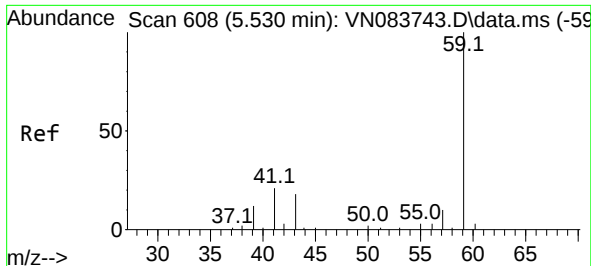
Tgt Ion: 94 Resp: 199
Ion Ratio Lower Upper
94 100
96 74.2 76.0 114.0#



#6
Chloroethane
Concen: 0.741 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.012 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

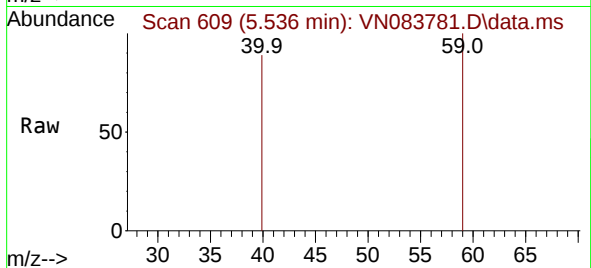
Tgt Ion: 64 Resp: 603
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



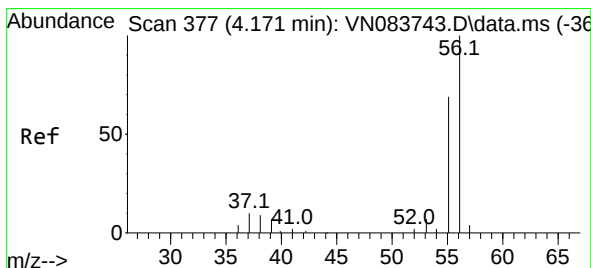
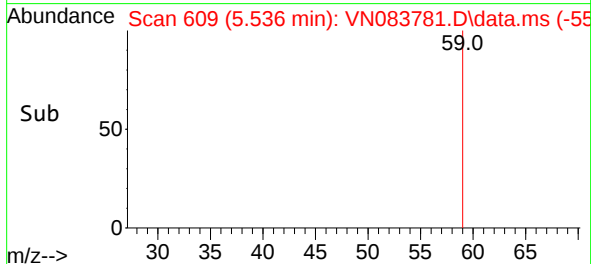
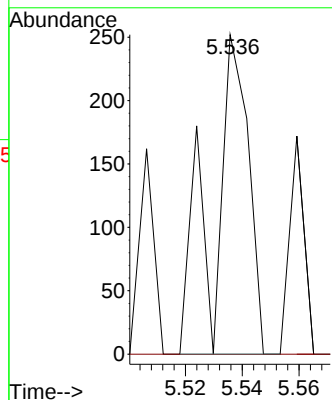


#11
Tert butyl alcohol
Concen: 1.172 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Instrument :
MSVOA_N
ClientSampleId :

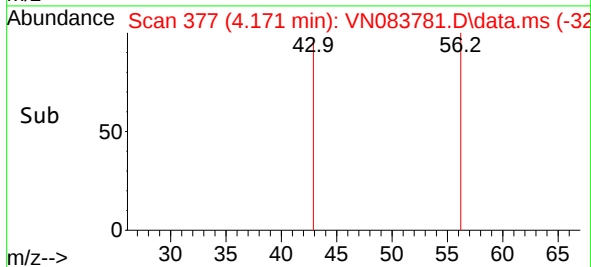
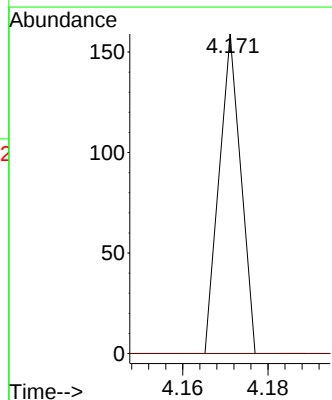
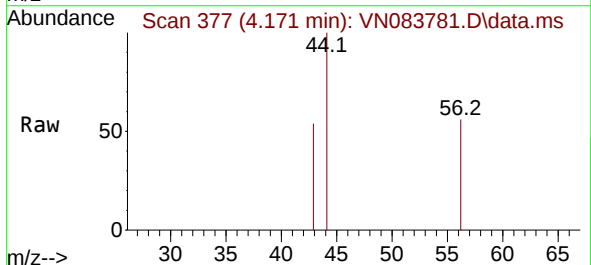


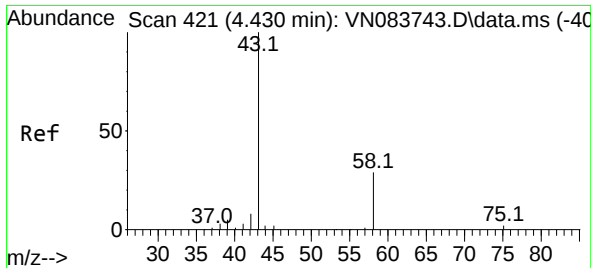
Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.305 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#

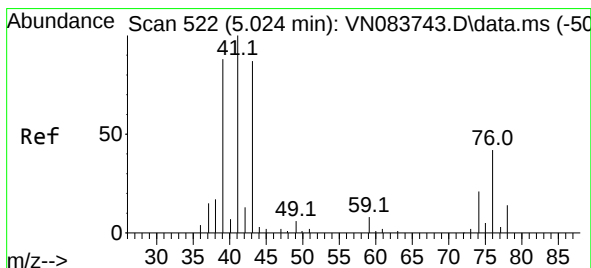
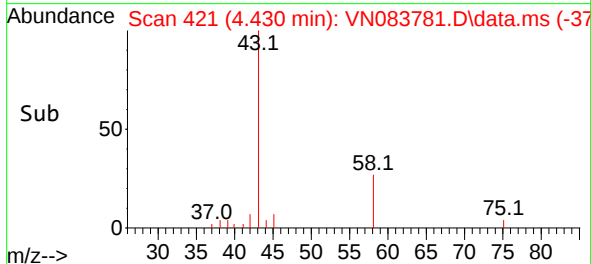
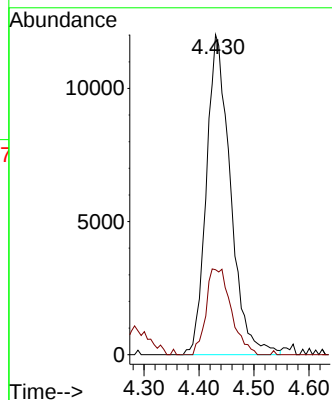
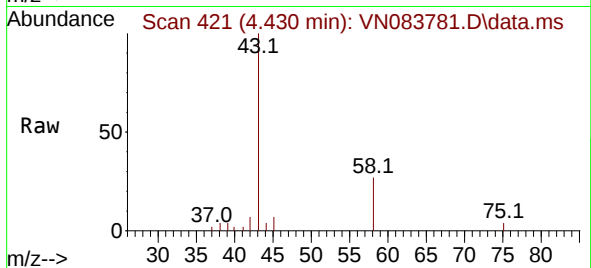




#16
Acetone
Concen: 65.532 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

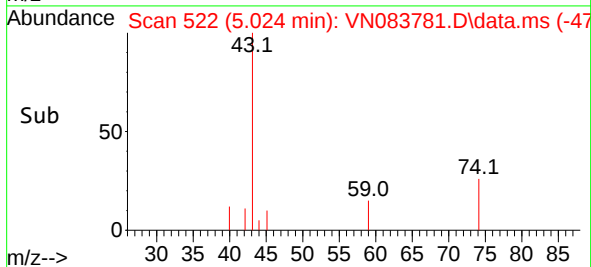
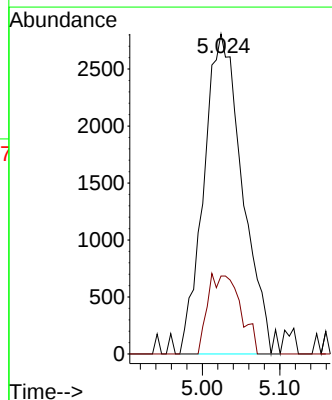
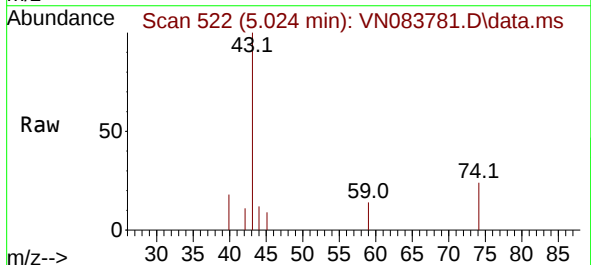
Instrument :
MSVOA_N
ClientSampleId :

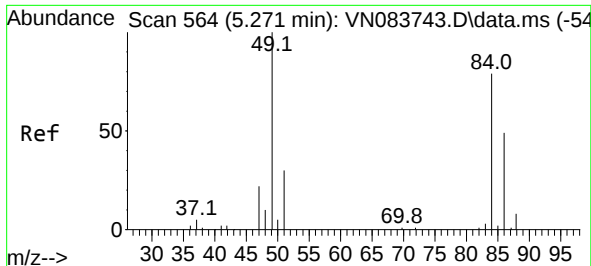
Tgt Ion: 43 Resp: 36477
Ion Ratio Lower Upper
43 100
58 26.5 23.7 35.5



#18
Methyl Acetate
Concen: 6.789 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

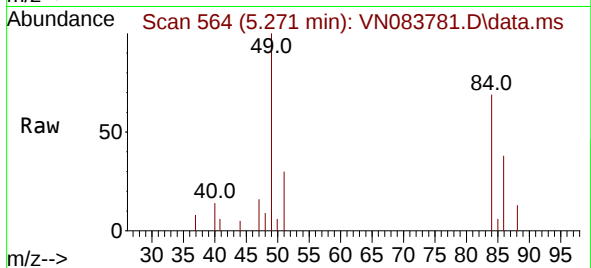
Tgt Ion: 43 Resp: 9734
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.4



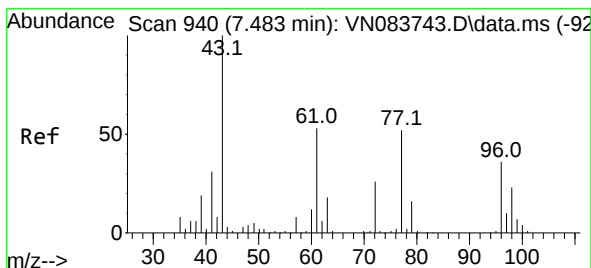
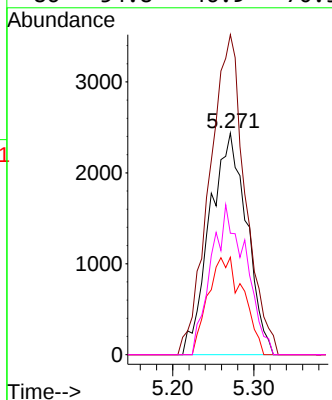
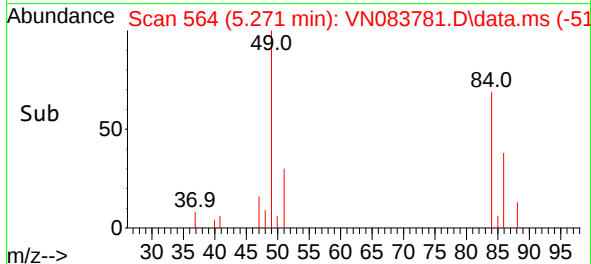


#20
Methylene Chloride
Concen: 6.783 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Instrument :
MSVOA_N
ClientSampleId :

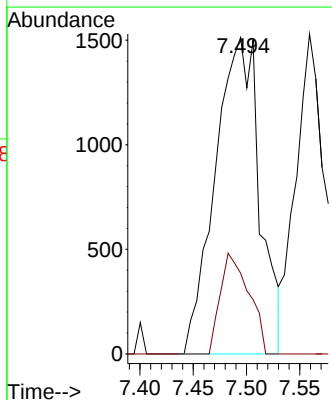
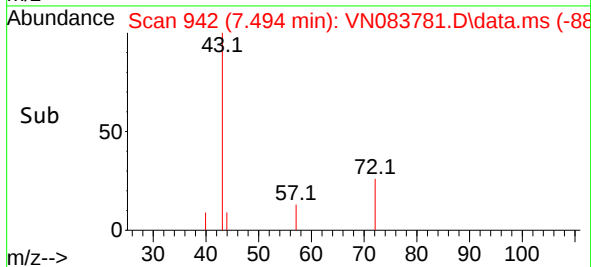
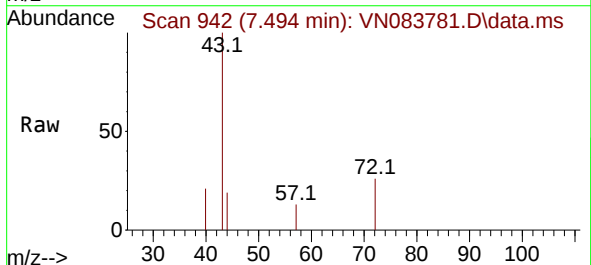


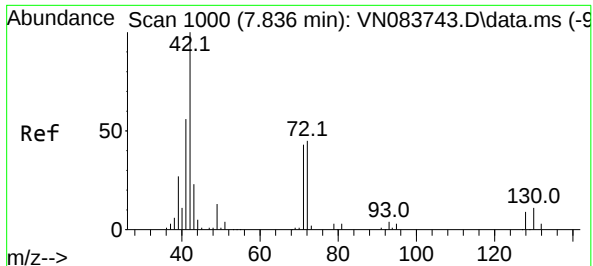
Tgt Ion:	84	Resp:	7726
Ion	Ratio	Lower	Upper
84	100		
49	144.4	93.4	140.0#
51	44.0	29.2	43.8#
86	54.8	46.9	70.3



#25
2-Butanone
Concen: 6.005 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion:	43	Resp:	4393
Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.8	31.2





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

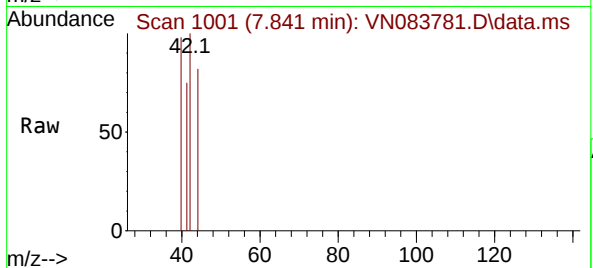
Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

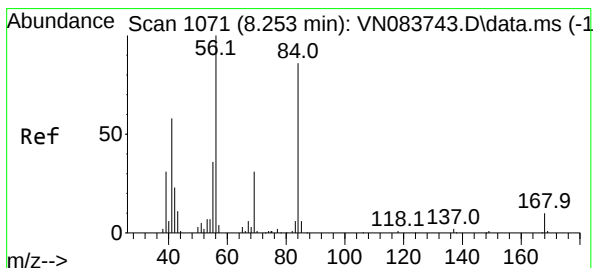
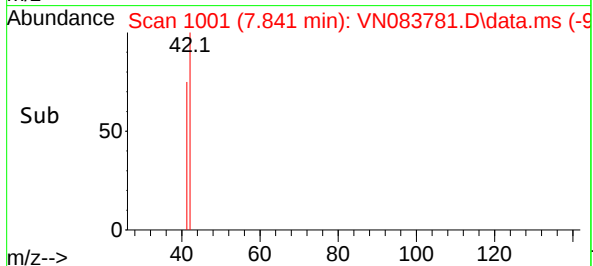
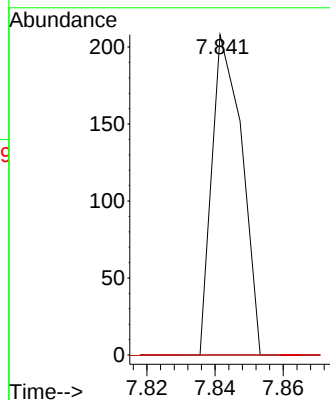
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	127
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.189 ug/l

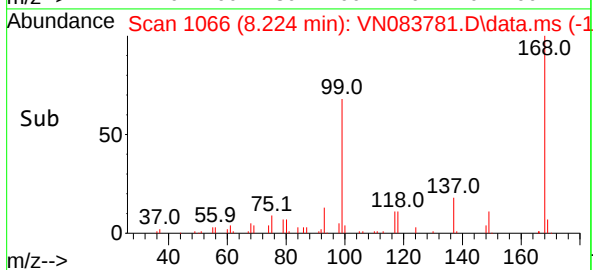
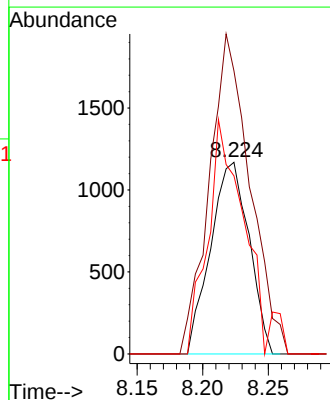
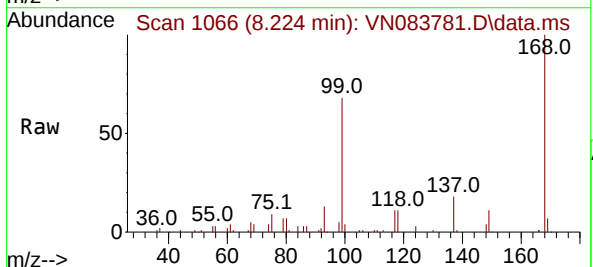
RT: 8.224 min Scan# 1066

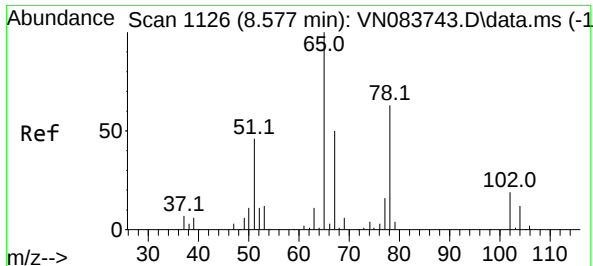
Delta R.T. -0.029 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Tgt Ion:	56	Resp:	2387
Ion	Ratio	Lower	Upper
56	100		
69	147.7	26.9	40.3#
84	92.9	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 69.655 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

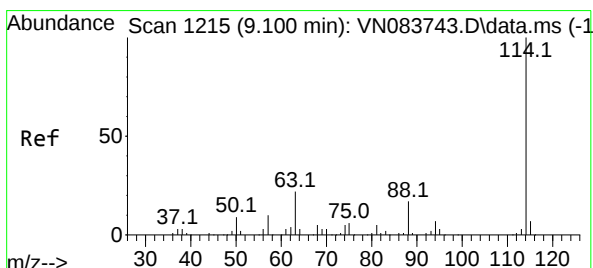
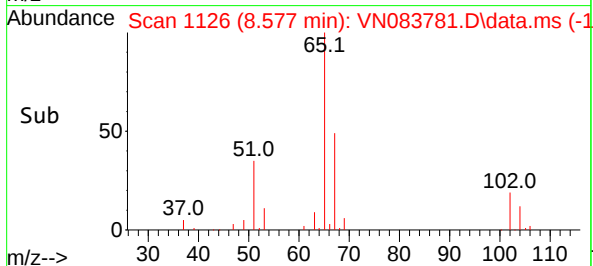
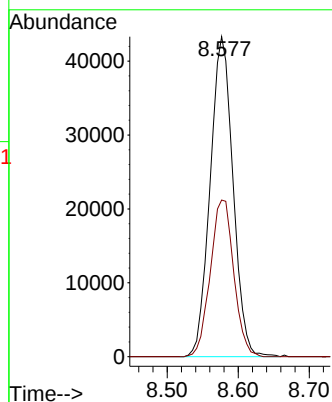
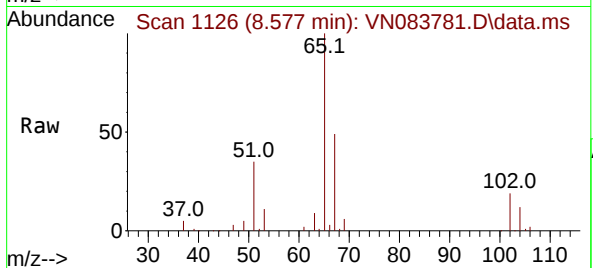
ClientSampleId :

Tgt Ion: 65 Resp: 96719

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

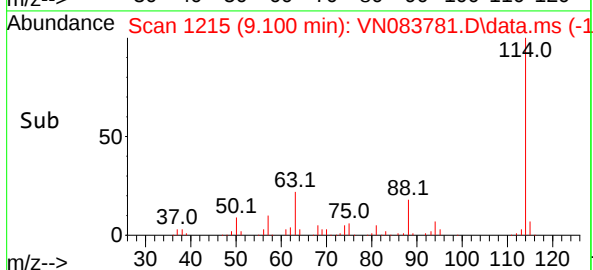
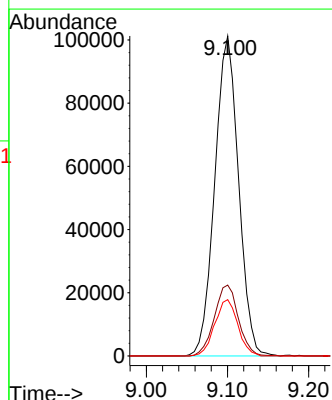
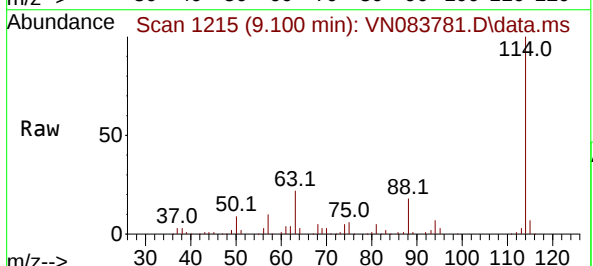
Tgt Ion: 114 Resp: 206134

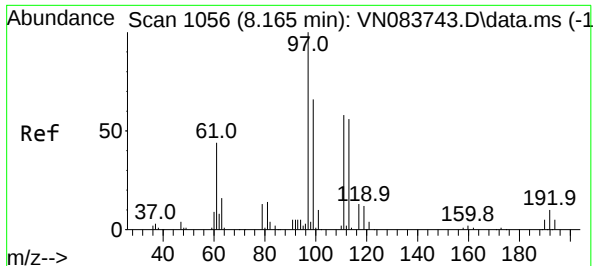
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 17.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 57.924 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

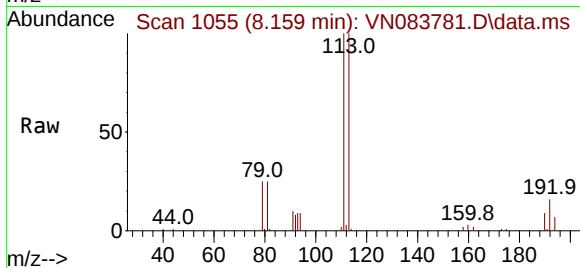
Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

ClientSampleId :



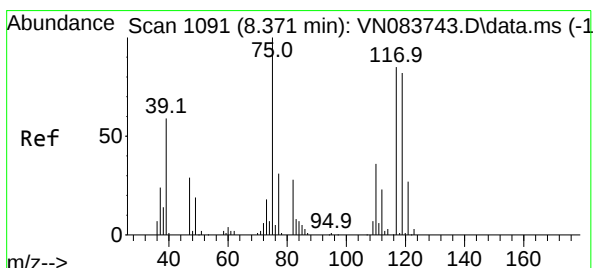
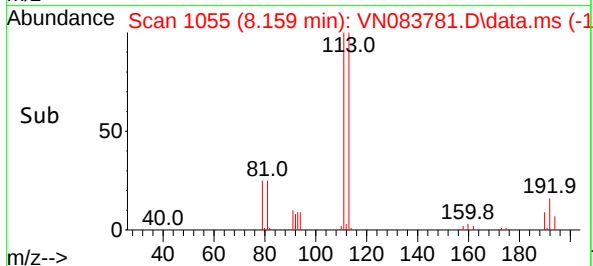
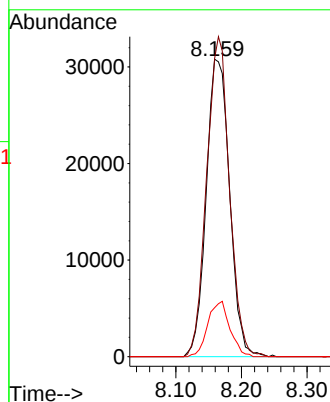
Tgt Ion:113 Resp: 76439

Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.476 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

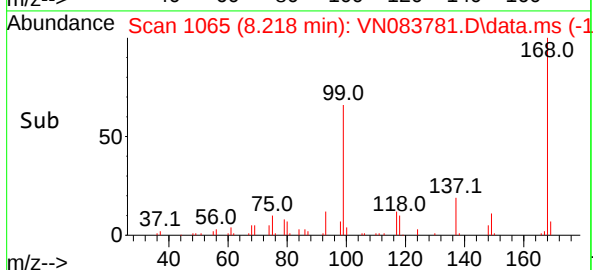
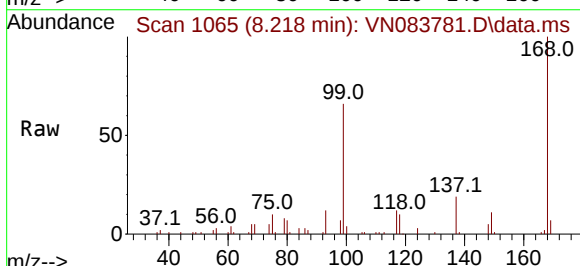
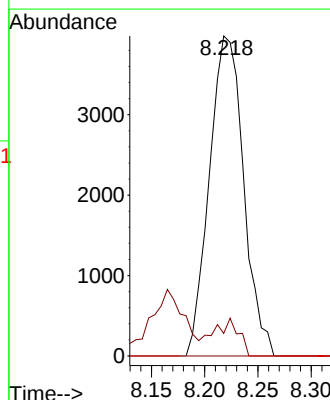
Tgt Ion: 75 Resp: 8891

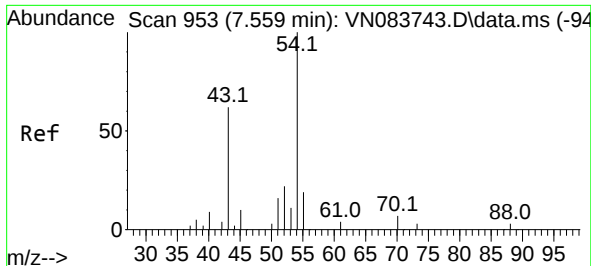
Ion Ratio Lower Upper

75 100

110 8.8 16.7 50.1#

77 0.0 25.2 37.8#

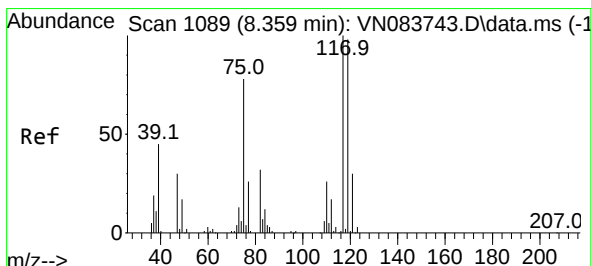
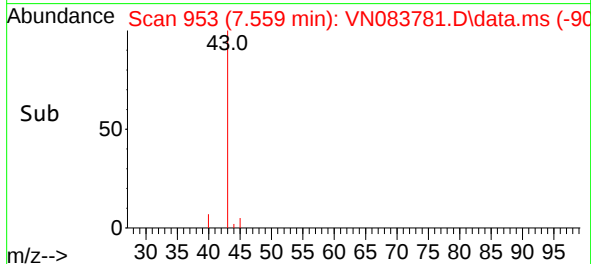
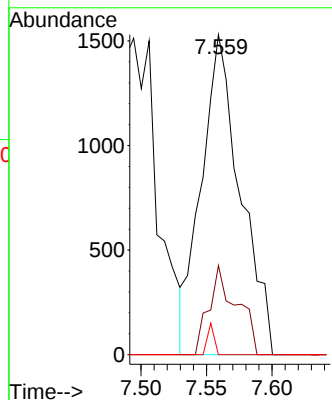
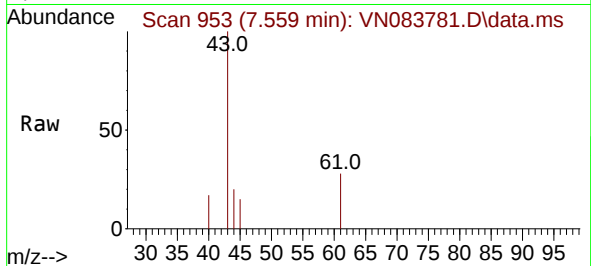




#37
Ethyl Acetate
Concen: 1.752 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

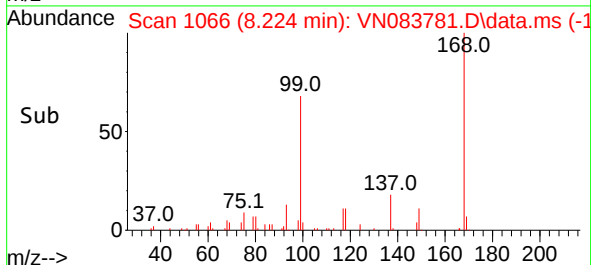
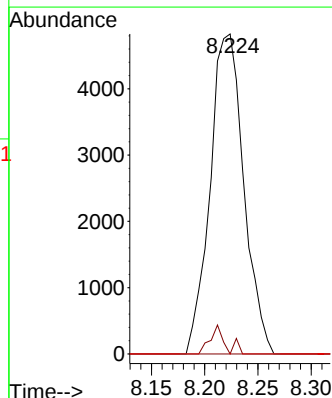
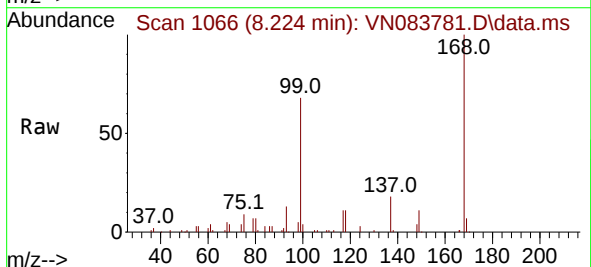
Instrument :
MSVOA_N
ClientSampleId :

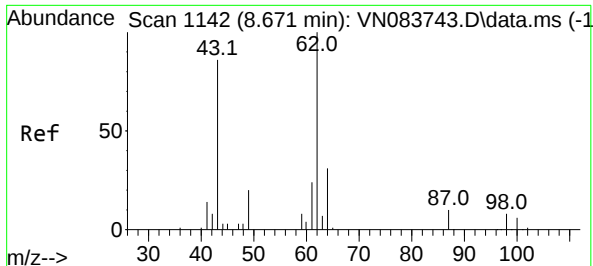
Tgt Ion: 43 Resp: 3158
Ion Ratio Lower Upper
43 100
61 20.0 11.1 16.7#
70 1.7 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.706 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 117 Resp: 10604
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.647 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

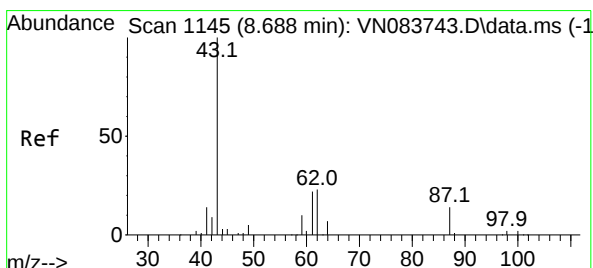
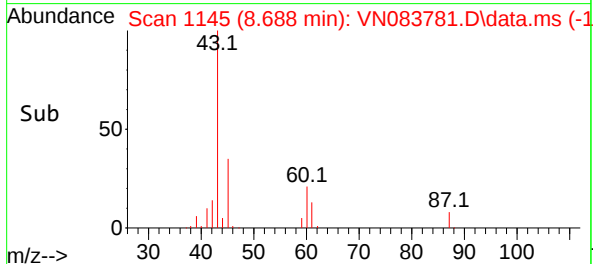
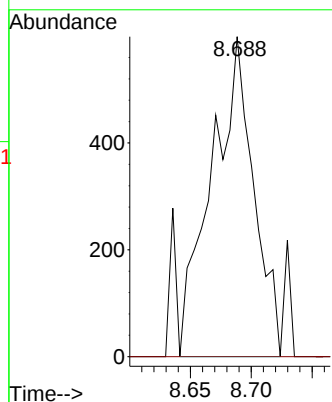
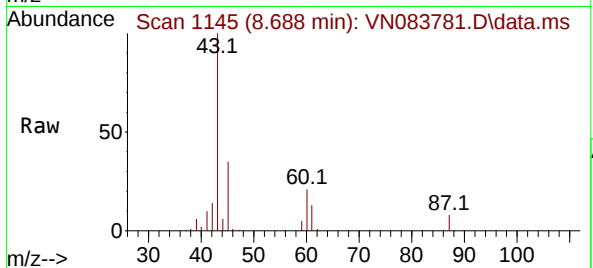
ClientSampleId :

Tgt Ion: 62 Resp: 1446

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 54.817 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

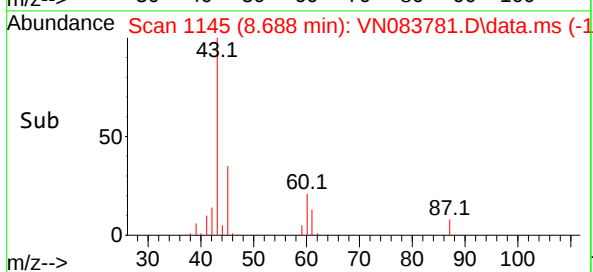
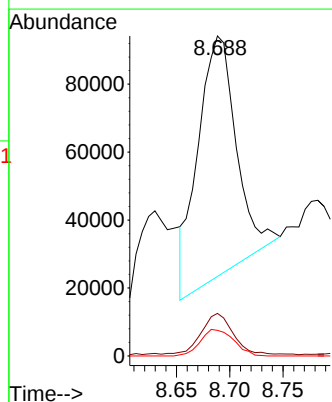
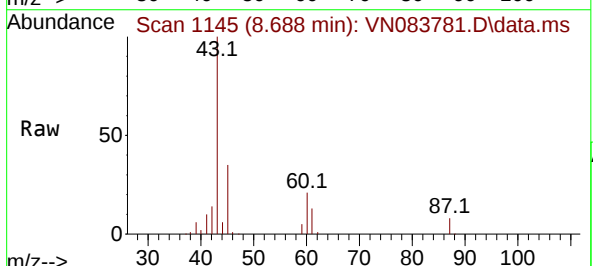
Tgt Ion: 43 Resp: 179097

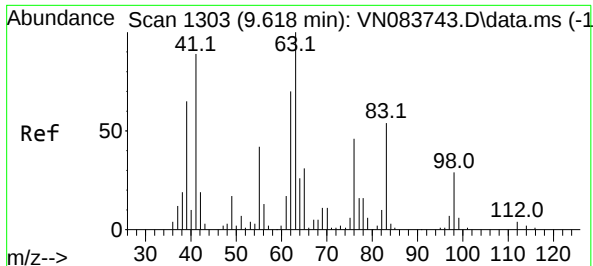
Ion Ratio Lower Upper

43 100

61 15.8 19.4 29.0#

87 9.5 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.866 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

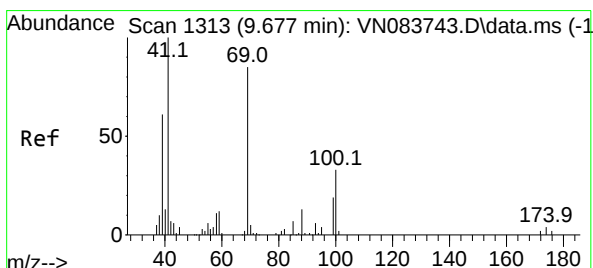
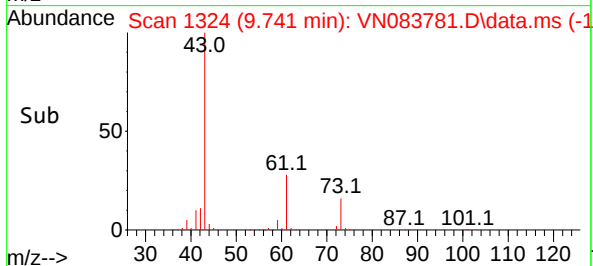
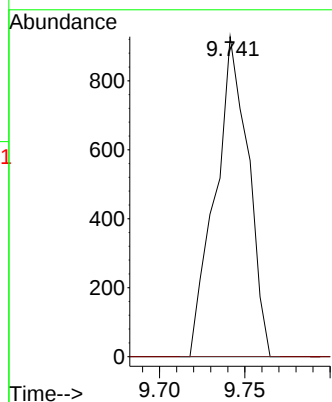
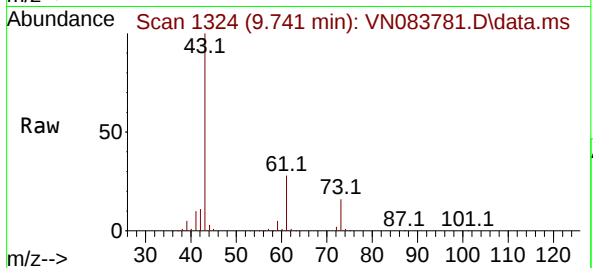
ClientSampleId :

Tgt Ion: 63 Resp: 1251

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 2.385 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

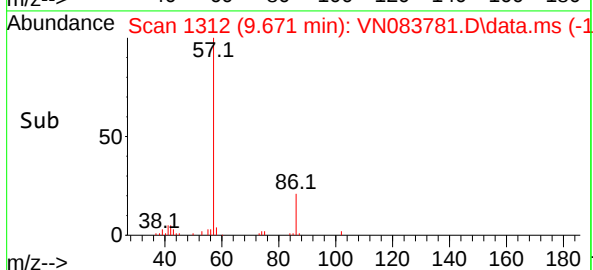
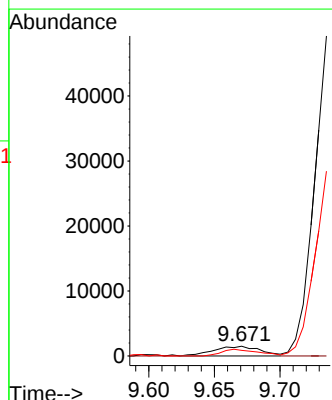
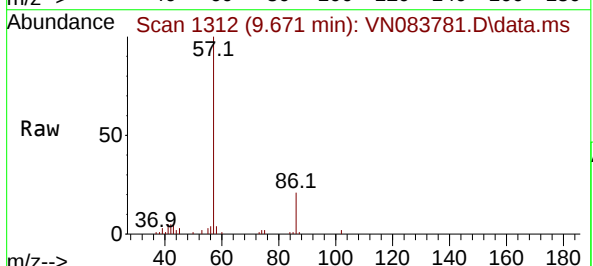
Tgt Ion: 41 Resp: 3697

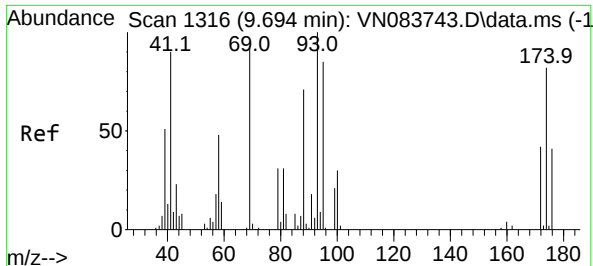
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 53.9 48.9 73.3





#49

1,4-Dioxane

Concen: 2.118 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.041 min

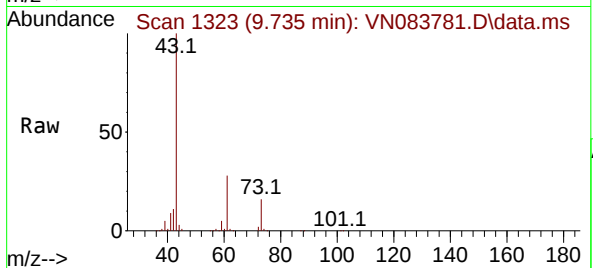
Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

ClientSampleId :



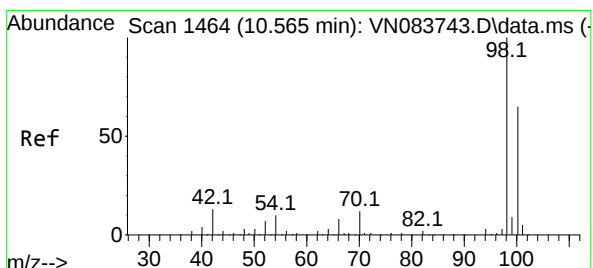
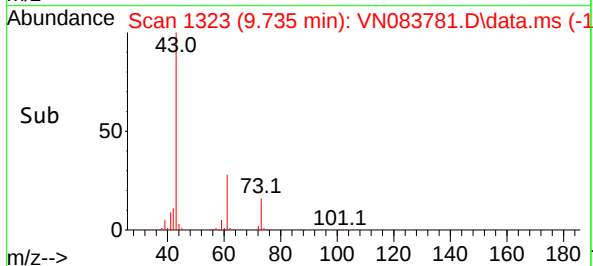
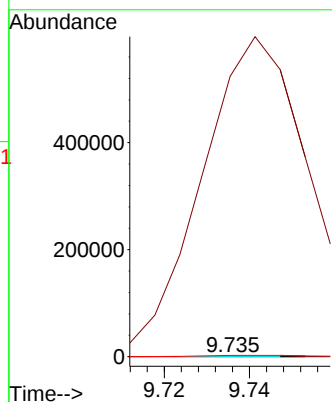
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 1995746.3 0.0 0.0#

58 8470.4 57.1 85.7#



#50

Toluene-d8

Concen: 61.129 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083781.D

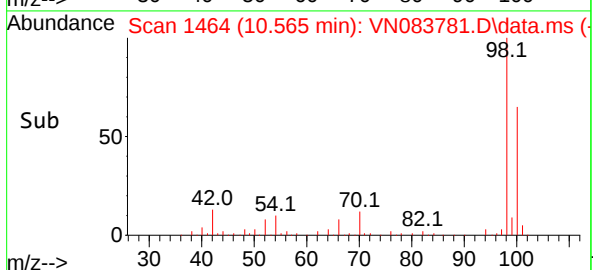
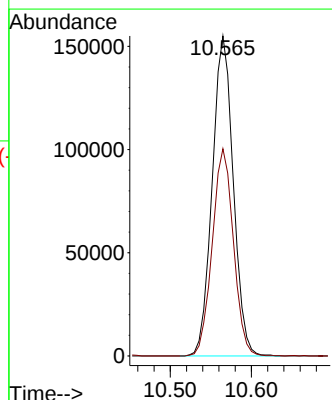
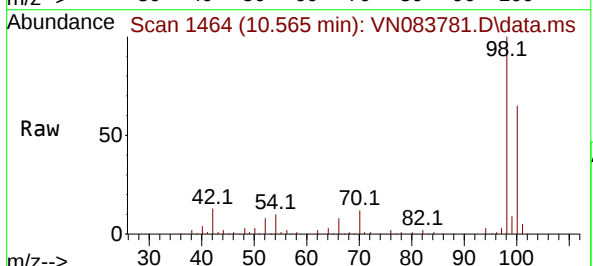
Acq: 11 Sep 2024 08:50

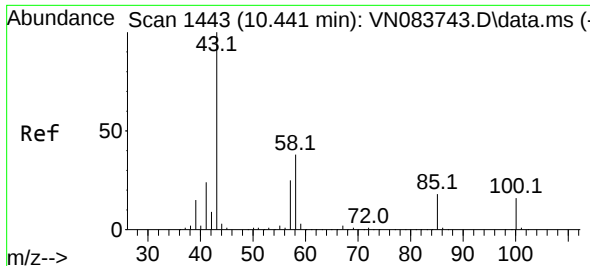
Tgt Ion: 98 Resp: 278877

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

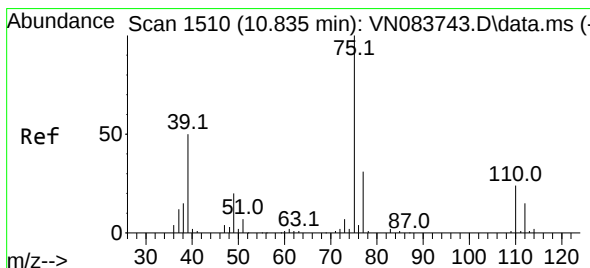
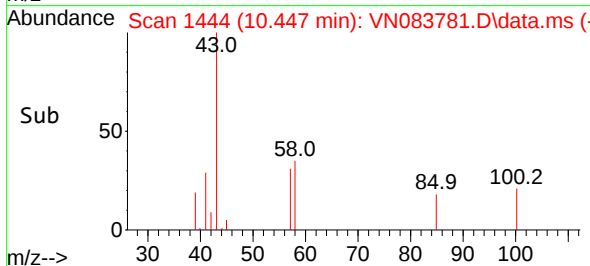
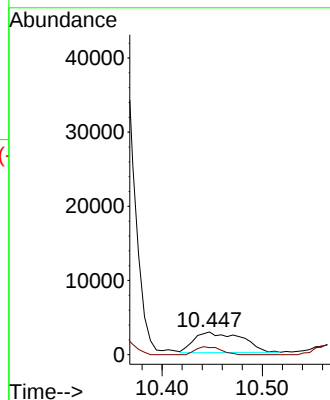
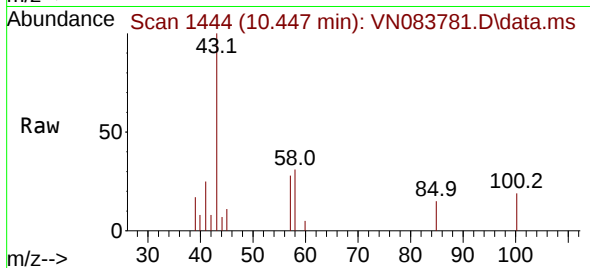




#51
4-Methyl-2-Pentanone
Concen: 5.136 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

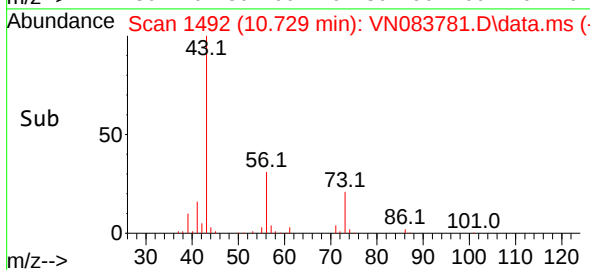
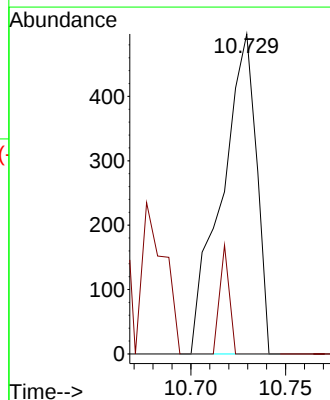
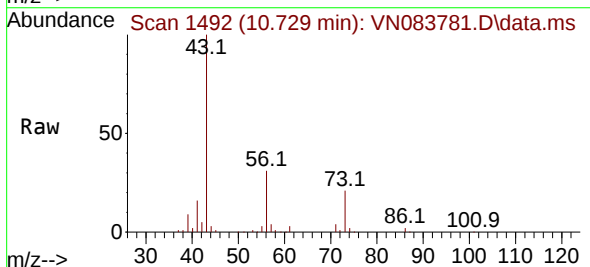
Instrument :
MSVOA_N
ClientSampleId :

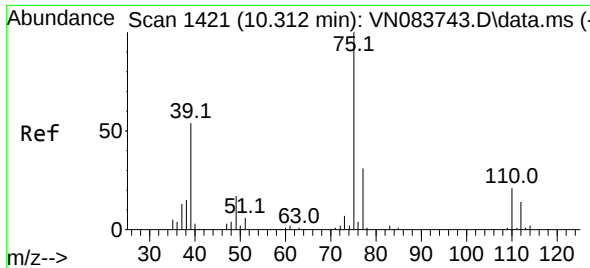
Tgt Ion: 43 Resp: 9135
Ion Ratio Lower Upper
43 100
58 20.3 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.286 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 75 Resp: 635
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

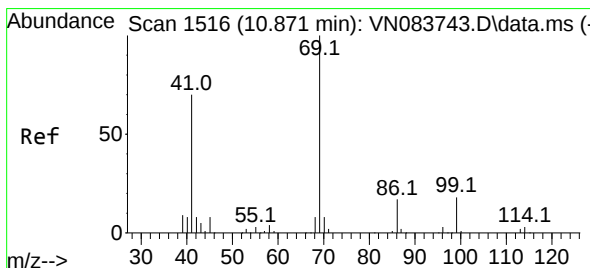
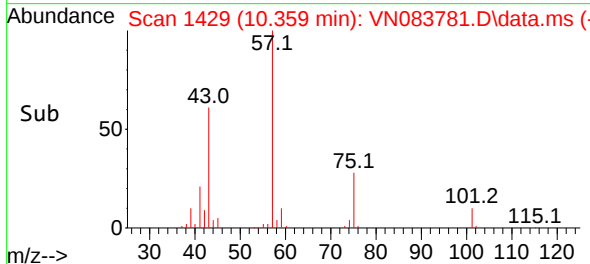
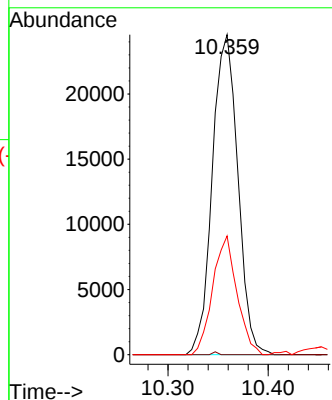
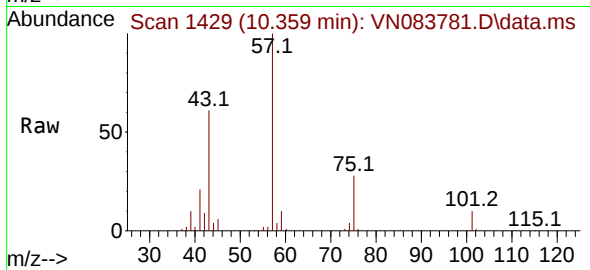




#54
cis-1,3-Dichloropropene
Concen: 18.593 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

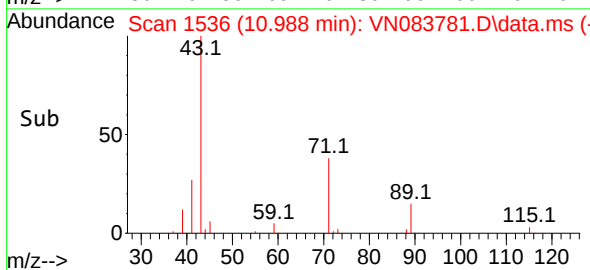
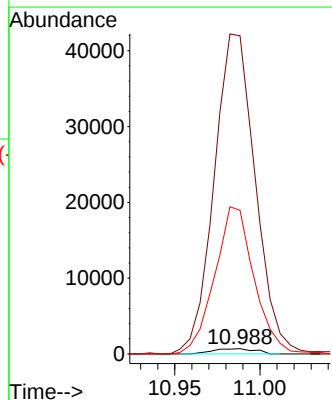
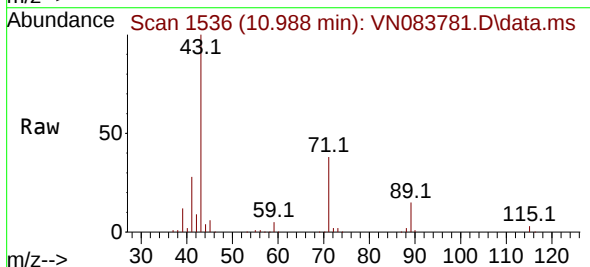
Instrument :
MSVOA_N
ClientSampleId :

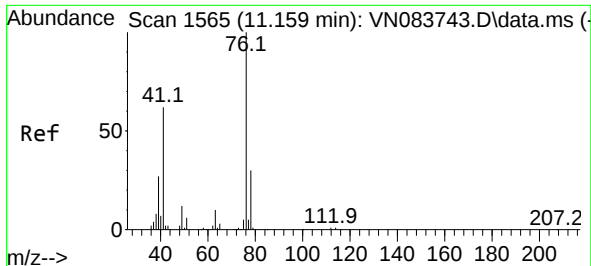
Tgt Ion: 75 Resp: 43361
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 37.1 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 69 Resp: 1218
Ion Ratio Lower Upper
69 100
41 5857.2 53.9 80.9#
39 2575.3 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.244 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

Instrument :

MSVOA_N

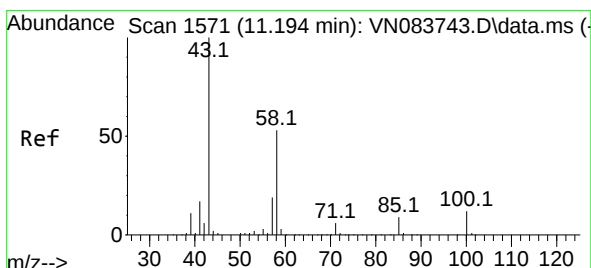
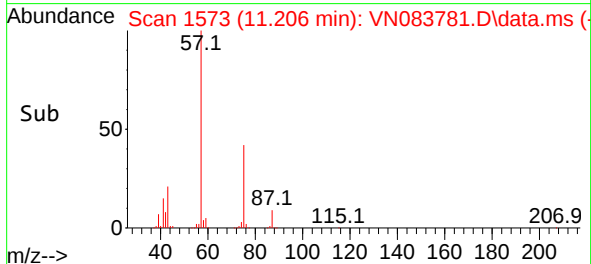
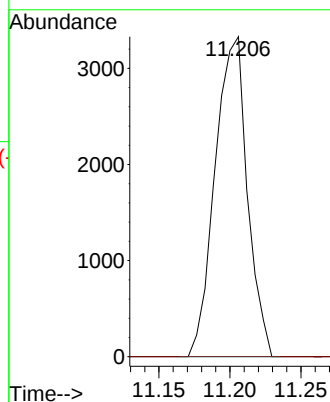
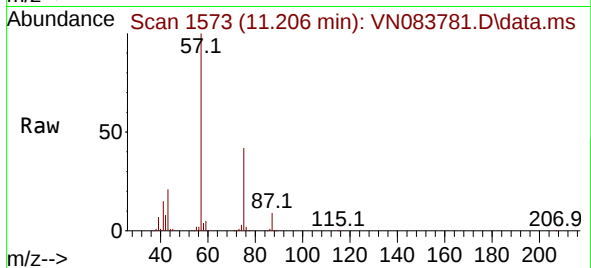
ClientSampleId :

Tgt Ion: 76 Resp: 5264

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 82.718 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN083781.D

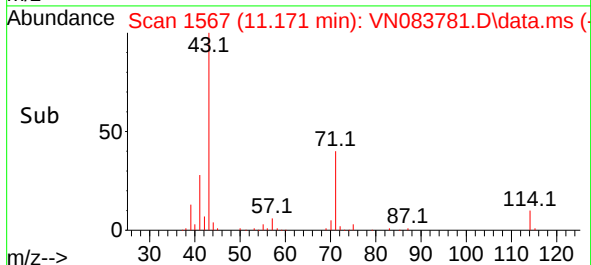
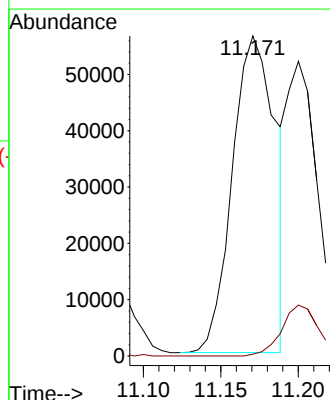
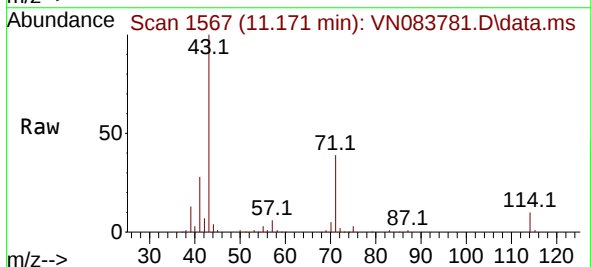
Acq: 11 Sep 2024 08:50

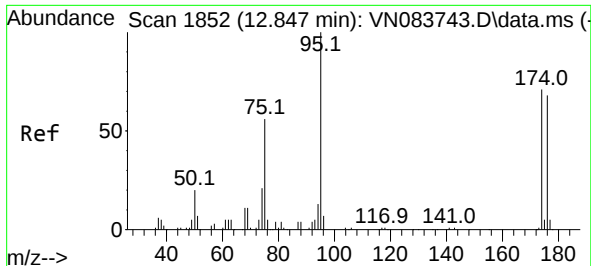
Tgt Ion: 43 Resp: 108822

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

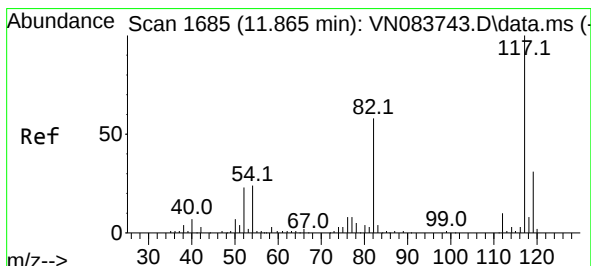
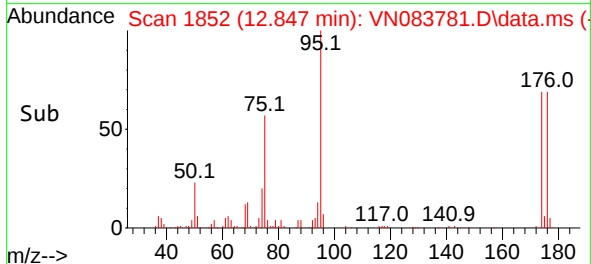
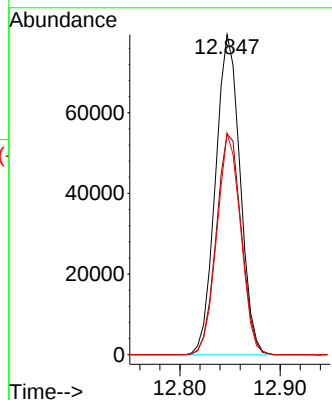
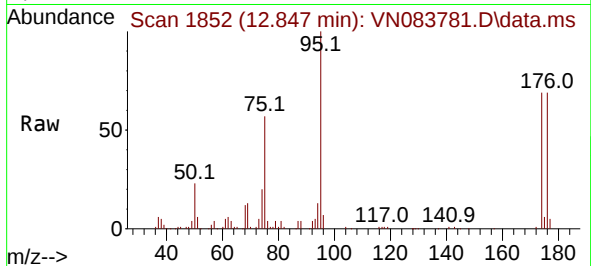




#62
4-Bromofluorobenzene
Concen: 71.792 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

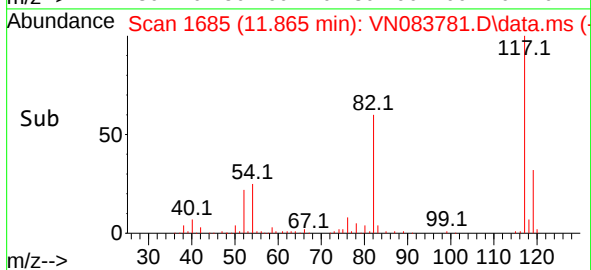
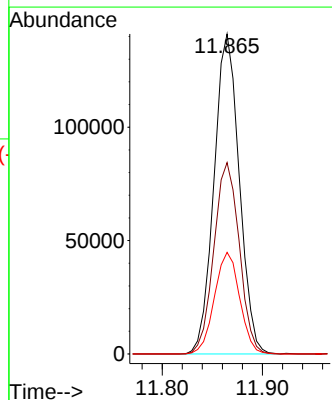
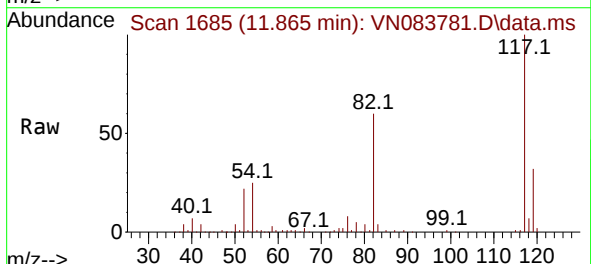
Instrument :
MSVOA_N
ClientSampleId :

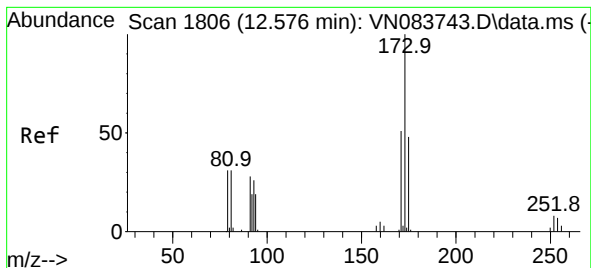
Tgt Ion: 95 Resp: 135127
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 67.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Tgt Ion: 117 Resp: 246274
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.0
119 31.8 26.3 39.5





#71

Bromoform

Concen: 0.364 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

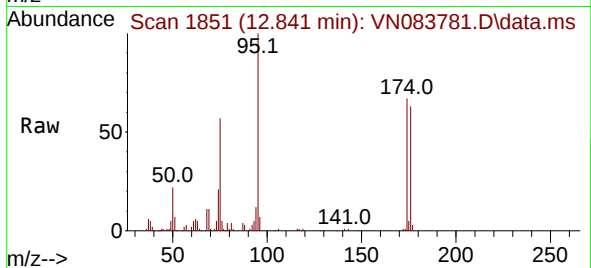
Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

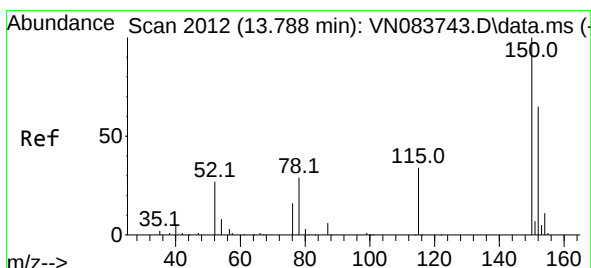
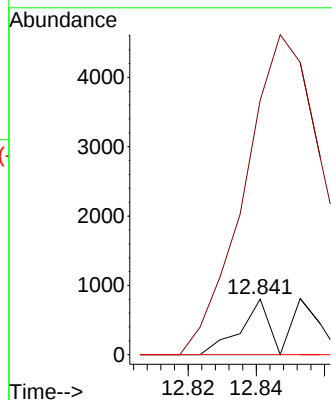
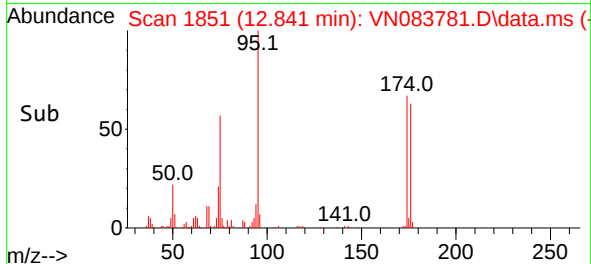
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	466
Ion Ratio	Lower	Upper	
173	100		
175	1215.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

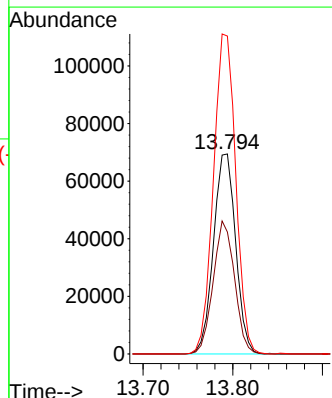
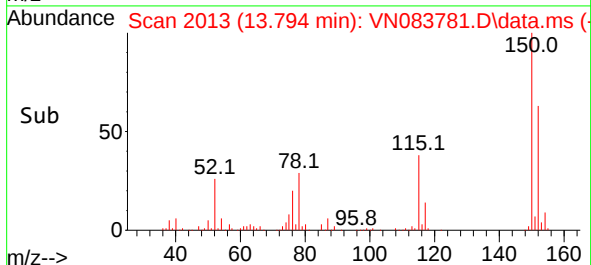
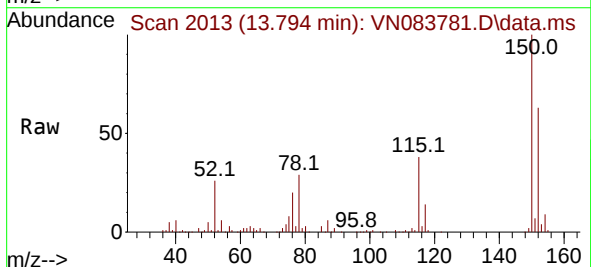
RT: 13.794 min Scan# 2013

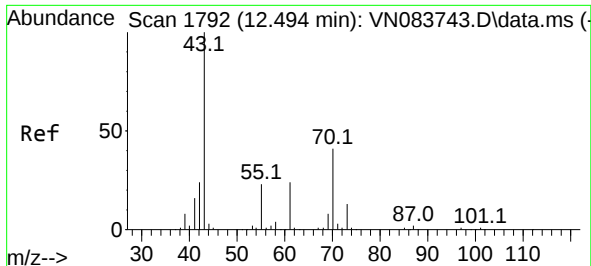
Delta R.T. 0.006 min

Lab File: VN083781.D

Acq: 11 Sep 2024 08:50

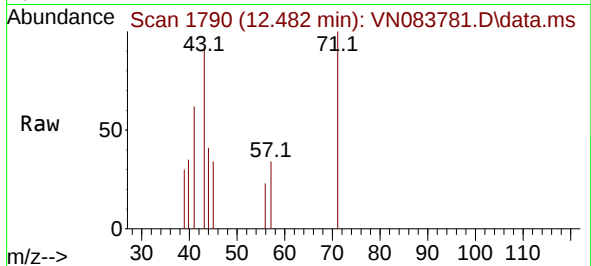
Tgt Ion:	152	Resp:	119326
Ion Ratio	Lower	Upper	
152	100		
115	64.0	32.2	96.6
150	160.6	0.0	348.6



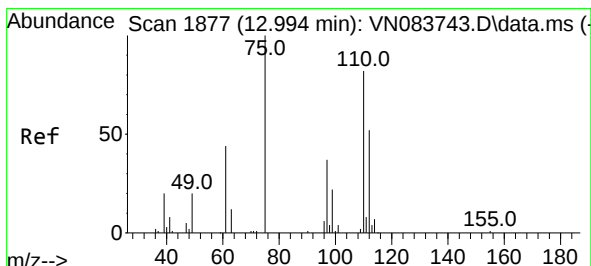
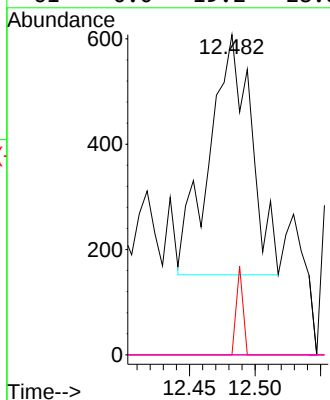
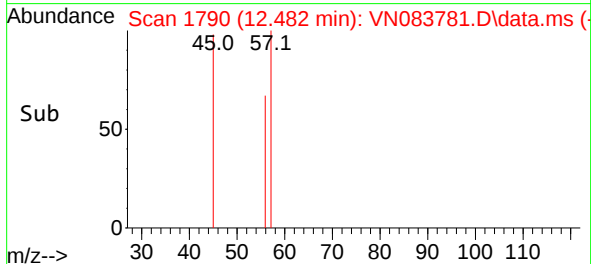


#74
N-amy1 acetate
Concen: 0.256 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Instrument :
MSVOA_N
ClientSampleId :

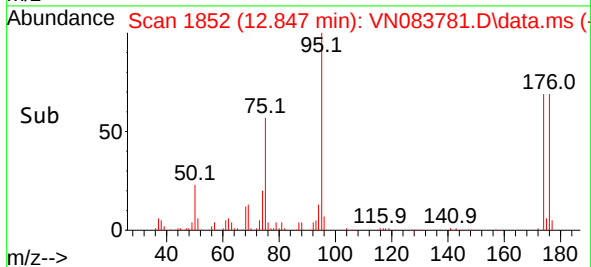
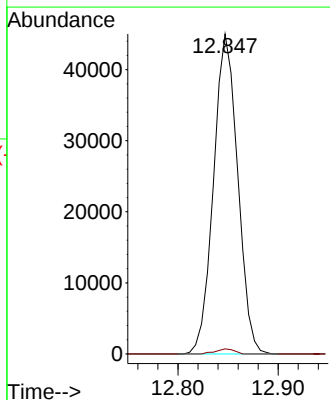
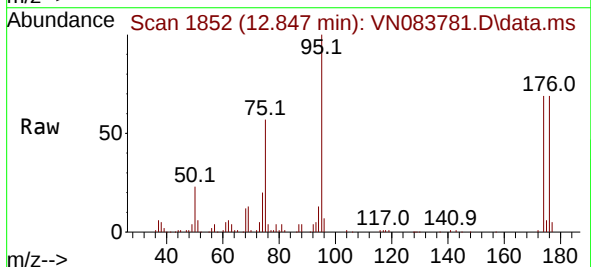


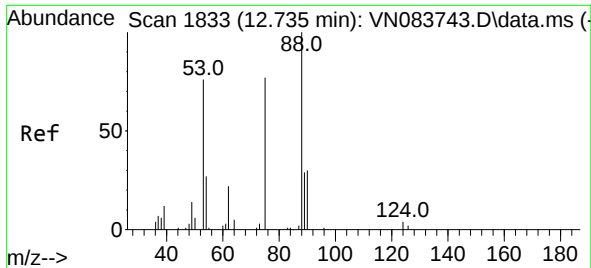
Tgt Ion: 43	Resp: 1009
Ion Ratio	Lower Upper
43	100
70	0.0 34.5 51.7#
55	5.8 18.6 28.0#
61	0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 31.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

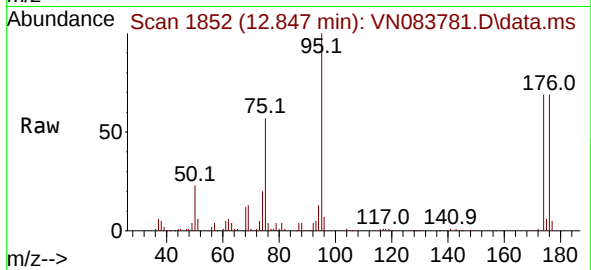
Tgt Ion: 75	Resp: 75343
Ion Ratio	Lower Upper
75	100
77	1.2 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.955 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083781.D
Acq: 11 Sep 2024 08:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 75343
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

