

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100924\
 Data File : VN084363.D
 Acq On : 09 Oct 2024 13:33
 Operator : JC\MD
 Sample : P4340-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

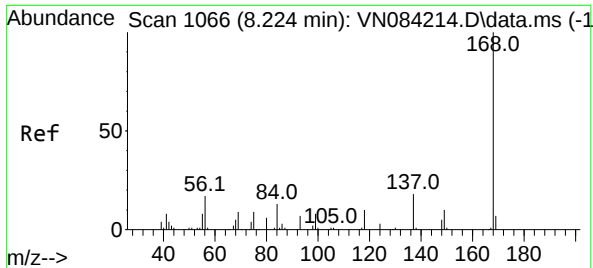
Quant Time: Oct 10 01:19:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133610	49.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.700%
35) Dibromofluoromethane	8.165	113	103935	49.139	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	10.565	98	395289	50.796	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.600%
62) 4-Bromofluorobenzene	12.847	95	135162	47.676	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	432	0.274	ug/l #	4
11) Tert butyl alcohol	5.524	59	1092	2.446	ug/l #	73
16) Acetone	4.436	43	18063	15.532	ug/l	97
18) Methyl Acetate	5.024	43	784	0.309	ug/l #	51
20) Methylene Chloride	5.283	84	6578	2.783	ug/l #	77
25) 2-Butanone	7.488	43	7219	4.558	ug/l	94
29) Tetrahydrofuran	7.847	42	551	0.564	ug/l #	34
31) Cyclohexane	8.224	56	4140	1.032	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	15442	5.026	ug/l #	50
37) Ethyl Acetate	7.559	43	3194	1.013	ug/l #	81
38) Carbon Tetrachloride	8.230	117	20110	5.967	ug/l #	14
42) 1,2-Dichloroethane	8.671	62	891	0.275	ug/l #	75
43) Isopropyl Acetate	8.688	43	141423	22.907	ug/l #	88
45) 1,2-Dichloropropane	9.735	63	1586	0.700	ug/l #	44
48) Methyl methacrylate	9.665	41	3889	1.582	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	5121	1.707	ug/l	94
53) t-1,3-Dichloropropene	10.729	75	729	0.211	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	40369	10.845	ug/l #	63
56) Ethyl methacrylate	10.982	69	1625	0.472	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5589	1.495	ug/l #	42
59) 2-Hexanone	11.200	43	65701	29.297	ug/l #	59
71) Bromoform	12.847	173	777	0.477	ug/l #	1
74) N-amyl acetate	12.465	43	1448	0.379	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	70438	31.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70438	74.739	ug/l #	11

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

Quant Time: Oct 10 01:19:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

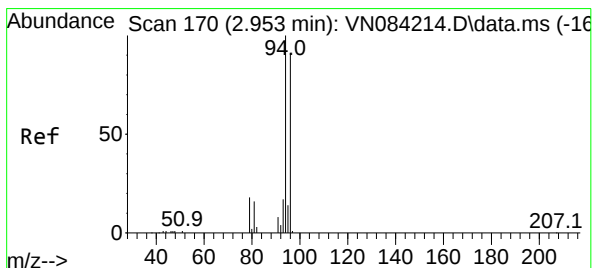
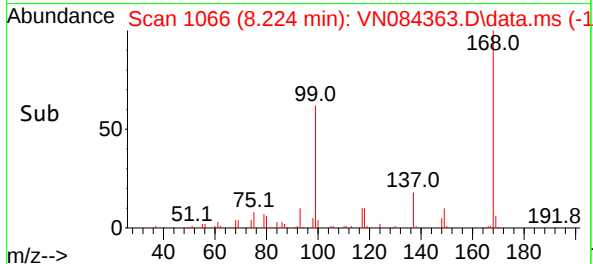
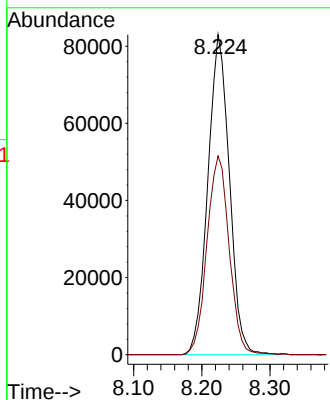
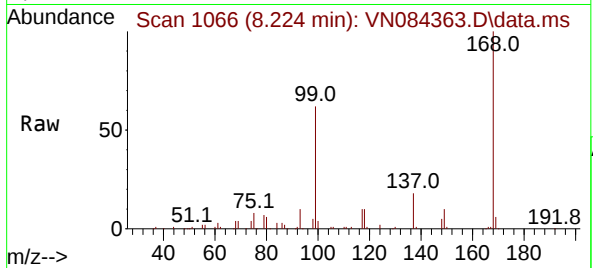




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.000 min
 Lab File: VN084363.D
 Acq: 09 Oct 2024 13:33

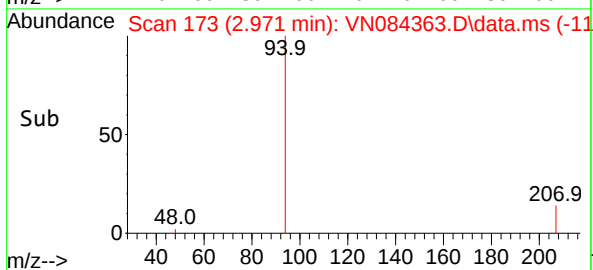
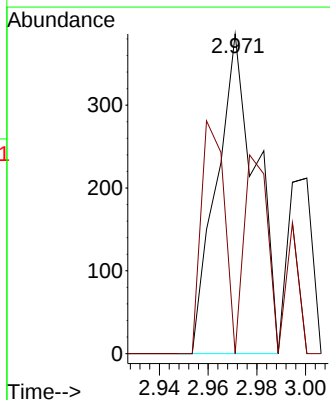
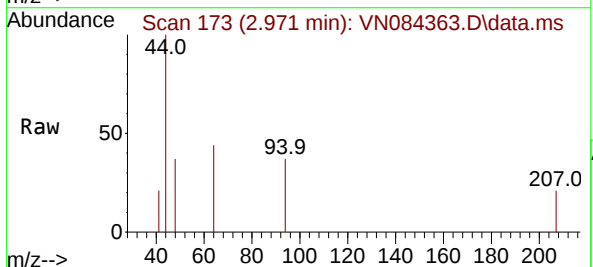
Instrument :
 MSVOA_N
 ClientSampleId :

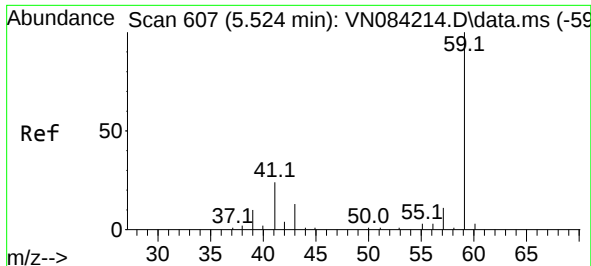
Tgt Ion:168 Resp: 182585
 Ion Ratio Lower Upper
 168 100
 99 62.1 54.2 81.2



#5
 Bromomethane
 Concen: 0.274 ug/l
 RT: 2.971 min Scan# 173
 Delta R.T. 0.018 min
 Lab File: VN084363.D
 Acq: 09 Oct 2024 13:33

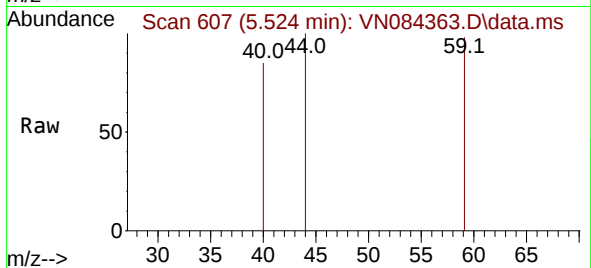
Tgt Ion: 94 Resp: 432
 Ion Ratio Lower Upper
 94 100
 96 0.0 72.9 109.3#



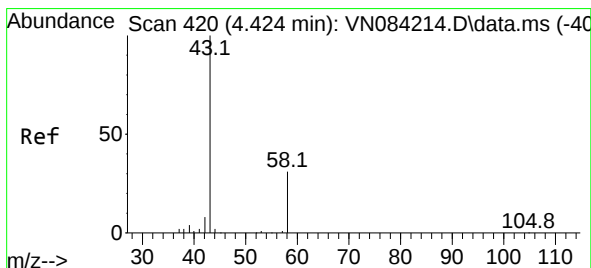
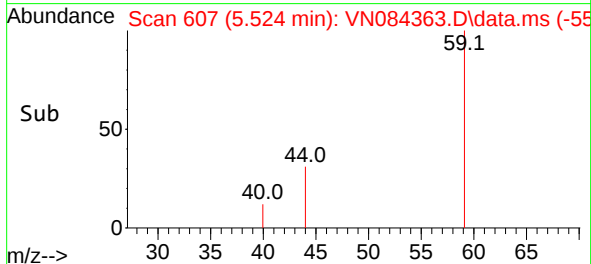
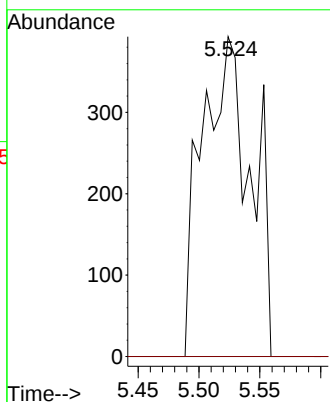


#11
Tert butyl alcohol
Concen: 2.446 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

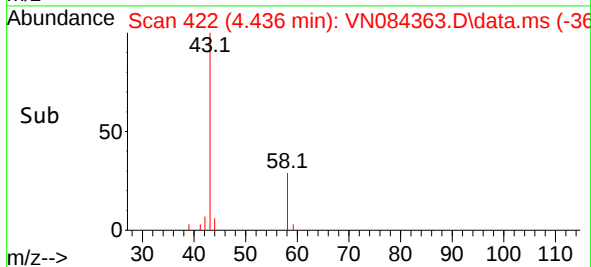
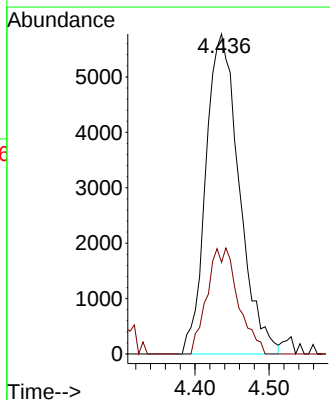
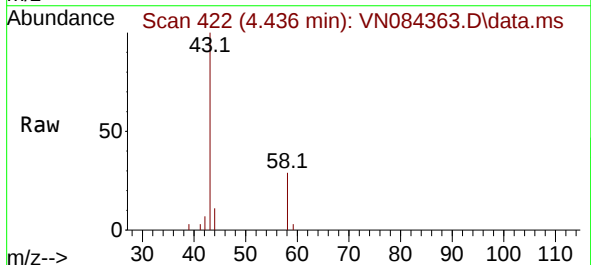


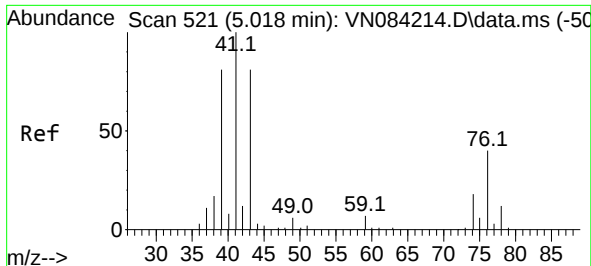
Tgt Ion: 59 Resp: 1092
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 15.532 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

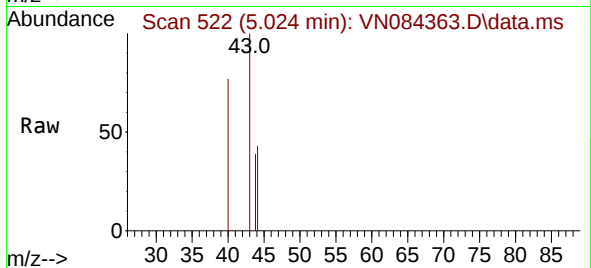
Tgt Ion: 43 Resp: 18063
Ion Ratio Lower Upper
43 100
58 28.6 24.4 36.6



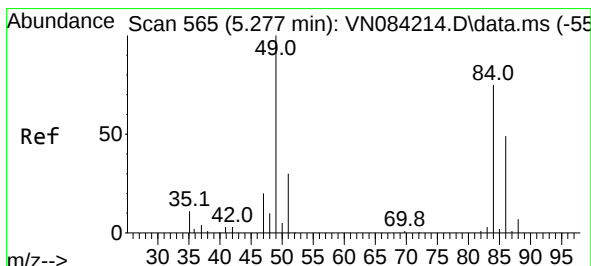
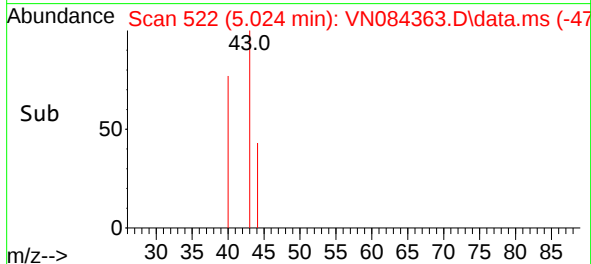
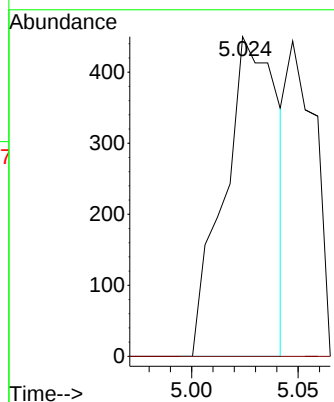


#18
Methyl Acetate
Concen: 0.309 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

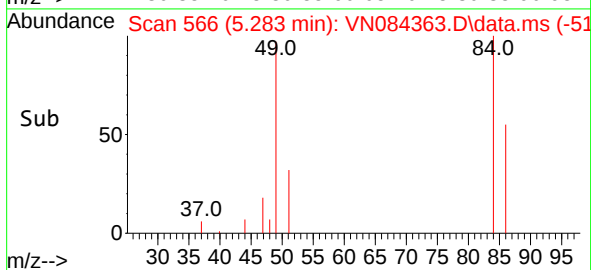
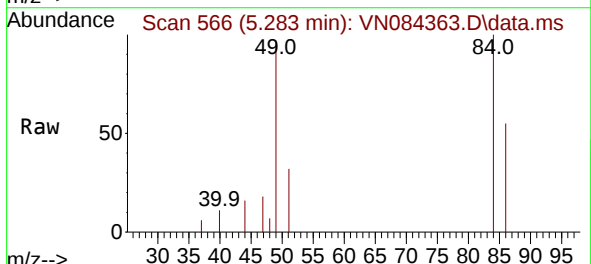
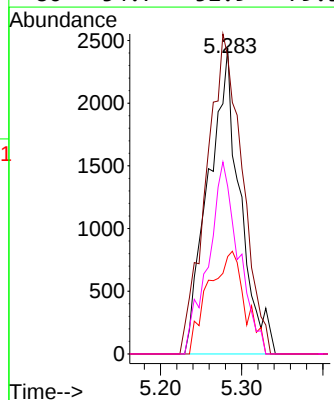


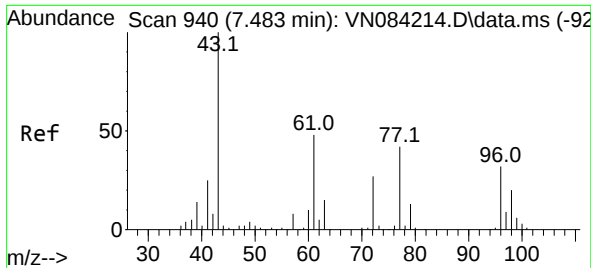
Tgt Ion: 43 Resp: 784
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 2.783 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

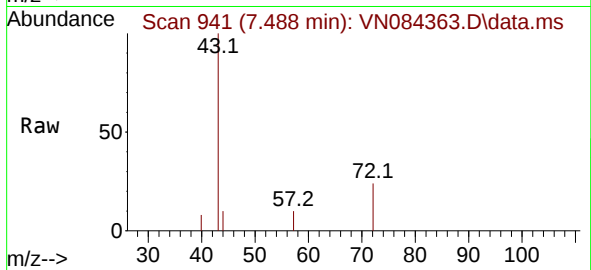
Tgt Ion: 84 Resp: 6578
Ion Ratio Lower Upper
84 100
49 97.3 107.2 160.8#
51 31.9 31.8 47.8
86 54.7 52.9 79.3



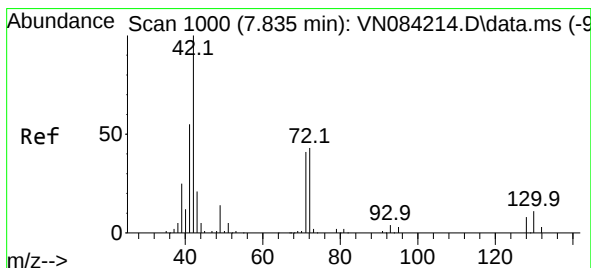
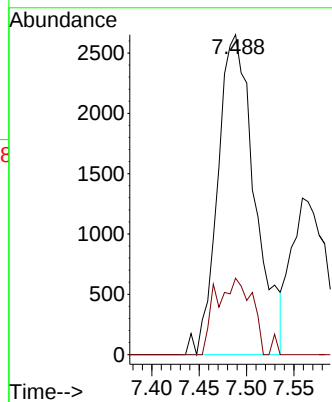
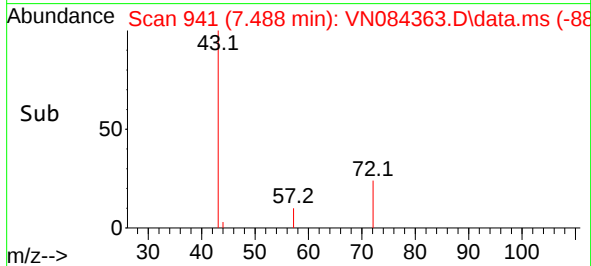


#25
2-Butanone
Concen: 4.558 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

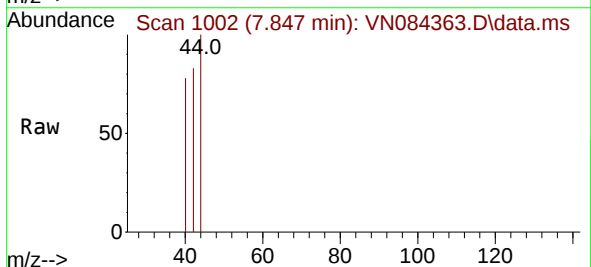
Instrument :
MSVOA_N
ClientSampleId :



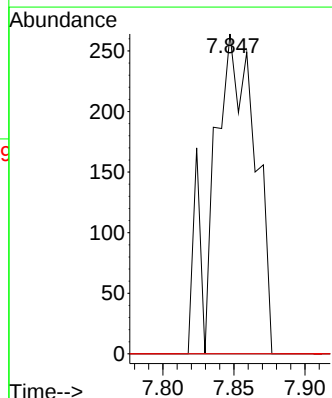
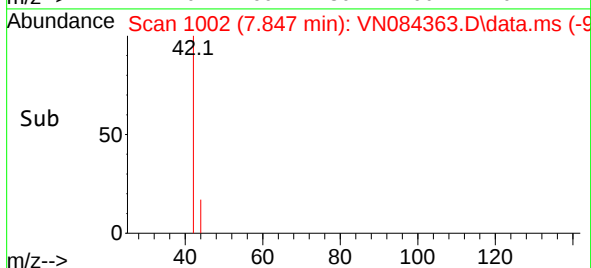
Tgt Ion: 43 Resp: 7219
Ion Ratio Lower Upper
43 100
72 23.9 21.4 32.2

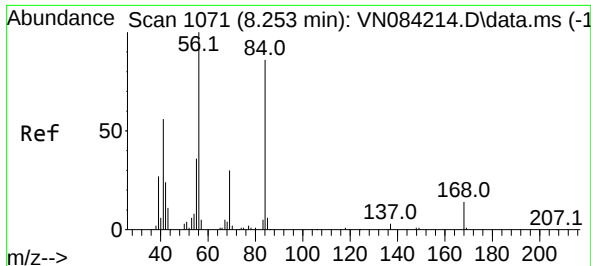


#29
Tetrahydrofuran
Concen: 0.564 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33



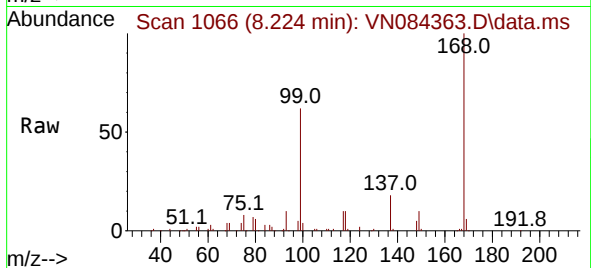
Tgt Ion: 42 Resp: 551
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



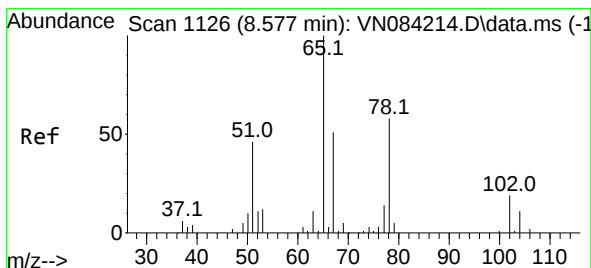
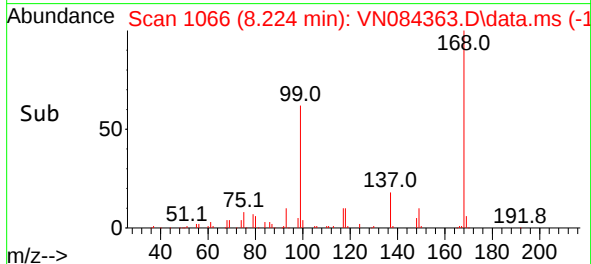
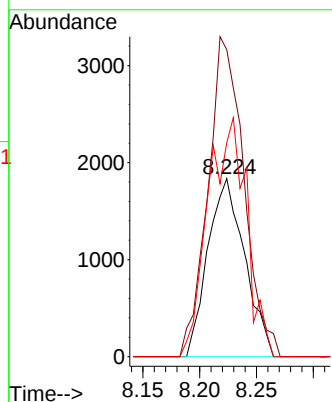


#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

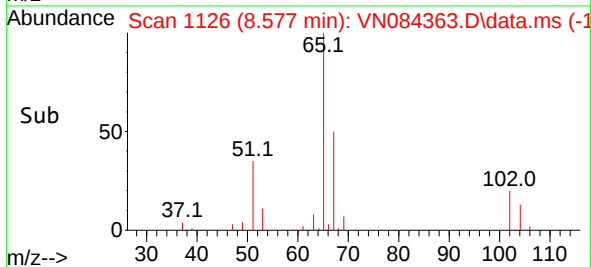
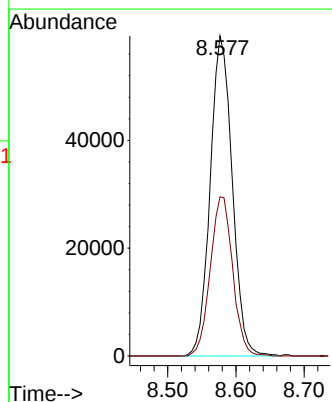
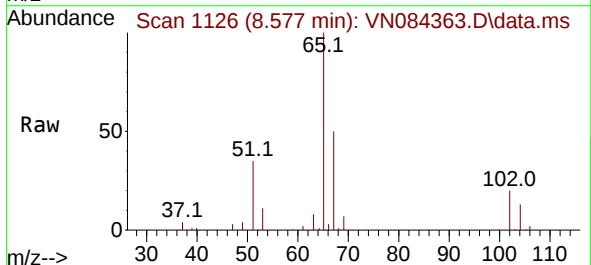


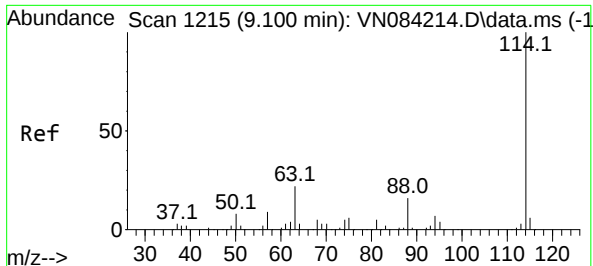
Tgt Ion: 56 Resp: 4140
Ion Ratio Lower Upper
56 100
69 172.5 23.8 35.6#
84 120.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.354 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

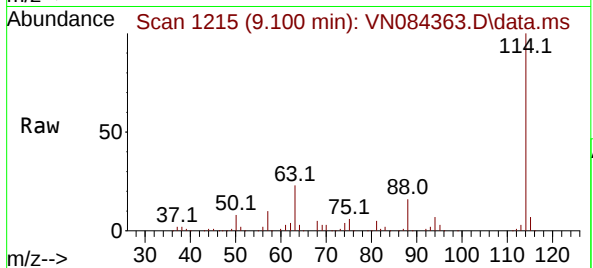
Tgt Ion: 65 Resp: 133610
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.0



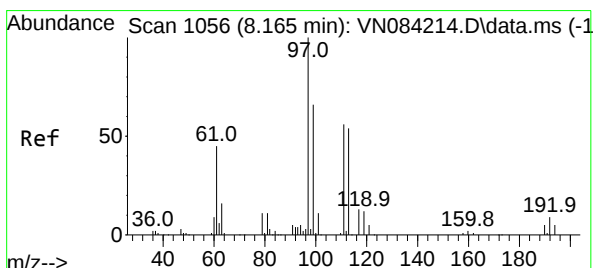
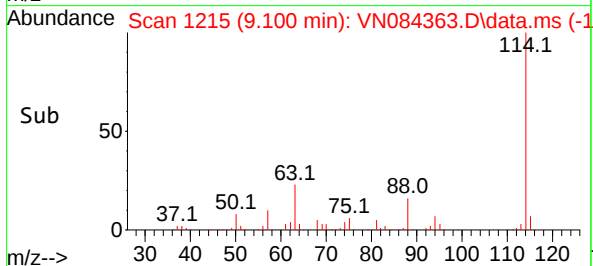
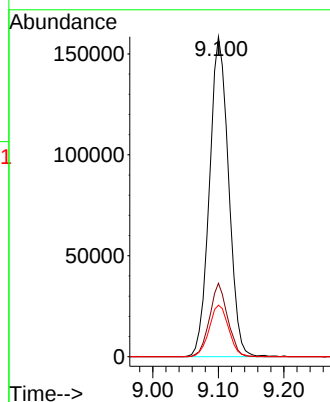


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

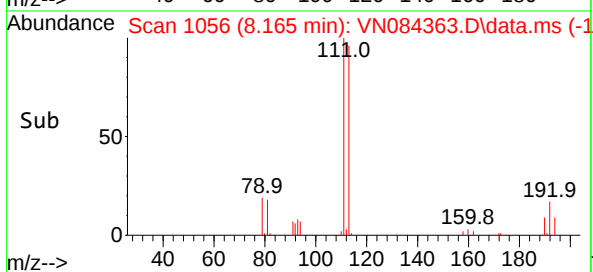
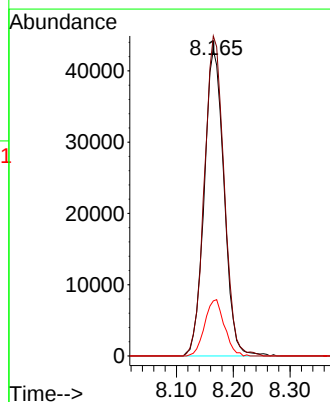
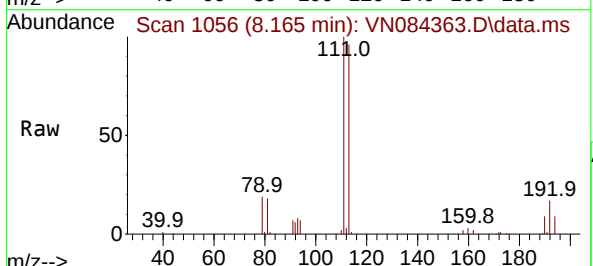


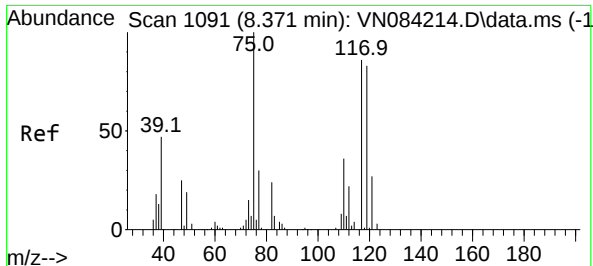
Tgt Ion:114 Resp: 320834
Ion Ratio Lower Upper
114 100
63 22.9 0.0 43.8
88 16.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 49.139 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Tgt Ion:113 Resp: 103935
Ion Ratio Lower Upper
113 100
111 103.8 83.3 124.9
192 18.2 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

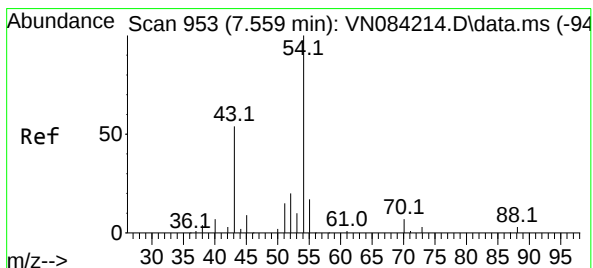
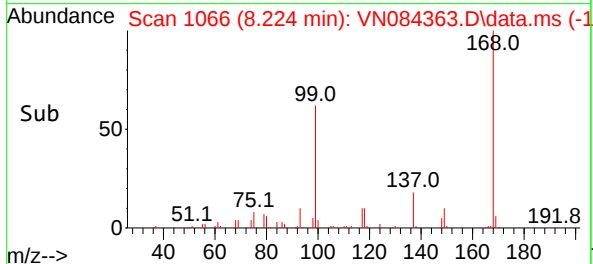
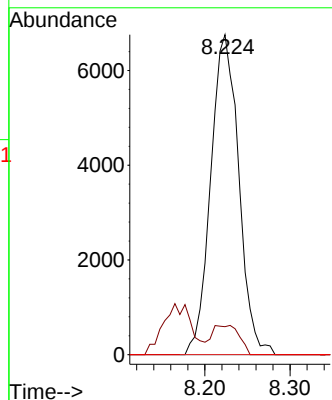
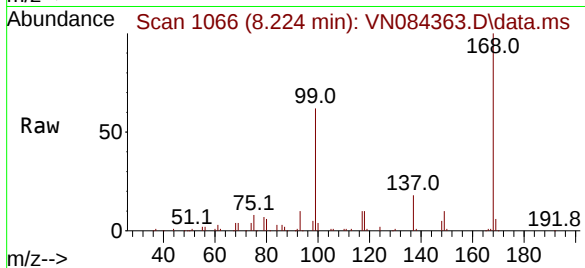
Tgt Ion: 75 Resp: 15442

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.013 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

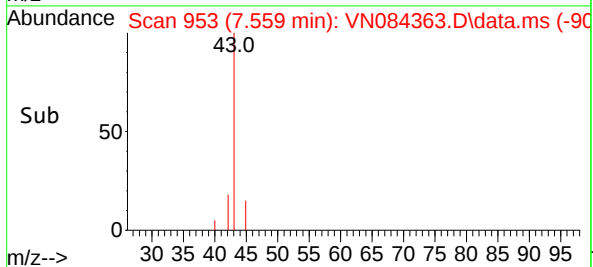
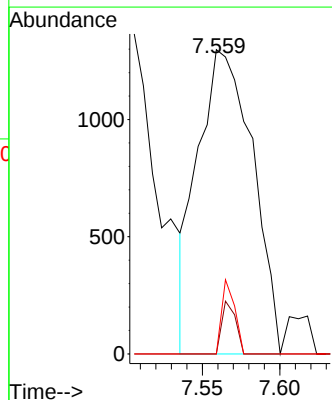
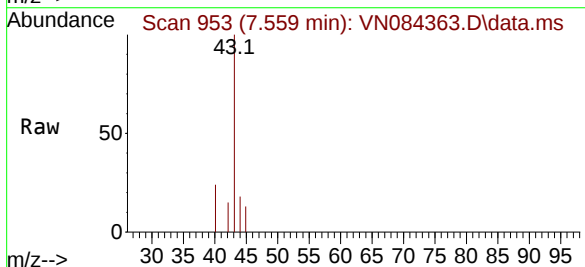
Tgt Ion: 43 Resp: 3194

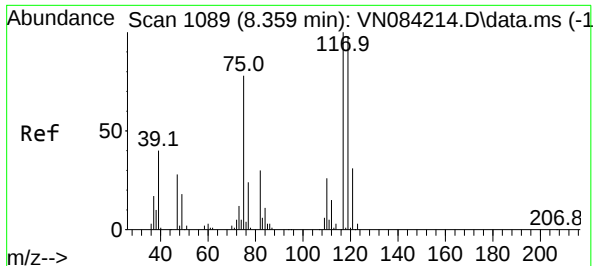
Ion Ratio Lower Upper

43 100

61 4.3 10.7 16.1#

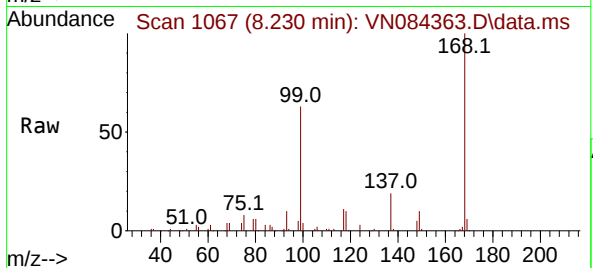
70 5.8 8.8 13.2#



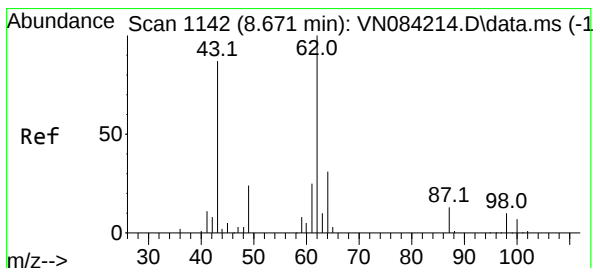
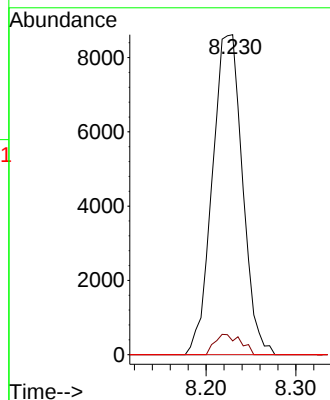
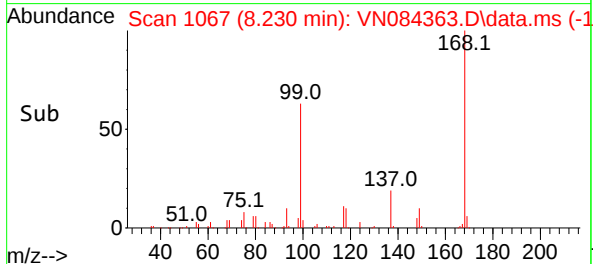


#38
Carbon Tetrachloride
Concen: 5.967 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Instrument :
MSVOA_N
ClientSampleId :

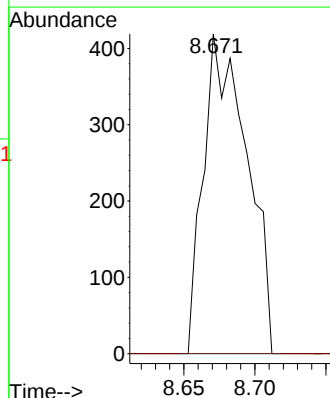
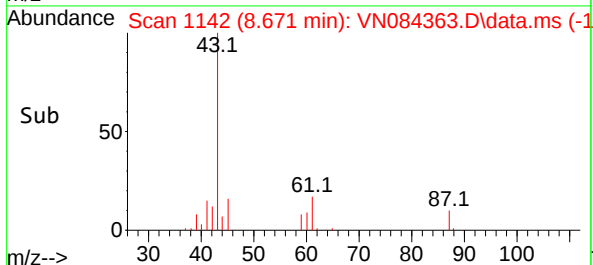
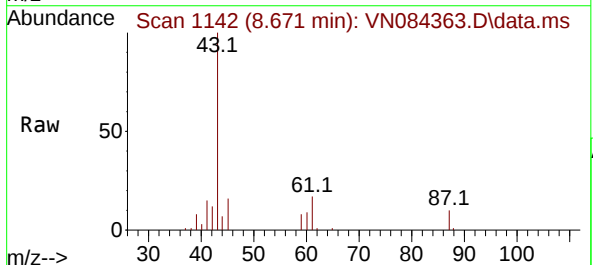


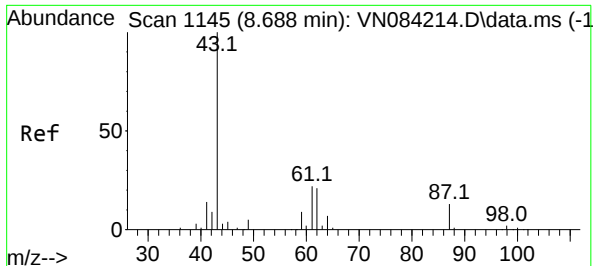
Tgt Ion: 117 Resp: 20110
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.275 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Tgt Ion: 62 Resp: 891
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 22.907 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

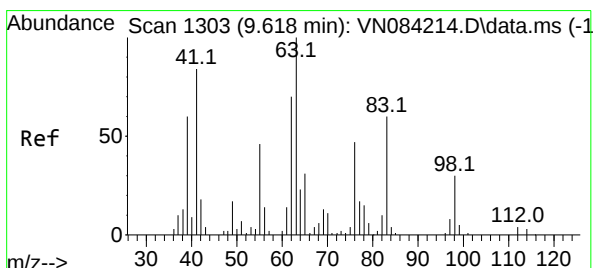
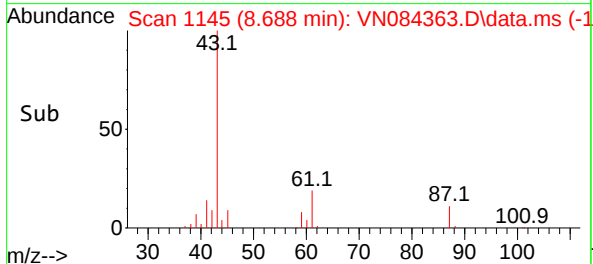
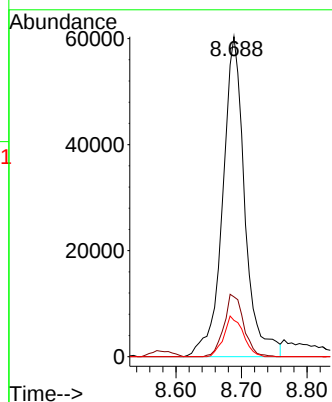
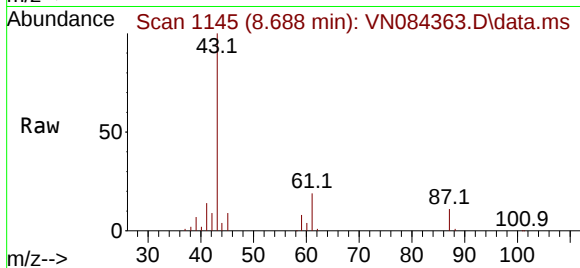
Tgt Ion: 43 Resp: 141423

Ion Ratio Lower Upper

43 100

61 17.3 20.4 30.6#

87 11.1 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.700 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN084363.D

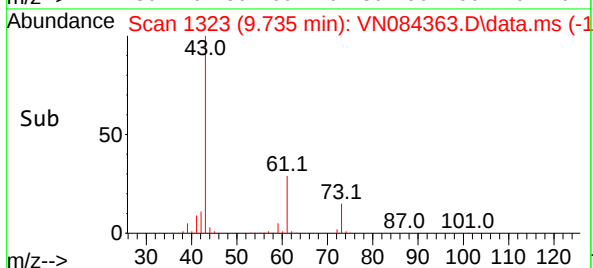
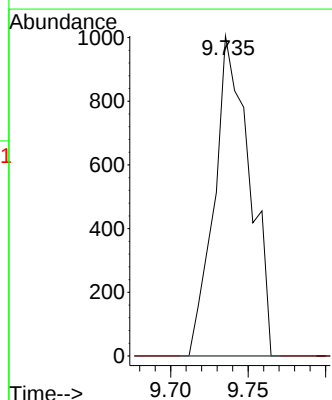
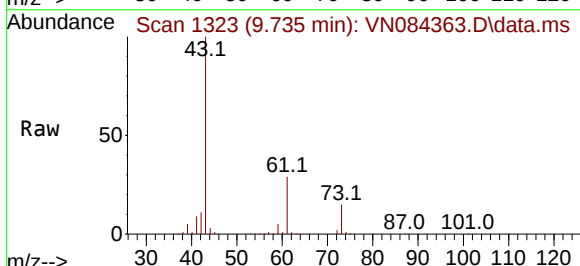
Acq: 09 Oct 2024 13:33

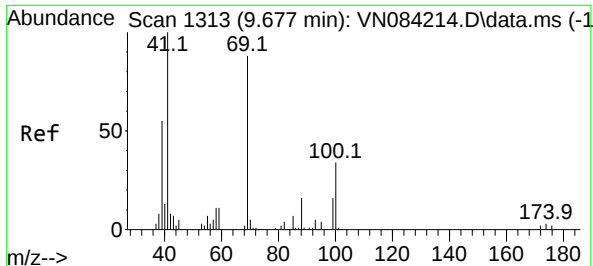
Tgt Ion: 63 Resp: 1586

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

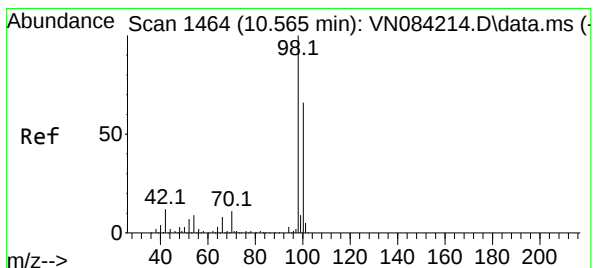
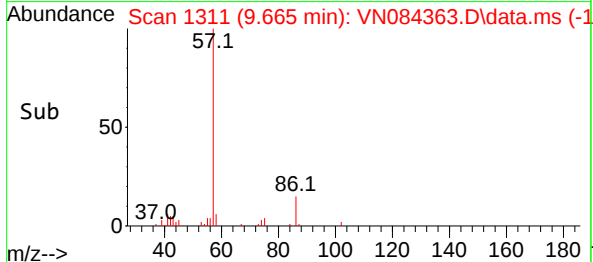
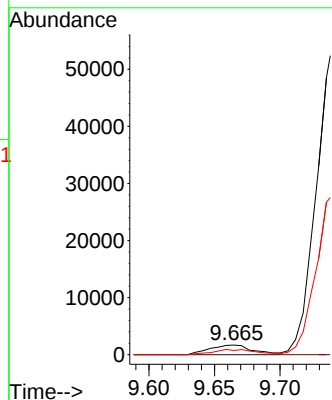
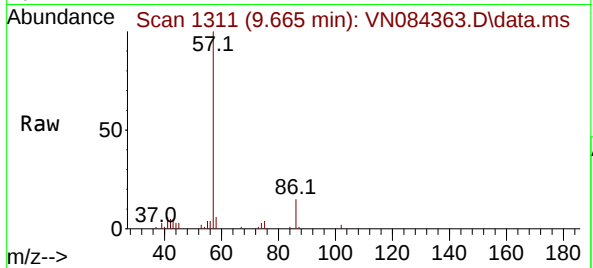




#48
Methyl methacrylate
Concen: 1.582 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

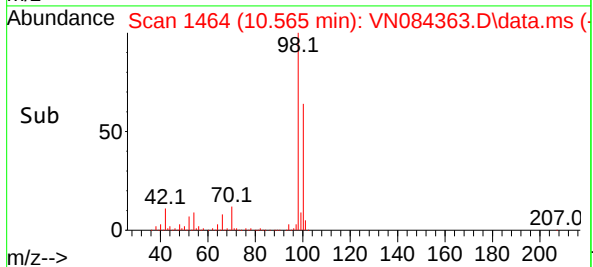
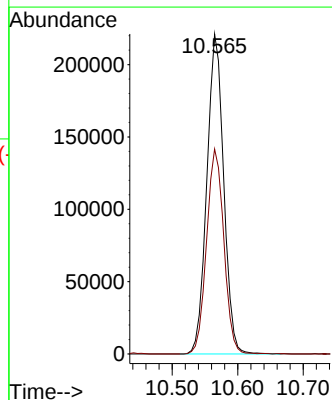
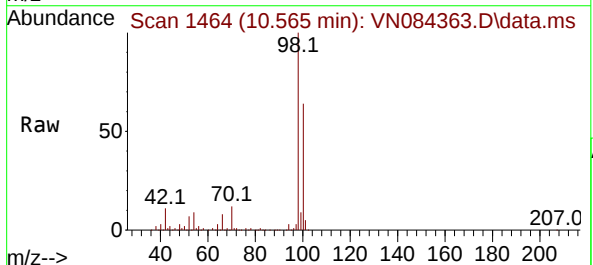
Instrument :
MSVOA_N
ClientSampleId :

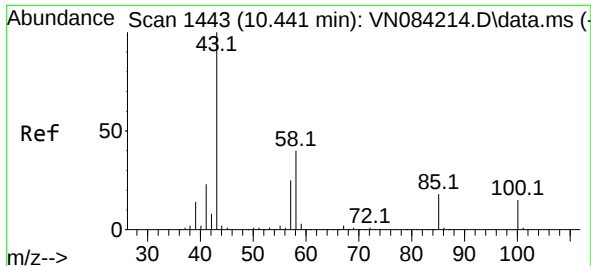
Tgt Ion: 41 Resp: 3889
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 53.4 45.8 68.6



#50
Toluene-d8
Concen: 50.796 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Tgt Ion: 98 Resp: 395289
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

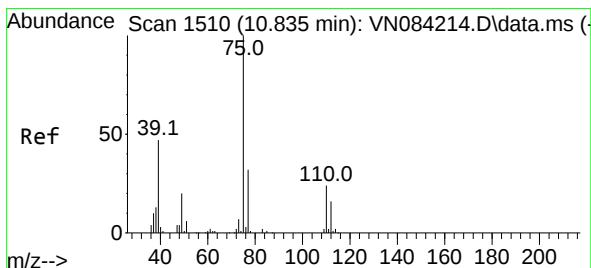
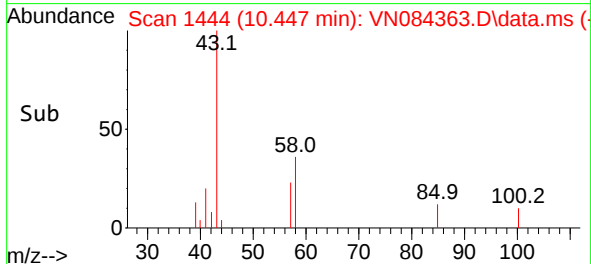
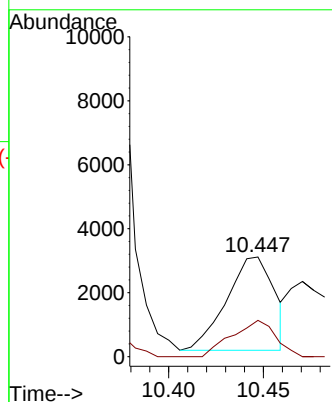
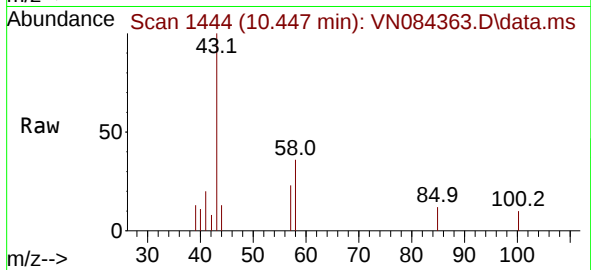




#51
4-Methyl-2-Pentanone
Concen: 1.707 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

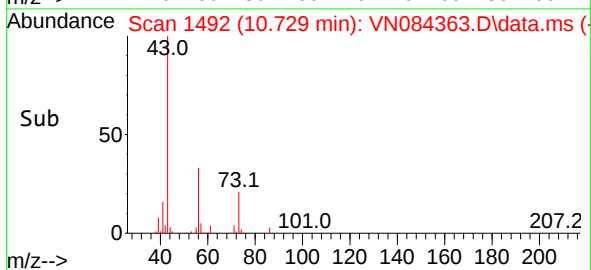
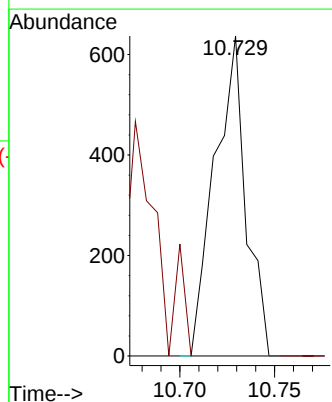
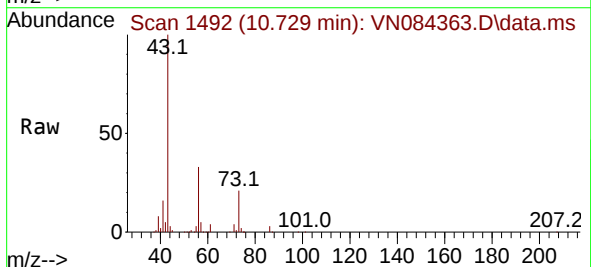
Instrument :
MSVOA_N
ClientSampleId :

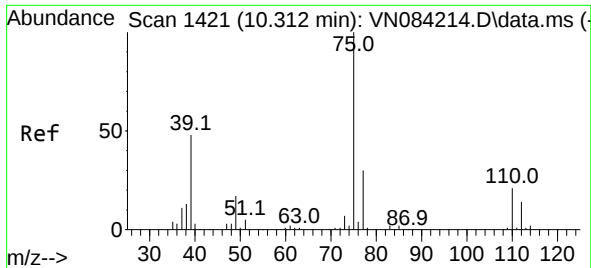
Tgt Ion: 43 Resp: 5121
Ion Ratio Lower Upper
43 100
58 35.7 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.211 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Tgt Ion: 75 Resp: 729
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

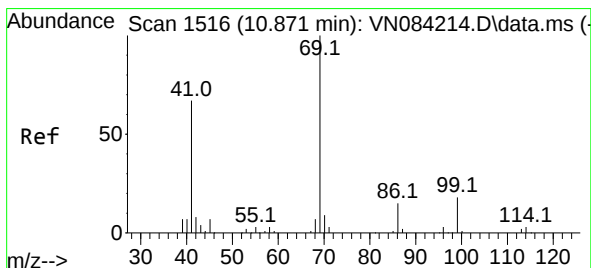
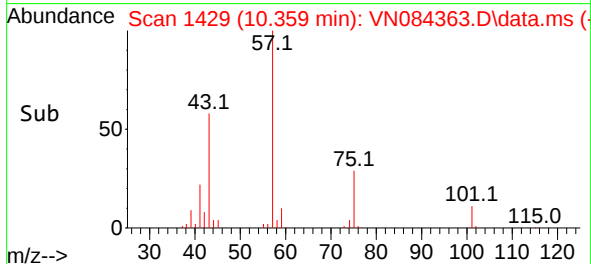
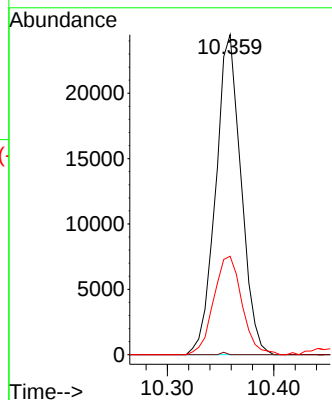
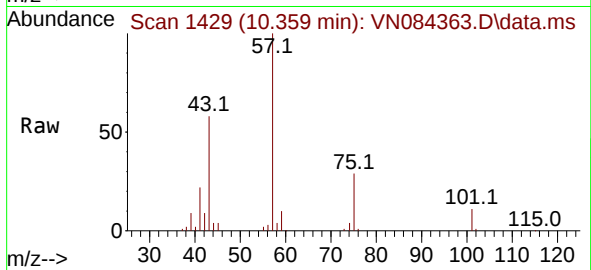




#54
 cis-1,3-Dichloropropene
 Concen: 10.845 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084363.D
 Acq: 09 Oct 2024 13:33

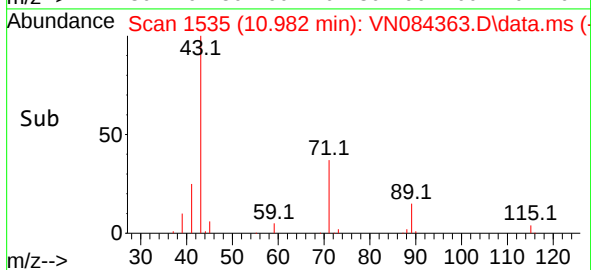
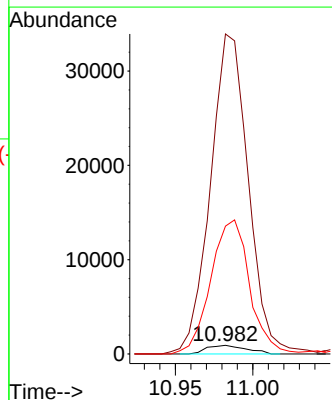
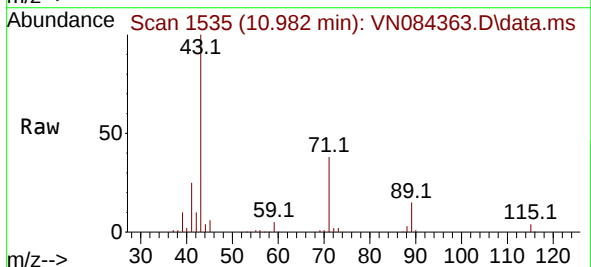
Instrument :
 MSVOA_N
 ClientSampleId :

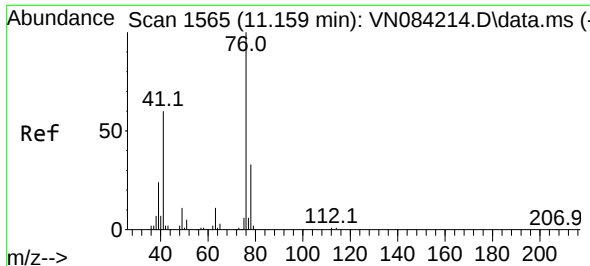
Tgt Ion: 75 Resp: 40369
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 30.8 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.472 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084363.D
 Acq: 09 Oct 2024 13:33

Tgt Ion: 69 Resp: 1625
 Ion Ratio Lower Upper
 69 100
 41 3562.3 53.3 79.9#
 39 1523.6 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.495 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

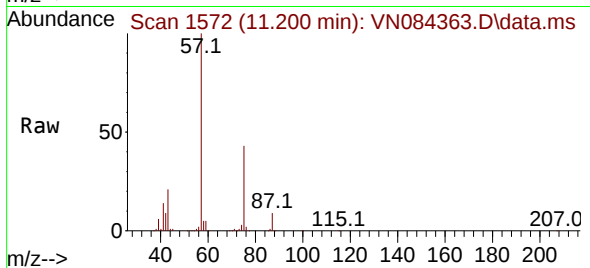
Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

Instrument :

MSVOA_N

ClientSampleId :

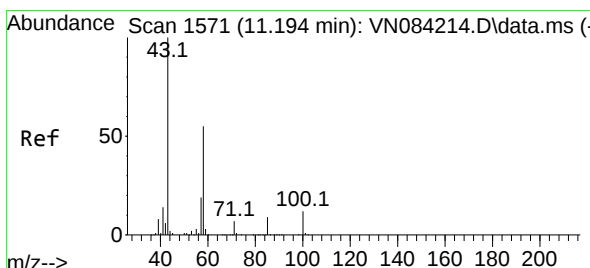
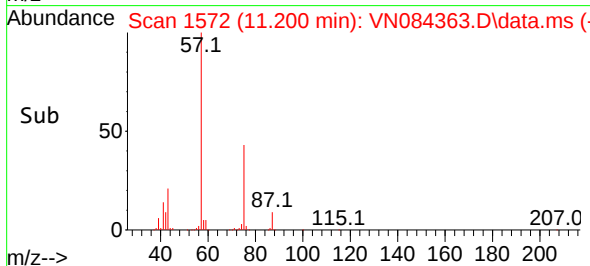
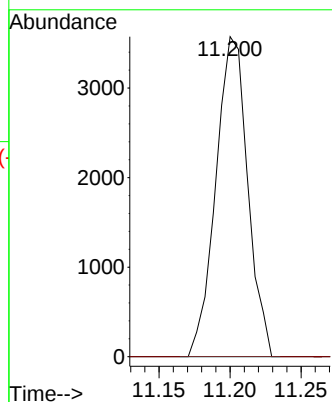


Tgt Ion: 76 Resp: 5589

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 29.297 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084363.D

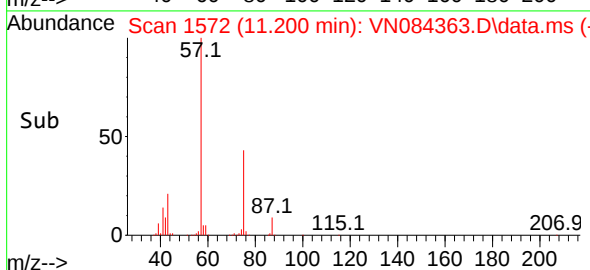
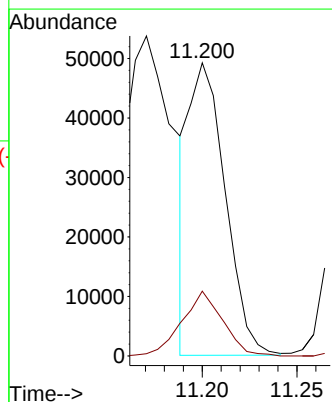
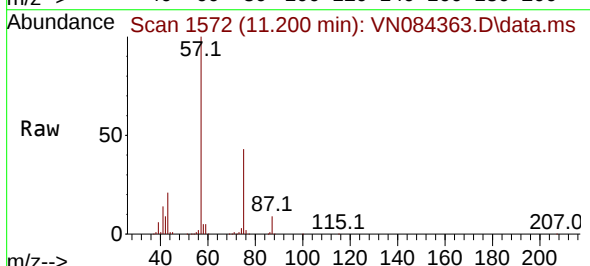
Acq: 09 Oct 2024 13:33

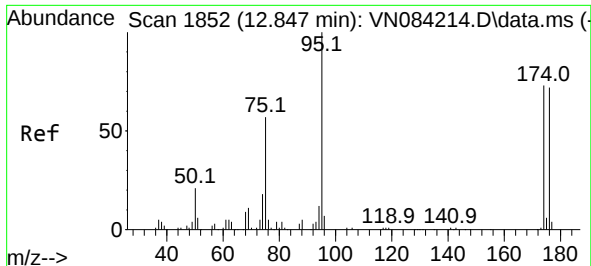
Tgt Ion: 43 Resp: 65701

Ion Ratio Lower Upper

43 100

58 25.0 27.3 81.8#

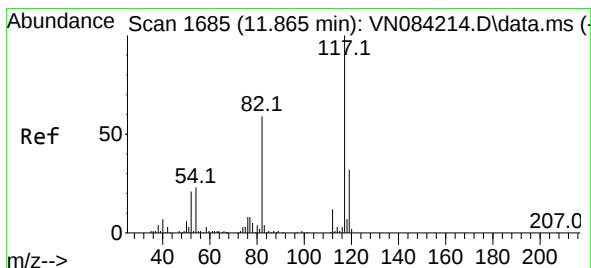
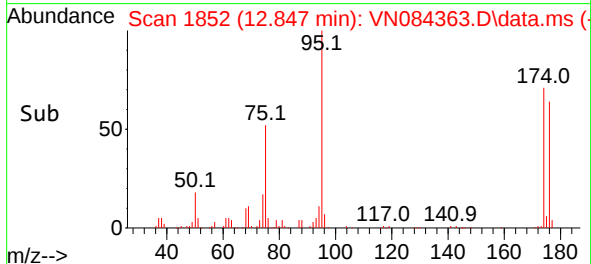
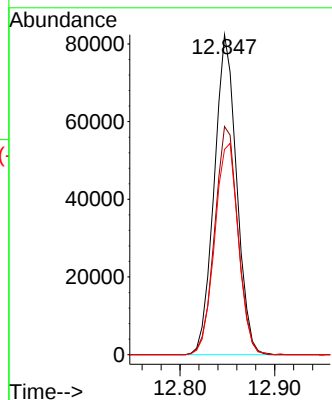
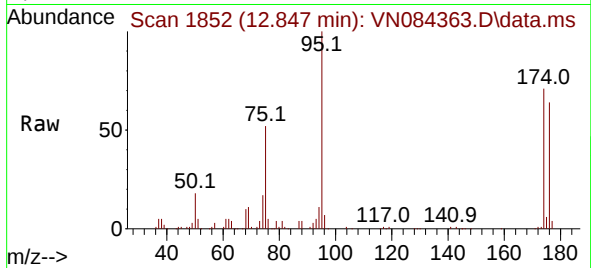




#62
4-Bromofluorobenzene
Concen: 47.676 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

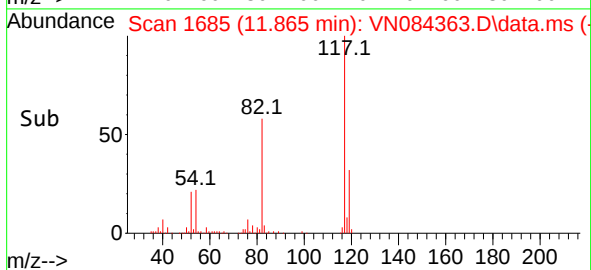
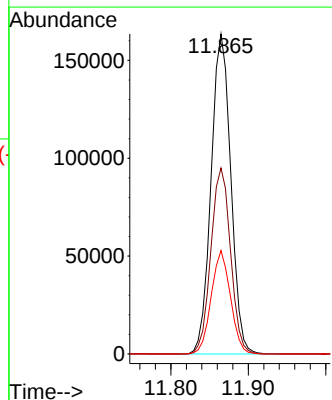
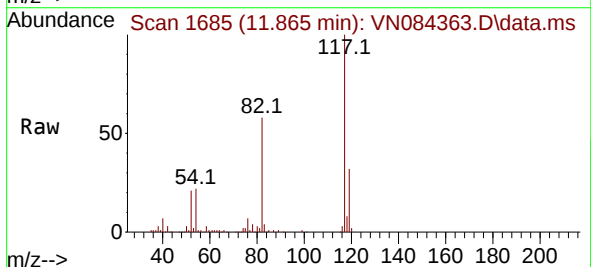
Instrument :
MSVOA_N
ClientSampleId :

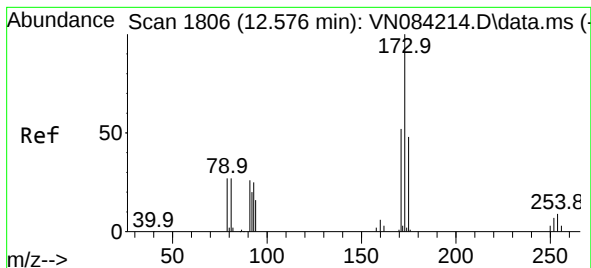
Tgt Ion: 95 Resp: 135162
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.2
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

Tgt Ion: 117 Resp: 289609
Ion Ratio Lower Upper
117 100
82 58.1 47.2 70.8
119 32.3 25.4 38.0





#71

Bromoform

Concen: 0.477 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

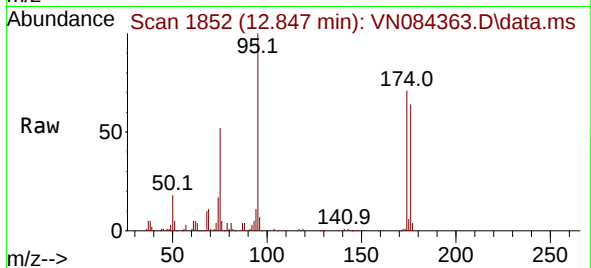
Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

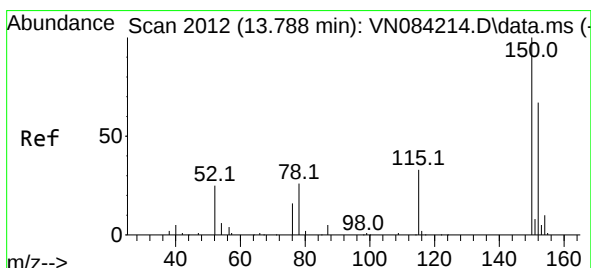
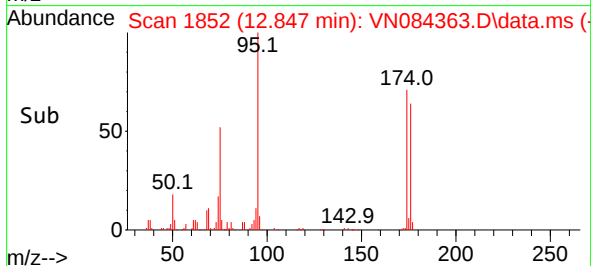
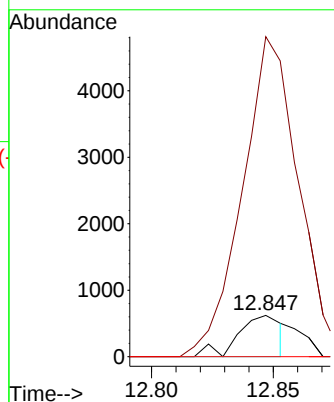
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	777
Ion Ratio	Lower	Upper	
173	100		
175	734.4	23.5	70.6#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

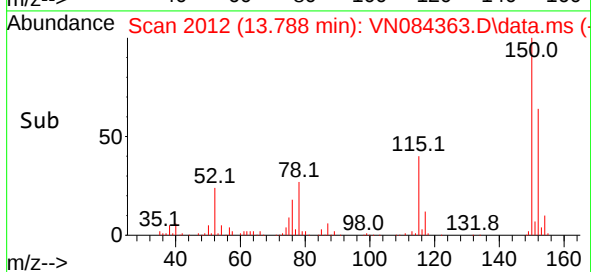
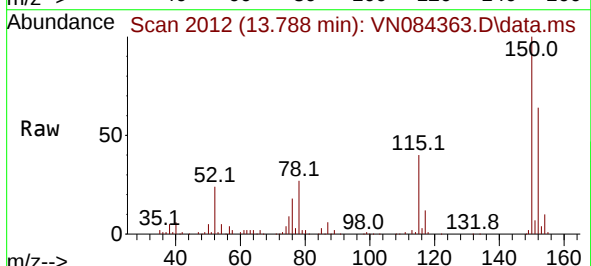
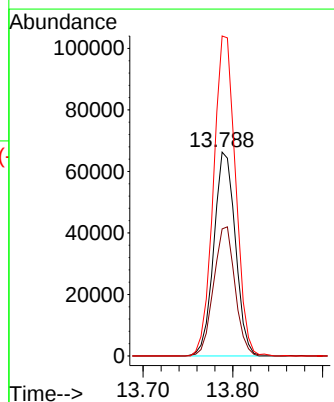
RT: 13.788 min Scan# 2012

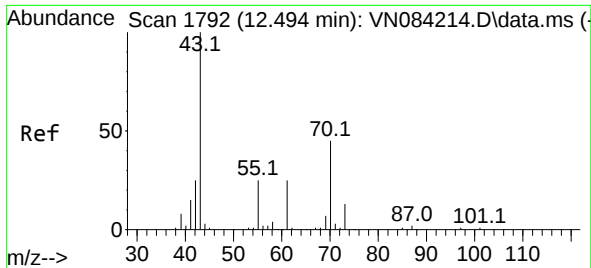
Delta R.T. -0.000 min

Lab File: VN084363.D

Acq: 09 Oct 2024 13:33

Tgt Ion:	152	Resp:	110676
Ion Ratio	Lower	Upper	
152	100		
115	62.8	31.3	93.9
150	160.4	0.0	349.8

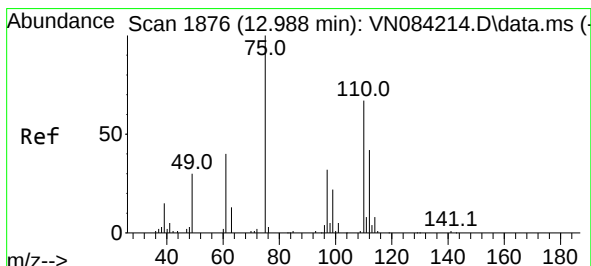
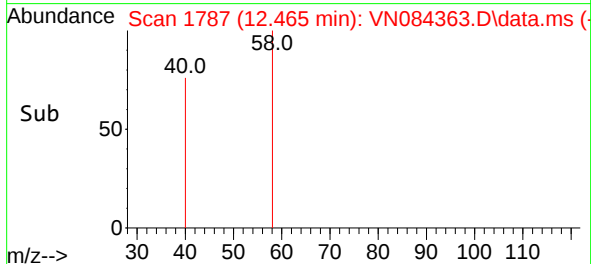
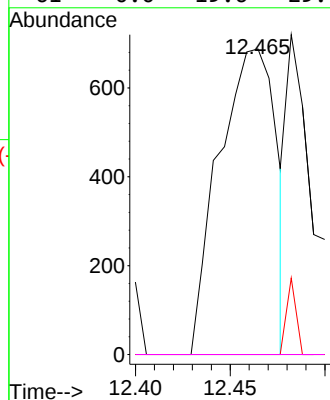
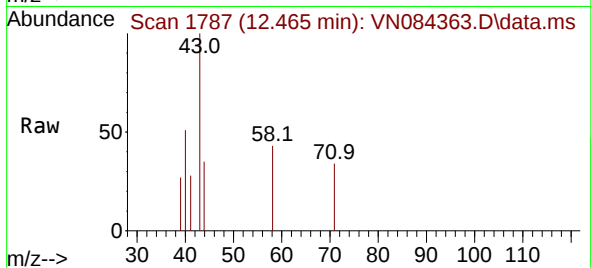




#74
N-amy1 acetate
Concen: 0.379 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

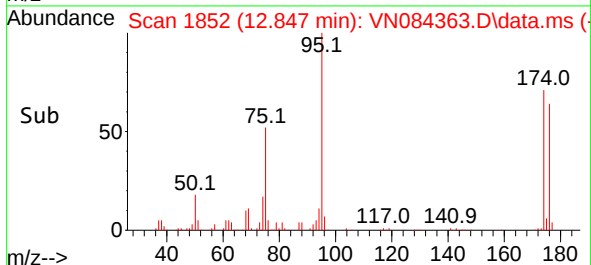
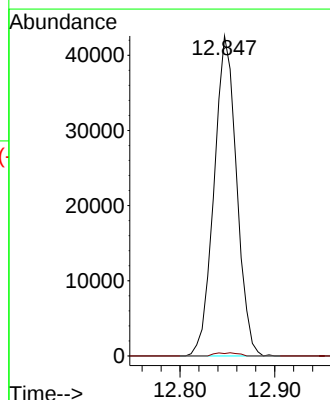
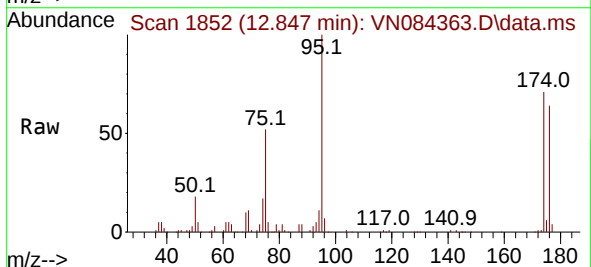
Instrument :
MSVOA_N
ClientSampleId :

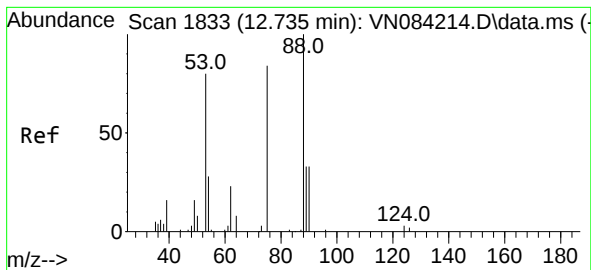
Tgt Ion: 43	Resp: 1448
Ion Ratio	Lower Upper
43 100	
70 0.0	34.4 51.6#
55 4.2	19.6 29.4#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 31.174 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084363.D
Acq: 09 Oct 2024 13:33

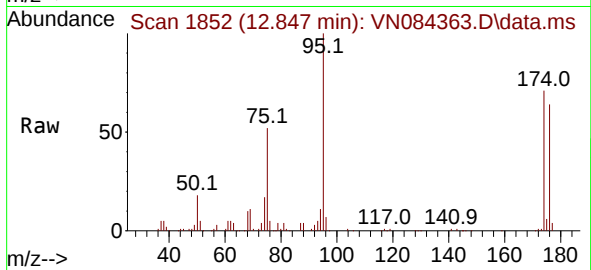
Tgt Ion: 75	Resp:	70438	
Ion Ratio	Lower	Upper	
75 100			
77 1.0	96.9	290.7#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.739 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084363.D
 Acq: 09 Oct 2024 13:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 70438
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

