

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083024\
 Data File : VN083603.D
 Acq On : 31 Aug 2024 08:33
 Operator : JC\MD
 Sample : P3769-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 01:01:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

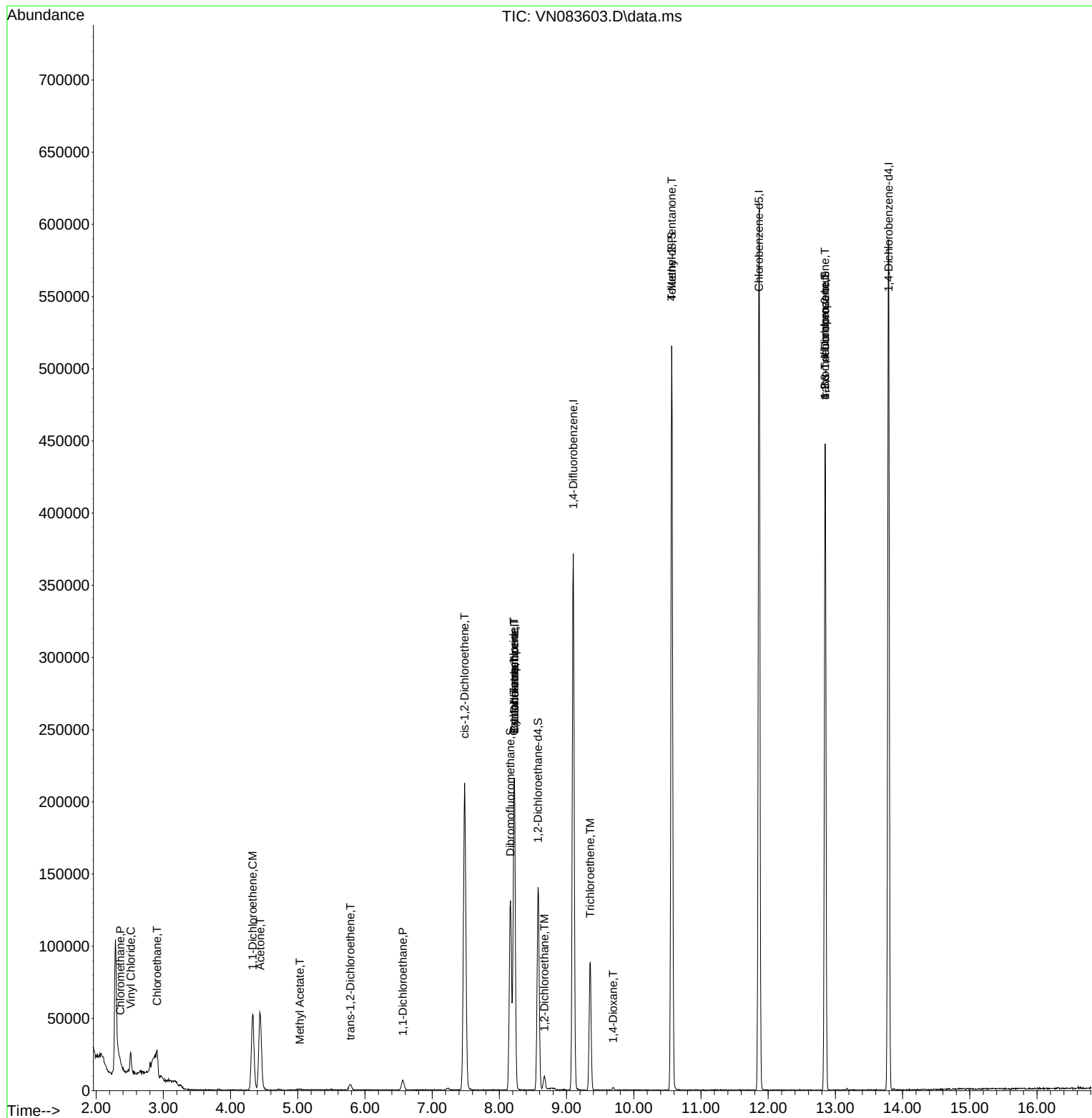
Internal Standards						
1) Pentafluorobenzene	8.224	168	152022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	152861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	120458	56.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.400%
35) Dibromofluoromethane	8.165	113	93855	50.707	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.420%
50) Toluene-d8	10.565	98	342740	47.554	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.100%
62) 4-Bromofluorobenzene	12.847	95	154915	58.018	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	116.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1768	0.943	ug/l #	84
4) Vinyl Chloride	2.518	62	12072	6.436	ug/l #	88
6) Chloroethane	2.906	64	1067	0.871	ug/l #	45
12) 1,1-Dichloroethene	4.330	96	30149	18.103	ug/l	99
16) Acetone	4.441	43	3122	3.685	ug/l	93
18) Methyl Acetate	5.030	43	1459	0.648	ug/l #	52
21) trans-1,2-Dichloroethene	5.783	96	2649	1.527	ug/l	96
24) 1,1-Dichloroethane	6.565	63	10311	3.088	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118851	57.414	ug/l	91
31) Cyclohexane	8.224	56	4192	1.275	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	13727	4.862	ug/l #	51
38) Carbon Tetrachloride	8.218	117	17016	5.282	ug/l #	16
42) 1,2-Dichloroethane	8.671	62	8829	2.742	ug/l	96
43) Isopropyl Acetate	8.682	43	193	Below Cal	#	57
44) Trichloroethene	9.353	130	30691	14.690	ug/l	99
49) 1,4-Dioxane	9.694	88	1004	26.587	ug/l #	81
51) 4-Methyl-2-Pentanone	10.565	43	1308	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	87314	28.291	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87314	66.728	ug/l #	9

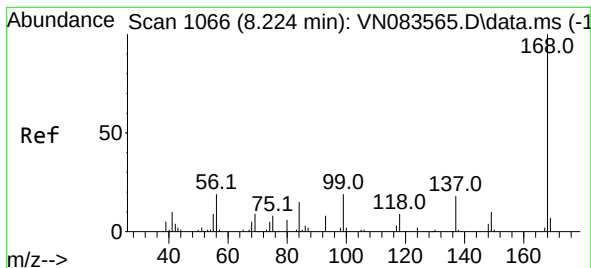
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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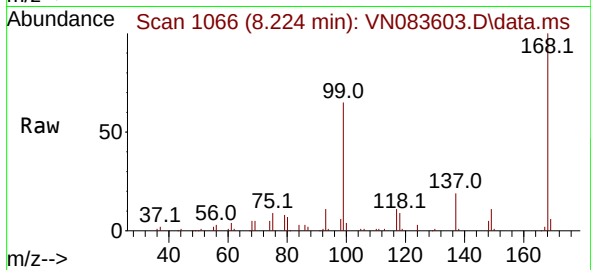
Quant Time: Sep 02 01:01:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration



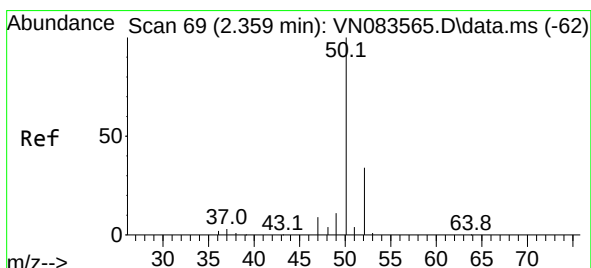
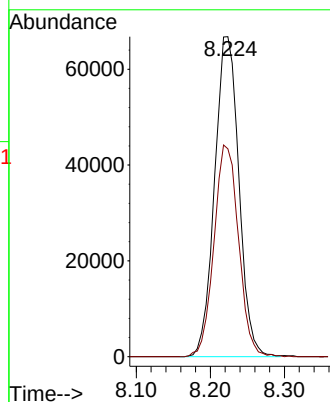
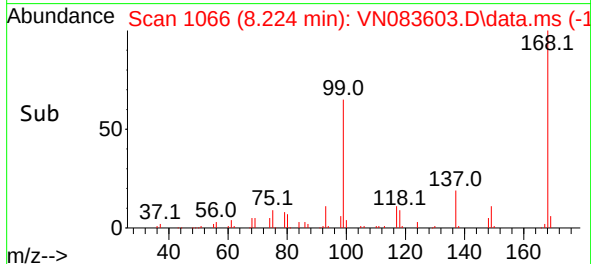


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Instrument :
MSVOA_N
ClientSampleId :

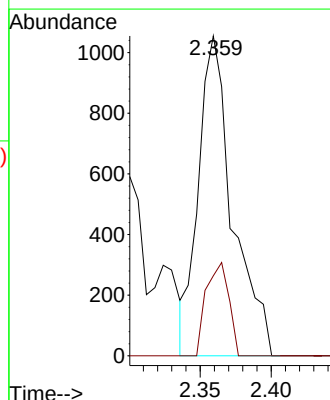
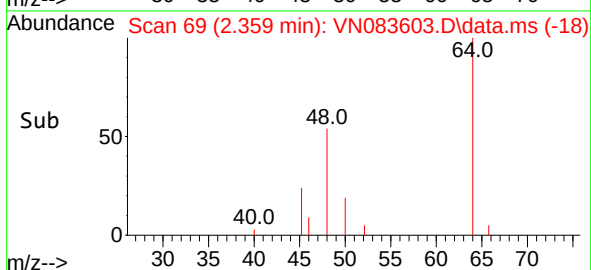
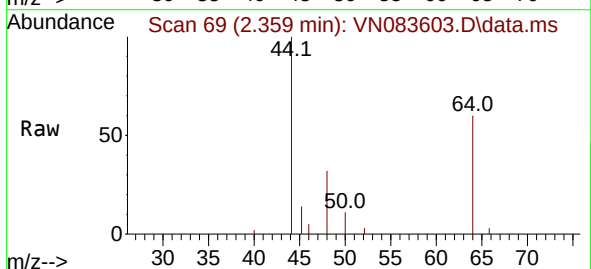


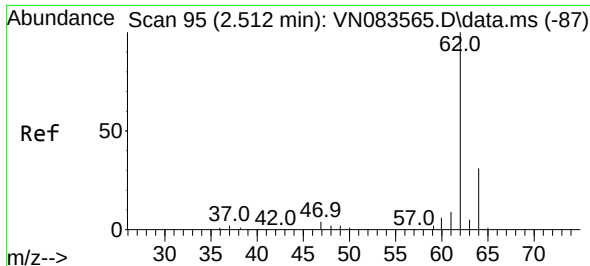
Tgt Ion:168 Resp: 152022
Ion Ratio Lower Upper
168 100
99 64.9 54.2 81.2



#3
Chloromethane
Concen: 0.943 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

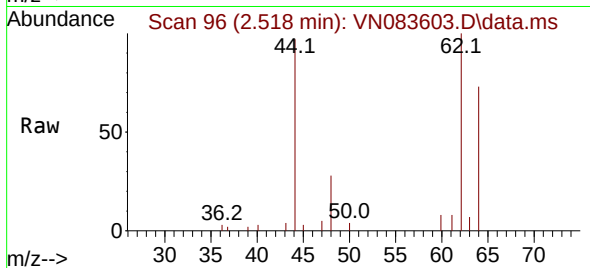
Tgt Ion: 50 Resp: 1768
Ion Ratio Lower Upper
50 100
52 25.0 27.2 40.8#



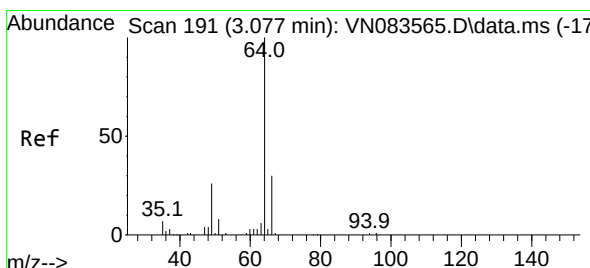
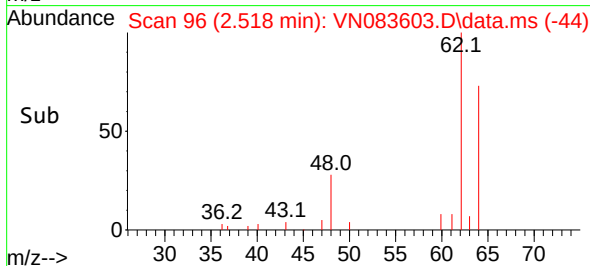
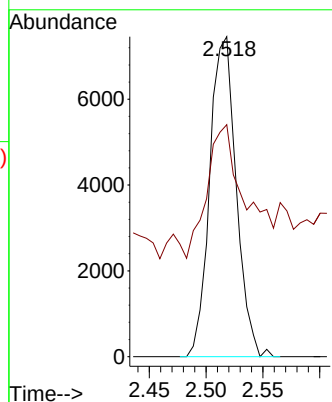


#4
 Vinyl Chloride
 Concen: 6.436 ug/l
 RT: 2.518 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN083603.D
 Acq: 31 Aug 2024 08:33

Instrument :
 MSVOA_N
 ClientSampleId :

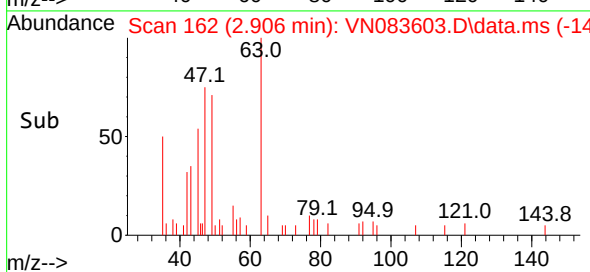
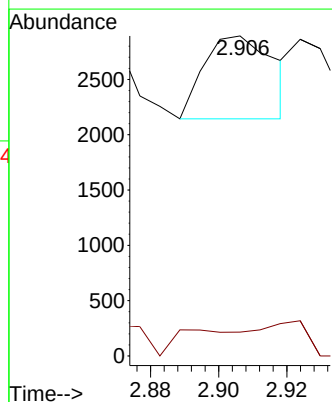
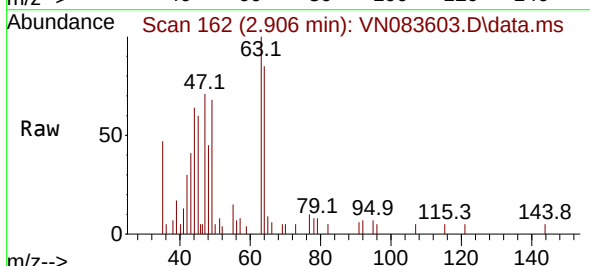


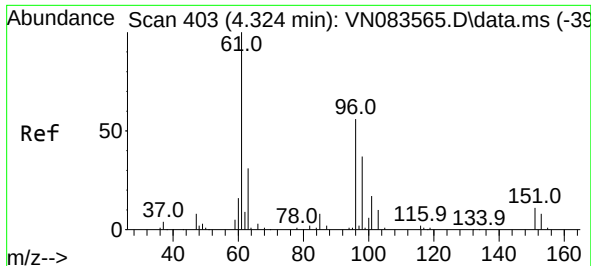
Tgt Ion: 62 Resp: 12072
 Ion Ratio Lower Upper
 62 100
 64 37.3 24.7 37.1#



#6
 Chloroethane
 Concen: 0.871 ug/l
 RT: 2.906 min Scan# 162
 Delta R.T. -0.171 min
 Lab File: VN083603.D
 Acq: 31 Aug 2024 08:33

Tgt Ion: 64 Resp: 1067
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.9 35.9#

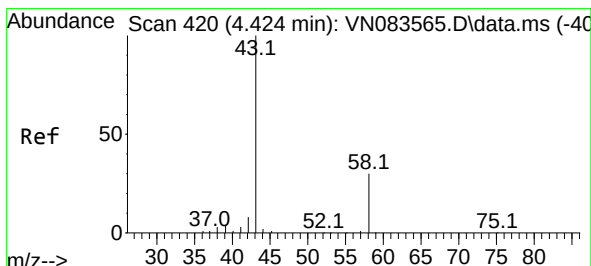
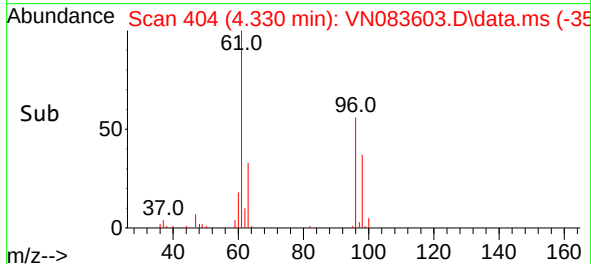
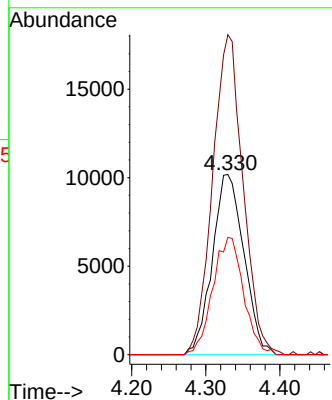
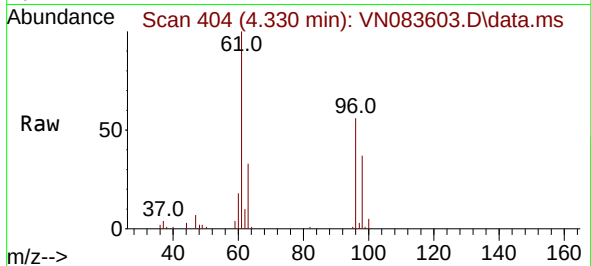




#12
1,1-Dichloroethene
Concen: 18.103 ug/l
RT: 4.330 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

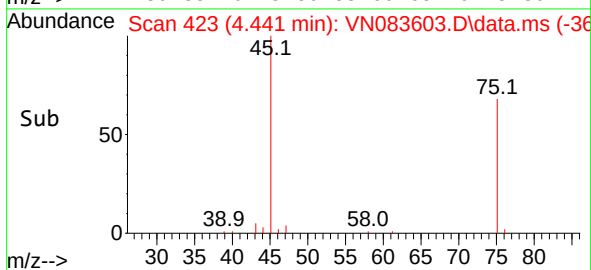
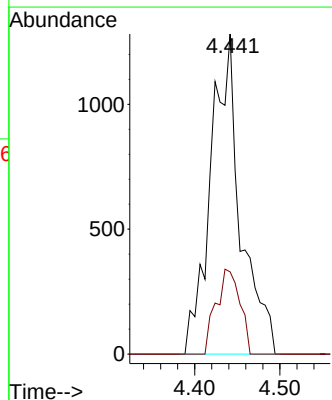
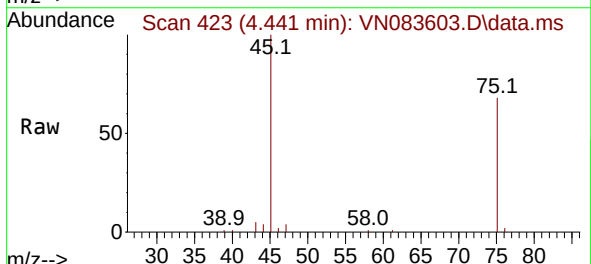
Instrument :
MSVOA_N
ClientSampleId :

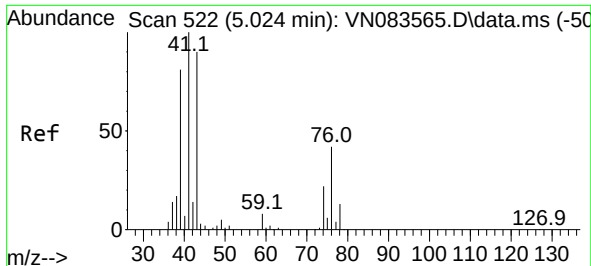
Tgt Ion: 96 Resp: 30149
Ion Ratio Lower Upper
96 100
61 177.5 143.4 215.0
98 65.1 52.7 79.1



#16
Acetone
Concen: 3.685 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
58 25.7 23.7 35.5





#18

Methyl Acetate

Concen: 0.648 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN083603.D

Acq: 31 Aug 2024 08:33

Instrument :

MSVOA_N

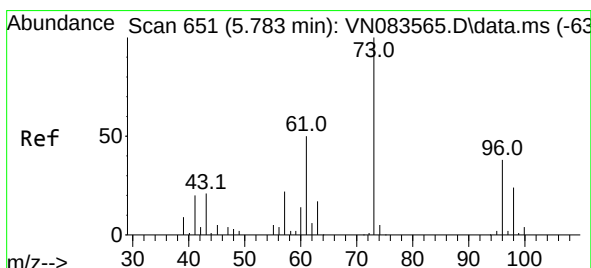
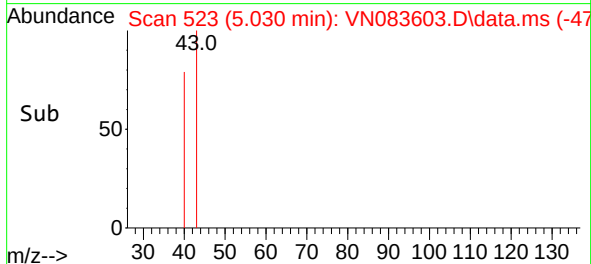
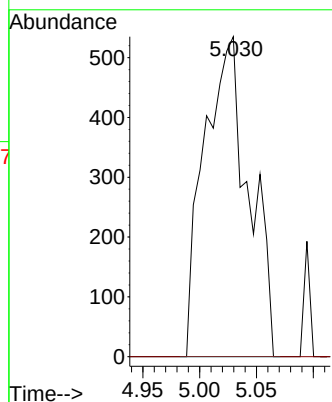
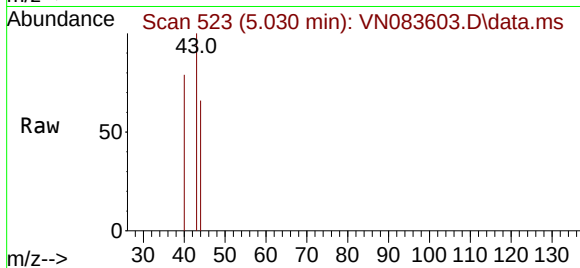
ClientSampleId :

Tgt Ion: 43 Resp: 1459

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#21

trans-1,2-Dichloroethene

Concen: 1.527 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN083603.D

Acq: 31 Aug 2024 08:33

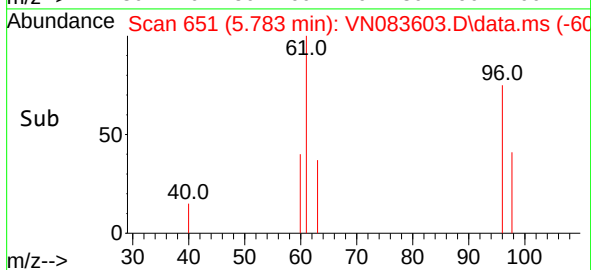
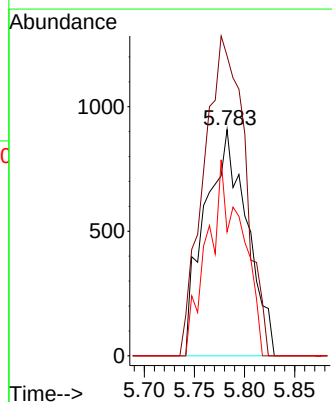
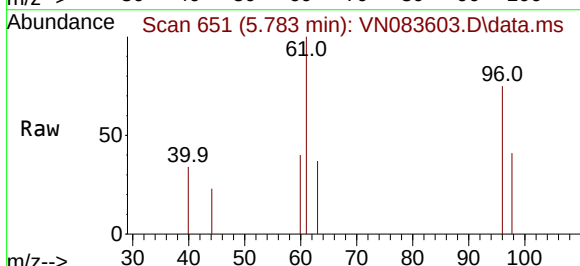
Tgt Ion: 96 Resp: 2649

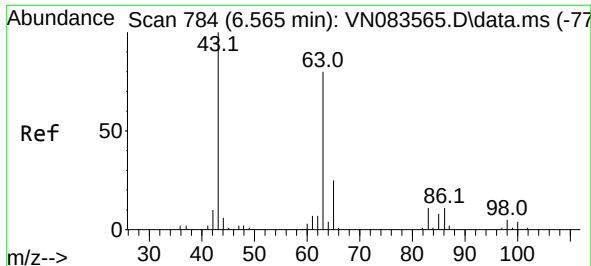
Ion Ratio Lower Upper

96 100

61 132.6 106.0 159.0

98 54.7 52.2 78.2

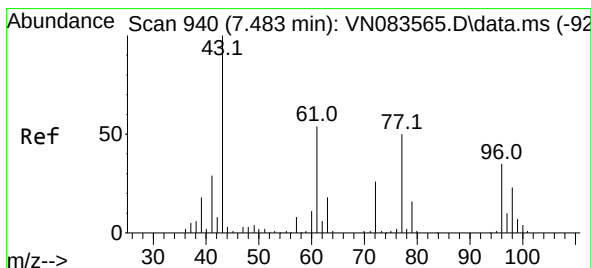
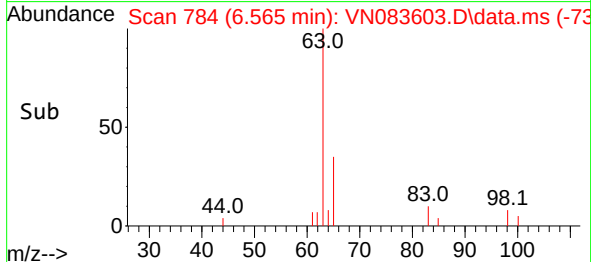
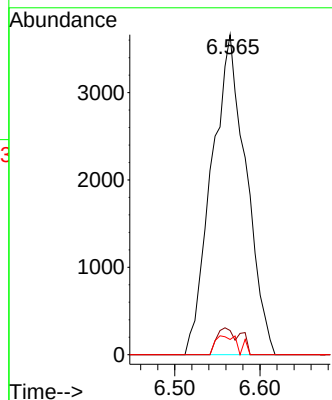
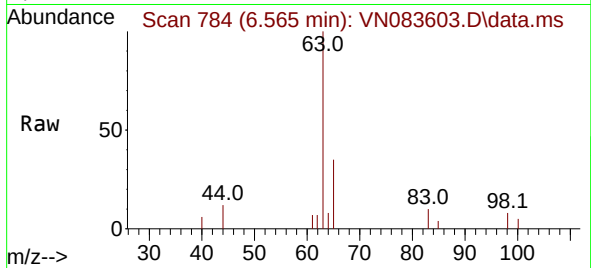




#24
1,1-Dichloroethane
Concen: 3.088 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

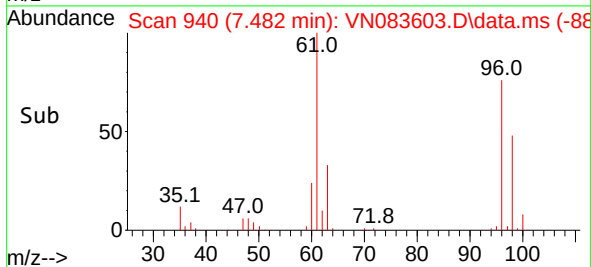
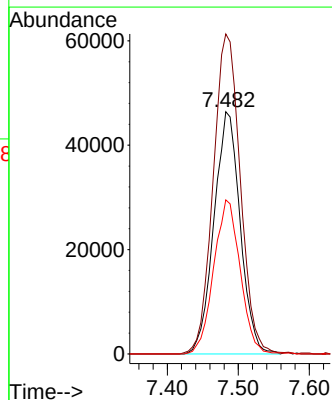
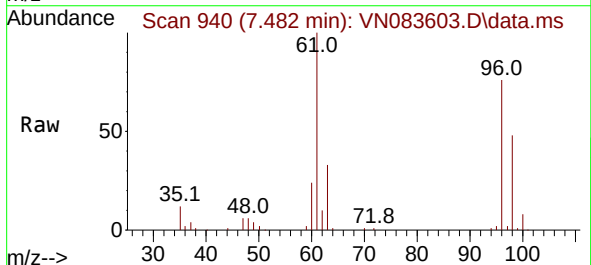
Instrument :
MSVOA_N
ClientSampleId :

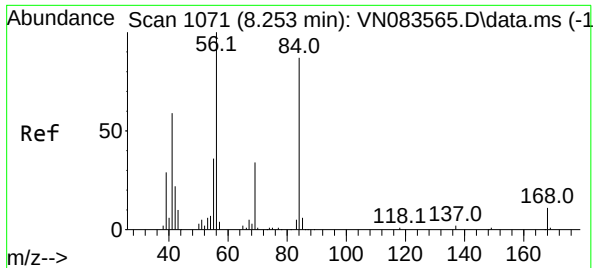
Tgt Ion: 63 Resp: 10311
Ion Ratio Lower Upper
63 100
98 7.5 3.5 10.4
100 4.8 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 57.414 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

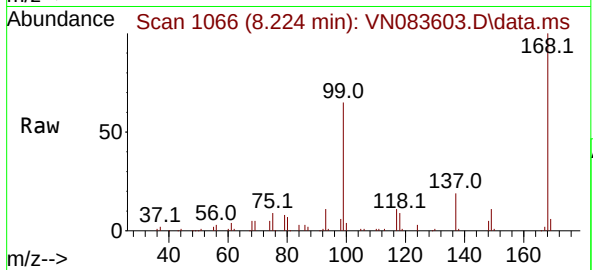
Tgt Ion: 96 Resp: 118851
Ion Ratio Lower Upper
96 100
61 136.7 0.0 306.2
98 64.3 0.0 128.6



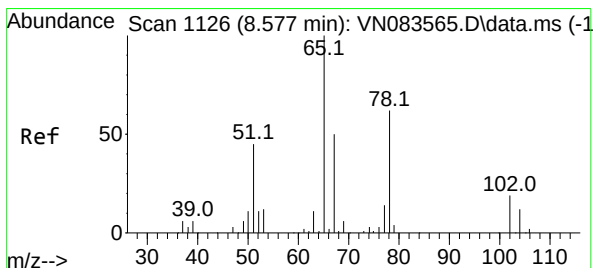
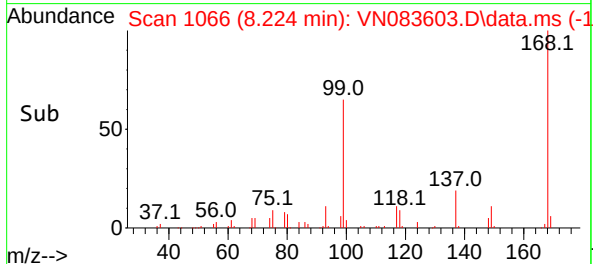
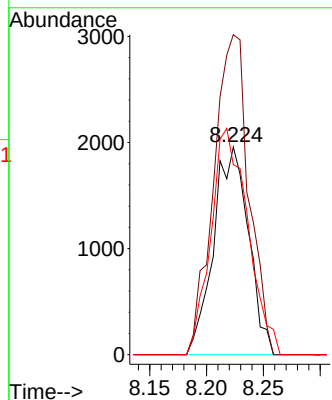


#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Instrument :
MSVOA_N
ClientSampleId :

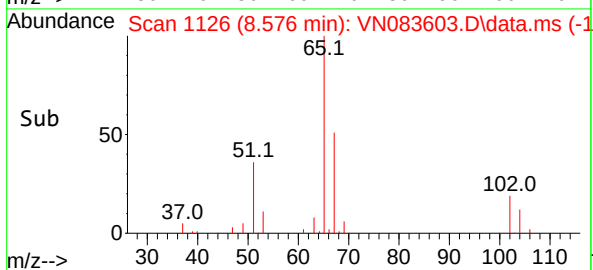
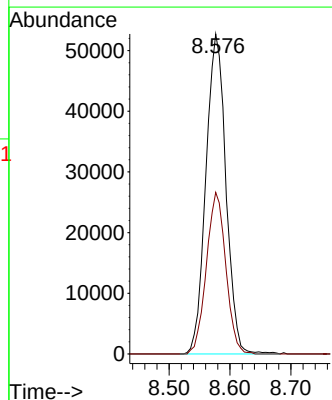
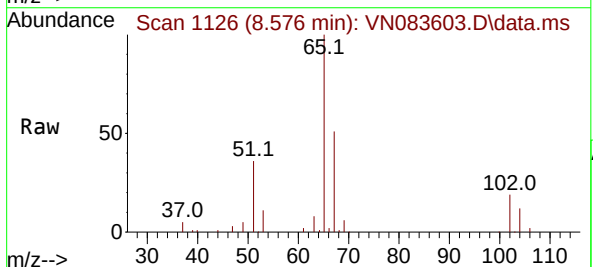


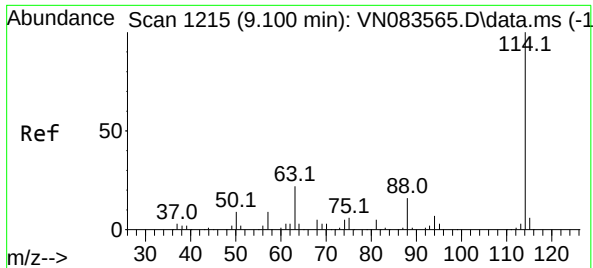
Tgt Ion: 56 Resp: 4192
Ion Ratio Lower Upper
56 100
69 154.0 26.9 40.3#
84 91.5 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 56.695 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 65 Resp: 120458
Ion Ratio Lower Upper
65 100
67 48.9 0.0 100.8

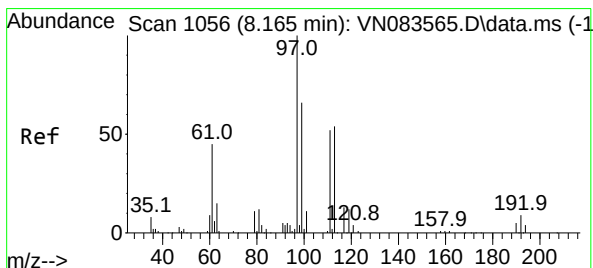
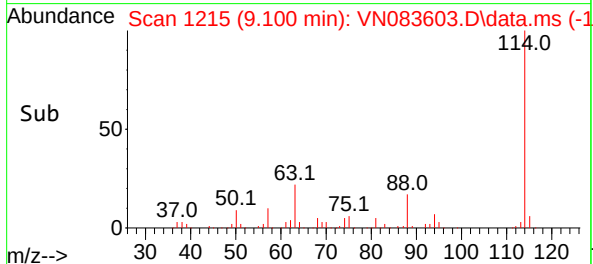
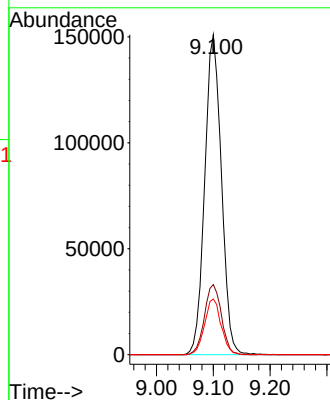
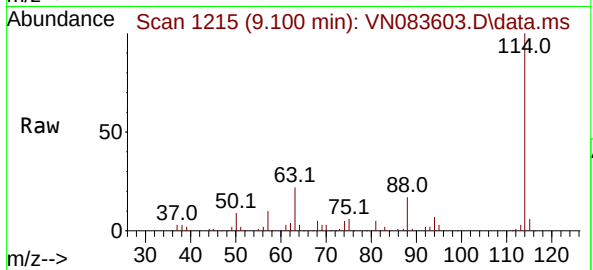




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

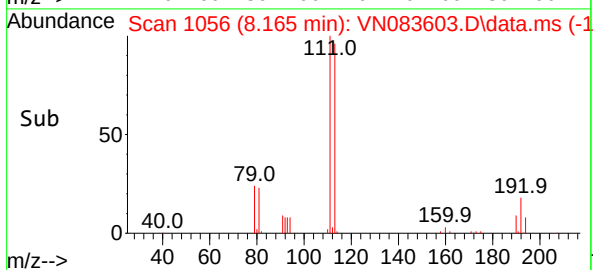
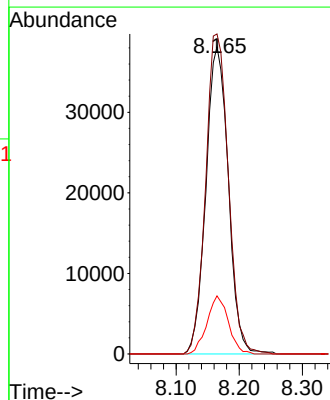
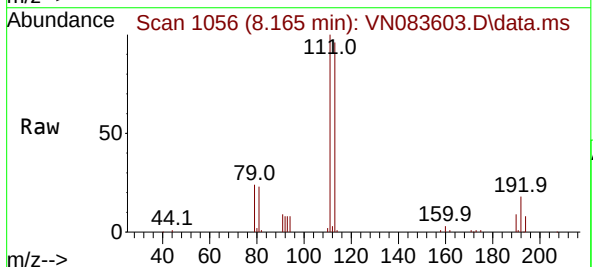
Instrument :
MSVOA_N
ClientSampleId :

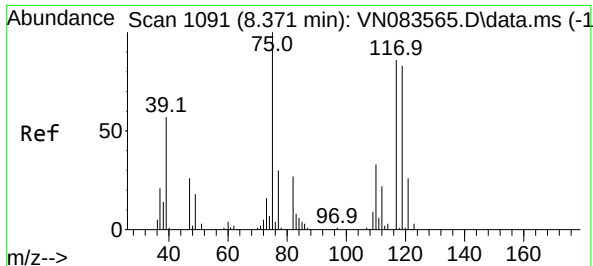
Tgt Ion:114 Resp: 307527
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.4
88 17.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.707 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion:113 Resp: 93855
Ion Ratio Lower Upper
113 100
111 105.4 82.6 124.0
192 18.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.862 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083603.D

Acq: 31 Aug 2024 08:33

Instrument :

MSVOA_N

ClientSampleId :

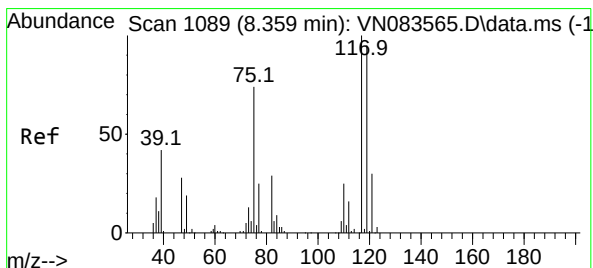
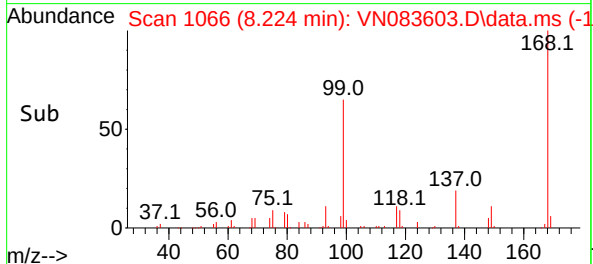
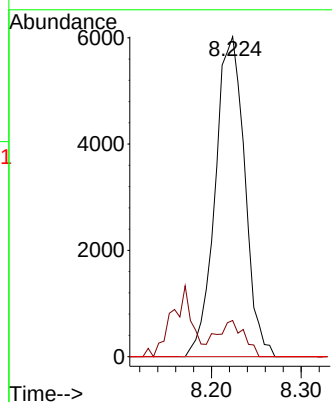
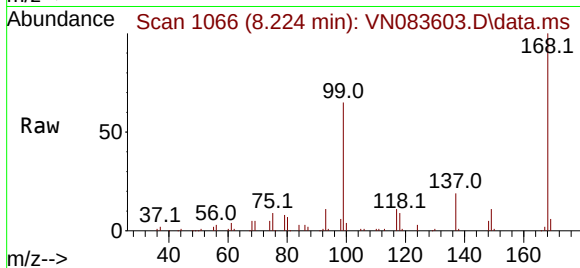
Tgt Ion: 75 Resp: 13727

Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.282 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083603.D

Acq: 31 Aug 2024 08:33

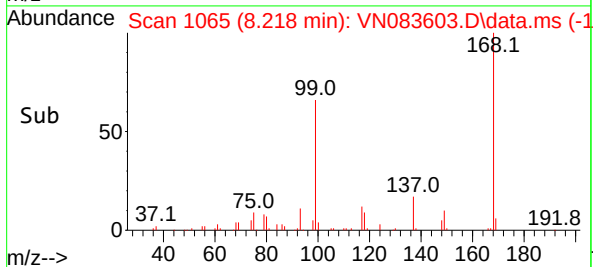
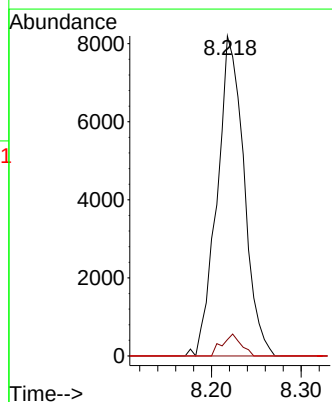
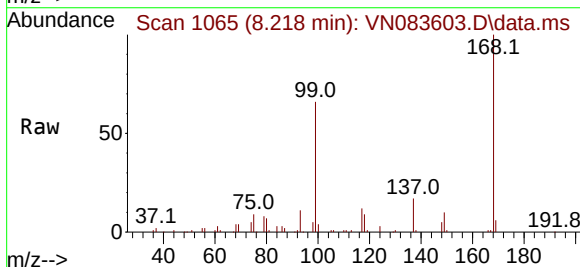
Tgt Ion: 117 Resp: 17016

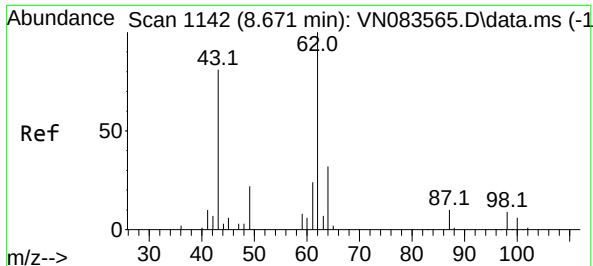
Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

121 0.0 24.1 36.1#

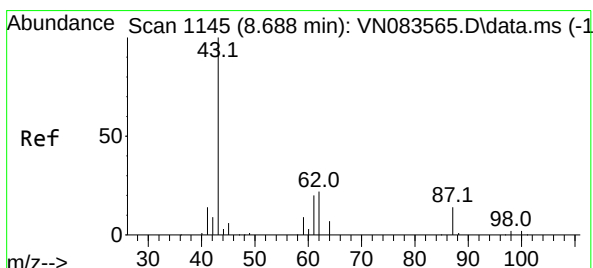
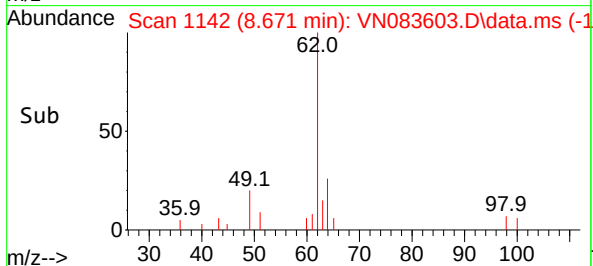
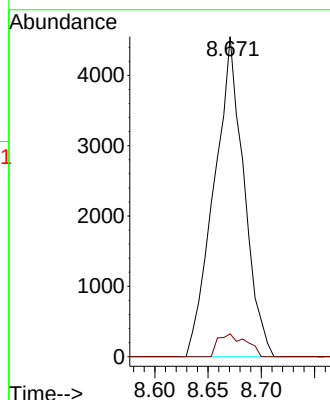
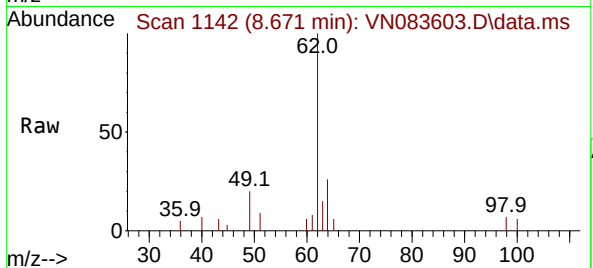




#42
1,2-Dichloroethane
Concen: 2.742 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

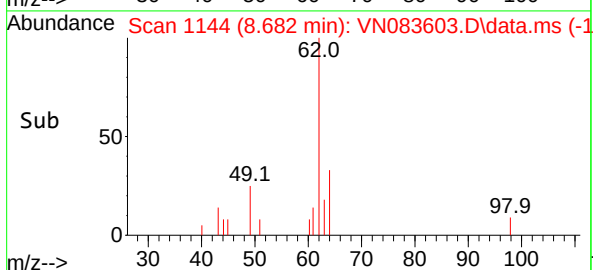
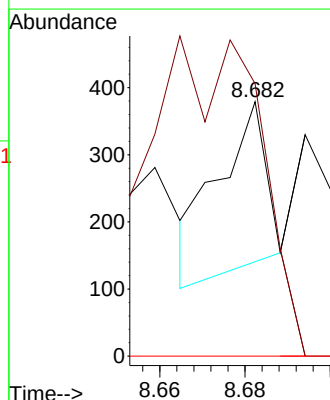
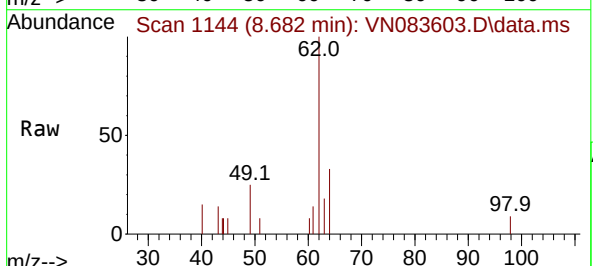
Instrument :
MSVOA_N
ClientSampleId :

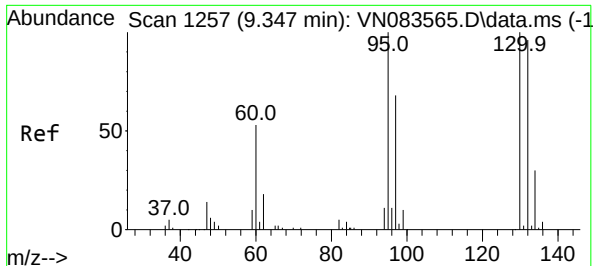
Tgt Ion: 62 Resp: 8829
Ion Ratio Lower Upper
62 100
98 6.7 0.0 16.6



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

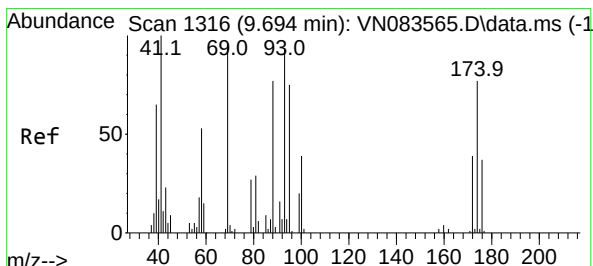
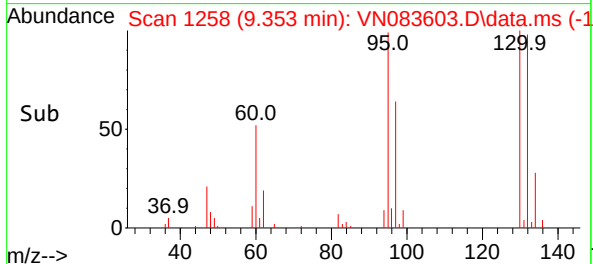
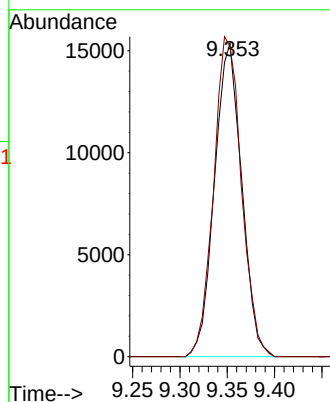
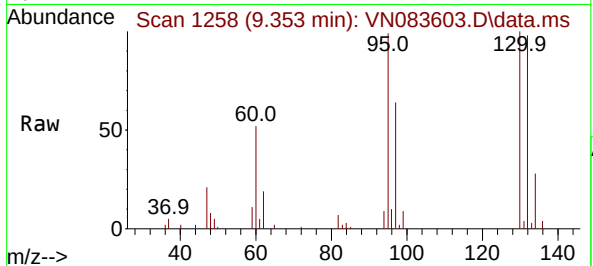




#44
Trichloroethene
Concen: 14.690 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

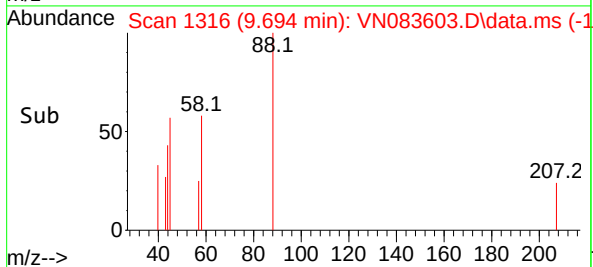
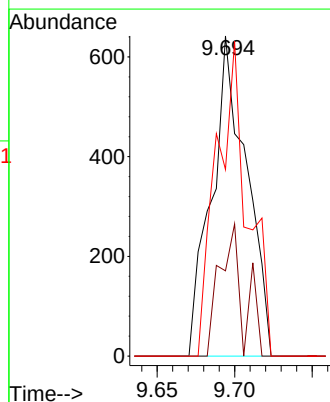
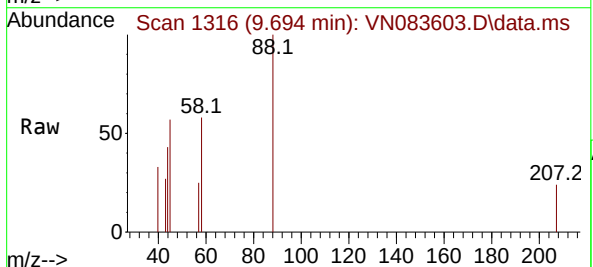
Instrument :
MSVOA_N
ClientSampleId :

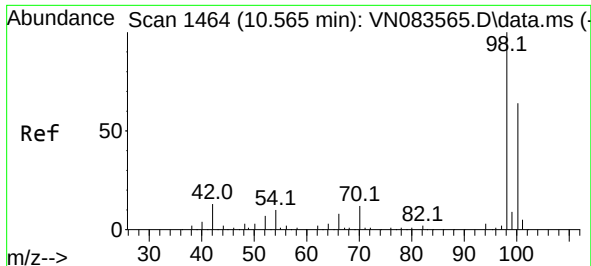
Tgt Ion:130 Resp: 30691
Ion Ratio Lower Upper
130 100
95 98.9 0.0 200.4



#49
1,4-Dioxane
Concen: 26.587 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 88 Resp: 1004
Ion Ratio Lower Upper
88 100
43 28.3 0.0 0.0#
58 87.5 57.1 85.7#

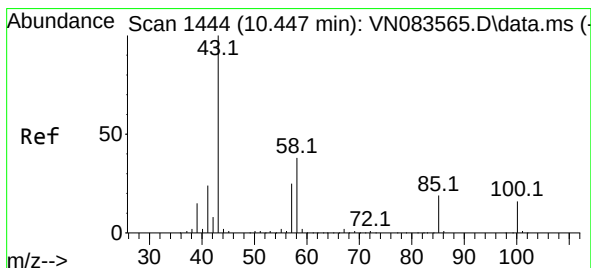
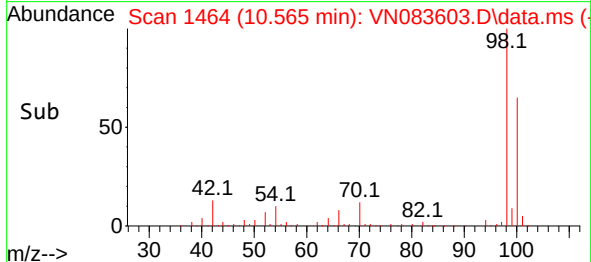
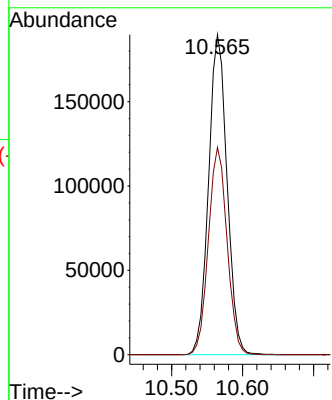
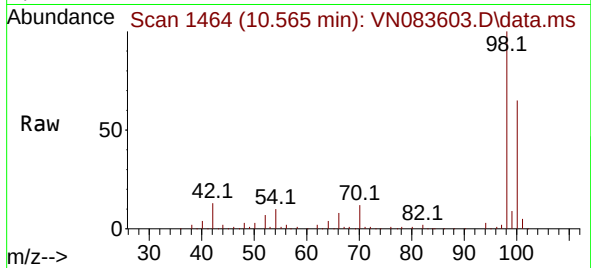




#50
Toluene-d8
Concen: 47.554 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

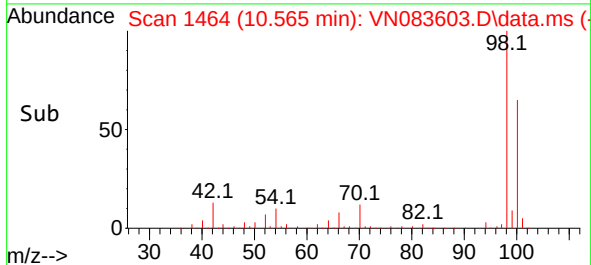
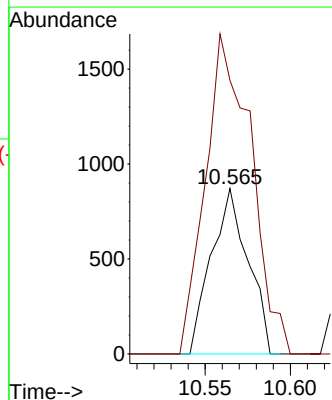
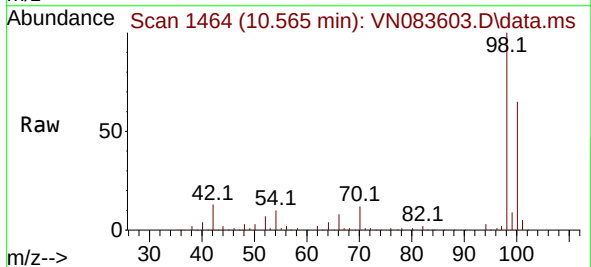
Instrument :
MSVOA_N
ClientSampleId :

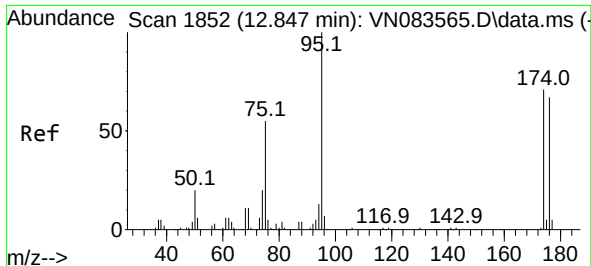
Tgt Ion: 98 Resp: 342740
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 240.5 31.6 47.4#

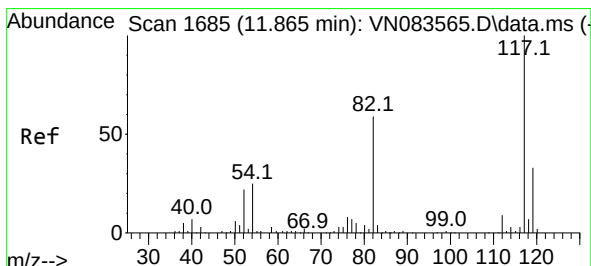
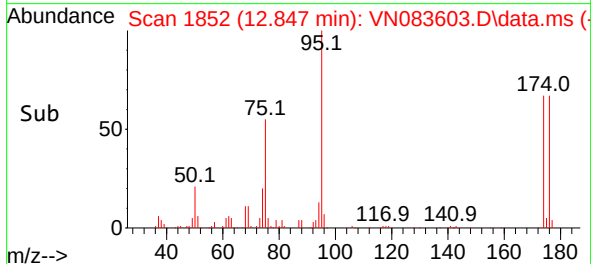
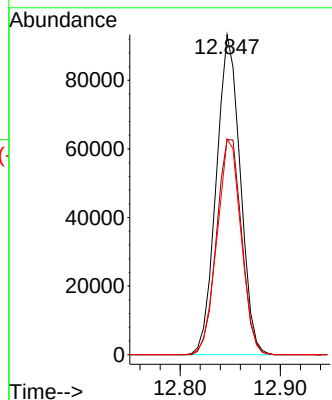
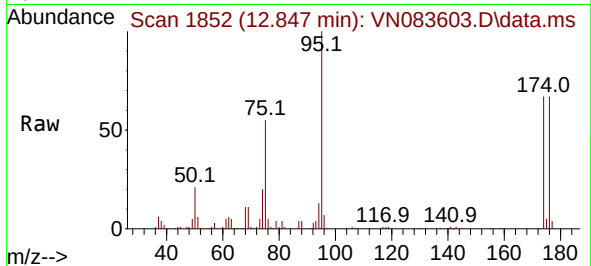




#62
4-Bromofluorobenzene
Concen: 58.018 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

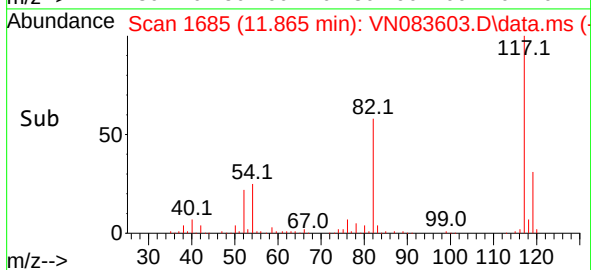
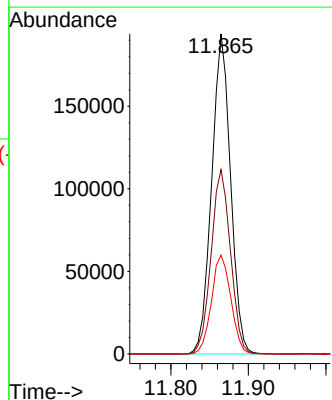
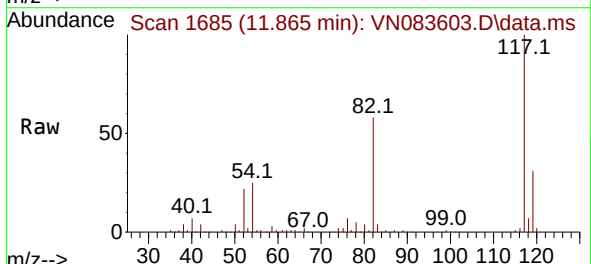
Instrument :
MSVOA_N
ClientSampleId :

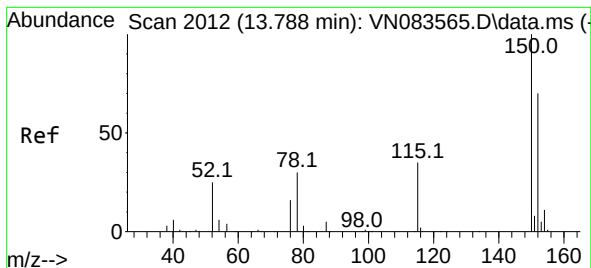
Tgt Ion: 95 Resp: 154915
Ion Ratio Lower Upper
95 100
174 70.2 0.0 139.8
176 67.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Tgt Ion: 117 Resp: 327957
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.0
119 30.9 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN083603.D

Acq: 31 Aug 2024 08:33

Instrument :

MSVOA_N

ClientSampleId :

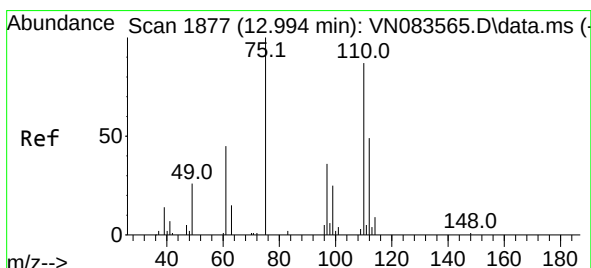
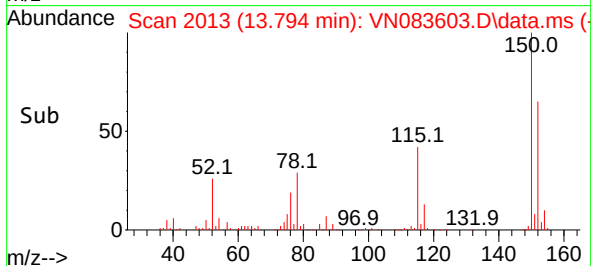
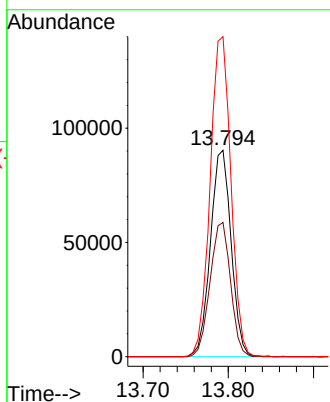
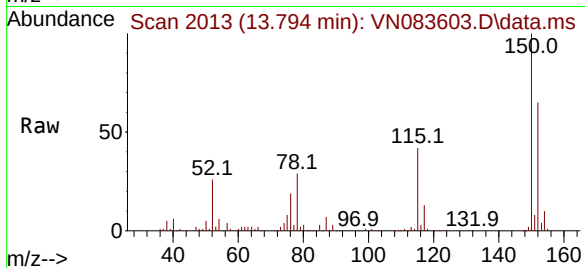
Tgt Ion:152 Resp: 152861

Ion Ratio Lower Upper

152 100

115 64.5 32.2 96.6

150 155.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.291 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083603.D

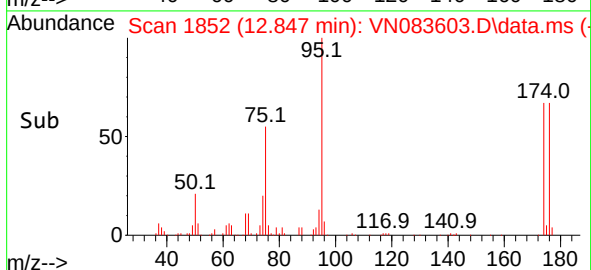
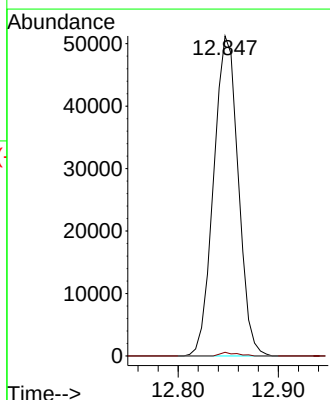
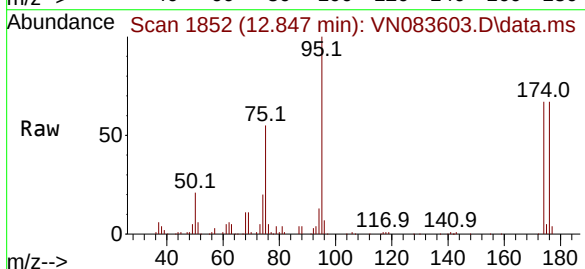
Acq: 31 Aug 2024 08:33

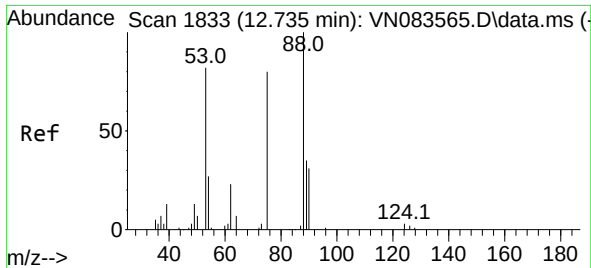
Tgt Ion: 75 Resp: 87314

Ion Ratio Lower Upper

75 100

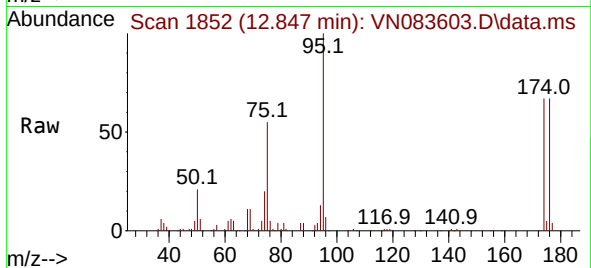
77 0.8 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.728 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083603.D
Acq: 31 Aug 2024 08:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 87314
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

