

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084601.D
 Acq On : 31 Oct 2024 05:21
 Operator : JC\MD
 Sample : P4611-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 05:21:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

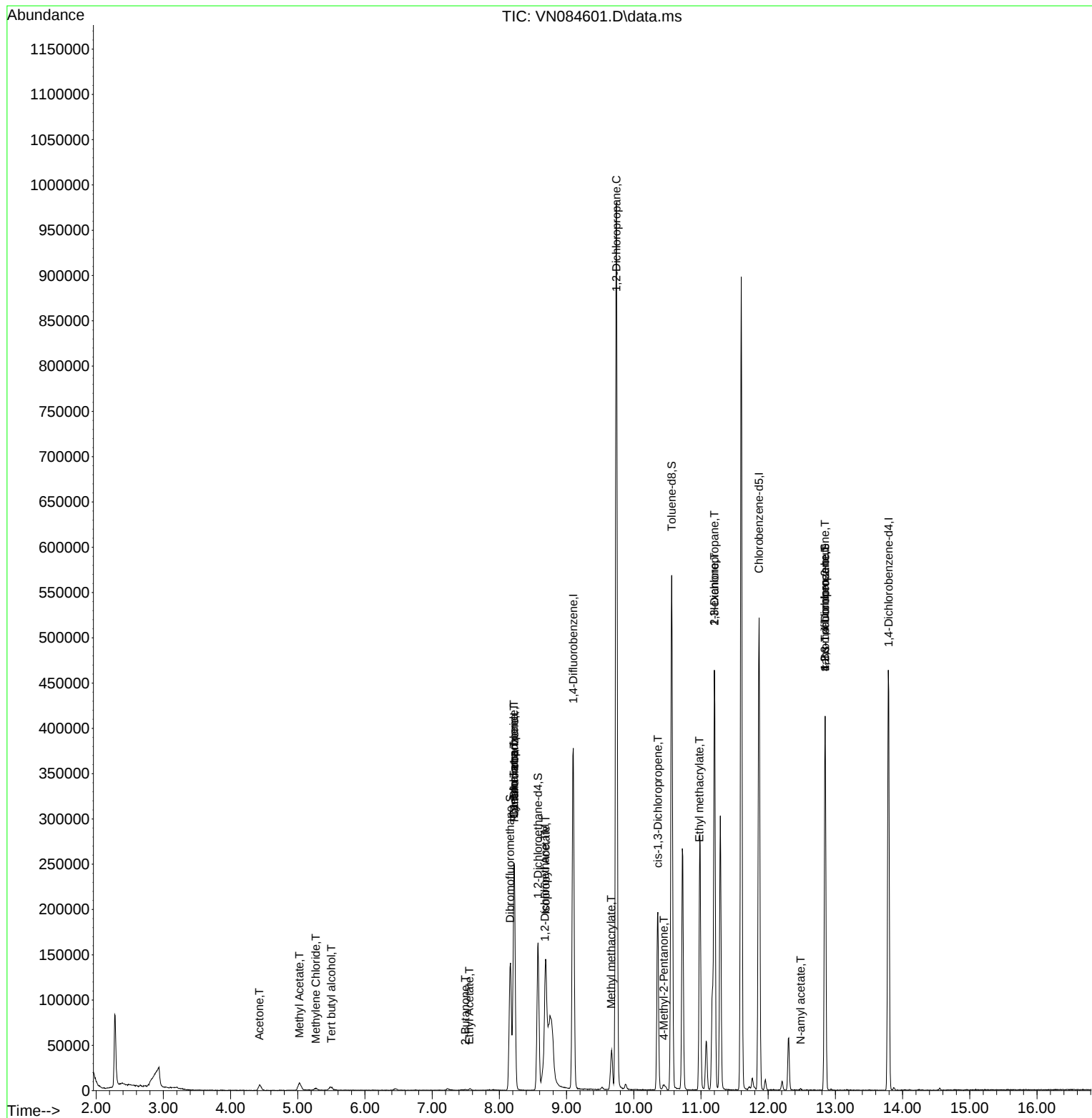
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

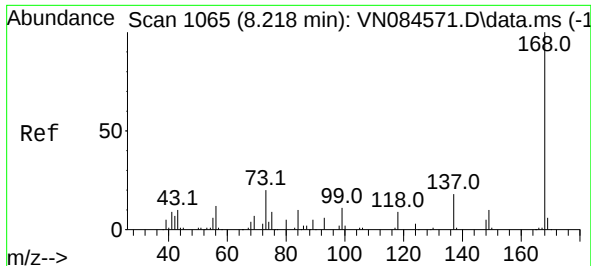
Internal Standards						
1) Pentafluorobenzene	8.224	168	177732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129504	50.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.900%			
35) Dibromofluoromethane	8.159	113	104423	47.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.500%			
50) Toluene-d8	10.565	98	388088	47.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.360%			
62) 4-Bromofluorobenzene	12.847	95	142013	46.680	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1238	Below Cal	#	41
6) Chloroethane	3.130	64	184	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	3721	10.981	ug/l #	73
16) Acetone	4.430	43	12096	13.615	ug/l	99
18) Methyl Acetate	5.024	43	18301	3.004	ug/l	97
20) Methylene Chloride	5.271	84	1615	0.715	ug/l #	65
25) 2-Butanone	7.494	43	1650	1.378	ug/l	97
31) Cyclohexane	8.218	56	4222	1.191	ug/l #	11
36) 1,1-Dichloropropene	8.218	75	15513	5.062	ug/l #	49
37) Ethyl Acetate	7.553	43	3007	1.081	ug/l #	81
38) Carbon Tetrachloride	8.218	117	19585	5.717	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	979	0.307	ug/l #	75
43) Isopropyl Acetate	8.688	43	197375	38.195	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1387	0.601	ug/l #	44
48) Methyl methacrylate	9.665	41	2924	1.351	ug/l #	41
51) 4-Methyl-2-Pentanone	10.447	43	7568	2.855	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	35773	9.508	ug/l #	65
56) Ethyl methacrylate	10.977	69	1659	0.529	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4394	1.181	ug/l #	42
59) 2-Hexanone	11.200	43	56534	29.301	ug/l #	56
74) N-amyl acetate	12.482	43	1187	0.314	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74176	29.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74176	69.480	ug/l #	11

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

Instrument :
MSVOA_N
ClientSampleId :

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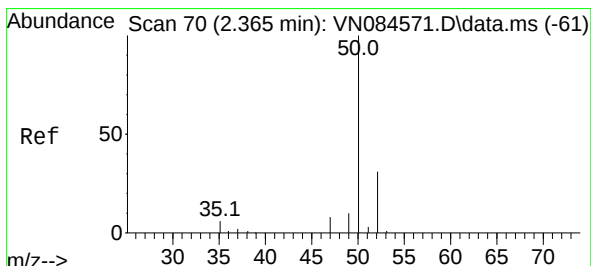
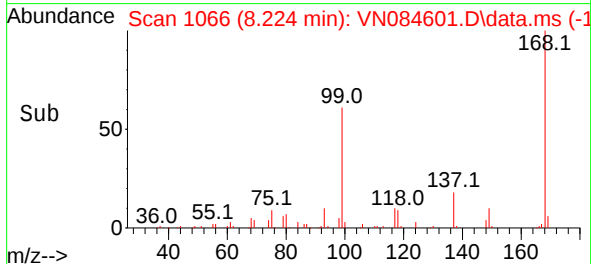
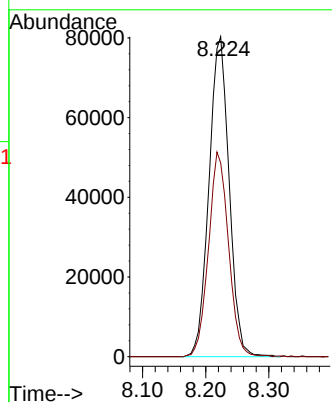
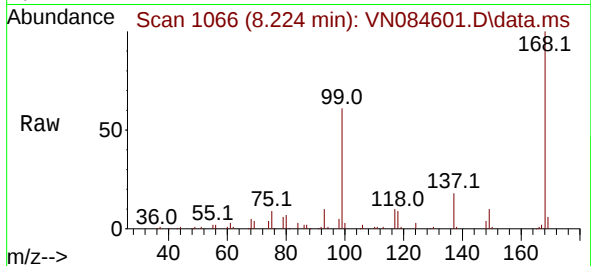




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

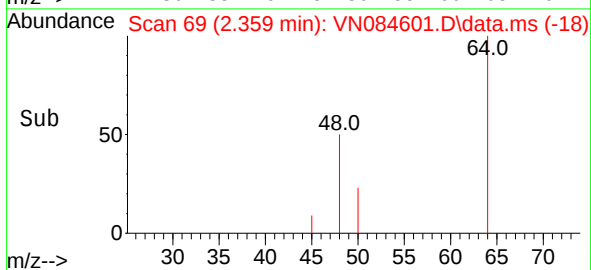
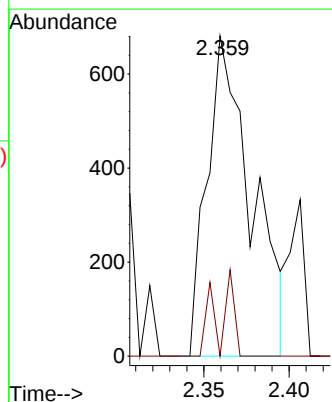
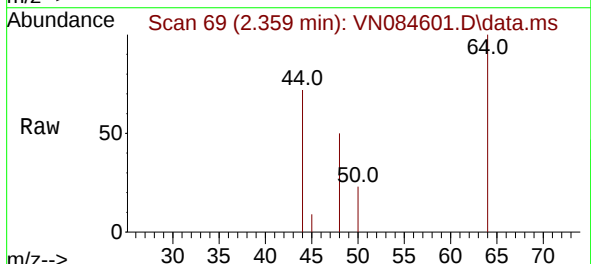
Instrument :
MSVOA_N
ClientSampleId :

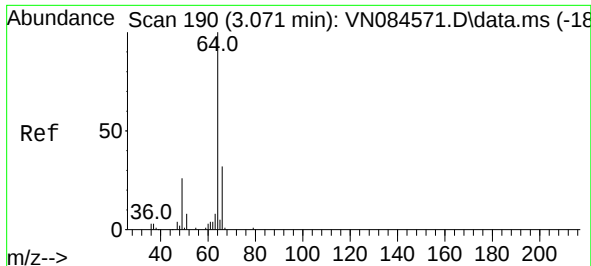
Tgt Ion:168 Resp: 177732
Ion Ratio Lower Upper
168 100
99 60.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

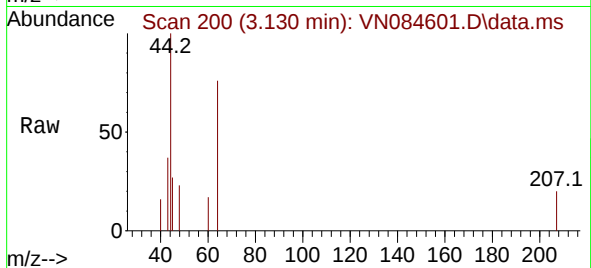
Tgt Ion: 50 Resp: 1238
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



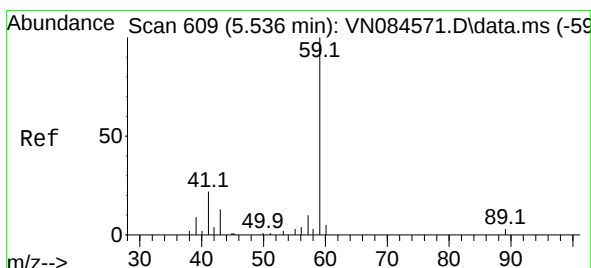
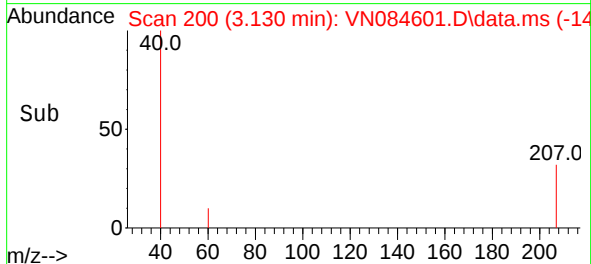
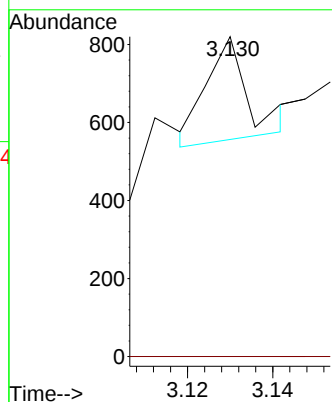


#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Instrument :
MSVOA_N
ClientSampleId :

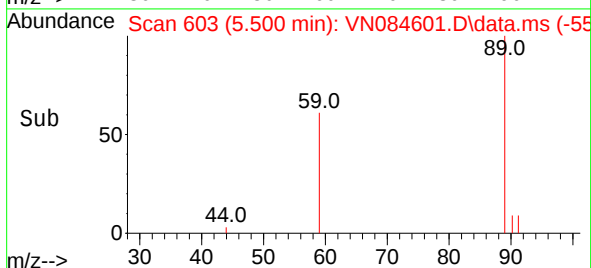
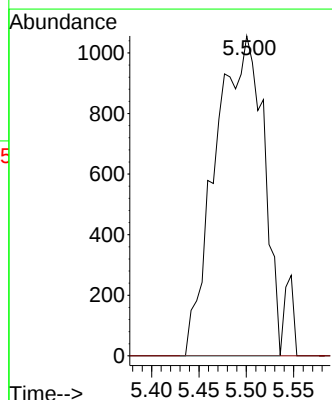
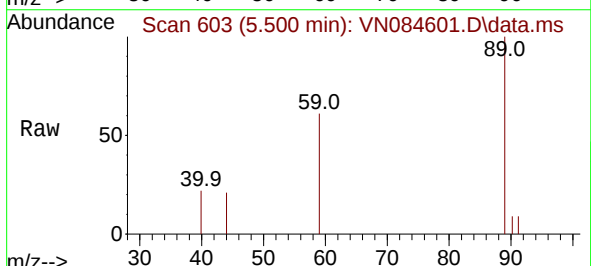


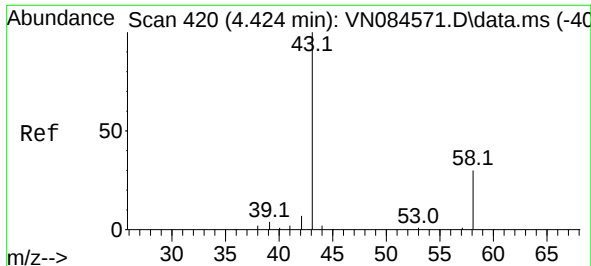
Tgt Ion: 64 Resp: 184
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.981 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.023 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Tgt Ion: 59 Resp: 3721
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

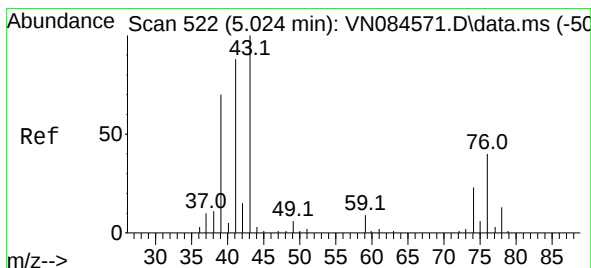
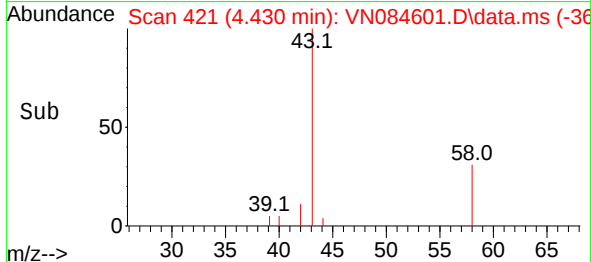
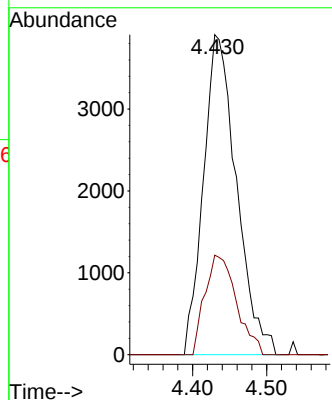
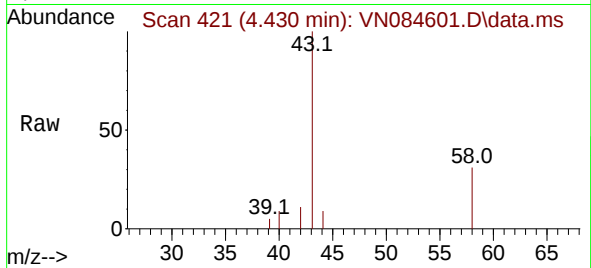




#16
Acetone
Concen: 13.615 ug/l
RT: 4.430 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

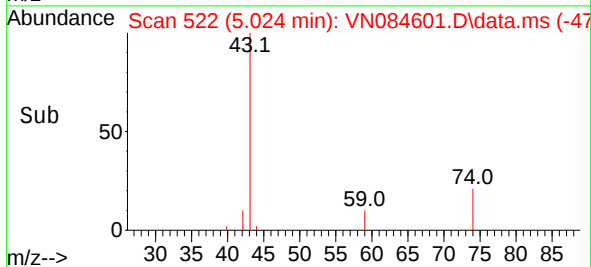
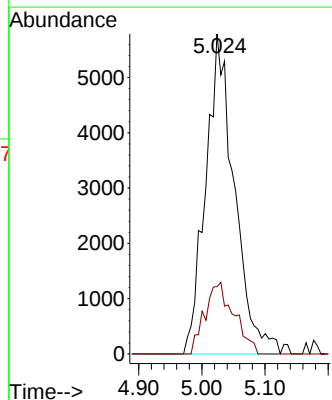
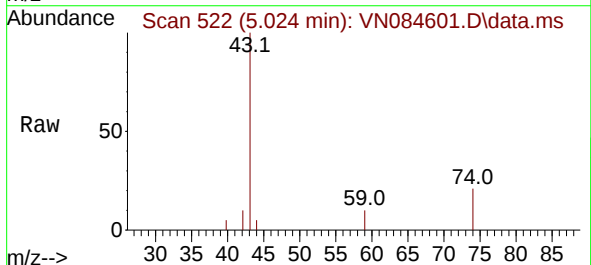
Instrument :
MSVOA_N
ClientSampleId :

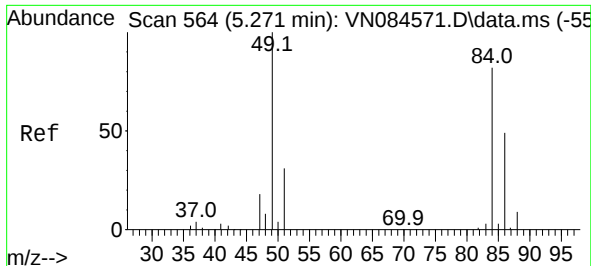
Tgt Ion: 43 Resp: 12096
Ion Ratio Lower Upper
43 100
58 31.1 24.4 36.6



#18
Methyl Acetate
Concen: 3.004 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

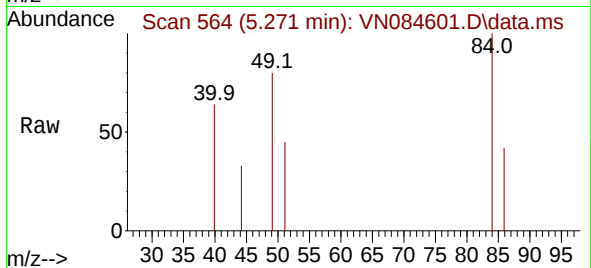
Tgt Ion: 43 Resp: 18301
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8





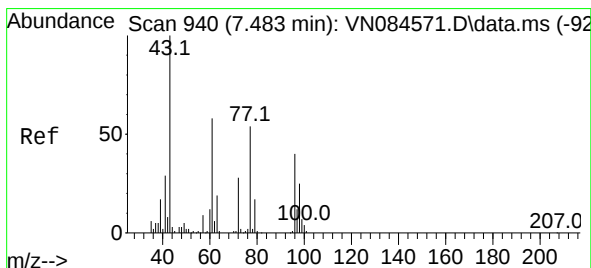
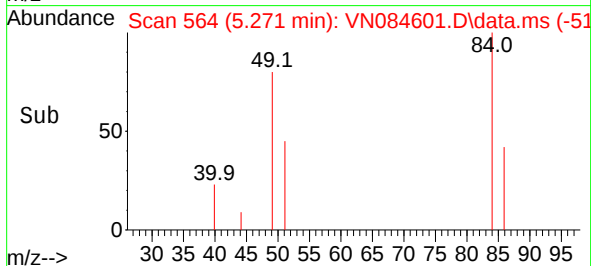
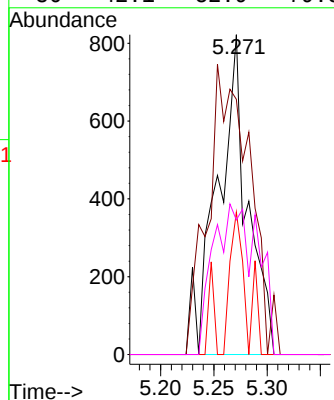
#20
Methylene Chloride
Concen: 0.715 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1615

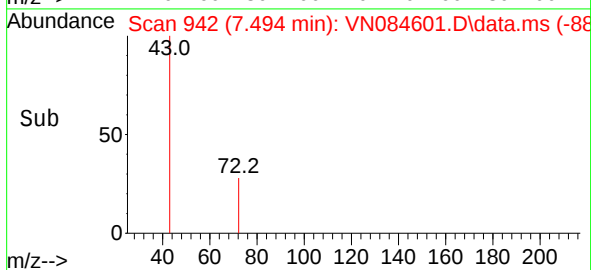
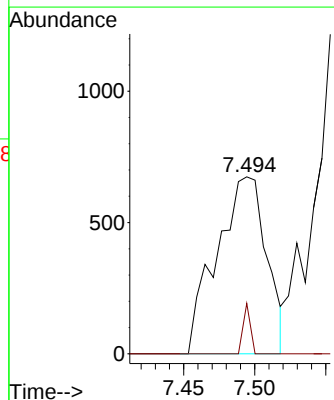
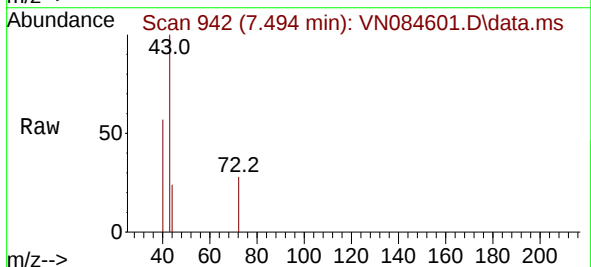
Ion	Ratio	Lower	Upper
84	100		
49	79.8	107.2	160.8#
51	44.5	31.8	47.8
86	42.1	52.9	79.3#

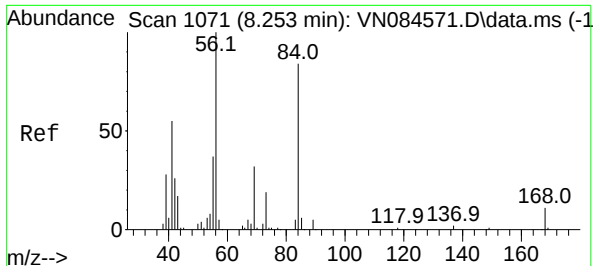


#25
2-Butanone
Concen: 1.378 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Tgt Ion: 43 Resp: 1650

Ion	Ratio	Lower	Upper
43	100		
72	28.5	21.4	32.2





#31

Cyclohexane

Concen: 1.191 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.035 min

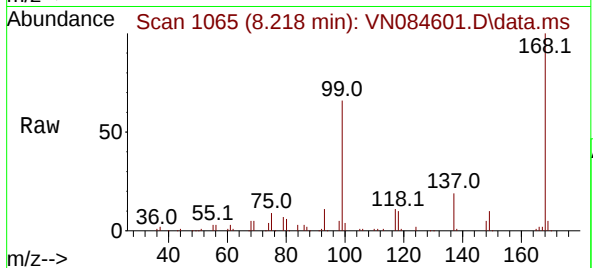
Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

ClientSampleId :



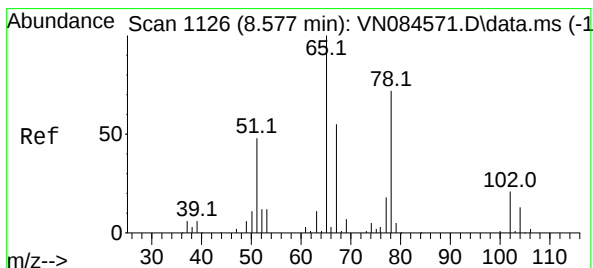
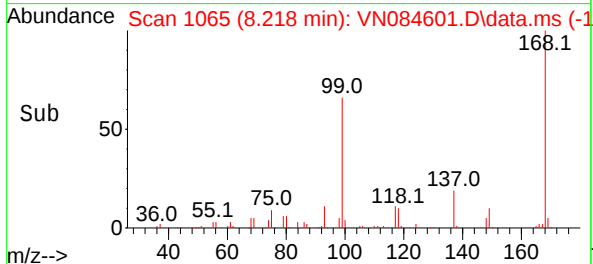
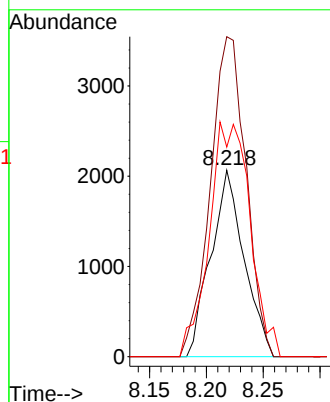
Tgt Ion: 56 Resp: 4222

Ion Ratio Lower Upper

56 100

69 171.6 23.8 35.6#

84 112.4 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 50.449 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084601.D

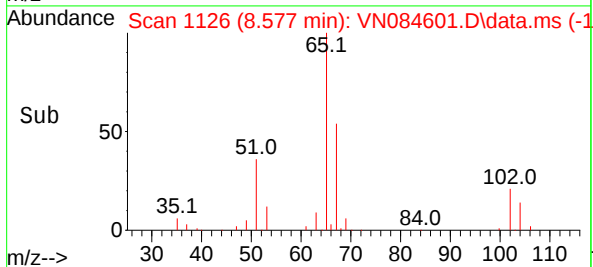
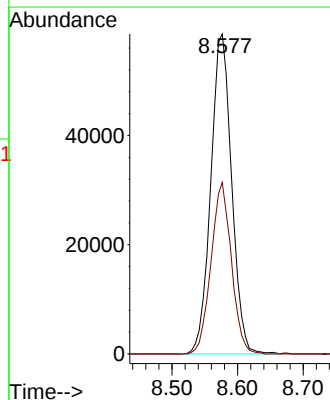
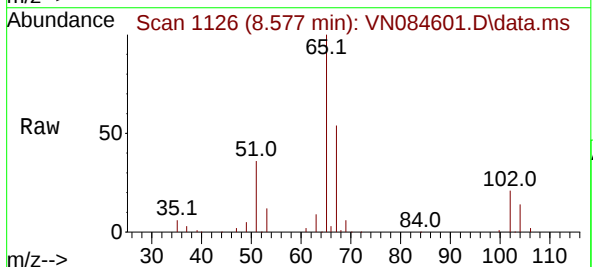
Acq: 31 Oct 2024 05:21

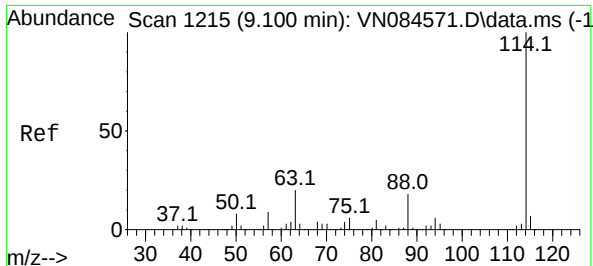
Tgt Ion: 65 Resp: 129504

Ion Ratio Lower Upper

65 100

67 52.1 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: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

ClientSampleId :

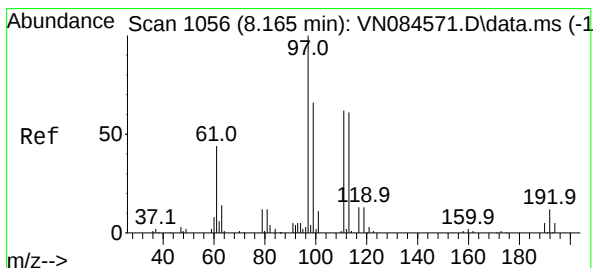
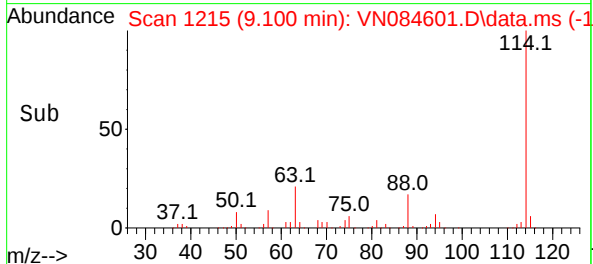
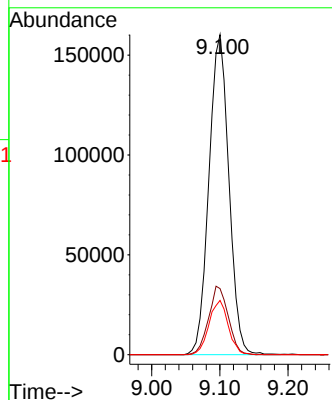
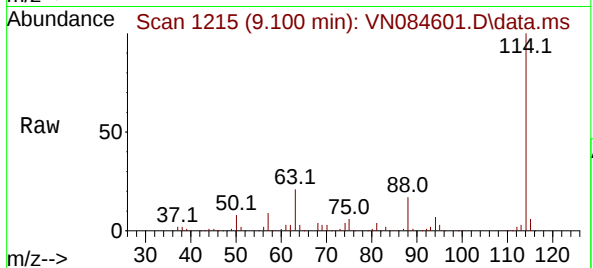
Tgt Ion:114 Resp: 326468

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 16.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.255 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

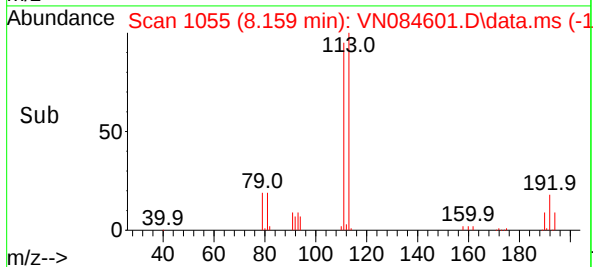
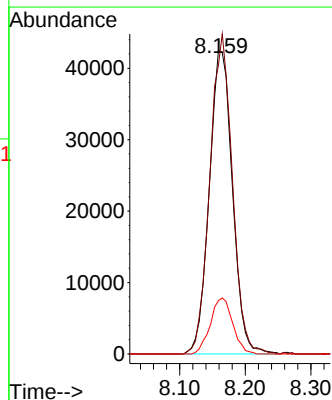
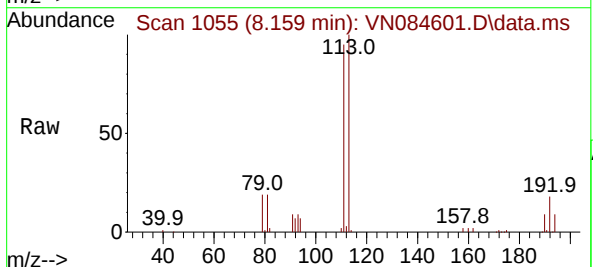
Tgt Ion:113 Resp: 104423

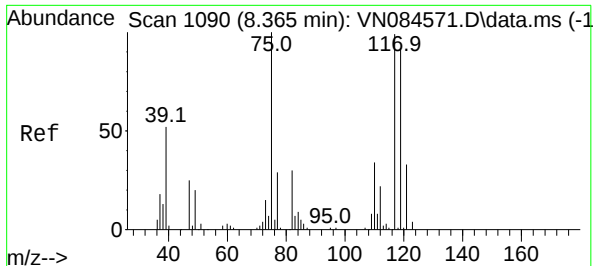
Ion Ratio Lower Upper

113 100

111 102.2 83.3 124.9

192 17.7 13.5 20.3

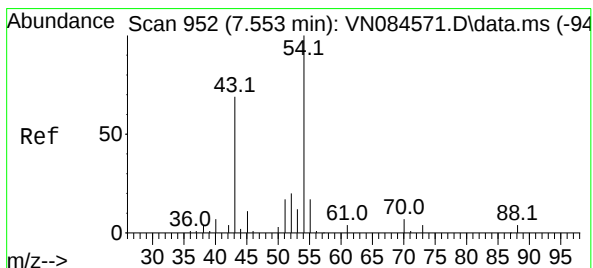
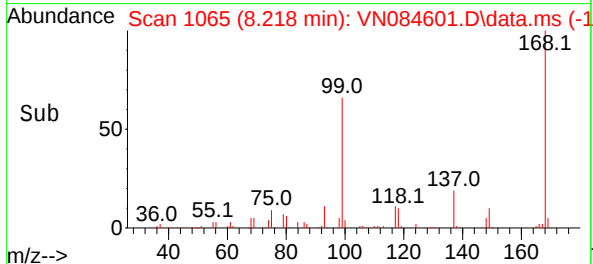
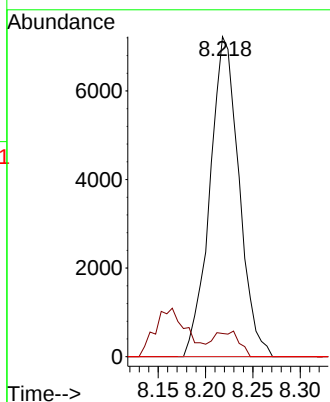
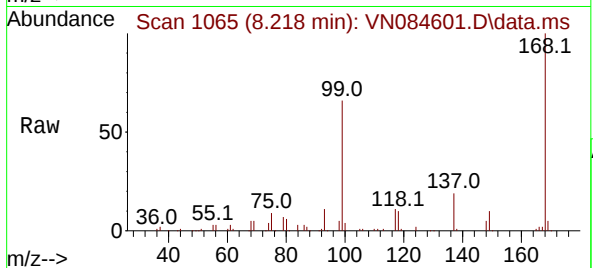




#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

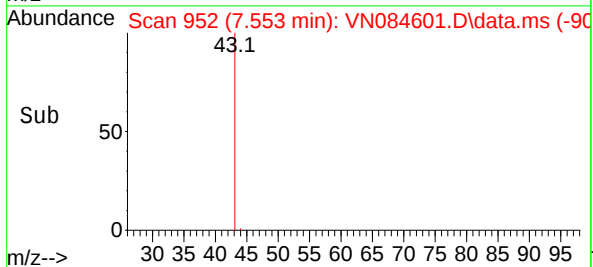
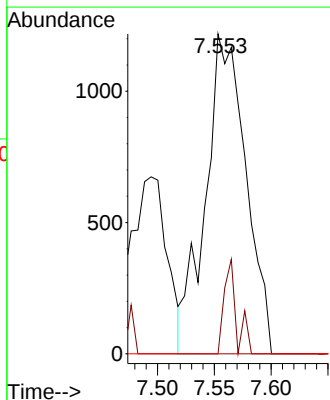
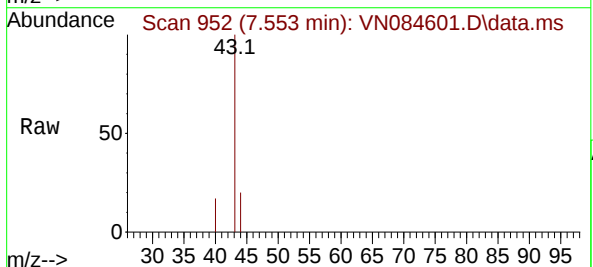
Instrument :
MSVOA_N
ClientSampleId :

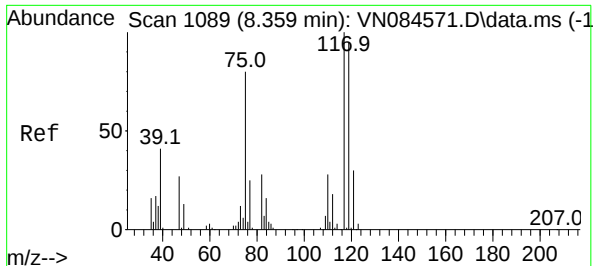
Tgt Ion: 75 Resp: 15513
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.081 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

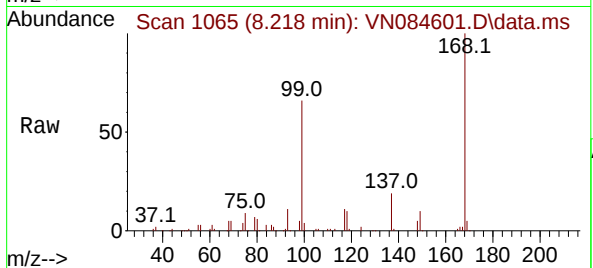
Tgt Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
61 9.1 10.7 16.1#
70 0.0 8.8 13.2#



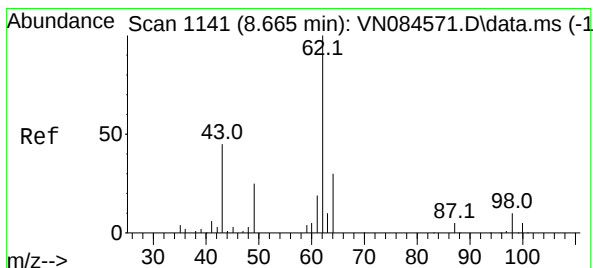
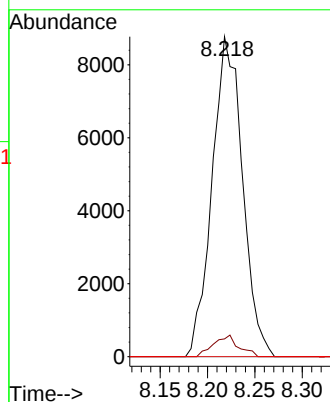
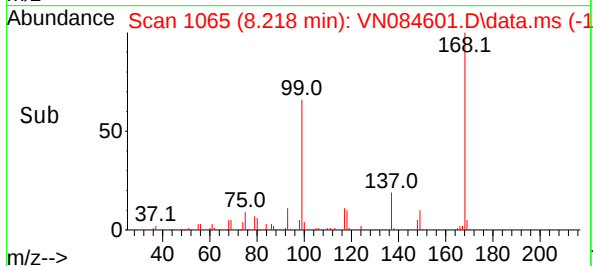


#38
Carbon Tetrachloride
Concen: 5.717 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Instrument :
MSVOA_N
ClientSampleId :

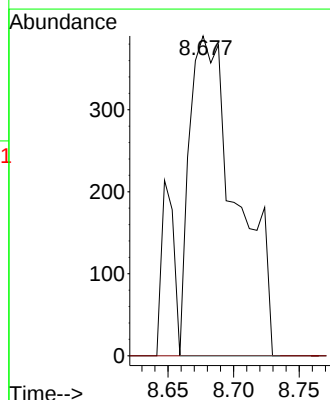
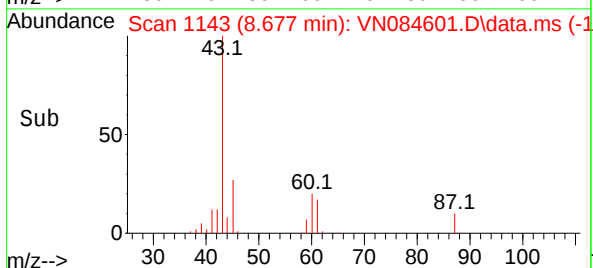
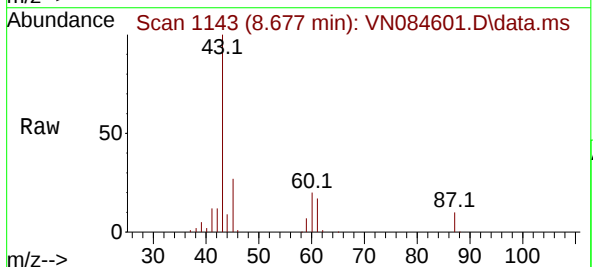


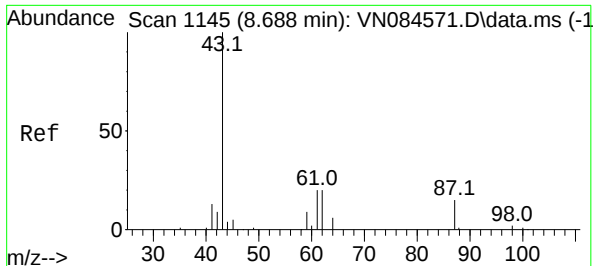
Tgt Ion:117 Resp: 19585
Ion Ratio Lower Upper
117 100
119 5.6 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.307 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Tgt Ion: 62 Resp: 979
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 38.195 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

ClientSampleId :

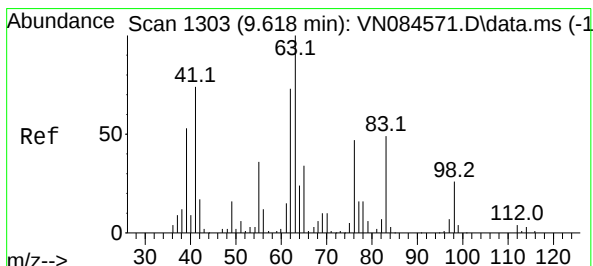
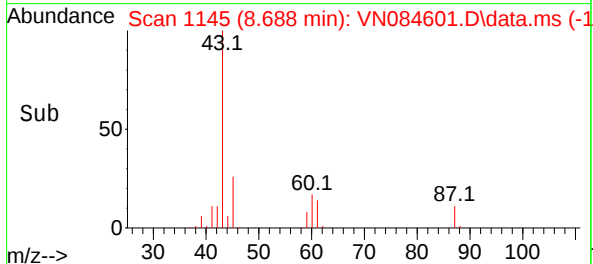
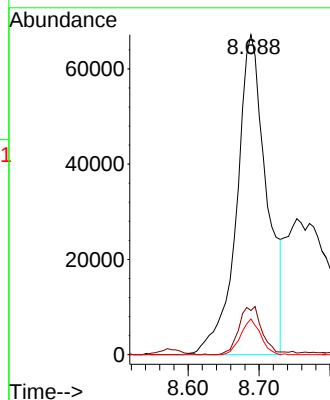
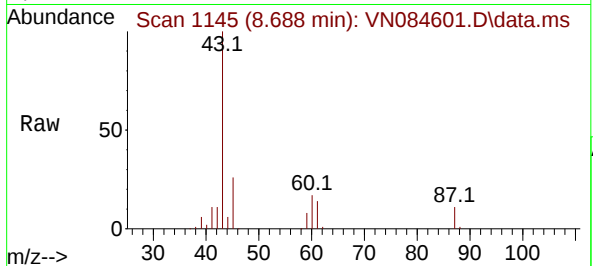
Tgt Ion: 43 Resp: 197375

Ion Ratio Lower Upper

43 100

61 12.0 20.4 30.6#

87 7.4 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.601 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084601.D

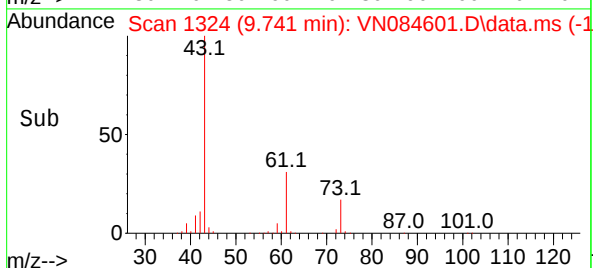
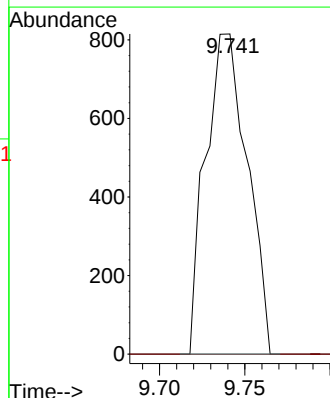
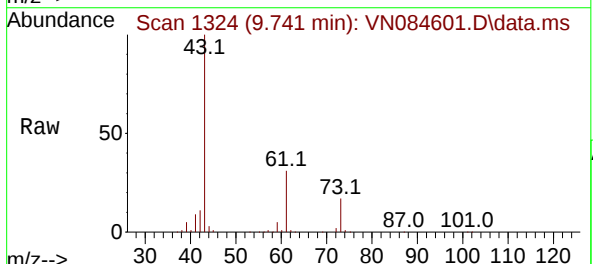
Acq: 31 Oct 2024 05:21

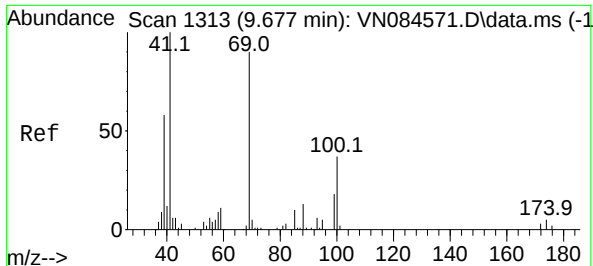
Tgt Ion: 63 Resp: 1387

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.351 ug/l

RT: 9.665 min Scan# 1411

Delta R.T. -0.012 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

ClientSampleId :

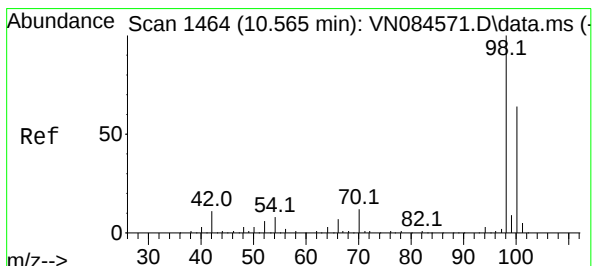
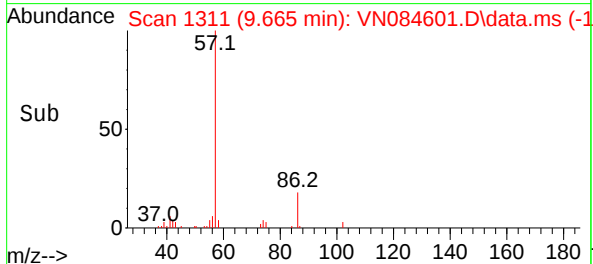
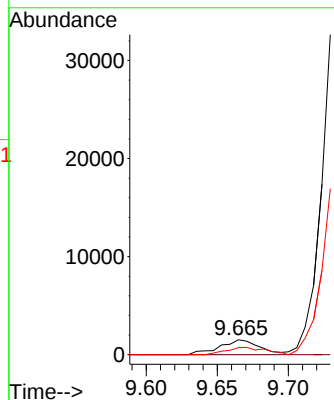
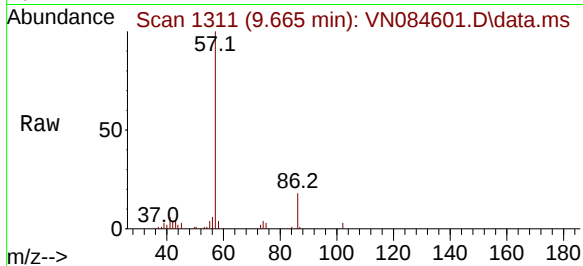
Tgt Ion: 41 Resp: 2924

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 49.1 45.8 68.6



#50

Toluene-d8

Concen: 47.676 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084601.D

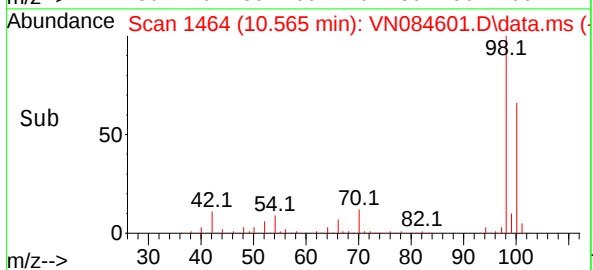
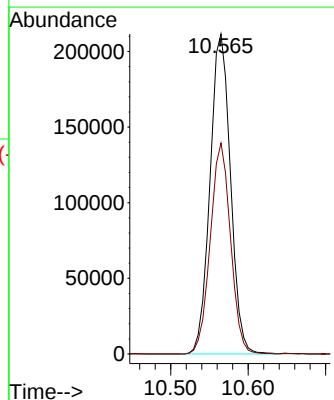
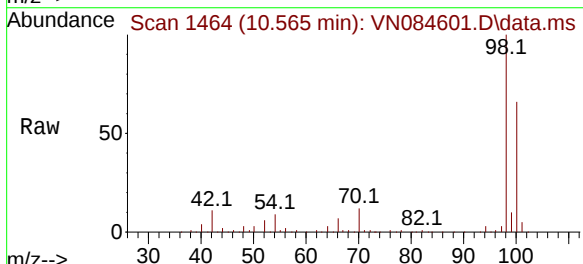
Acq: 31 Oct 2024 05:21

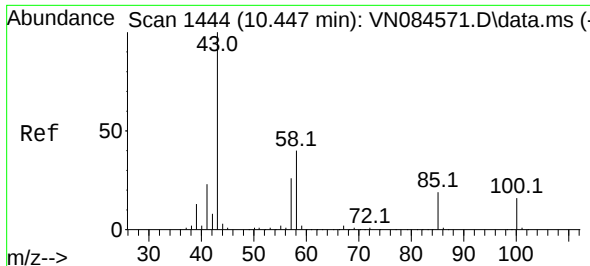
Tgt Ion: 98 Resp: 388088

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 2.855 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

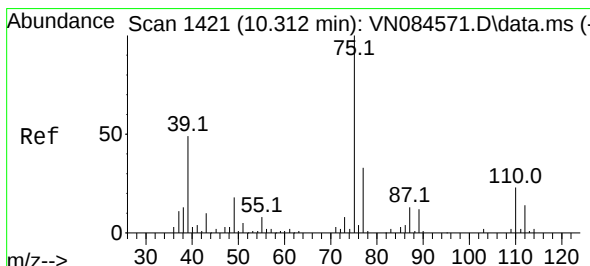
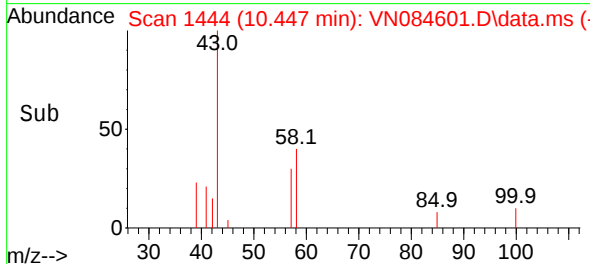
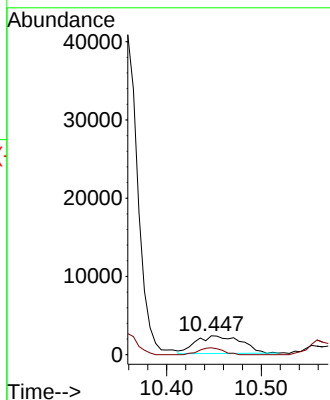
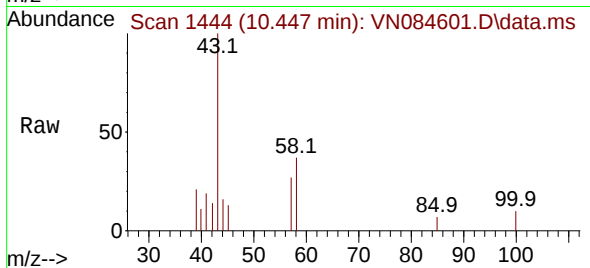
ClientSampleId :

Tgt Ion: 43 Resp: 7568

Ion Ratio Lower Upper

43 100

58 20.6 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 9.508 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

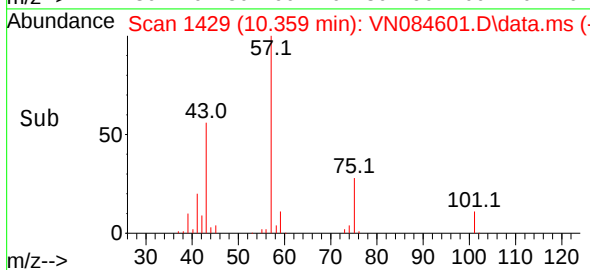
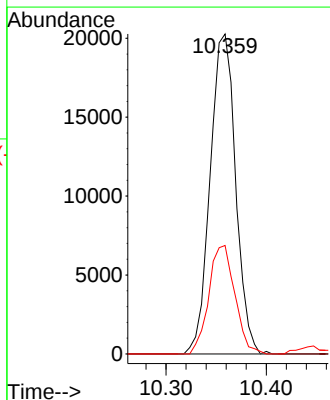
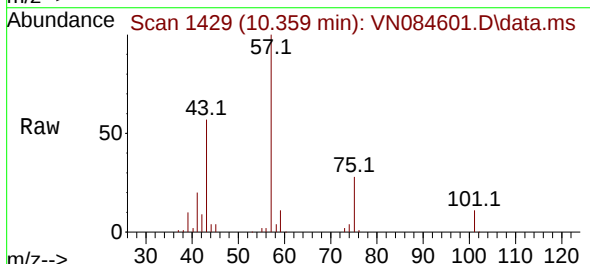
Tgt Ion: 75 Resp: 35773

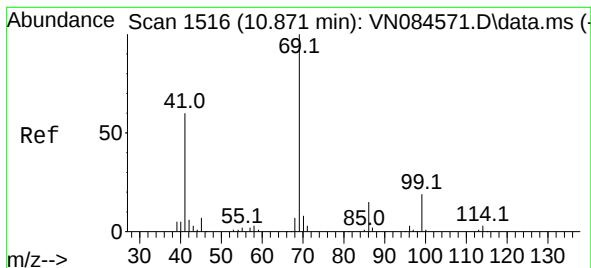
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 33.9 38.7 58.1#





#56

Ethyl methacrylate

Concen: 0.529 ug/l

RT: 10.977 min Scan# 1534

Delta R.T. 0.106 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

ClientSampleId :

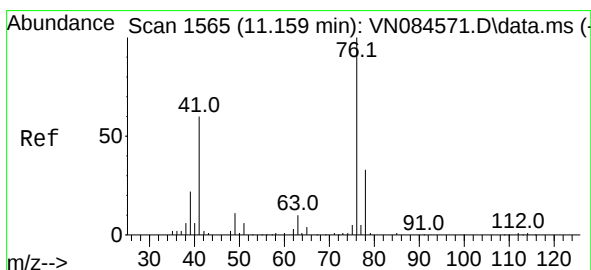
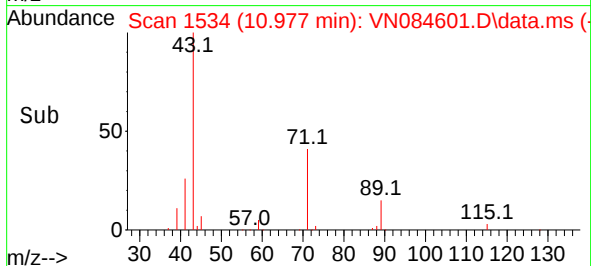
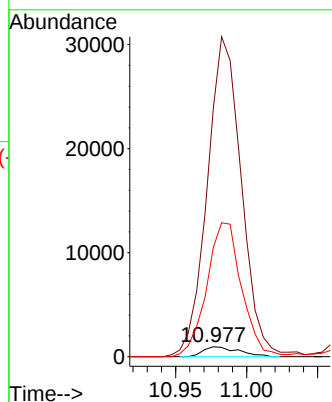
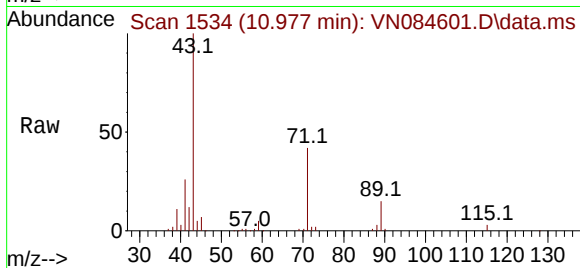
Tgt Ion: 69 Resp: 1659

Ion Ratio Lower Upper

69 100

41 3111.2 53.3 79.9#

39 1324.2 28.8 43.2#



#57

1,3-Dichloropropane

Concen: 1.181 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084601.D

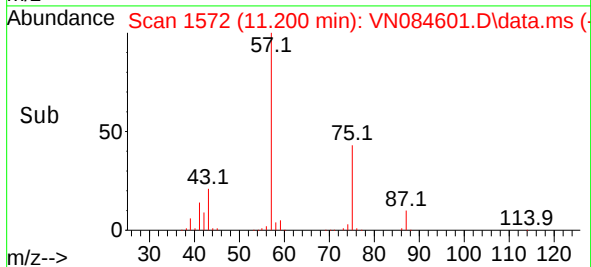
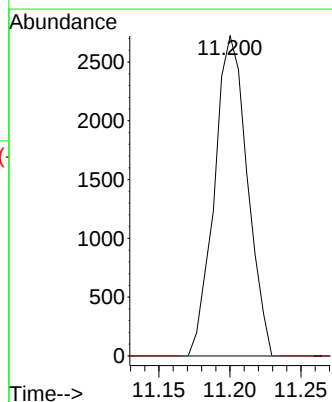
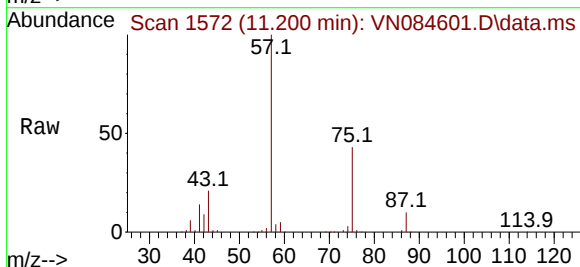
Acq: 31 Oct 2024 05:21

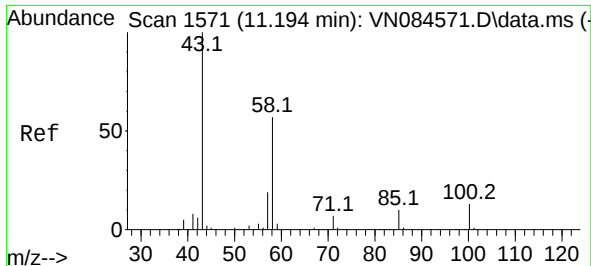
Tgt Ion: 76 Resp: 4394

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 29.301 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

Instrument :

MSVOA_N

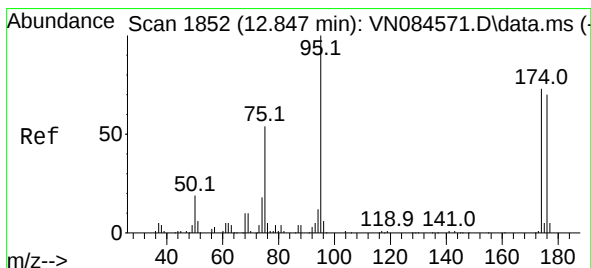
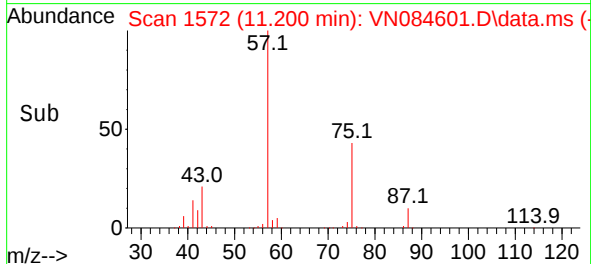
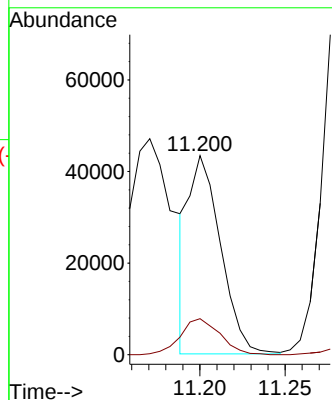
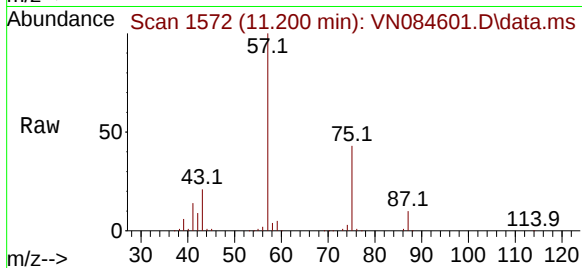
ClientSampleId :

Tgt Ion: 43 Resp: 56534

Ion Ratio Lower Upper

43 100

58 22.6 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 46.680 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084601.D

Acq: 31 Oct 2024 05:21

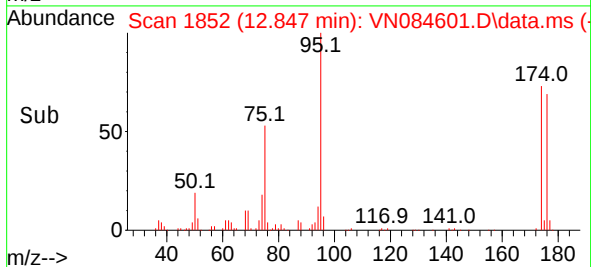
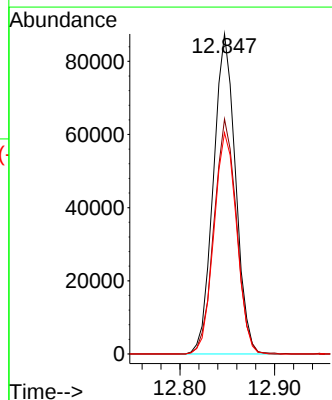
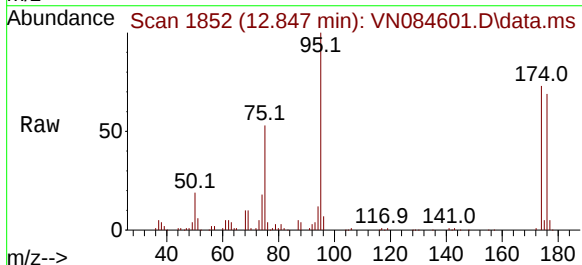
Tgt Ion: 95 Resp: 142013

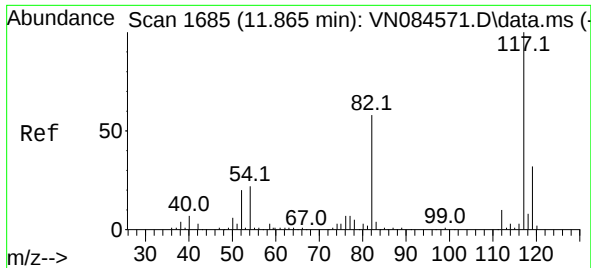
Ion Ratio Lower Upper

95 100

174 74.7 0.0 145.2

176 71.0 0.0 140.0

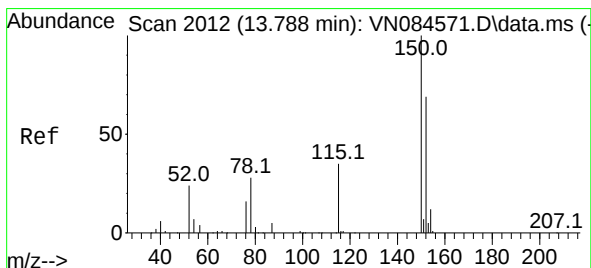
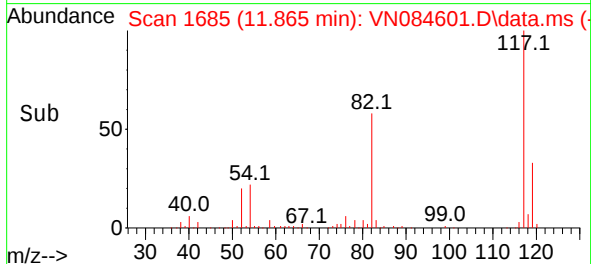
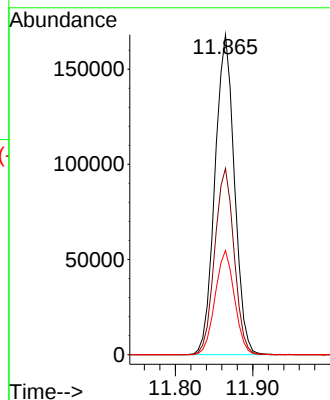
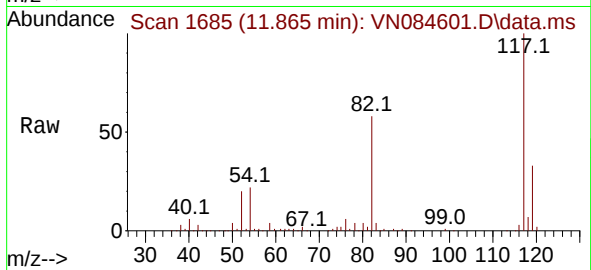




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

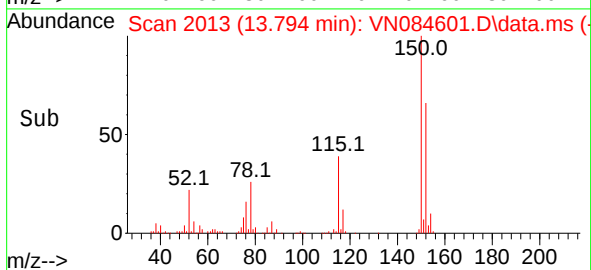
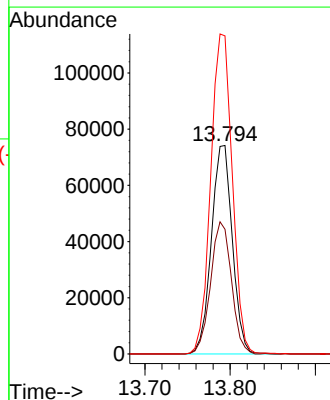
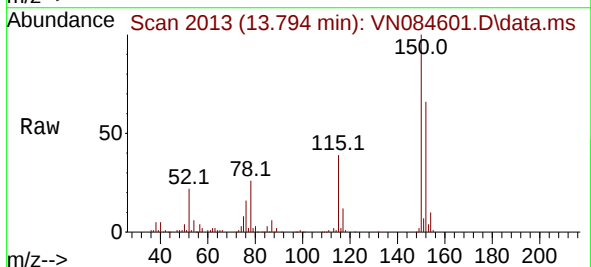
Instrument :
MSVOA_N
ClientSampleId :

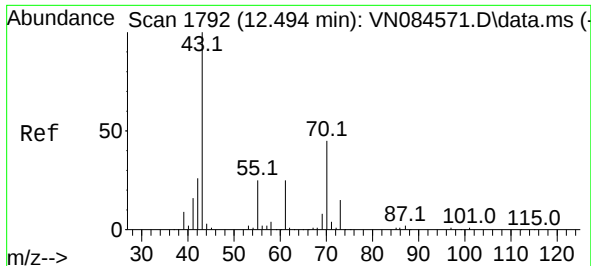
Tgt Ion:117 Resp: 294514
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Tgt Ion:152 Resp: 126703
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 157.7 0.0 349.8

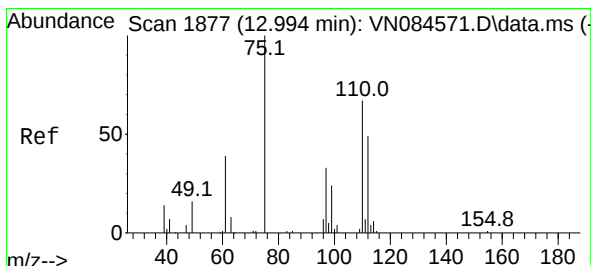
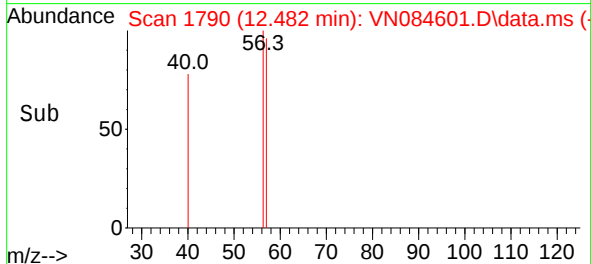
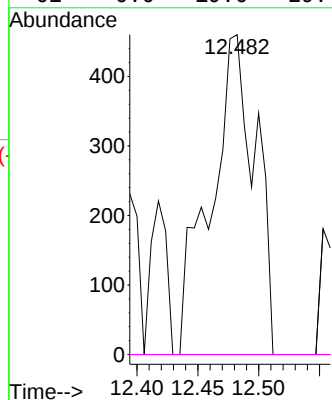
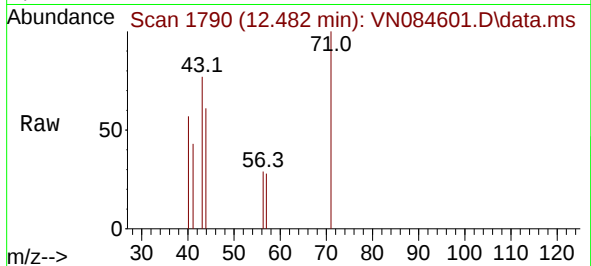




#74
N-amyI acetate
Concen: 0.314 ug/l
RT: 12.482 min Scan# 1187
Delta R.T. -0.012 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

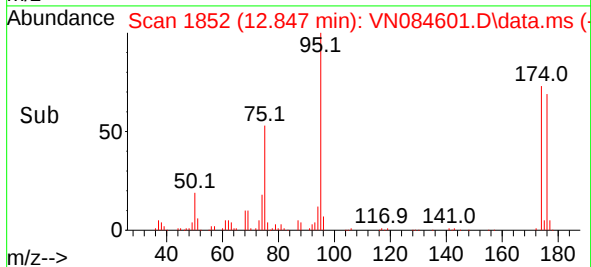
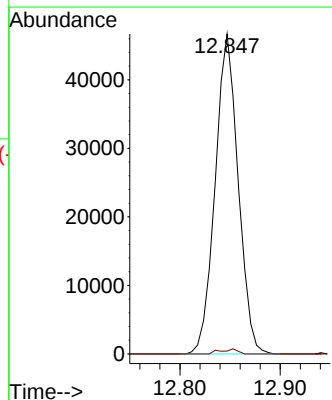
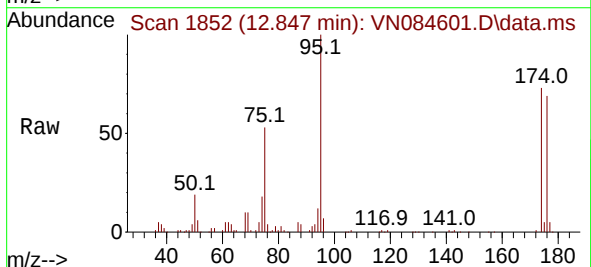
Instrument :
MSVOA_N
ClientSampleId :

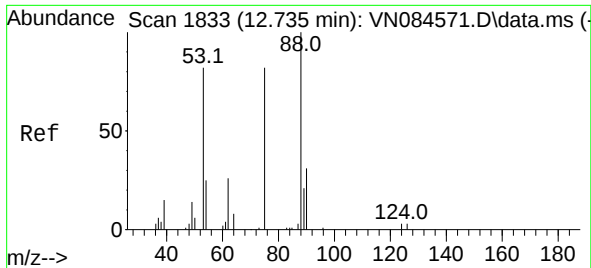
Tgt Ion: 43	Resp: 1187
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 19.6 29.4#
61	0.0 19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 29.287 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Tgt Ion: 75	Resp: 74176
Ion Ratio	Lower Upper
75	100
77	1.2 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.480 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084601.D
Acq: 31 Oct 2024 05:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74176
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

