

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084598.D
 Acq On : 31 Oct 2024 04:09
 Operator : JC\MD
 Sample : P4611-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Nov 01 05:20:11 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)

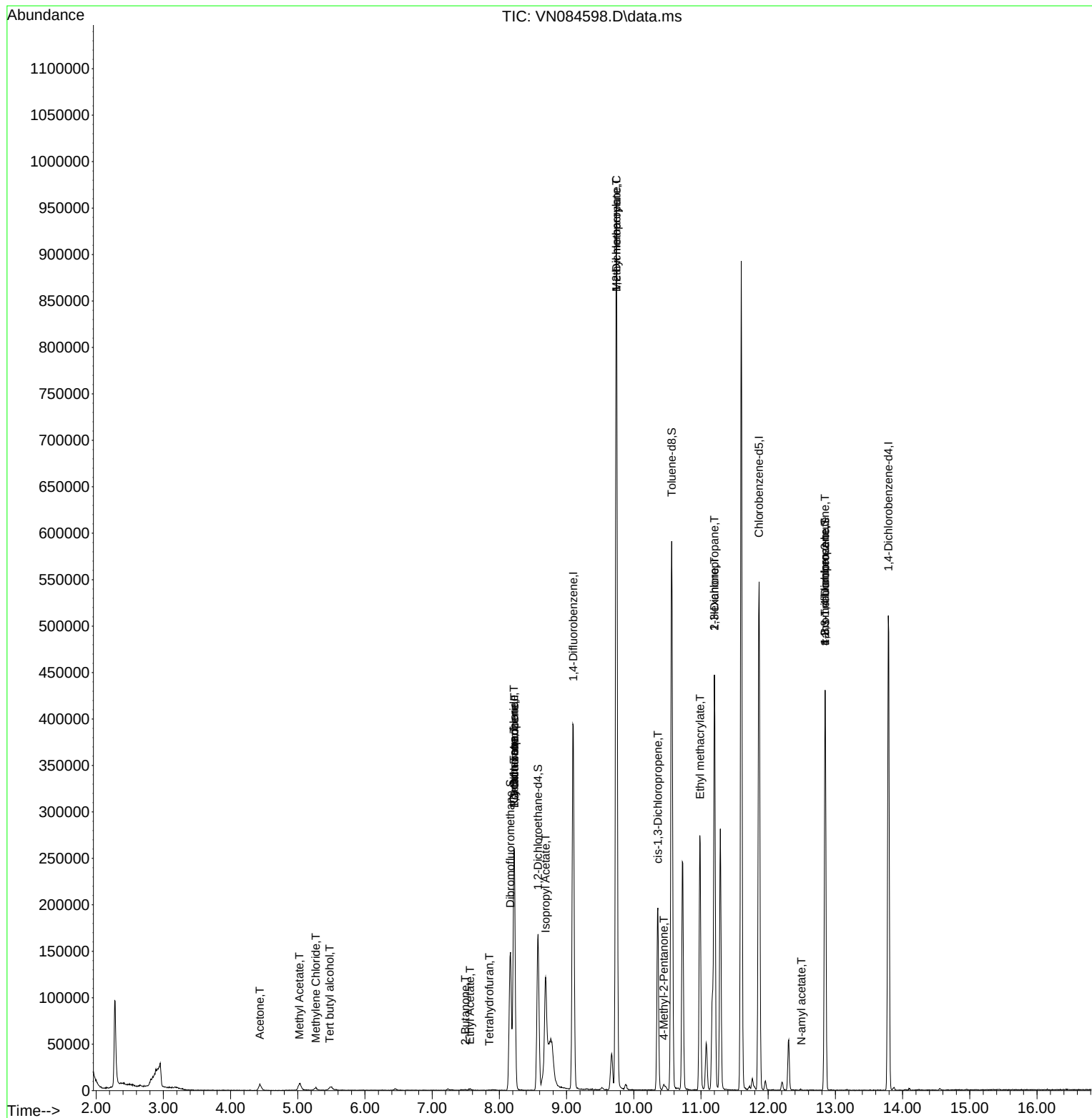
Internal Standards						
1) Pentafluorobenzene	8.224	168	183747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139004	52.377	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	8.165	113	110092	48.101	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.200%			
50) Toluene-d8	10.565	98	408446	48.446	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.847	95	149191	47.348	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.700%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	641	Below Cal		97
6) Chloroethane	3.165	64	302	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	3809	10.873	ug/l #	73
16) Acetone	4.436	43	11947	12.878	ug/l	98
18) Methyl Acetate	5.024	43	15794	1.791	ug/l	98
20) Methylene Chloride	5.271	84	1890	0.810	ug/l #	74
25) 2-Butanone	7.494	43	1295	1.046	ug/l	99
29) Tetrahydrofuran	7.853	42	469	0.571	ug/l #	34
31) Cyclohexane	8.218	56	4678	1.277	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	16117	5.077	ug/l #	50
37) Ethyl Acetate	7.565	43	2744	0.953	ug/l #	78
38) Carbon Tetrachloride	8.218	117	20089	5.662	ug/l #	16
43) Isopropyl Acetate	8.688	43	176003	32.747	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	969	0.405	ug/l #	44
48) Methyl methacrylate	9.741	41	84114	37.528	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8360	3.045	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	34798	8.930	ug/l #	65
56) Ethyl methacrylate	10.988	69	1624	0.500	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4667	1.211	ug/l #	42
59) 2-Hexanone	11.200	43	54637	27.341	ug/l #	56
74) N-amyl acetate	12.494	43	963	0.235	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78534	28.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78534	67.881	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	107	Below Cal	#	1

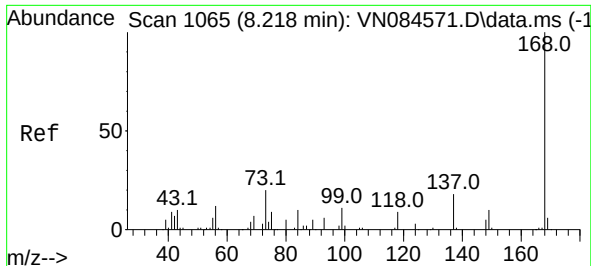
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

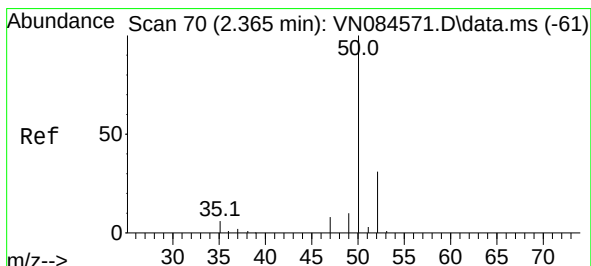
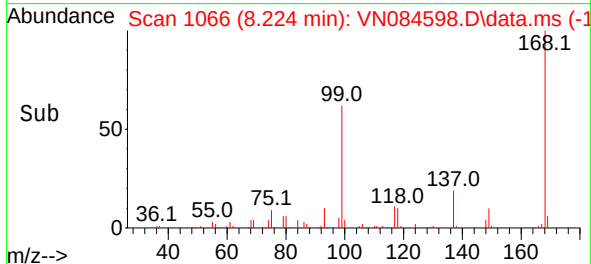
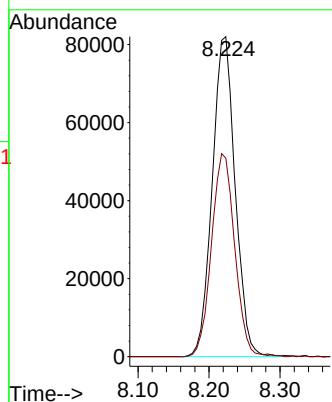
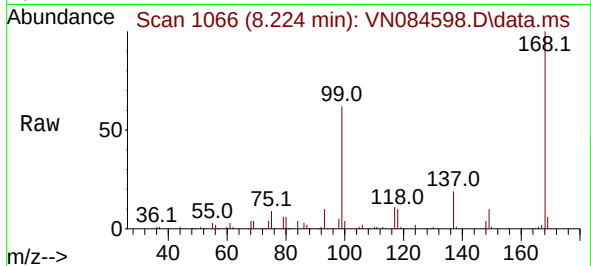




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

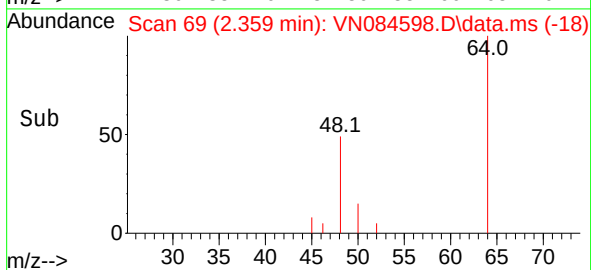
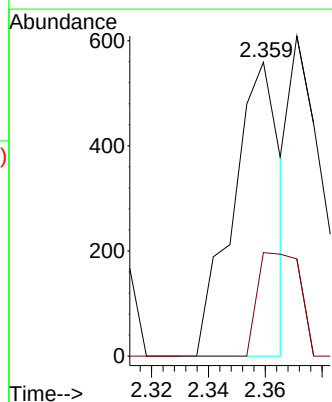
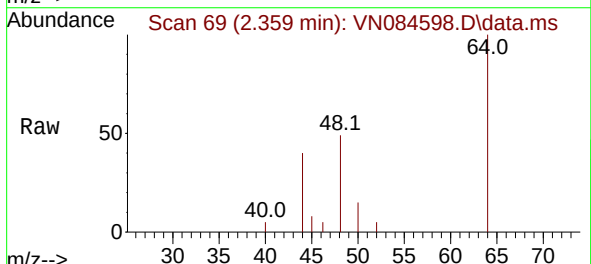
Instrument :
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TP-3

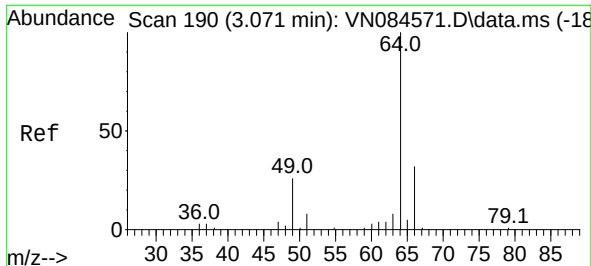
Tgt Ion:168 Resp: 183747
Ion Ratio Lower Upper
168 100
99 62.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion: 50 Resp: 641
Ion Ratio Lower Upper
50 100
52 35.2 26.8 40.2

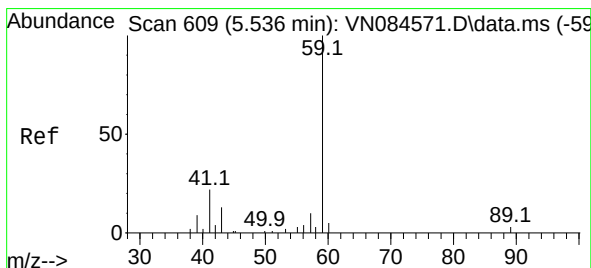
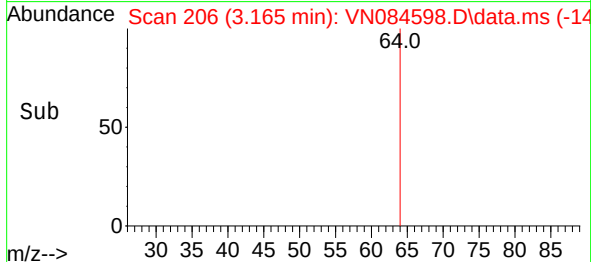
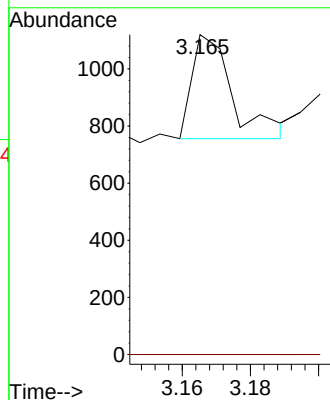
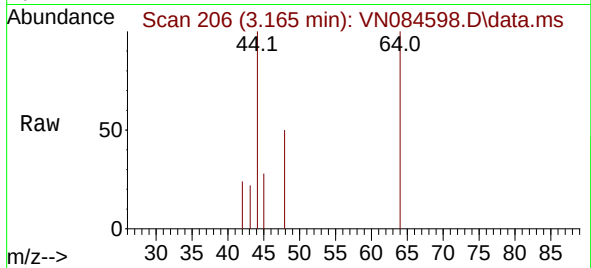




#6
Chloroethane
Concen: Below Cal
RT: 3.165 min Scan# 206
Delta R.T. 0.047 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

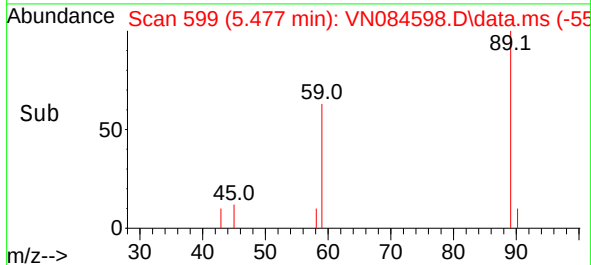
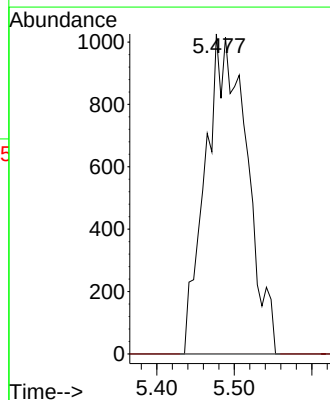
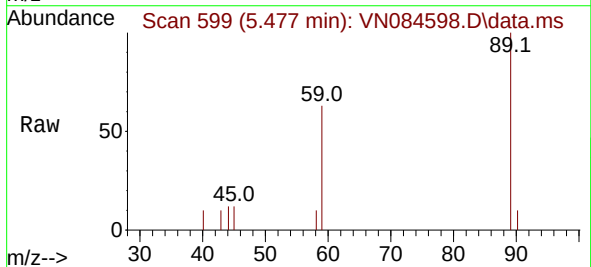
Instrument :
MSVOA_N
ClientSampleId :
TP-3

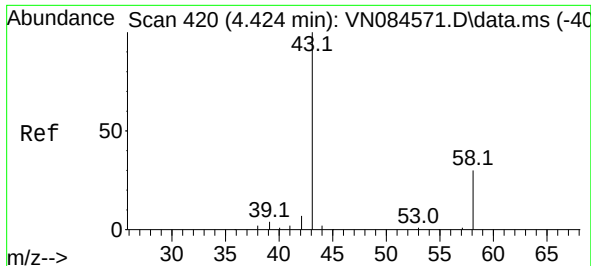
Tgt Ion: 64 Resp: 302
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 10.873 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.047 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion: 59 Resp: 3809
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

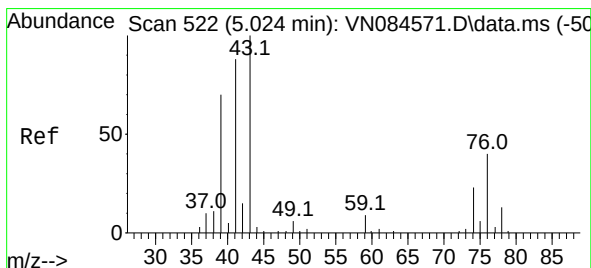
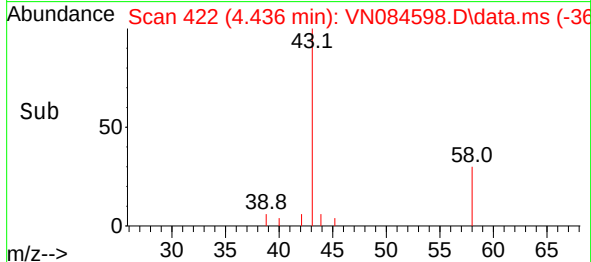
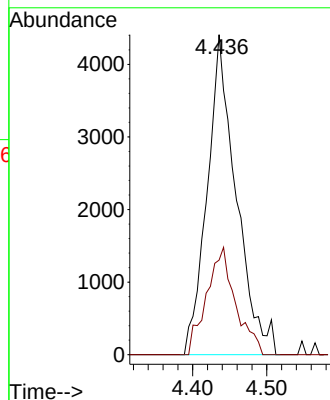
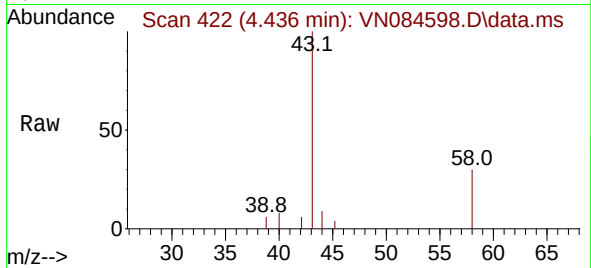




#16
Acetone
Concen: 12.878 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

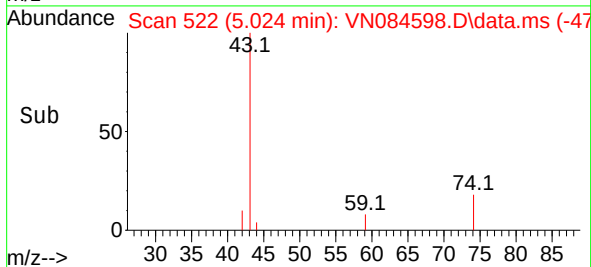
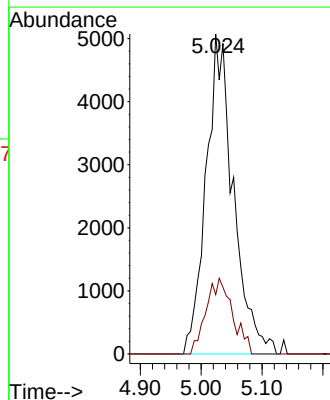
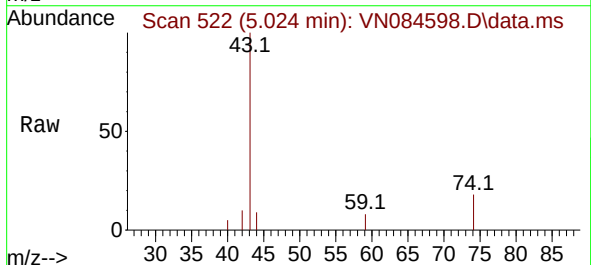
Instrument :
MSVOA_N
ClientSampleId :
TP-3

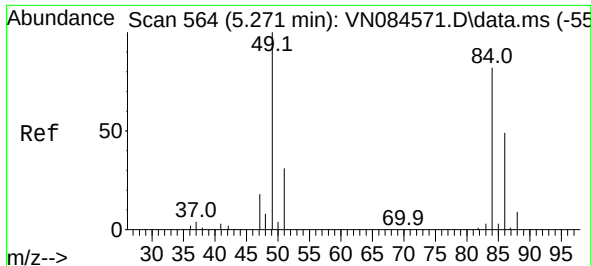
Tgt Ion: 43 Resp: 11947
Ion Ratio Lower Upper
43 100
58 29.6 24.4 36.6



#18
Methyl Acetate
Concen: 1.791 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion: 43 Resp: 15794
Ion Ratio Lower Upper
43 100
74 22.9 19.2 28.8





#20

Methylene Chloride

Concen: 0.810 ug/l

RT: 5.271 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tgt Ion: 84 Resp: 1890

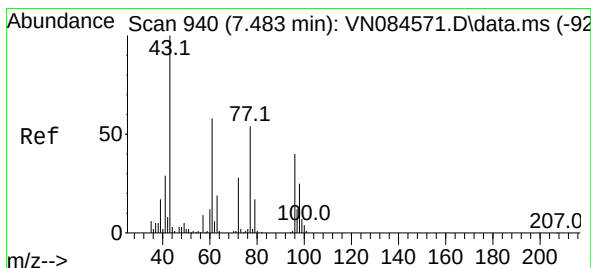
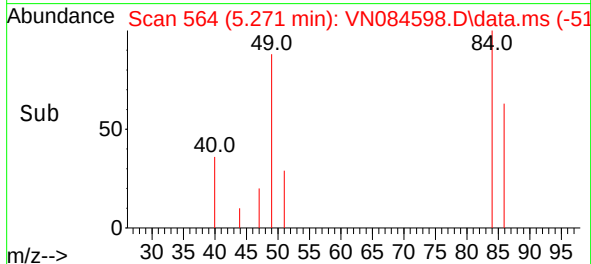
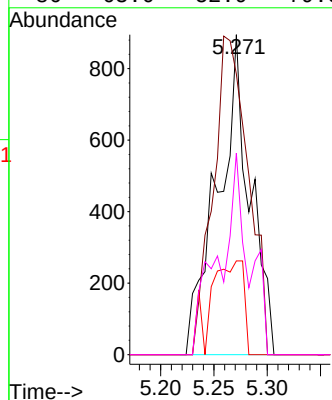
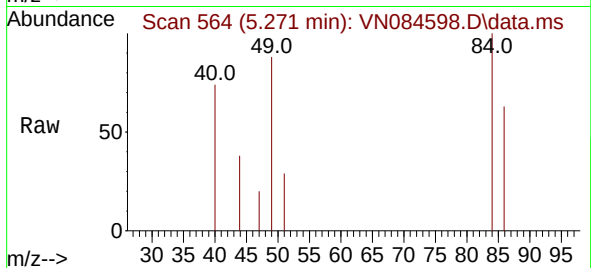
Ion Ratio Lower Upper

84 100

49 87.7 107.2 160.8#

51 29.3 31.8 47.8#

86 63.0 52.9 79.3



#25

2-Butanone

Concen: 1.046 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN084598.D

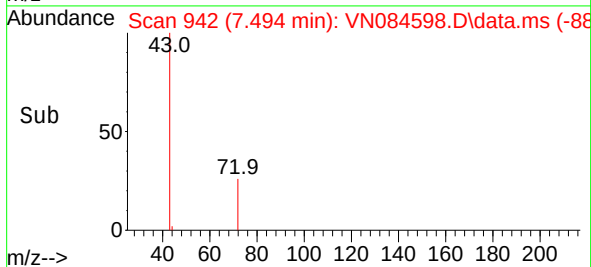
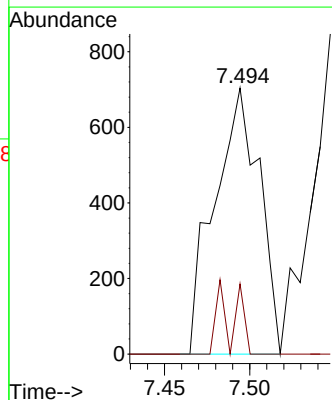
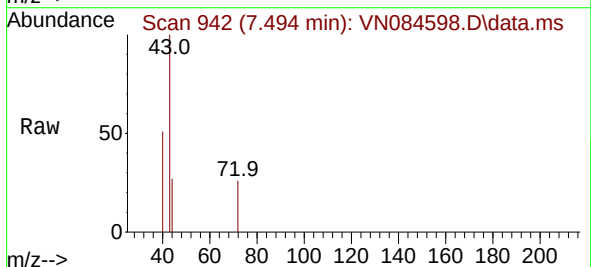
Acq: 31 Oct 2024 04:09

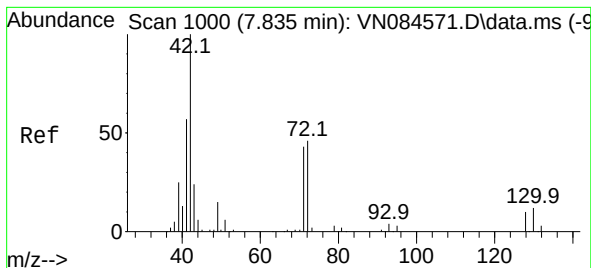
Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

72 26.4 21.4 32.2





#29

Tetrahydrofuran

Concen: 0.571 ug/l

RT: 7.853 min Scan# 1

Delta R.T. 0.018 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

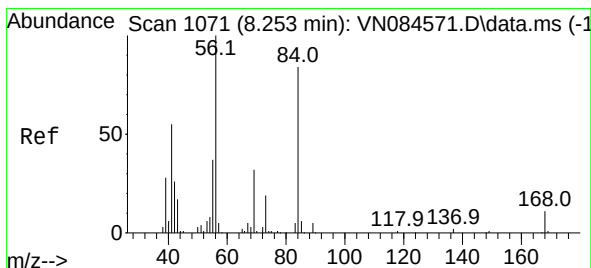
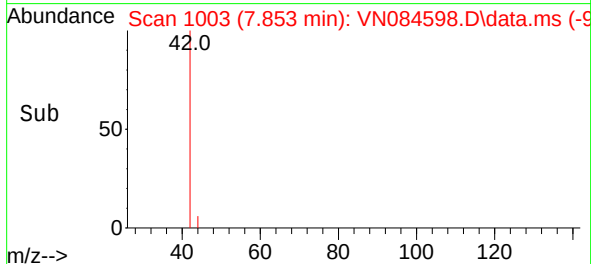
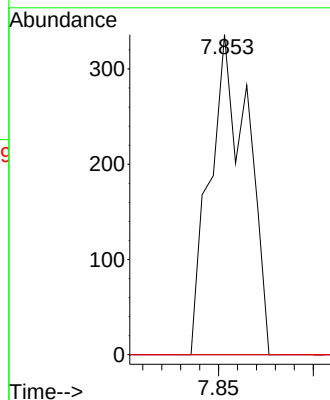
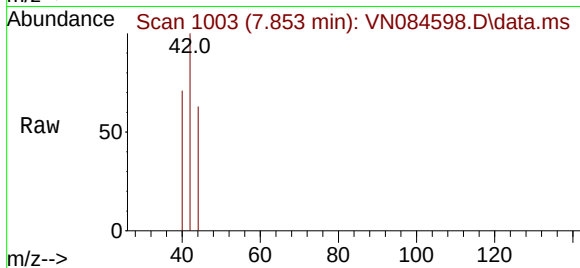
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

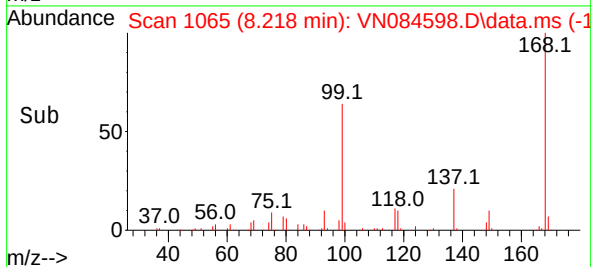
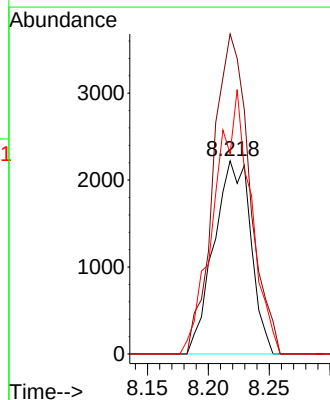
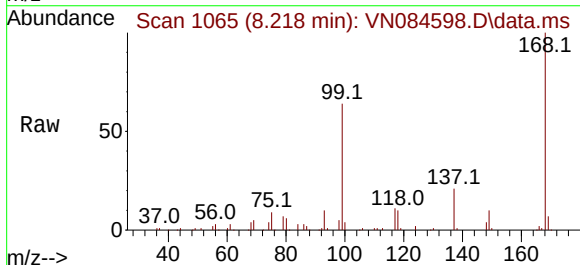
Tgt Ion: 56 Resp: 4678

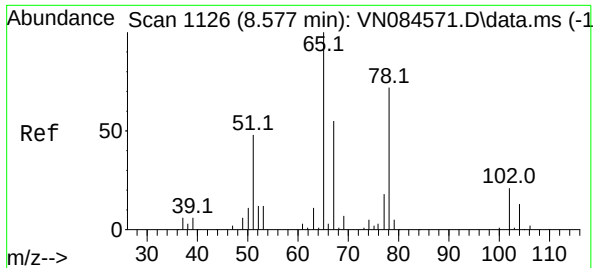
Ion Ratio Lower Upper

56 100

69 165.7 23.8 35.6#

84 103.7 68.8 103.2#

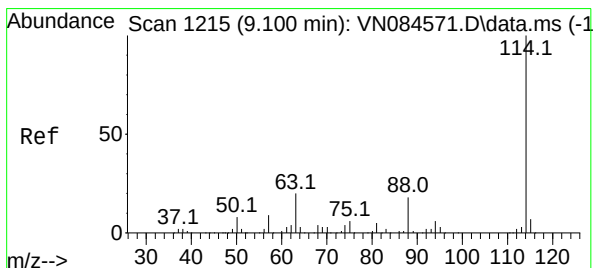
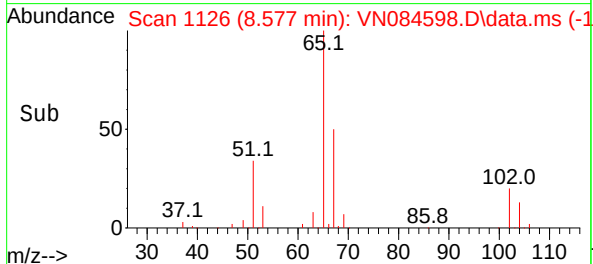
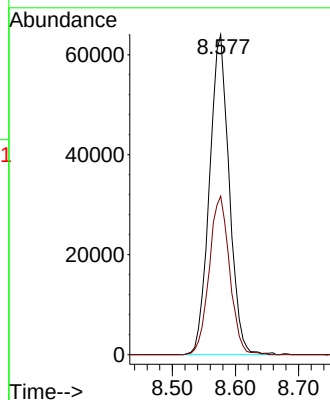
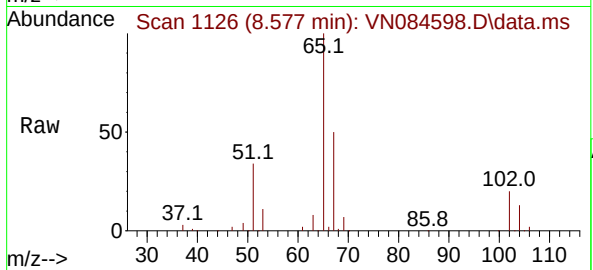




#33
1,2-Dichloroethane-d4
Concen: 52.377 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

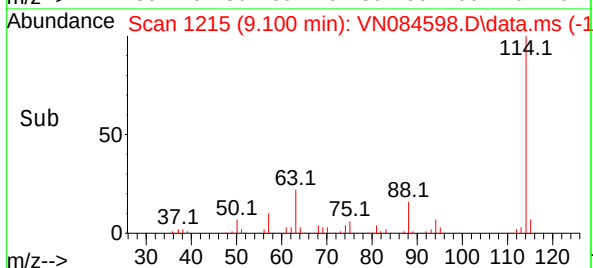
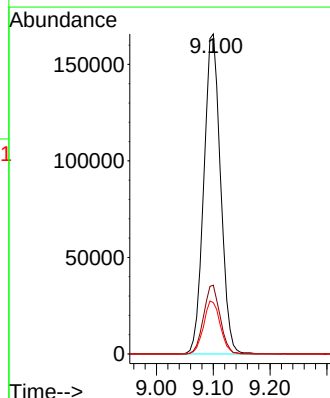
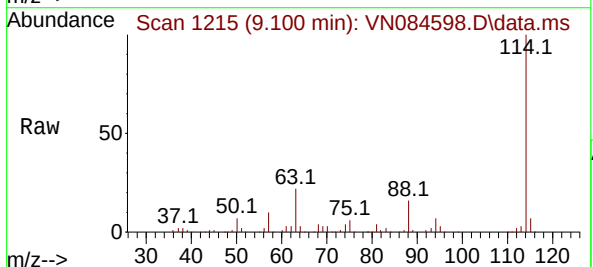
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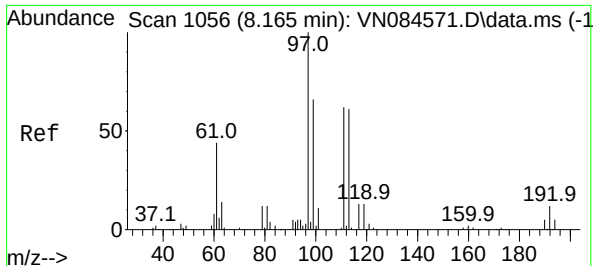
Tgt Ion: 65 Resp: 139004
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion:114 Resp: 338132
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.8
88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.101 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

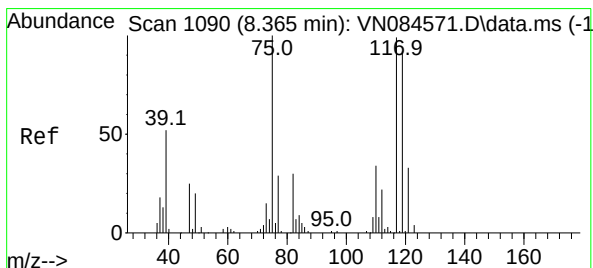
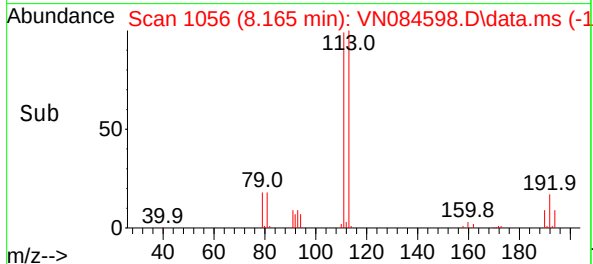
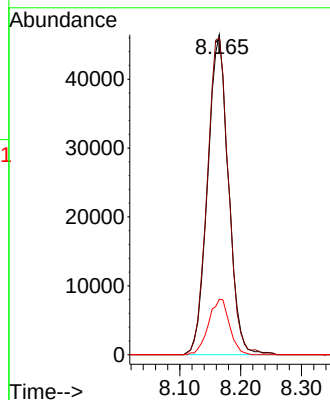
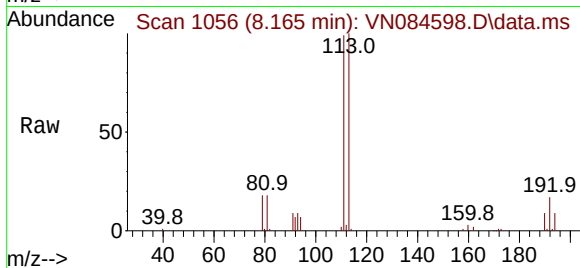
Tgt Ion:113 Resp: 110092

Ion Ratio Lower Upper

113 100

111 101.4 83.3 124.9

192 17.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.077 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

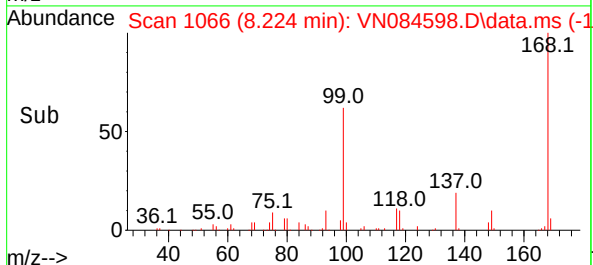
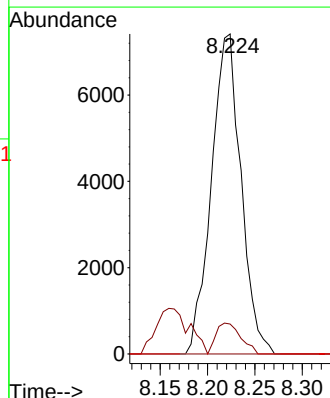
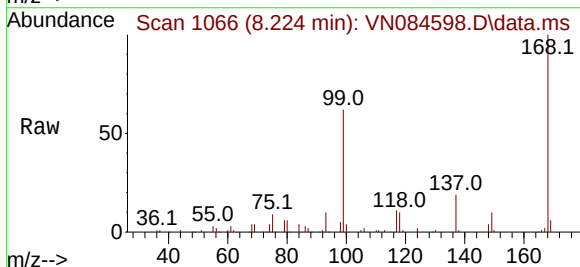
Tgt Ion: 75 Resp: 16117

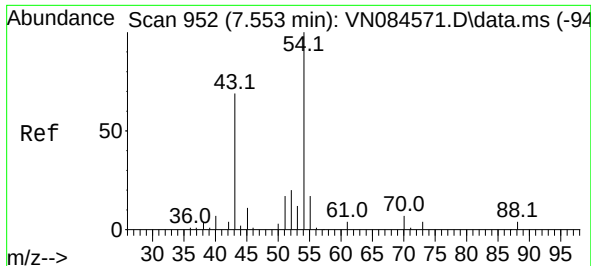
Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.953 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

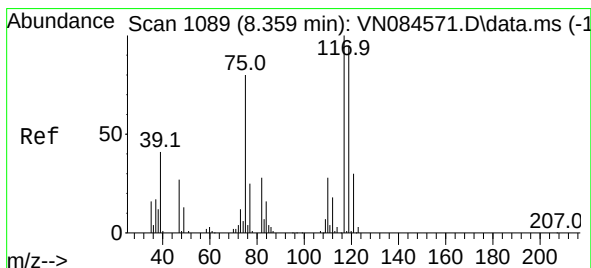
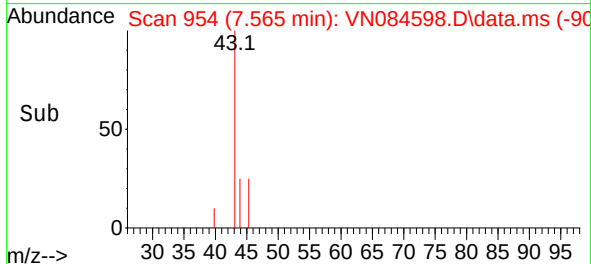
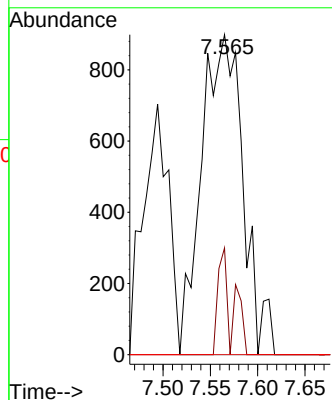
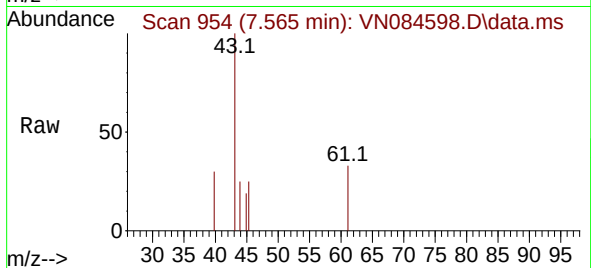
Tgt Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

61 7.0 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.662 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

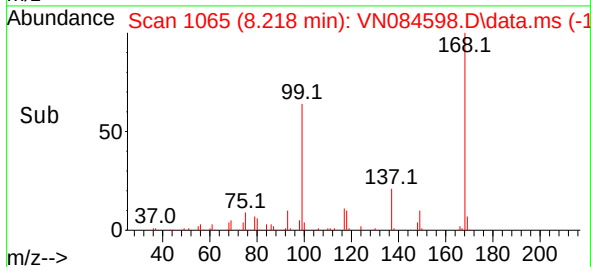
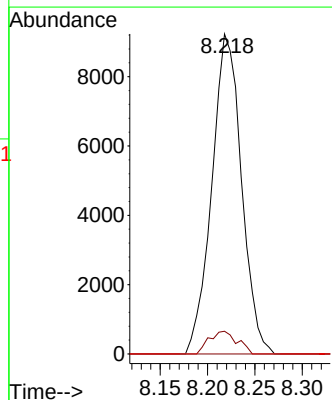
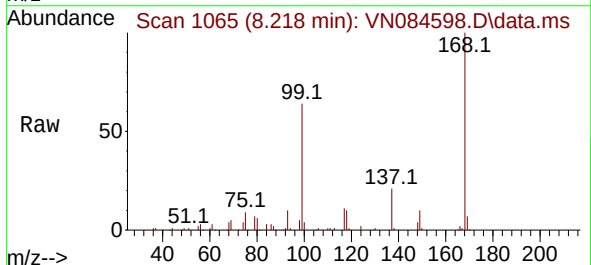
Tgt Ion: 117 Resp: 20089

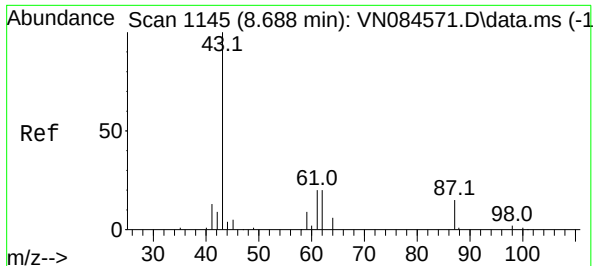
Ion Ratio Lower Upper

117 100

119 7.1 78.7 118.1#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 32.747 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

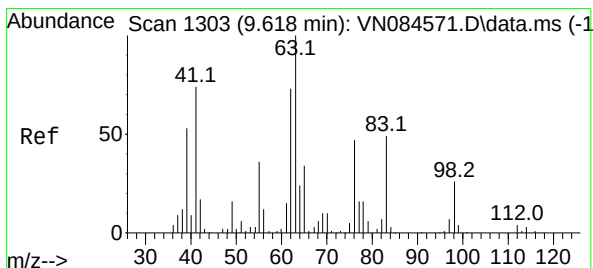
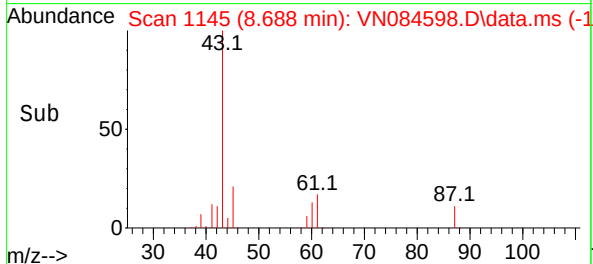
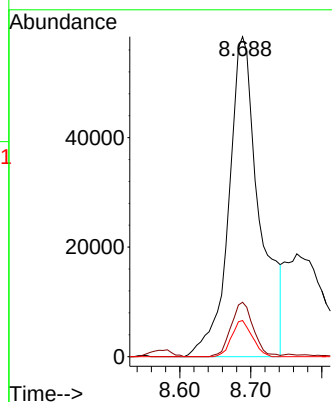
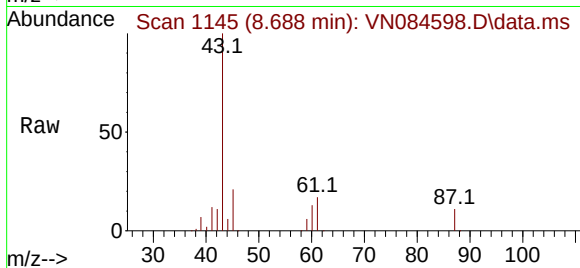
Tgt Ion: 43 Resp: 176003

Ion Ratio Lower Upper

43 100

61 12.4 20.4 30.6#

87 7.6 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.405 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084598.D

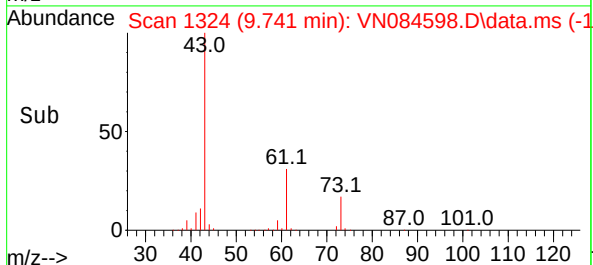
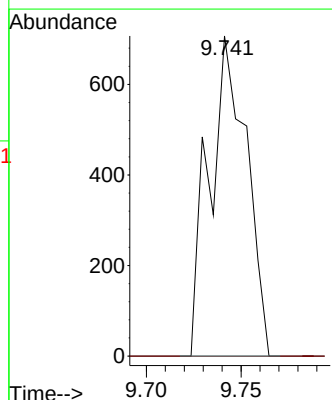
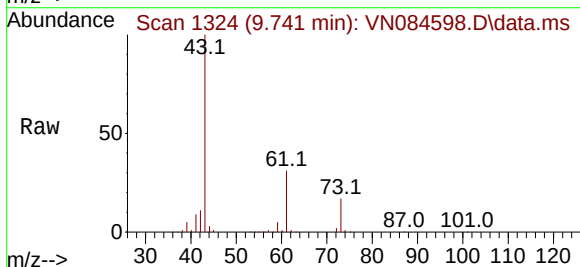
Acq: 31 Oct 2024 04:09

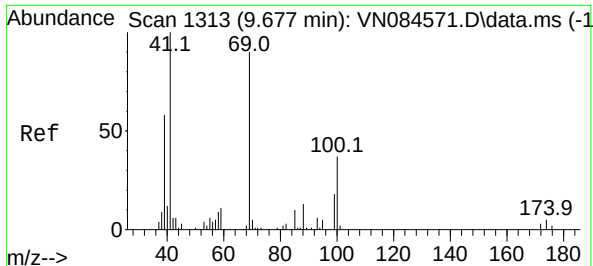
Tgt Ion: 63 Resp: 969

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 37.528 ug/l

RT: 9.741 min Scan# 1313

Delta R.T. 0.065 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

TP-3

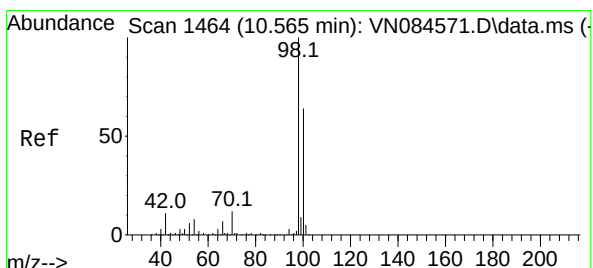
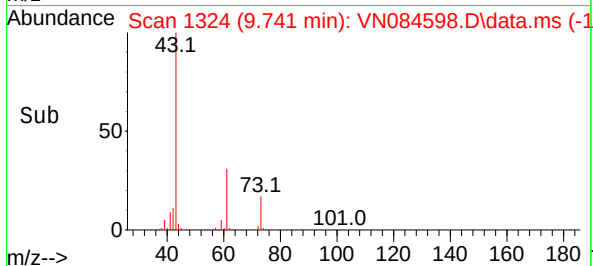
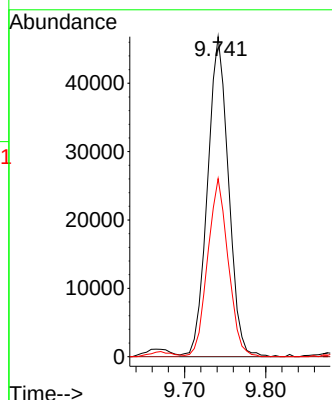
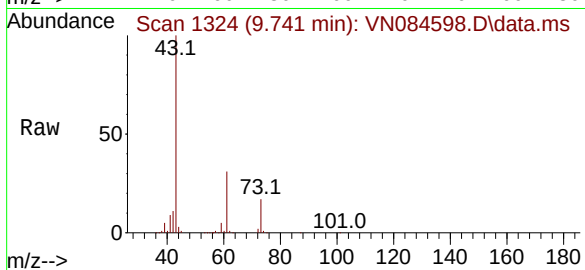
Tgt Ion: 41 Resp: 84114

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 54.4 45.8 68.6



#50

Toluene-d8

Concen: 48.446 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084598.D

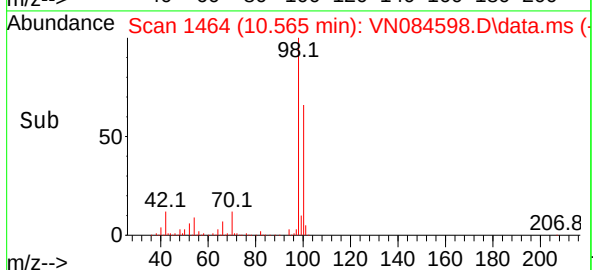
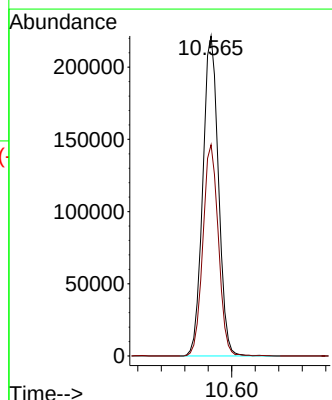
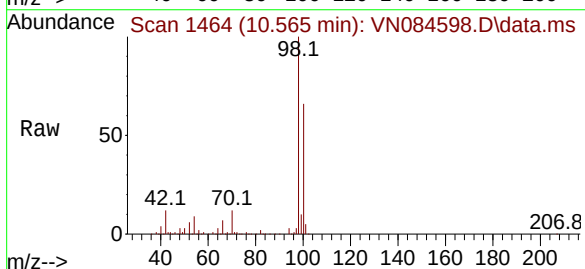
Acq: 31 Oct 2024 04:09

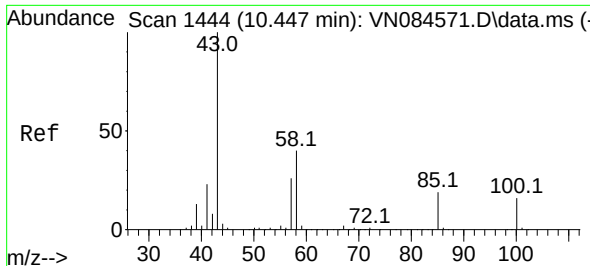
Tgt Ion: 98 Resp: 408446

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 3.045 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

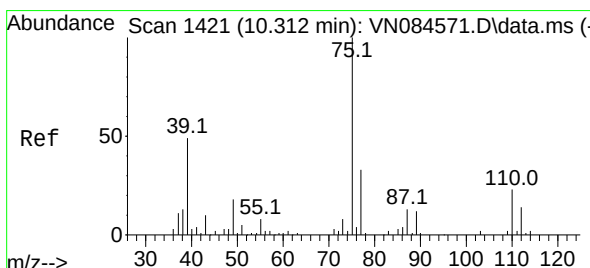
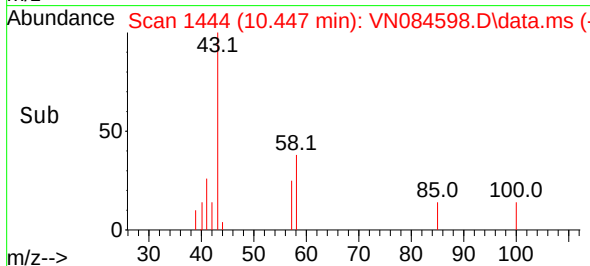
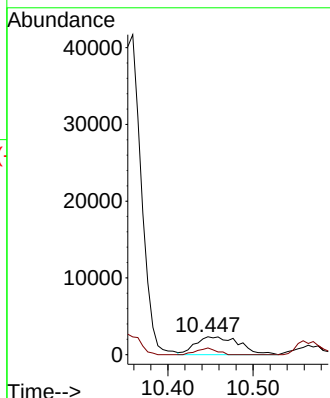
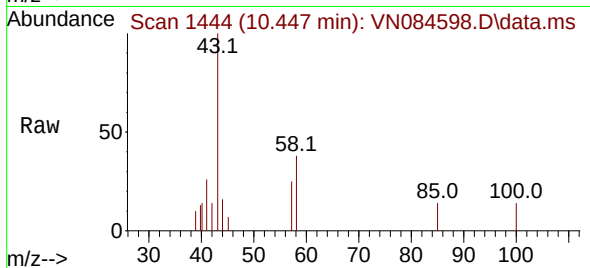
TP-3

Tgt Ion: 43 Resp: 8360

Ion Ratio Lower Upper

43 100

58 16.9 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 8.930 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

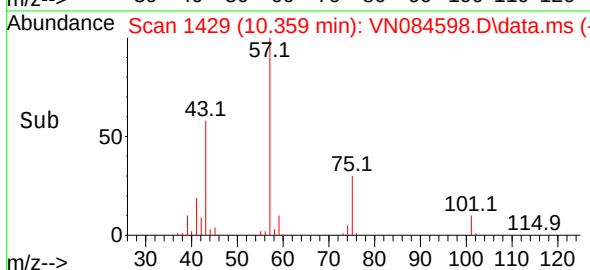
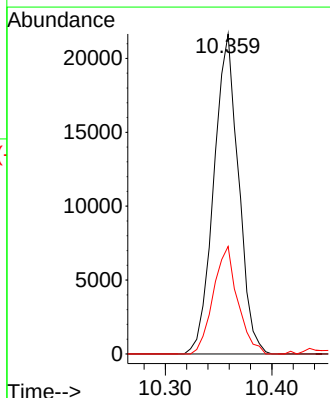
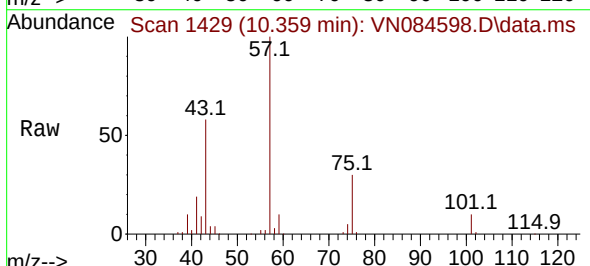
Tgt Ion: 75 Resp: 34798

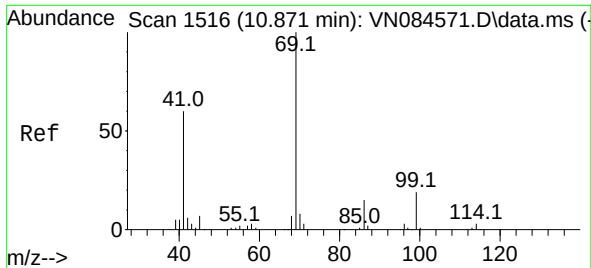
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 33.6 38.7 58.1#

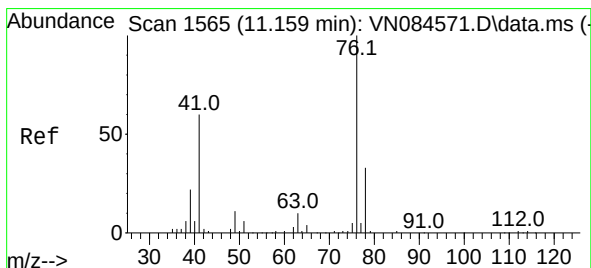
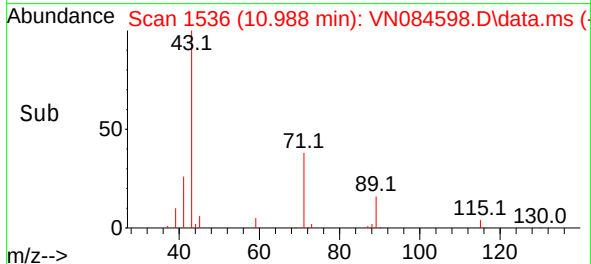
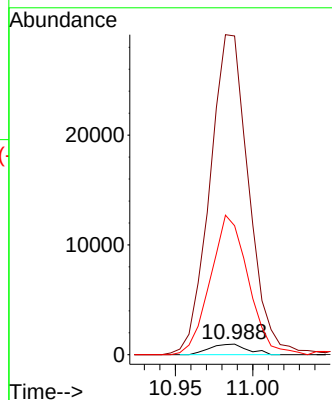
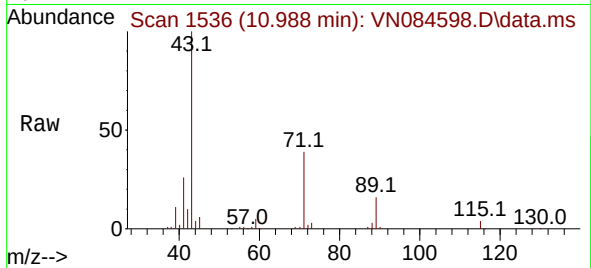




#56
Ethyl methacrylate
Concen: 0.500 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

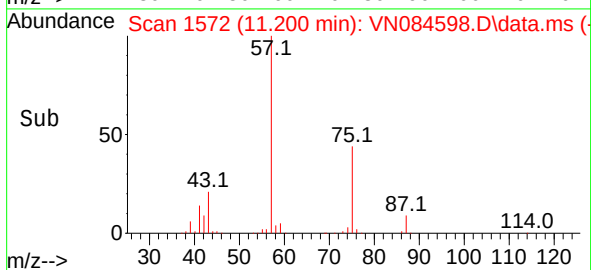
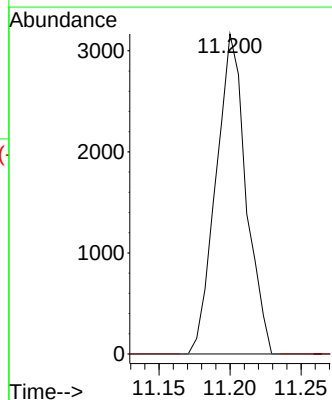
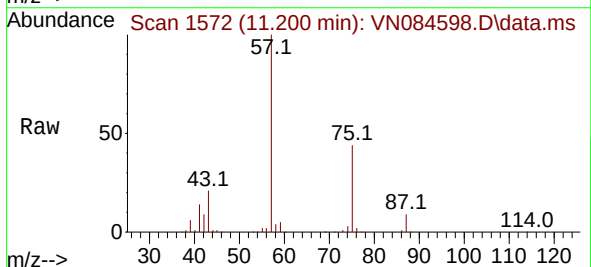
Instrument :
MSVOA_N
ClientSampleId :
TP-3

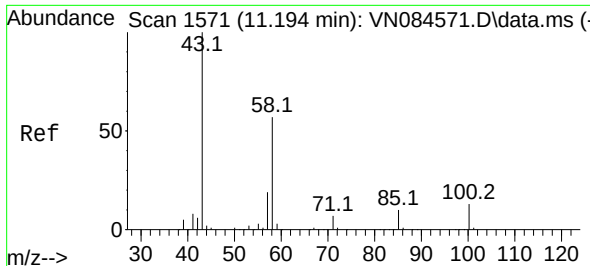
Tgt Ion: 69 Resp: 1624
Ion Ratio Lower Upper
69 100
41 3144.8 53.3 79.9#
39 1335.3 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.211 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion: 76 Resp: 4667
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 27.341 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

Instrument :

MSVOA_N

ClientSampleId :

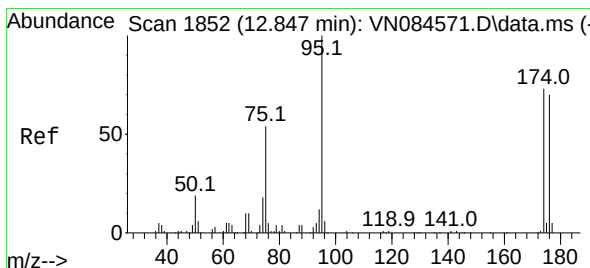
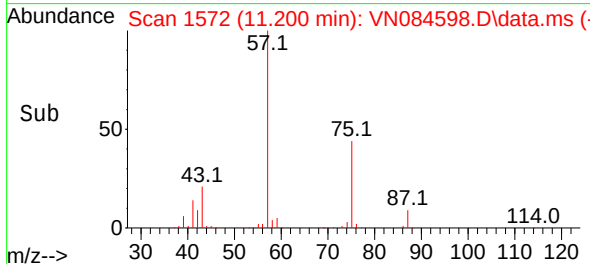
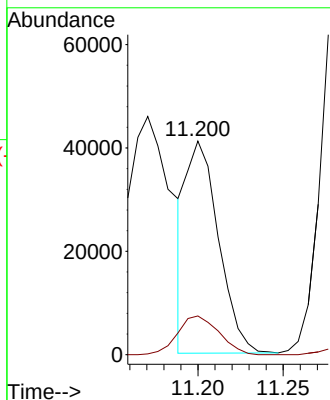
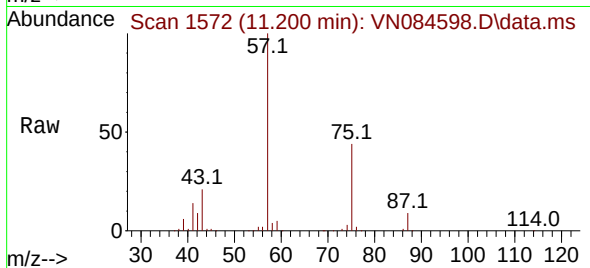
TP-3

Tgt Ion: 43 Resp: 54637

Ion Ratio Lower Upper

43 100

58 23.2 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 47.348 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084598.D

Acq: 31 Oct 2024 04:09

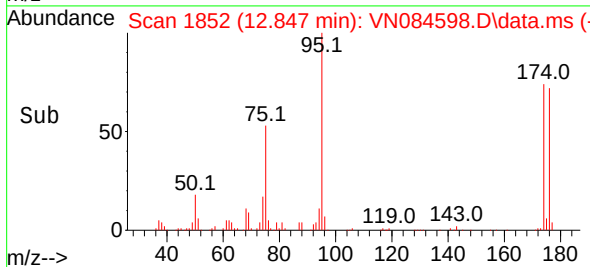
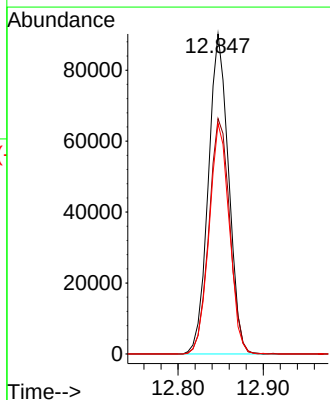
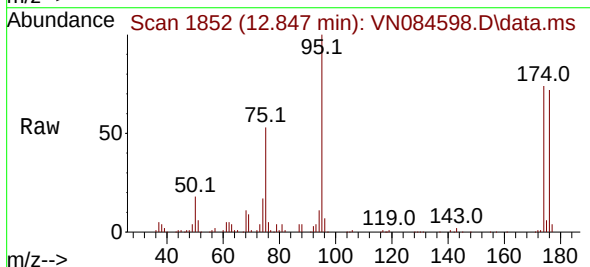
Tgt Ion: 95 Resp: 149191

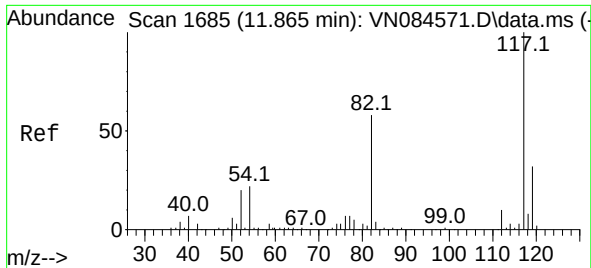
Ion Ratio Lower Upper

95 100

174 75.8 0.0 145.2

176 71.8 0.0 140.0

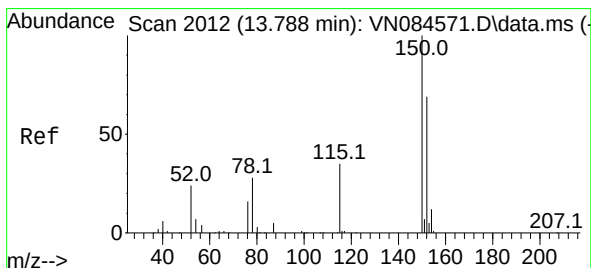
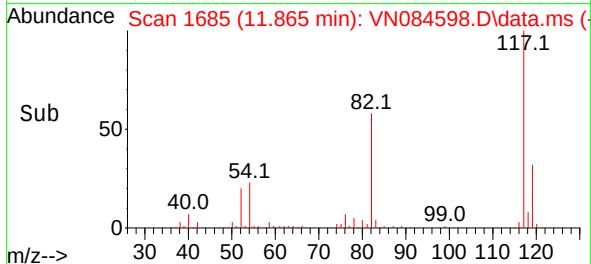
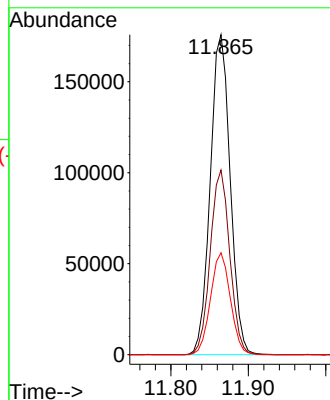
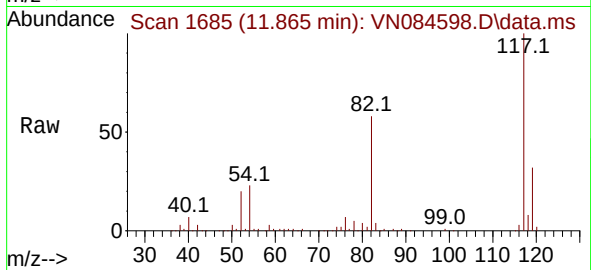




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

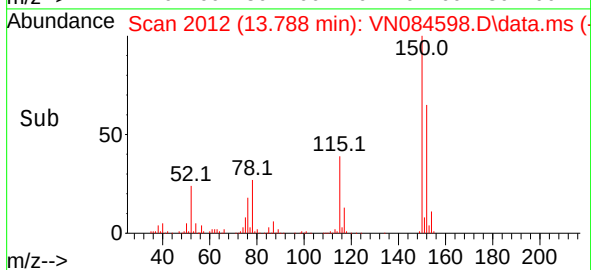
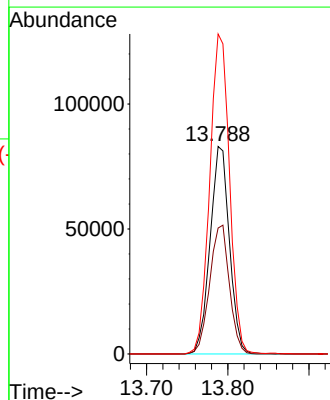
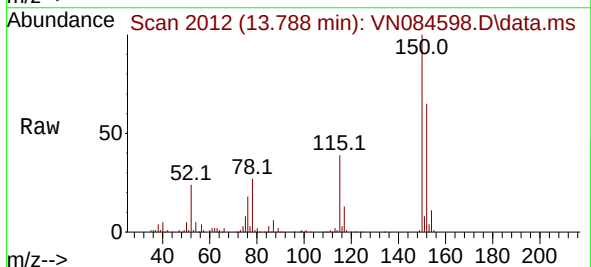
Instrument :
MSVOA_N
ClientSampleId :
TP-3

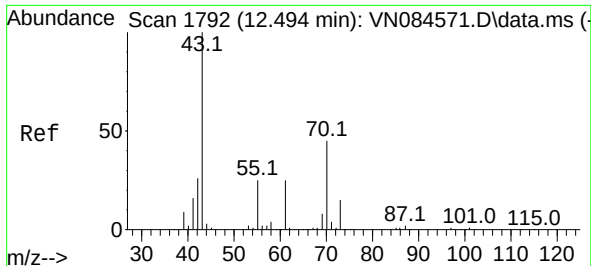
Tgt Ion:117 Resp: 314428
Ion Ratio Lower Upper
117 100
82 57.7 47.2 70.8
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion:152 Resp: 137307
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.9
150 157.6 0.0 349.8

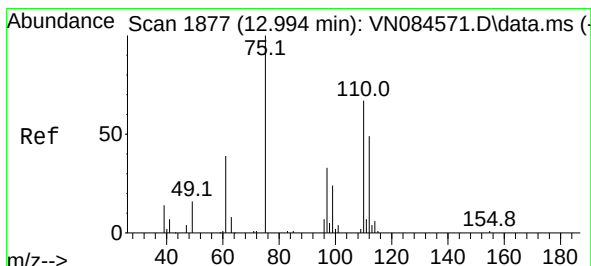
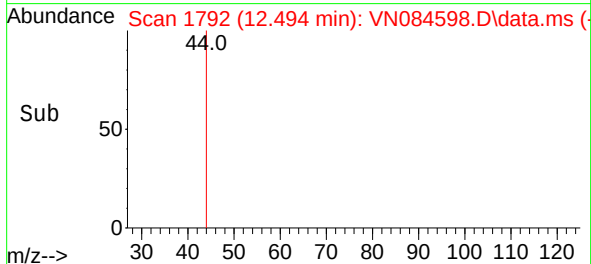
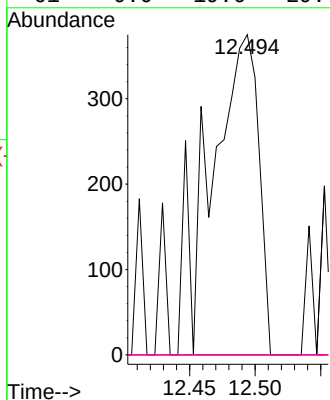
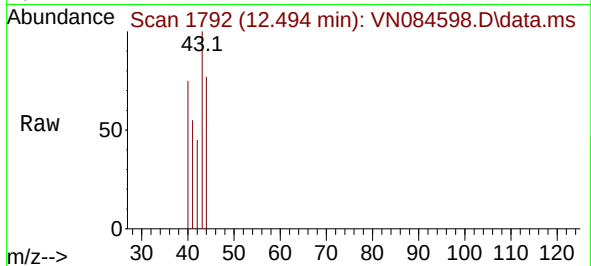




#74
N-amyI acetate
Concen: 0.235 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

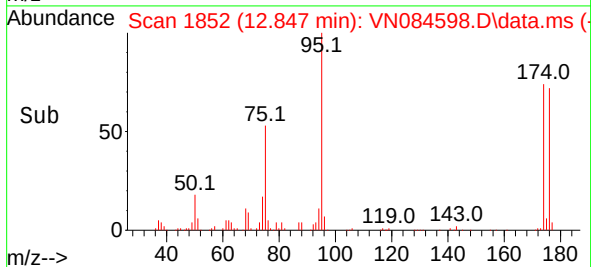
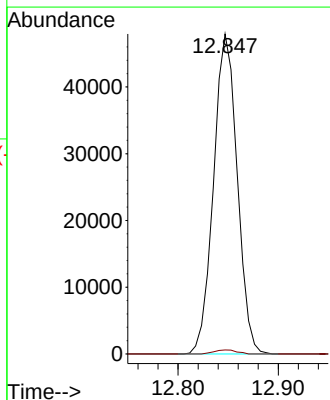
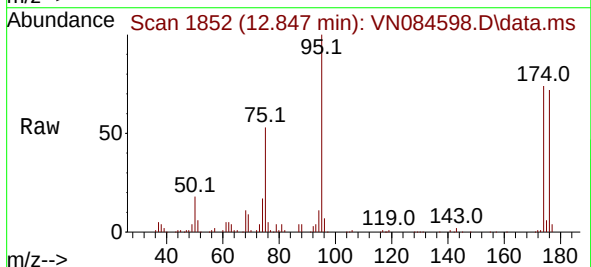
Instrument :
MSVOA_N
ClientSampleId :
TP-3

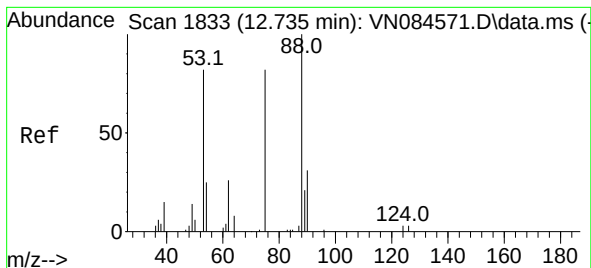
Tgt Ion: 43	Resp:	963
Ion	Ratio	Lower Upper
43	100	
70	0.0	34.4 51.6#
55	0.0	19.6 29.4#
61	0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 28.613 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion: 75	Resp:	78534
Ion	Ratio	Lower Upper
75	100	
77	1.2	96.9 290.7#

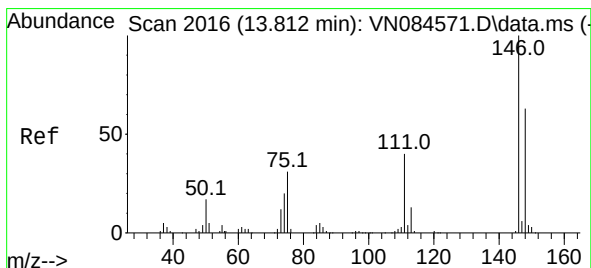
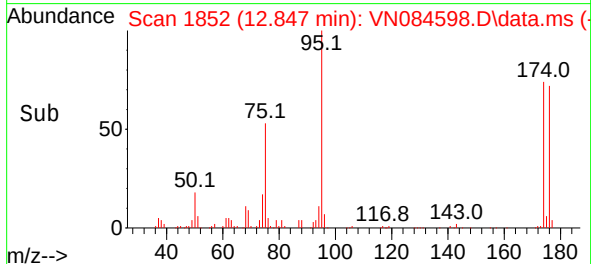
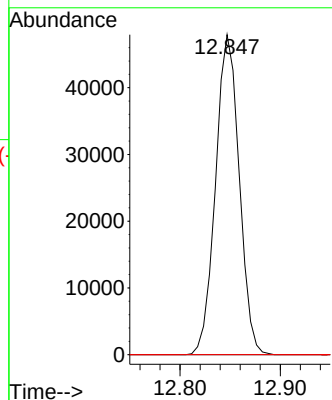
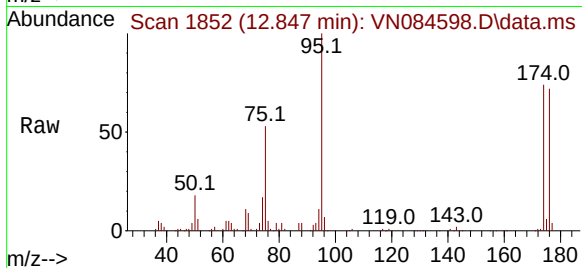




#81
trans-1,4-Dichloro-2-butene
Concen: 67.881 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 78534
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084598.D
Acq: 31 Oct 2024 04:09

Tgt Ion:146 Resp: 107
Ion Ratio Lower Upper
146 100
111 1687.9 21.2 63.6#
148 567.3 31.9 95.9#

