

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084587.D
 Acq On : 30 Oct 2024 23:46
 Operator : JC\MD
 Sample : P4594-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Nov 01 04:58:53 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	184691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130395	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135181	50.676	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.360%
35) Dibromofluoromethane	8.165	113	110876	48.585	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	10.565	98	407173	48.436	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.880%
62) 4-Bromofluorobenzene	12.847	95	148146	47.154	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.300%

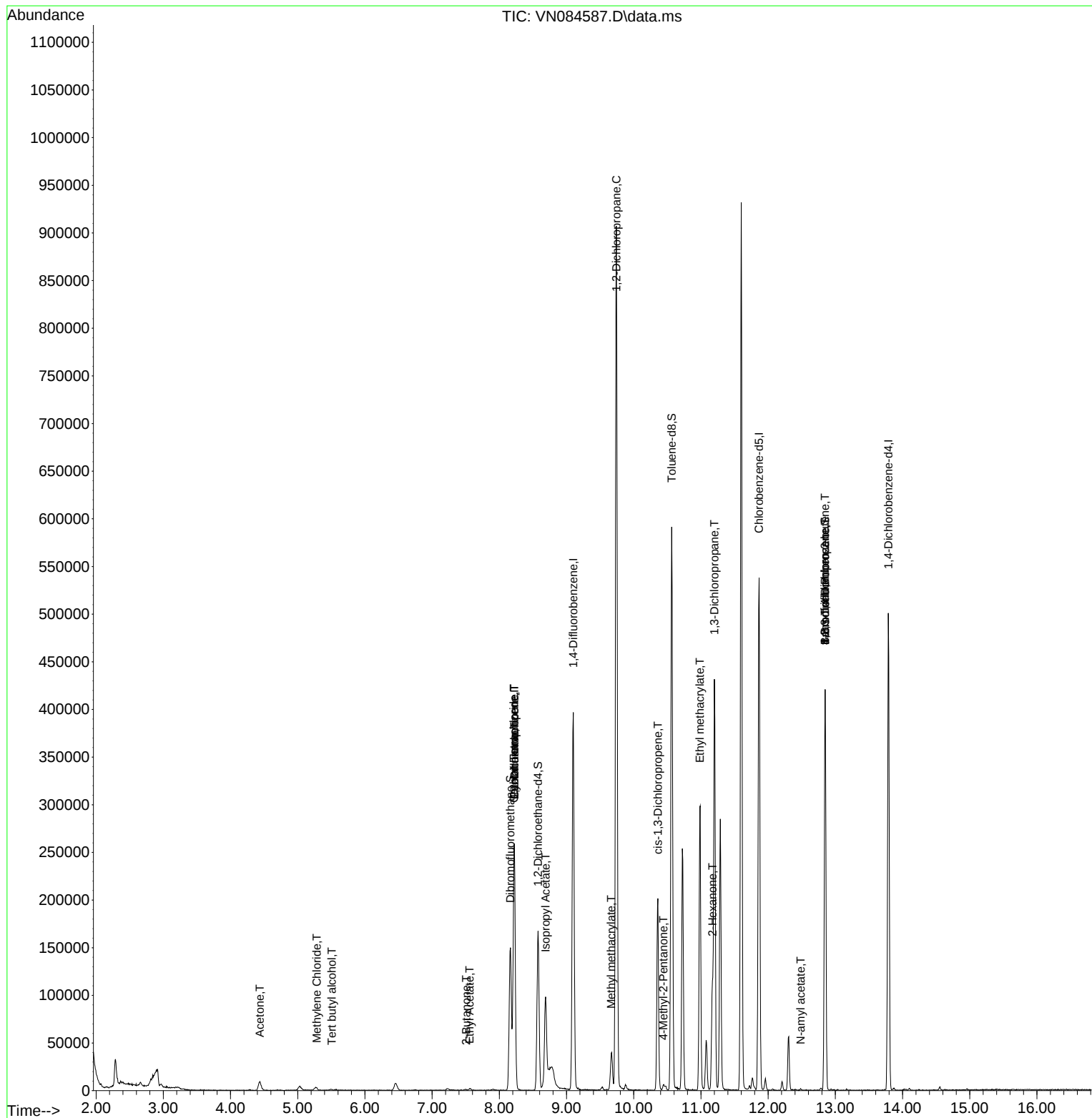
Target Compounds				Qvalue		
3) Chloromethane	2.359	50	1153	Below Cal	#	77
6) Chloroethane	3.165	64	470	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	401	1.139	ug/l #	73
16) Acetone	4.436	43	17737	20.399	ug/l	97
18) Methyl Acetate	5.030	43	8614	Below Cal		96
20) Methylene Chloride	5.283	84	2497	1.064	ug/l #	75
25) 2-Butanone	7.506	43	1550	1.245	ug/l #	74
31) Cyclohexane	8.224	56	4480	1.216	ug/l #	6
36) 1,1-Dichloropropene	8.224	75	15720	4.967	ug/l #	50
37) Ethyl Acetate	7.559	43	2768	0.964	ug/l #	86
38) Carbon Tetrachloride	8.218	117	20758	5.868	ug/l #	14
43) Isopropyl Acetate	8.688	43	122581	22.577	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1170	0.491	ug/l #	44
48) Methyl methacrylate	9.665	41	2533	1.133	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	3484	1.273	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	35858	9.229	ug/l #	62
56) Ethyl methacrylate	10.982	69	1276	0.394	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4404	1.146	ug/l #	42
59) 2-Hexanone	11.171	43	90613	45.476	ug/l #	24
71) Bromoform	12.847	173	777	0.433	ug/l #	1
74) N-amyl acetate	12.482	43	831	0.214	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	79650	30.558	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79650	72.495	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	621	Below Cal	#	24

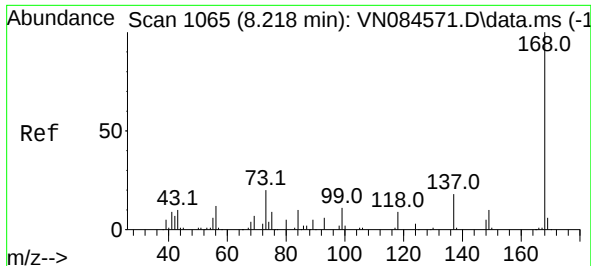
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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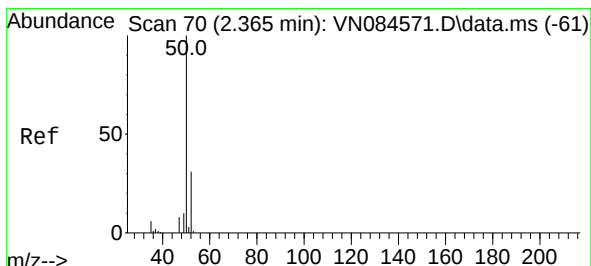
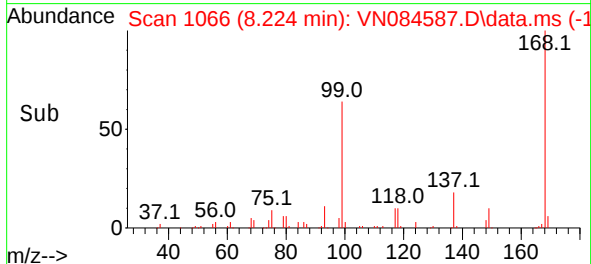
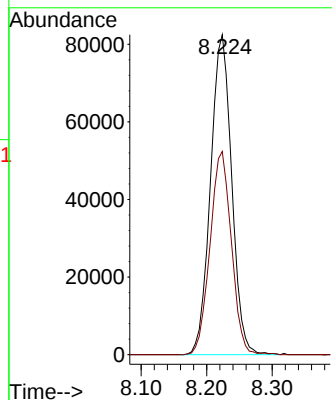
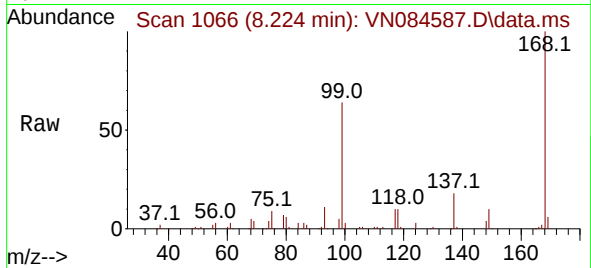




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

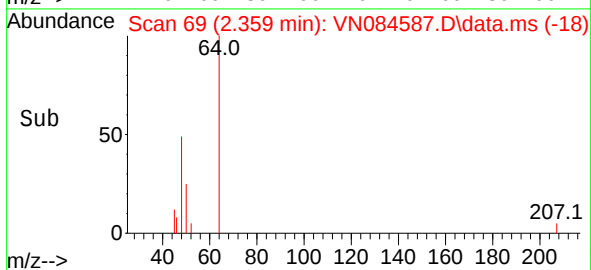
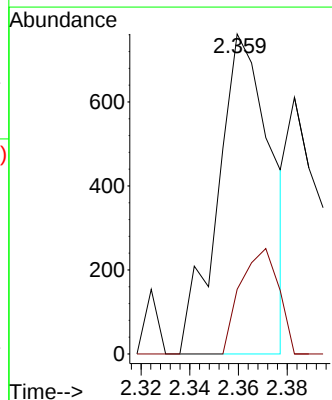
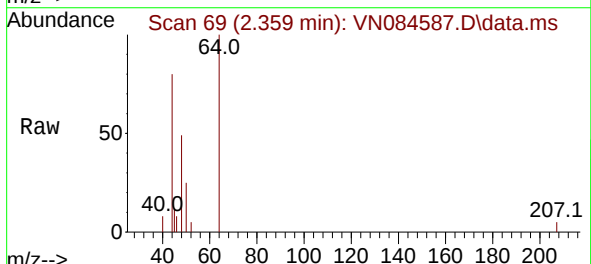
Instrument :
MSVOA_N
ClientSampleId :
TP-5

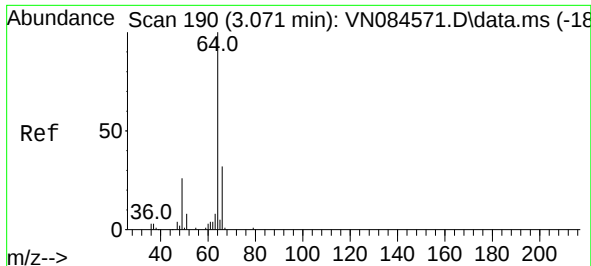
Tgt Ion:168 Resp: 184691
Ion Ratio Lower Upper
168 100
99 63.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 50 Resp: 1153
Ion Ratio Lower Upper
50 100
52 20.2 26.8 40.2#

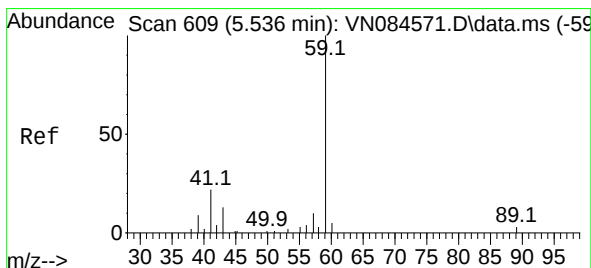
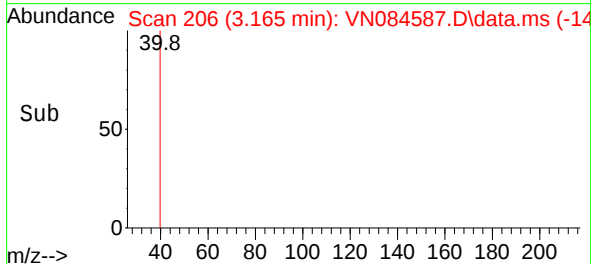
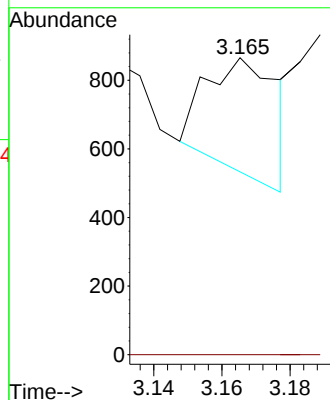
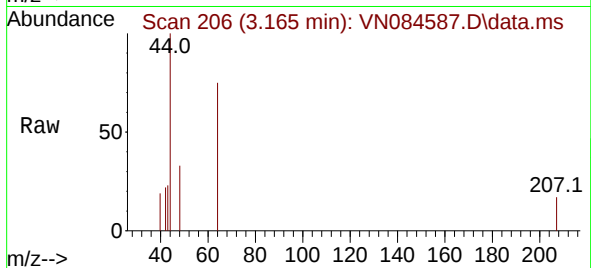




#6
Chloroethane
Concen: Below Cal
RT: 3.165 min Scan# 206
Delta R.T. 0.047 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

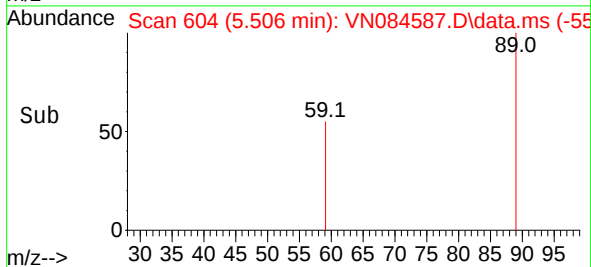
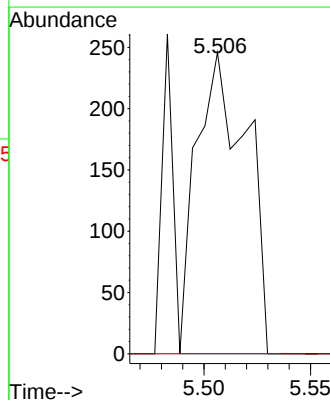
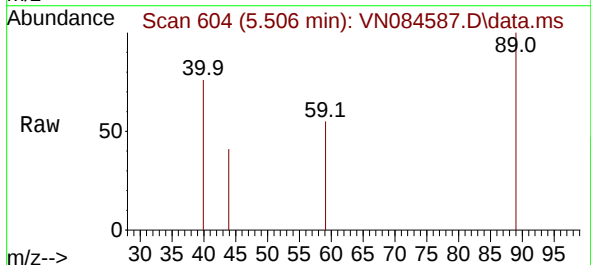
Instrument :
MSVOA_N
ClientSampleId :
TP-5

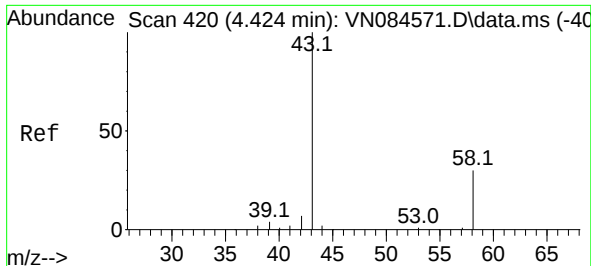
Tgt Ion: 64 Resp: 470
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.139 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

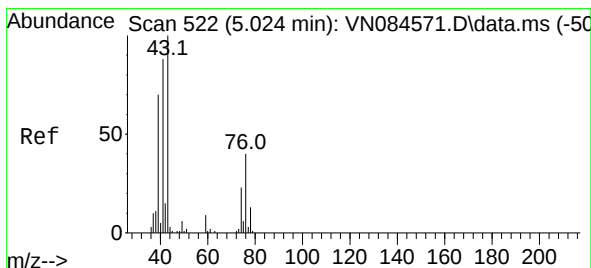
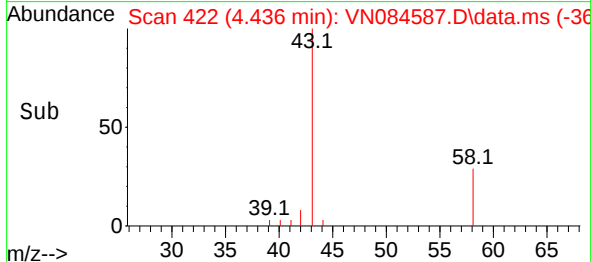
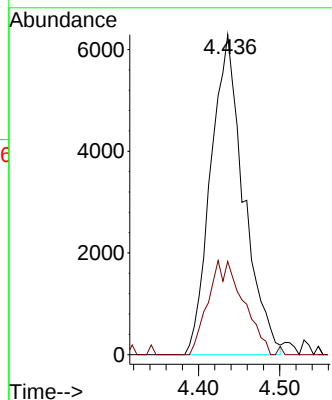
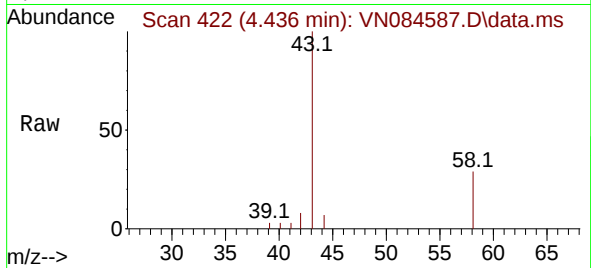




#16
Acetone
Concen: 20.399 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

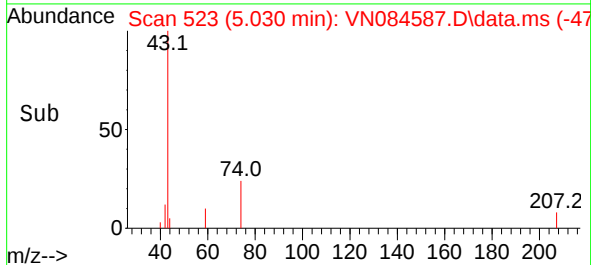
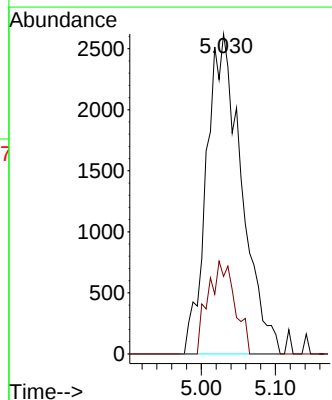
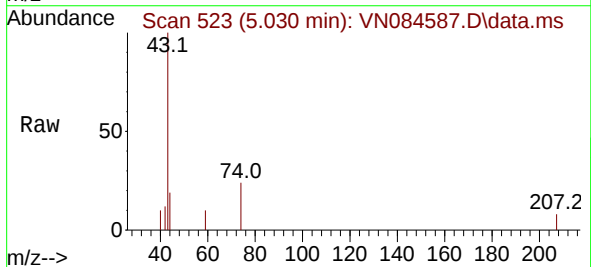
Instrument :
MSVOA_N
ClientSampleId :
TP-5

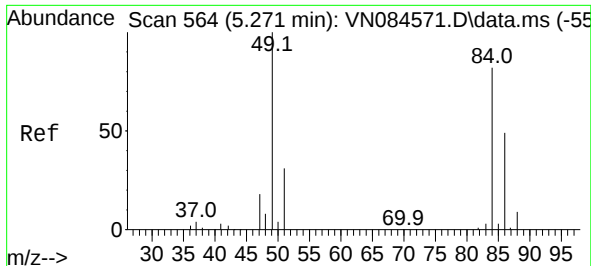
Tgt Ion: 43 Resp: 17737
Ion Ratio Lower Upper
43 100
58 29.1 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 43 Resp: 8614
Ion Ratio Lower Upper
43 100
74 22.1 19.2 28.8

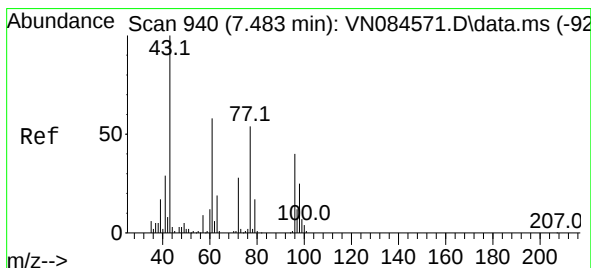
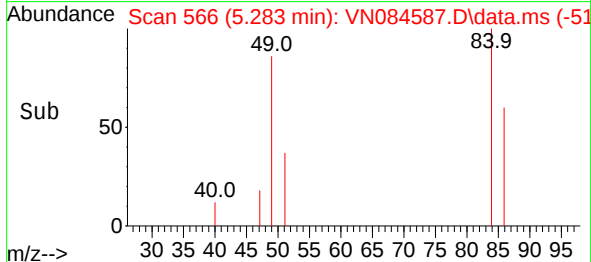
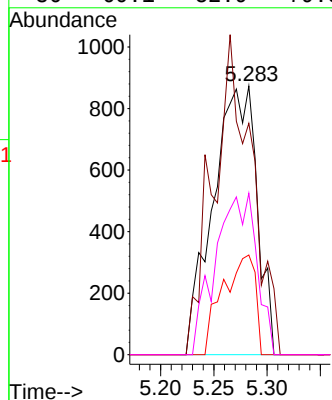
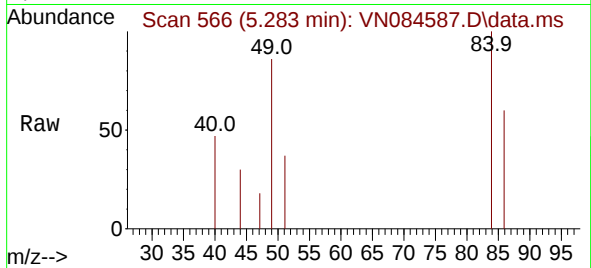




#20
Methylene Chloride
Concen: 1.064 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

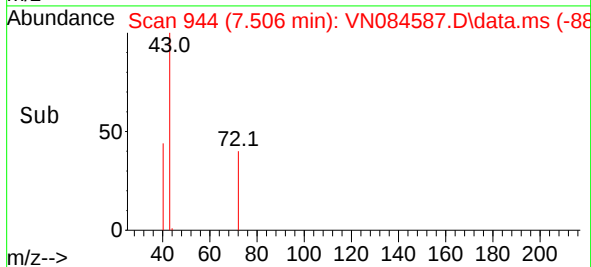
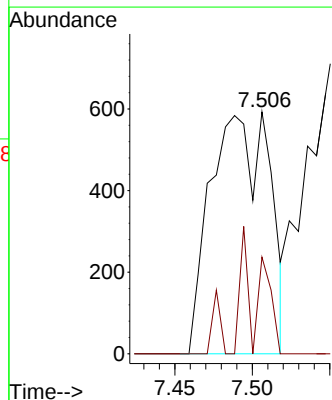
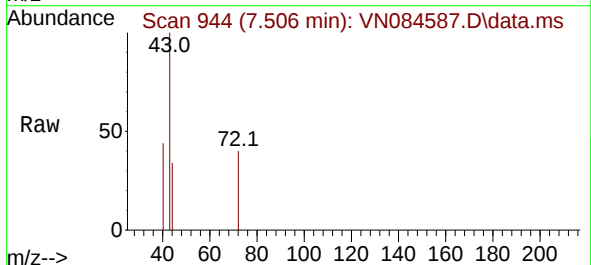
Instrument :
MSVOA_N
ClientSampleId :
TP-5

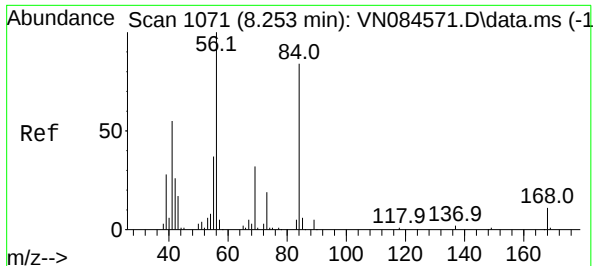
Tgt Ion: 84	Resp: 2497
Ion Ratio	Lower Upper
84 100	
49 86.1	107.2 160.8#
51 37.1	31.8 47.8
86 60.1	52.9 79.3



#25
2-Butanone
Concen: 1.245 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.024 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

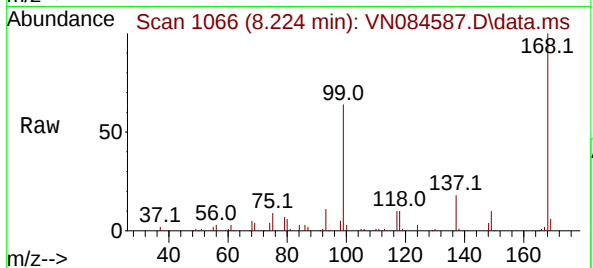
Tgt Ion: 43	Resp: 1550
Ion Ratio	Lower Upper
43 100	
72 40.0	21.4 32.2#



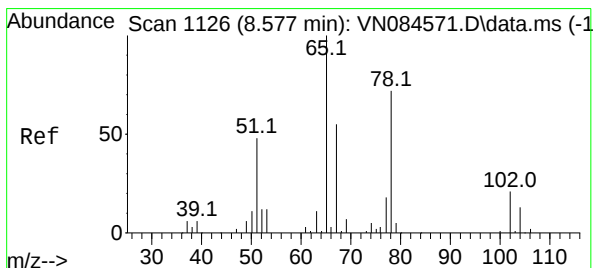
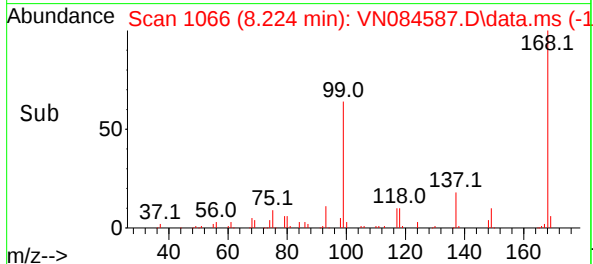
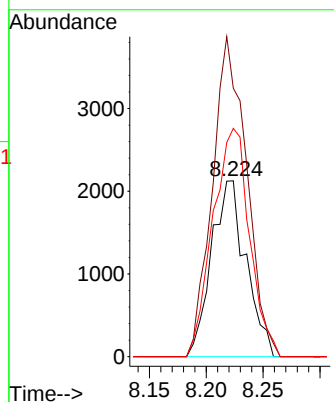


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Instrument :
MSVOA_N
ClientSampleId :
TP-5

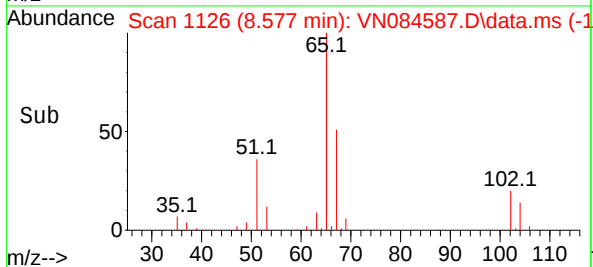
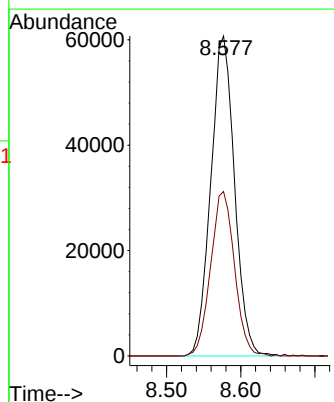
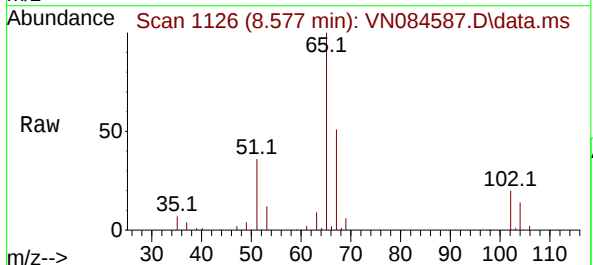


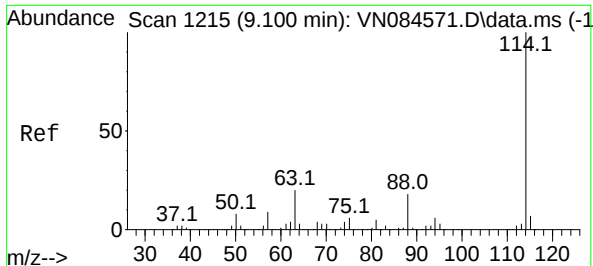
Tgt Ion: 56 Resp: 4480
Ion Ratio Lower Upper
56 100
69 152.7 23.8 35.6#
84 129.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.676 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 65 Resp: 135181
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.0

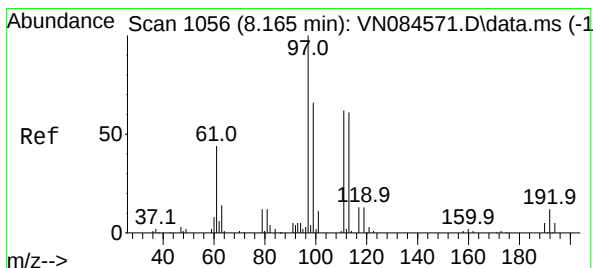
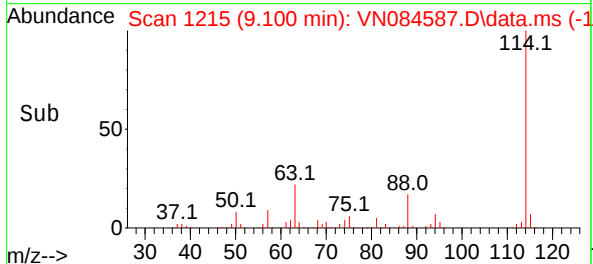
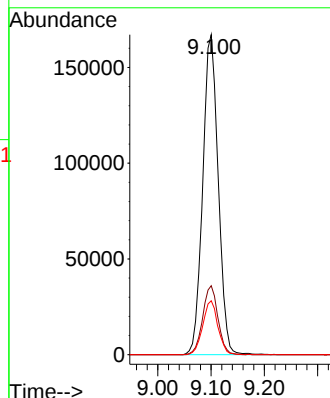
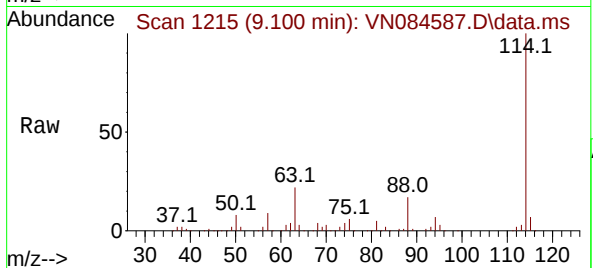




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

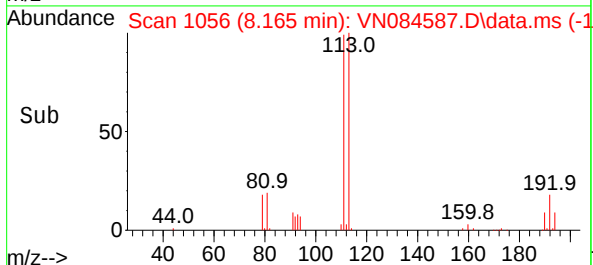
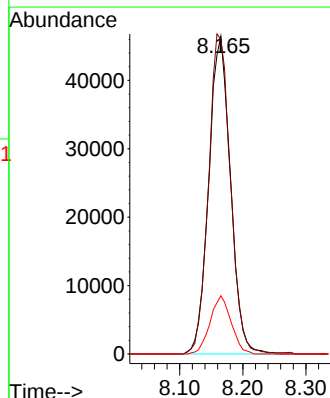
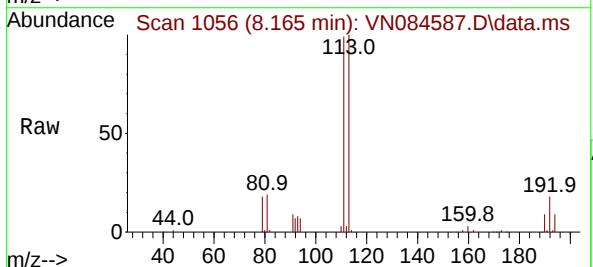
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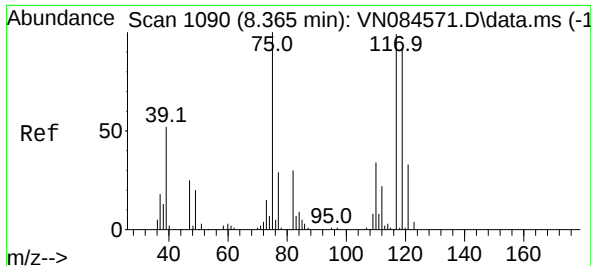
Tgt Ion:114 Resp: 337149
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.8
88 16.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 48.585 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion:113 Resp: 110876
Ion Ratio Lower Upper
113 100
111 101.7 83.3 124.9
192 17.8 13.5 20.3

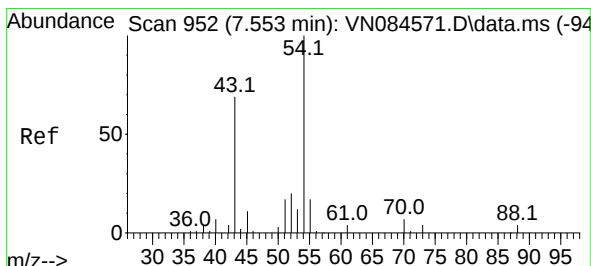
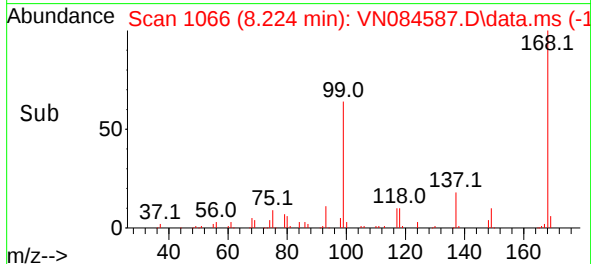
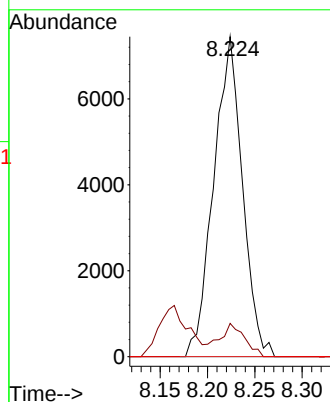
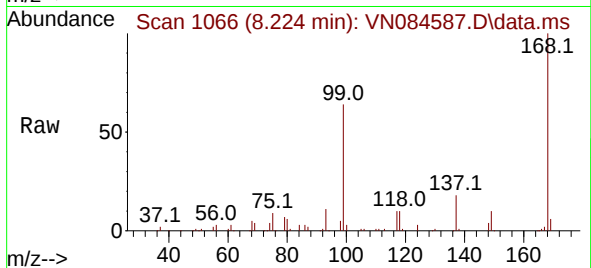




#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

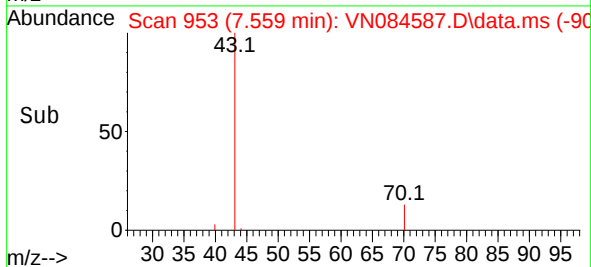
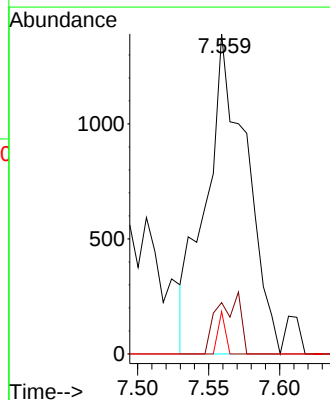
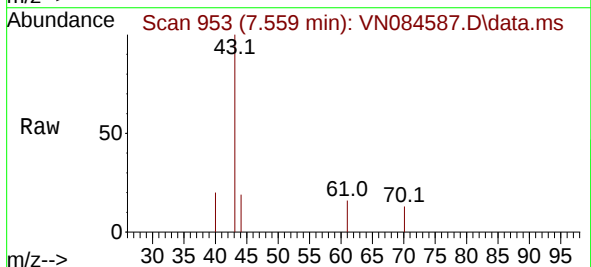
Instrument :
MSVOA_N
ClientSampleId :
TP-5

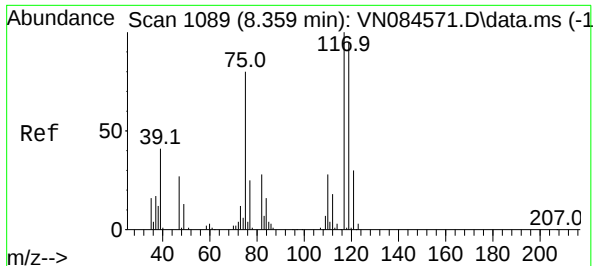
Tgt Ion: 75 Resp: 15720
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.964 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 43 Resp: 2768
Ion Ratio Lower Upper
43 100
61 10.6 10.7 16.1#
70 2.3 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.868 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

Instrument :

MSVOA_N

ClientSampleId :

TP-5

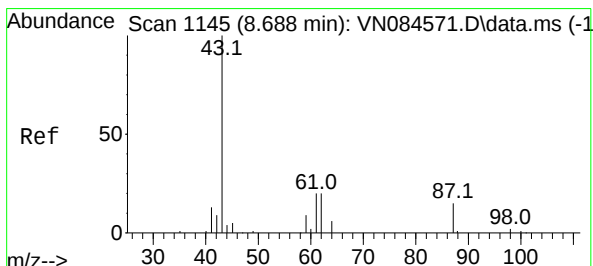
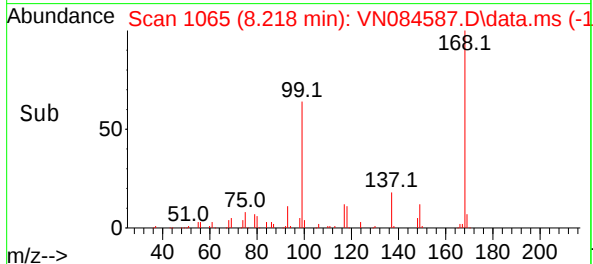
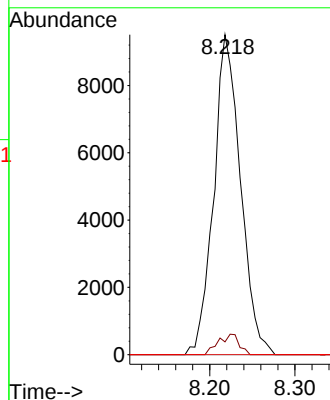
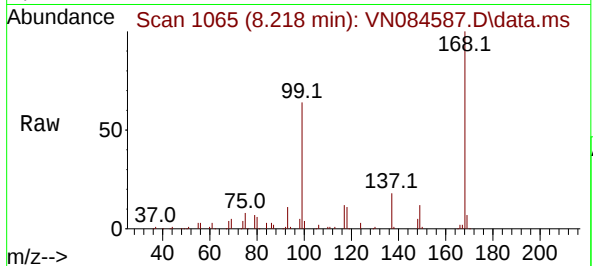
Tgt Ion:117 Resp: 20758

Ion Ratio Lower Upper

117 100

119 4.0 78.7 118.1#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 22.577 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

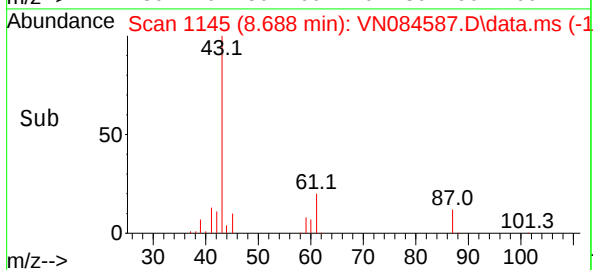
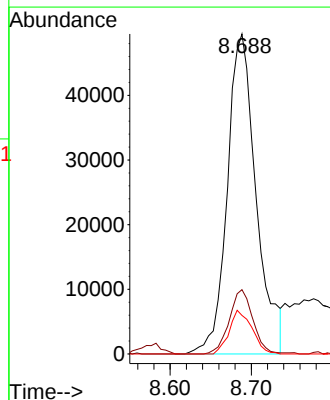
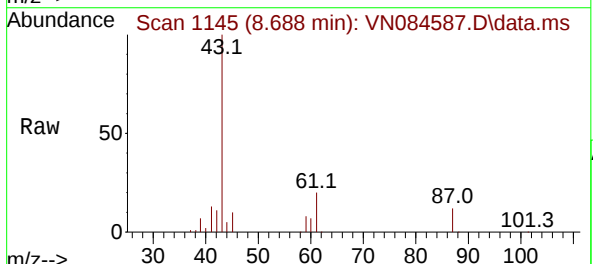
Tgt Ion: 43 Resp: 122581

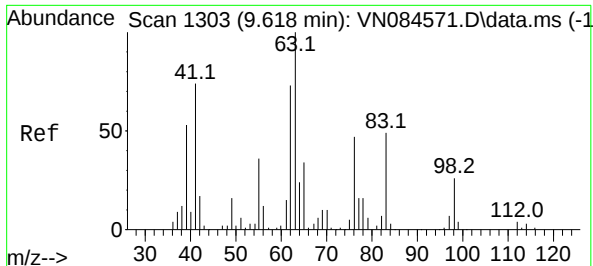
Ion Ratio Lower Upper

43 100

61 16.5 20.4 30.6#

87 10.8 10.3 15.5

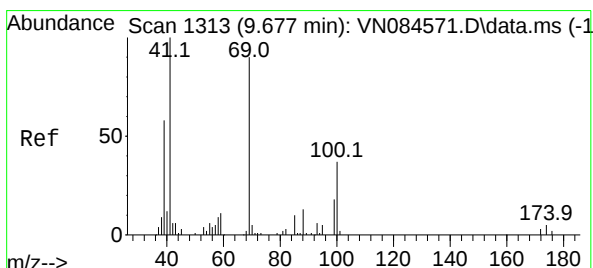
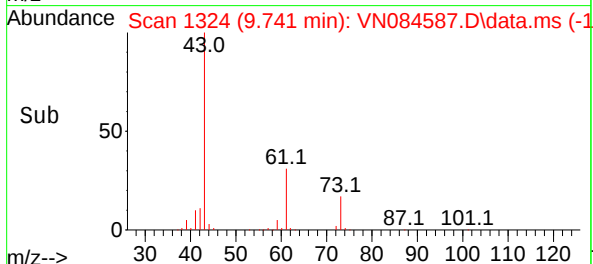
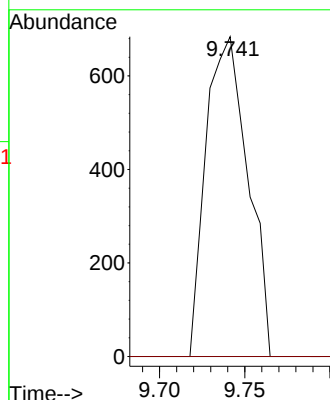
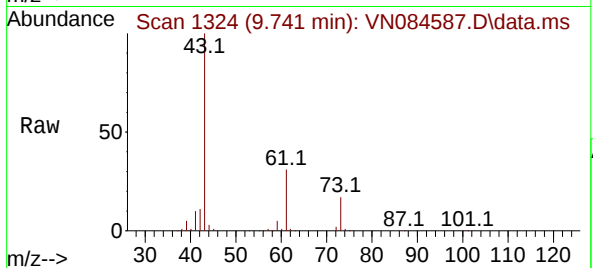




#45
1,2-Dichloropropane
Concen: 0.491 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

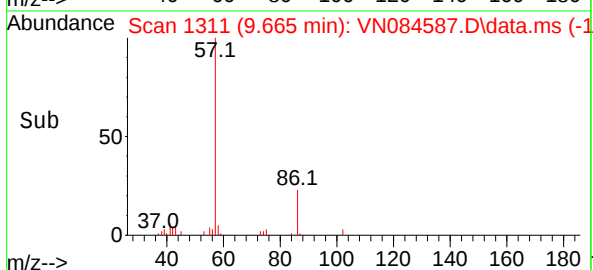
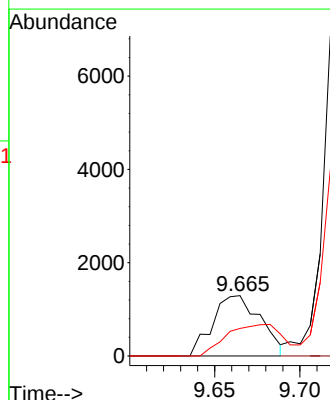
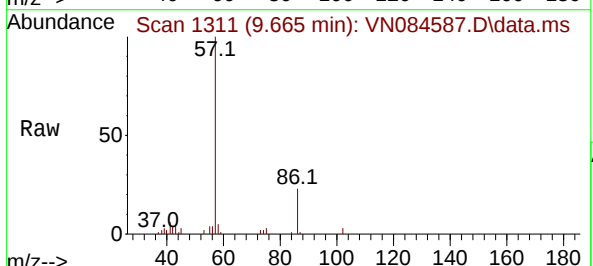
Instrument :
MSVOA_N
ClientSampleId :
TP-5

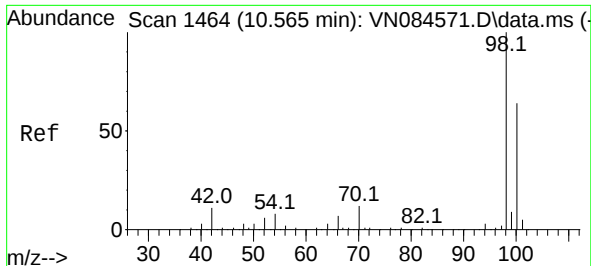
Tgt Ion: 63 Resp: 1170
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.133 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion: 41 Resp: 2533
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 62.9 45.8 68.6





#50

Toluene-d8

Concen: 48.436 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

Instrument :

MSVOA_N

ClientSampleId :

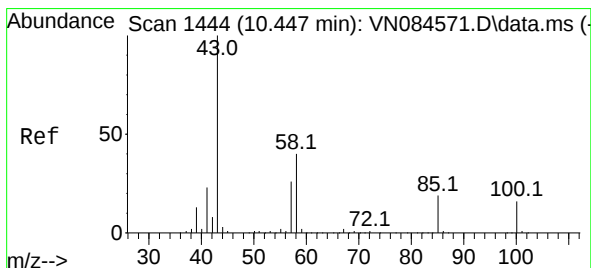
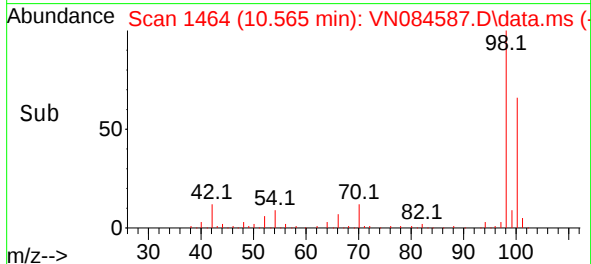
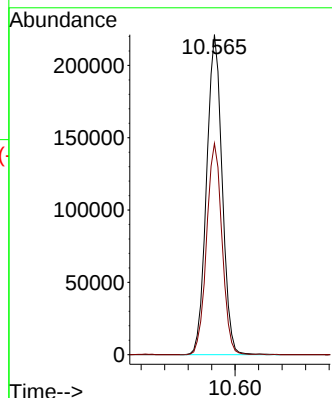
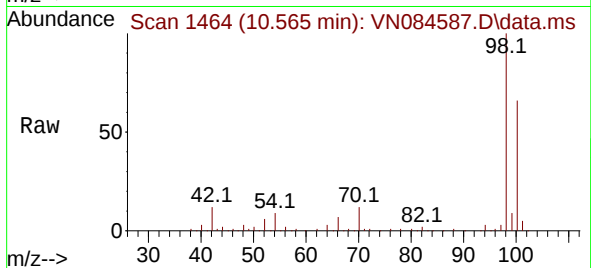
TP-5

Tgt Ion: 98 Resp: 407173

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.273 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN084587.D

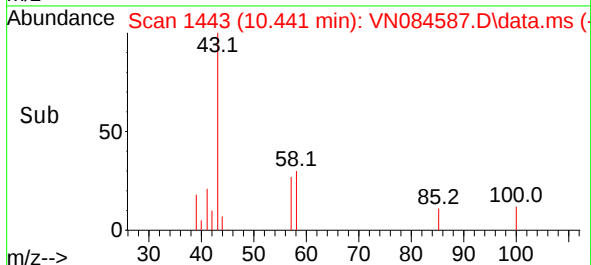
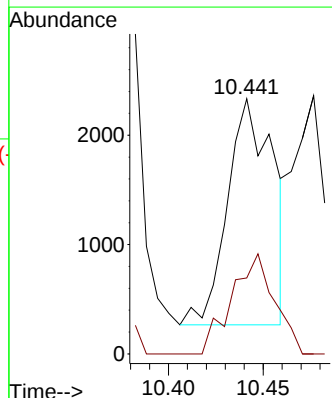
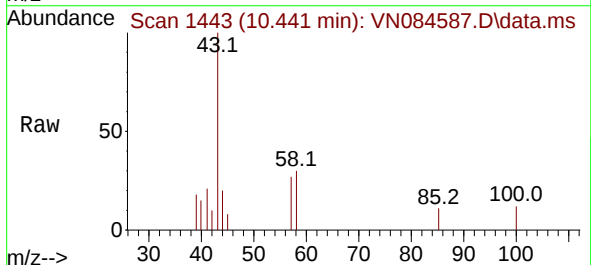
Acq: 30 Oct 2024 23:46

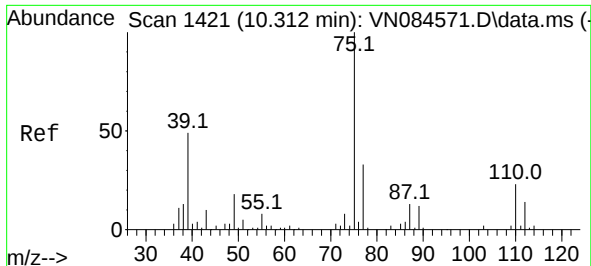
Tgt Ion: 43 Resp: 3484

Ion Ratio Lower Upper

43 100

58 41.2 31.6 47.4





#54

cis-1,3-Dichloropropene

Concen: 9.229 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

Instrument :

MSVOA_N

ClientSampleId :

TP-5

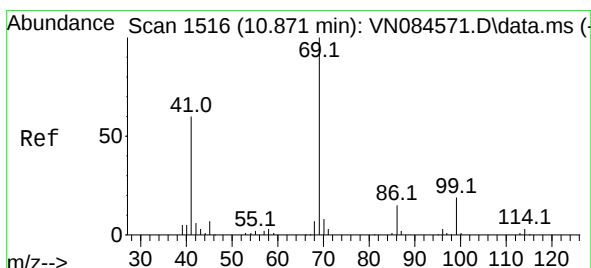
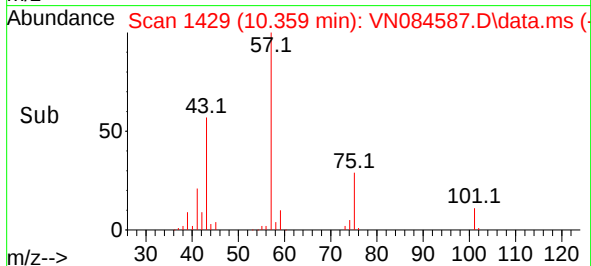
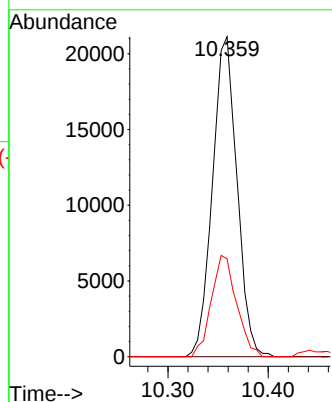
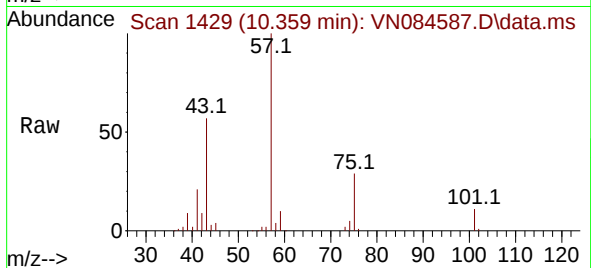
Tgt Ion: 75 Resp: 35858

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 30.6 38.7 58.1#



#56

Ethyl methacrylate

Concen: 0.394 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. 0.112 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

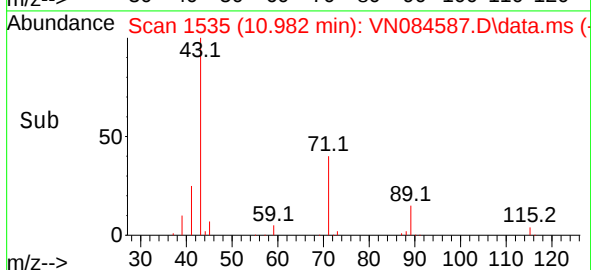
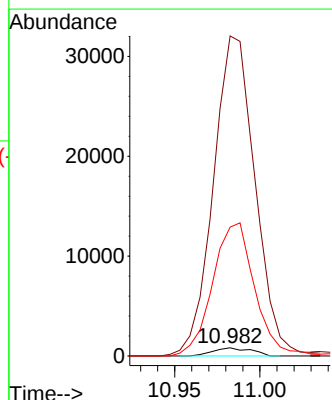
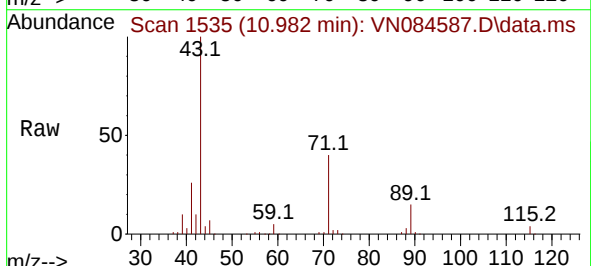
Tgt Ion: 69 Resp: 1276

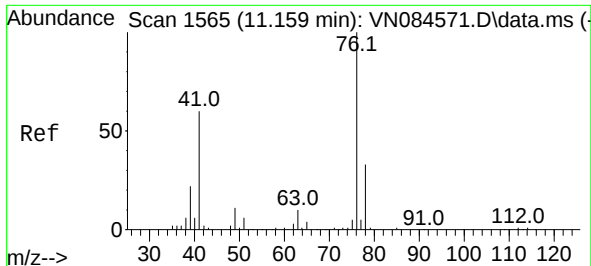
Ion Ratio Lower Upper

69 100

41 4307.0 53.3 79.9#

39 1801.3 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.146 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

Instrument :

MSVOA_N

ClientSampleId :

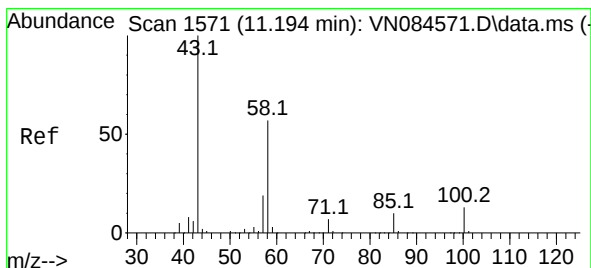
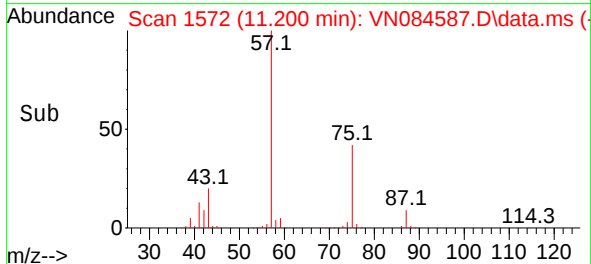
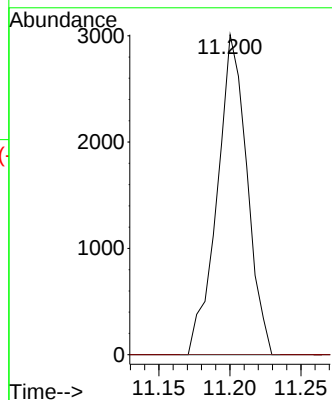
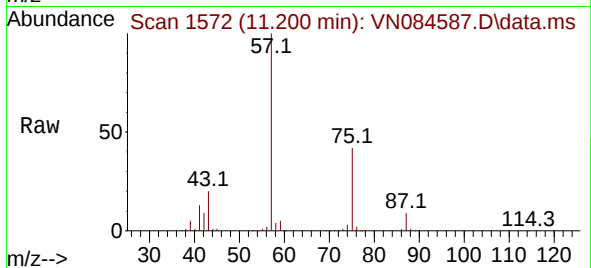
TP-5

Tgt Ion: 76 Resp: 4404

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.476 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN084587.D

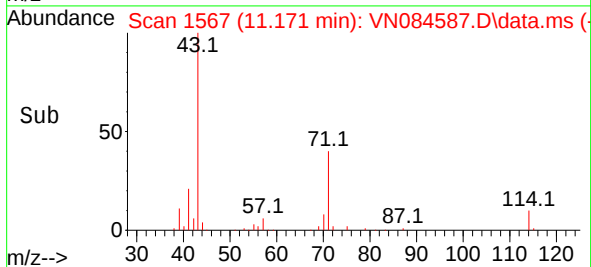
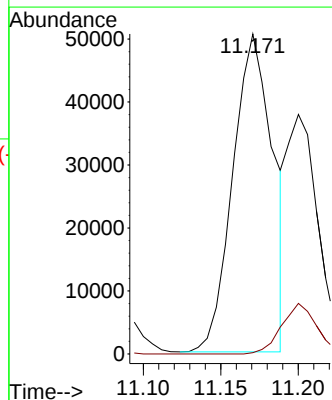
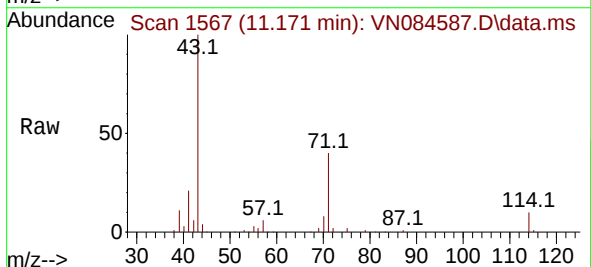
Acq: 30 Oct 2024 23:46

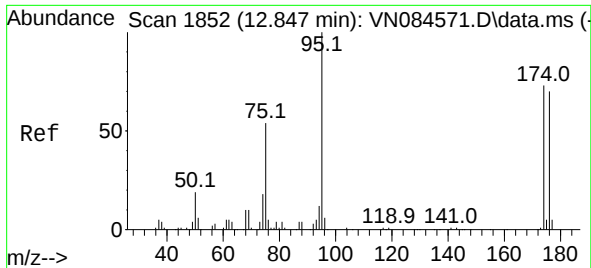
Tgt Ion: 43 Resp: 90613

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 47.154 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

Instrument :

MSVOA_N

ClientSampleId :

TP-5

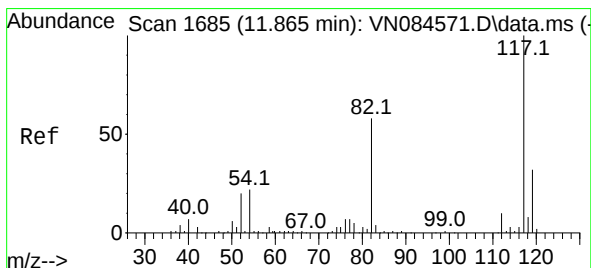
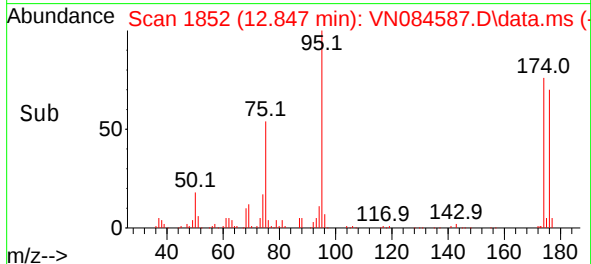
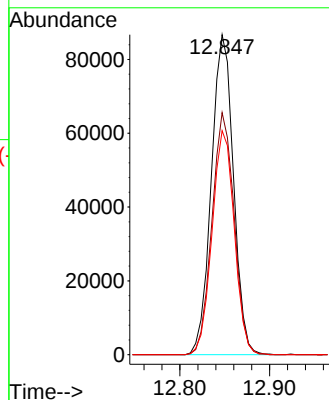
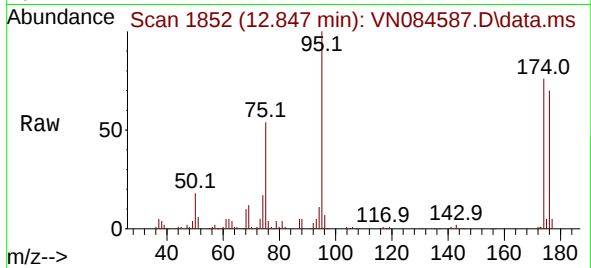
Tgt Ion: 95 Resp: 148146

Ion Ratio Lower Upper

95 100

174 75.9 0.0 145.2

176 70.5 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084587.D

Acq: 30 Oct 2024 23:46

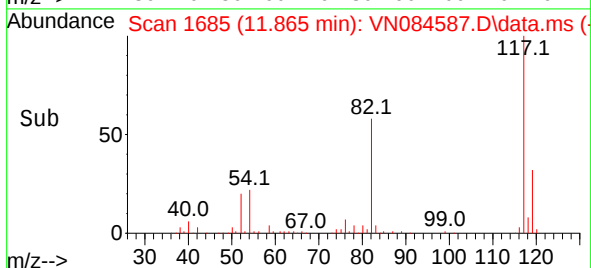
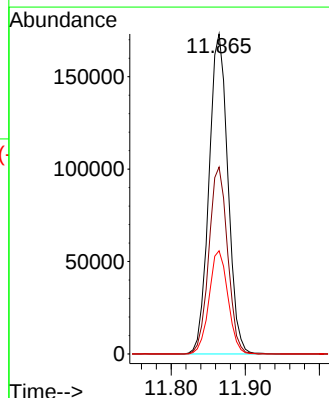
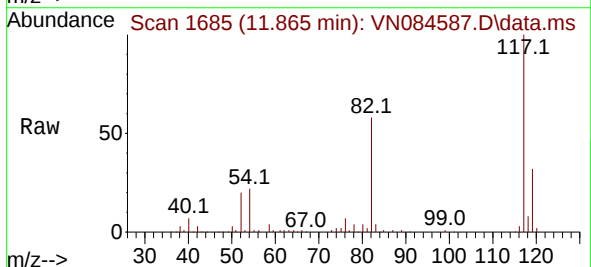
Tgt Ion: 117 Resp: 306766

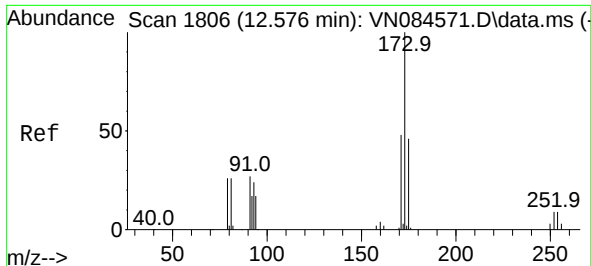
Ion Ratio Lower Upper

117 100

82 58.4 47.2 70.8

119 32.2 25.4 38.0

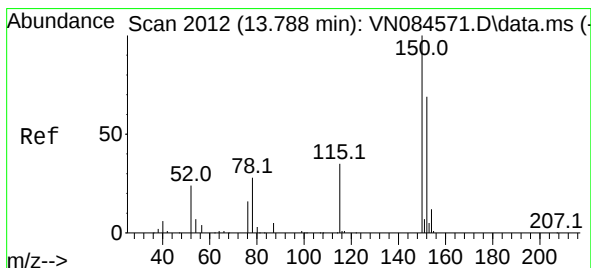
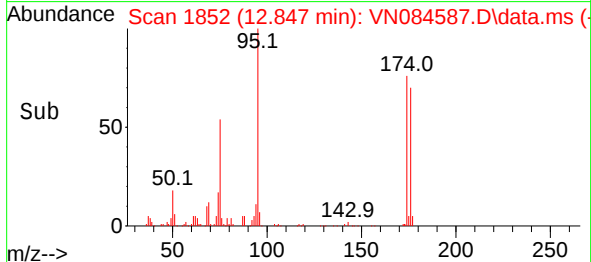
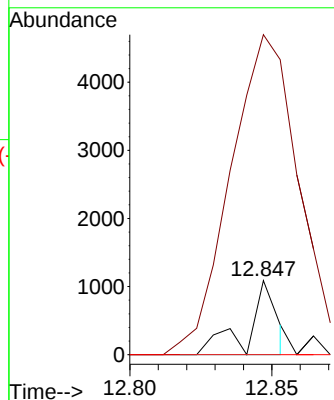
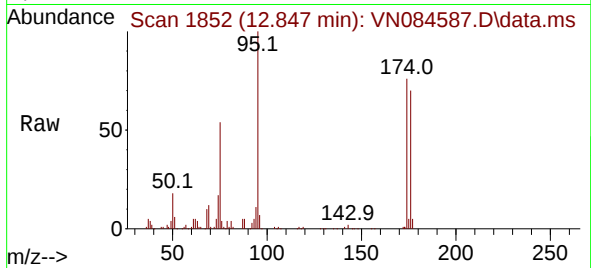




#71
Bromoform
Concen: 0.433 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

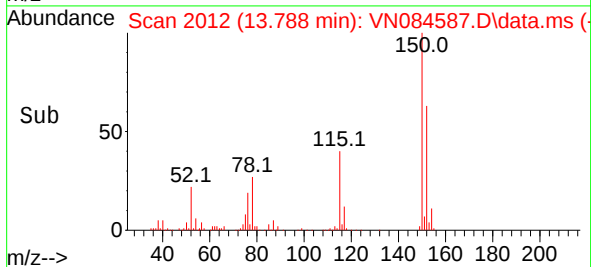
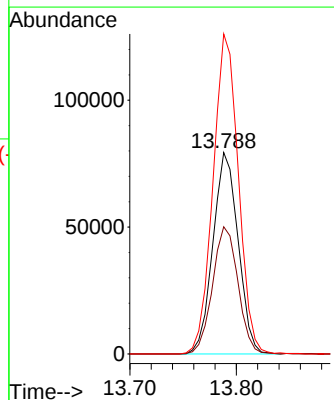
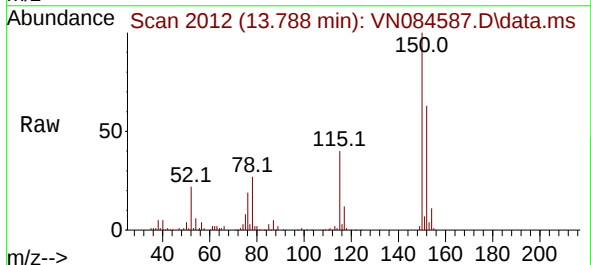
Instrument :
MSVOA_N
ClientSampleId :
TP-5

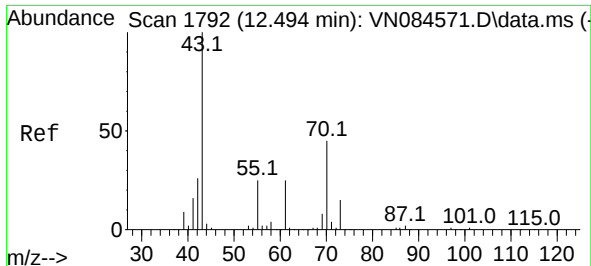
Tgt Ion:173 Resp: 777
Ion Ratio Lower Upper
173 100
175 792.0 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion:152 Resp: 130395
Ion Ratio Lower Upper
152 100
115 63.8 31.3 93.9
150 159.9 0.0 349.8

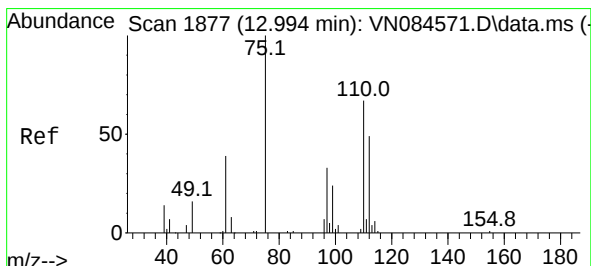
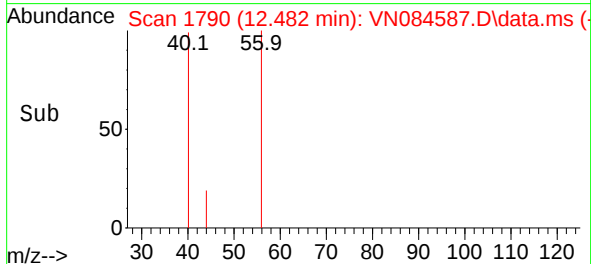
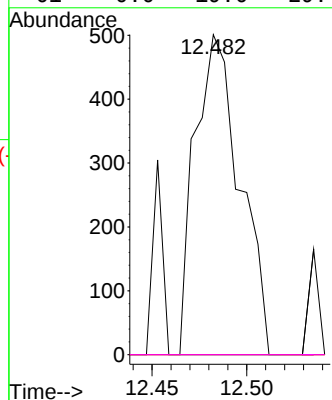
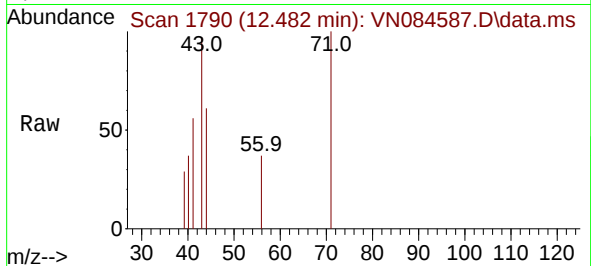




#74
N-amyI acetate
Concen: 0.214 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

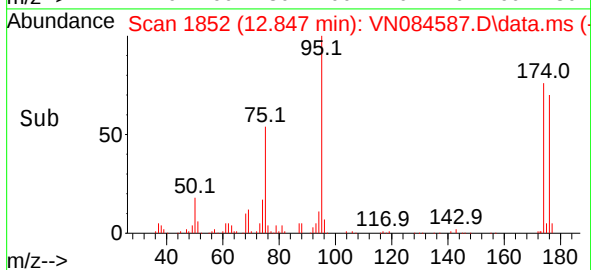
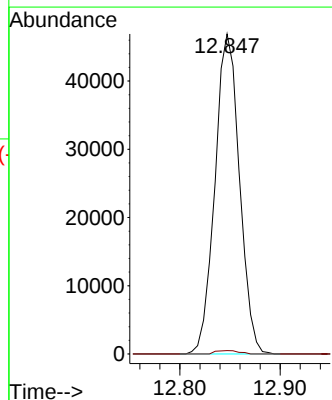
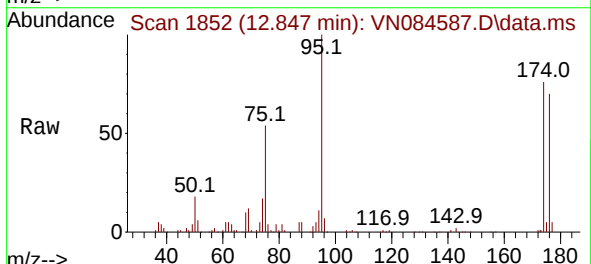
Instrument :
MSVOA_N
ClientSampleId :
TP-5

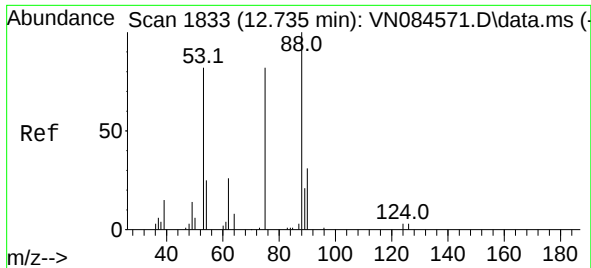
Tgt Ion:	43	Resp:	831
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	19.6	29.4#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 30.558 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion:	75	Resp:	79650
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.9	290.7#

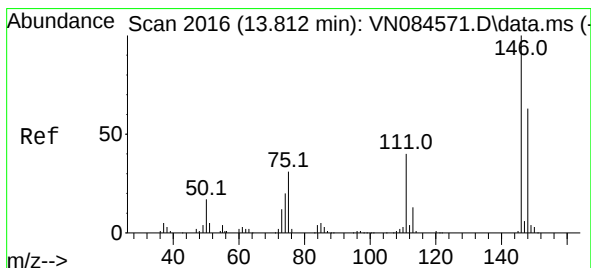
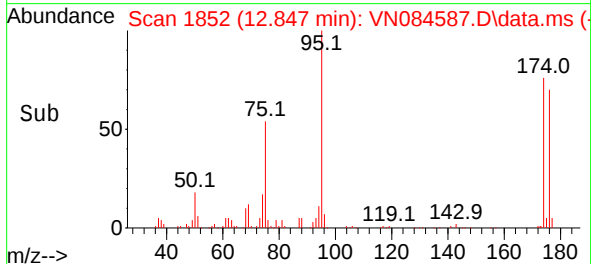
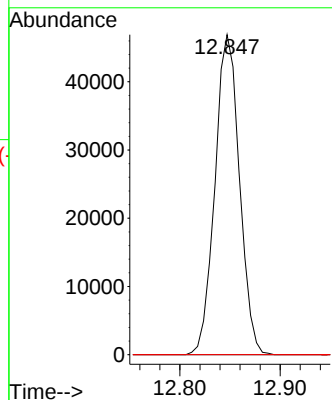
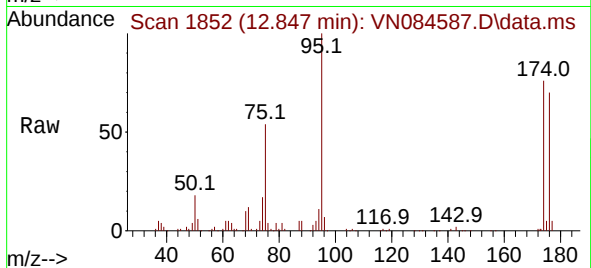




#81
trans-1,4-Dichloro-2-butene
Concen: 72.495 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084587.D
Acq: 30 Oct 2024 23:46

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tgt Ion: 75 Resp: 79650
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: VN084587.D
Acq: 30 Oct 2024 23:46

Tgt Ion:146 Resp: 621
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#

