

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084600.D
 Acq On : 31 Oct 2024 04:57
 Operator : JC\MD
 Sample : P4611-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Quant Time: Nov 01 05:21:00 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

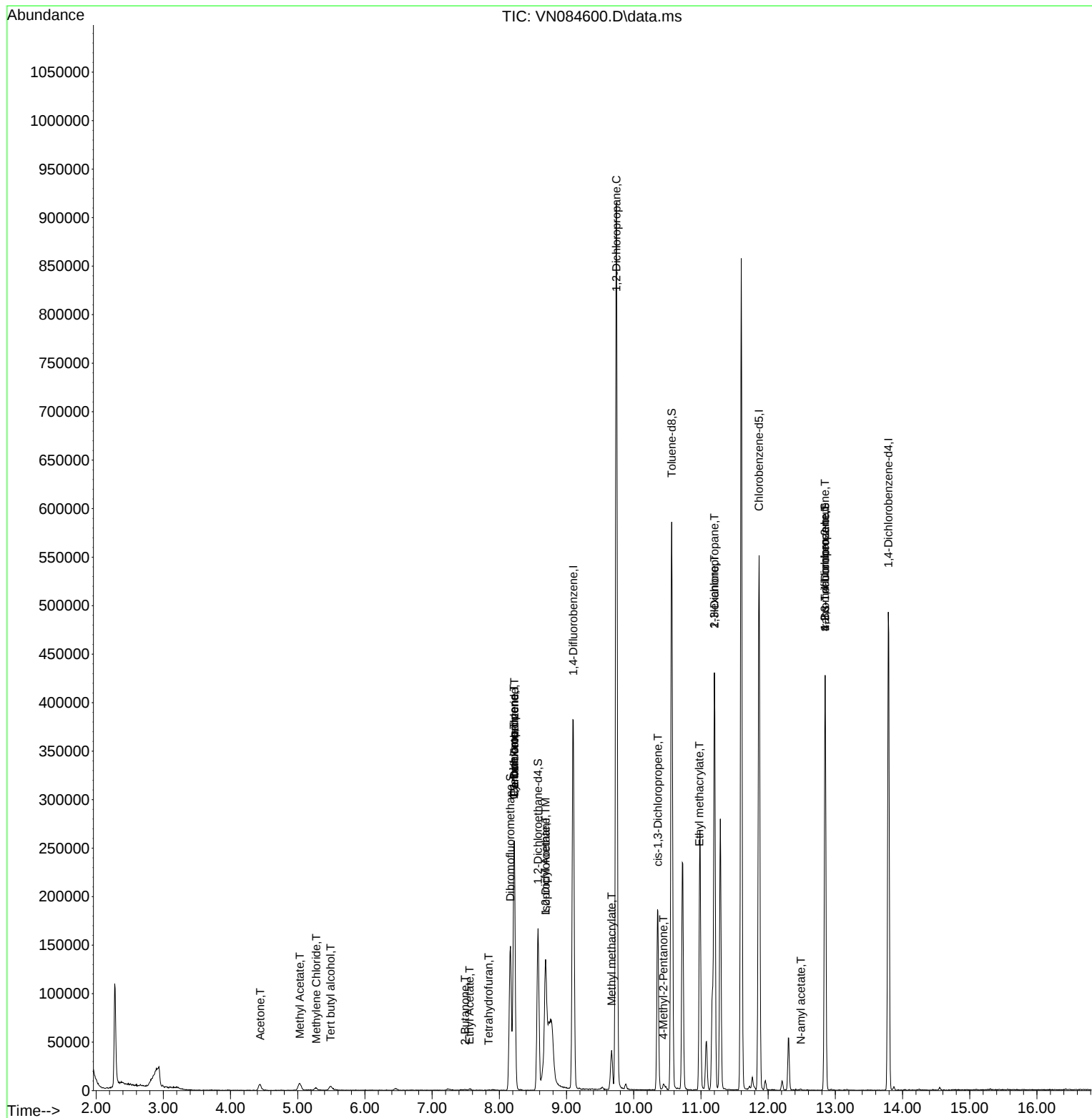
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

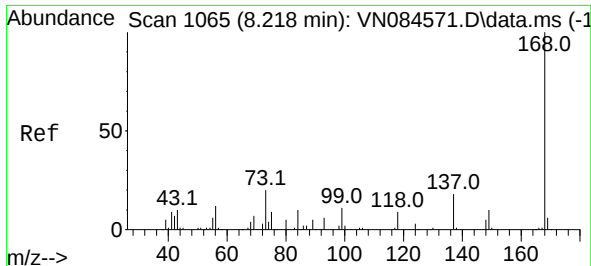
Internal Standards						
1) Pentafluorobenzene	8.224	168	179568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135069	52.078	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.160%		
35) Dibromofluoromethane	8.165	113	106788	46.890	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 93.780%		
50) Toluene-d8	10.565	98	401845	47.900	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.800%		
62) 4-Bromofluorobenzene	12.847	95	148277	47.292	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.580%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1171	Below Cal	#	41
6) Chloroethane	3.112	64	398	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	4236	12.374	ug/l #	73
16) Acetone	4.442	43	12609	14.139	ug/l #	85
18) Methyl Acetate	5.030	43	15898	1.975	ug/l	99
20) Methylene Chloride	5.277	84	1819	0.797	ug/l #	81
25) 2-Butanone	7.489	43	1512	1.250	ug/l #	48
29) Tetrahydrofuran	7.841	42	469	0.584	ug/l #	34
31) Cyclohexane	8.218	56	3995	1.116	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16025	5.074	ug/l #	49
37) Ethyl Acetate	7.559	43	2579	0.900	ug/l #	71
38) Carbon Tetrachloride	8.224	117	20330	5.759	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	823	0.251	ug/l #	75
43) Isopropyl Acetate	8.688	43	213179	40.076	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1286	0.540	ug/l #	44
48) Methyl methacrylate	9.671	41	3004	1.347	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	4241	1.552	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	34218	8.825	ug/l #	60
56) Ethyl methacrylate	10.977	69	1592	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4397	1.147	ug/l #	42
59) 2-Hexanone	11.200	43	52345	26.324	ug/l #	56
74) N-amyl acetate	12.488	43	996	0.253	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75817	28.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75817	68.249	ug/l #	11
88) 1,4-Dichlorobenzene	13.729	146	139	Below Cal	#	24

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

Instrument :
MSVOA_N
ClientSampleId :
TP-5

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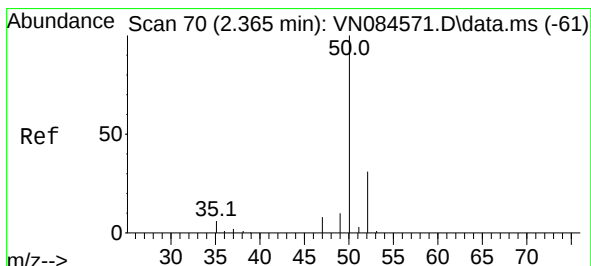
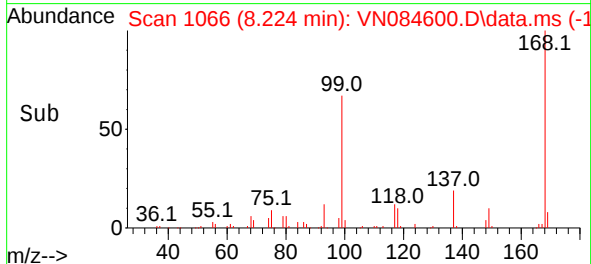
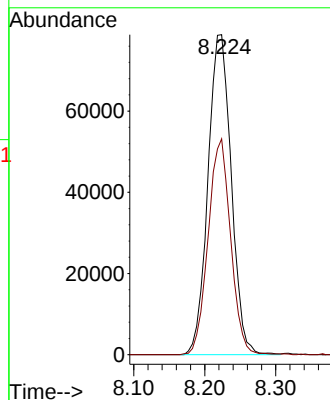
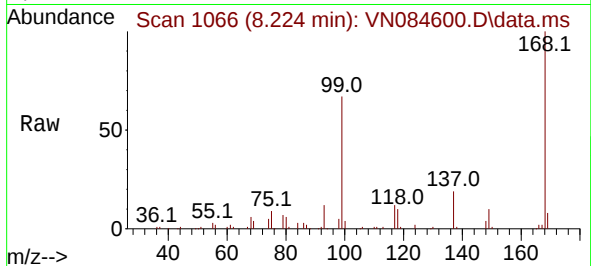




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

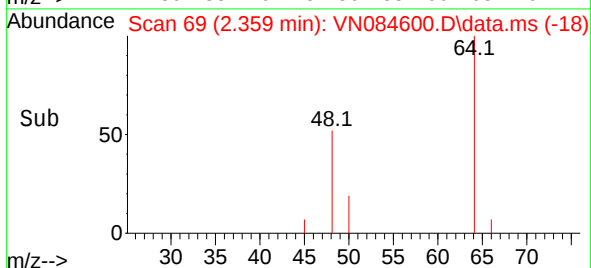
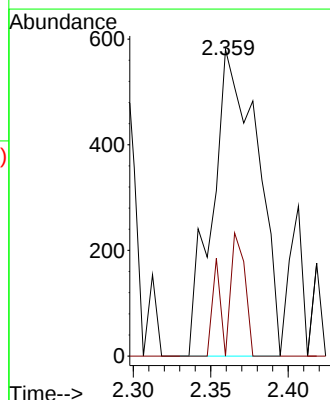
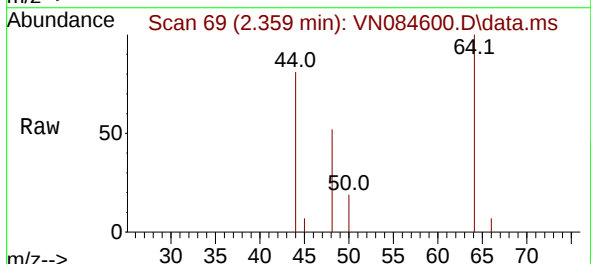
Instrument :
MSVOA_N
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TP-5

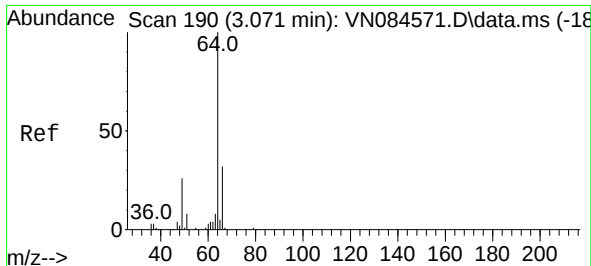
Tgt Ion:168 Resp: 179568
Ion Ratio Lower Upper
168 100
99 67.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

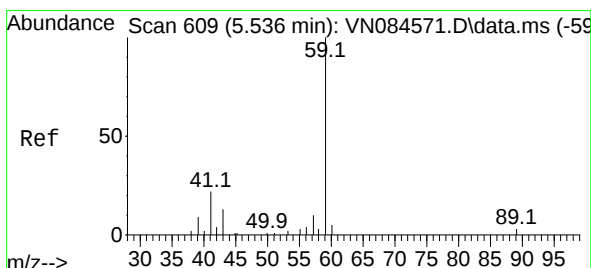
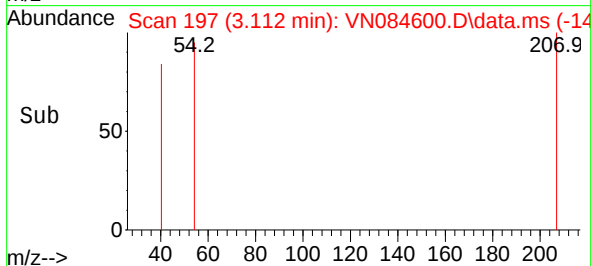
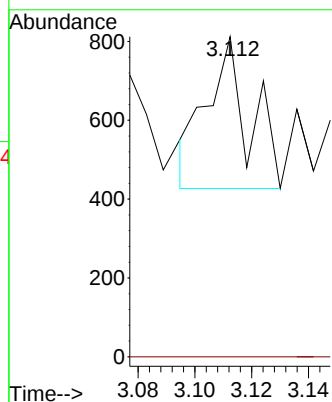
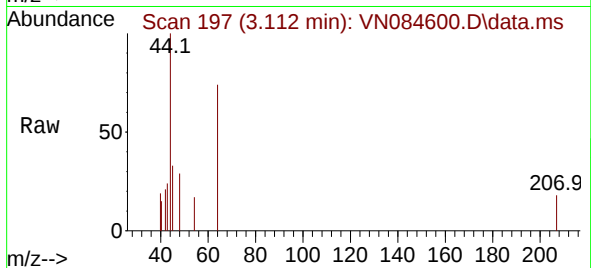




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

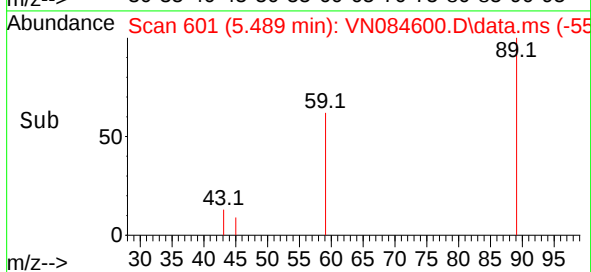
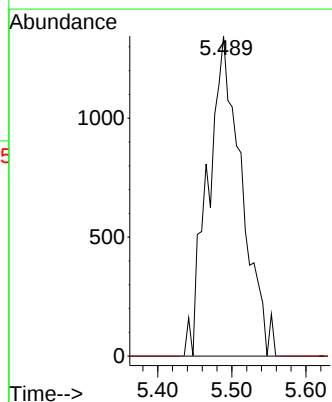
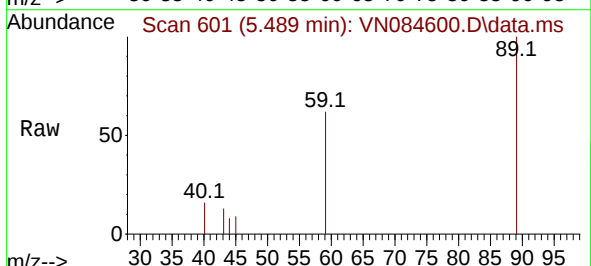
Instrument :
MSVOA_N
ClientSampleId :
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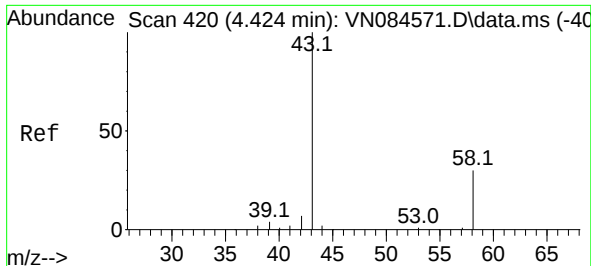
Tgt Ion: 64 Resp: 398
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 12.374 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 59 Resp: 4236
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

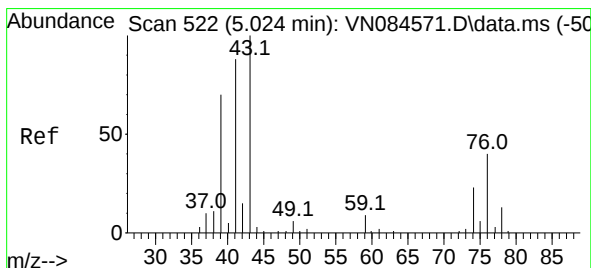
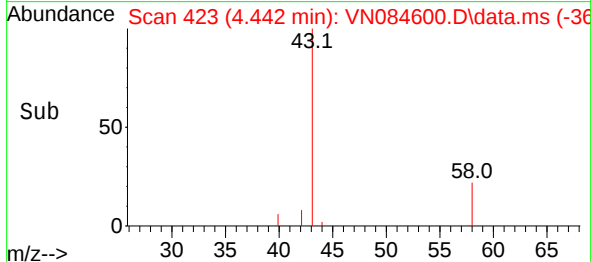
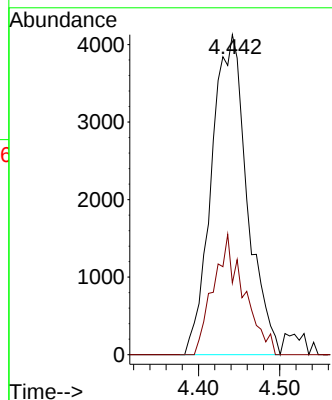
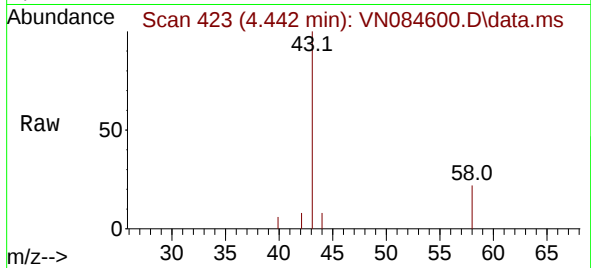




#16
Acetone
Concen: 14.139 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

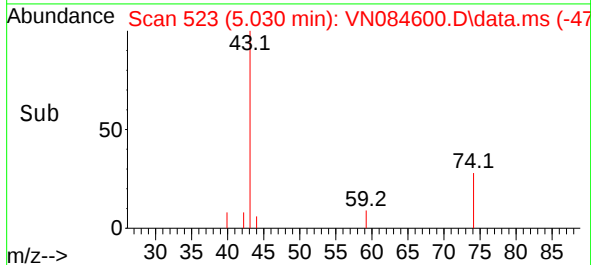
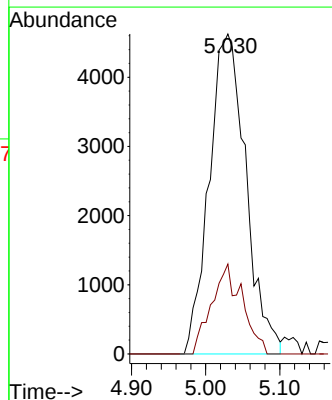
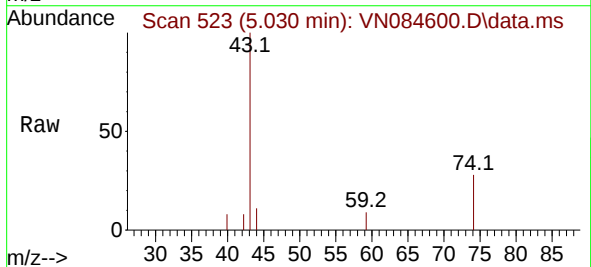
Instrument :
MSVOA_N
ClientSampleId :
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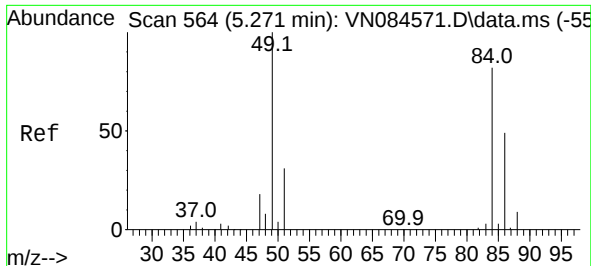
Tgt Ion: 43 Resp: 12609
Ion Ratio Lower Upper
43 100
58 22.4 24.4 36.6#



#18
Methyl Acetate
Concen: 1.975 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 15898
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8





#20

Methylene Chloride

Concen: 0.797 ug/l

RT: 5.277 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion: 84 Resp: 1819

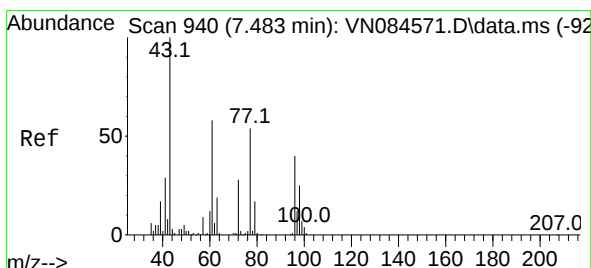
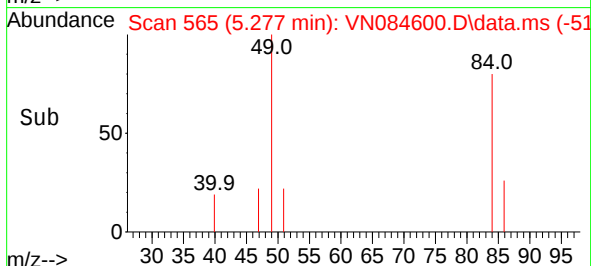
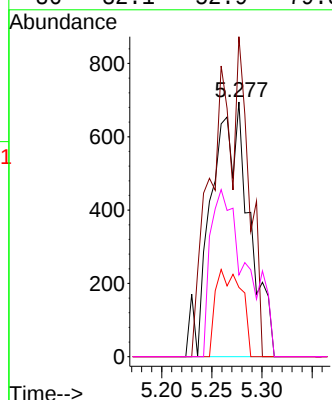
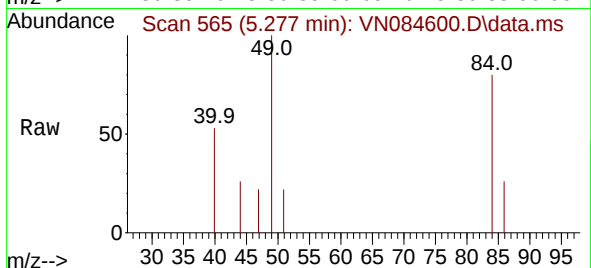
Ion Ratio Lower Upper

84 100

49 125.6 107.2 160.8

51 27.2 31.8 47.8#

86 32.1 52.9 79.3#



#25

2-Butanone

Concen: 1.250 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN084600.D

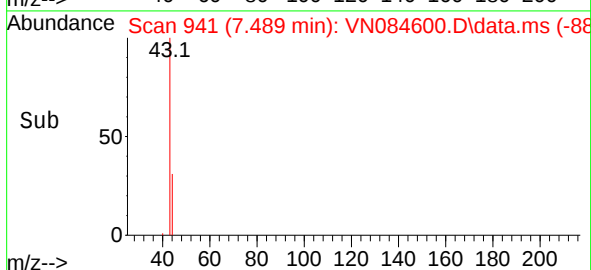
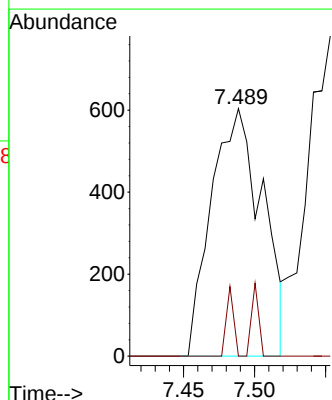
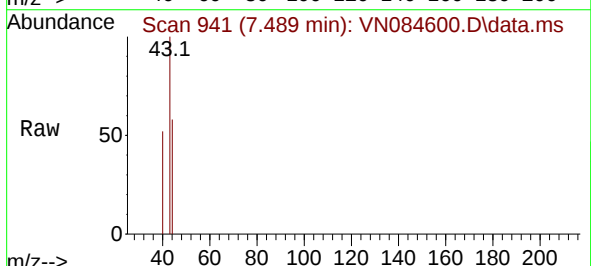
Acq: 31 Oct 2024 04:57

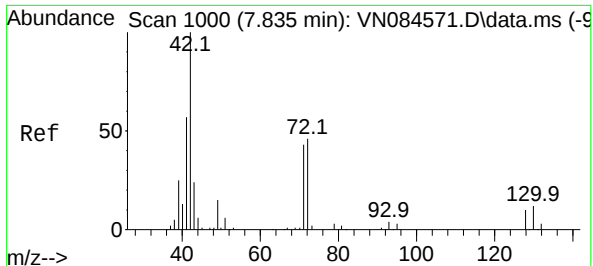
Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

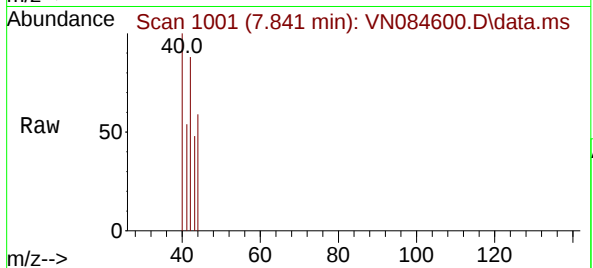
72 0.0 21.4 32.2#



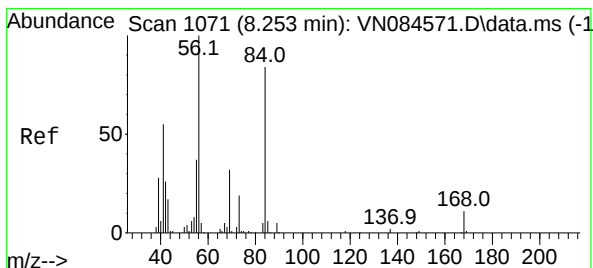
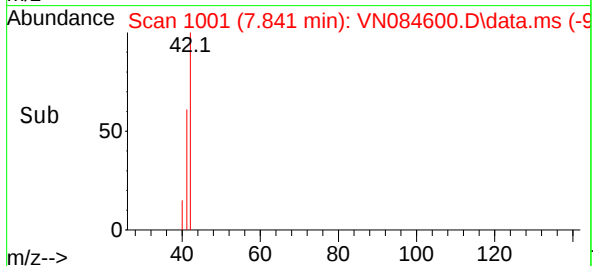
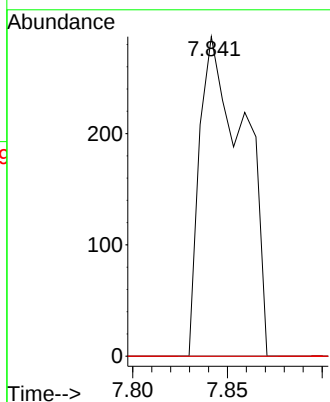


#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 7.841 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Instrument :
MSVOA_N
ClientSampleId :
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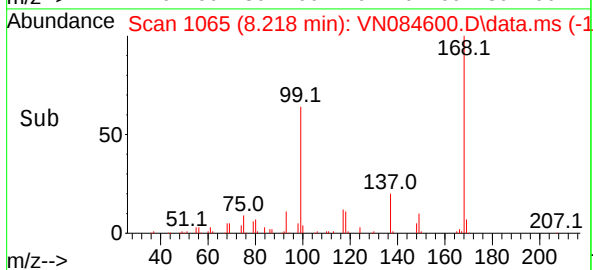
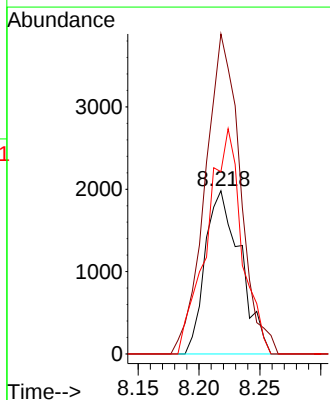
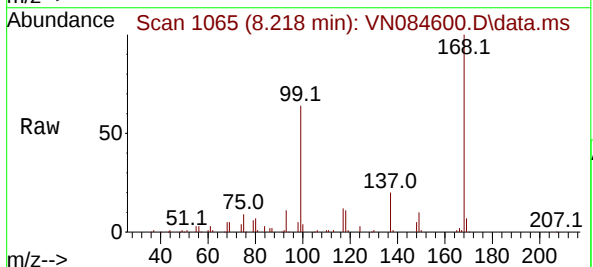


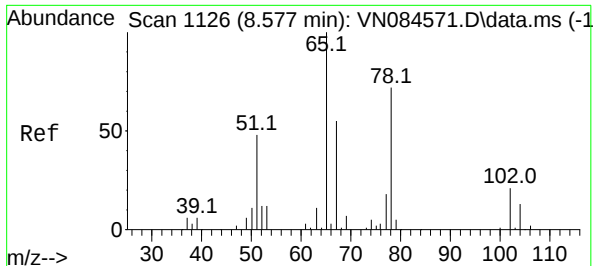
Tgt Ion:	42	Resp:	469
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion:	56	Resp:	3995
Ion Ratio	Lower	Upper	
56	100		
69	196.1	23.8	35.6#
84	111.6	68.8	103.2#

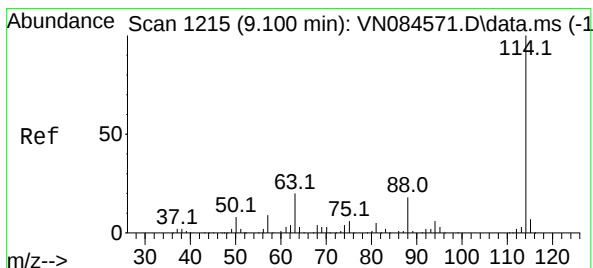
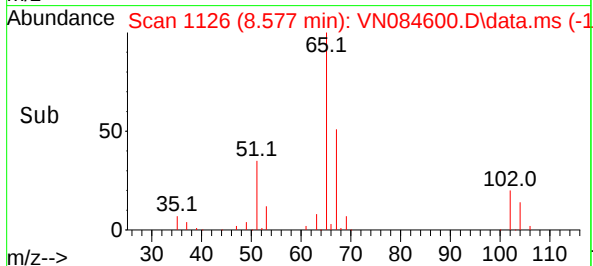
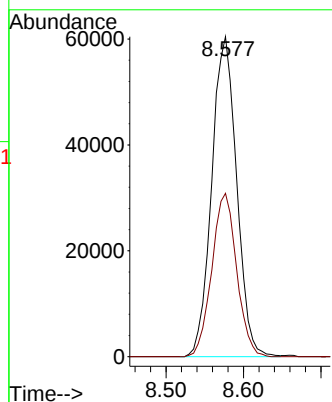
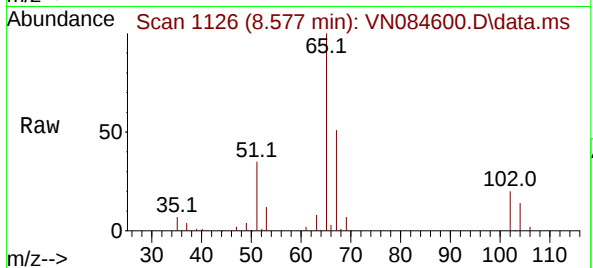




#33
1,2-Dichloroethane-d4
Concen: 52.078 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

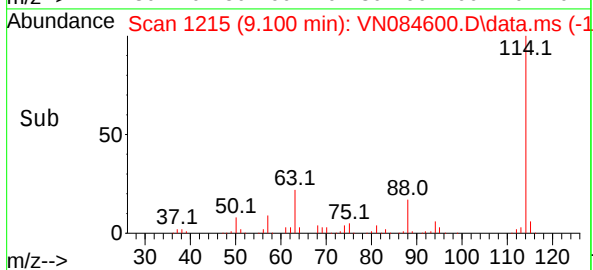
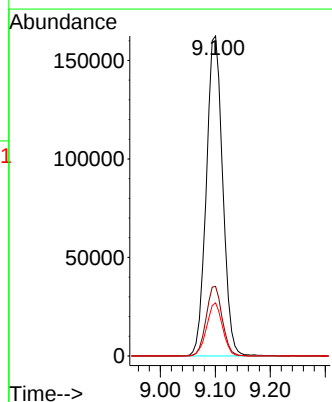
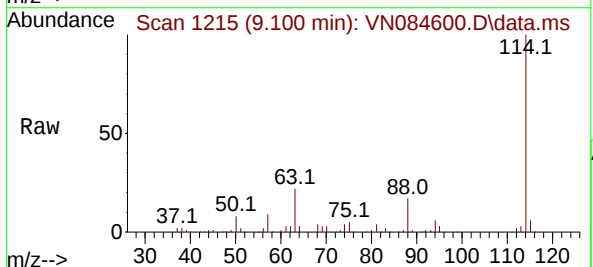
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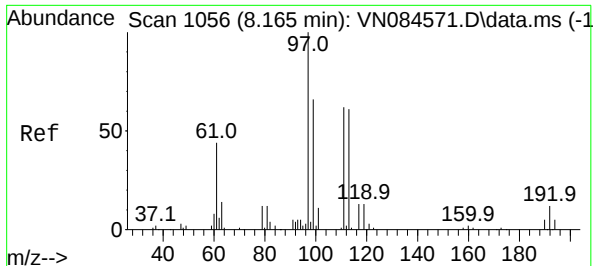
Tgt Ion: 65 Resp: 135069
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion:114 Resp: 336456
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.8
88 16.6 0.0 31.6

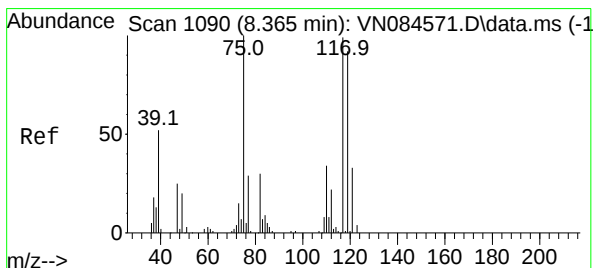
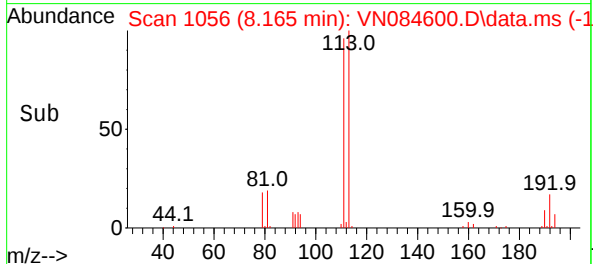
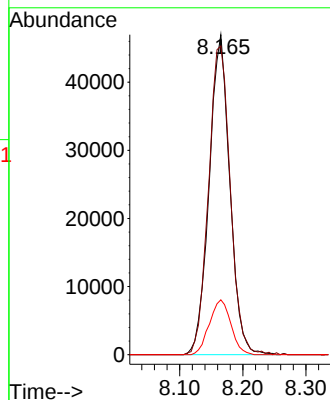
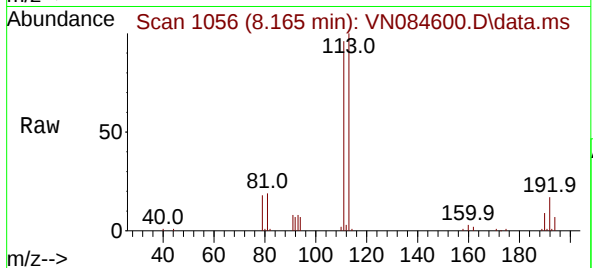




#35
Dibromofluoromethane
Concen: 46.890 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

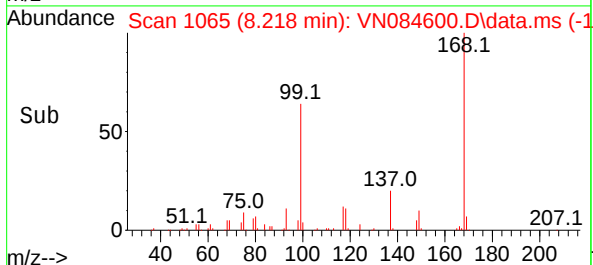
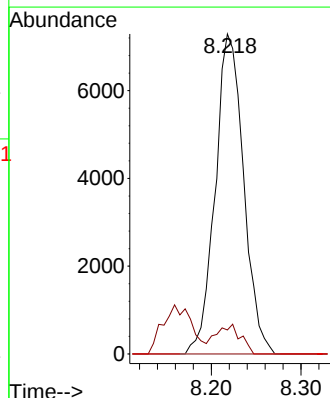
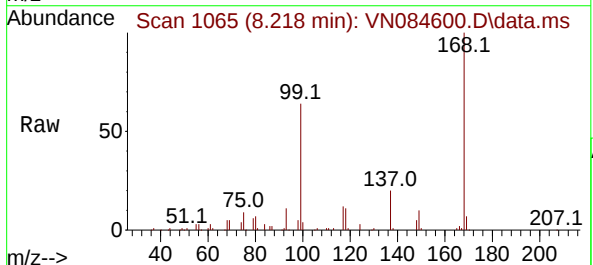
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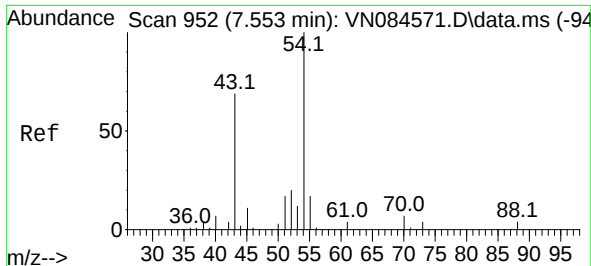
Tgt Ion:113 Resp: 106788
Ion Ratio Lower Upper
113 100
111 101.6 83.3 124.9
192 17.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.074 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 75 Resp: 16025
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.900 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

TP-5

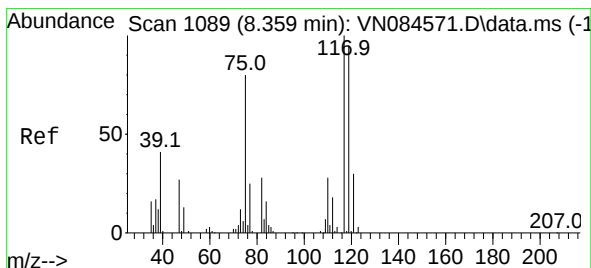
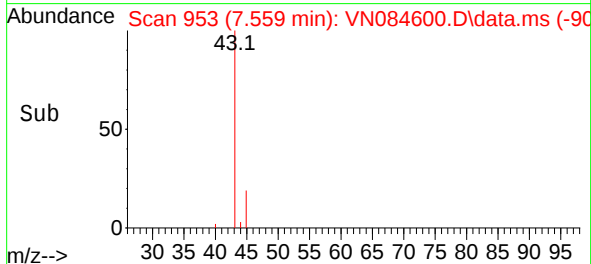
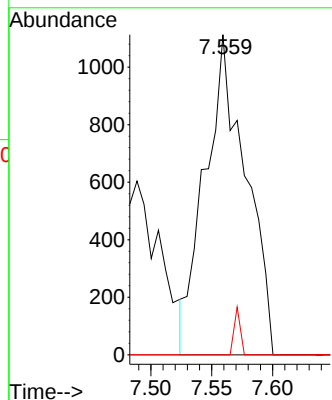
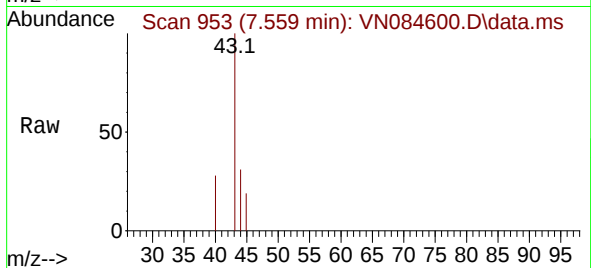
Tgt Ion: 43 Resp: 2579

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 2.3 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.759 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

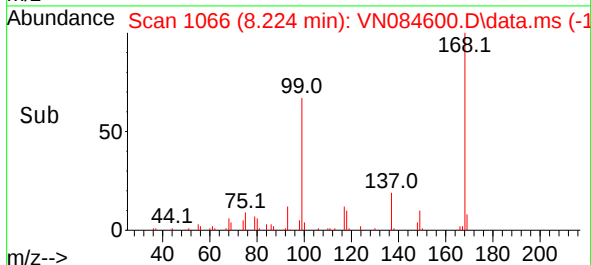
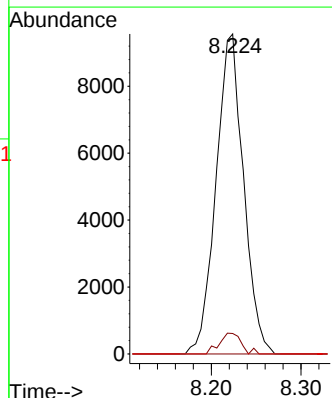
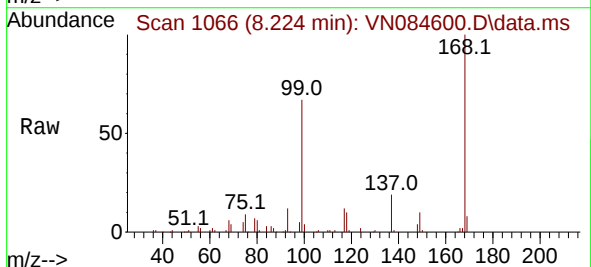
Tgt Ion: 117 Resp: 20330

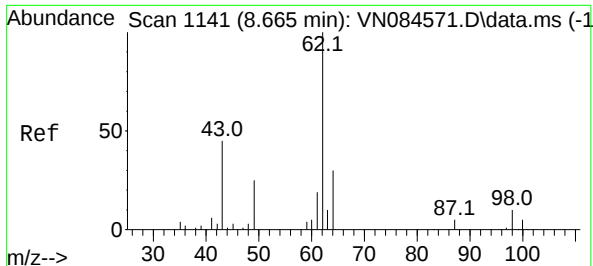
Ion Ratio Lower Upper

117 100

119 6.4 78.7 118.1#

121 0.0 24.4 36.6#

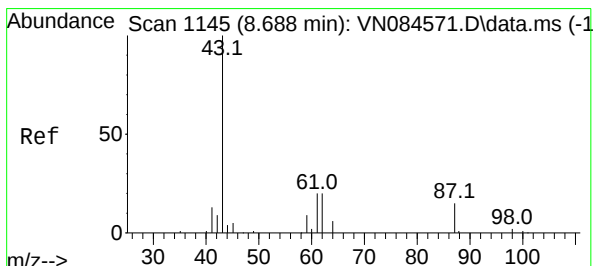
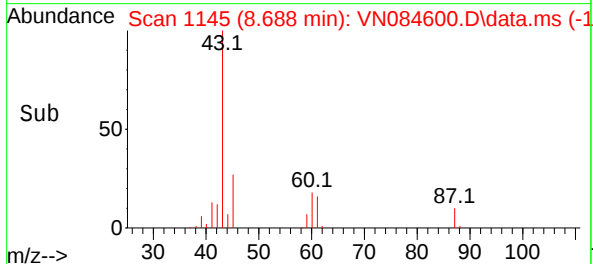
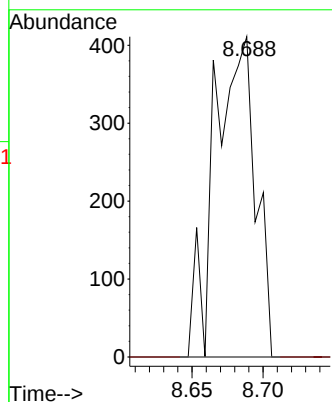
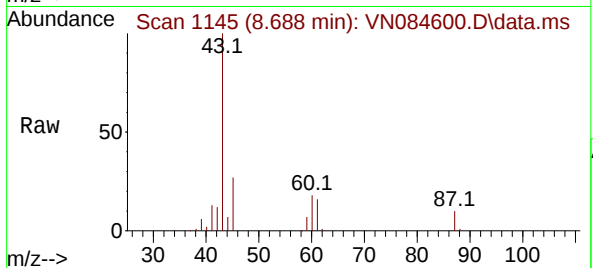




#42
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.017 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

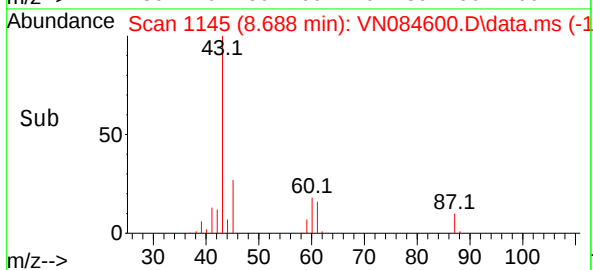
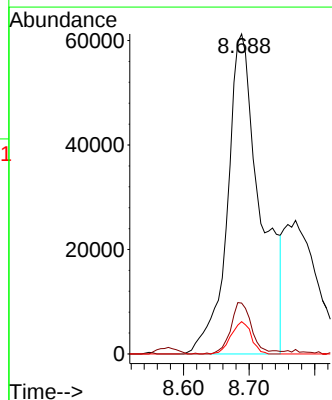
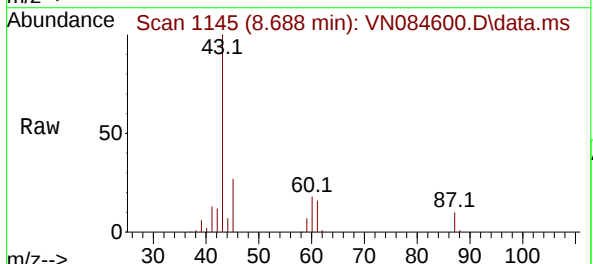
Instrument :
MSVOA_N
ClientSampleId :
TP-5

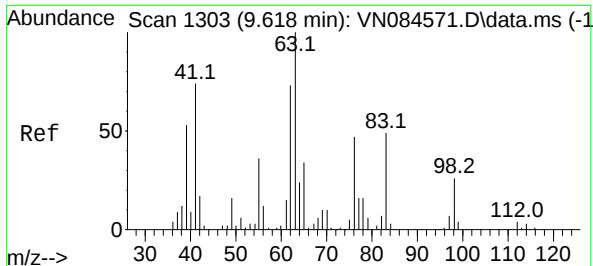
Tgt Ion: 62 Resp: 823
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 40.076 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 213179
Ion Ratio Lower Upper
43 100
61 10.4 20.4 30.6#
87 6.2 10.3 15.5#

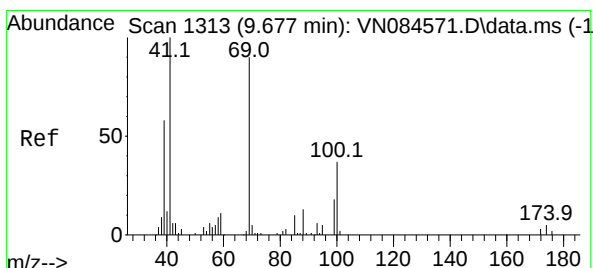
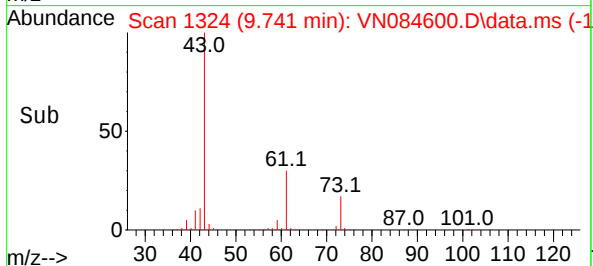
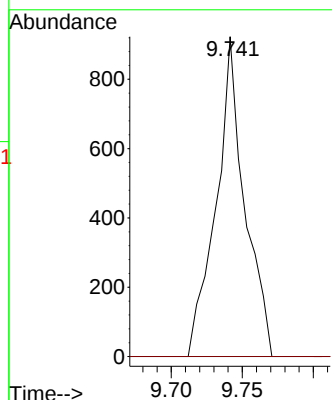
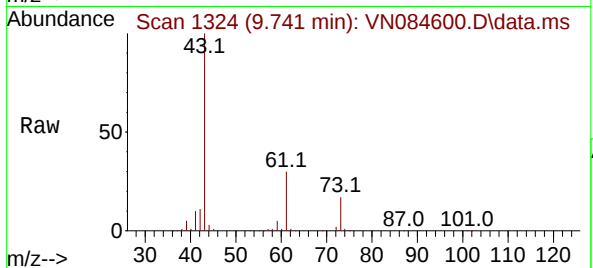




#45
1,2-Dichloropropane
Concen: 0.540 ug/l
RT: 9.741 min Scan# 1312
Delta R.T. 0.123 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

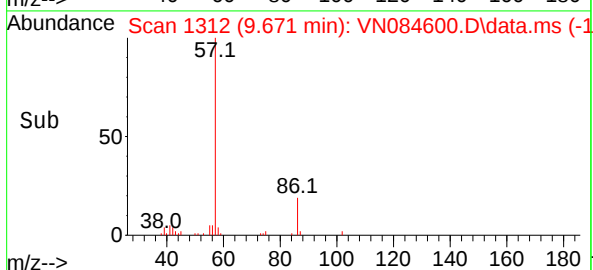
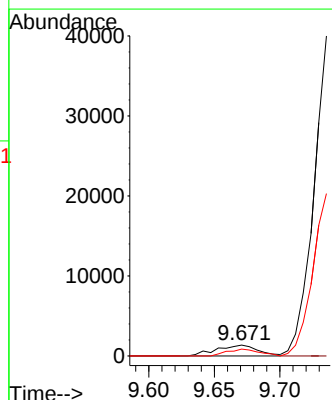
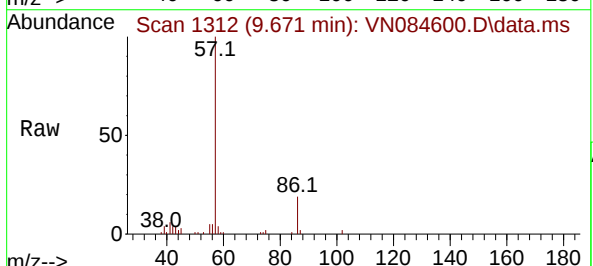
Instrument :
MSVOA_N
ClientSampleId :
TP-5

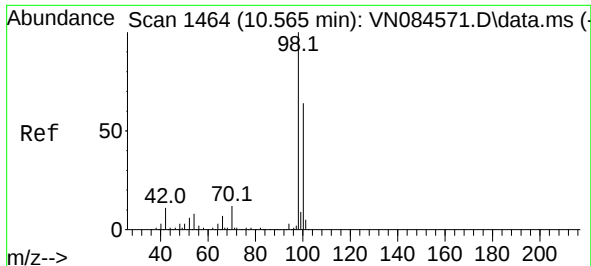
Tgt Ion: 63 Resp: 1286
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.347 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 41 Resp: 3004
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.1 45.8 68.6





#50

Toluene-d8

Concen: 47.900 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

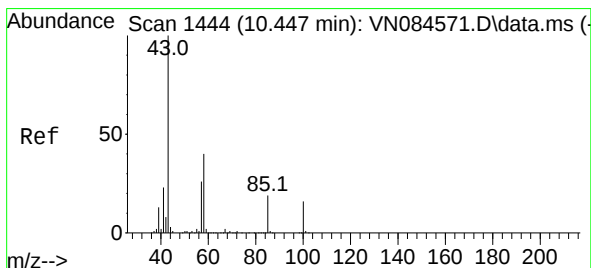
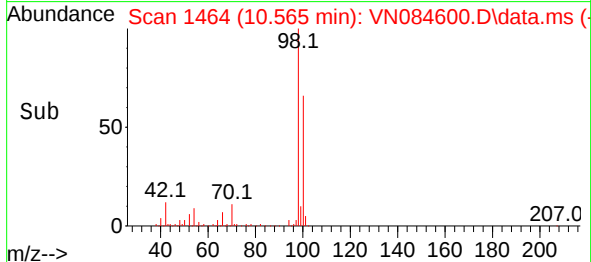
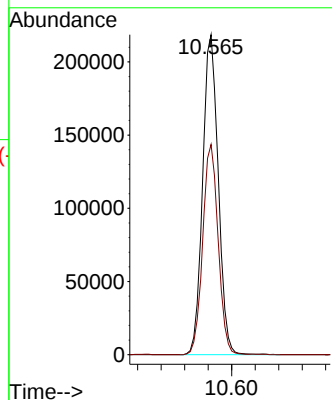
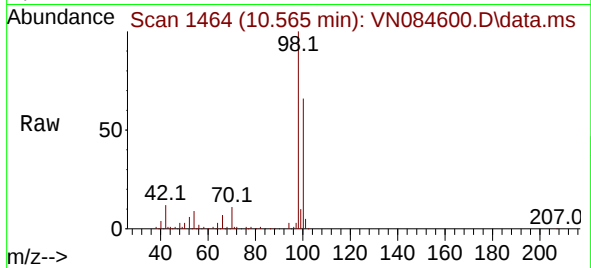
TP-5

Tgt Ion: 98 Resp: 401845

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.552 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN084600.D

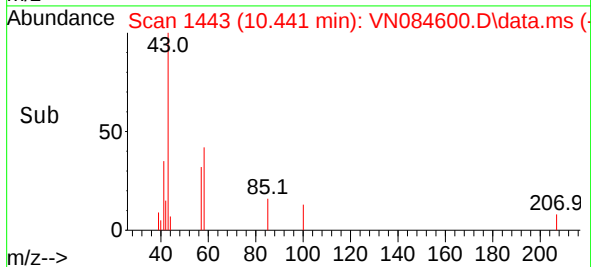
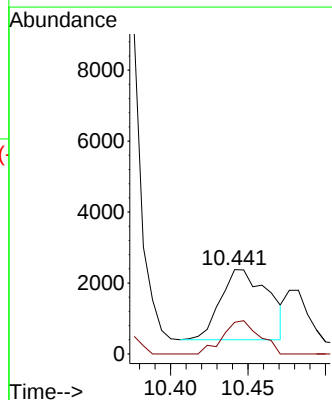
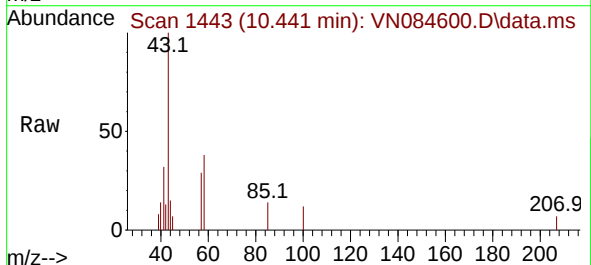
Acq: 31 Oct 2024 04:57

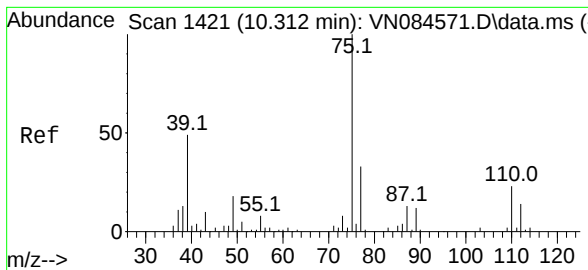
Tgt Ion: 43 Resp: 4241

Ion Ratio Lower Upper

43 100

58 36.4 31.6 47.4

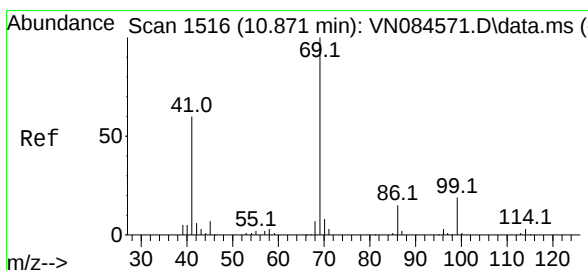
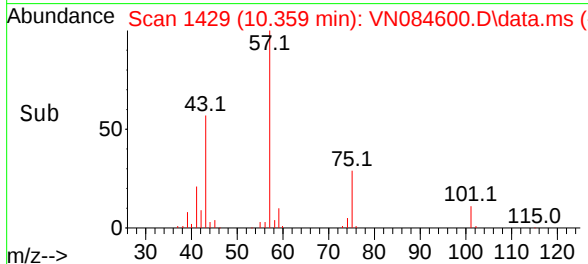
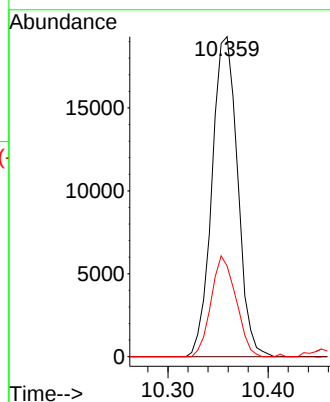
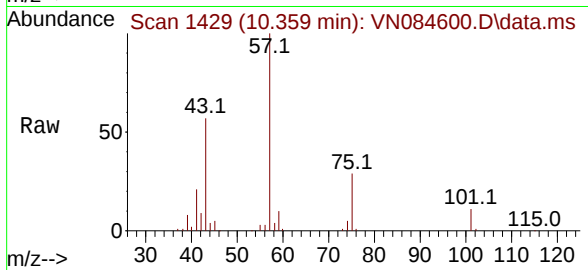




#54
cis-1,3-Dichloropropene
Concen: 8.825 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

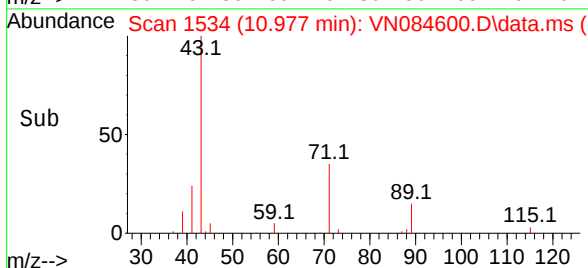
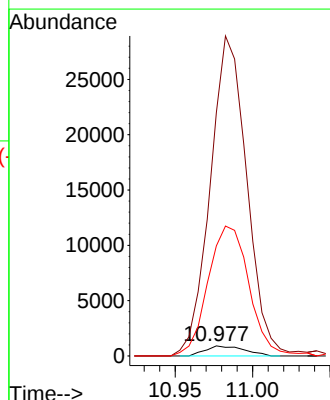
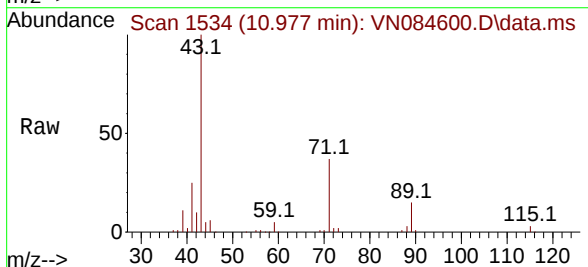
Instrument :
MSVOA_N
ClientSampleId :
TP-5

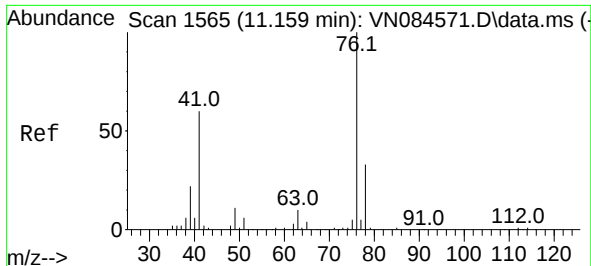
Tgt Ion: 75 Resp: 34218
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.3 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.493 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 69 Resp: 1592
Ion Ratio Lower Upper
69 100
41 2992.9 53.3 79.9#
39 1361.2 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.147 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

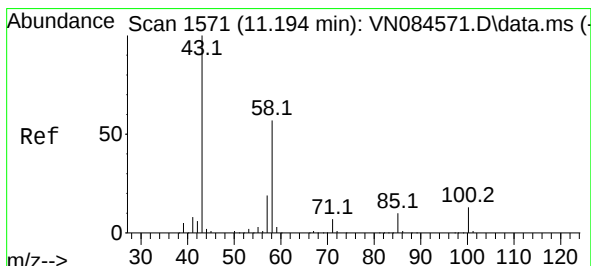
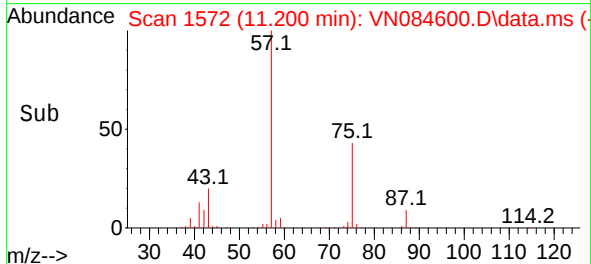
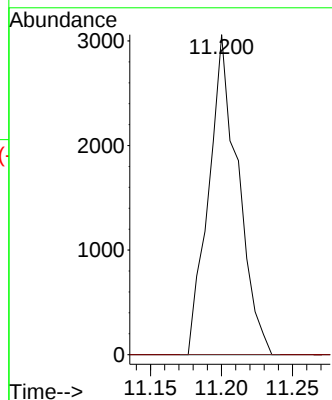
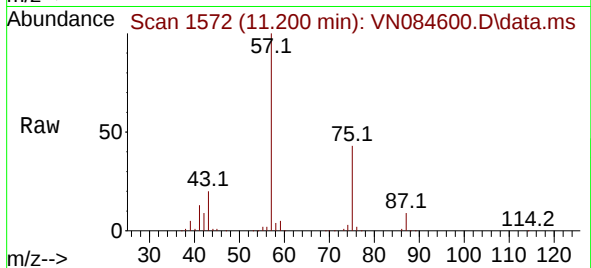
TP-5

Tgt Ion: 76 Resp: 4397

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 26.324 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084600.D

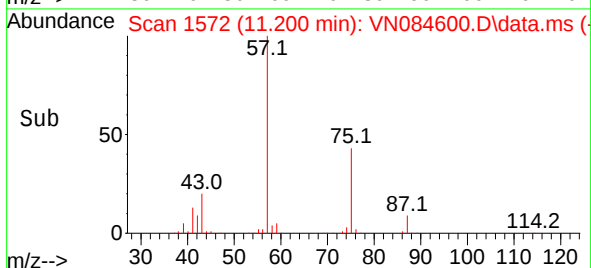
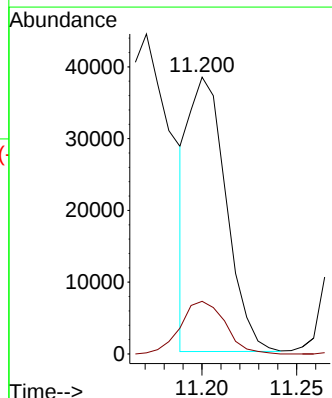
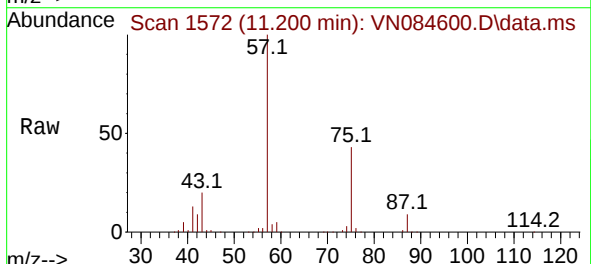
Acq: 31 Oct 2024 04:57

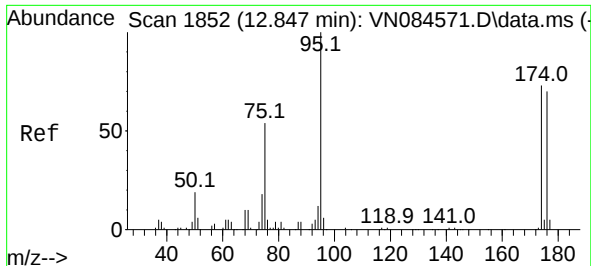
Tgt Ion: 43 Resp: 52345

Ion Ratio Lower Upper

43 100

58 23.1 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 47.292 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

TP-5

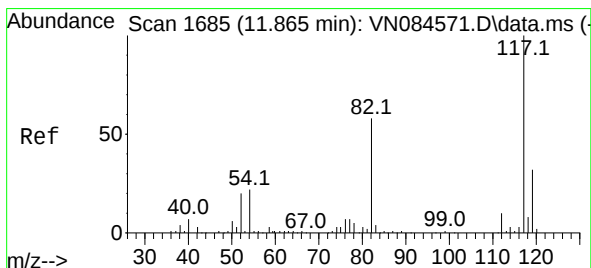
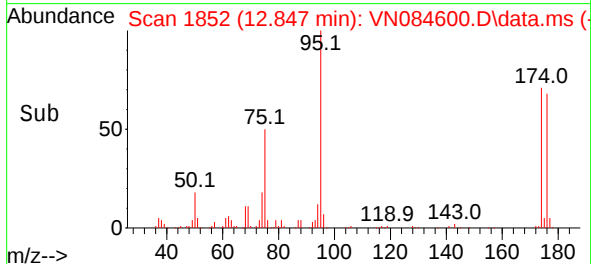
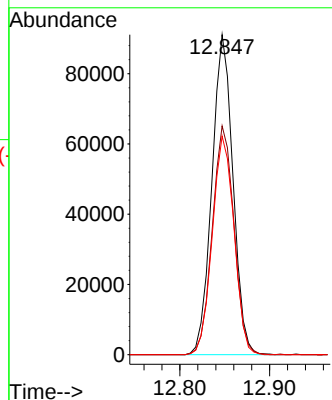
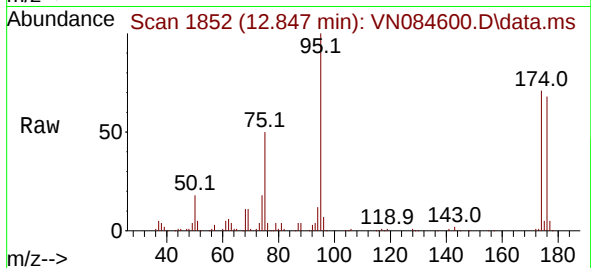
Tgt Ion: 95 Resp: 148277

Ion Ratio Lower Upper

95 100

174 73.7 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: VN084600.D

Acq: 31 Oct 2024 04:57

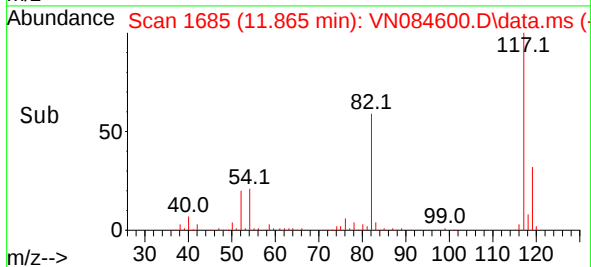
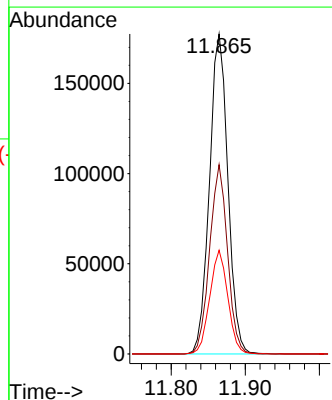
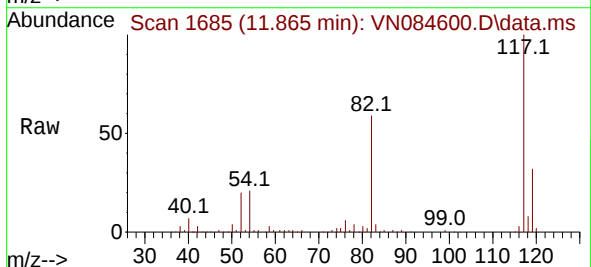
Tgt Ion: 117 Resp: 306288

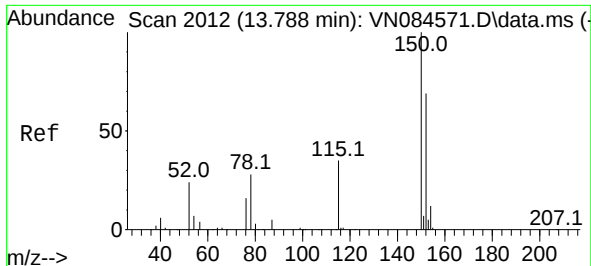
Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

TP-5

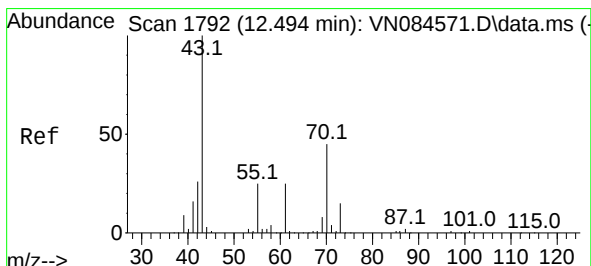
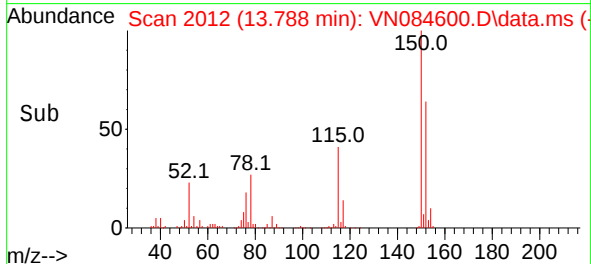
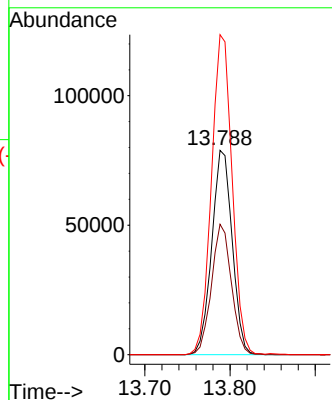
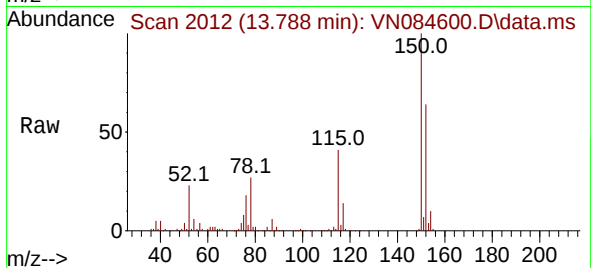
Tgt Ion:152 Resp: 131843

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 158.2 0.0 349.8



#74

N-ethyl acetate

Concen: 0.253 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 996

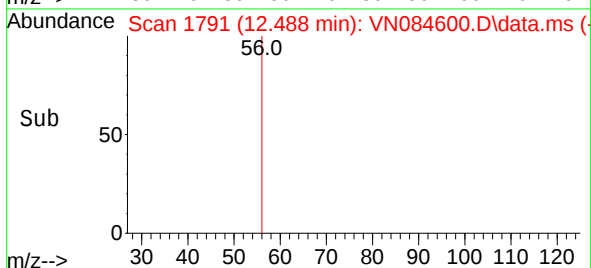
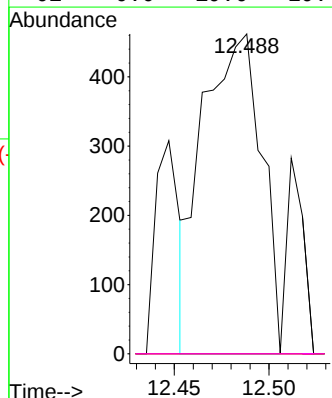
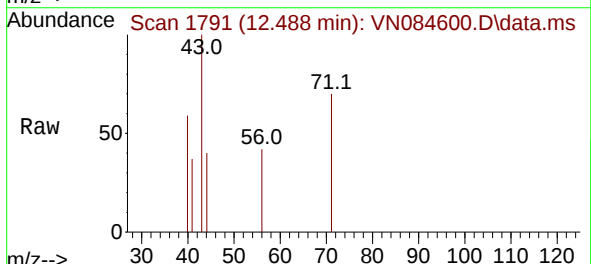
Ion Ratio Lower Upper

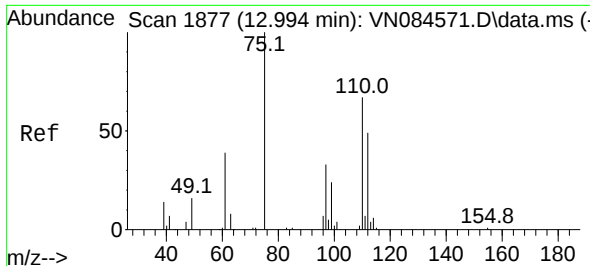
43 100

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: 28.768 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

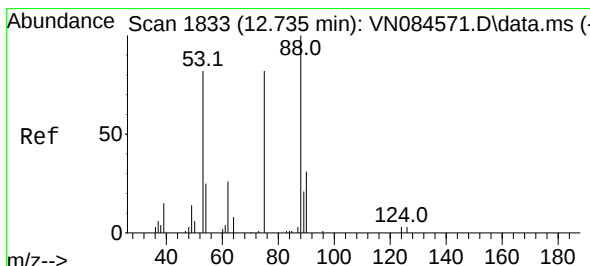
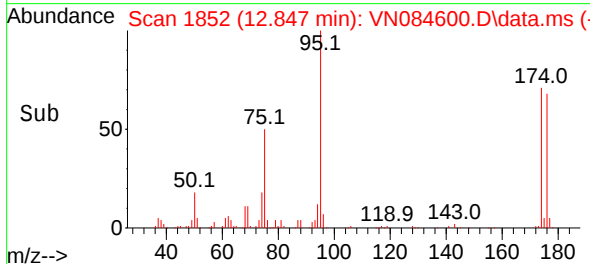
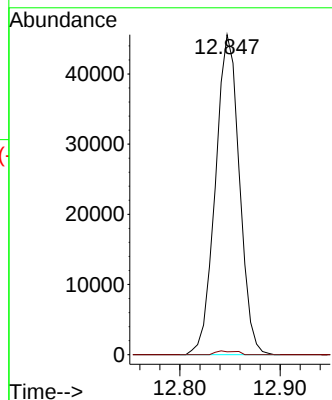
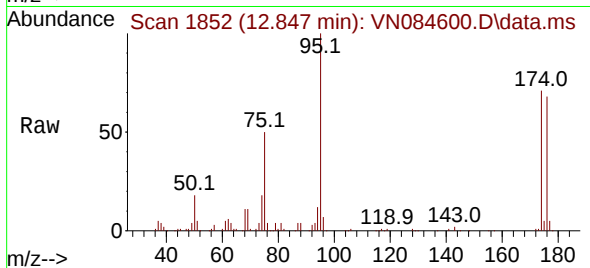
TP-5

Tgt Ion: 75 Resp: 75817

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.249 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

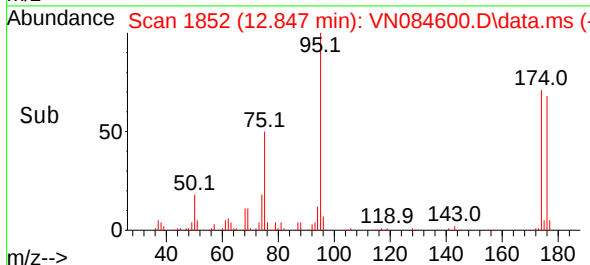
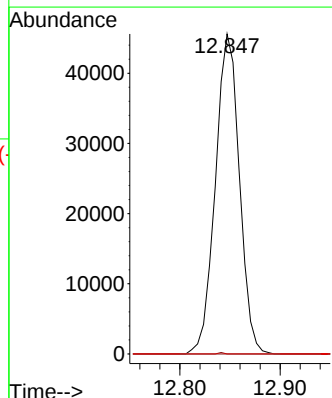
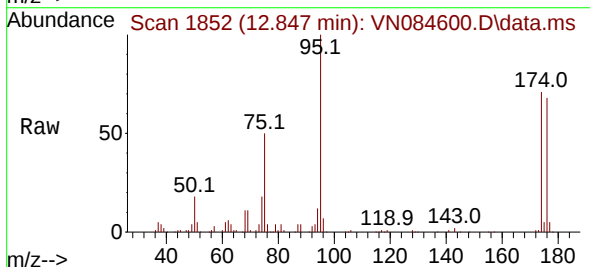
Tgt Ion: 75 Resp: 75817

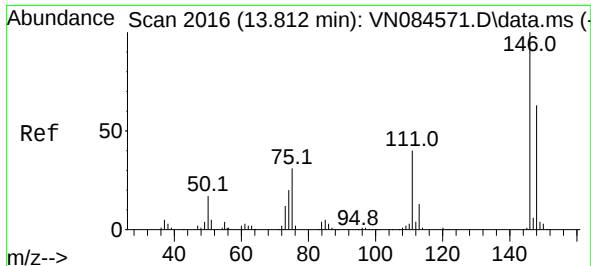
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

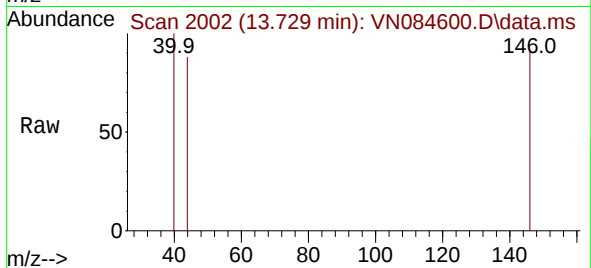
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.729 min Scan# 20
 Delta R.T. -0.083 min
 Lab File: VN084600.D
 Acq: 31 Oct 2024 04:57

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5



Tgt Ion:146 Resp: 139
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.2 63.6#
 148 0.0 31.9 95.9#

