

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084594.D
 Acq On : 31 Oct 2024 02:33
 Operator : JC\MD
 Sample : P4598-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

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

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	180770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	329519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	132154	50.616	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	101.240%	
35) Dibromofluoromethane	8.165	113	106373	47.691	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	95.380%	
50) Toluene-d8	10.565	98	394779	48.049	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.100%	
62) 4-Bromofluorobenzene	12.847	95	146758	47.793	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	95.580%	

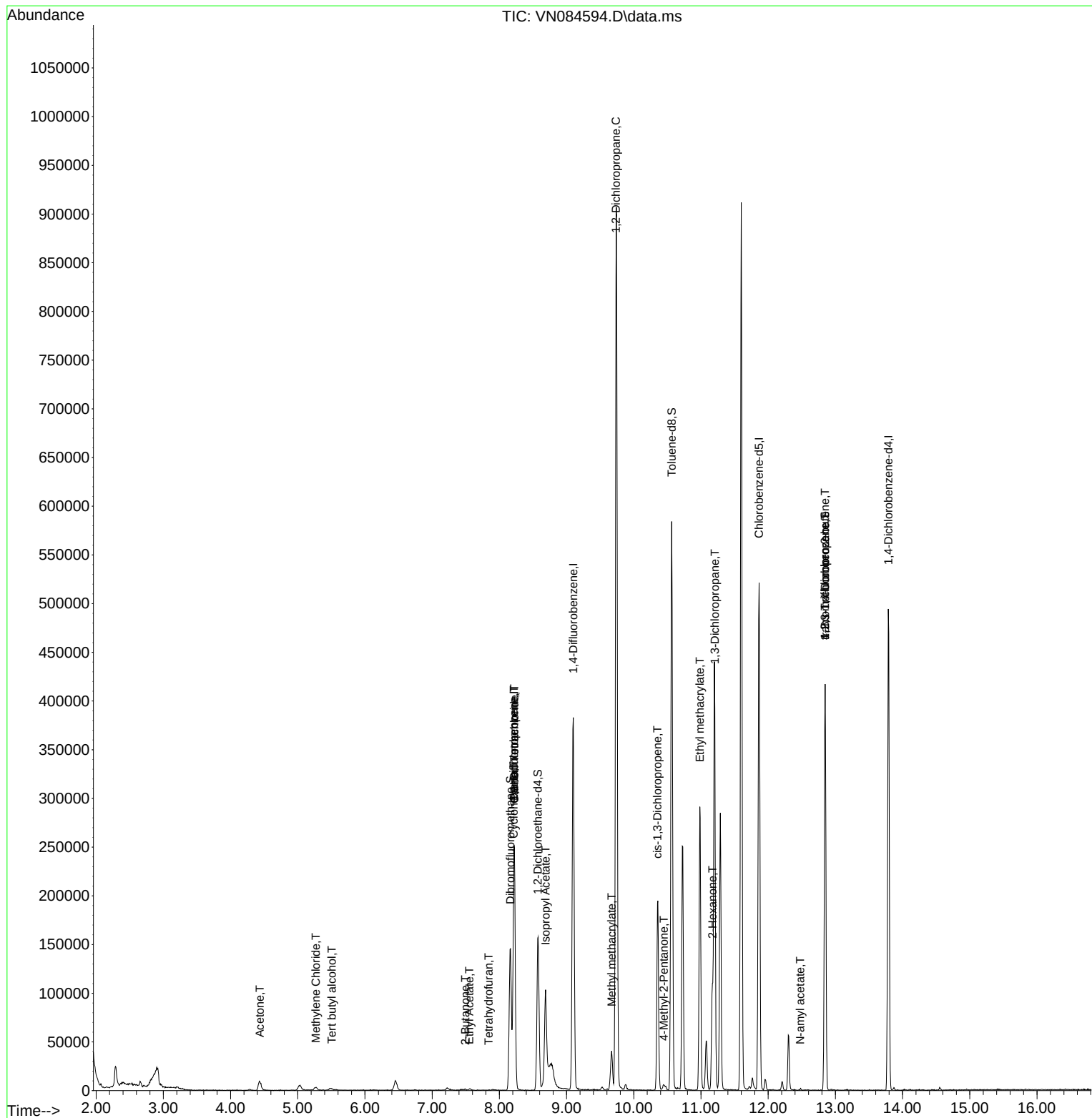
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	1322	Below Cal	#	41
6) Chloroethane	3.095	64	482	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	735	2.133	ug/l #	73
16) Acetone	4.436	43	18962	22.547	ug/l	99
20) Methylene Chloride	5.271	84	2332	1.016	ug/l #	76
25) 2-Butanone	7.494	43	1907	1.566	ug/l #	86
29) Tetrahydrofuran	7.841	42	243	0.301	ug/l #	34
31) Cyclohexane	8.212	56	4219	1.170	ug/l #	38
36) 1,1-Dichloropropene	8.218	75	15018	4.855	ug/l #	51
37) Ethyl Acetate	7.553	43	964	0.343	ug/l #	75
38) Carbon Tetrachloride	8.224	117	18950	5.481	ug/l #	16
43) Isopropyl Acetate	8.688	43	126796	23.952	ug/l #	85
45) 1,2-Dichloropropane	9.735	63	1139	0.489	ug/l #	44
48) Methyl methacrylate	9.671	41	2870	1.314	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8111	3.032	ug/l #	62
54) cis-1,3-Dichloropropene	10.353	75	34922	9.196	ug/l #	62
56) Ethyl methacrylate	10.982	69	1540	0.486	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4473	1.191	ug/l #	42
59) 2-Hexanone	11.170	43	87945	45.159	ug/l #	24
74) N-amyl acetate	12.476	43	1001	0.256	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	76459	29.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76459	69.339	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	185	Below Cal	#	1

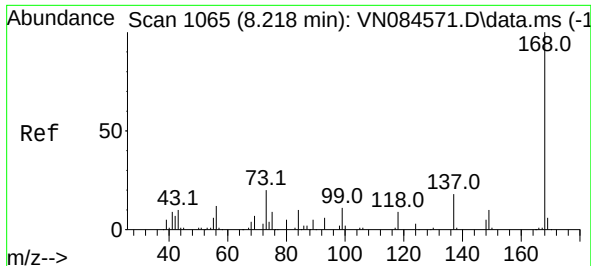
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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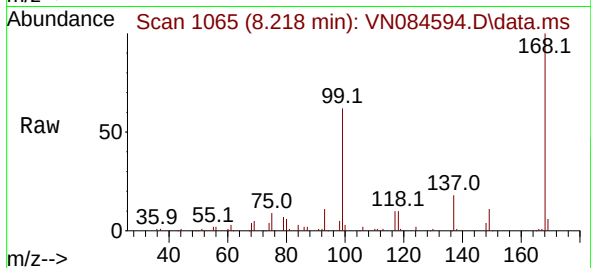
Quant Time: Nov 01 05:18:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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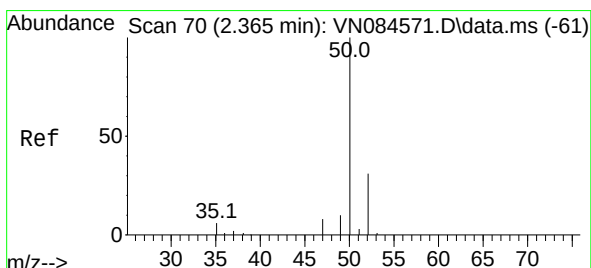
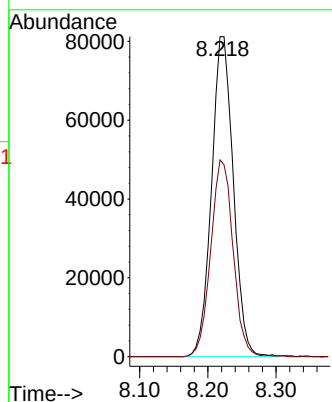
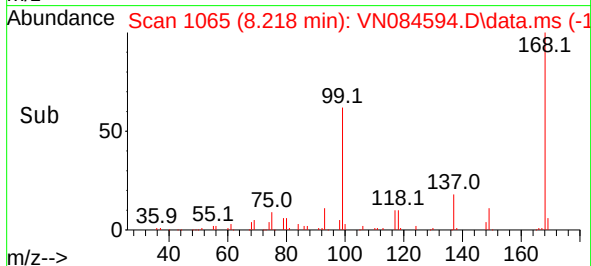


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Instrument :
MSVOA_N
ClientSampleId :

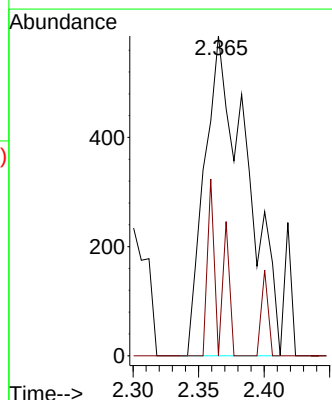
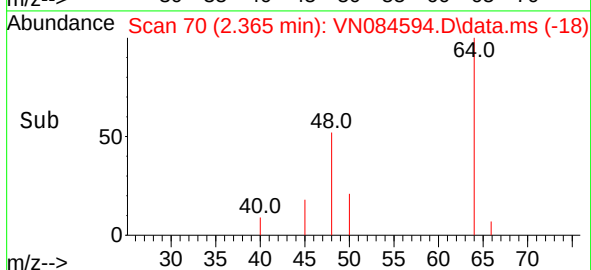
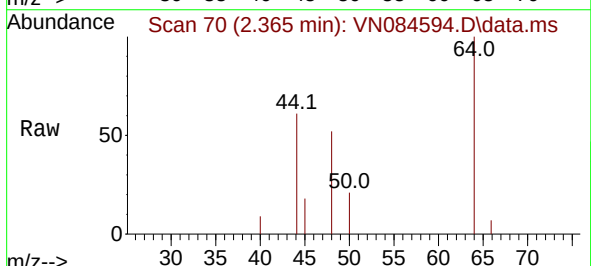


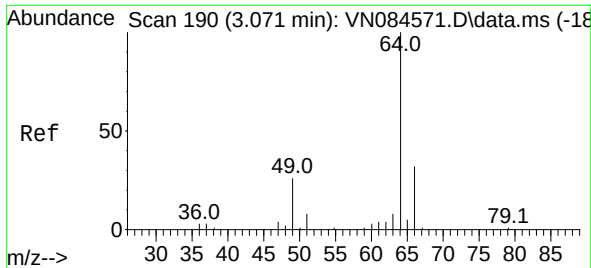
Tgt Ion:168 Resp: 180770
Ion Ratio Lower Upper
168 100
99 61.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

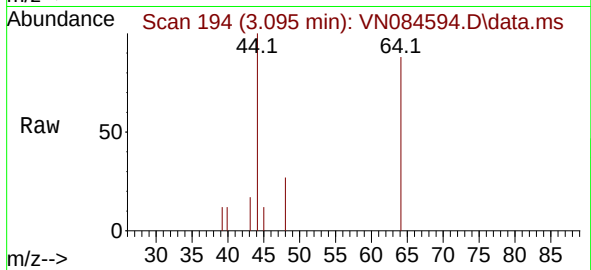
Tgt Ion: 50 Resp: 1322
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



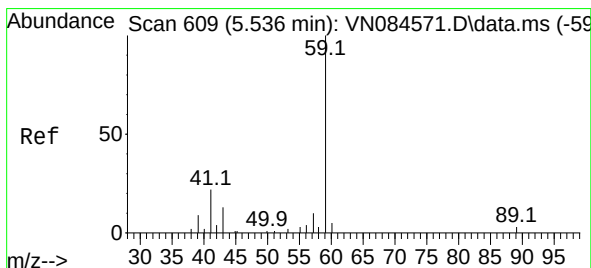
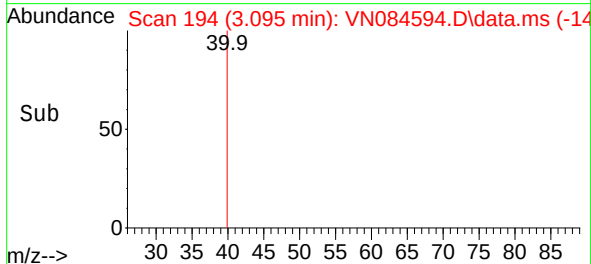
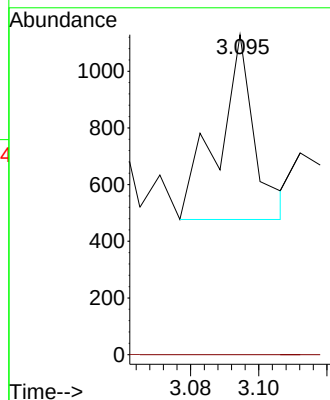


#6
Chloroethane
Concen: Below Cal
RT: 3.095 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Instrument :
MSVOA_N
ClientSampleId :

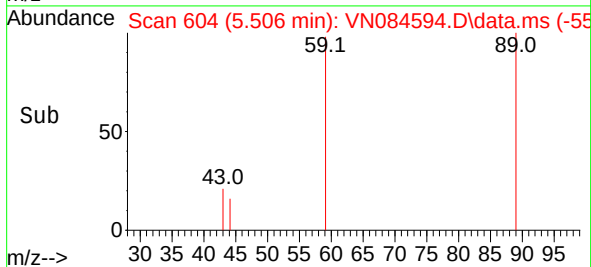
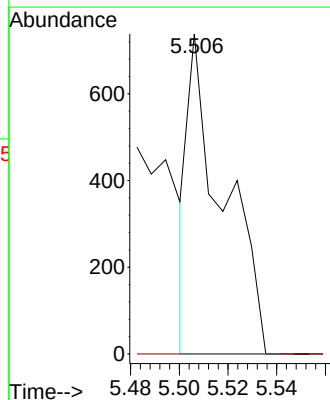
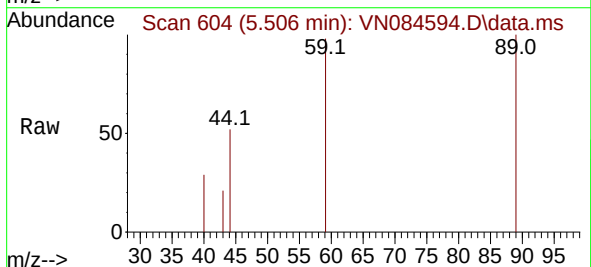


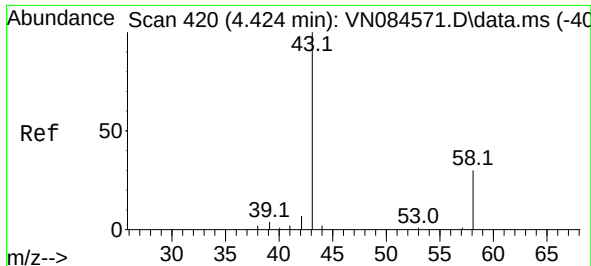
Tgt Ion: 64 Resp: 482
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.133 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

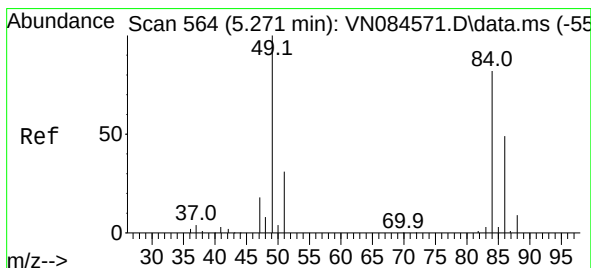
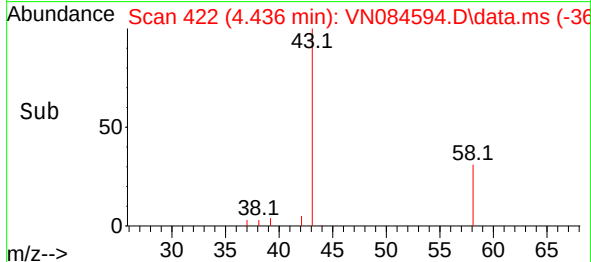
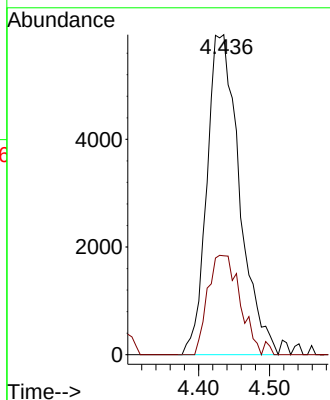
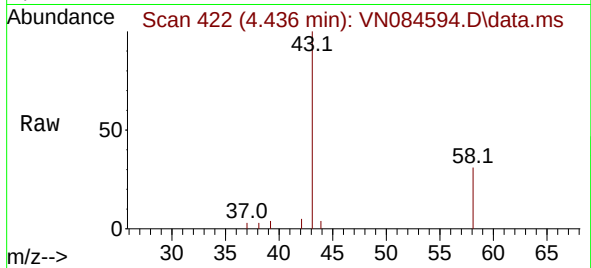




#16
Acetone
Concen: 22.547 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

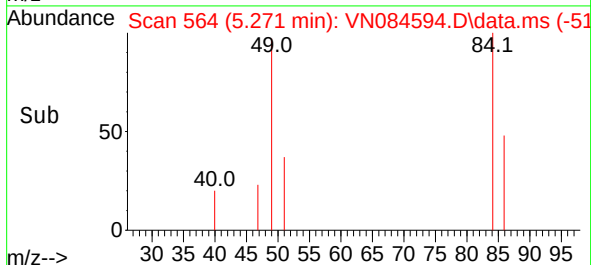
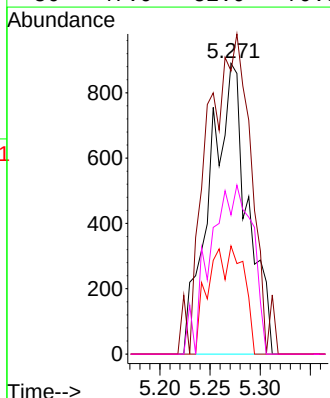
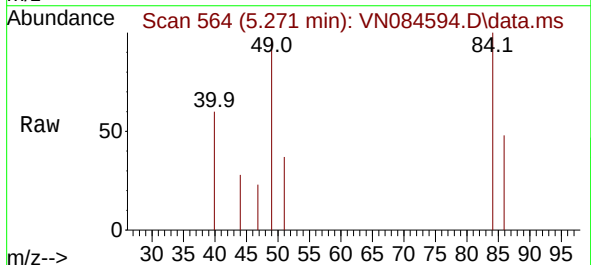
Instrument :
MSVOA_N
ClientSampleId :

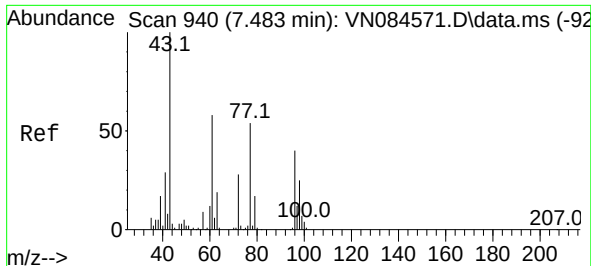
Tgt Ion: 43 Resp: 18962
Ion Ratio Lower Upper
43 100
58 30.9 24.4 36.6



#20
Methylene Chloride
Concen: 1.016 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 84 Resp: 2332
Ion Ratio Lower Upper
84 100
49 97.4 107.2 160.8#
51 37.2 31.8 47.8
86 47.9 52.9 79.3#





#25

2-Butanone

Concen: 1.566 ug/l

RT: 7.494 min Scan# 94

Delta R.T. 0.012 min

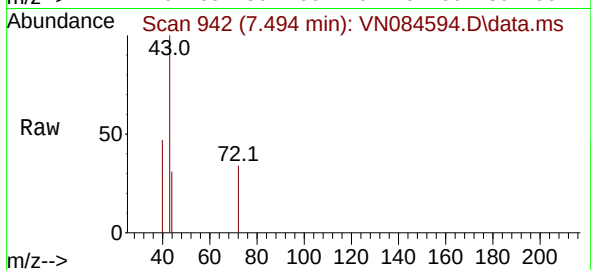
Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

ClientSampleId :

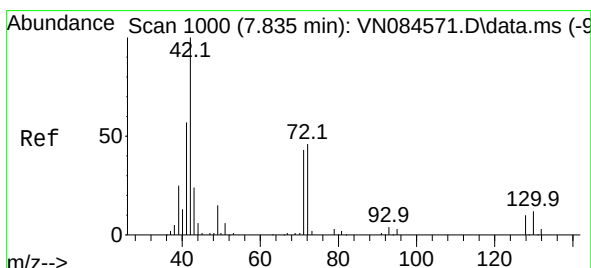
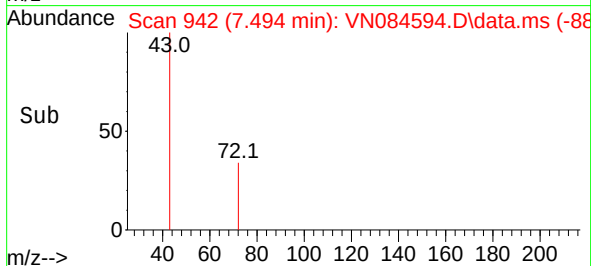
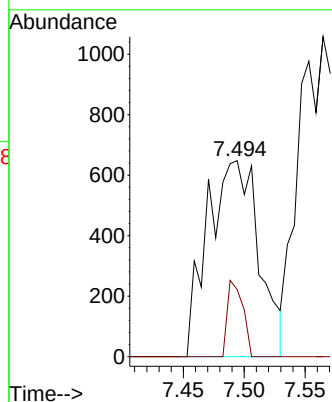


Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

72 34.3 21.4 32.2#



#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

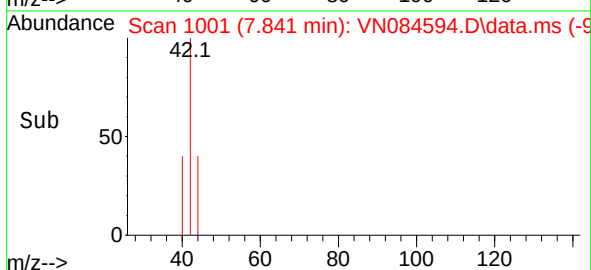
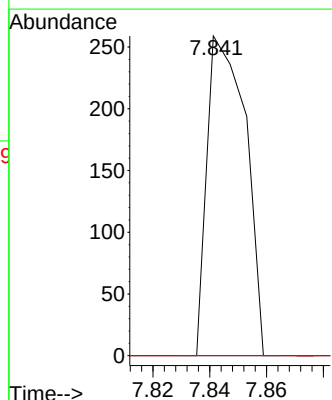
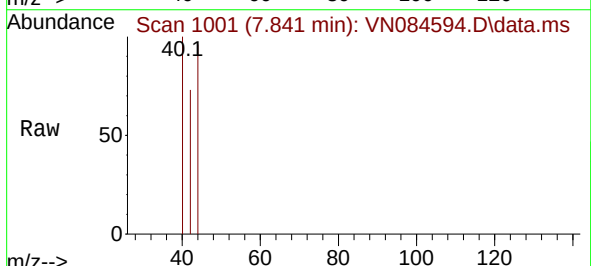
Tgt Ion: 42 Resp: 243

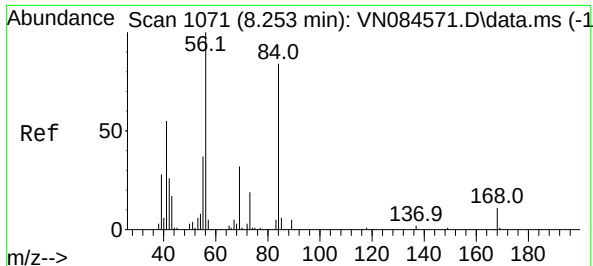
Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.170 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

ClientSampleId :

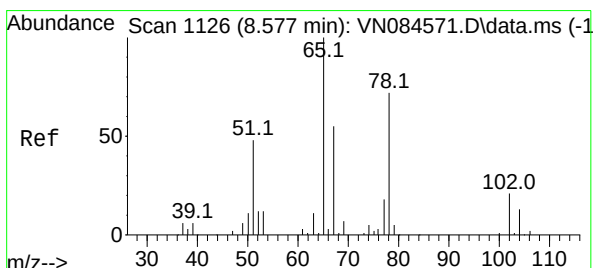
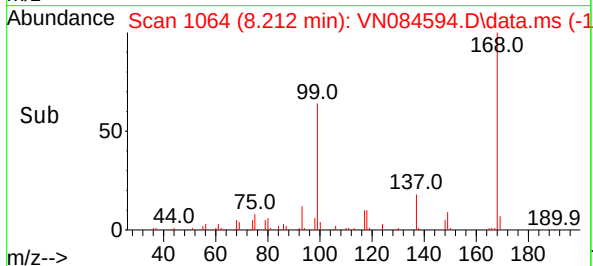
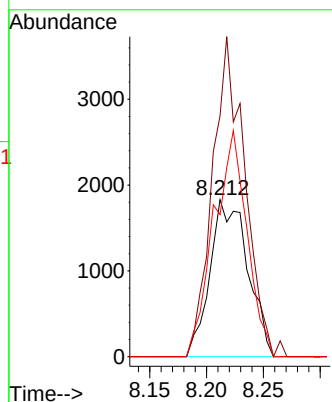
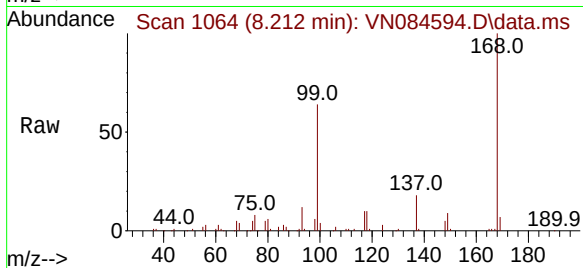
Tgt Ion: 56 Resp: 4219

Ion Ratio Lower Upper

56 100

69 153.3 23.8 35.6#

84 90.5 68.8 103.2



#33

1,2-Dichloroethane-d4

Concen: 50.616 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084594.D

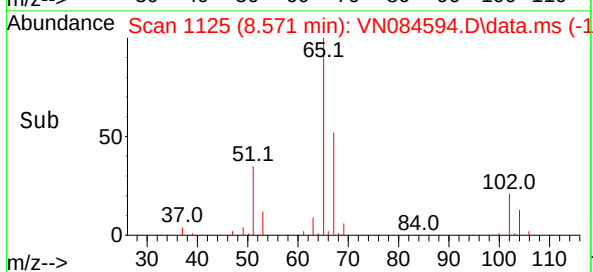
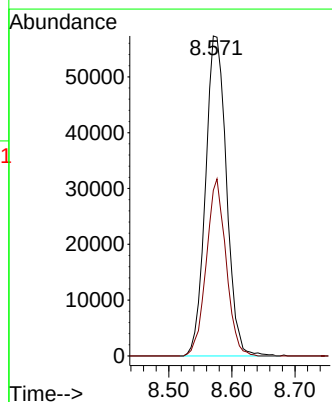
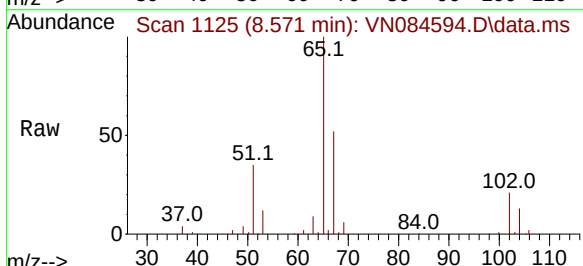
Acq: 31 Oct 2024 02:33

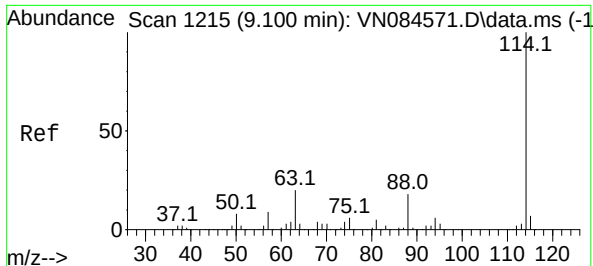
Tgt Ion: 65 Resp: 132154

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.0

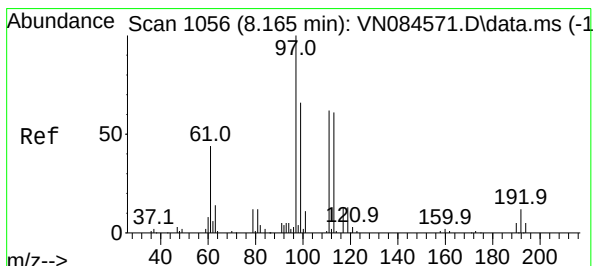
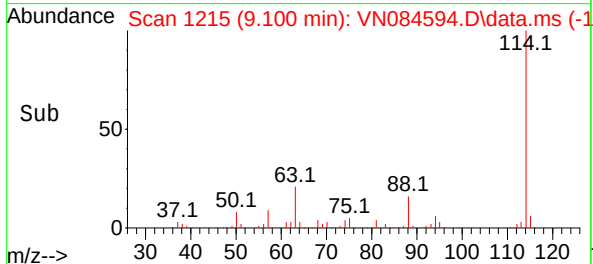
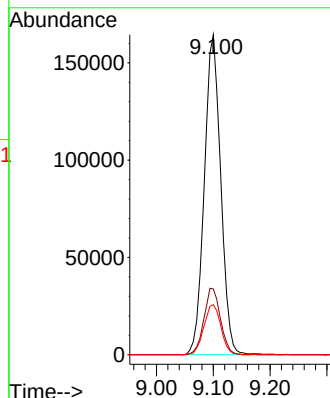
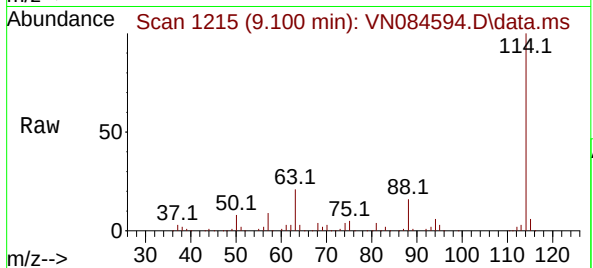




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

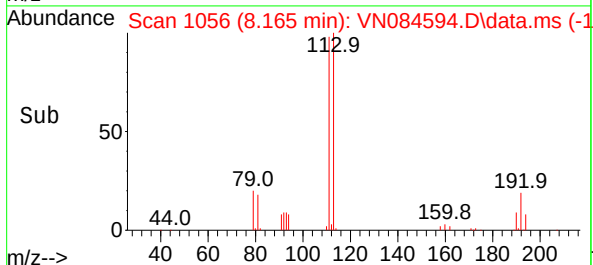
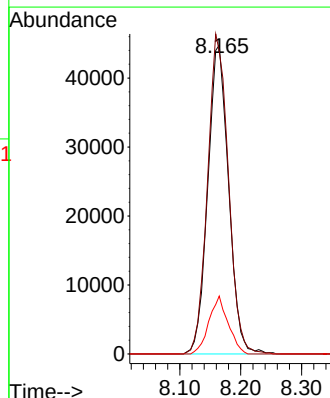
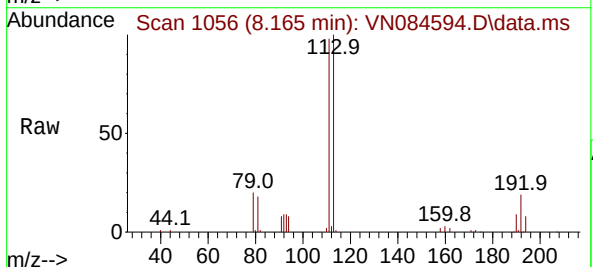
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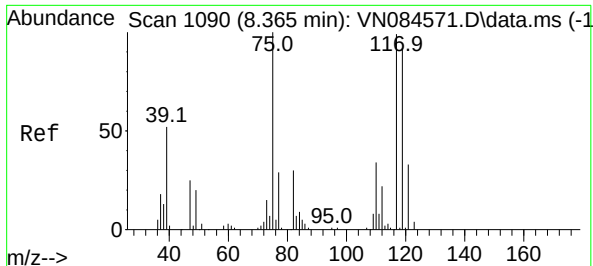
Tgt Ion:114 Resp: 329519
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.8
88 15.6 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.691 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion:113 Resp: 106373
Ion Ratio Lower Upper
113 100
111 103.8 83.3 124.9
192 17.3 13.5 20.3

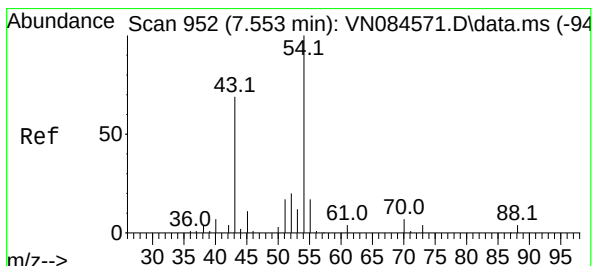
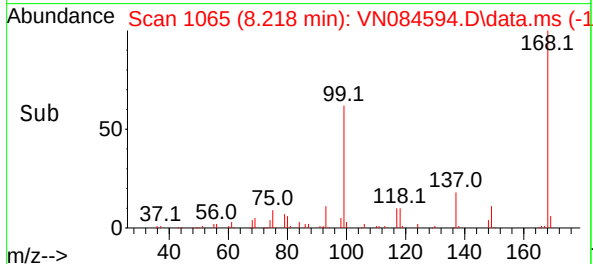
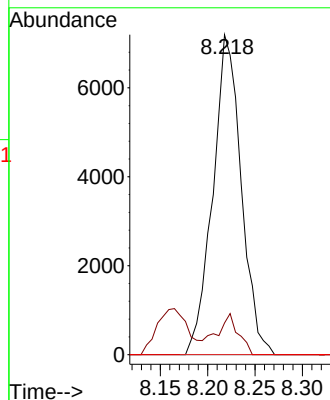
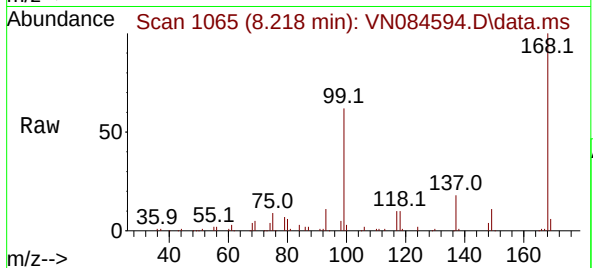




#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

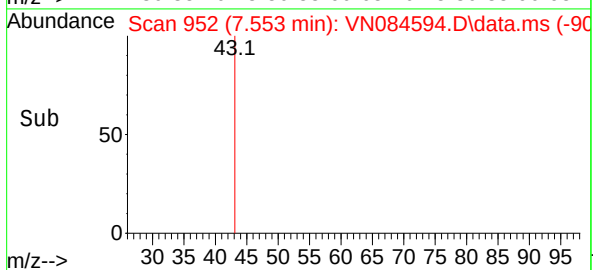
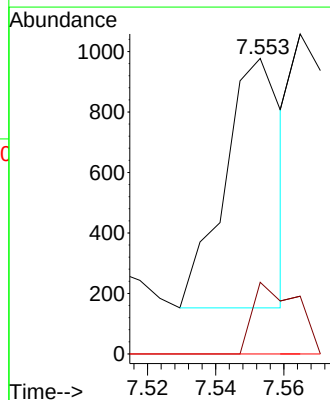
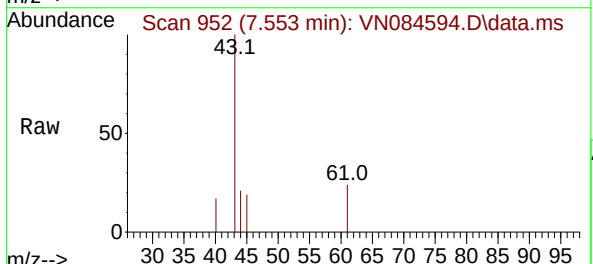
Instrument :
MSVOA_N
ClientSampleId :

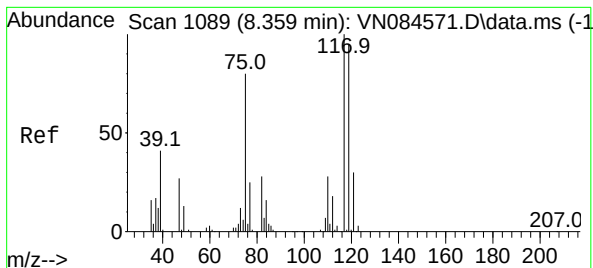
Tgt Ion: 75 Resp: 15018
Ion Ratio Lower Upper
75 100
110 9.8 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.343 ug/l
RT: 7.553 min Scan# 952
Delta R.T. -0.006 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
61 22.1 10.7 16.1#
70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.481 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

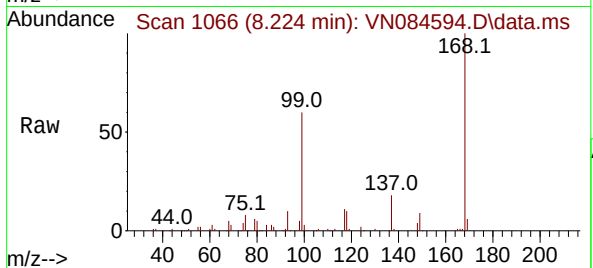
Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

ClientSampleId :



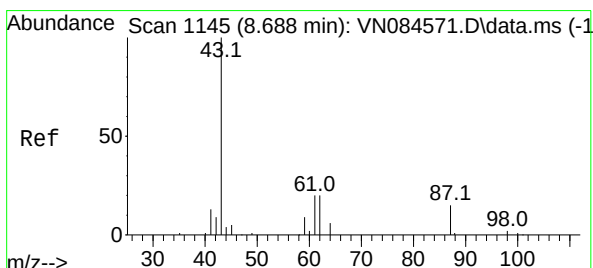
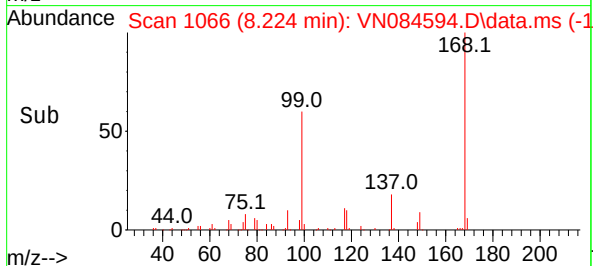
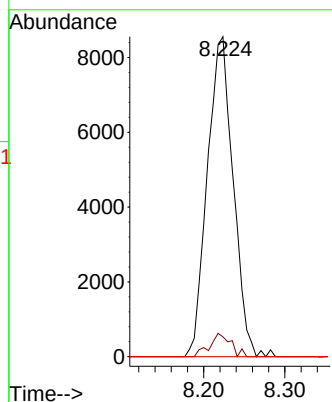
Tgt Ion:117 Resp: 18950

Ion Ratio Lower Upper

117 100

119 6.2 78.7 118.1#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 23.952 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

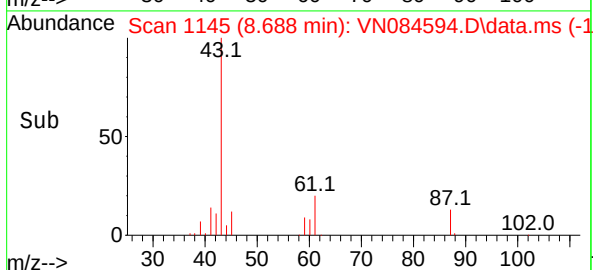
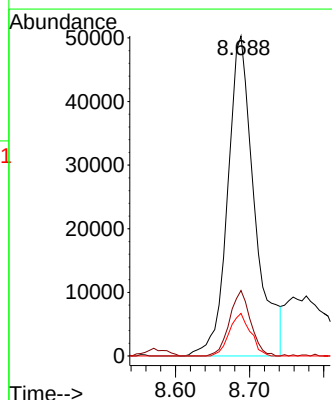
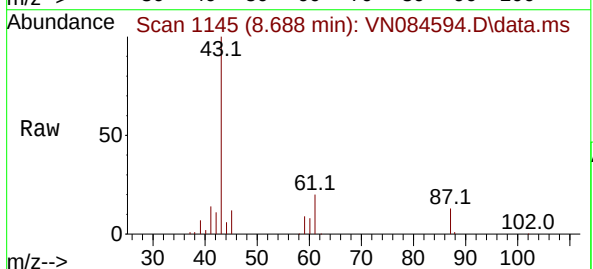
Tgt Ion: 43 Resp: 126796

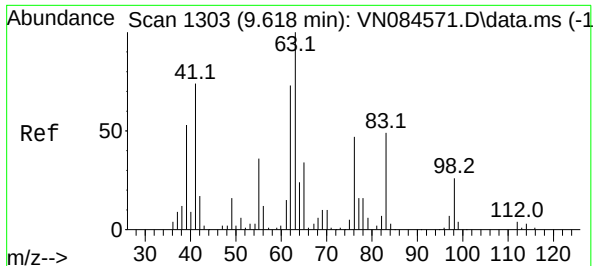
Ion Ratio Lower Upper

43 100

61 16.0 20.4 30.6#

87 10.4 10.3 15.5

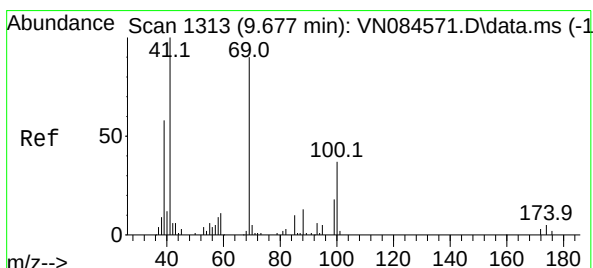
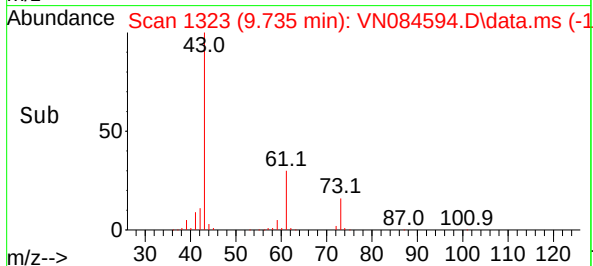
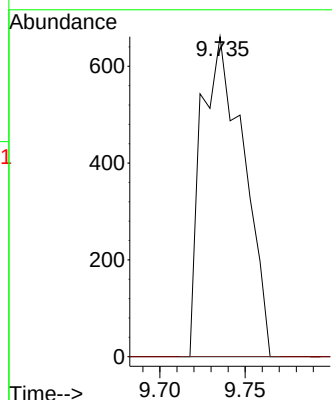
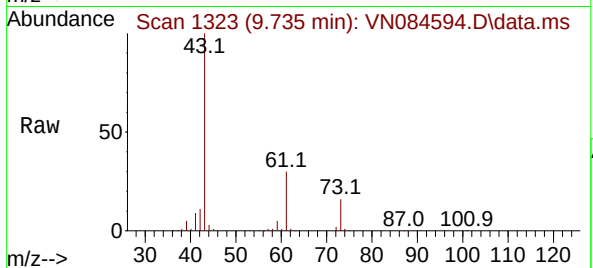




#45
1,2-Dichloropropane
Concen: 0.489 ug/l
RT: 9.735 min Scan# 1139
Delta R.T. 0.117 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

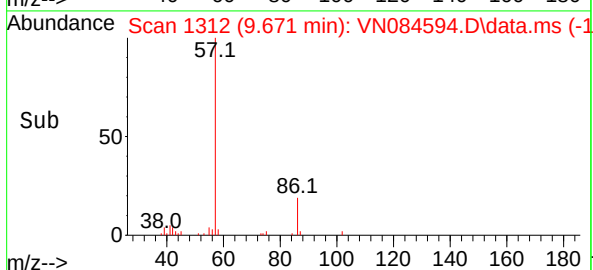
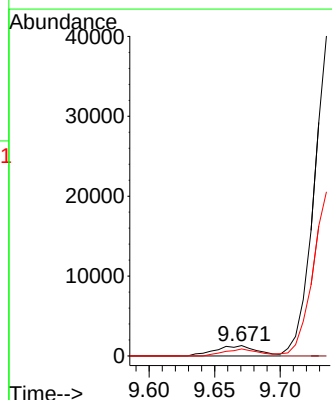
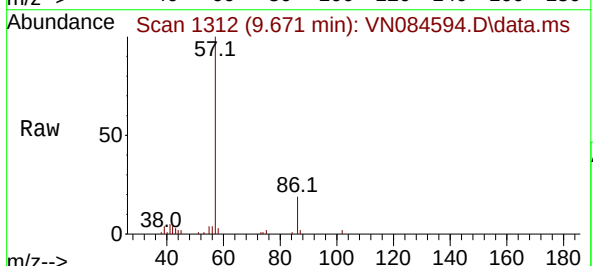
Instrument :
MSVOA_N
ClientSampleId :

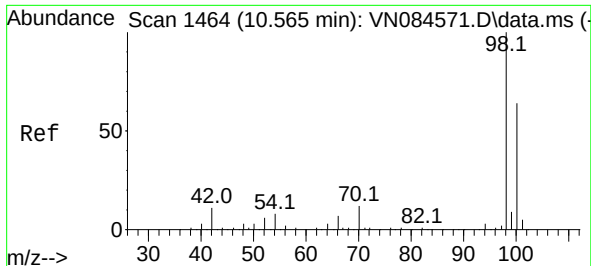
Tgt Ion: 63 Resp: 1139
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.314 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 41 Resp: 2870
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 54.4 45.8 68.6





#50

Toluene-d8

Concen: 48.049 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

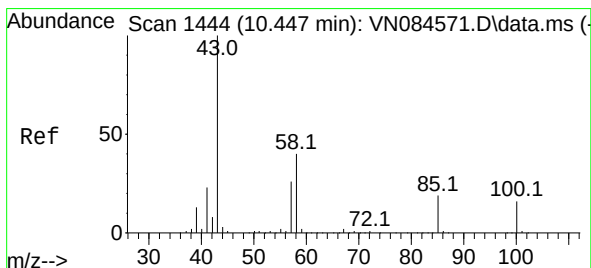
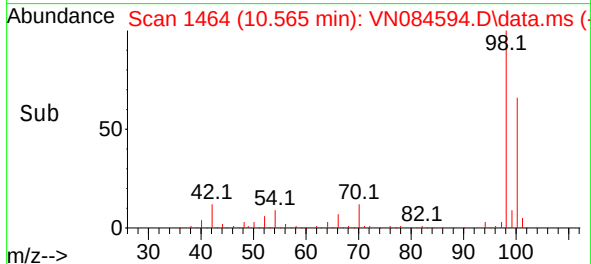
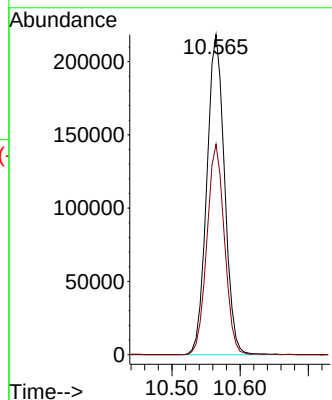
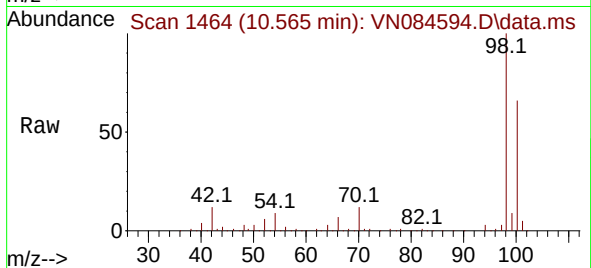
ClientSampleId :

Tgt Ion: 98 Resp: 394779

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 3.032 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN084594.D

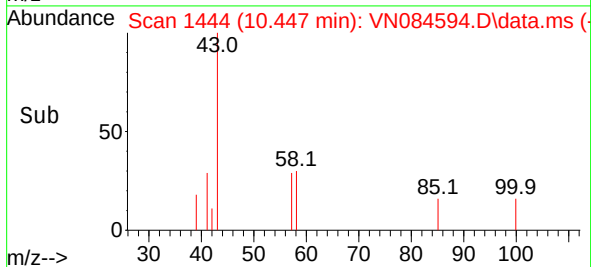
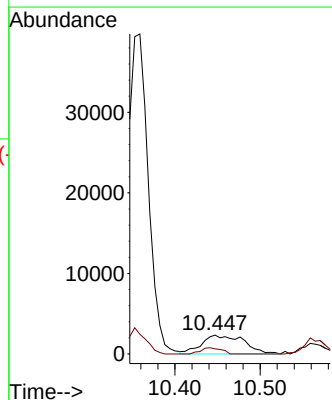
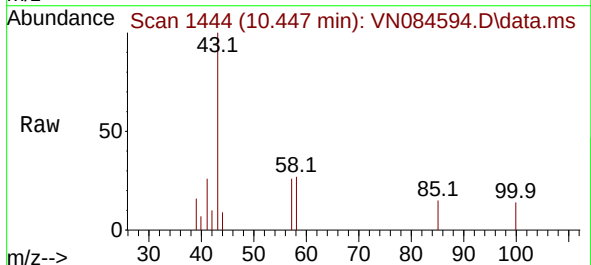
Acq: 31 Oct 2024 02:33

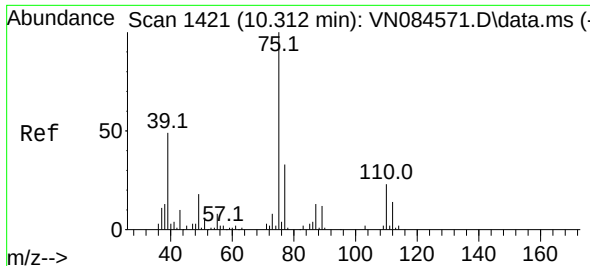
Tgt Ion: 43 Resp: 8111

Ion Ratio Lower Upper

43 100

58 16.0 31.6 47.4#

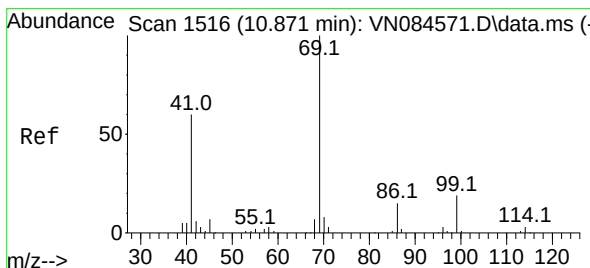
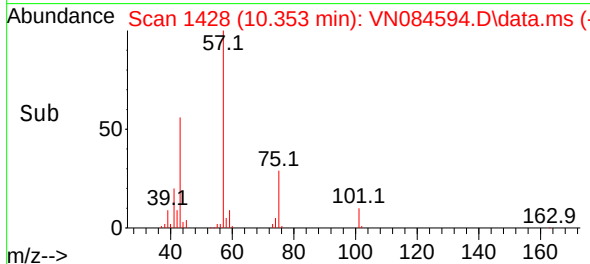
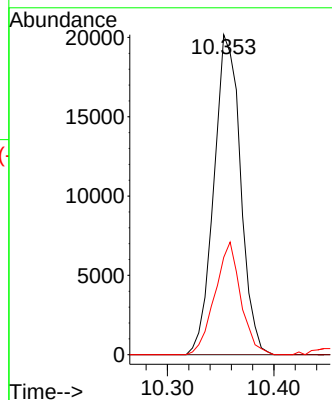
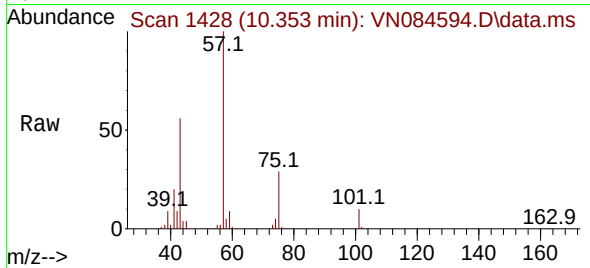




#54
cis-1,3-Dichloropropene
Concen: 9.196 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

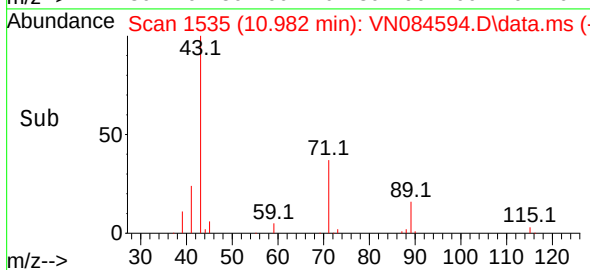
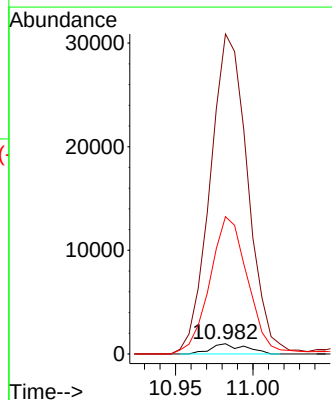
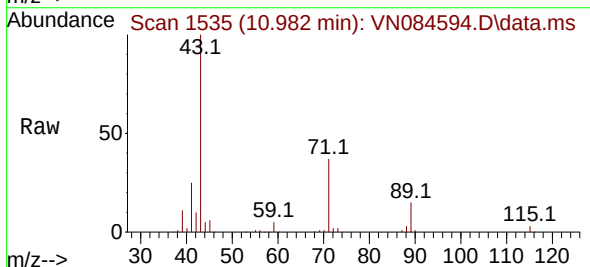
Instrument :
MSVOA_N
ClientSampleId :

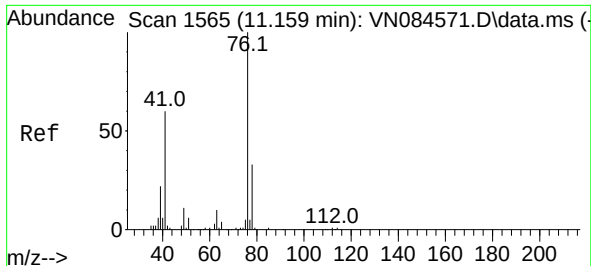
Tgt Ion: 75 Resp: 34922
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 30.4 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.486 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 69 Resp: 1540
Ion Ratio Lower Upper
69 100
41 3391.6 53.3 79.9#
39 1465.5 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.191 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

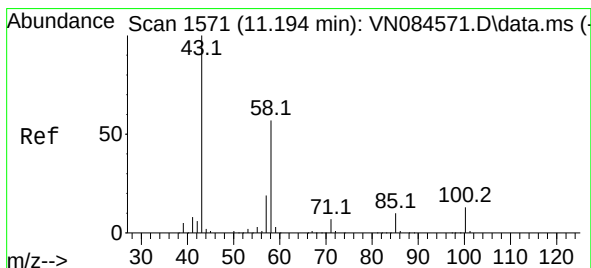
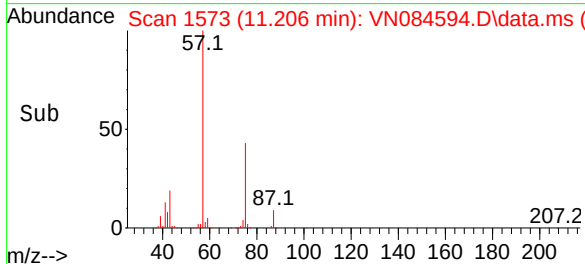
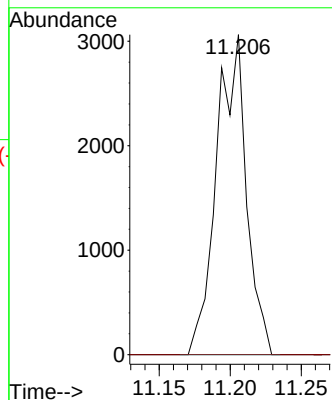
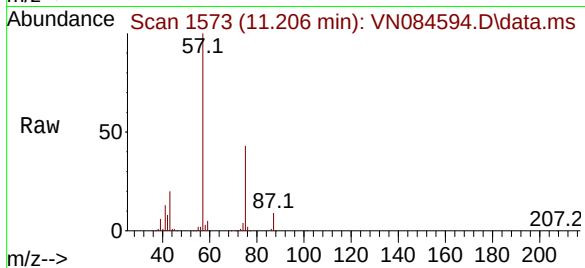
ClientSampleId :

Tgt Ion: 76 Resp: 4473

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 45.159 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084594.D

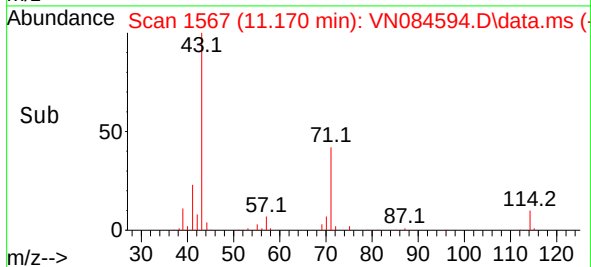
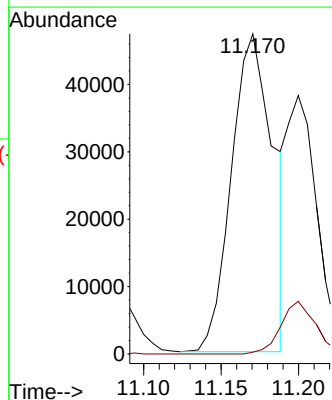
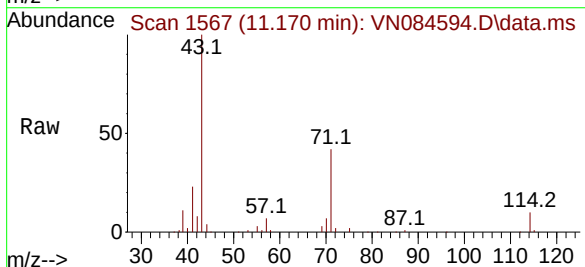
Acq: 31 Oct 2024 02:33

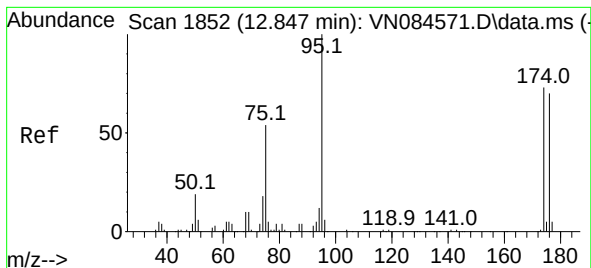
Tgt Ion: 43 Resp: 87945

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

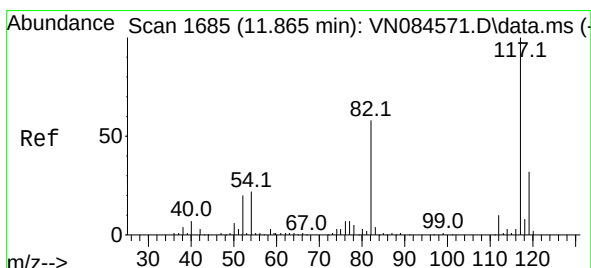
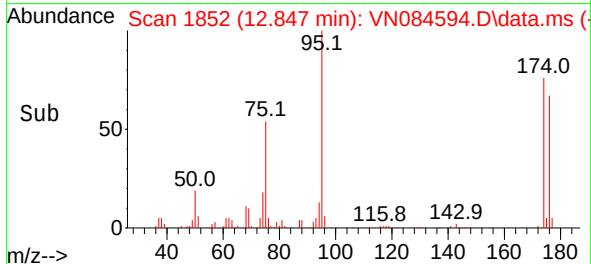
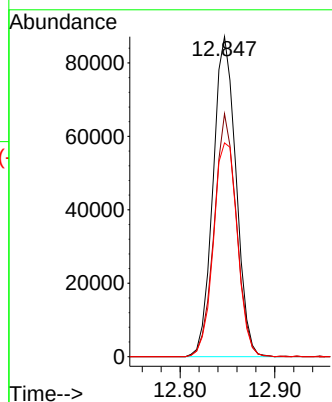
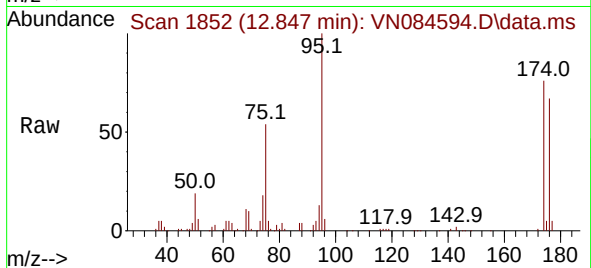




#62
4-Bromofluorobenzene
Concen: 47.793 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

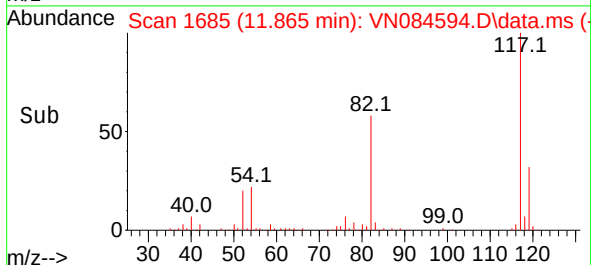
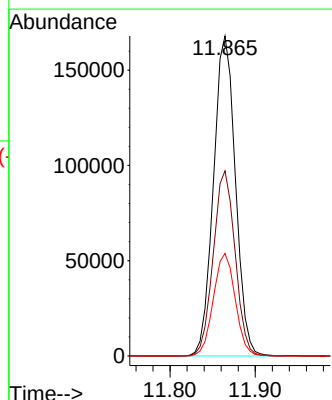
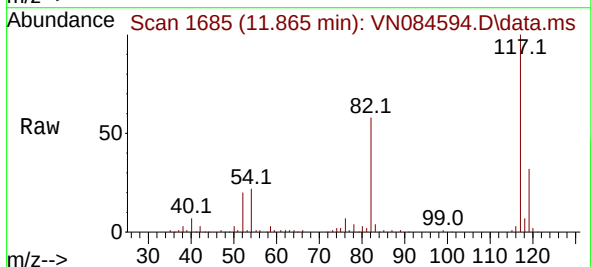
Instrument :
MSVOA_N
ClientSampleId :

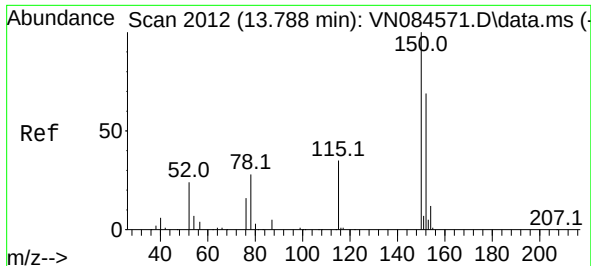
Tgt Ion: 95 Resp: 146758
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.2
176 69.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

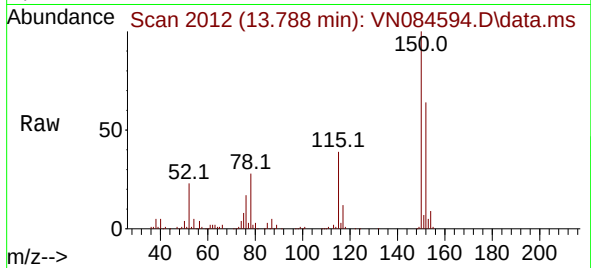
Tgt Ion: 117 Resp: 300354
Ion Ratio Lower Upper
117 100
82 57.8 47.2 70.8
119 32.1 25.4 38.0



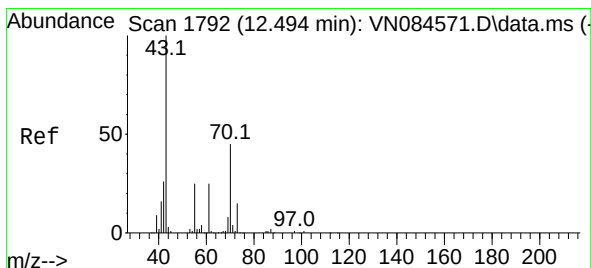
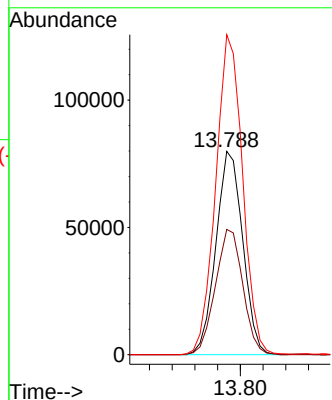
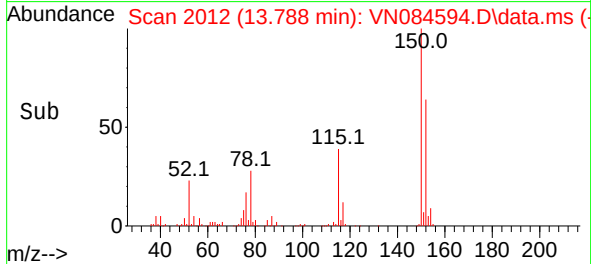


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Instrument :
MSVOA_N
ClientSampleId :

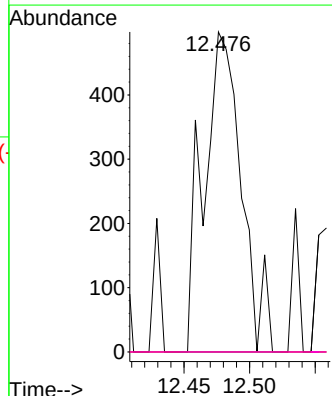
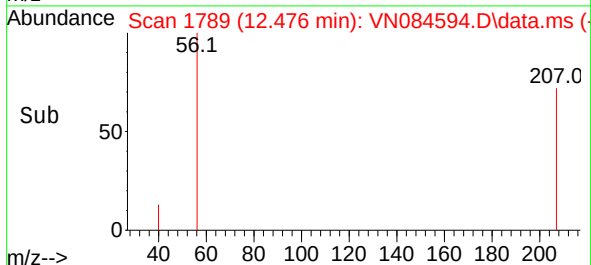
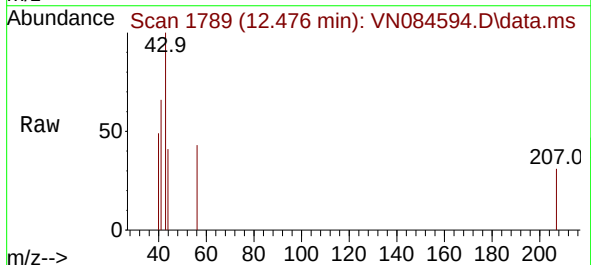


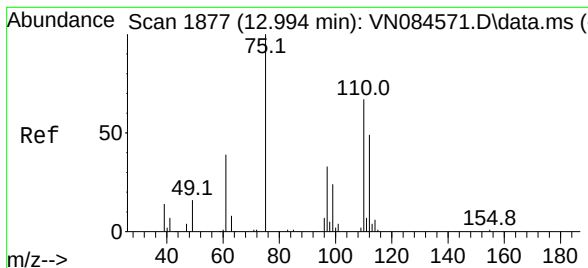
Tgt Ion:152 Resp: 130869
Ion Ratio Lower Upper
152 100
115 63.1 31.3 93.9
150 158.0 0.0 349.8



#74
N-ethyl acetate
Concen: 0.256 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN084594.D
Acq: 31 Oct 2024 02:33

Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#





#76

1,2,3-Trichloropropane

Concen: 29.227 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

Instrument :

MSVOA_N

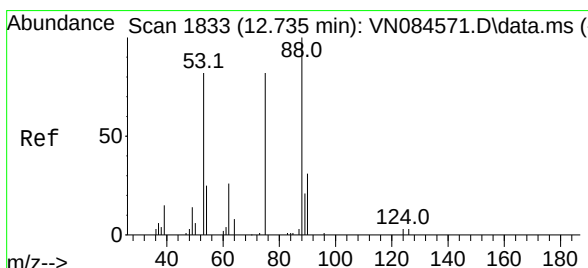
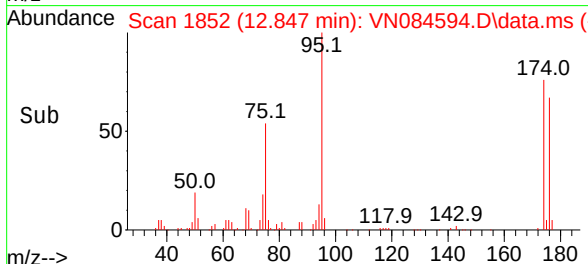
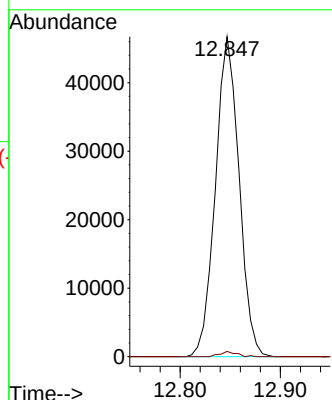
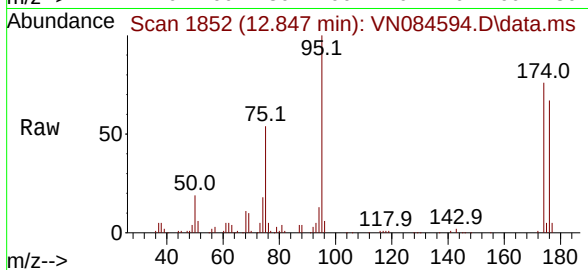
ClientSampleId :

Tgt Ion: 75 Resp: 76459

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.339 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084594.D

Acq: 31 Oct 2024 02:33

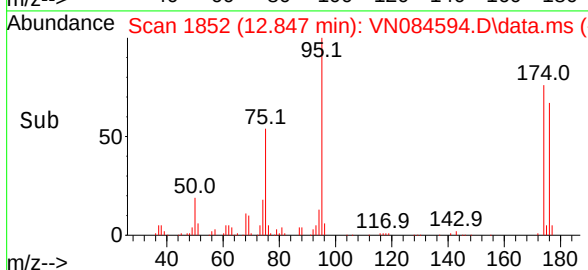
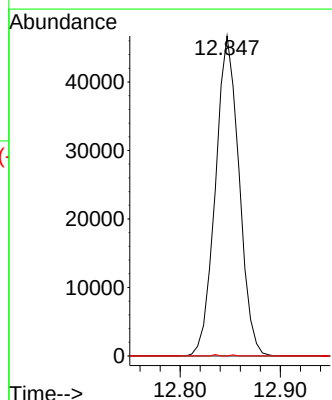
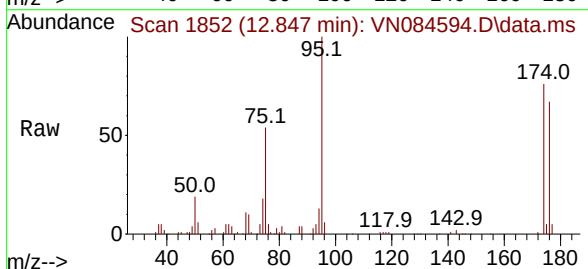
Tgt Ion: 75 Resp: 76459

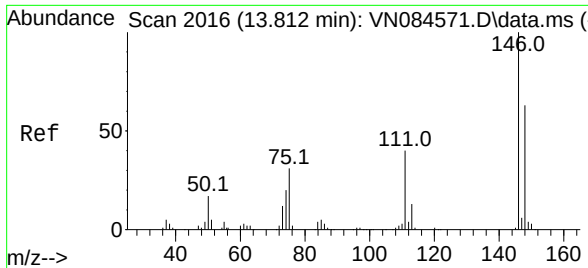
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

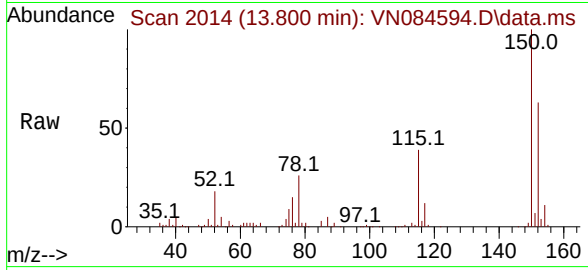
89 0.1 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.800 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN084594.D
 Acq: 31 Oct 2024 02:33

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:146 Resp: 185
 Ion Ratio Lower Upper
 146 100
 111 1007.0 21.2 63.6#
 148 143.2 31.9 95.9#

