

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085096.D
 Acq On : 04 Dec 2024 16:01
 Operator : JC\MD
 Sample : P5072-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:08:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

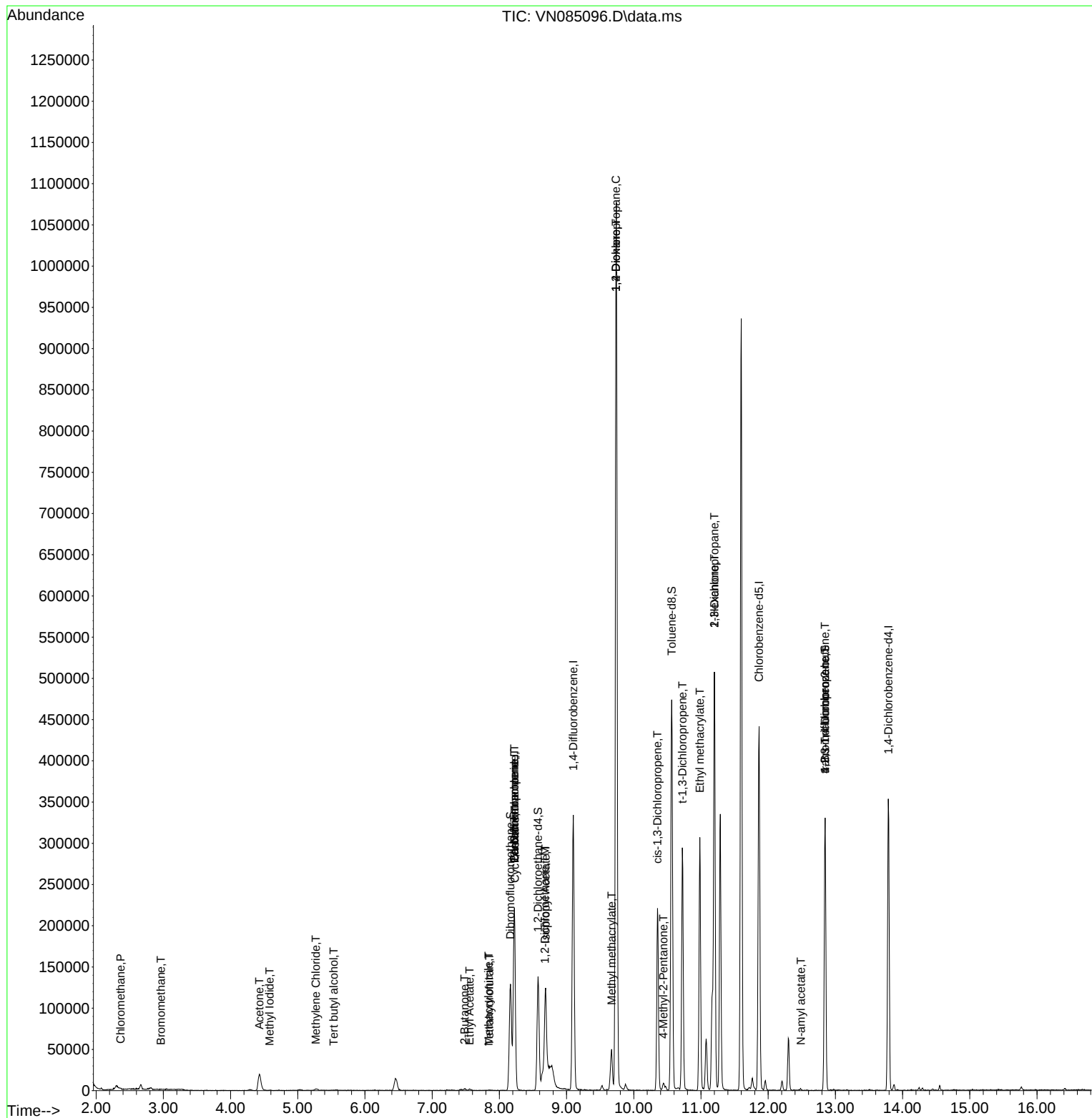
Internal Standards						
1) Pentafluorobenzene	8.224	168	153255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113670	52.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.140%			
35) Dibromofluoromethane	8.165	113	94502	49.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	10.565	98	333904	48.725	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.847	95	116086	45.298	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.600%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	542	0.270	ug/l #	61
5) Bromomethane	2.965	94	244	0.241	ug/l	86
10) Methyl Iodide	4.583	142	592	0.257	ug/l #	39
11) Tert butyl alcohol	5.536	59	67	0.230	ug/l #	75
16) Acetone	4.430	43	37268	58.618	ug/l	96
18) Methyl Acetate	5.030	43	1440	Below Cal	#	61
20) Methylene Chloride	5.271	84	1004	0.518	ug/l #	69
25) 2-Butanone	7.483	43	3264	3.140	ug/l	90
29) Tetrahydrofuran	7.853	42	435	0.673	ug/l #	46
31) Cyclohexane	8.230	56	3299	1.134	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	13105	5.060	ug/l #	51
37) Ethyl Acetate	7.559	43	2421	1.028	ug/l #	75
38) Carbon Tetrachloride	8.224	117	17191	5.750	ug/l #	15
41) Methacrylonitrile	7.841	41	276	0.212	ug/l #	23
42) 1,2-Dichloroethane	8.677	62	745	0.266	ug/l #	75
43) Isopropyl Acetate	8.688	43	165956	33.931	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	1396	0.692	ug/l #	45
48) Methyl methacrylate	9.671	41	3173	1.743	ug/l #	38
49) 1,4-Dioxane	9.735	88	71	2.249	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	9489	4.248	ug/l #	71
53) t-1,3-Dichloropropene	10.724	75	781	0.262	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	39441	12.480	ug/l #	63
56) Ethyl methacrylate	10.982	69	1437	0.544	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5841	1.837	ug/l #	42
59) 2-Hexanone	11.200	43	58397	34.952	ug/l #	55
74) N-amyl acetate	12.488	43	693	0.245	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	60111	33.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60111	74.964	ug/l #	10

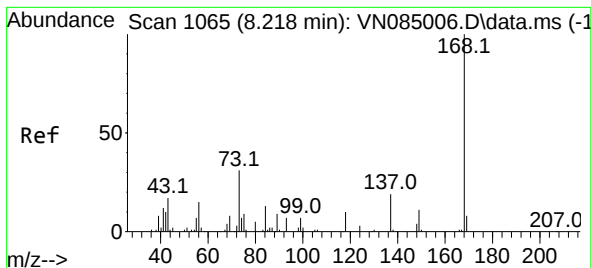
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
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Quant Time: Dec 04 22:08:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

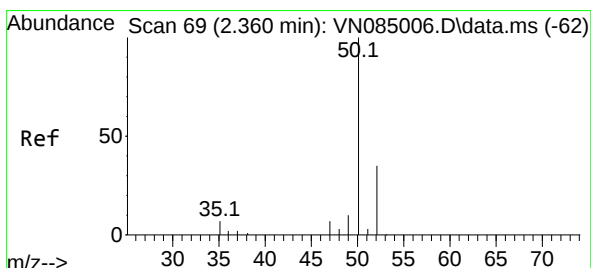
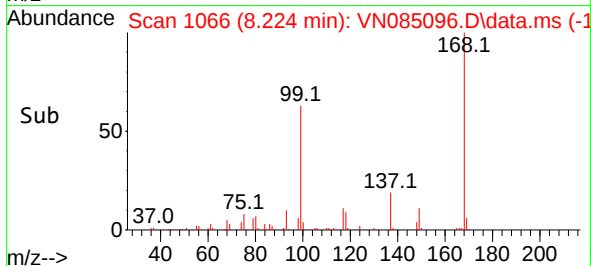
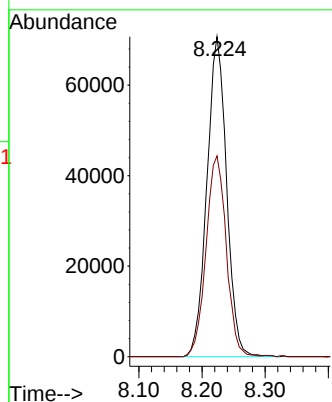
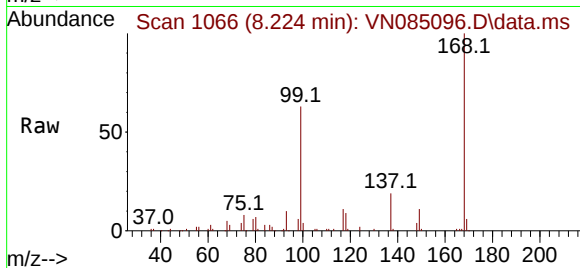
ClientSampleId :

Tgt Ion:168 Resp: 153255

Ion Ratio Lower Upper

168 100

99 62.8 51.2 76.8



#3

Chloromethane

Concen: 0.270 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN085096.D

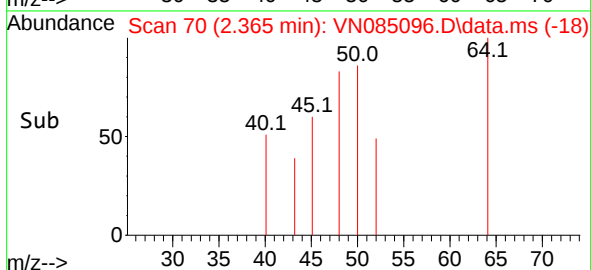
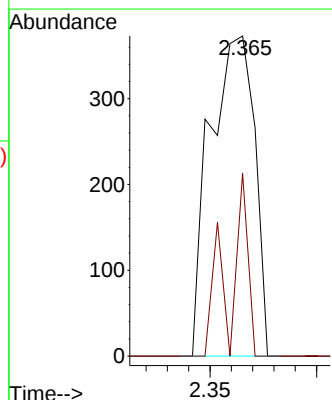
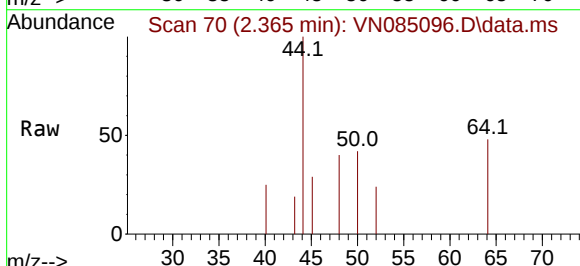
Acq: 04 Dec 2024 16:01

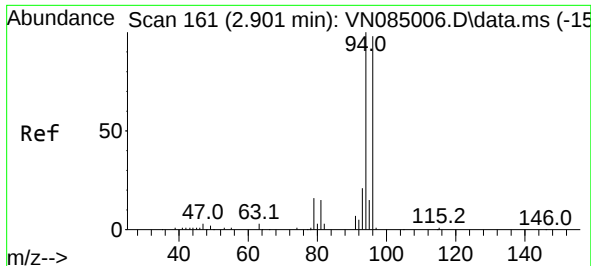
Tgt Ion: 50 Resp: 542

Ion Ratio Lower Upper

50 100

52 57.1 27.8 41.8#

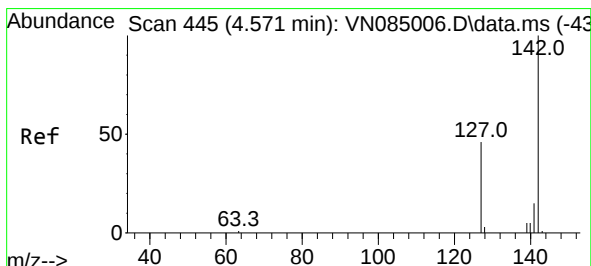
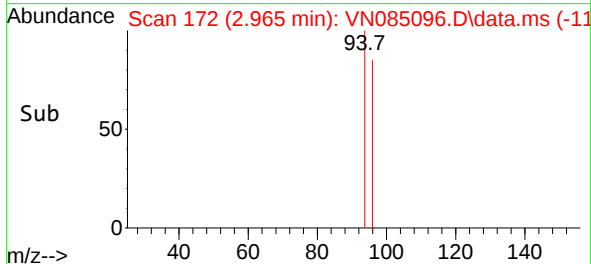
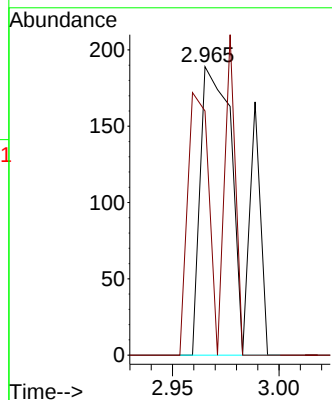
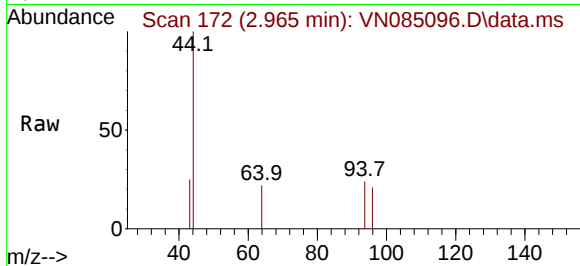




#5
Bromomethane
Concen: 0.241 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

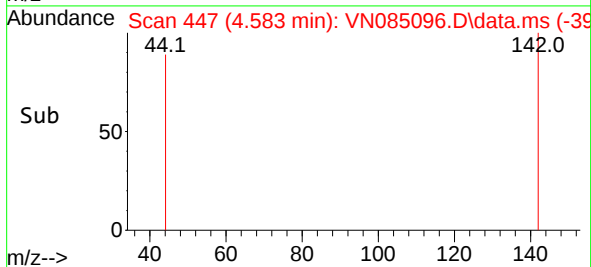
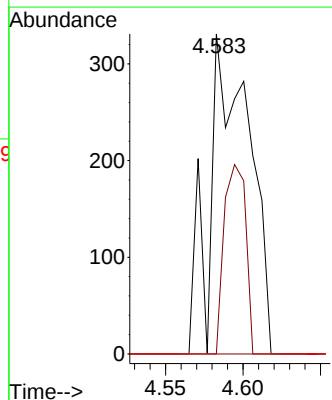
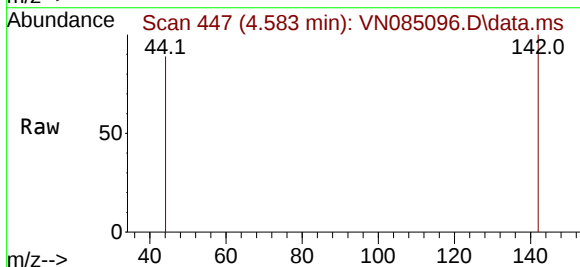
Instrument :
MSVOA_N
ClientSampleId :

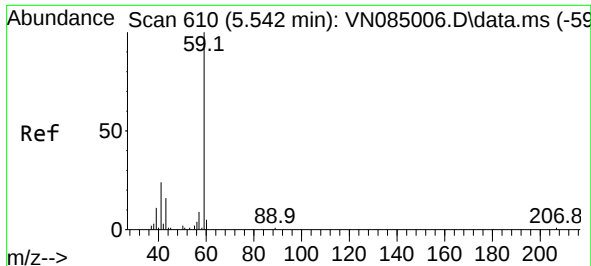
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 84.7 78.7 118.1



#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

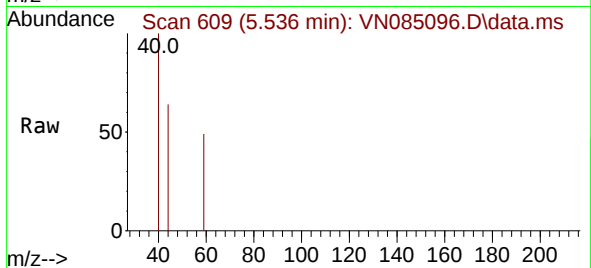
Tgt Ion: 142 Resp: 592
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



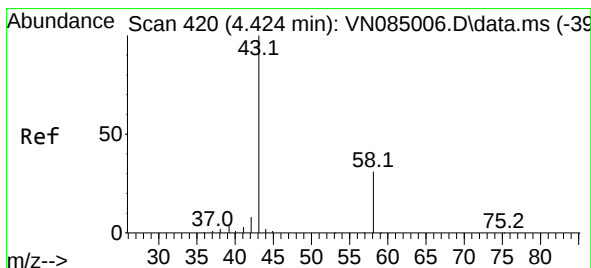
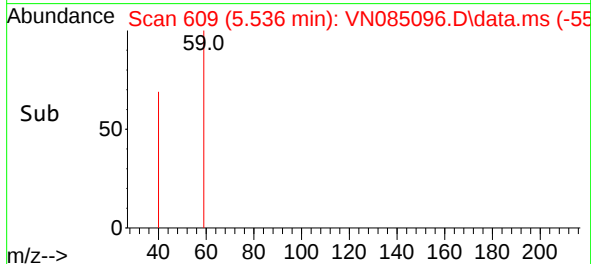
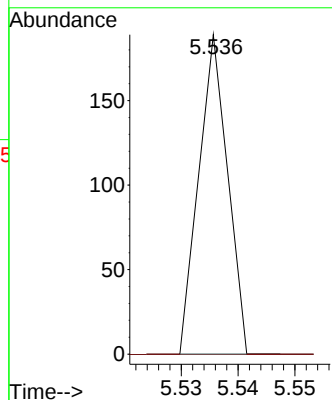


#11
Tert butyl alcohol
Concen: 0.230 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

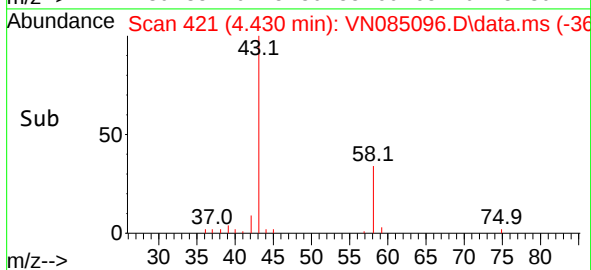
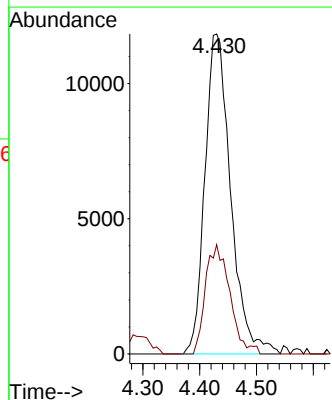
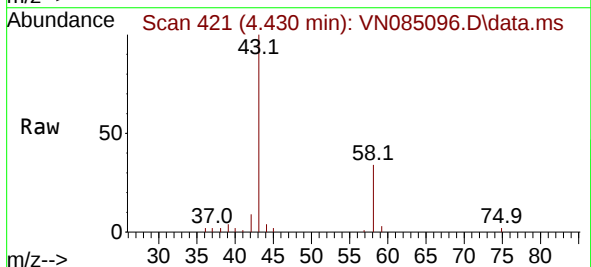


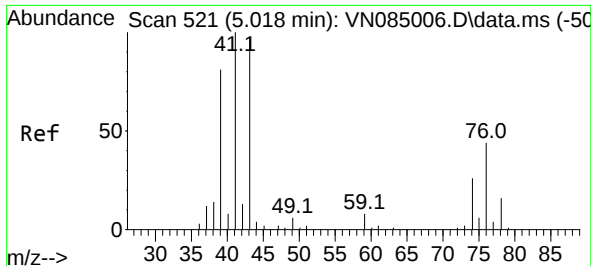
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 58.618 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Tgt Ion: 43 Resp: 37268
Ion Ratio Lower Upper
43 100
58 34.2 25.4 38.2

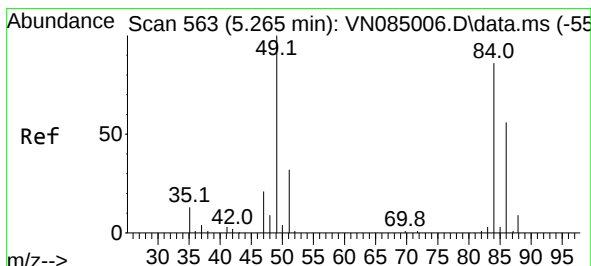
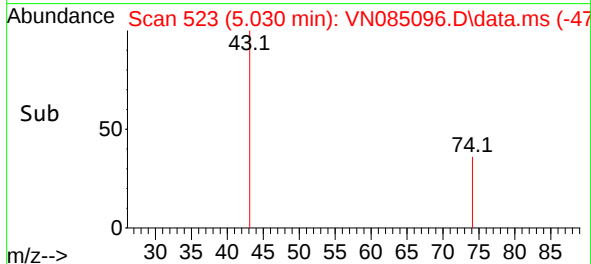
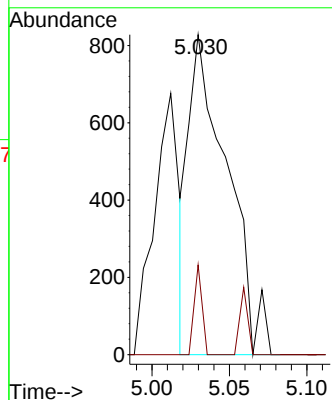
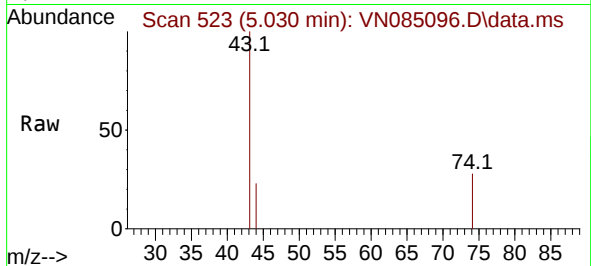




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

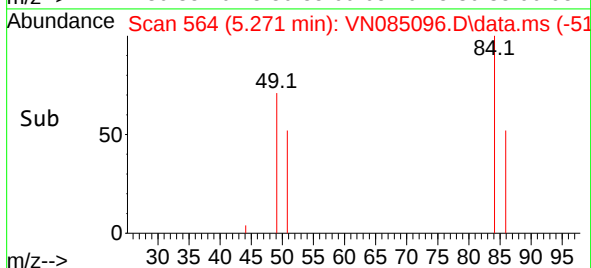
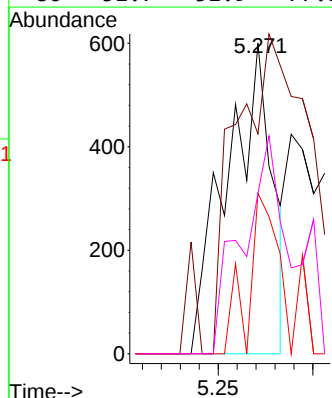
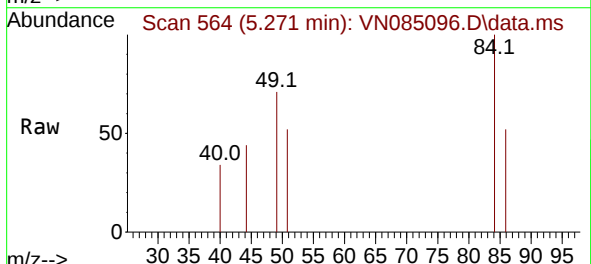
Instrument :
MSVOA_N
ClientSampleId :

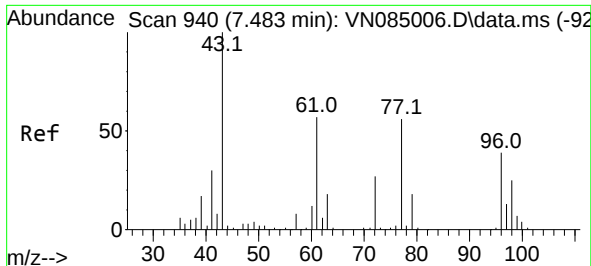
Tgt Ion: 43 Resp: 1440
Ion Ratio Lower Upper
43 100
74 5.7 20.1 30.1#



#20
Methylene Chloride
Concen: 0.518 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

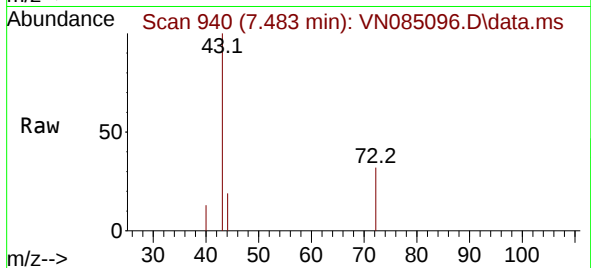
Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 70.8 92.7 139.1#
51 51.7 29.4 44.2#
86 51.7 51.9 77.9#



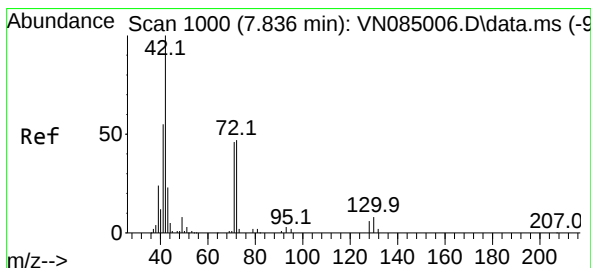
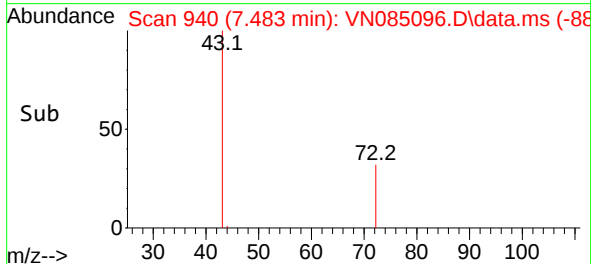
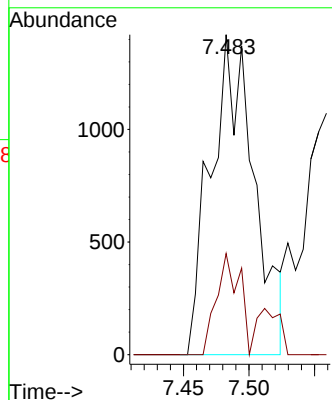


#25
2-Butanone
Concen: 3.140 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

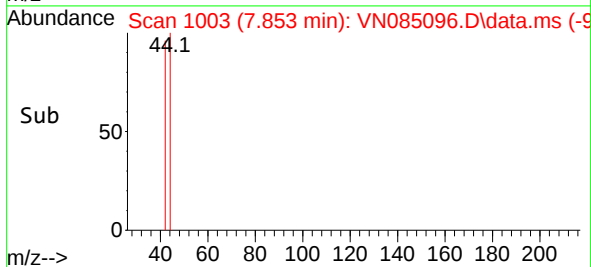
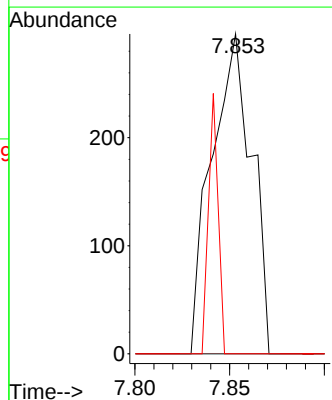
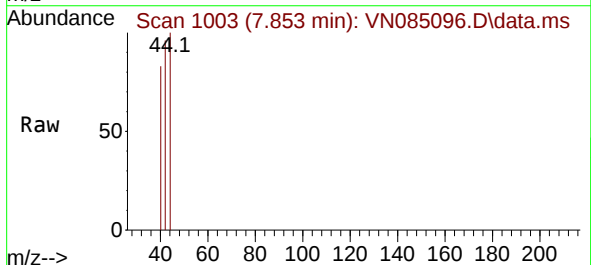


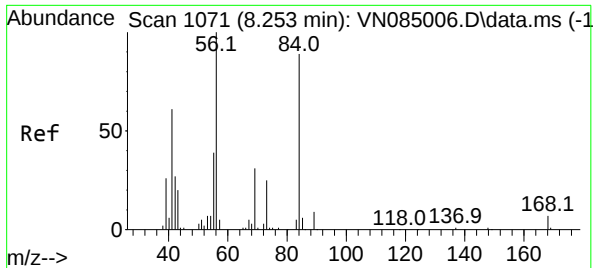
Tgt Ion: 43 Resp: 3264
Ion Ratio Lower Upper
43 100
72 31.6 21.4 32.0



#29
Tetrahydrofuran
Concen: 0.673 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

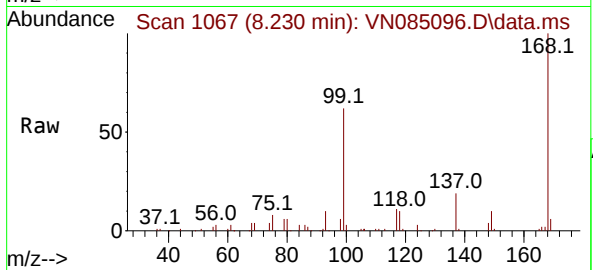
Tgt Ion: 42 Resp: 435
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 19.5 35.0 52.4#



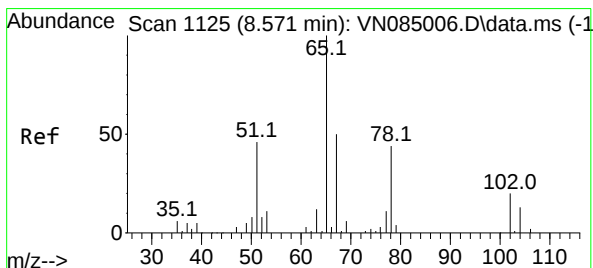
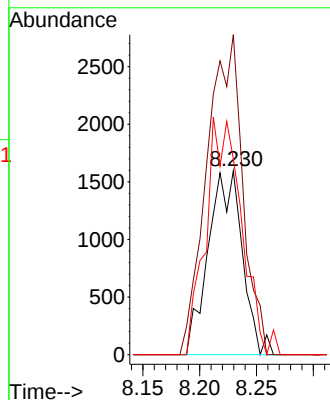
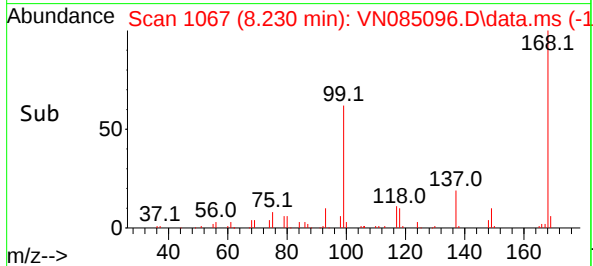


#31
Cyclohexane
Concen: 1.134 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

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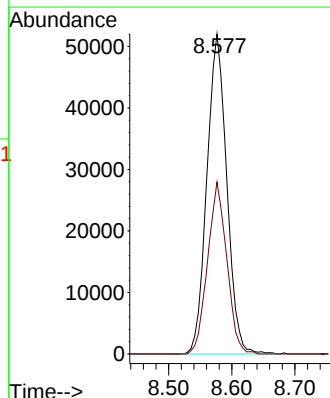
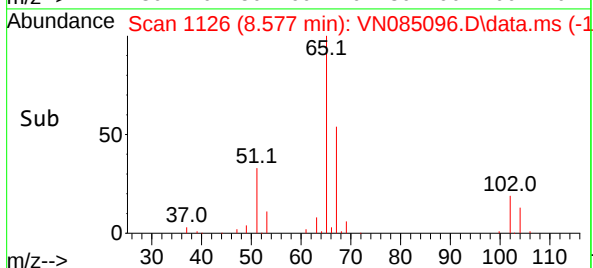
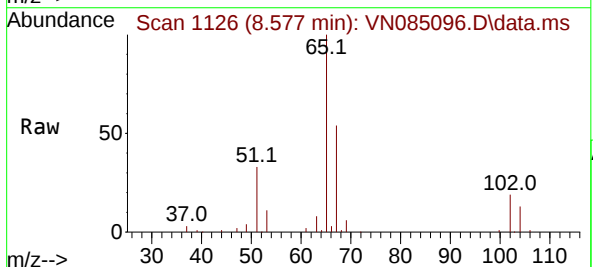


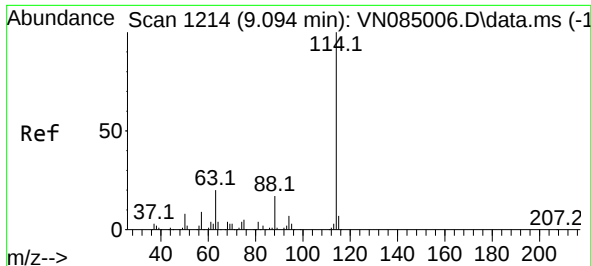
Tgt Ion: 56 Resp: 3299
Ion Ratio Lower Upper
56 100
69 174.1 24.6 36.8#
84 106.6 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 52.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Tgt Ion: 65 Resp: 113670
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

ClientSampleId :

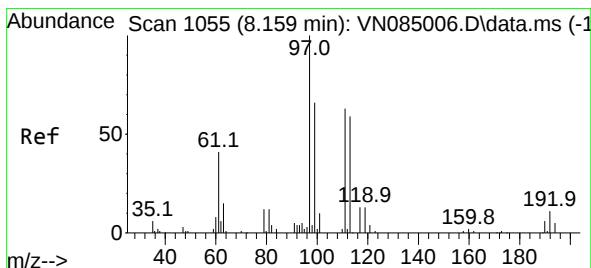
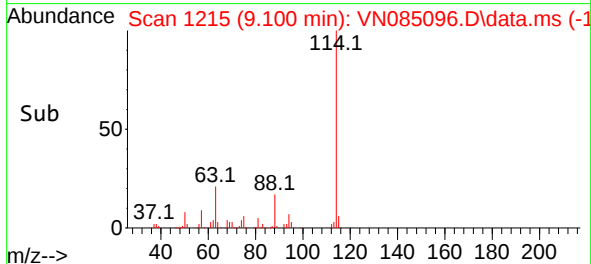
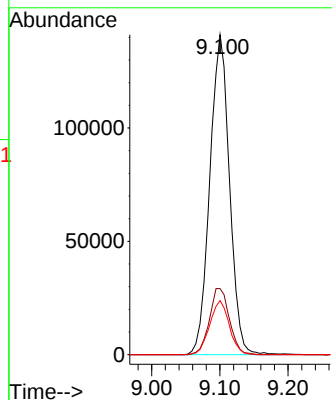
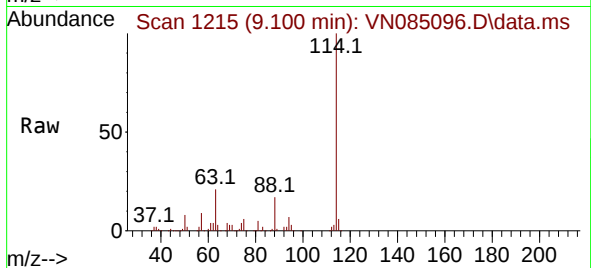
Tgt Ion:114 Resp: 283554

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 16.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.421 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

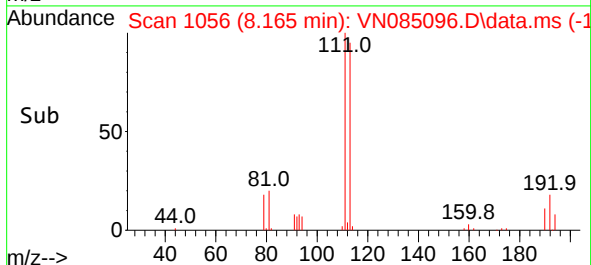
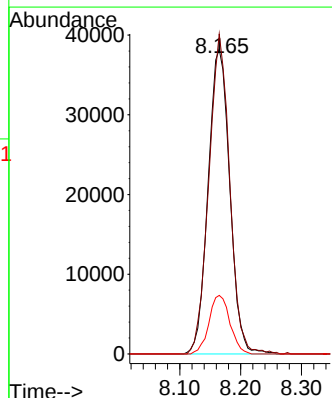
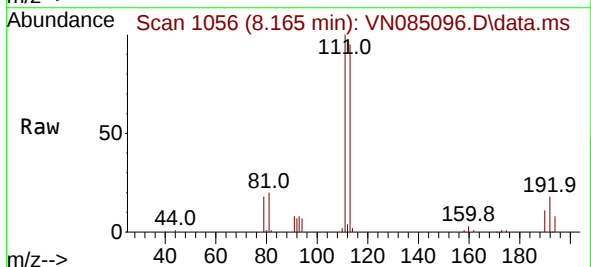
Tgt Ion:113 Resp: 94502

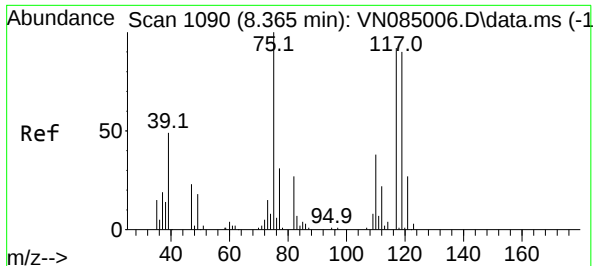
Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

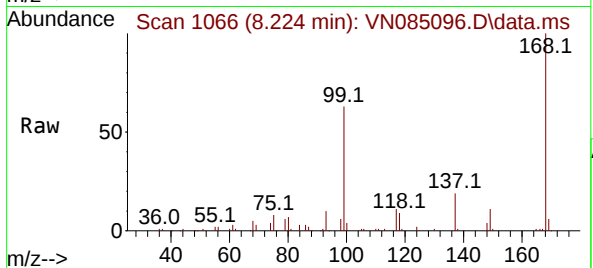
Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

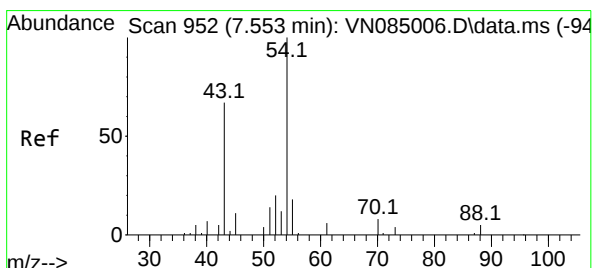
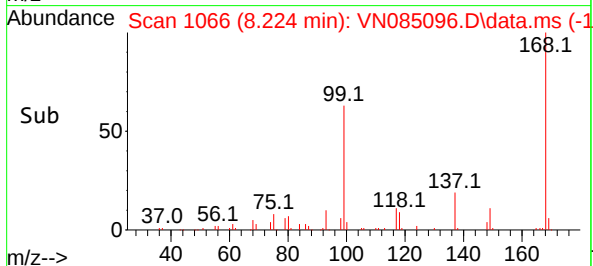
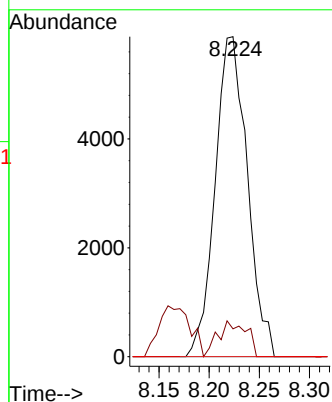
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13105
Ion Ratio	Lower Upper
75	100
110	9.8 17.2 51.6#
77	0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 1.028 ug/l

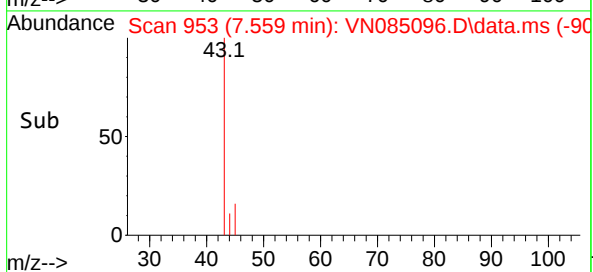
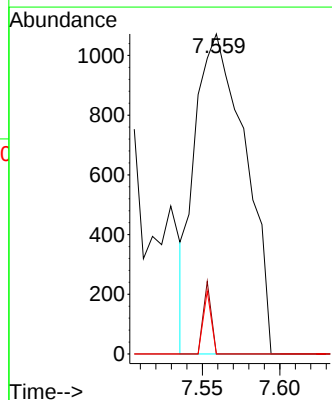
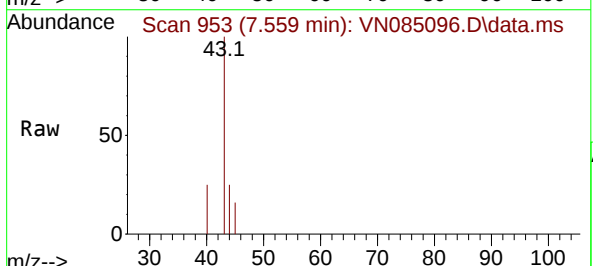
RT: 7.559 min Scan# 953

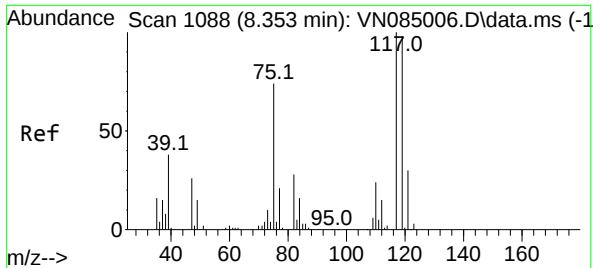
Delta R.T. 0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

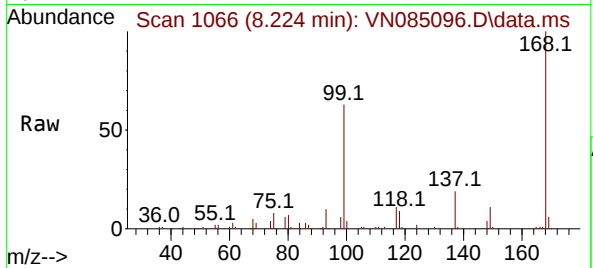
Tgt Ion: 43	Resp: 2421
Ion Ratio	Lower Upper
43	100
61	3.6 11.7 17.5#
70	3.1 9.3 13.9#



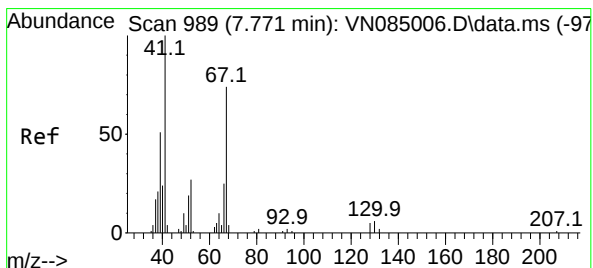
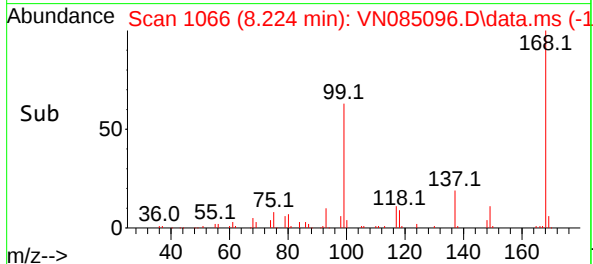
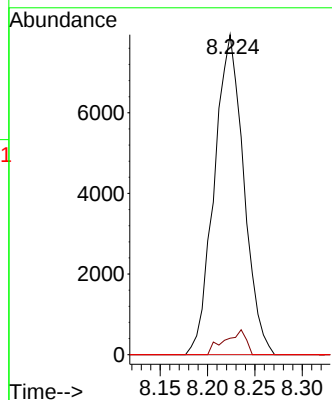


#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 8.224 min Scan# 1001
Delta R.T. -0.130 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

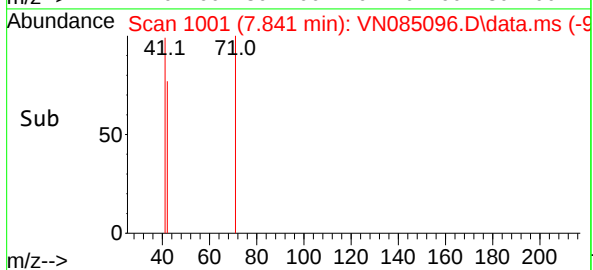
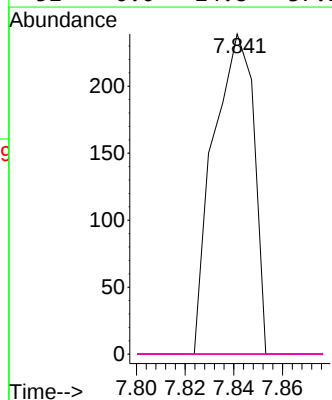
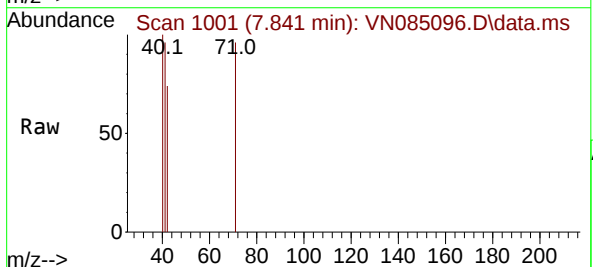


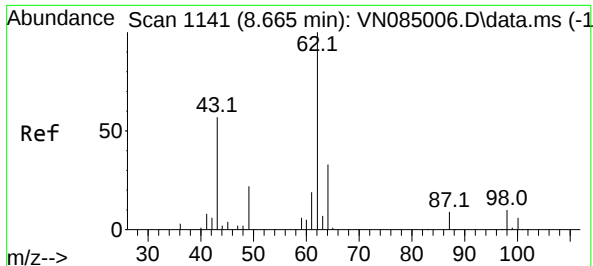
Tgt Ion:117 Resp: 17191
Ion Ratio Lower Upper
117 100
119 5.2 78.6 117.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.070 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Tgt Ion: 41 Resp: 276
Ion Ratio Lower Upper
41 100
39 0.0 42.6 63.8#
67 0.0 59.9 89.9#
52 0.0 24.8 37.2#





#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

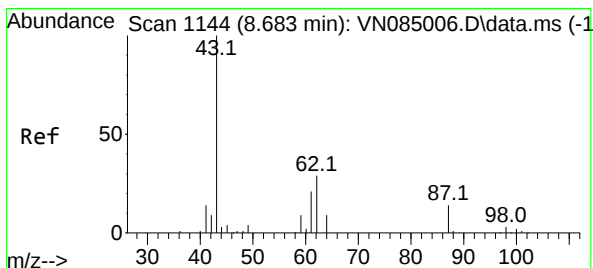
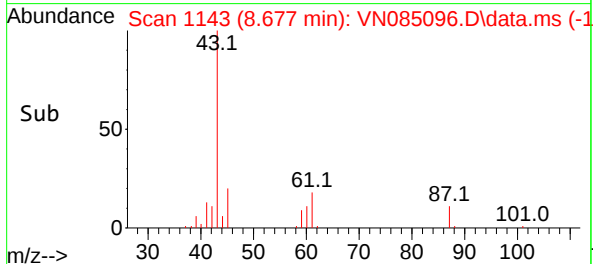
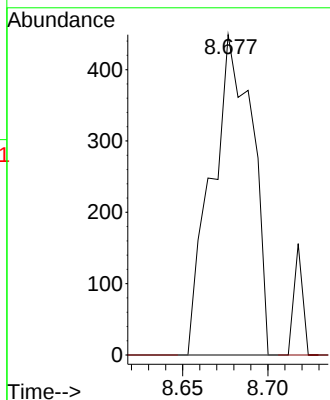
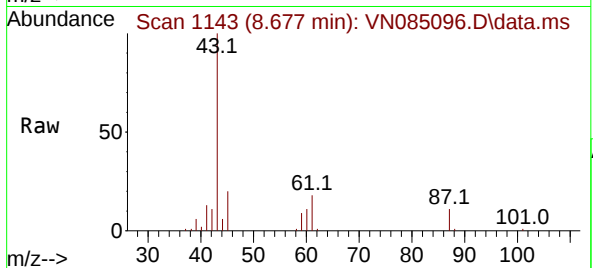
ClientSampleId :

Tgt Ion: 62 Resp: 745

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 33.931 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

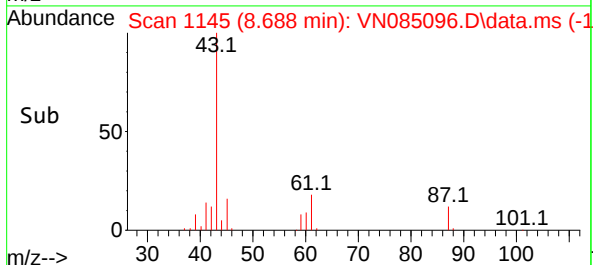
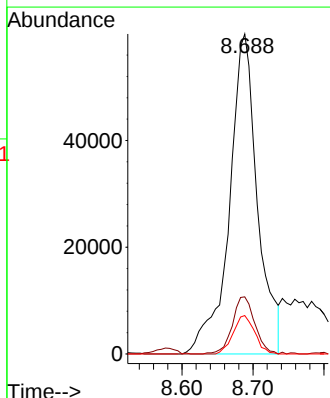
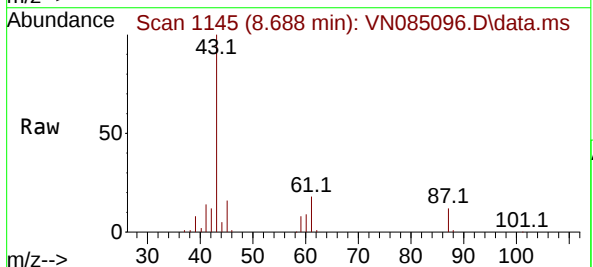
Tgt Ion: 43 Resp: 165956

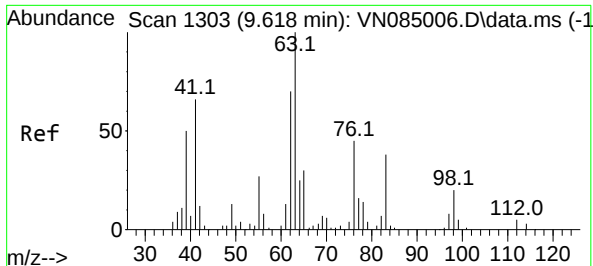
Ion Ratio Lower Upper

43 100

61 14.2 20.6 30.8#

87 9.2 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.692 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

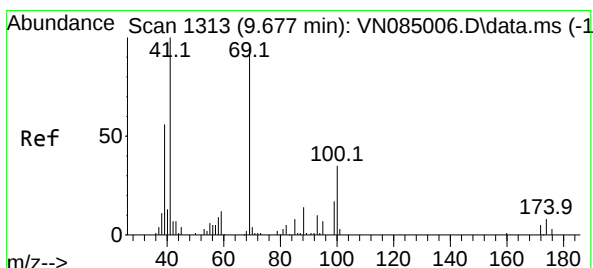
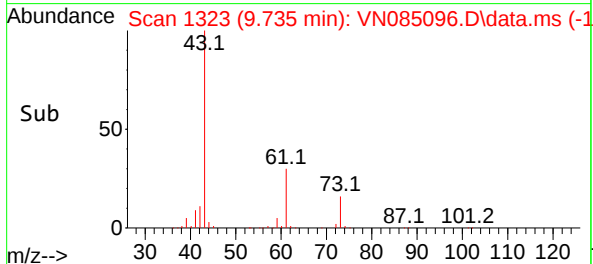
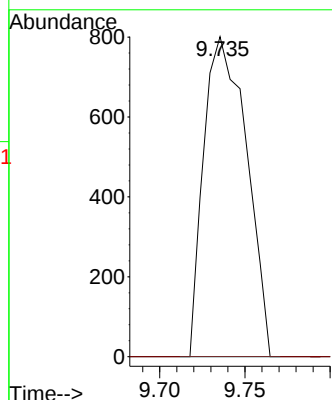
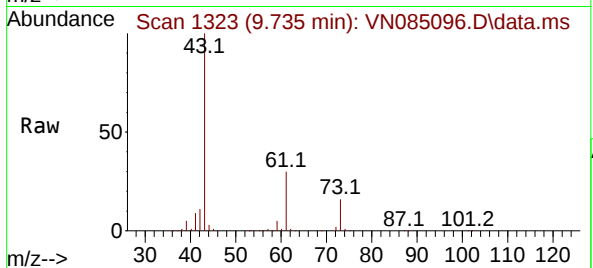
ClientSampleId :

Tgt Ion: 63 Resp: 1396

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.743 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

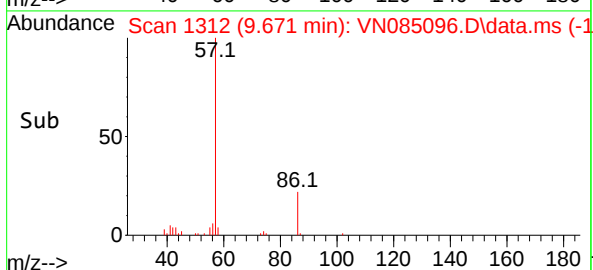
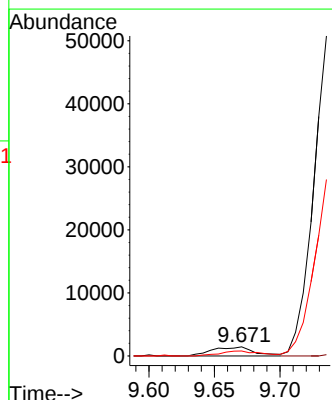
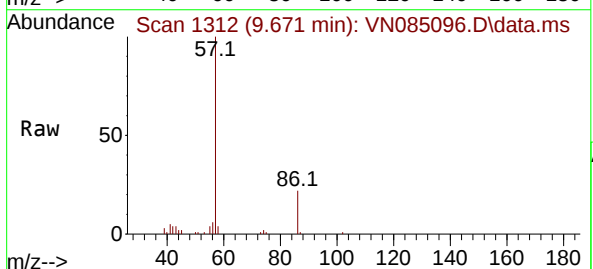
Tgt Ion: 41 Resp: 3173

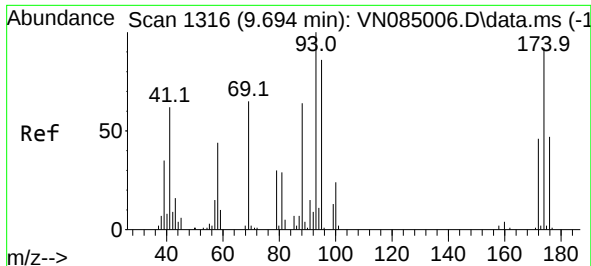
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 51.5 46.2 69.4





#49

1,4-Dioxane

Concen: 2.249 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

ClientSampleId :

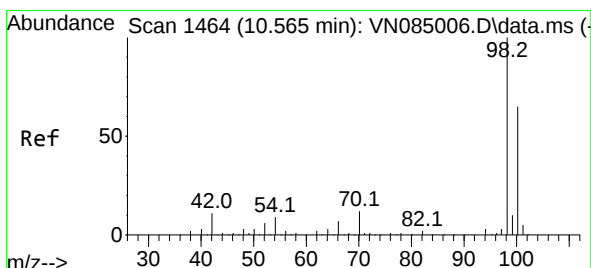
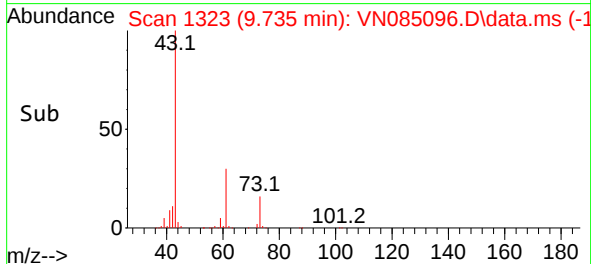
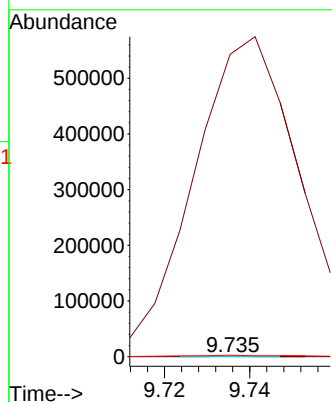
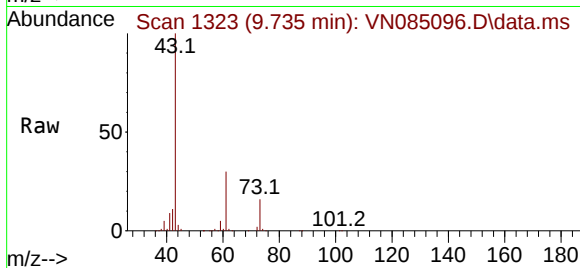
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 1444167.6 16.7 25.1#

58 6633.8 56.5 84.7#



#50

Toluene-d8

Concen: 48.725 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085096.D

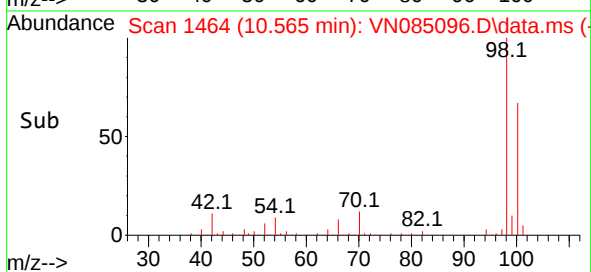
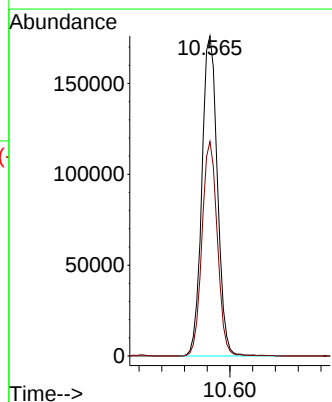
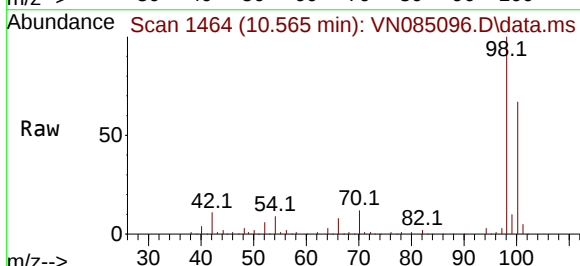
Acq: 04 Dec 2024 16:01

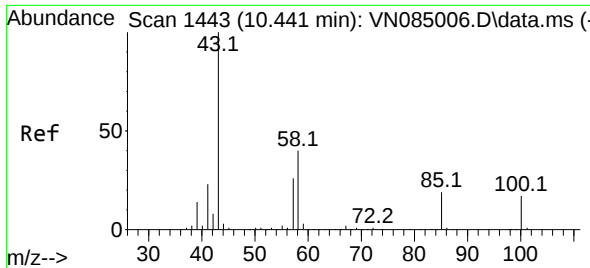
Tgt Ion: 98 Resp: 333904

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7

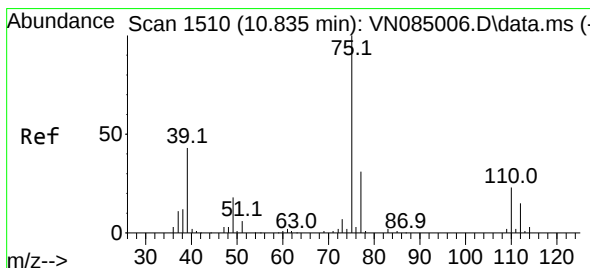
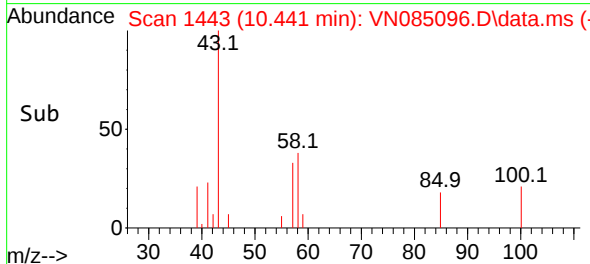
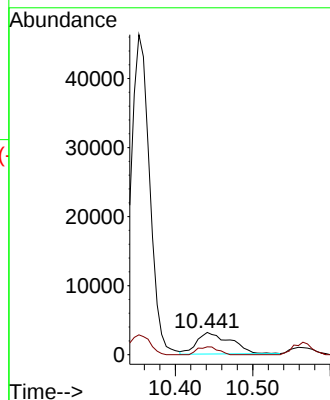
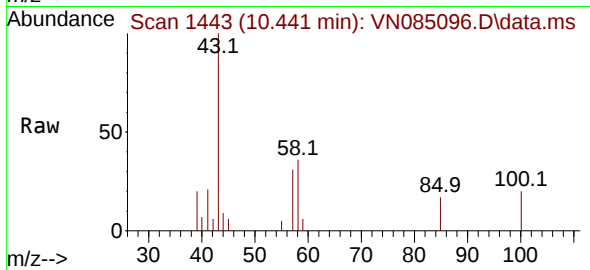




#51
4-Methyl-2-Pentanone
Concen: 4.248 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

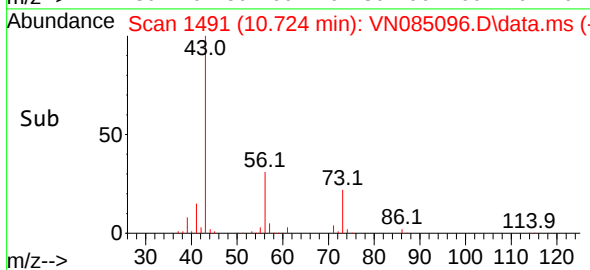
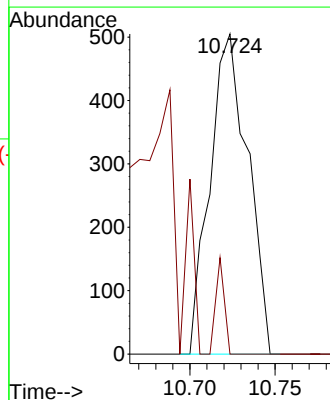
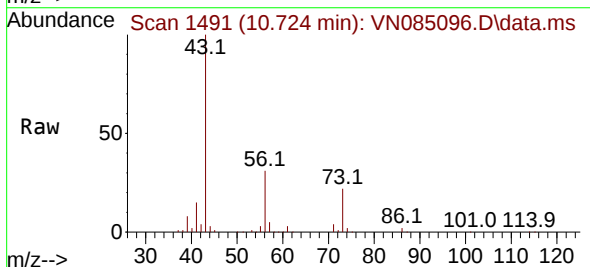
Instrument :
MSVOA_N
ClientSampleId :

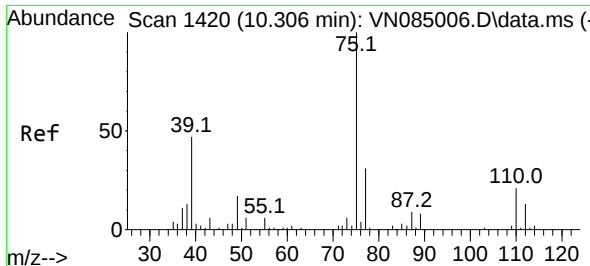
Tgt Ion: 43 Resp: 9489
Ion Ratio Lower Upper
43 100
58 22.2 32.1 48.1#



#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Tgt Ion: 75 Resp: 781
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#

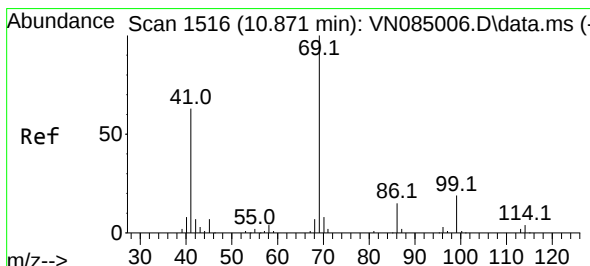
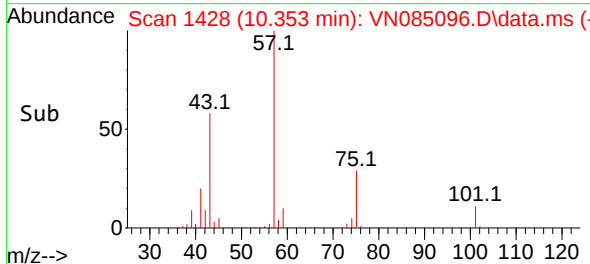
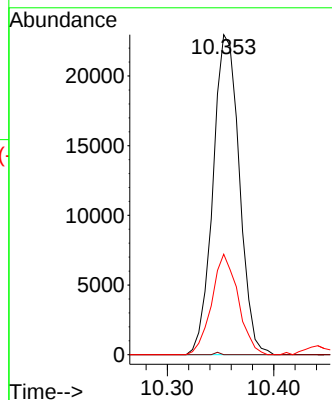
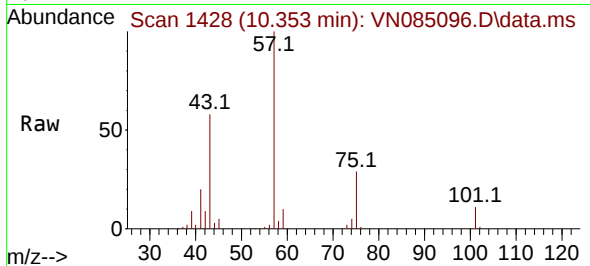




#54
 cis-1,3-Dichloropropene
 Concen: 12.480 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085096.D
 Acq: 04 Dec 2024 16:01

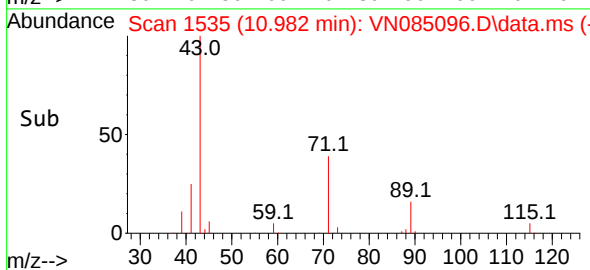
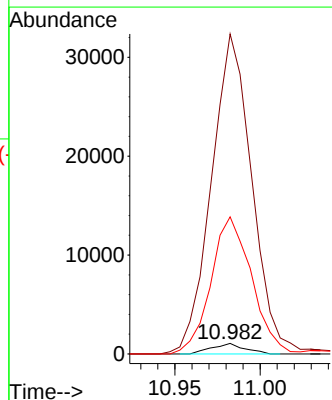
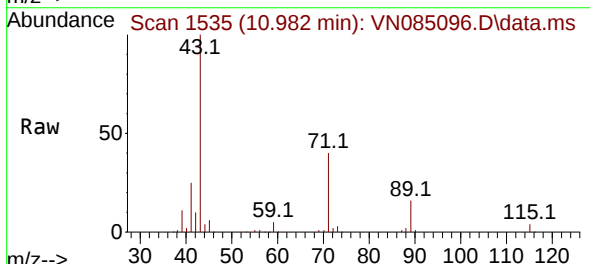
Instrument :
 MSVOA_N
 ClientSampleId :

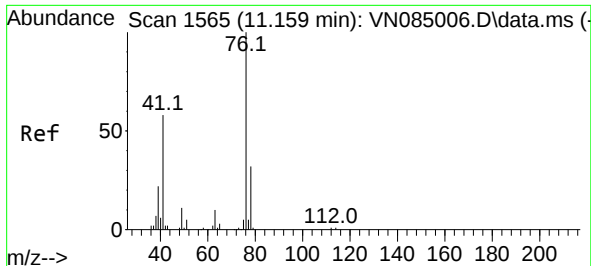
Tgt Ion: 75 Resp: 39441
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 31.4 37.6 56.4#



#56
 Ethyl methacrylate
 Concen: 0.544 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN085096.D
 Acq: 04 Dec 2024 16:01

Tgt Ion: 69 Resp: 1437
 Ion Ratio Lower Upper
 69 100
 41 3752.3 50.0 75.0#
 39 1607.5 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.837 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085096.D

Acq: 04 Dec 2024 16:01

Instrument :

MSVOA_N

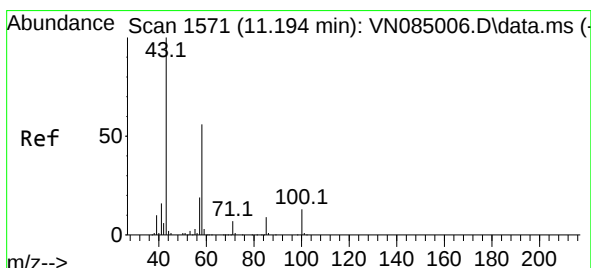
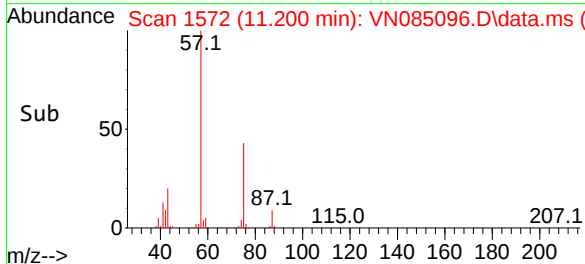
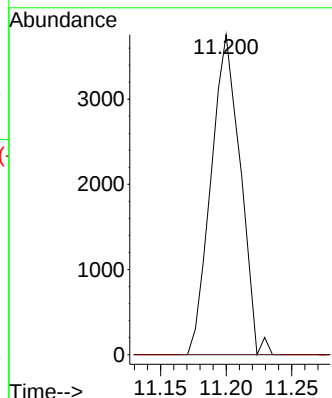
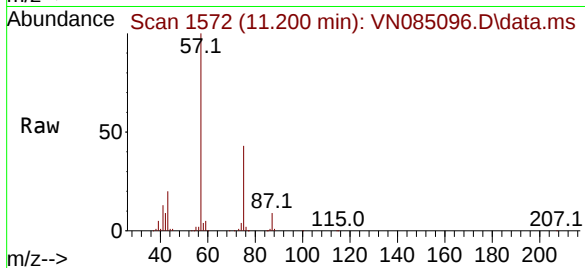
ClientSampleId :

Tgt Ion: 76 Resp: 5841

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.952 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085096.D

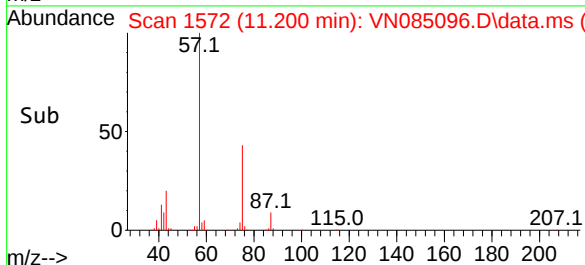
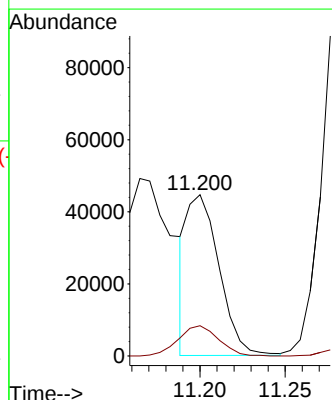
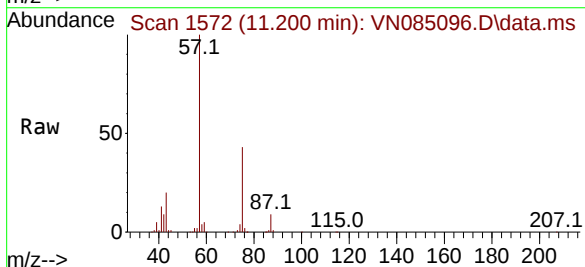
Acq: 04 Dec 2024 16:01

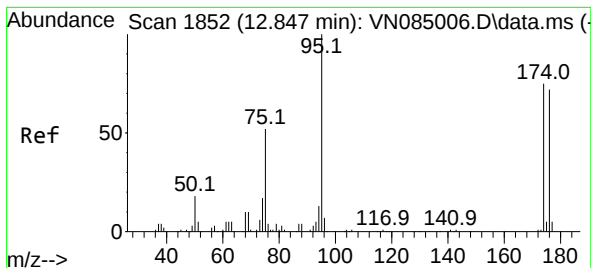
Tgt Ion: 43 Resp: 58397

Ion Ratio Lower Upper

43 100

58 23.7 28.3 85.0#

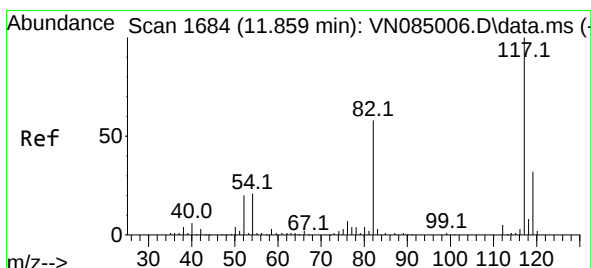
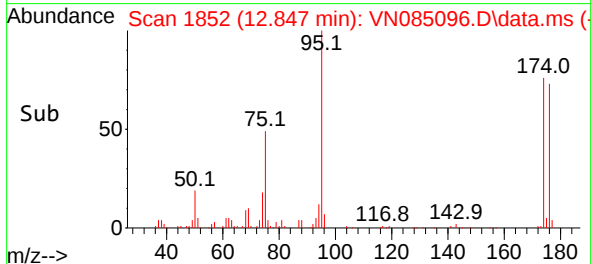
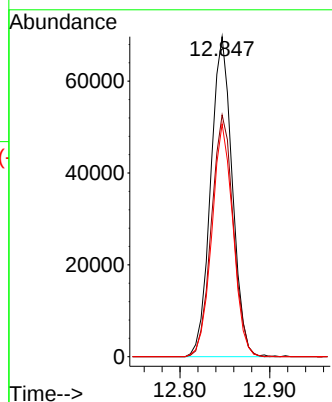
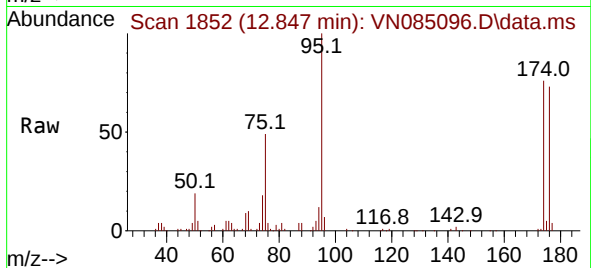




#62
4-Bromofluorobenzene
Concen: 45.298 ug/l
RT: 12.847 min Scan# 116086
Delta R.T. -0.000 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

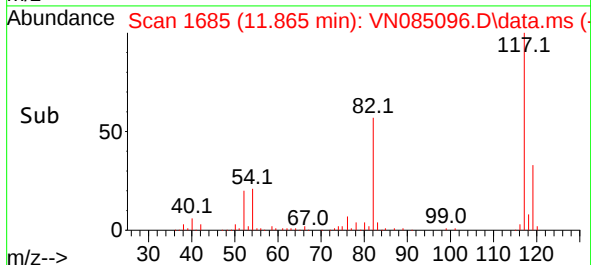
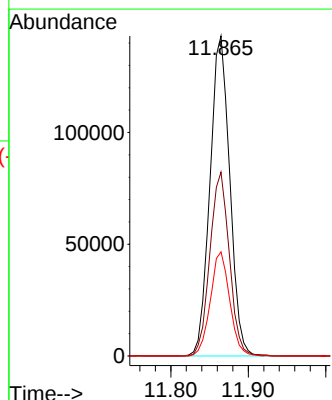
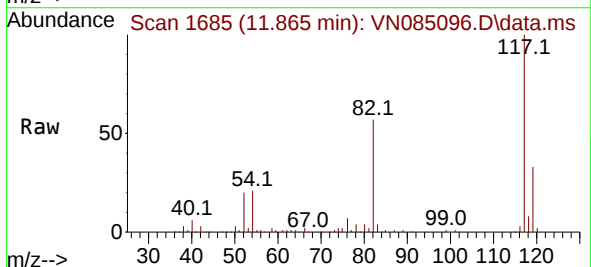
Instrument :
MSVOA_N
ClientSampleId :

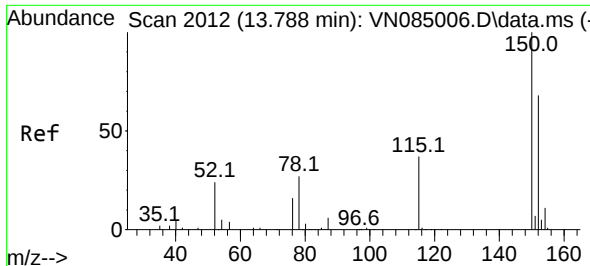
Tgt Ion: 95 Resp: 116086
Ion Ratio Lower Upper
95 100
174 76.9 0.0 146.6
176 71.4 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

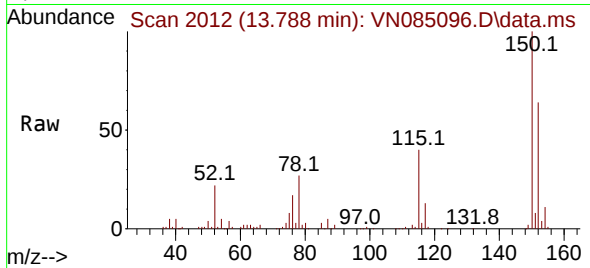
Tgt Ion: 117 Resp: 254079
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.6 25.6 38.4



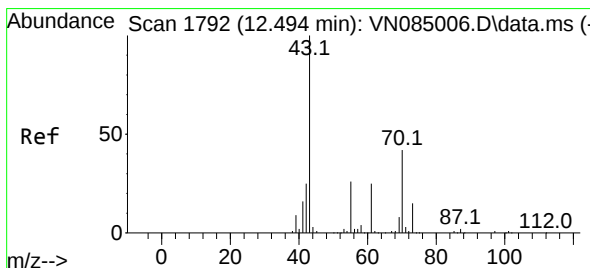
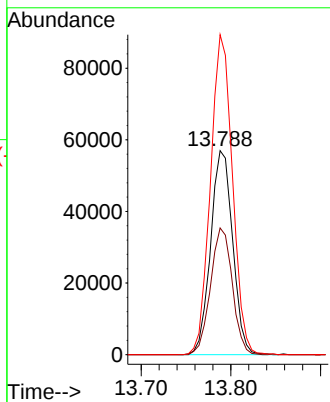
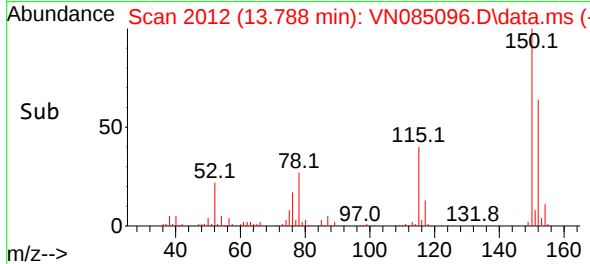


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085096.D
 Acq: 04 Dec 2024 16:01

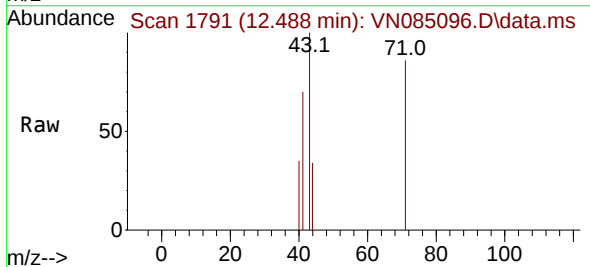
Instrument :
 MSVOA_N
 ClientSampleId :



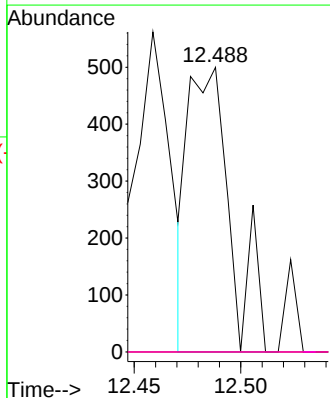
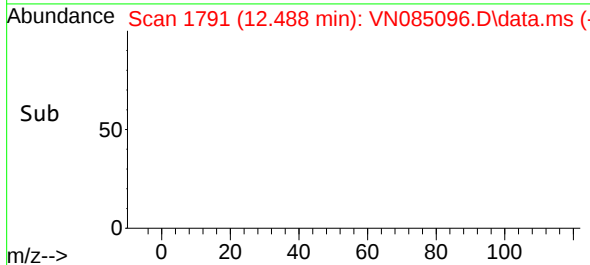
Tgt Ion:152 Resp: 97320
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.7 95.1
 150 156.2 0.0 351.4

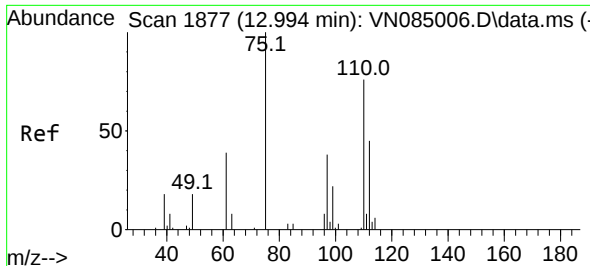


#74
 N-ethyl acetate
 Concen: 0.245 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN085096.D
 Acq: 04 Dec 2024 16:01



Tgt Ion: 43 Resp: 693
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.6 51.8#
 55 0.0 20.5 30.7#
 61 0.0 19.6 29.4#

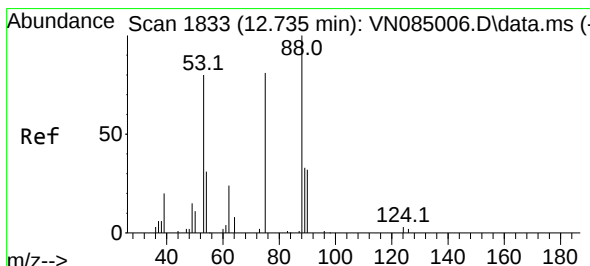
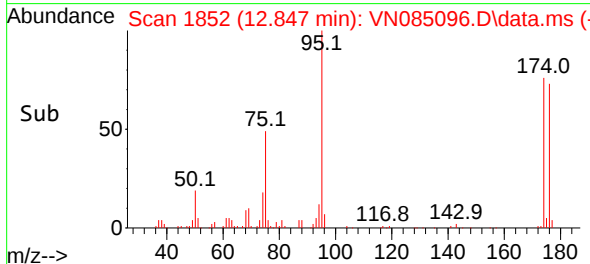
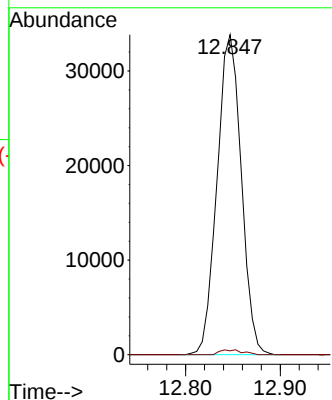
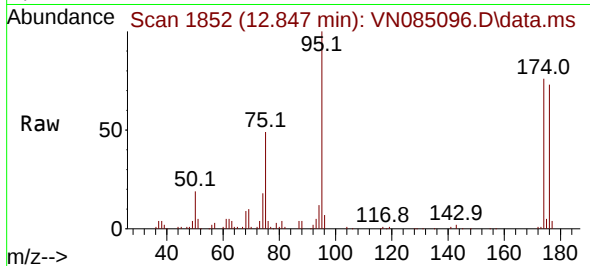




#76
1,2,3-Trichloropropane
Concen: 33.958 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 60111
Ion Ratio Lower Upper
75 100
77 1.4 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.964 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085096.D
Acq: 04 Dec 2024 16:01

Tgt Ion: 75 Resp: 60111
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#

