

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
 Data File : VN085944.D
 Acq On : 11 Mar 2025 20:17
 Operator : JC\MD
 Sample : Q1534-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-636-COMP-17

Quant Time: Mar 12 01:29:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122786	60.133	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.260%	
35) Dibromofluoromethane	8.165	113	103544	50.914	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.820%	
50) Toluene-d8	10.565	98	371549	50.214	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.420%	
62) 4-Bromofluorobenzene	12.847	95	117094	48.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.060%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	261	1.039	ug/l #	72
16) Acetone	4.430	43	47093	72.888	ug/l	96
18) Methyl Acetate	5.030	43	3551	1.598	ug/l #	75
20) Methylene Chloride	5.277	84	6943	3.342	ug/l	88
25) 2-Butanone	7.488	43	4732	4.978	ug/l	92
29) Tetrahydrofuran	7.847	42	133	0.217	ug/l #	59
30) Chloroform	7.959	83	883	0.243	ug/l #	18
31) Cyclohexane	8.218	56	3078	1.055	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13133	4.563	ug/l #	49
37) Ethyl Acetate	7.565	43	917	0.387	ug/l #	66
38) Carbon Tetrachloride	8.224	117	17180	5.023	ug/l #	17
43) Isopropyl Acetate	8.688	43	61157	14.322	ug/l #	76
48) Methyl methacrylate	9.659	41	1080	0.614	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6729	2.947	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	19199	5.635	ug/l #	68
56) Ethyl methacrylate	10.976	69	1140	0.871	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1031	0.287	ug/l #	42
59) 2-Hexanone	11.170	43	49114	31.262	ug/l #	21
74) N-amyl acetate	12.464	43	1253	0.470	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	60594	24.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60594	72.082	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-17

Abundance

TIC: VN085944.D\data.ms

Time-->

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Acetone, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

2-Butanone, T

Tetrahydrofuran, T

Chloroform, T

Dibromofluoromethane, T

1,2-Dichloroethane-d4, S

Isopropyl Acetate, T

Methyl methacrylate, T

4-Methyl-2-Pentanone, T

cis-1,3-Dichloropropene, T

Ethyl methacrylate, T

2-Hexanone, T

1,3-Dichloropropane, T

N-amyl acetate, T

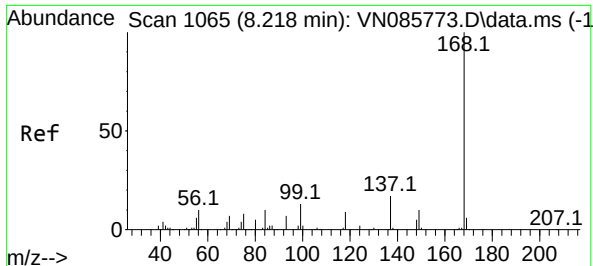
1,2-Dichloropropane, S

1,3-Dichloropropane, S

1,4-Difluorobenzene, I

Chlorobenzene-d5, I

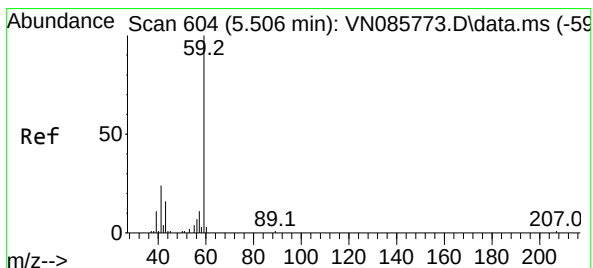
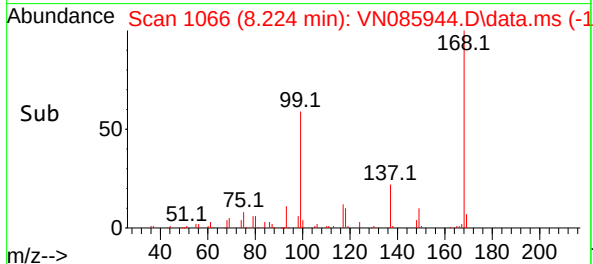
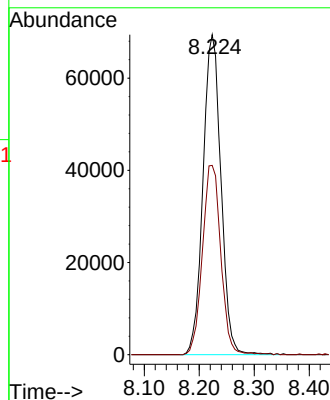
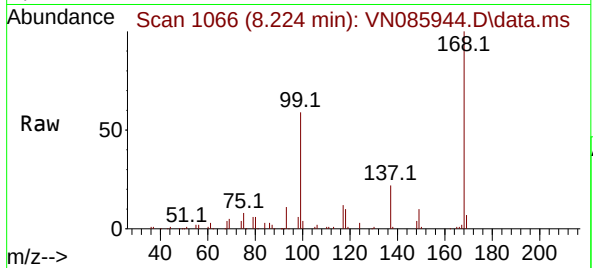
1,4-Dichlorobenzene-d4, I



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

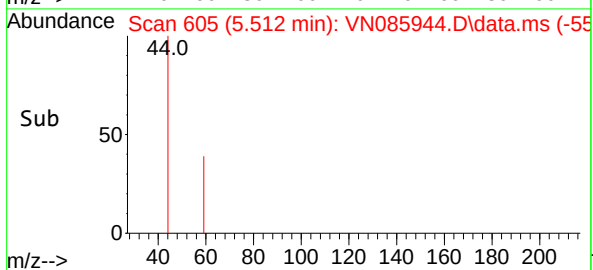
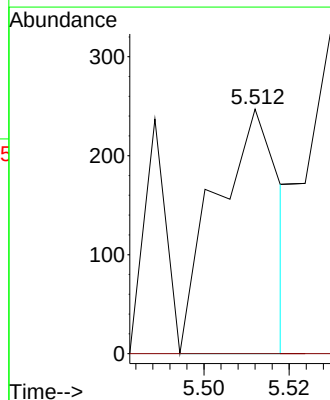
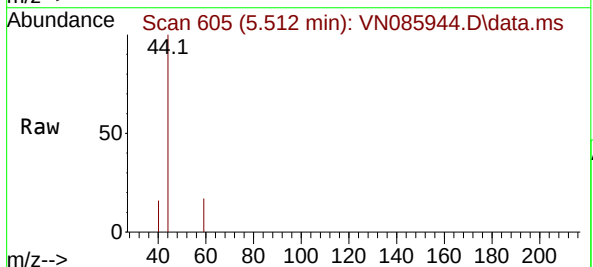
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-17

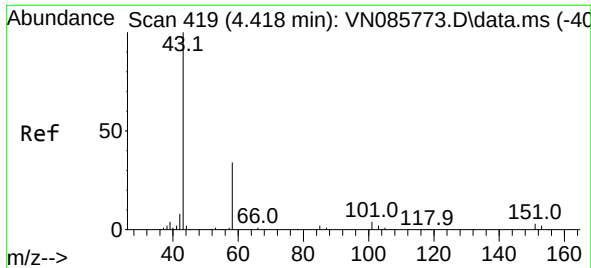
Tgt Ion:168 Resp: 157499
Ion Ratio Lower Upper
168 100
99 59.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.039 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 59 Resp: 261
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

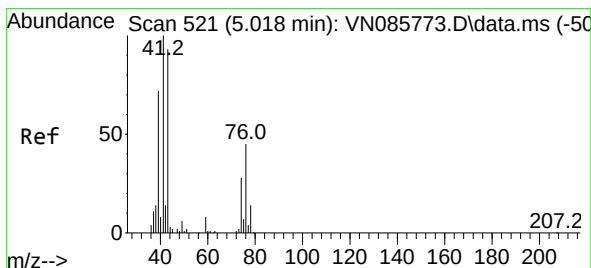
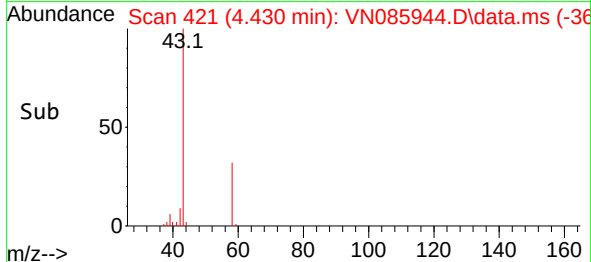
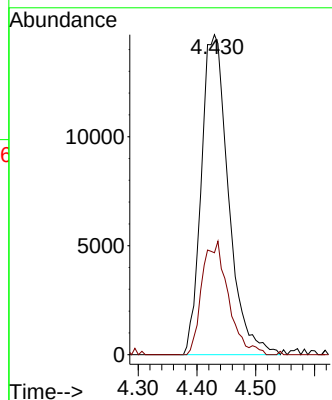
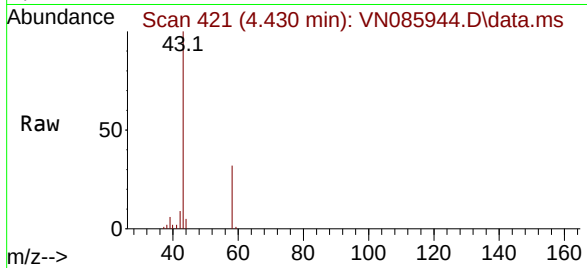




#16
Acetone
Concen: 72.888 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

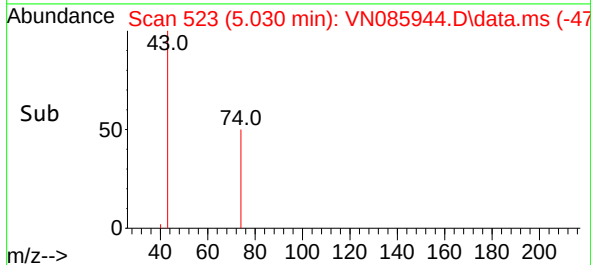
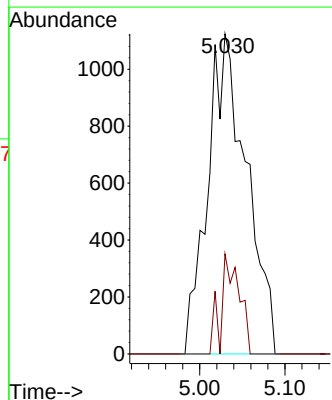
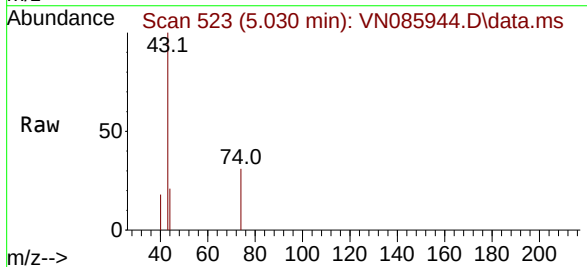
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-17

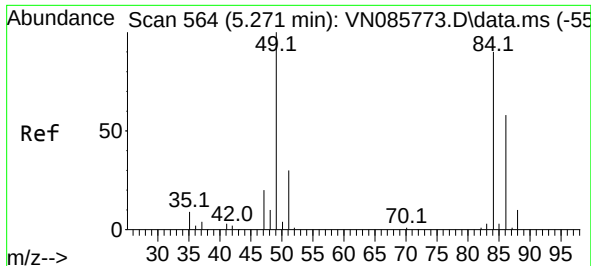
Tgt Ion: 43 Resp: 47093
Ion Ratio Lower Upper
43 100
58 31.9 27.5 41.3



#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 43 Resp: 3551
Ion Ratio Lower Upper
43 100
74 14.8 22.2 33.4#

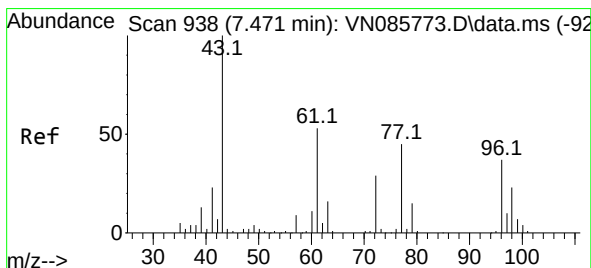
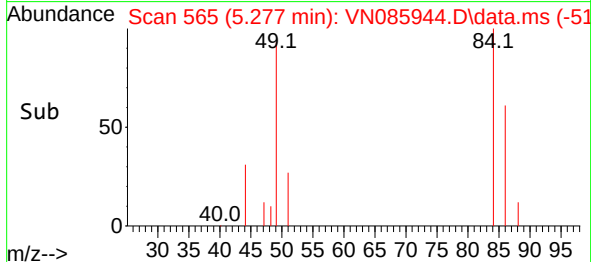
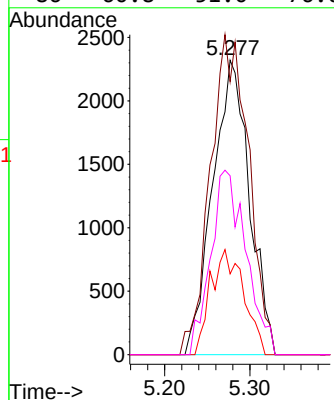
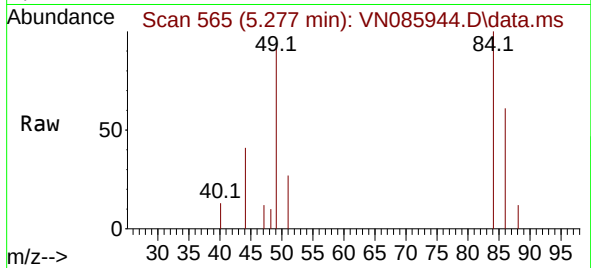




#20
Methylene Chloride
Concen: 3.342 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

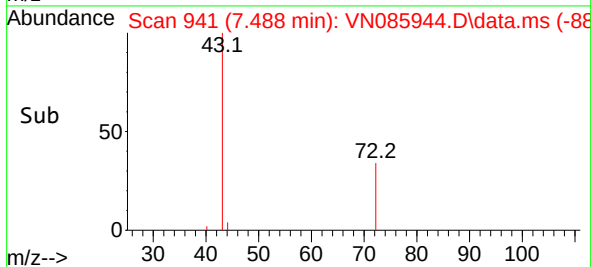
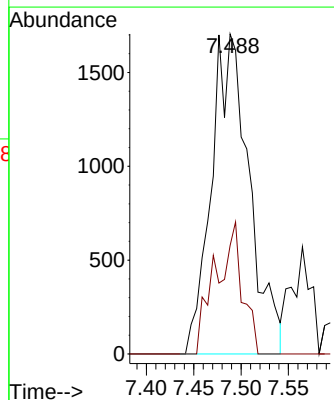
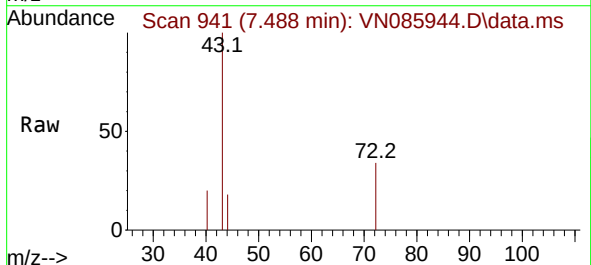
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-17

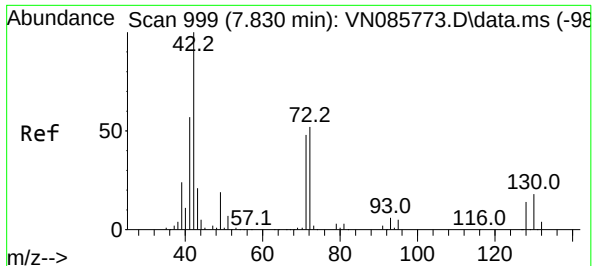
Tgt Ion: 84	Resp: 6943
Ion Ratio	Lower Upper
84 100	
49 92.8	88.4 132.6
51 27.4	26.6 40.0
86 60.8	51.0 76.6



#25
2-Butanone
Concen: 4.978 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 43	Resp: 4732
Ion Ratio	Lower Upper
43 100	
72 33.9	23.6 35.4





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085944.D

Acq: 11 Mar 2025 20:17

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-17

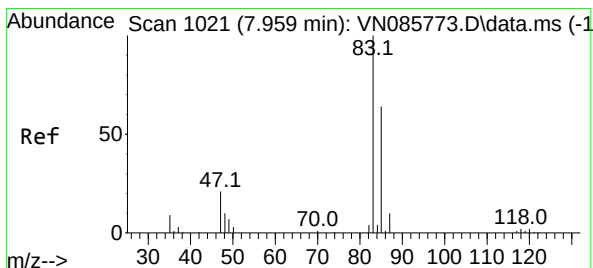
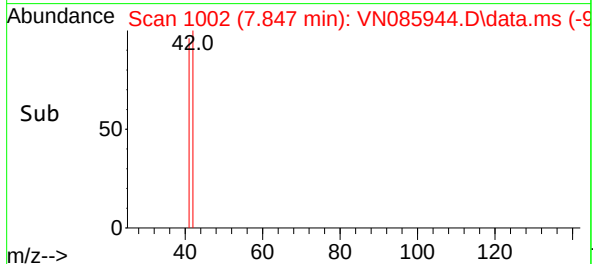
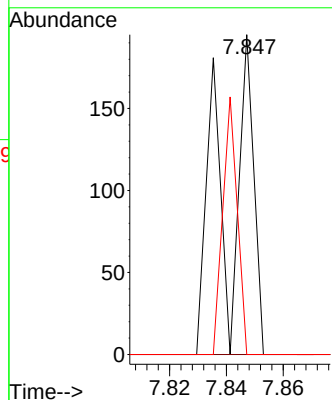
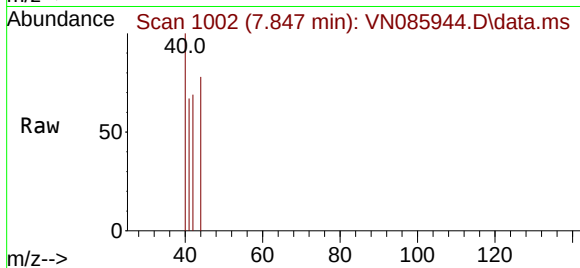
Tgt Ion: 42 Resp: 133

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 41.4 37.0 55.4



#30

Chloroform

Concen: 0.243 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085944.D

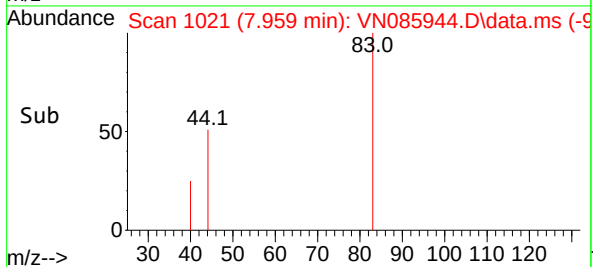
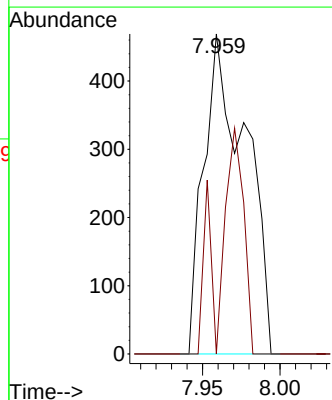
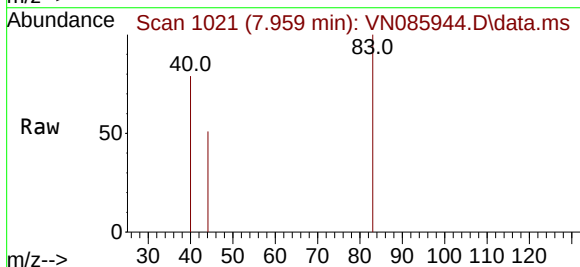
Acq: 11 Mar 2025 20:17

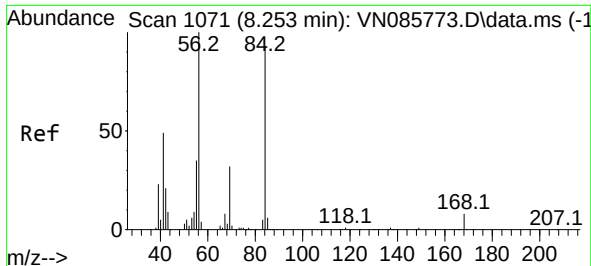
Tgt Ion: 83 Resp: 883

Ion Ratio Lower Upper

83 100

85 0.0 50.9 76.3#

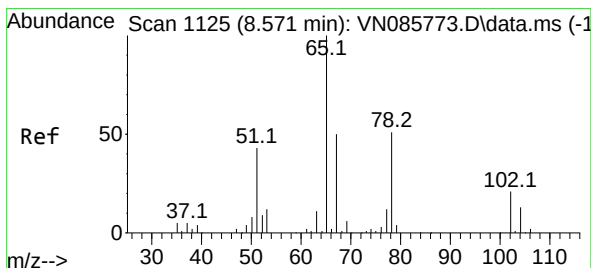
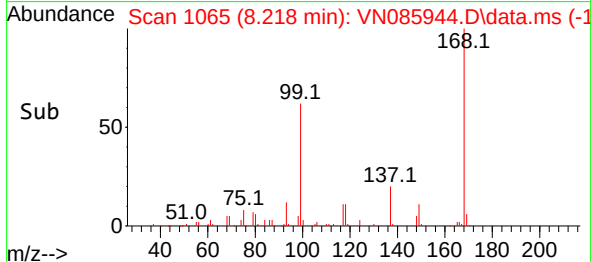
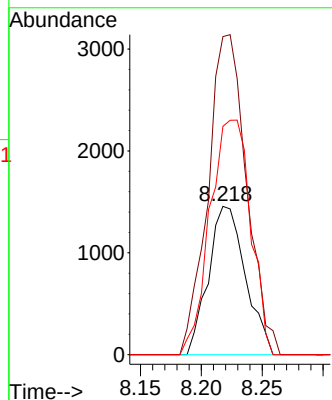
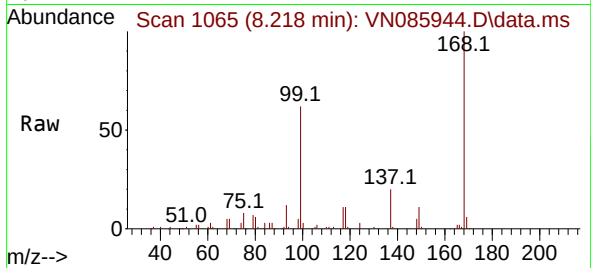




#31
Cyclohexane
Concen: 1.055 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

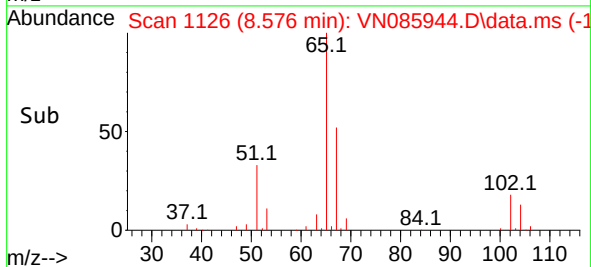
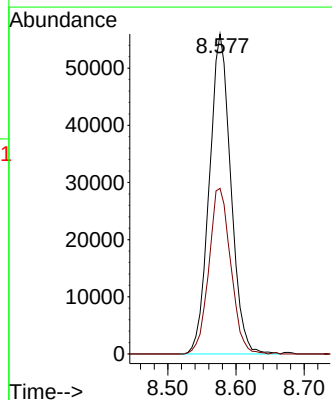
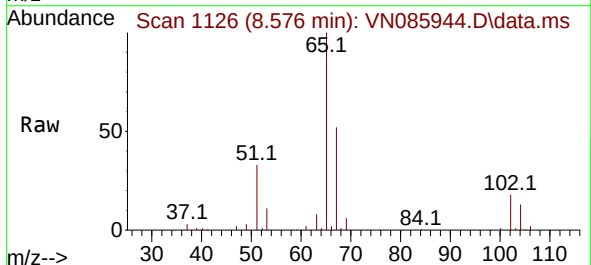
Instrument :
MSVOA_N
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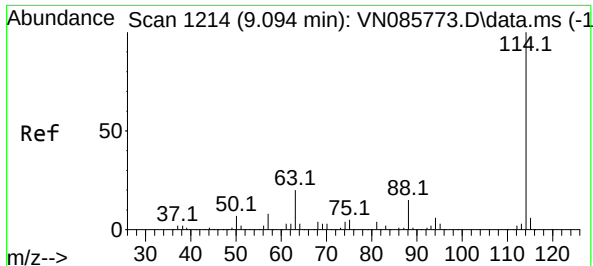
Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 214.4 25.8 38.6#
84 153.9 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.133 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 65 Resp: 122786
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085944.D

Acq: 11 Mar 2025 20:17

Instrument :

MSVOA_N

ClientSampleId :

OR-636-COMP-17

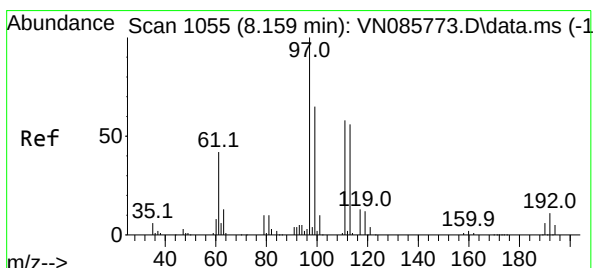
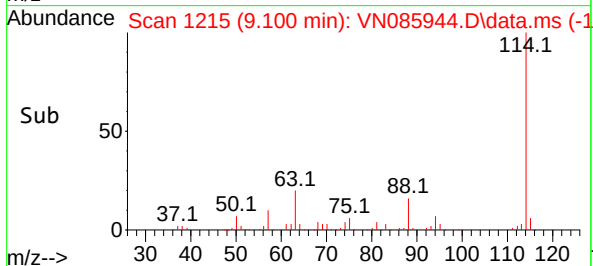
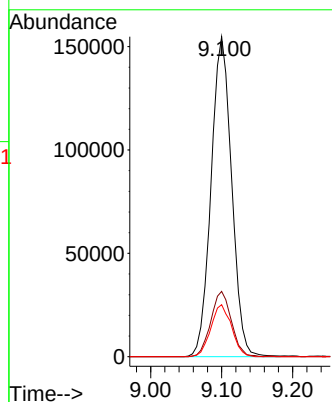
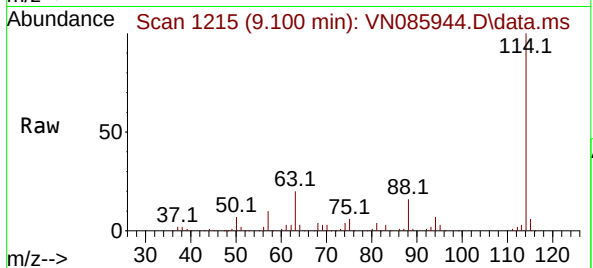
Tgt Ion:114 Resp: 310797

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

88 16.2 0.0 30.0



#35

Dibromofluoromethane

Concen: 50.914 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085944.D

Acq: 11 Mar 2025 20:17

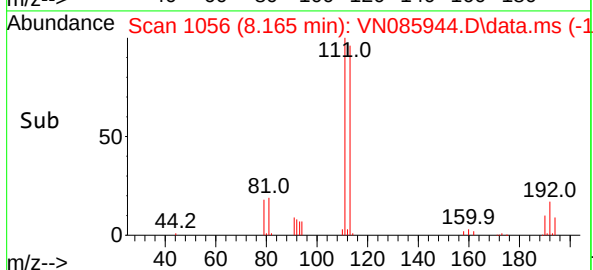
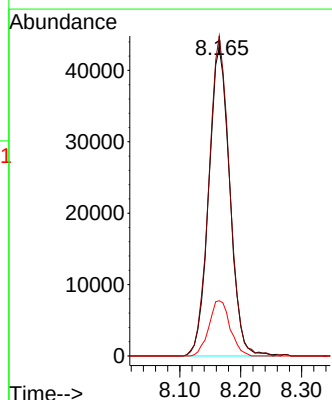
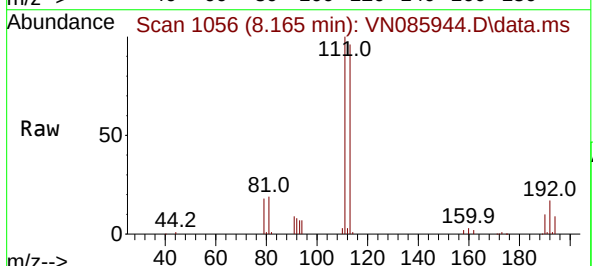
Tgt Ion:113 Resp: 103544

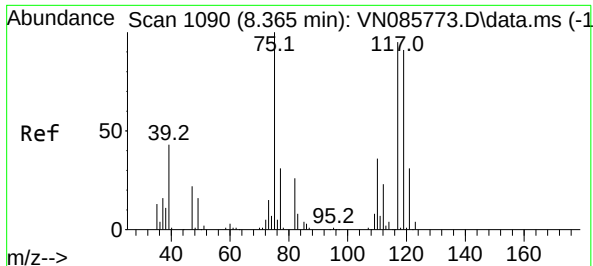
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.4

192 18.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085944.D

Acq: 11 Mar 2025 20:17

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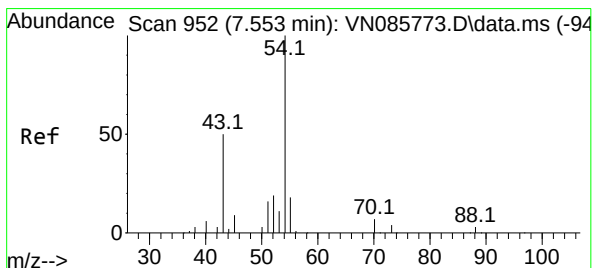
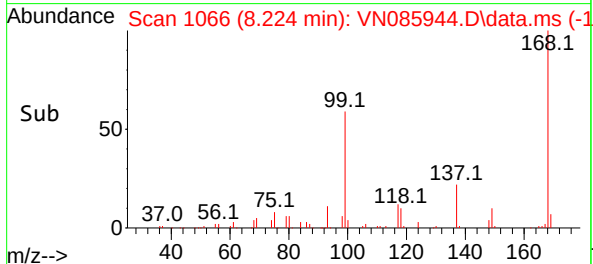
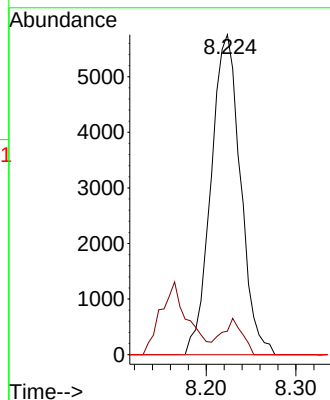
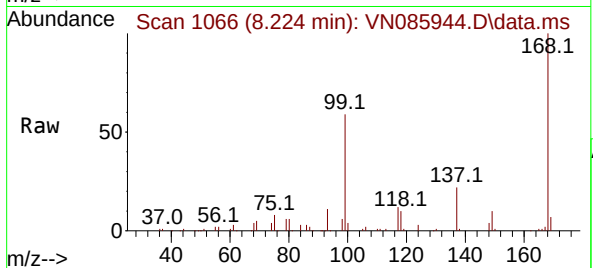
Tgt Ion: 75 Resp: 13133

Ion Ratio Lower Upper

75 100

110 7.7 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.387 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085944.D

Acq: 11 Mar 2025 20:17

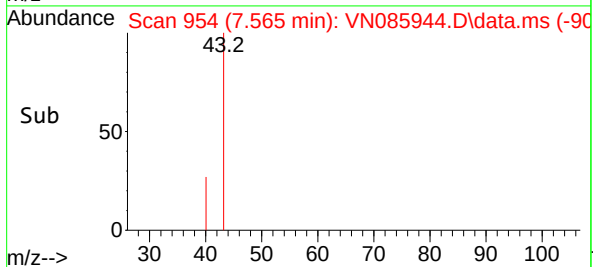
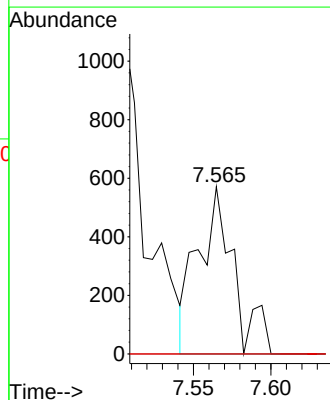
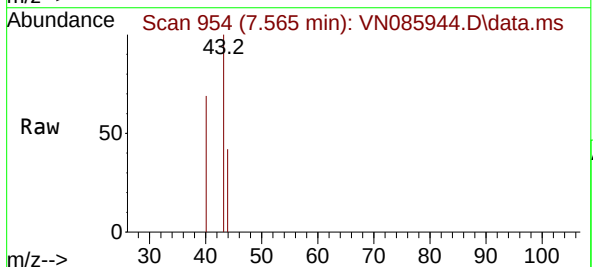
Tgt Ion: 43 Resp: 917

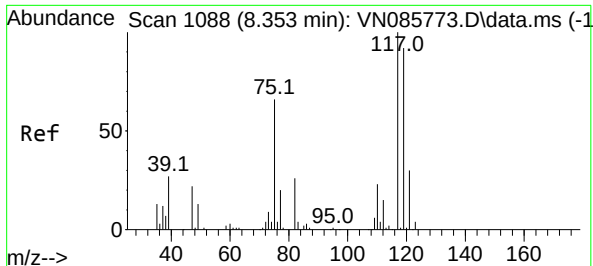
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

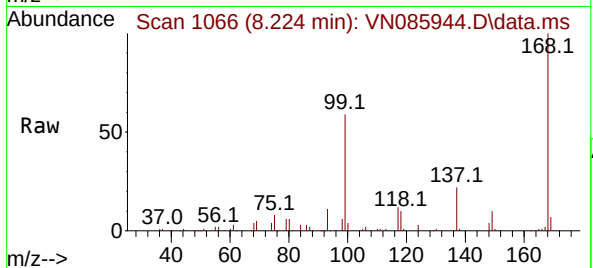
70 0.0 9.5 14.3#



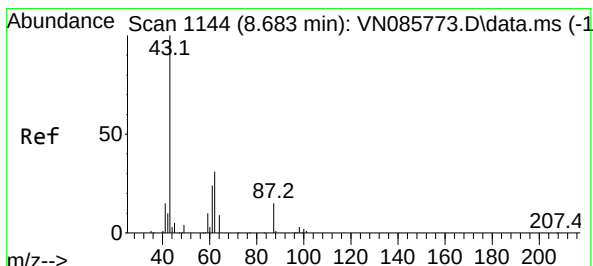
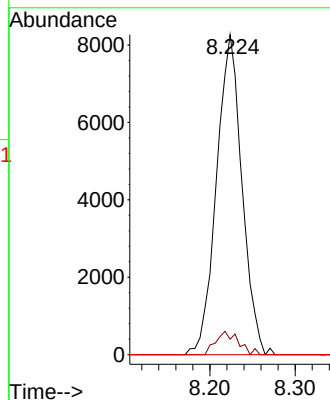
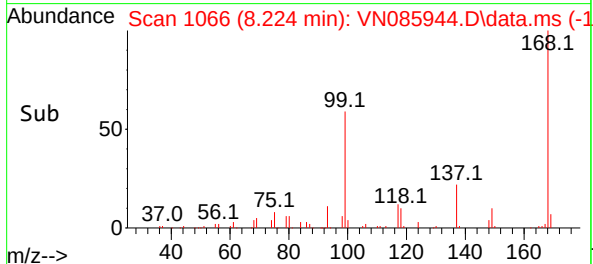


#38
Carbon Tetrachloride
Concen: 5.023 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

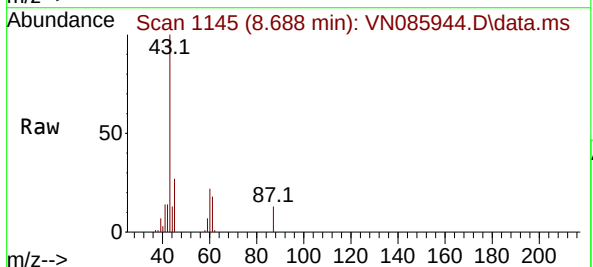
Instrument :
MSVOA_N
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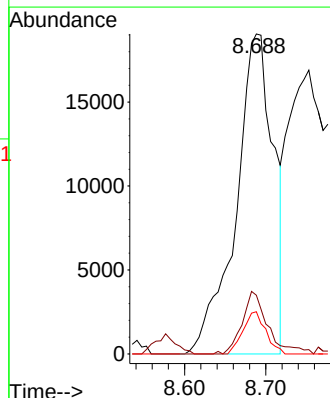
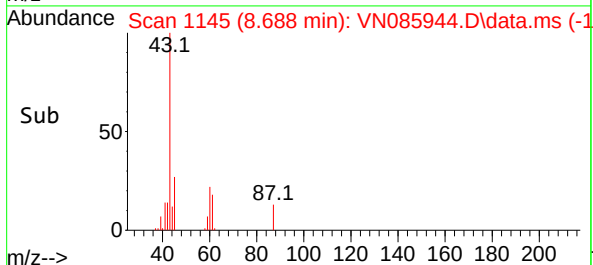
Tgt Ion:117 Resp: 17180
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.6#
121 0.0 24.3 36.5#

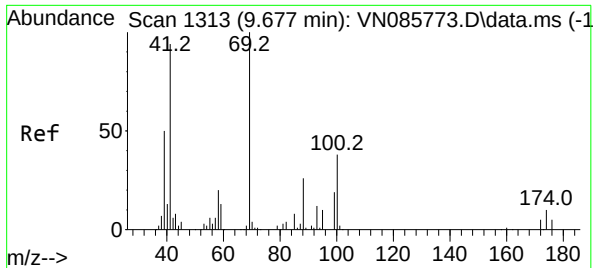


#43
Isopropyl Acetate
Concen: 14.322 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17



Tgt Ion: 43 Resp: 61157
Ion Ratio Lower Upper
43 100
61 13.4 22.6 34.0#
87 8.0 11.8 17.8#

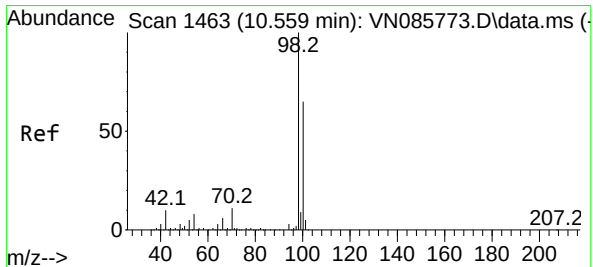
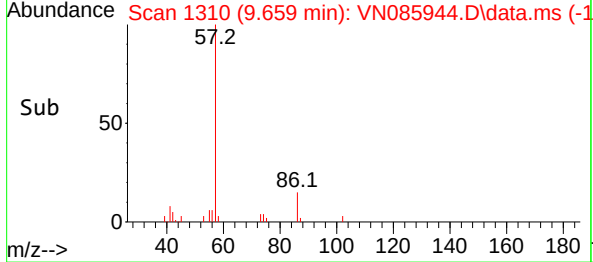
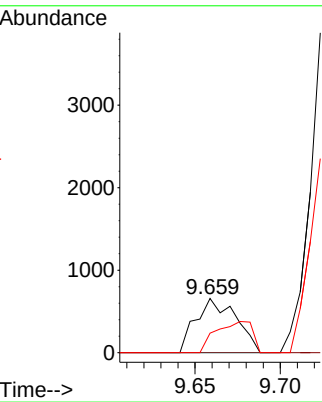
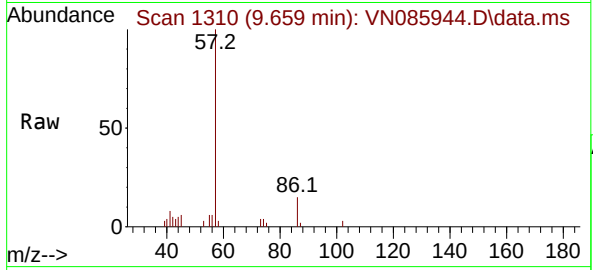




#48
Methyl methacrylate
Concen: 0.614 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

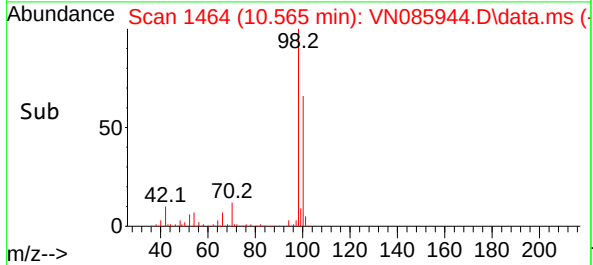
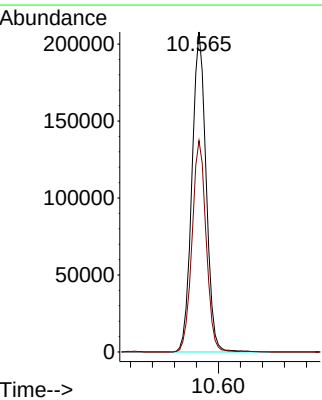
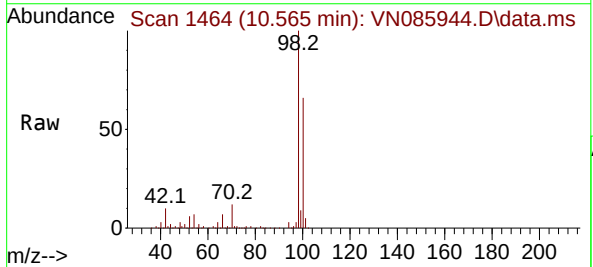
Instrument :
MSVOA_N
ClientSampleId :
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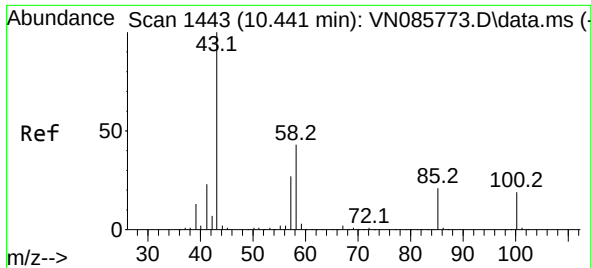
Tgt Ion: 41 Resp: 1080
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 51.9 42.3 63.5



#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 98 Resp: 371549
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

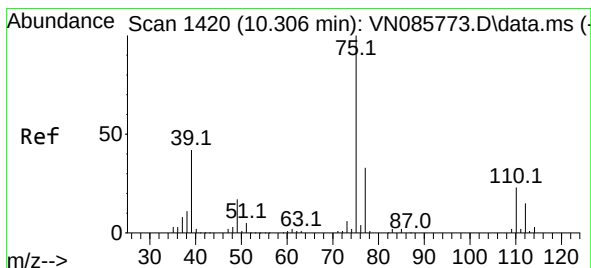
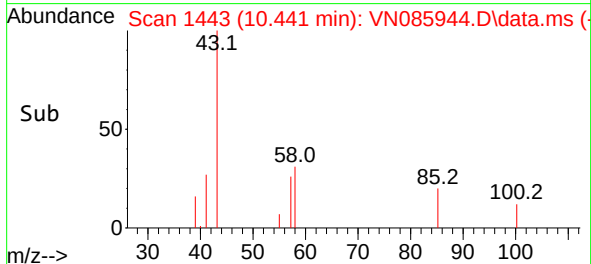
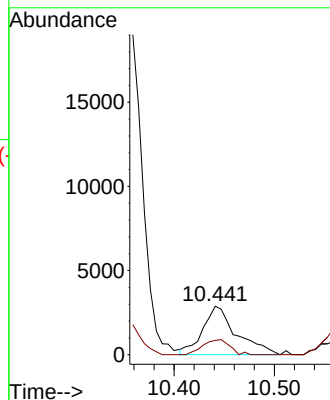
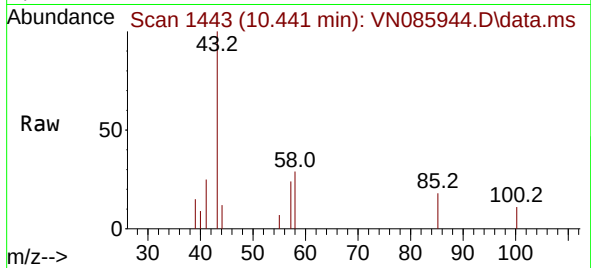




#51
4-Methyl-2-Pentanone
Concen: 2.947 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

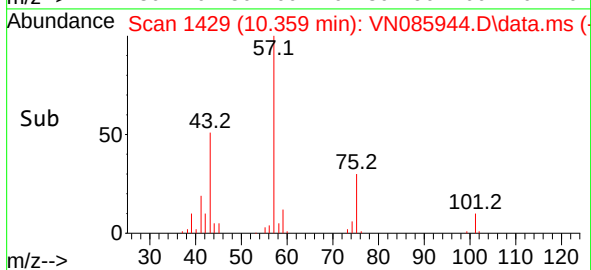
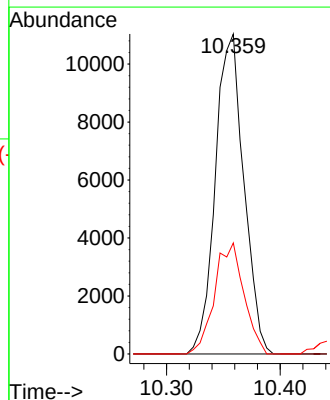
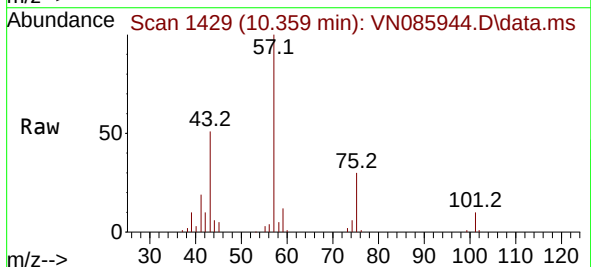
Instrument :
MSVOA_N
ClientSampleId :
OR-636-COMP-17

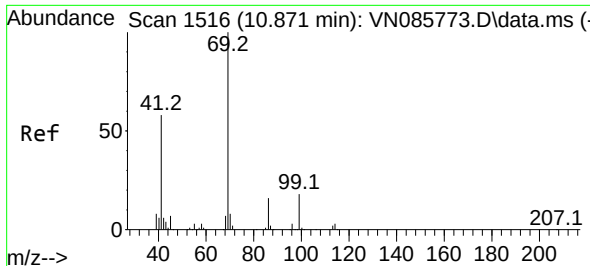
Tgt Ion: 43 Resp: 6729
Ion Ratio Lower Upper
43 100
58 24.8 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 5.635 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 75 Resp: 19199
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.7 33.4 50.0

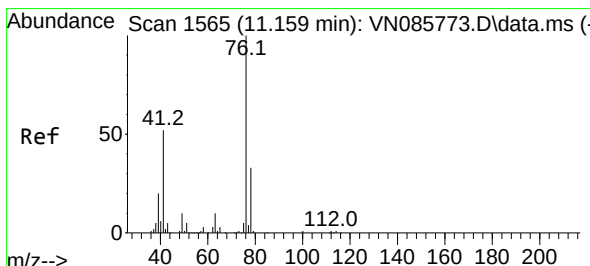
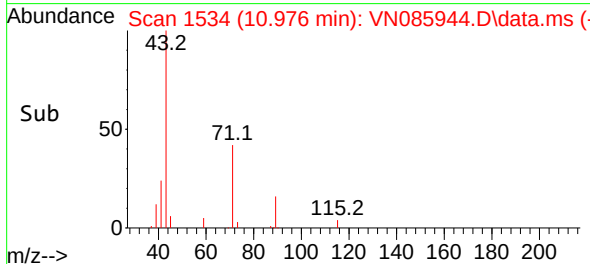
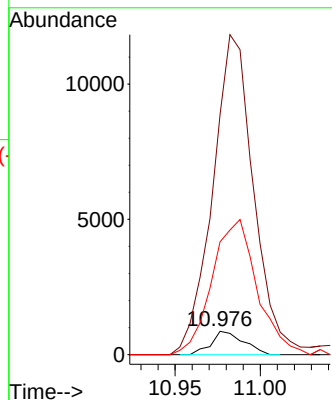
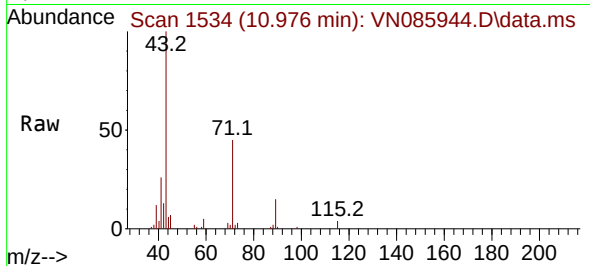




#56
Ethyl methacrylate
Concen: 0.871 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

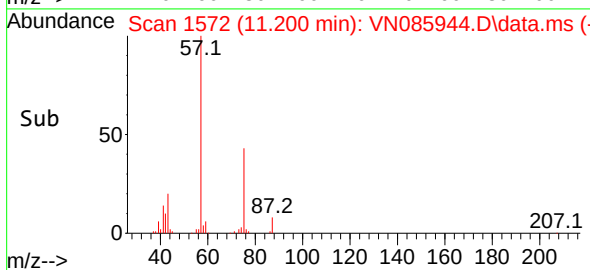
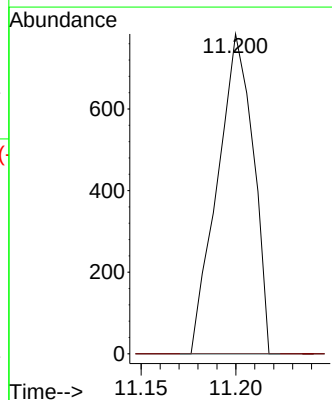
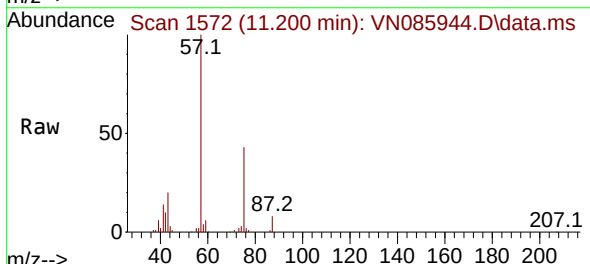
Instrument :
MSVOA_N
ClientSampleId :
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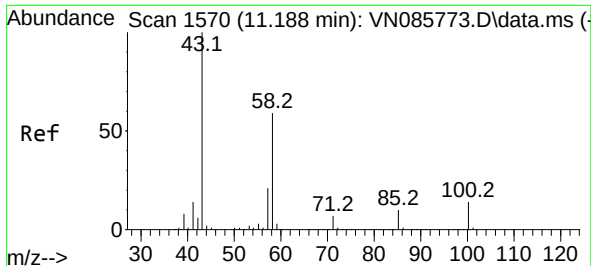
Tgt Ion: 69 Resp: 1140
Ion Ratio Lower Upper
69 100
41 1743.0 46.0 69.0#
39 810.4 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 0.287 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 76 Resp: 1031
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

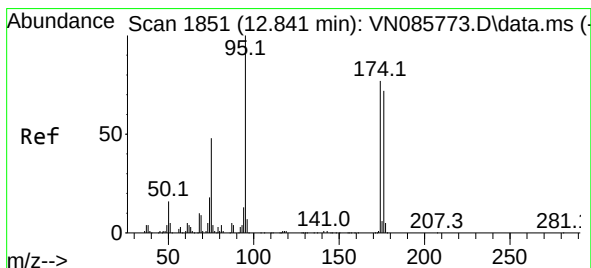
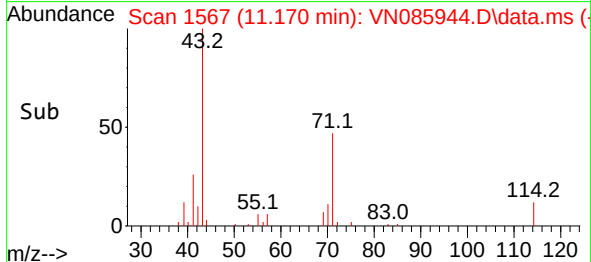
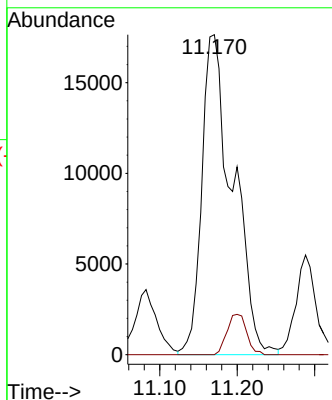
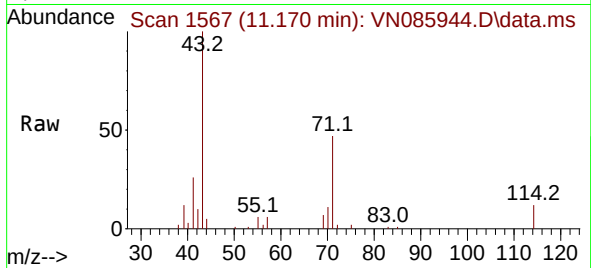




#59
2-Hexanone
Concen: 31.262 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

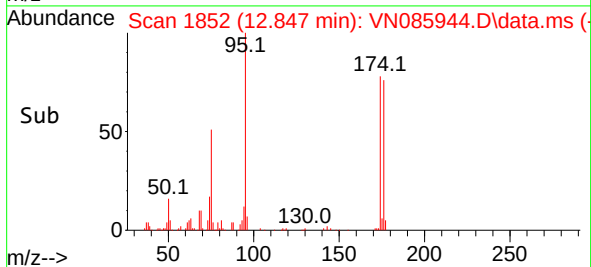
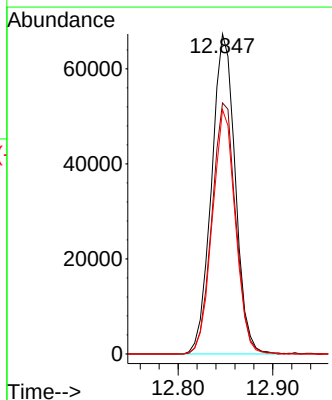
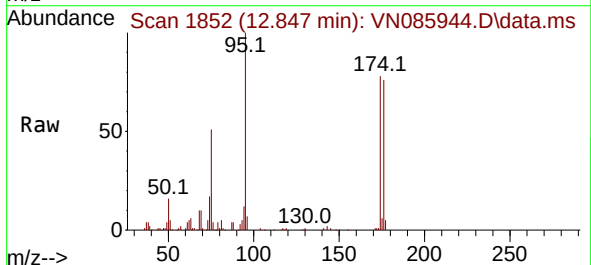
Instrument :
MSVOA_N
ClientSampleId :
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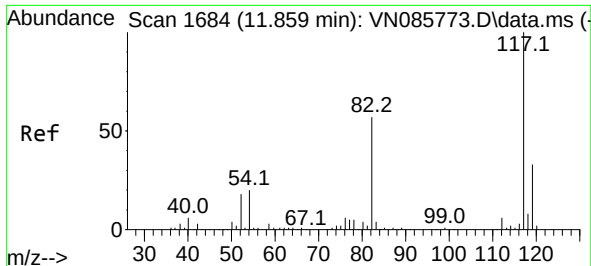
Tgt Ion: 43 Resp: 49114
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.031 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 95 Resp: 117094
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.4
176 74.3 0.0 146.6

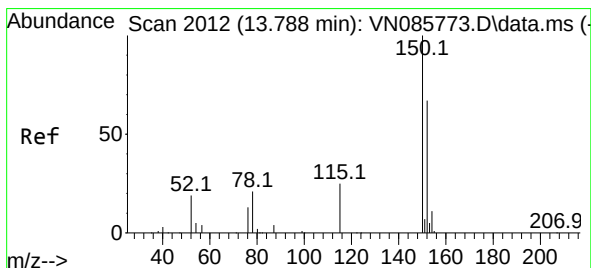
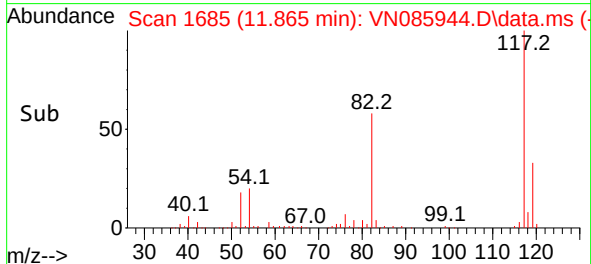
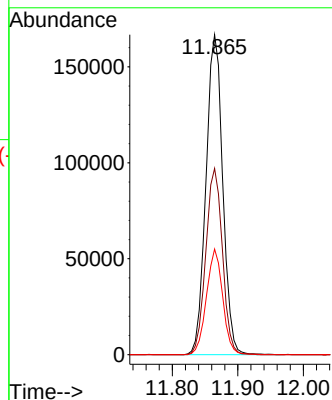
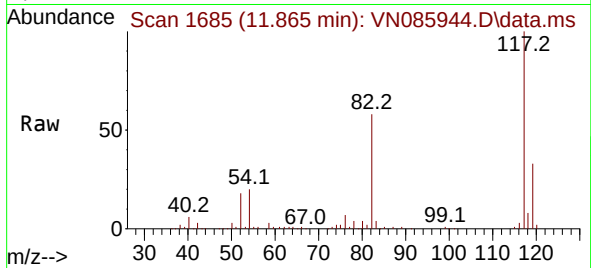




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

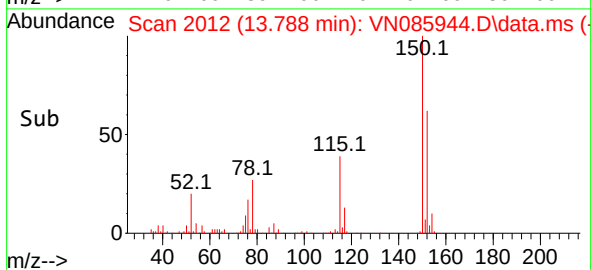
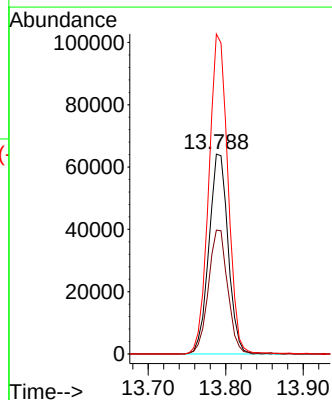
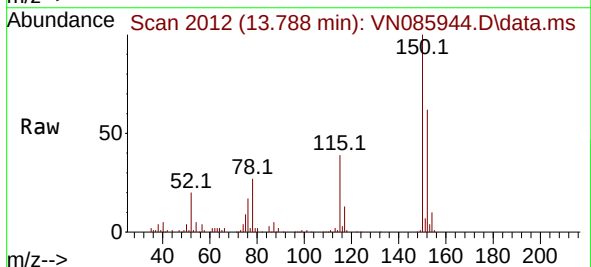
Instrument :
MSVOA_N
ClientSampleId :
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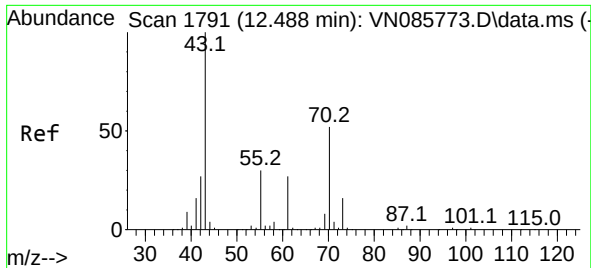
Tgt Ion:117 Resp: 296872
Ion Ratio Lower Upper
117 100
82 58.2 45.7 68.5
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion:152 Resp: 110417
Ion Ratio Lower Upper
152 100
115 62.1 30.4 91.3
150 159.0 0.0 345.4

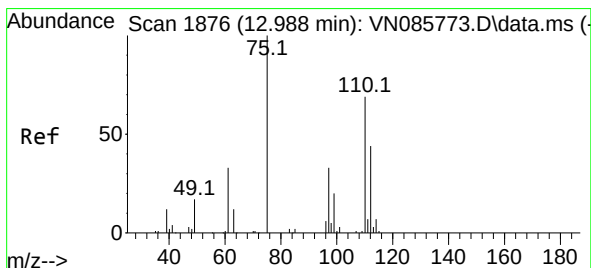
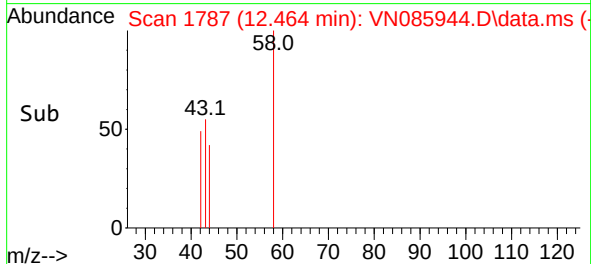
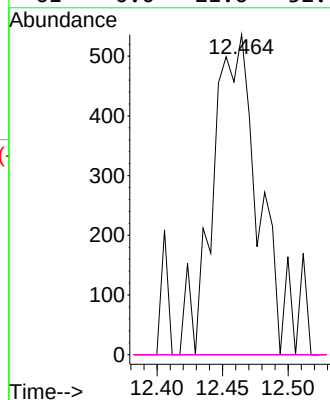
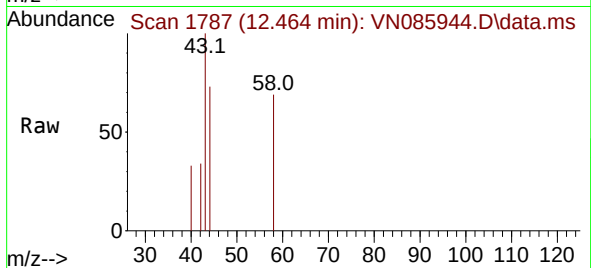




#74
N-amy1 acetate
Concen: 0.470 ug/l
RT: 12.464 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

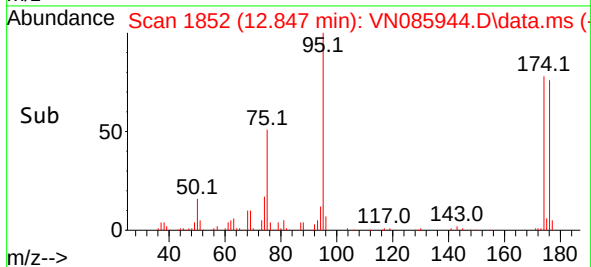
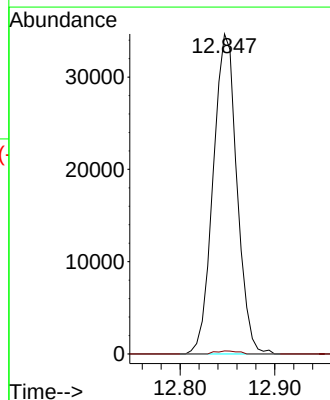
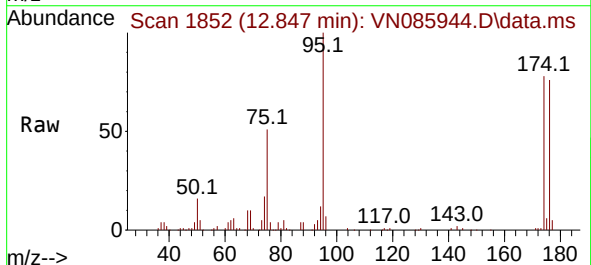
Instrument :
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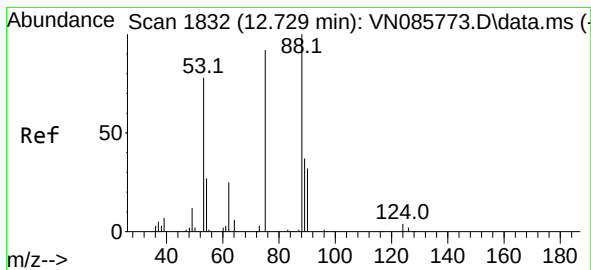
Tgt Ion: 43	Resp:	1253	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.4#
55	0.0	24.6	36.8#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 24.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085944.D
Acq: 11 Mar 2025 20:17

Tgt Ion: 75	Resp:	60594	
Ion	Ratio	Lower	Upper
75	100		
77	0.9	100.0	300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.082 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN085944.D
 Acq: 11 Mar 2025 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-636-COMP-17

Tgt Ion: 75 Resp: 60594
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.9 52.3#

