

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121024\
 Data File : VN085164.D
 Acq On : 10 Dec 2024 14:18
 Operator : JC\MD
 Sample : P5216-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 04:15:28 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

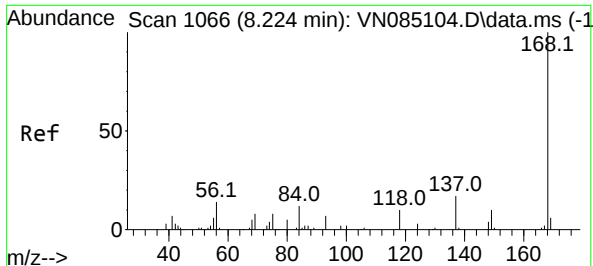
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	125767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98358	54.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.800%	
35) Dibromofluoromethane	8.165	113	80461	50.192	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.380%	
50) Toluene-d8	10.565	98	292130	50.850	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.700%	
62) 4-Bromofluorobenzene	12.847	95	98423	45.812	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	465	0.560	ug/l	92
16) Acetone	4.436	43	15327	29.377	ug/l	97
18) Methyl Acetate	5.024	43	1853	Below Cal	#	73
20) Methylene Chloride	5.265	84	757	0.475	ug/l #	86
25) 2-Butanone	7.483	43	1135	1.331	ug/l	96
31) Cyclohexane	8.224	56	2833	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11384	5.243	ug/l #	49
37) Ethyl Acetate	7.565	43	2635	1.335	ug/l #	77
38) Carbon Tetrachloride	8.224	117	13965	5.572	ug/l #	15
43) Isopropyl Acetate	8.688	43	127141	31.008	ug/l #	82
45) 1,2-Dichloropropane	9.741	63	1144	0.676	ug/l #	45
48) Methyl methacrylate	9.665	41	2537	1.663	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	4333	2.314	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	30511	11.516	ug/l #	67
56) Ethyl methacrylate	10.976	69	1533	0.693	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	4392	1.648	ug/l #	42
59) 2-Hexanone	11.200	43	49650	35.447	ug/l #	55
74) N-amyl acetate	12.465	43	750	0.295	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	52226	32.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52226	72.531	ug/l #	10

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

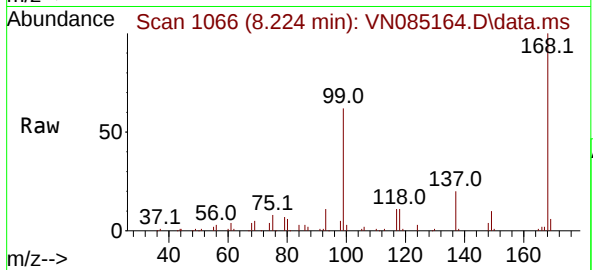
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Response via : Initial Calibration



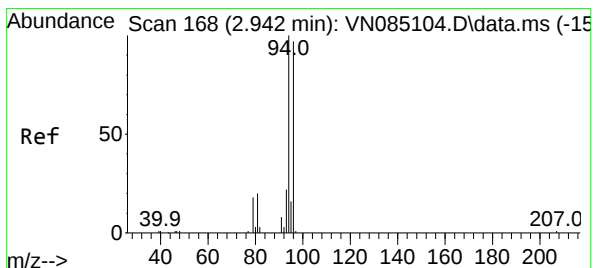
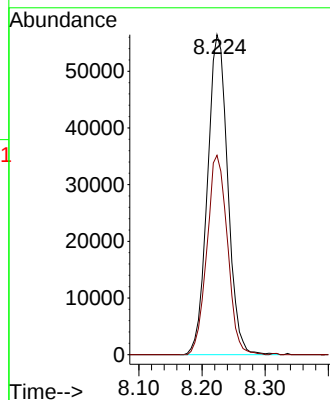
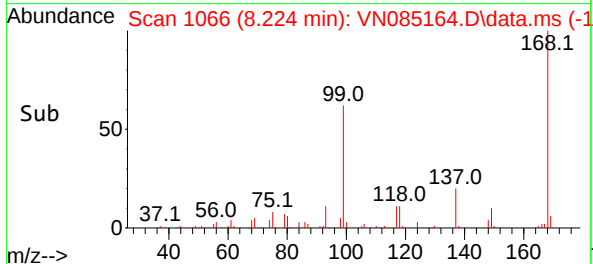


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Instrument :
MSVOA_N
ClientSampleId :

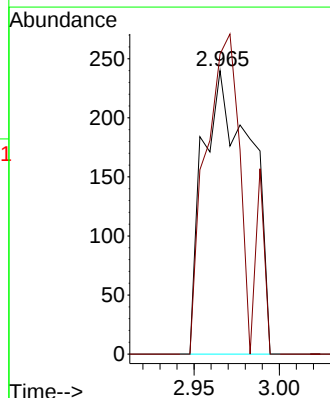
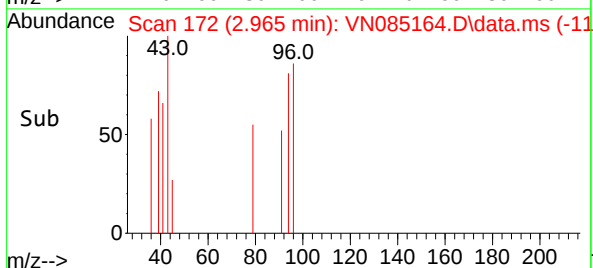
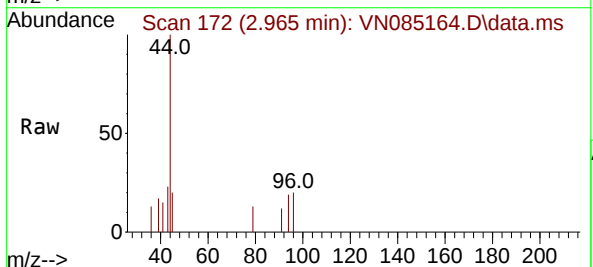


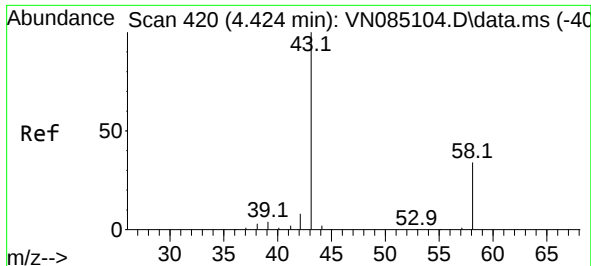
Tgt Ion:168 Resp: 125767
Ion Ratio Lower Upper
168 100
99 62.3 51.2 76.8



#5
Bromomethane
Concen: 0.560 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.065 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 105.8 78.7 118.1

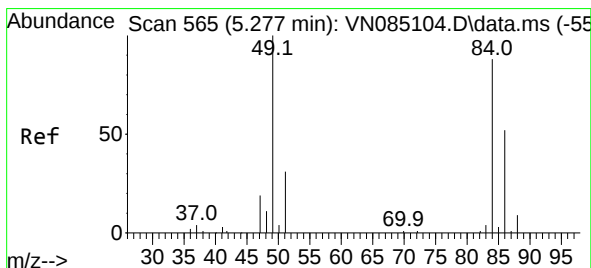
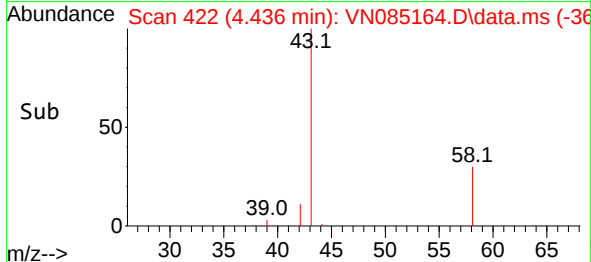
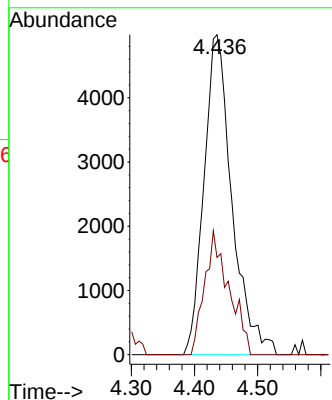
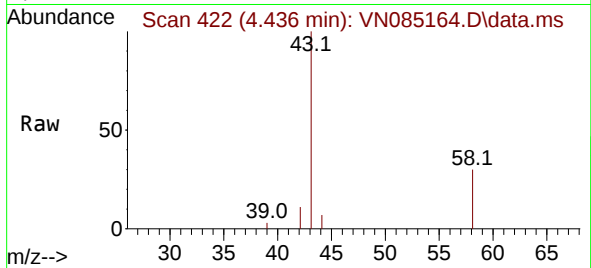




#16
Acetone
Concen: 29.377 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

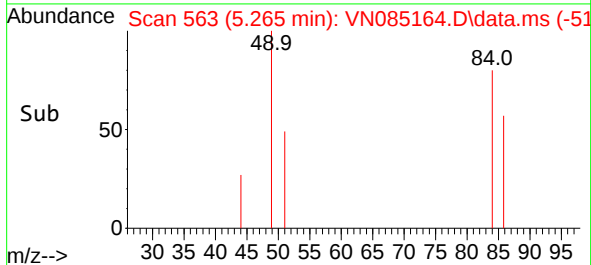
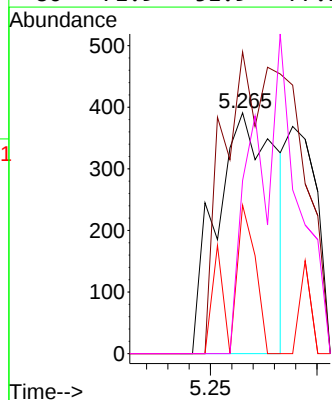
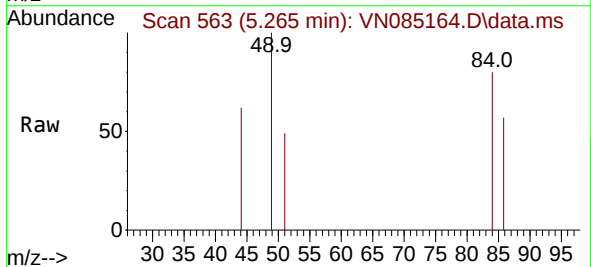
Instrument :
MSVOA_N
ClientSampleId :

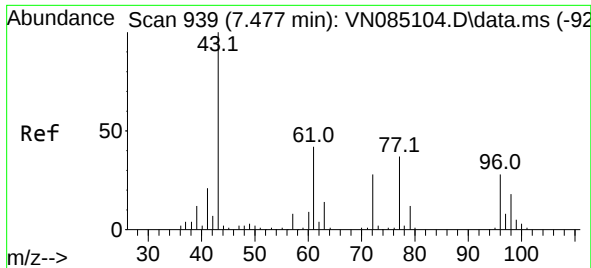
Tgt Ion: 43 Resp: 15327
Ion Ratio Lower Upper
43 100
58 30.4 25.4 38.2



#20
Methylene Chloride
Concen: 0.475 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 84 Resp: 757
Ion Ratio Lower Upper
84 100
49 125.3 92.7 139.1
51 61.6 29.4 44.2#
86 71.9 51.9 77.9

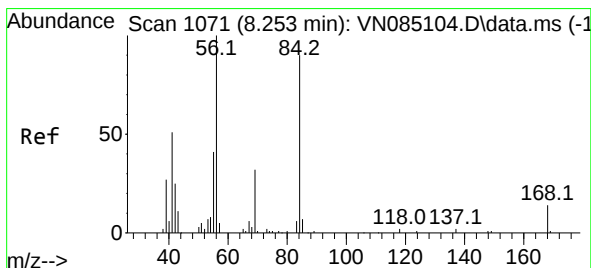
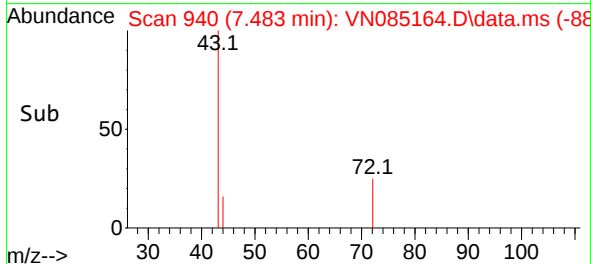
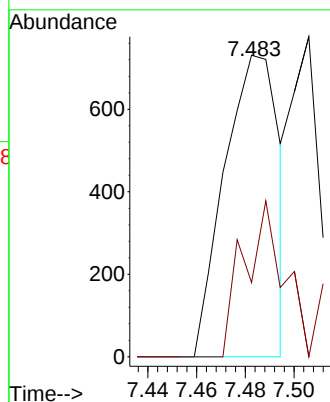
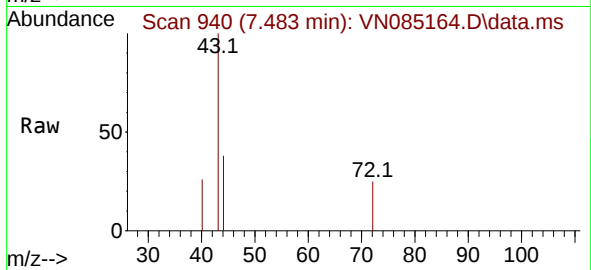




#25
2-Butanone
Concen: 1.331 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

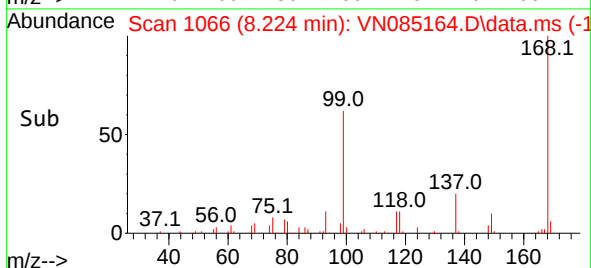
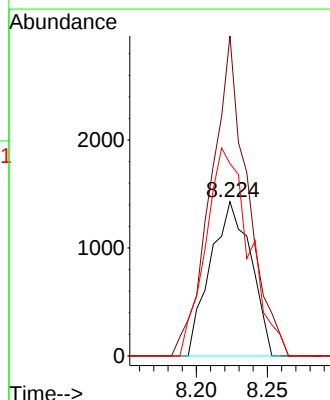
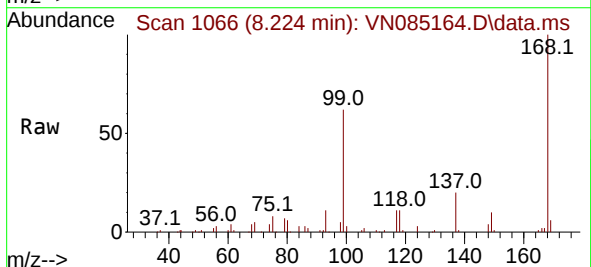
Instrument :
MSVOA_N
ClientSampleId :

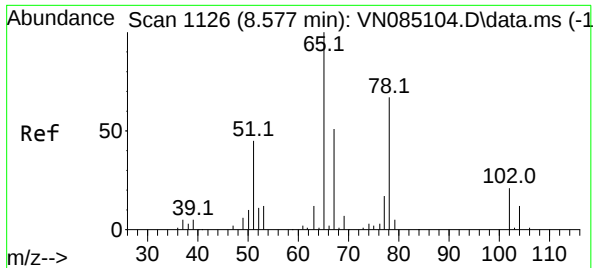
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
72 24.6 21.4 32.0



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 56 Resp: 2833
Ion Ratio Lower Upper
56 100
69 195.2 24.6 36.8#
84 124.7 71.4 107.2#

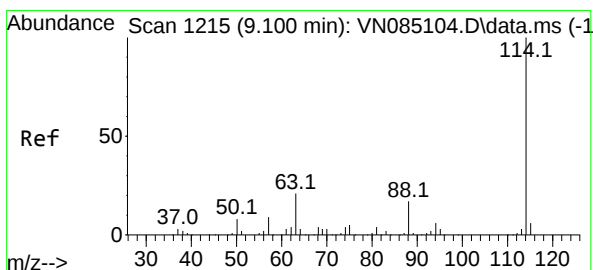
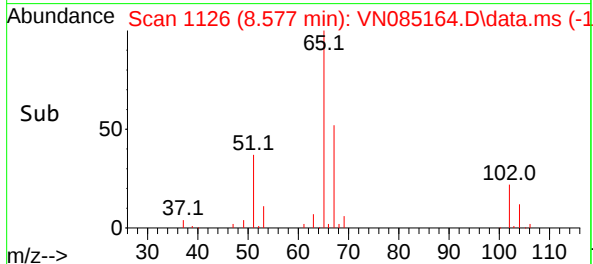
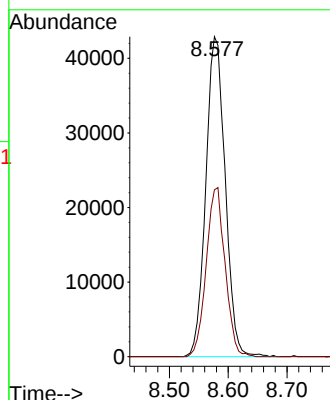
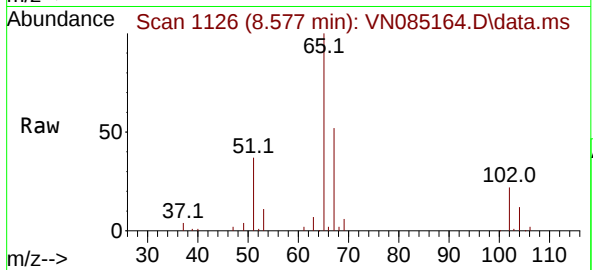




#33
 1,2-Dichloroethane-d4
 Concen: 54.904 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VN085164.D
 Acq: 10 Dec 2024 14:18

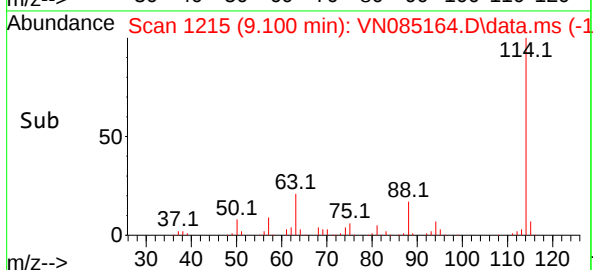
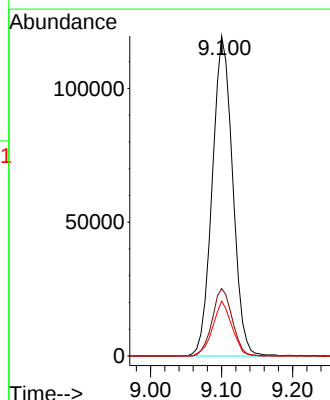
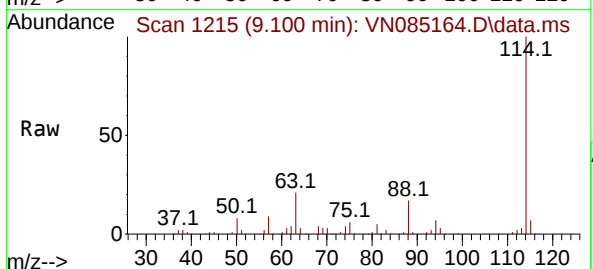
Instrument :
 MSVOA_N
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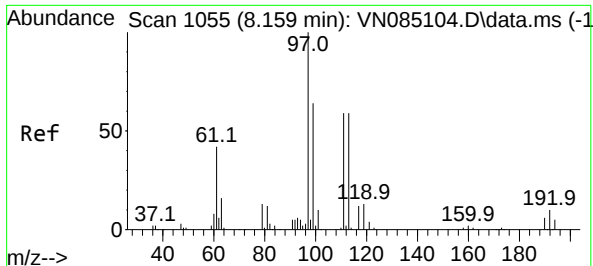
Tgt Ion: 65 Resp: 98358
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085164.D
 Acq: 10 Dec 2024 14:18

Tgt Ion: 114 Resp: 237712
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.0
 88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.192 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

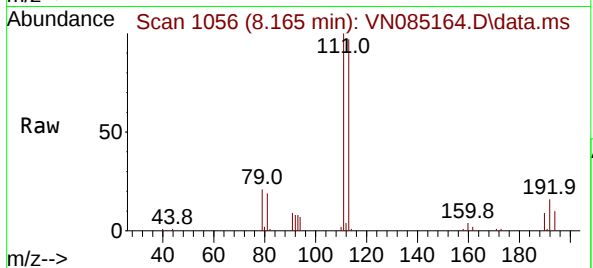
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Acq: 10 Dec 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :



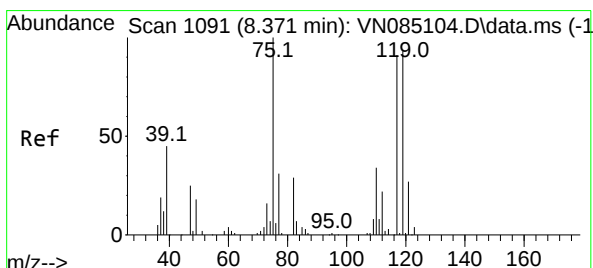
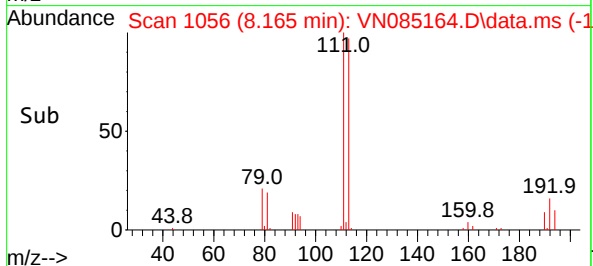
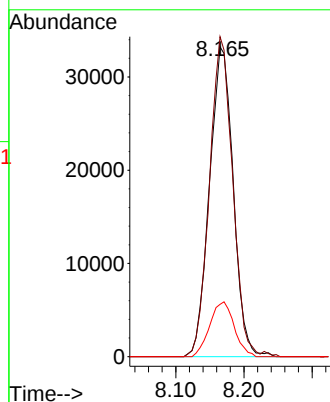
Tgt Ion:113 Resp: 80461

Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.243 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN085164.D

Acq: 10 Dec 2024 14:18

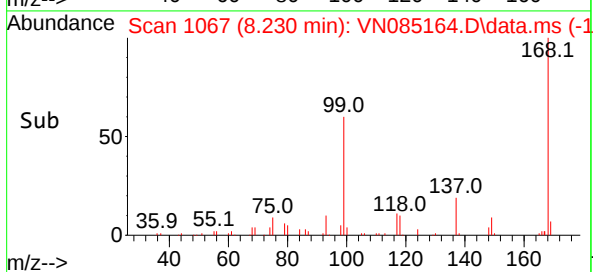
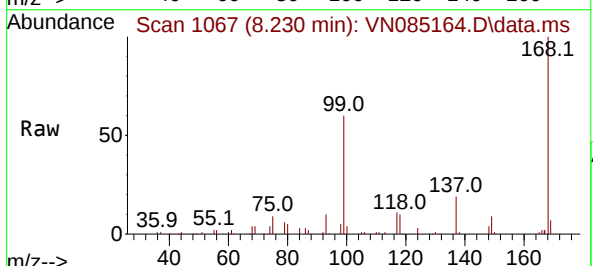
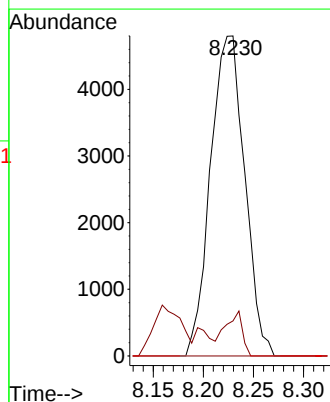
Tgt Ion: 75 Resp: 11384

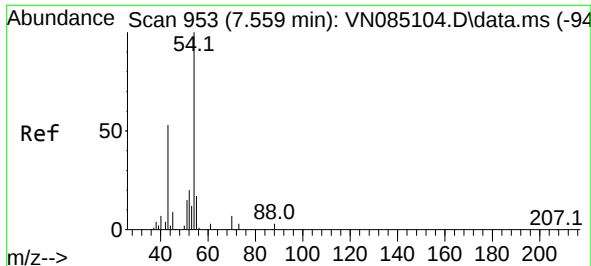
Ion Ratio Lower Upper

75 100

110 7.0 17.2 51.6#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 1.335 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

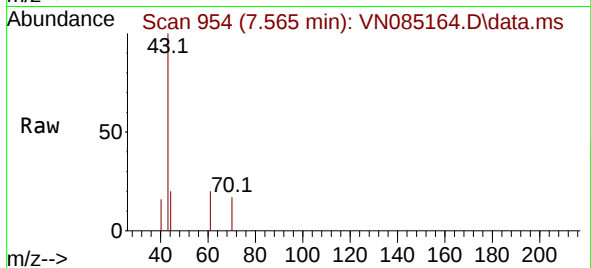
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Acq: 10 Dec 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :



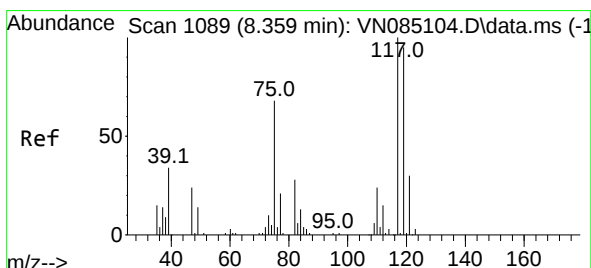
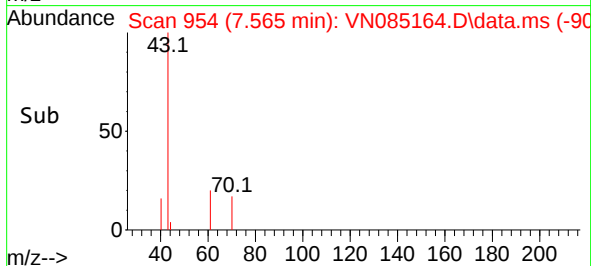
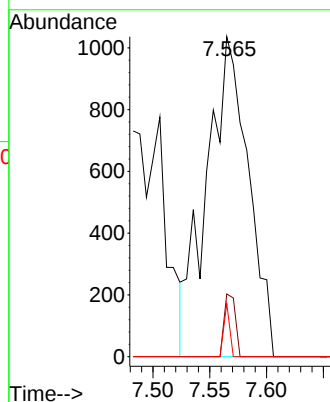
Tgt Ion: 43 Resp: 2635

Ion Ratio Lower Upper

43 100

61 5.3 11.7 17.5#

70 2.3 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085164.D

Acq: 10 Dec 2024 14:18

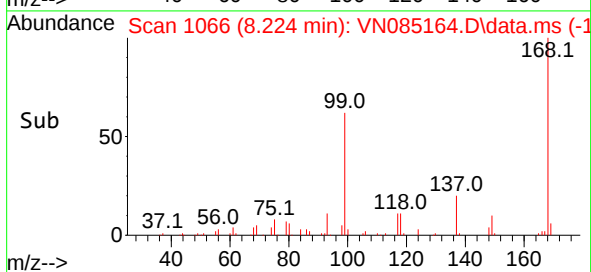
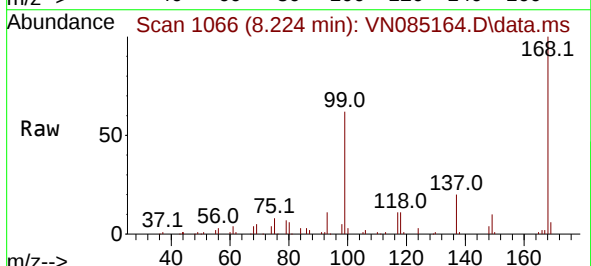
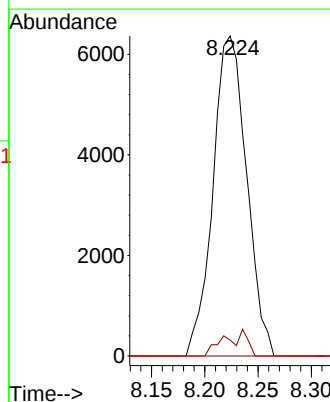
Tgt Ion: 117 Resp: 13965

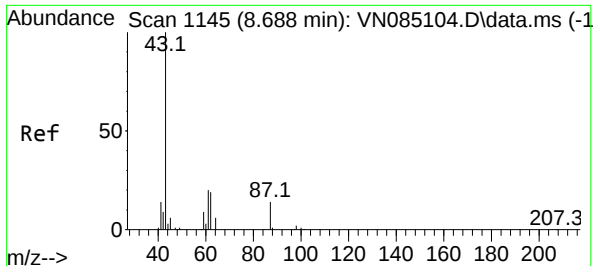
Ion Ratio Lower Upper

117 100

119 5.0 78.6 117.8#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 31.008 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

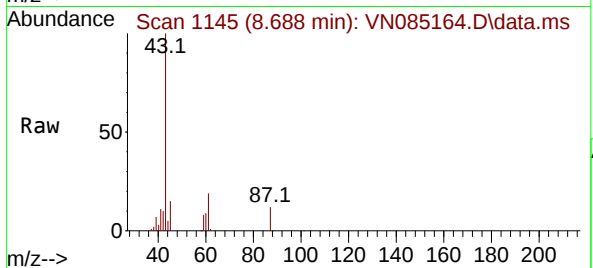
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MSVOA_N

ClientSampleId :



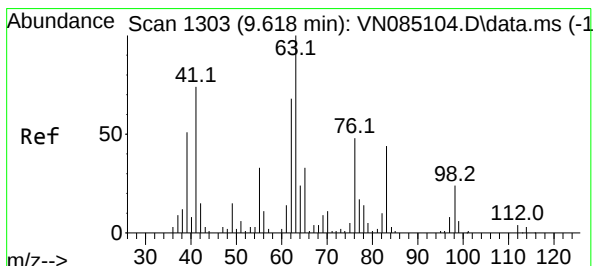
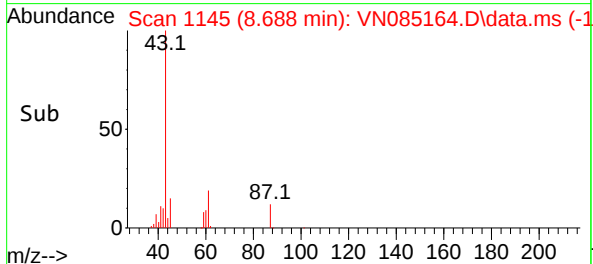
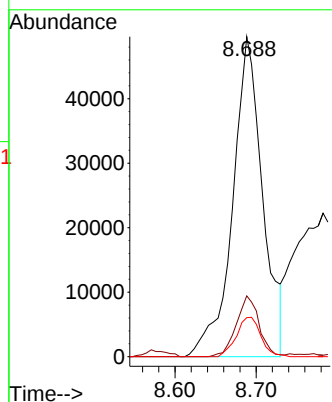
Tgt Ion: 43 Resp: 127141

Ion Ratio Lower Upper

43 100

61 14.5 20.6 30.8#

87 10.1 11.0 16.4#



#45

1,2-Dichloropropane

Concen: 0.676 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN085164.D

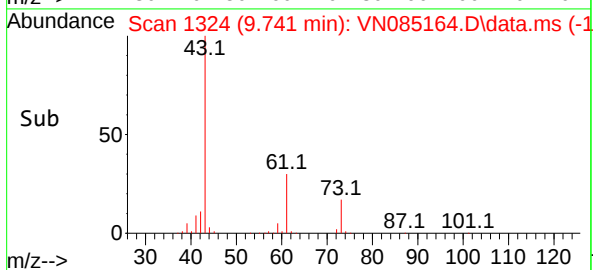
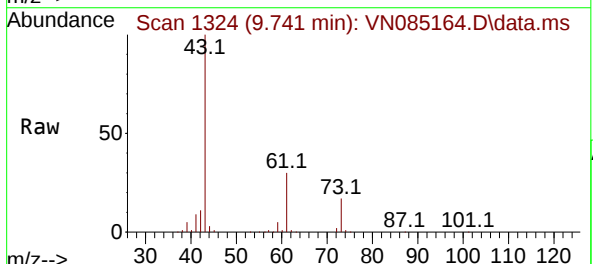
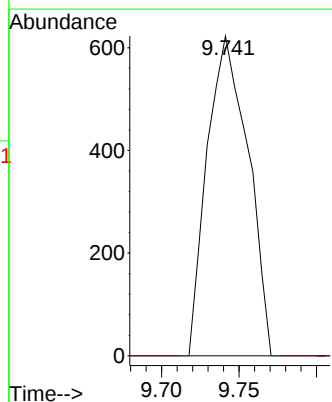
Acq: 10 Dec 2024 14:18

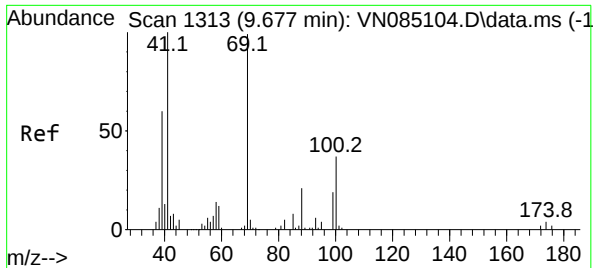
Tgt Ion: 63 Resp: 1144

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#

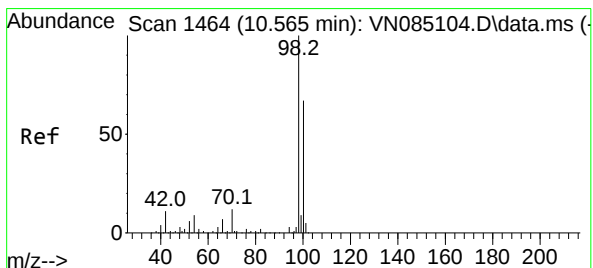
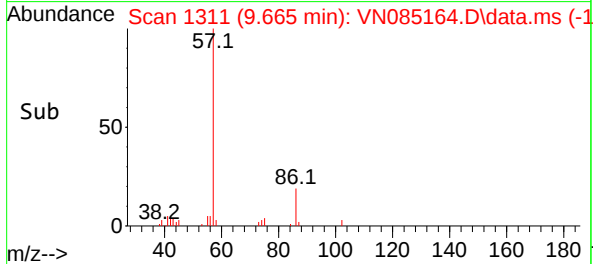
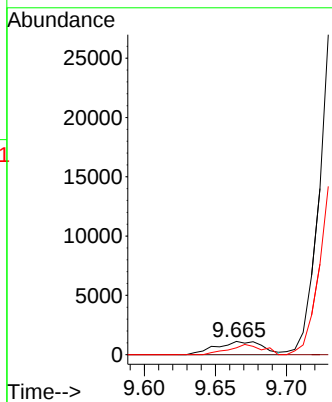
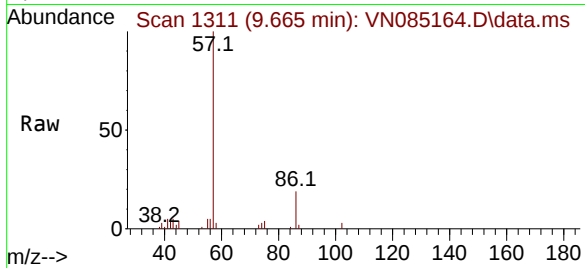




#48
Methyl methacrylate
Concen: 1.663 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

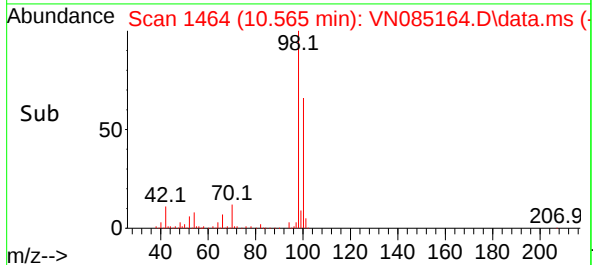
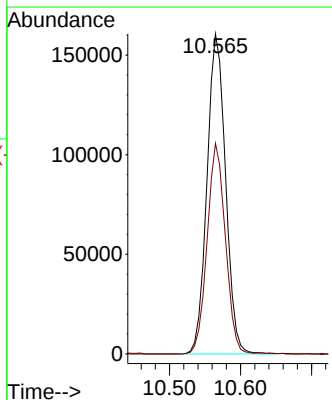
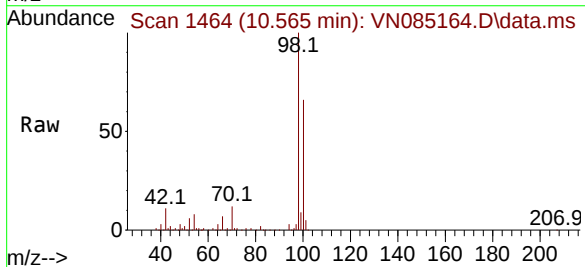
Instrument :
MSVOA_N
ClientSampleId :

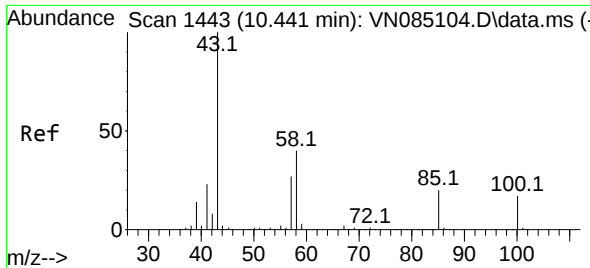
Tgt Ion: 41 Resp: 2537
Ion Ratio Lower Upper
41 100
69 0.0 73.2 109.8#
39 55.5 46.2 69.4



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 98 Resp: 292130
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

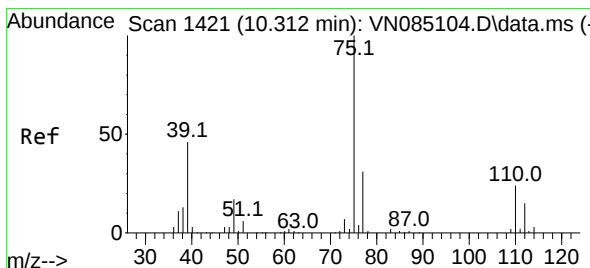
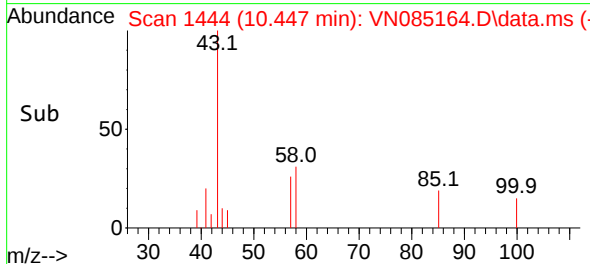
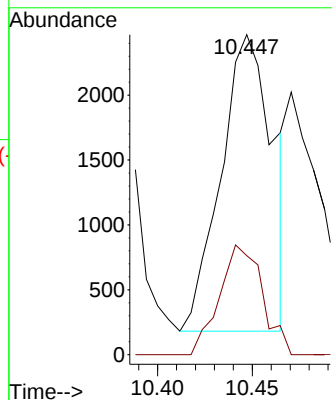
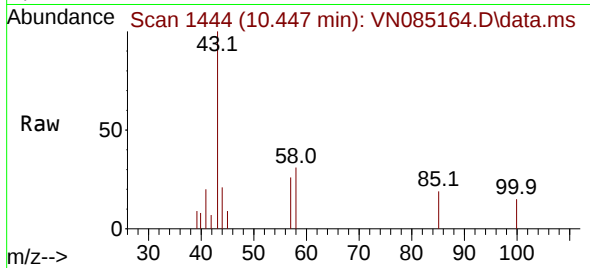




#51
4-Methyl-2-Pentanone
Concen: 2.314 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

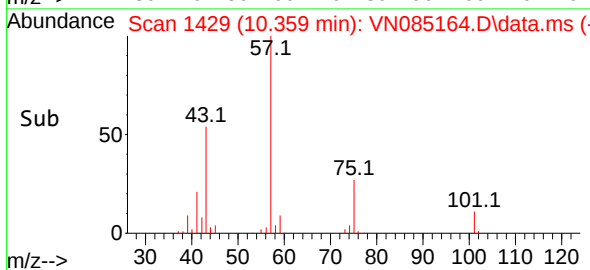
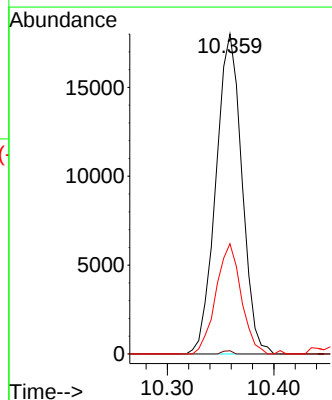
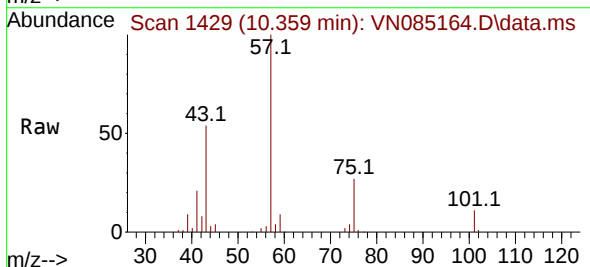
Instrument :
MSVOA_N
ClientSampleId :

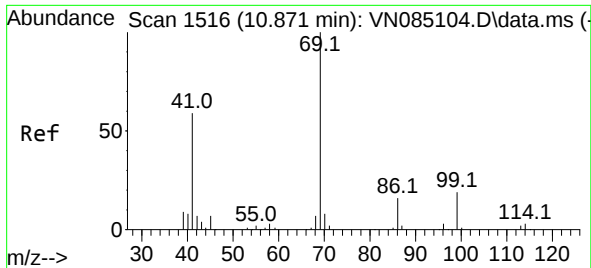
Tgt Ion: 43 Resp: 4333
Ion Ratio Lower Upper
43 100
58 30.8 32.1 48.1#



#54
cis-1,3-Dichloropropene
Concen: 11.516 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 75 Resp: 30511
Ion Ratio Lower Upper
75 100
77 1.0 25.0 37.4#
39 34.5 37.6 56.4#

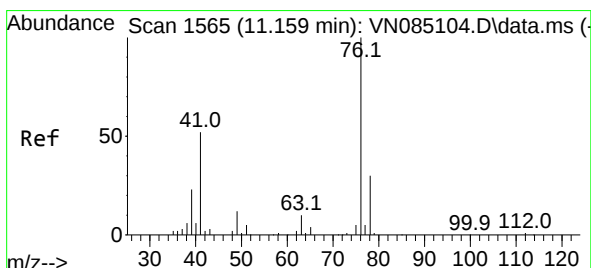
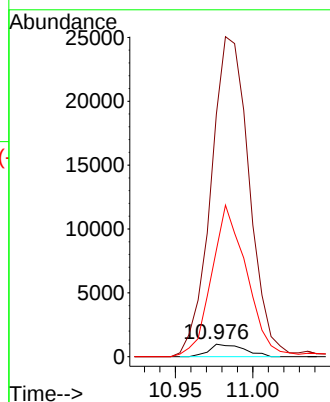
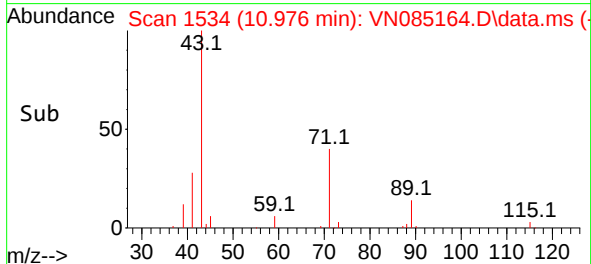
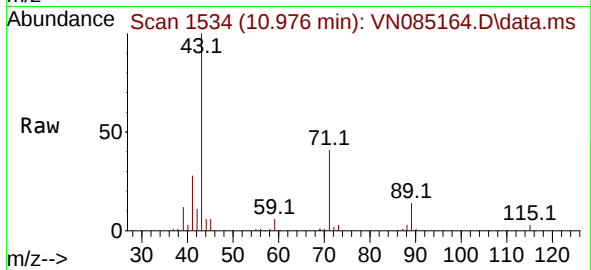




#56
Ethyl methacrylate
Concen: 0.693 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

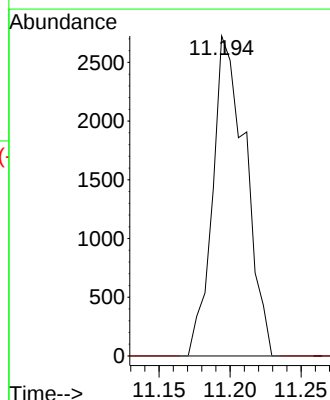
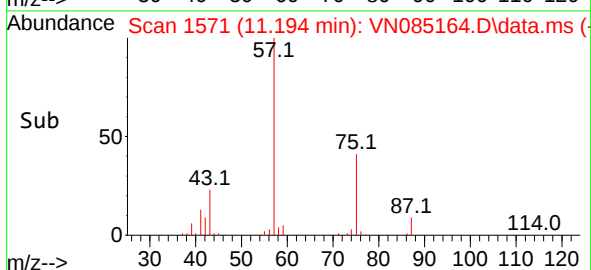
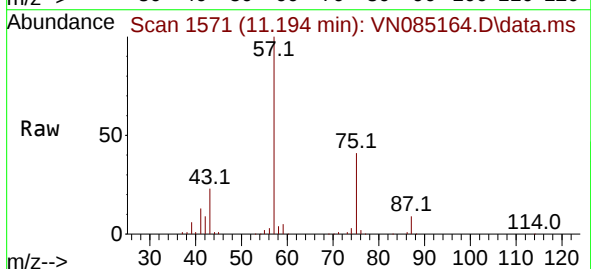
Instrument :
MSVOA_N
ClientSampleId :

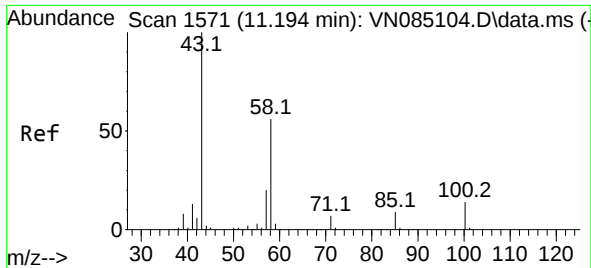
Tgt Ion: 69 Resp: 1533
Ion Ratio Lower Upper
69 100
41 2811.6 50.0 75.0#
39 1223.9 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.648 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 76 Resp: 4392
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

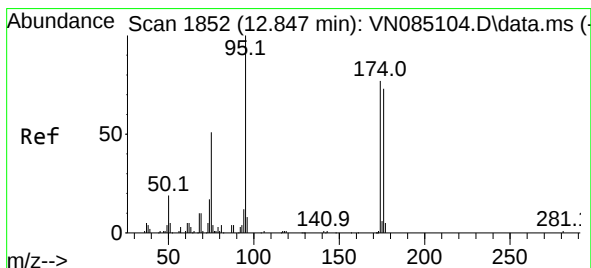
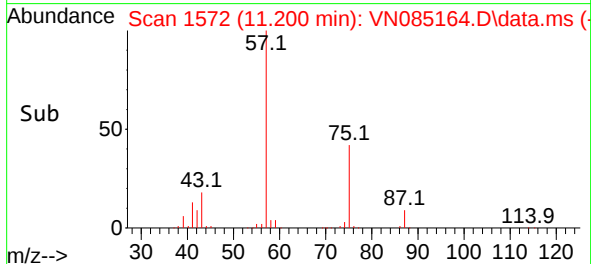
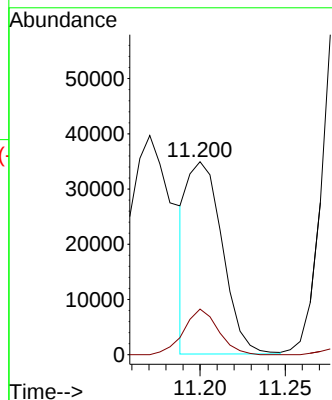
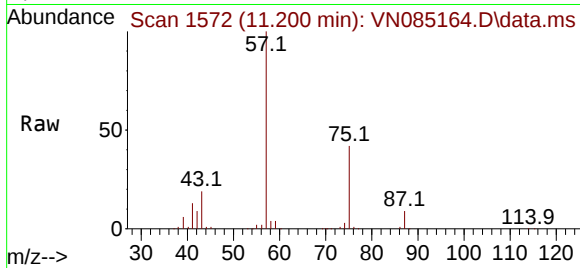




#59
2-Hexanone
Concen: 35.447 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

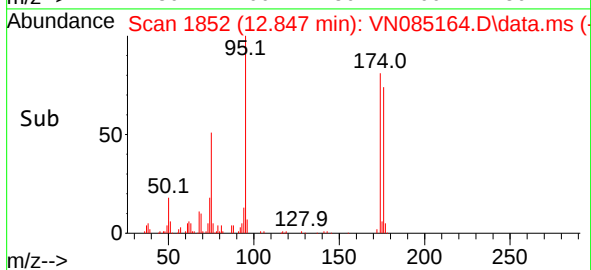
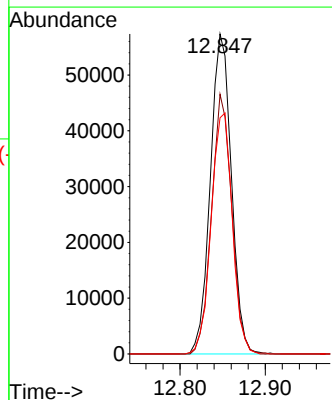
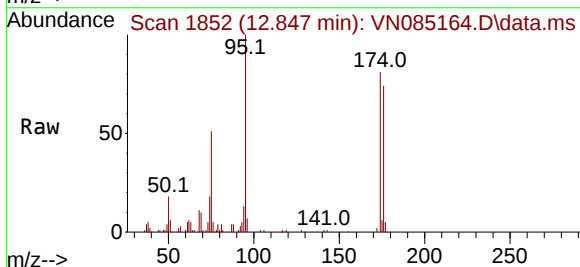
Instrument :
MSVOA_N
ClientSampleId :

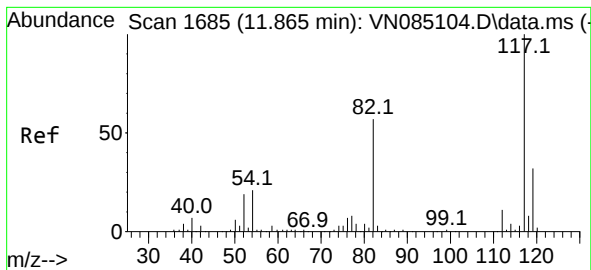
Tgt Ion: 43 Resp: 49650
Ion Ratio Lower Upper
43 100
58 23.5 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 45.812 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085164.D
Acq: 10 Dec 2024 14:18

Tgt Ion: 95 Resp: 98423
Ion Ratio Lower Upper
95 100
174 78.2 0.0 146.6
176 75.7 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085164.D

Acq: 10 Dec 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

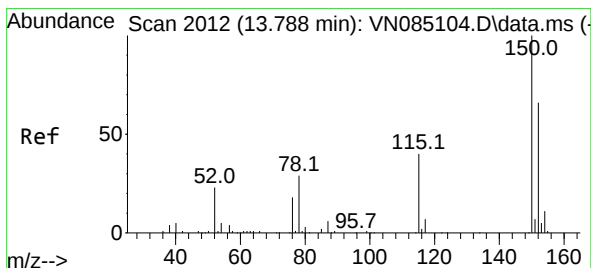
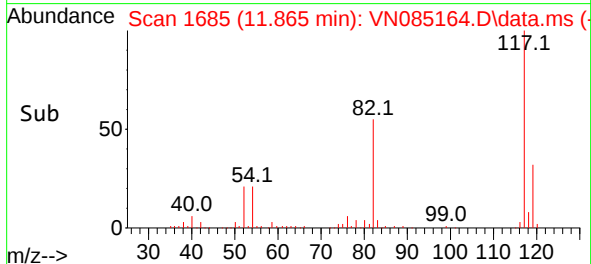
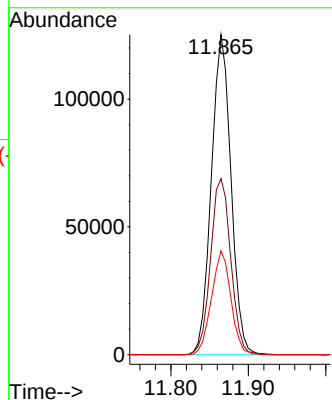
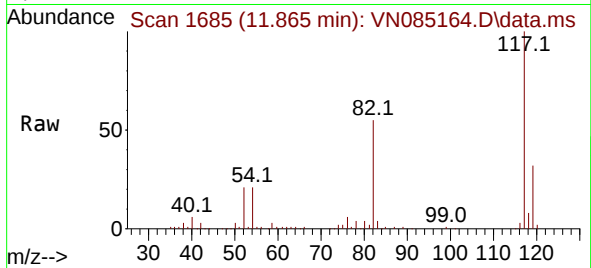
Tgt Ion:117 Resp: 220445

Ion Ratio Lower Upper

117 100

82 55.0 46.0 69.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085164.D

Acq: 10 Dec 2024 14:18

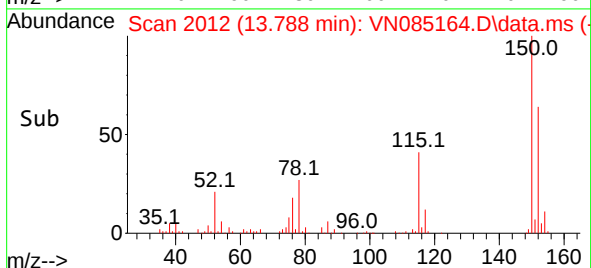
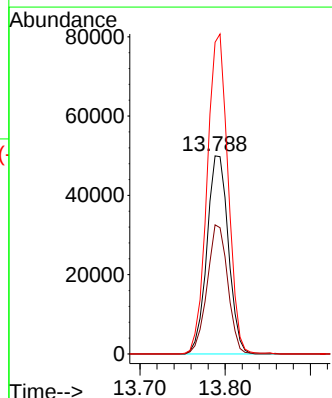
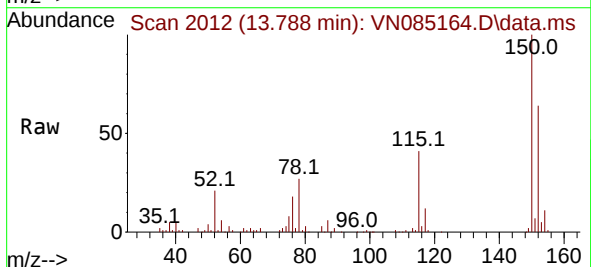
Tgt Ion:152 Resp: 87390

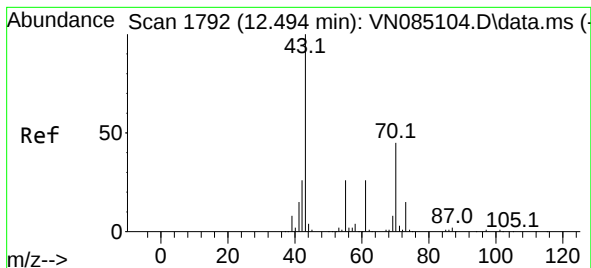
Ion Ratio Lower Upper

152 100

115 62.5 31.7 95.1

150 157.1 0.0 351.4





#74

N-amy1 acetate

Concen: 0.295 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.030 min

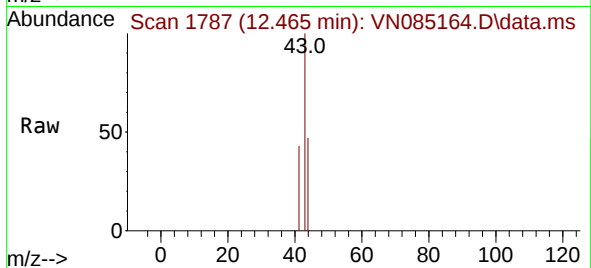
Lab File: VN085164.D

Acq: 10 Dec 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 750

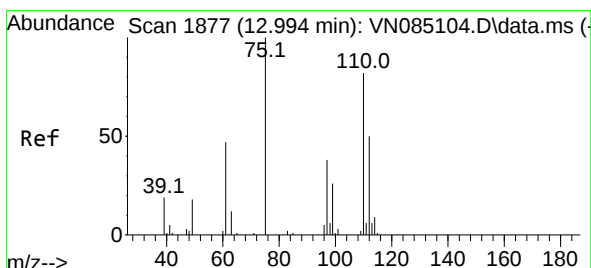
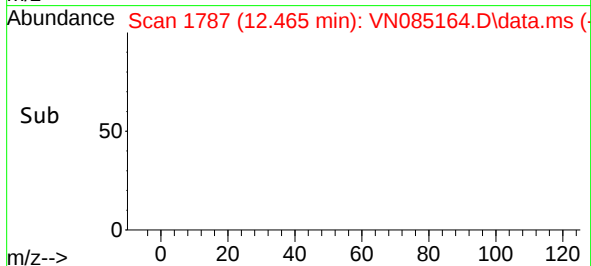
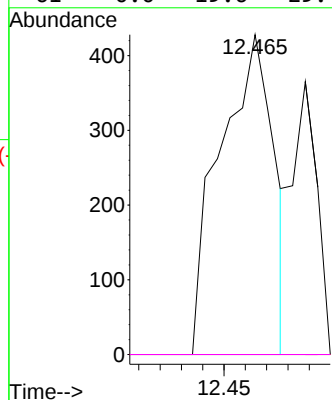
Ion Ratio Lower Upper

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: 32.856 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN085164.D

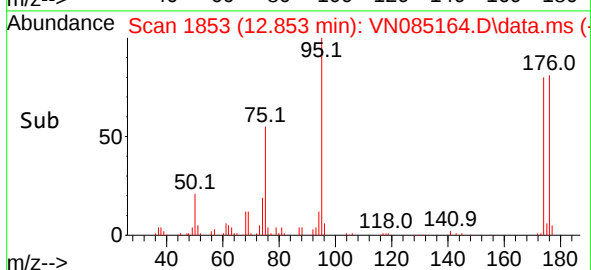
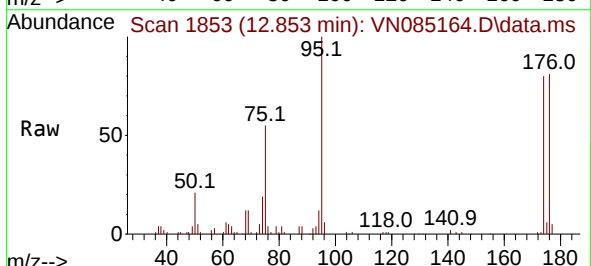
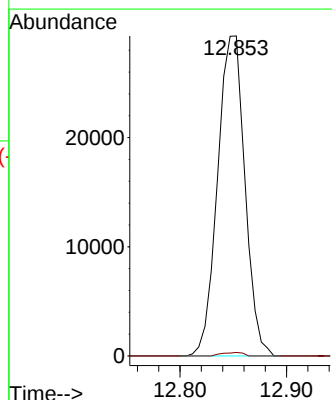
Acq: 10 Dec 2024 14:18

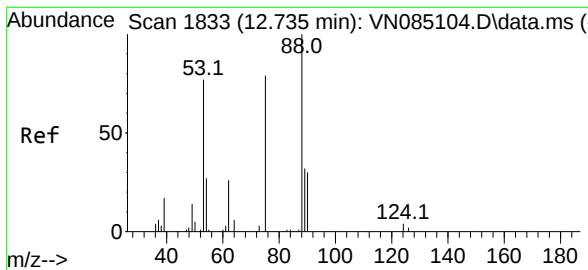
Tgt Ion: 75 Resp: 52226

Ion Ratio Lower Upper

75 100

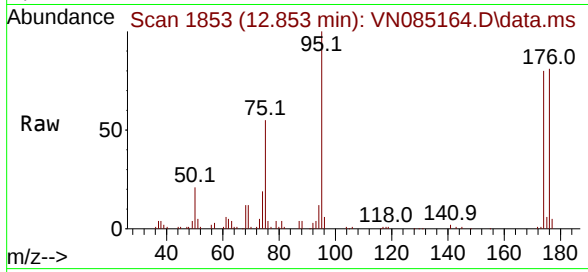
77 0.9 109.1 327.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.531 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.117 min
 Lab File: VN085164.D
 Acq: 10 Dec 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 52226
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#

