

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085334.D
 Acq On : 27 Dec 2024 18:42
 Operator : JC\MD
 Sample : P5380-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 01:45:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

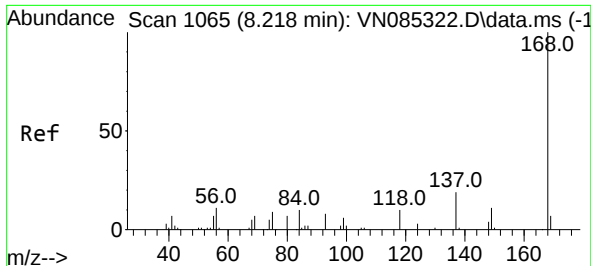
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	141875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113623	56.151	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.300%			
35) Dibromofluoromethane	8.165	113	88760	52.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	10.565	98	338827	54.761	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.847	95	108857	52.974	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.940%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	456	0.211	ug/l #	43
5) Bromomethane	2.965	94	626	0.420	ug/l	83
11) Tert butyl alcohol	5.518	59	3187	12.577	ug/l #	73
13) Acrolein	4.183	56	466	1.180	ug/l #	35
16) Acetone	4.424	43	40975	61.580	ug/l	99
18) Methyl Acetate	5.024	43	1736	0.852	ug/l #	59
20) Methylene Chloride	5.277	84	4228	2.362	ug/l	88
22) Diisopropyl ether	6.735	45	1260	0.232	ug/l #	1
23) Vinyl Acetate	6.730	43	3104	0.789	ug/l #	73
25) 2-Butanone	7.482	43	4008	3.883	ug/l	97
28) Bromochloromethane	7.959	49	551	0.362	ug/l #	98
29) Tetrahydrofuran	7.835	42	313	0.471	ug/l #	33
30) Chloroform	7.965	83	7841	2.340	ug/l #	73
31) Cyclohexane	8.218	56	3913	1.308	ug/l #	18
36) 1,1-Dichloropropene	8.218	75	13158	5.330	ug/l #	51
37) Ethyl Acetate	7.565	43	4073	1.660	ug/l #	93
38) Carbon Tetrachloride	8.224	117	15708	5.837	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	629	0.235	ug/l #	76
43) Isopropyl Acetate	8.688	43	131400	32.521	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1581	0.834	ug/l #	43
48) Methyl methacrylate	9.653	41	6285	3.585	ug/l #	44
51) 4-Methyl-2-Pentanone	10.441	43	10109	4.452	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	38848	13.338	ug/l #	68
56) Ethyl methacrylate	10.982	69	1071	0.438	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5477	1.860	ug/l #	43
59) 2-Hexanone	11.200	43	63538	40.332	ug/l #	58
74) N-amyl acetate	12.482	43	1079	0.358	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	60910	33.274	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60910	79.686	ug/l #	10
95) Naphthalene	15.641	128	2067	0.405	ug/l #	85

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

Quant Time: Dec 28 01:45:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
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QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

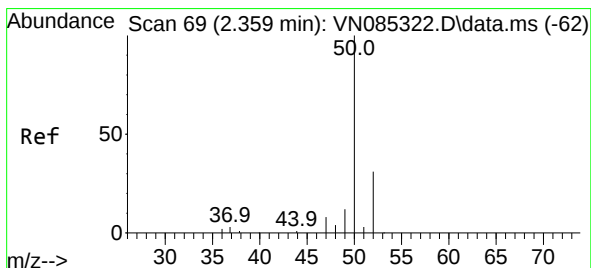
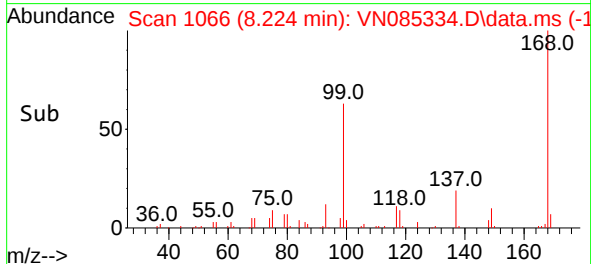
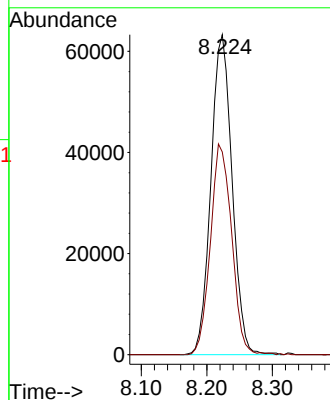
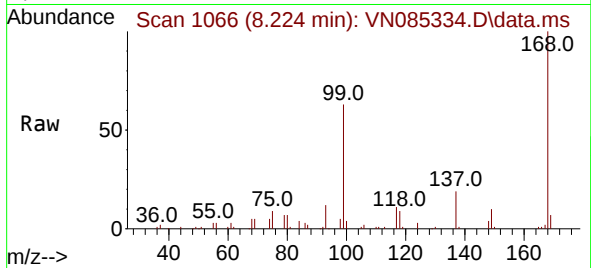




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

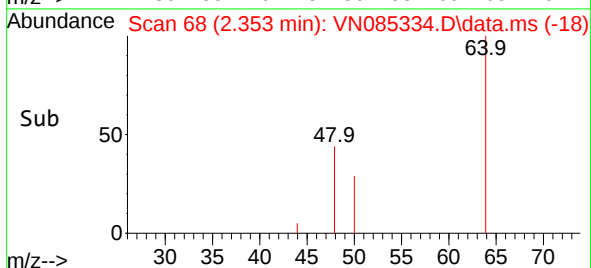
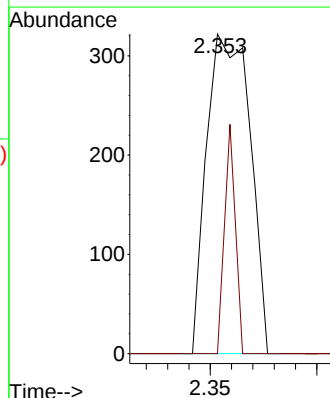
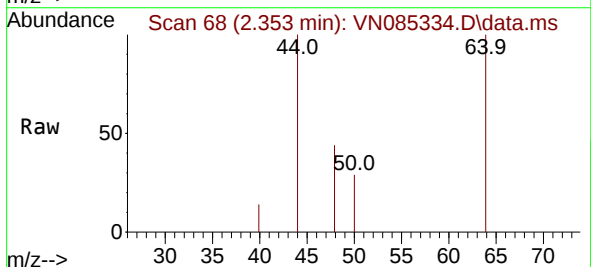
Instrument :
MSVOA_N
ClientSampleId :

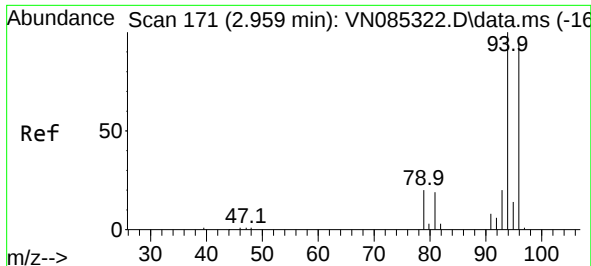
Tgt Ion:168 Resp: 141875
Ion Ratio Lower Upper
168 100
99 63.4 51.0 76.4



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 50 Resp: 456
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

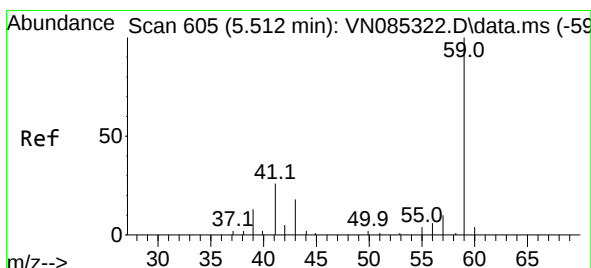
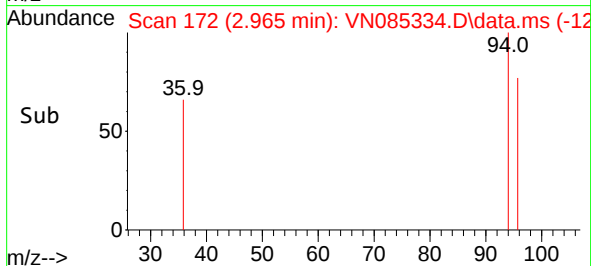
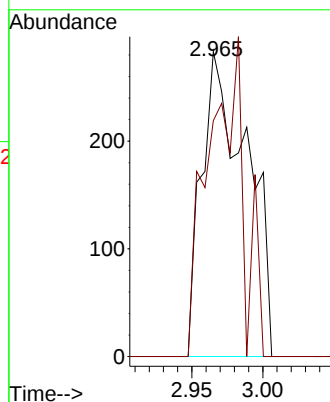
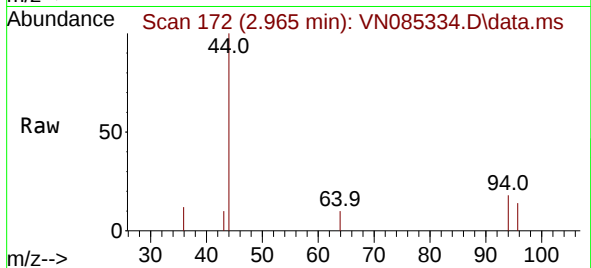




#5
Bromomethane
Concen: 0.420 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

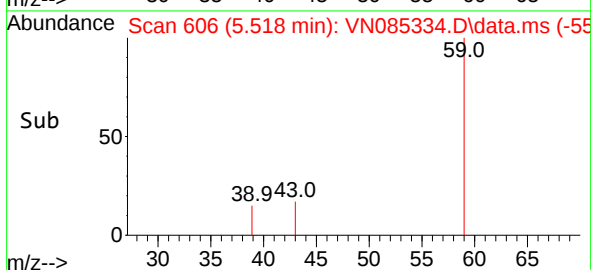
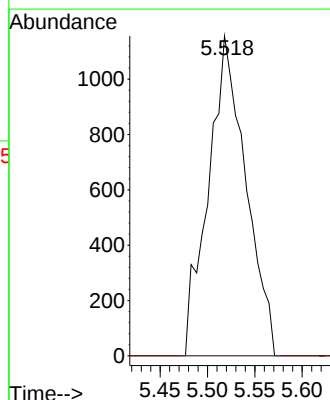
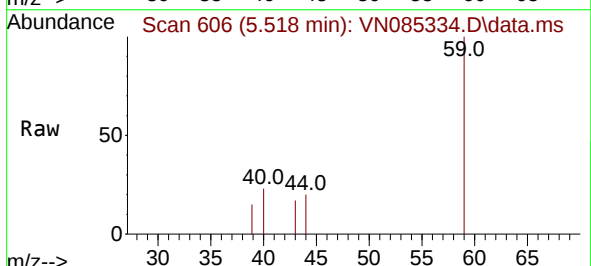
Instrument :
MSVOA_N
ClientSampleId :

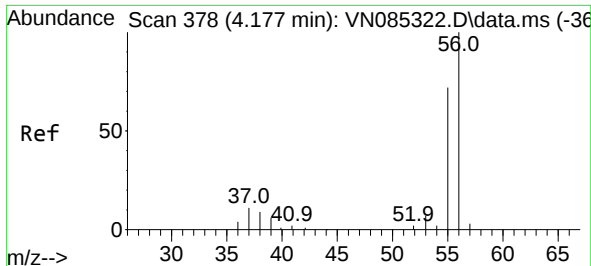
Tgt Ion: 94 Resp: 626
Ion Ratio Lower Upper
94 100
96 77.4 75.2 112.8



#11
Tert butyl alcohol
Concen: 12.577 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 59 Resp: 3187
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 1.180 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

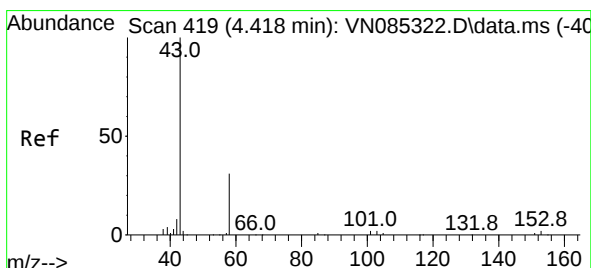
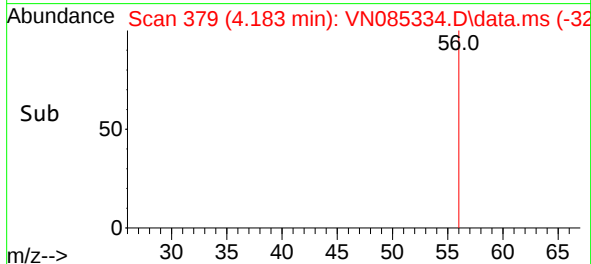
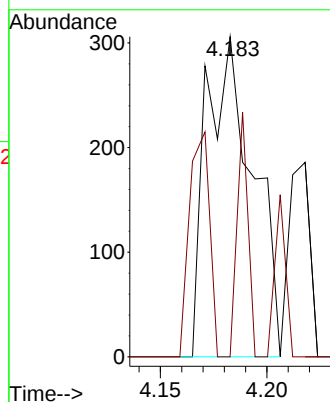
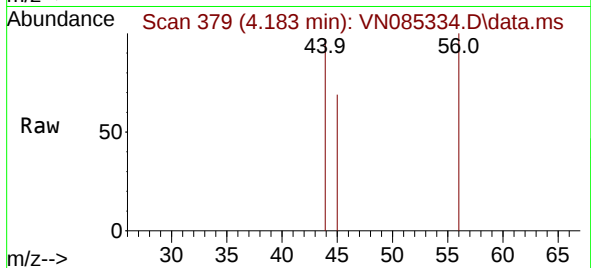
ClientSampleId :

Tgt Ion: 56 Resp: 466

Ion Ratio Lower Upper

56 100

55 17.8 57.5 86.3#



#16

Acetone

Concen: 61.580 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.006 min

Lab File: VN085334.D

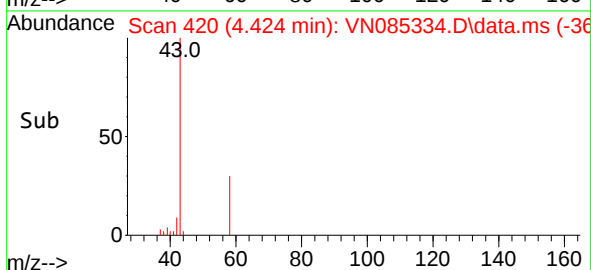
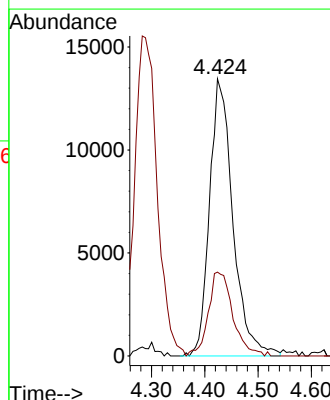
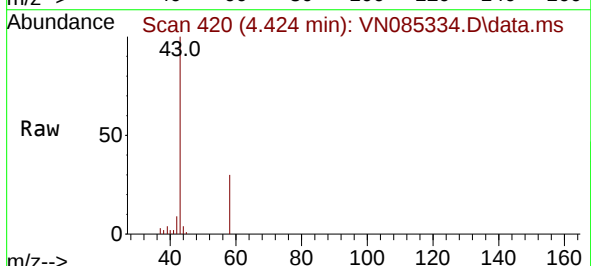
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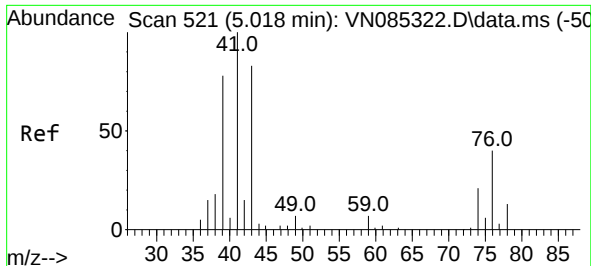
Tgt Ion: 43 Resp: 40975

Ion Ratio Lower Upper

43 100

58 30.3 24.5 36.7

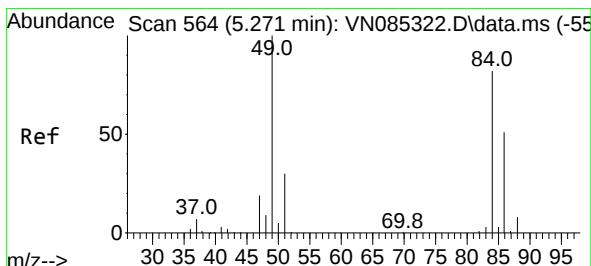
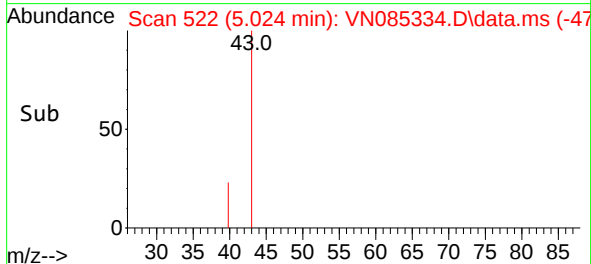
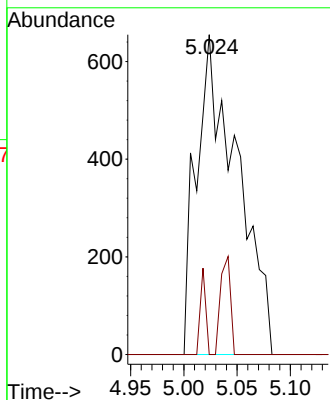
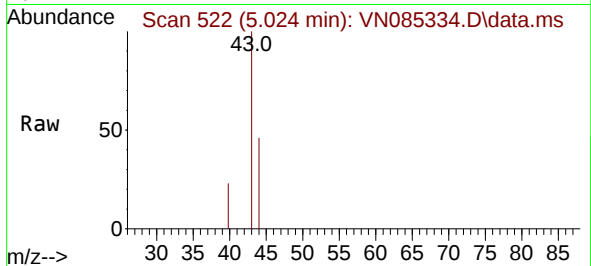




#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

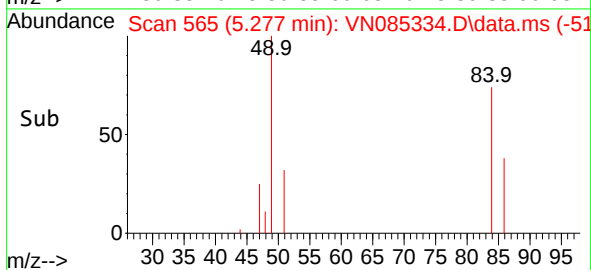
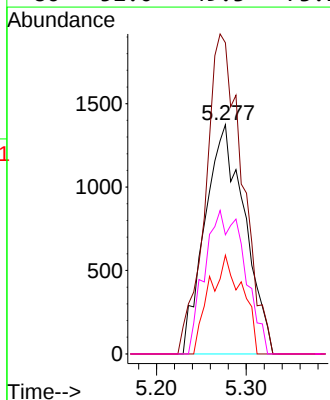
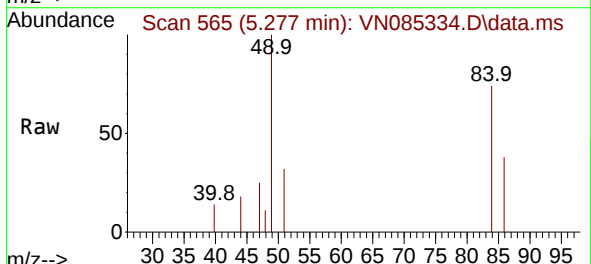
Instrument :
MSVOA_N
ClientSampleId :

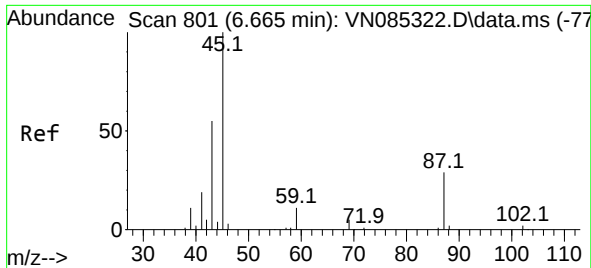
Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
74 3.6 19.0 28.6#



#20
Methylene Chloride
Concen: 2.362 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

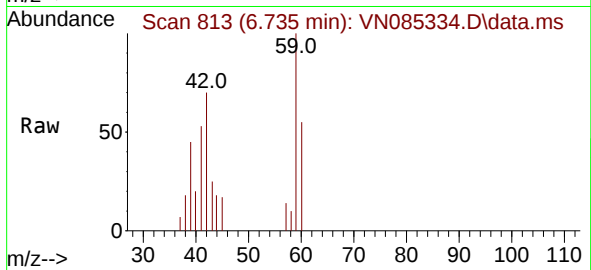
Tgt Ion: 84 Resp: 4228
Ion Ratio Lower Upper
84 100
49 135.7 97.6 146.4
51 43.0 29.1 43.7
86 52.0 49.3 73.9



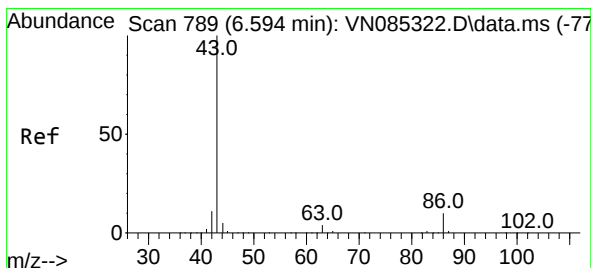
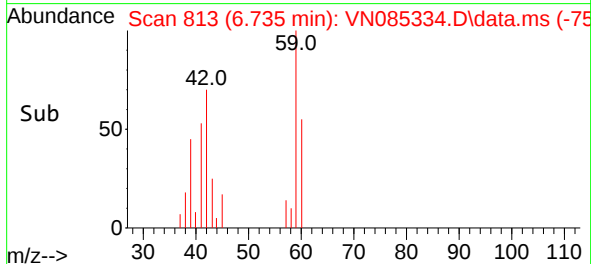
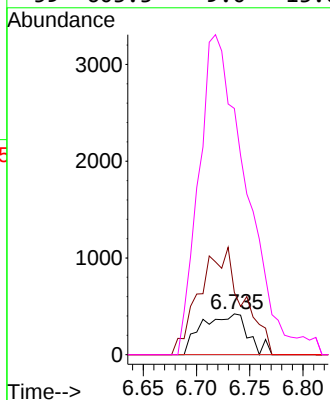


#22
Diisopropyl ether
Concen: 0.232 ug/l
RT: 6.735 min Scan# 813
Delta R.T. 0.071 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

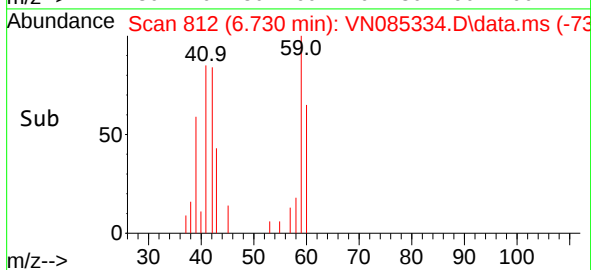
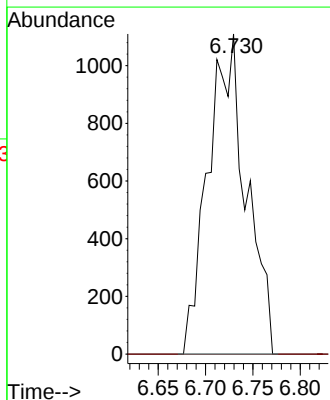
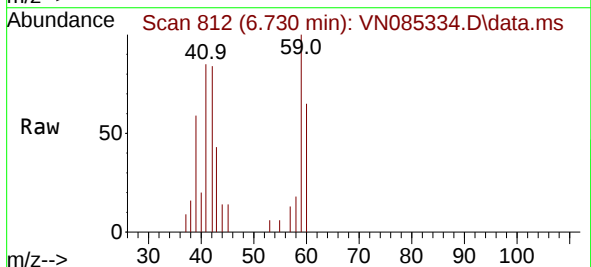


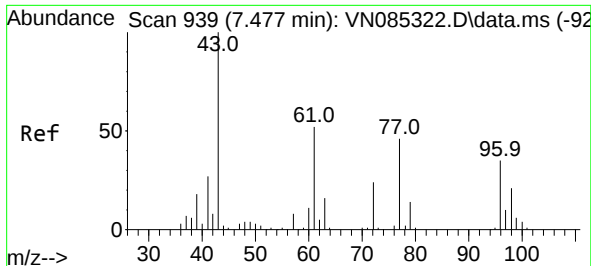
Tgt Ion	Ratio	Lower	Upper
45	100		
43	152.4	44.1	66.1#
87	0.0	23.2	34.8#
59	603.3	9.0	13.6#



#23
Vinyl Acetate
Concen: 0.789 ug/l
RT: 6.730 min Scan# 812
Delta R.T. 0.135 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.0	12.0#





#25

2-Butanone

Concen: 3.883 ug/l

RT: 7.482 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

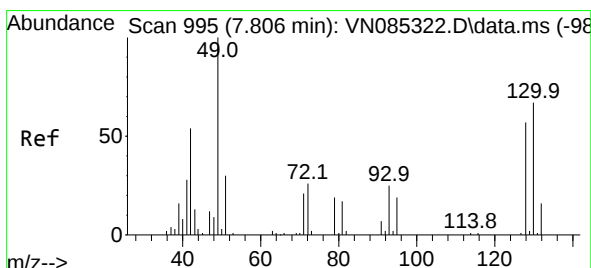
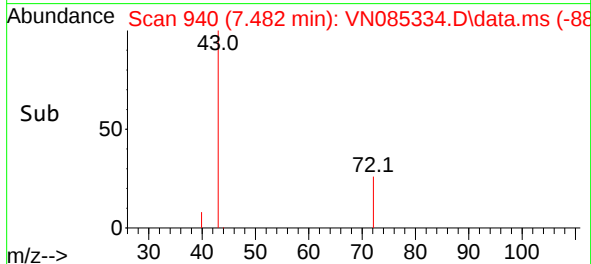
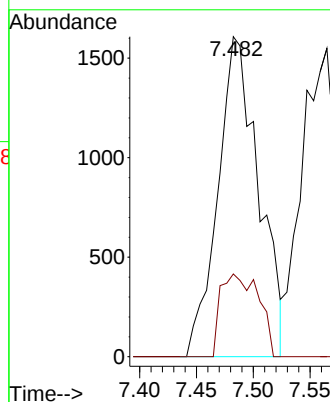
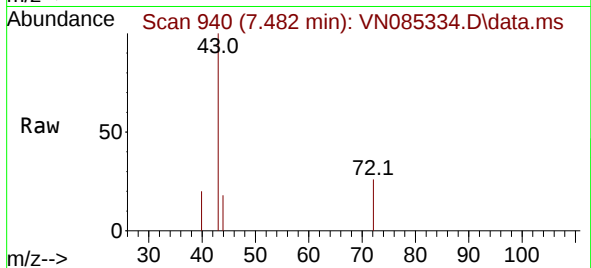
ClientSampleId :

Tgt Ion: 43 Resp: 4008

Ion Ratio Lower Upper

43 100

72 25.9 19.6 29.4



#28

Bromochloromethane

Concen: 0.362 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.153 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

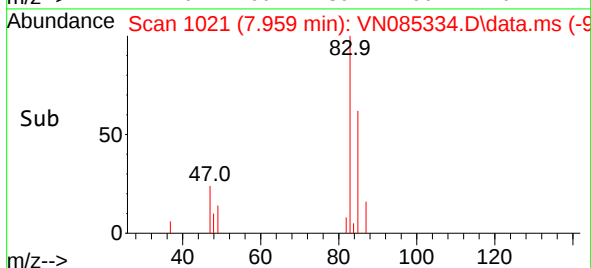
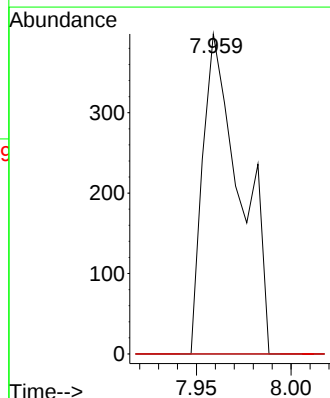
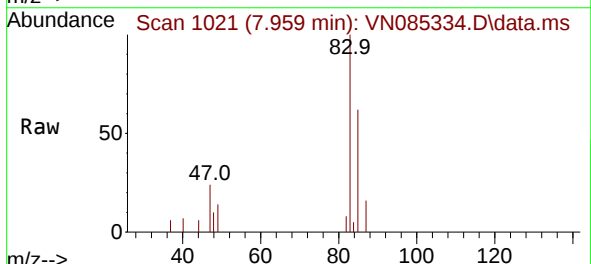
Tgt Ion: 49 Resp: 551

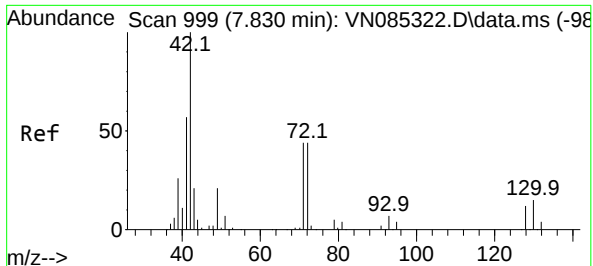
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

130 0.0 0.0 0.0





#29

Tetrahydrofuran

Concen: 0.471 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.006 min

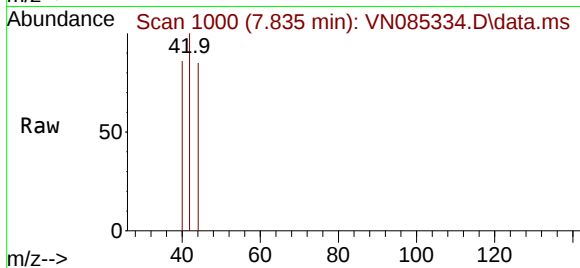
Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

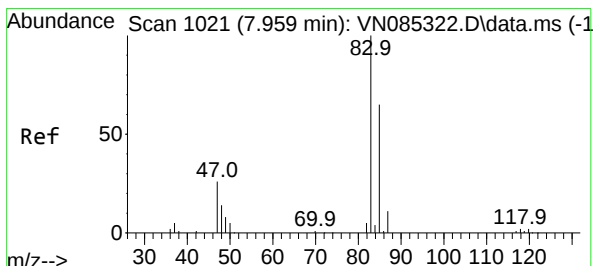
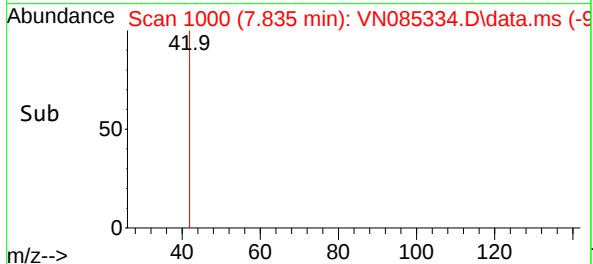
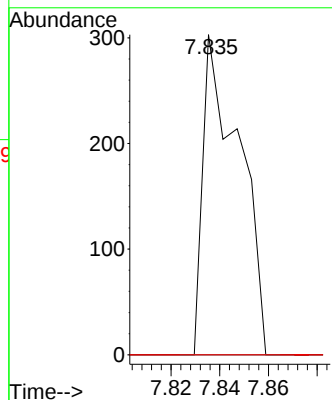
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	313
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.1	52.7#
71	0.0	33.4	50.0#



#30

Chloroform

Concen: 2.340 ug/l

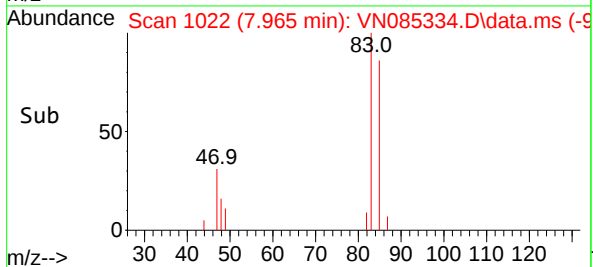
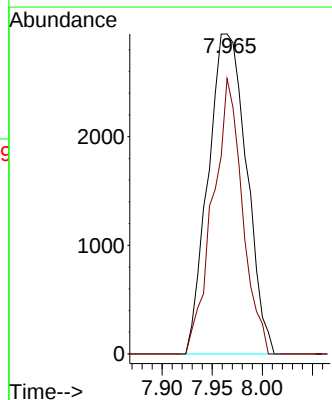
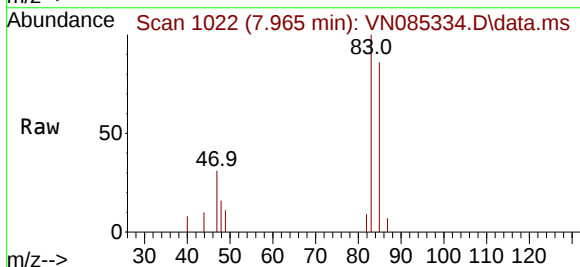
RT: 7.965 min Scan# 1022

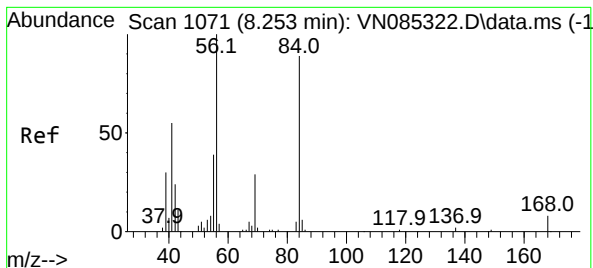
Delta R.T. 0.006 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Tgt Ion:	83	Resp:	7841
Ion	Ratio	Lower	Upper
83	100		
85	86.0	52.0	78.0#





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

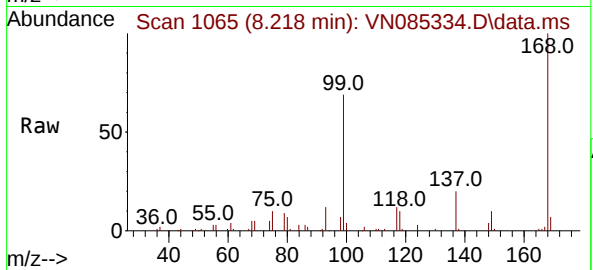
Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :



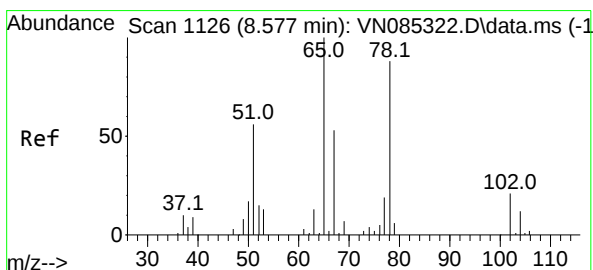
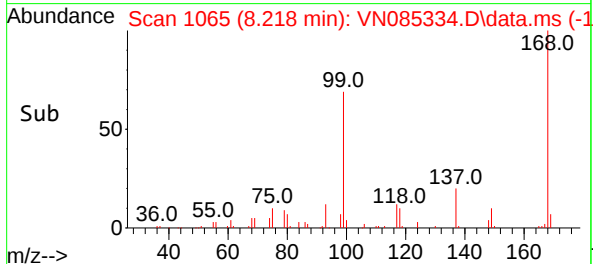
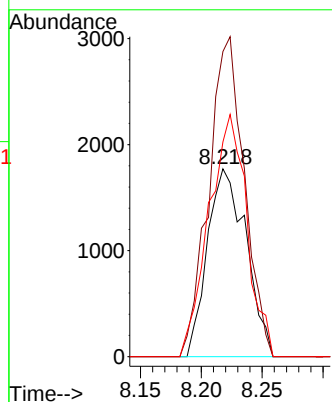
Tgt Ion: 56 Resp: 3913

Ion Ratio Lower Upper

56 100

69 162.4 23.4 35.0#

84 114.3 71.0 106.6#



#33

1,2-Dichloroethane-d4

Concen: 56.151 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085334.D

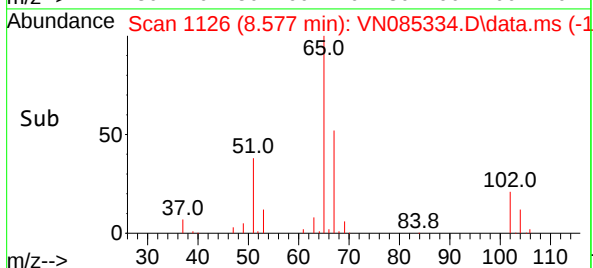
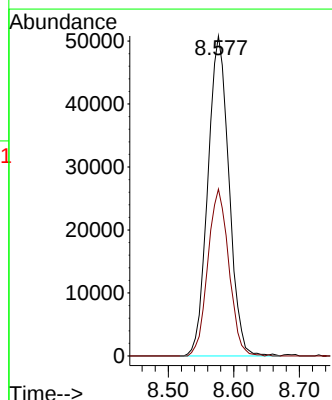
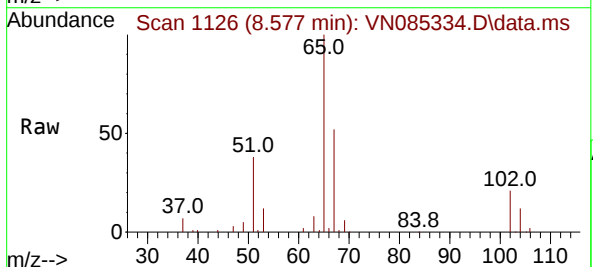
Acq: 27 Dec 2024 18:42

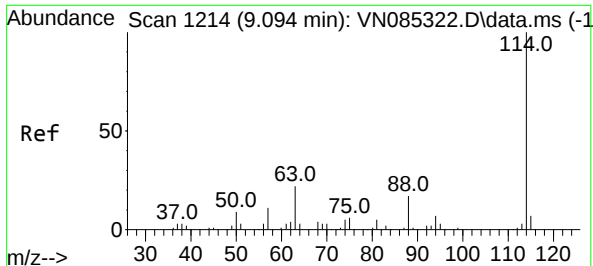
Tgt Ion: 65 Resp: 113623

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

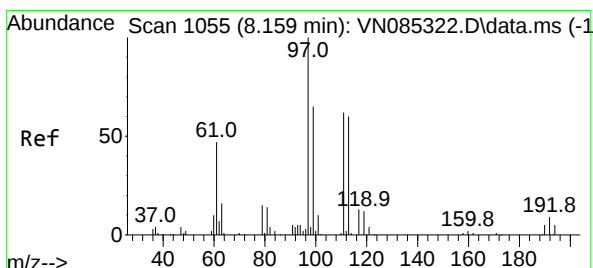
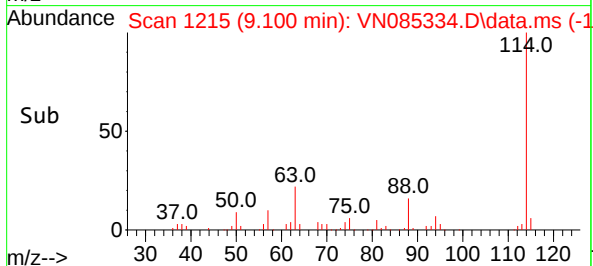
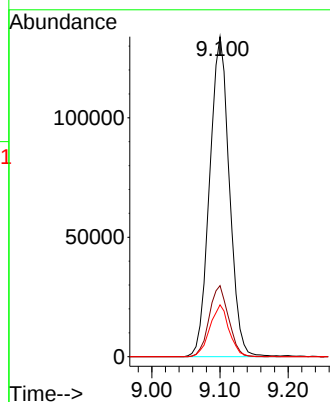
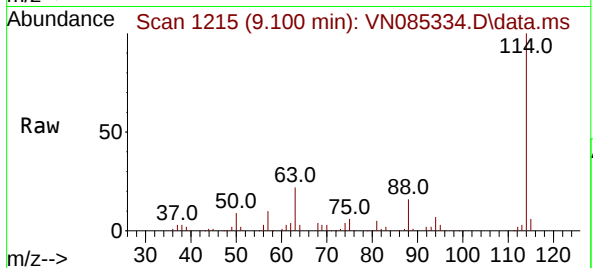
Tgt Ion:114 Resp: 270279

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.2 0.0 33.6



#35

Dibromofluoromethane

Concen: 52.641 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

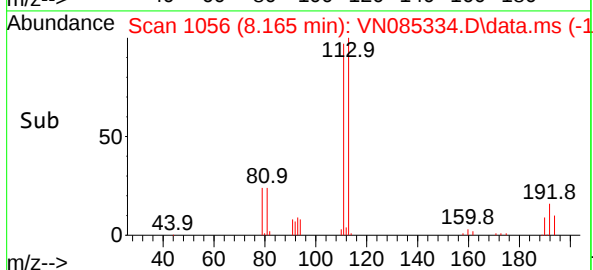
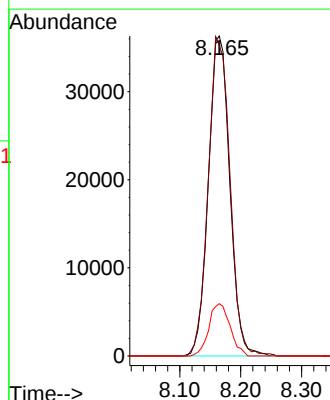
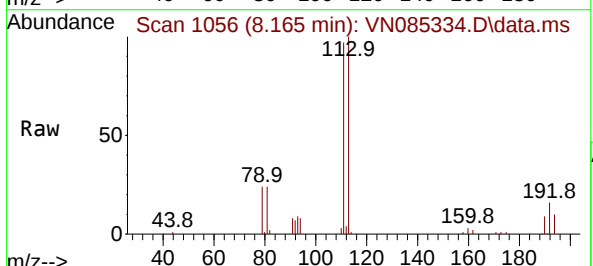
Tgt Ion:113 Resp: 88760

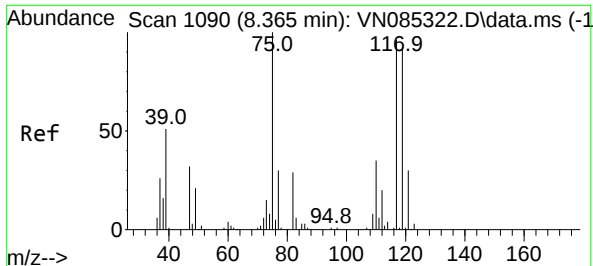
Ion Ratio Lower Upper

113 100

111 101.2 80.5 120.7

192 16.2 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.330 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

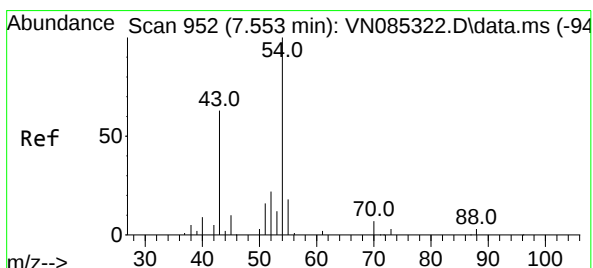
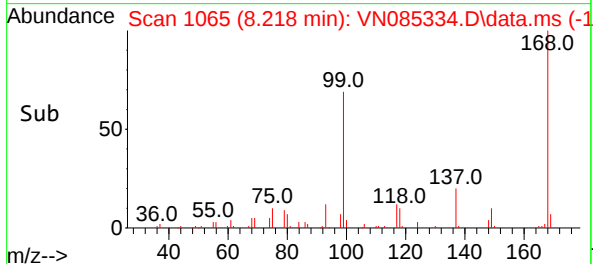
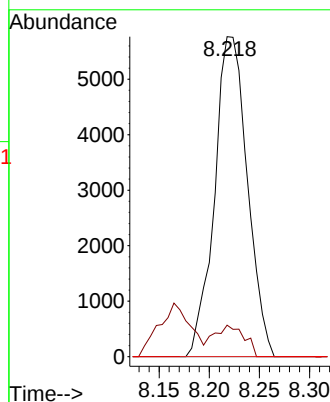
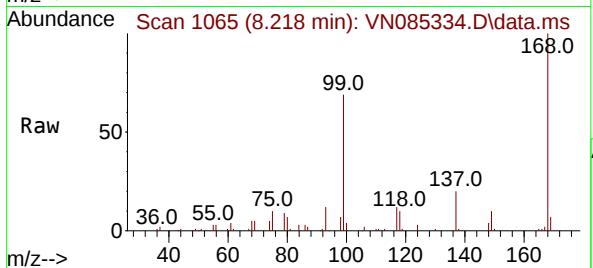
Tgt Ion: 75 Resp: 13158

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 1.660 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

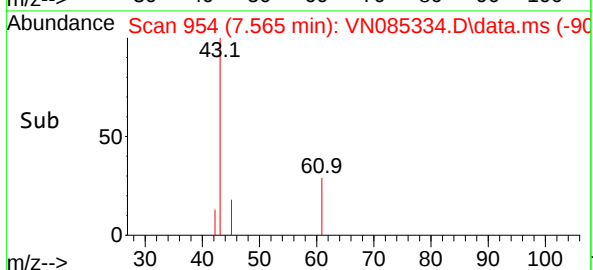
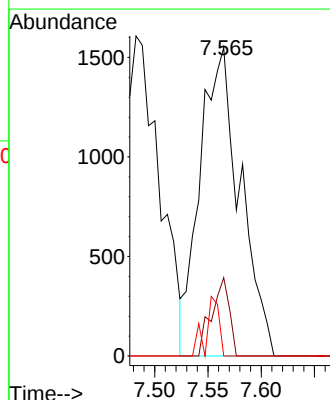
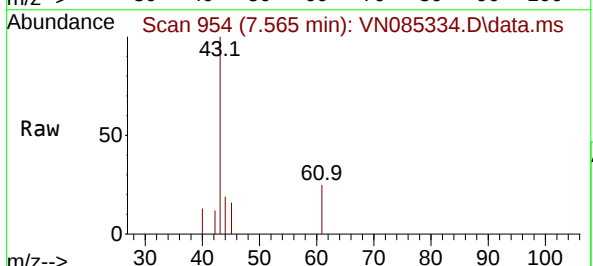
Tgt Ion: 43 Resp: 4073

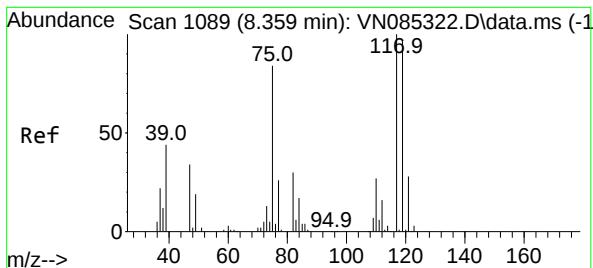
Ion Ratio Lower Upper

43 100

61 11.1 10.4 15.6

70 6.2 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

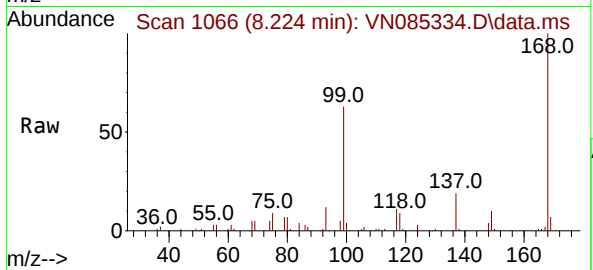
Lab File: VN085334.D

Acq: 27 Dec 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :



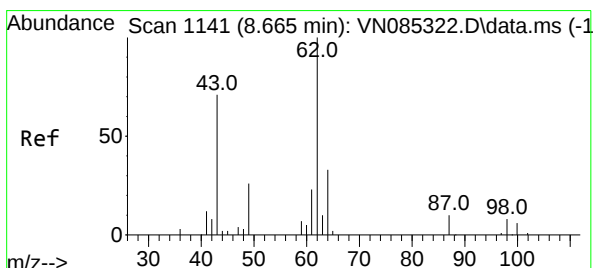
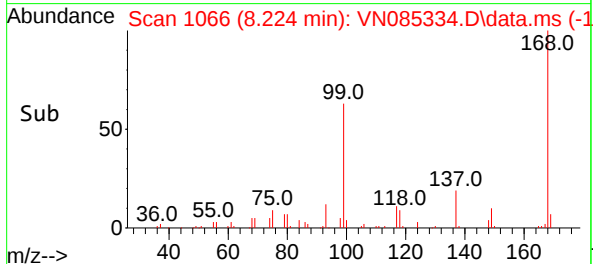
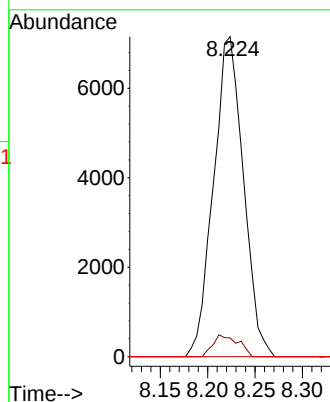
Tgt Ion:117 Resp: 15708

Ion Ratio Lower Upper

117 100

119 5.8 77.8 116.6#

121 0.0 22.5 33.7#



#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085334.D

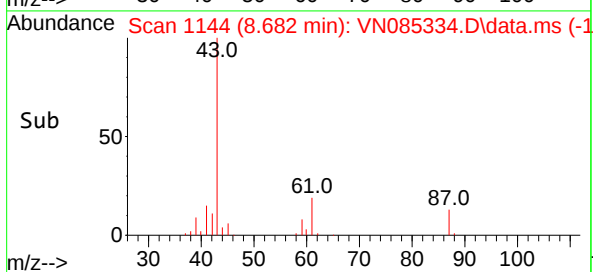
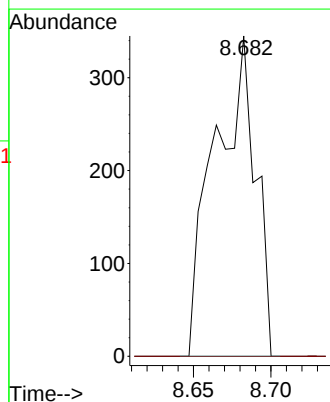
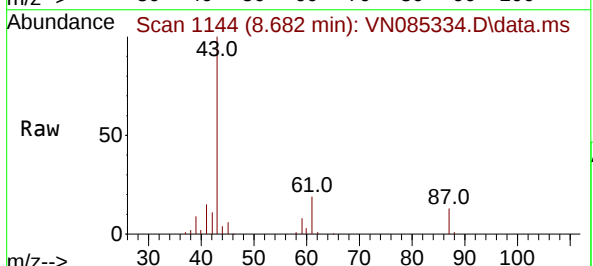
Acq: 27 Dec 2024 18:42

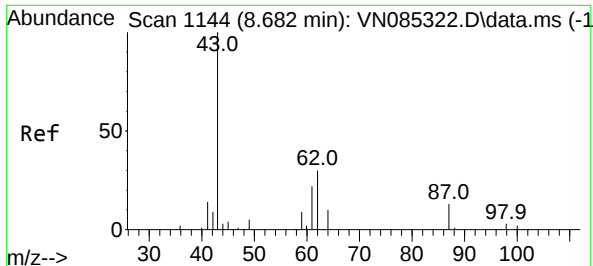
Tgt Ion: 62 Resp: 629

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6

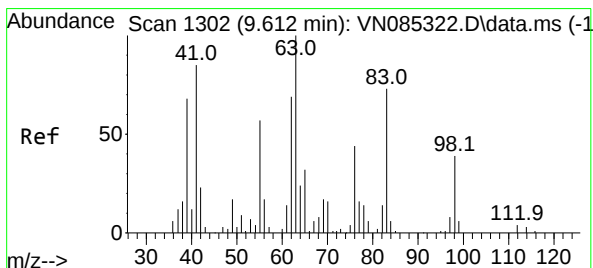
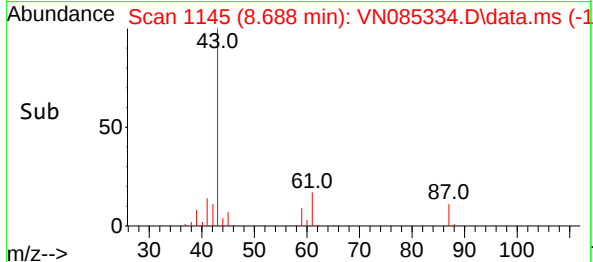
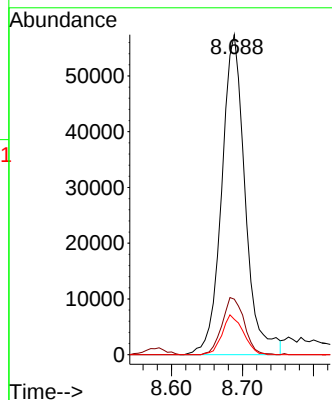
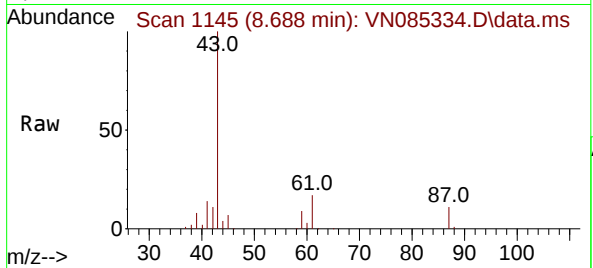




#43
Isopropyl Acetate
Concen: 32.521 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

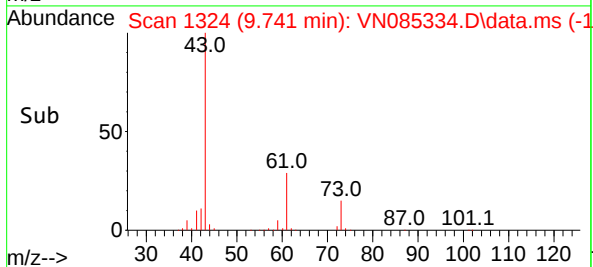
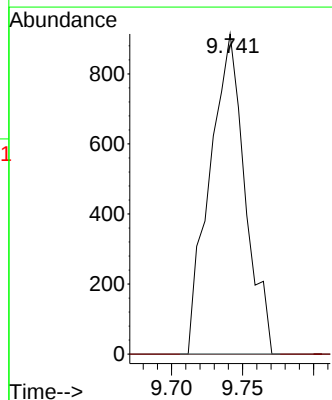
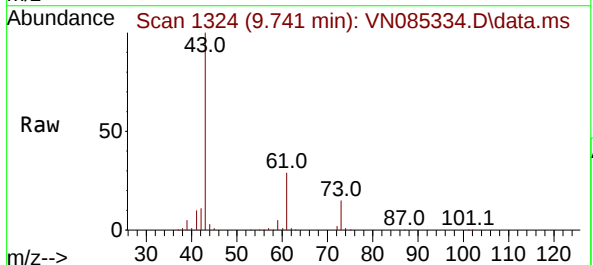
Instrument :
MSVOA_N
ClientSampleId :

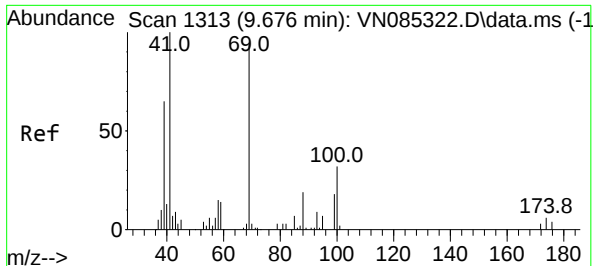
Tgt Ion: 43 Resp: 131400
Ion Ratio Lower Upper
43 100
61 16.8 20.8 31.2#
87 11.2 10.2 15.4



#45
1,2-Dichloropropane
Concen: 0.834 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.129 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

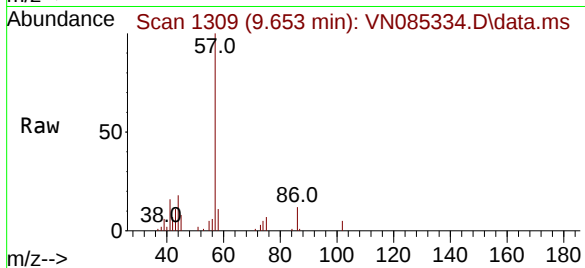
Tgt Ion: 63 Resp: 1581
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



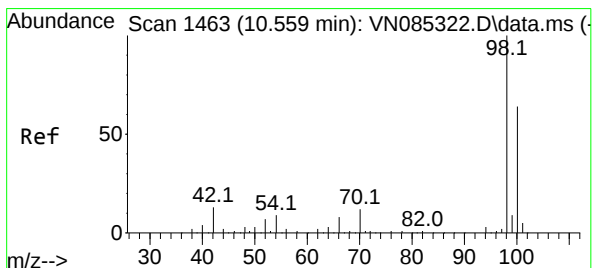
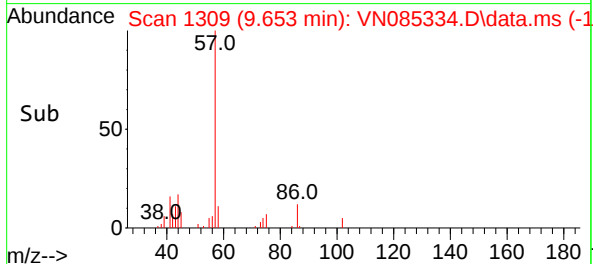
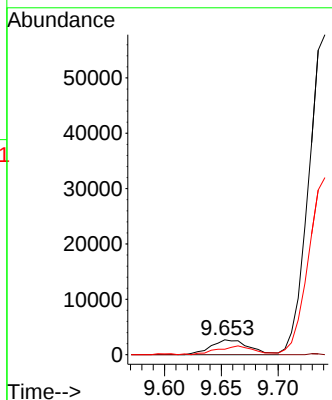


#48
Methyl methacrylate
Concen: 3.585 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

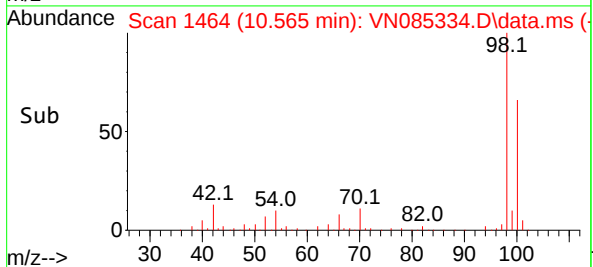
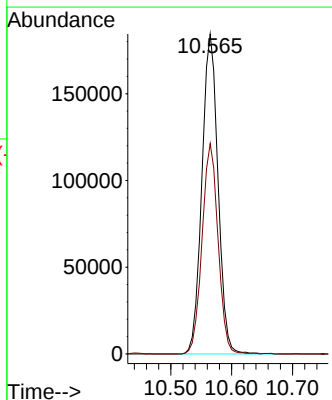
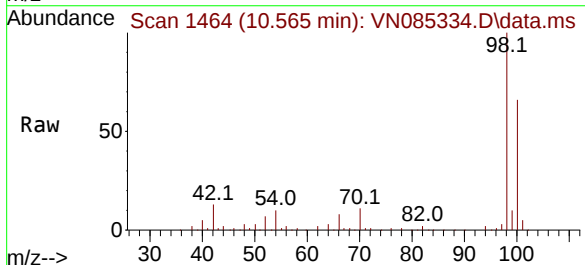


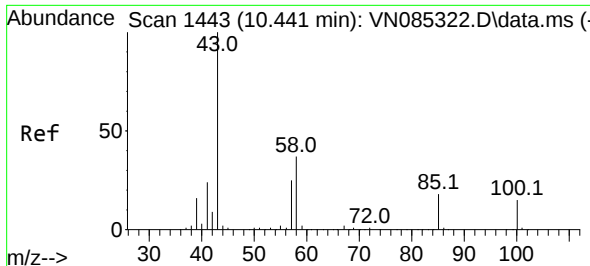
Tgt Ion: 41 Resp: 6285
Ion Ratio Lower Upper
41 100
69 0.0 67.7 101.5#
39 57.5 51.2 76.8



#50
Toluene-d8
Concen: 54.761 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 98 Resp: 338827
Ion Ratio Lower Upper
98 100
100 65.4 51.5 77.3

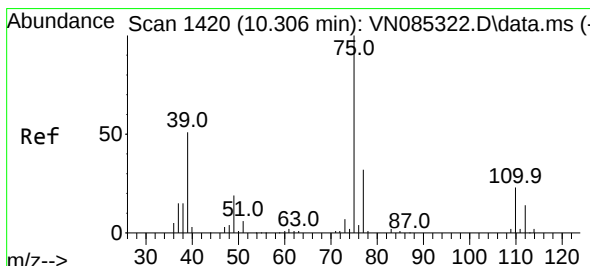
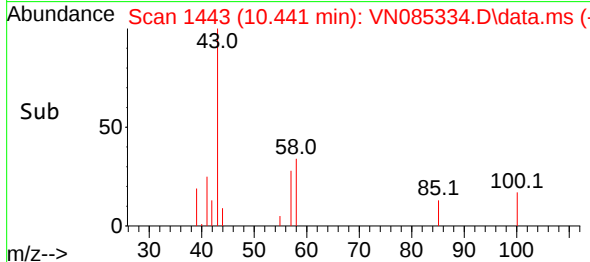
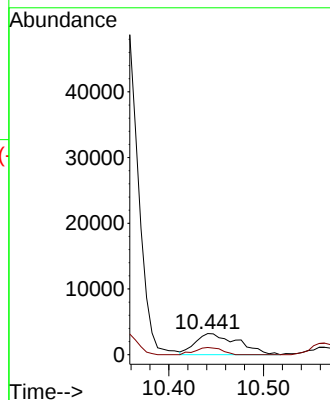
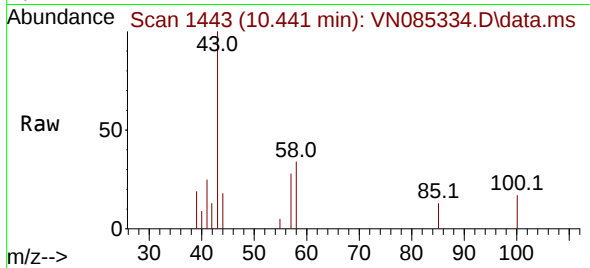




#51
4-Methyl-2-Pentanone
Concen: 4.452 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

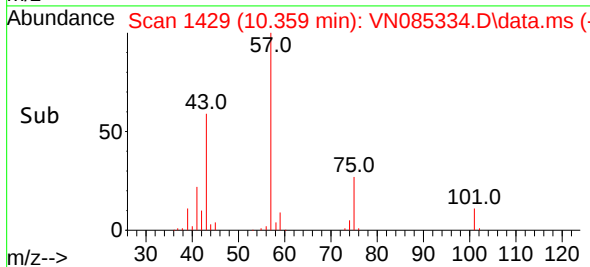
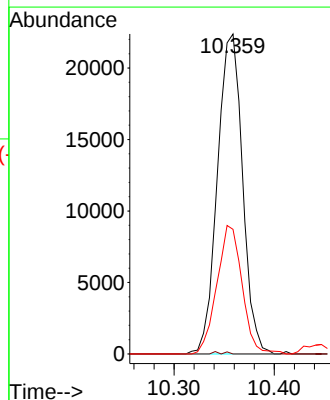
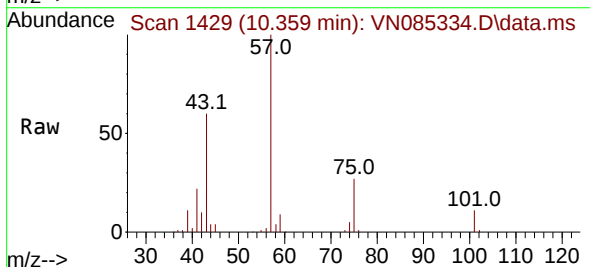
Instrument :
MSVOA_N
ClientSampleId :

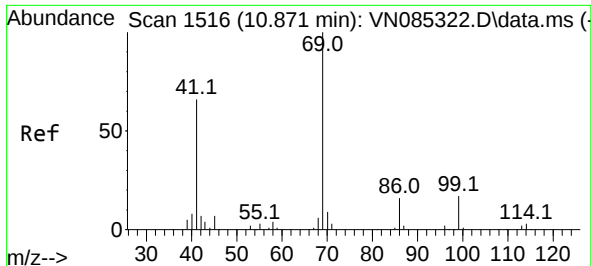
Tgt Ion: 43 Resp: 10109
Ion Ratio Lower Upper
43 100
58 21.2 30.3 45.5#



#54
cis-1,3-Dichloropropene
Concen: 13.338 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 75 Resp: 38848
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#
39 39.0 40.5 60.7#

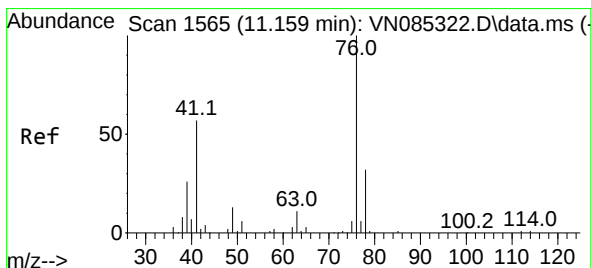
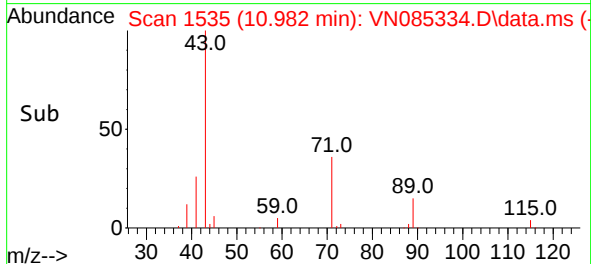
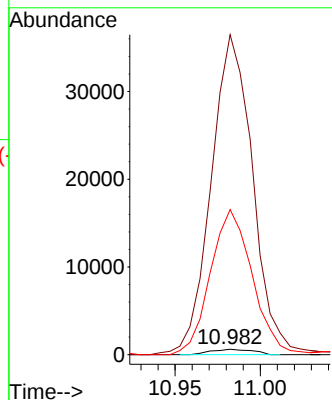
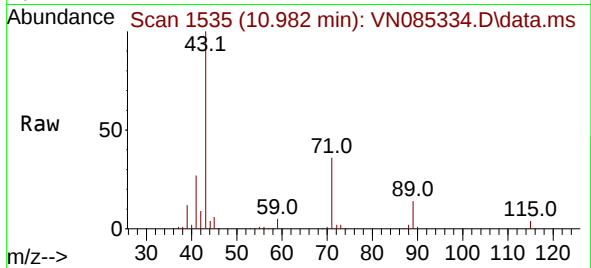




#56
Ethyl methacrylate
Concen: 0.438 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

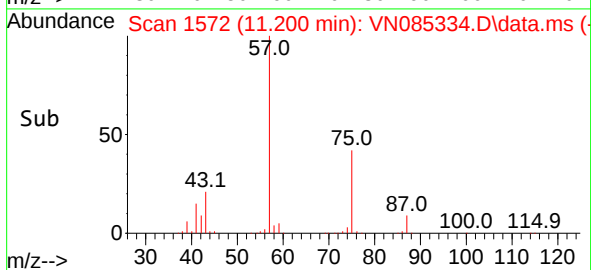
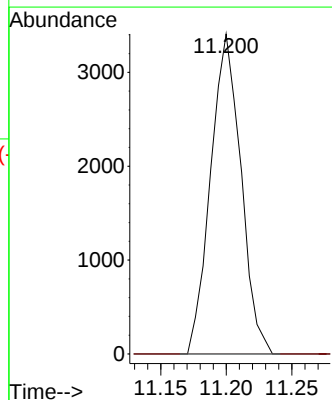
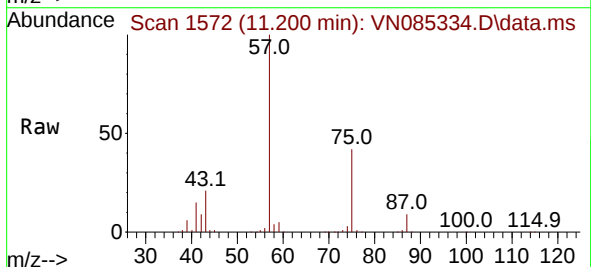
Instrument :
MSVOA_N
ClientSampleId :

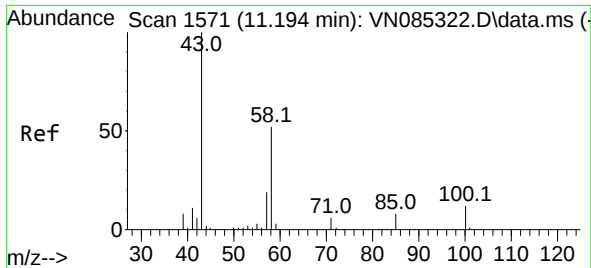
Tgt Ion: 69 Resp: 1071
Ion Ratio Lower Upper
69 100
41 5810.4 54.3 81.5#
39 2646.8 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.860 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 76 Resp: 5477
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

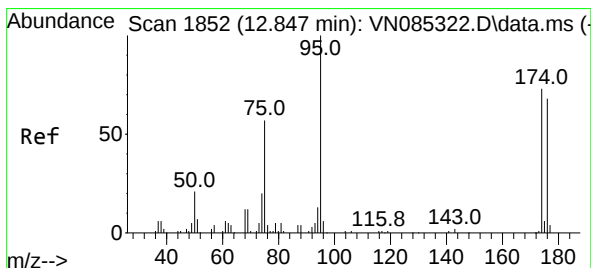
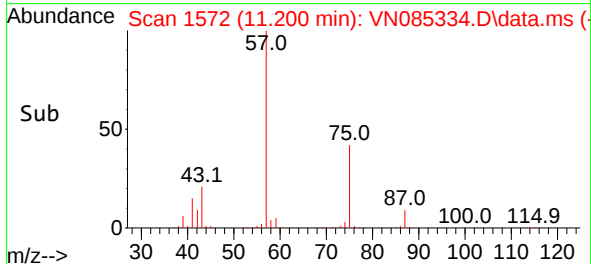
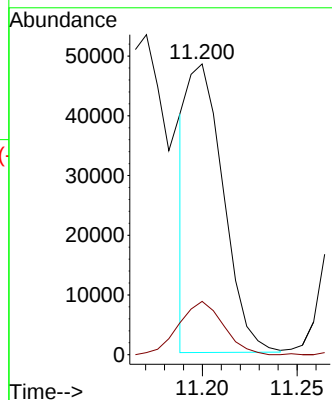
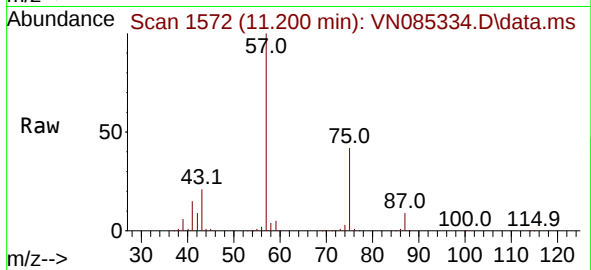




#59
2-Hexanone
Concen: 40.332 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

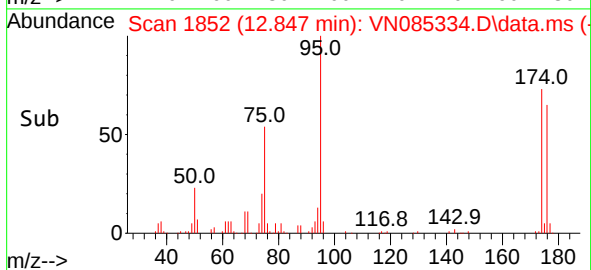
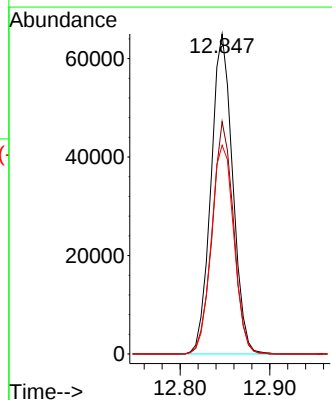
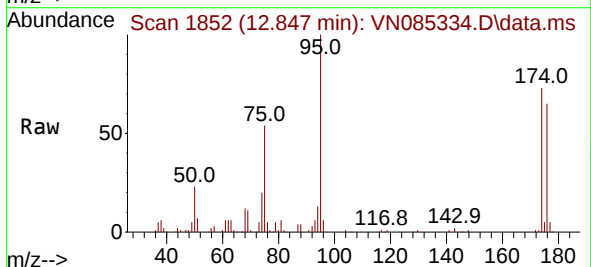
Instrument :
MSVOA_N
ClientSampleId :

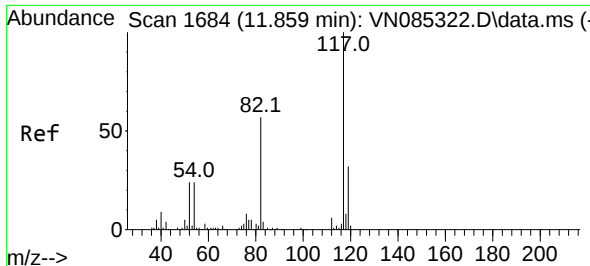
Tgt Ion: 43 Resp: 63538
Ion Ratio Lower Upper
43 100
58 23.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 95 Resp: 108857
Ion Ratio Lower Upper
95 100
174 71.2 0.0 143.2
176 68.5 0.0 135.8

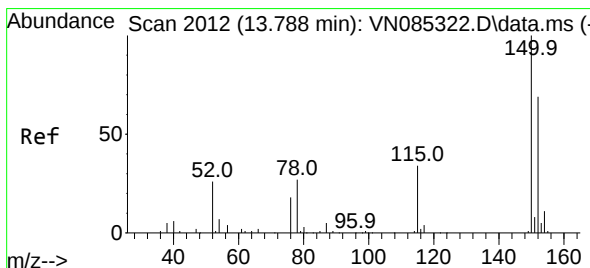
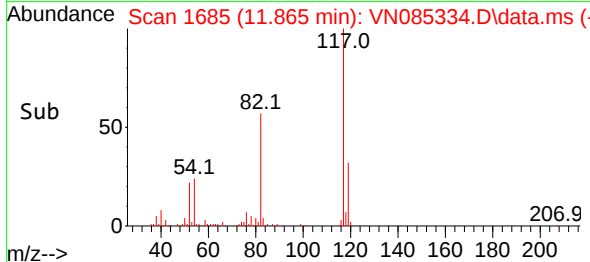
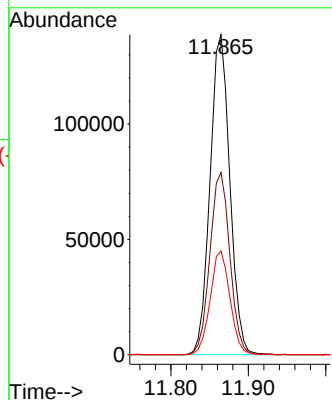
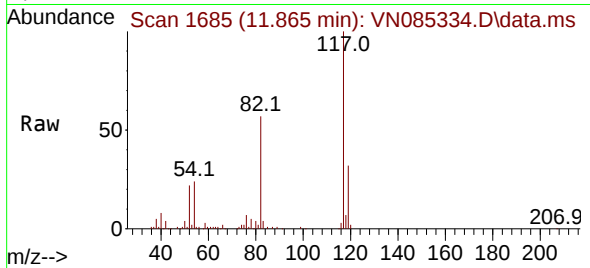




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

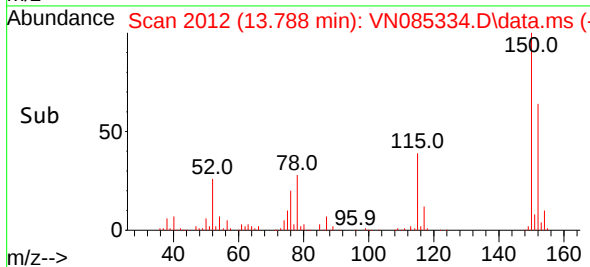
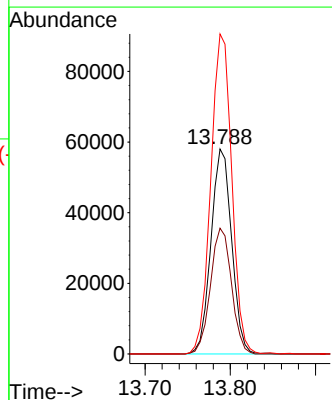
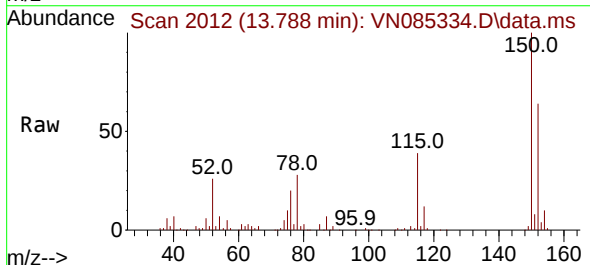
Instrument :
MSVOA_N
ClientSampleId :

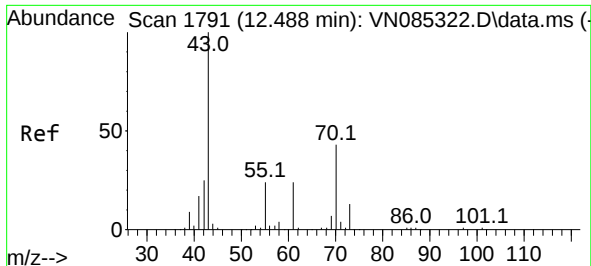
Tgt Ion:117 Resp: 246031
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

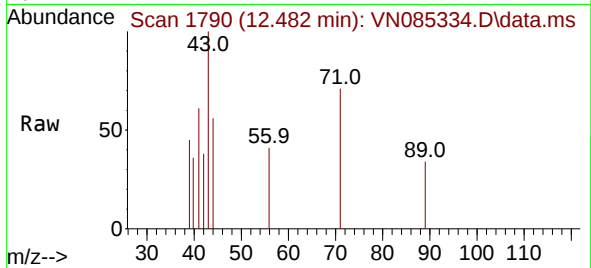
Tgt Ion:152 Resp: 98028
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 158.1 0.0 345.0



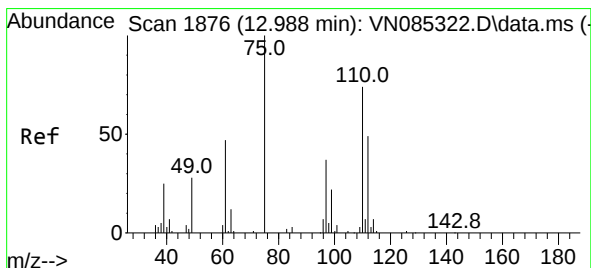
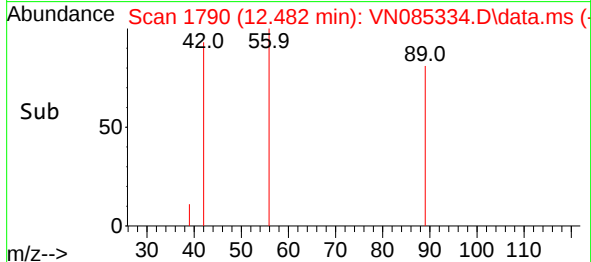
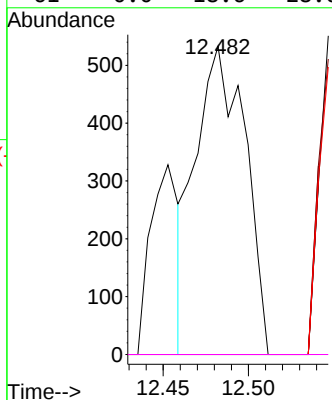


#74
N-amy1 acetate
Concen: 0.358 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

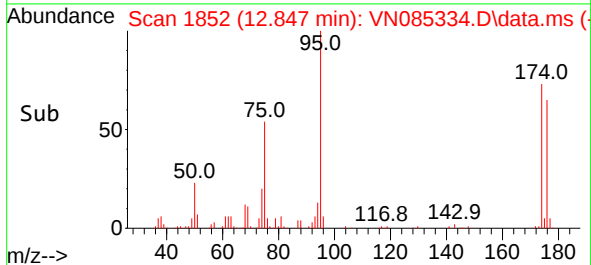
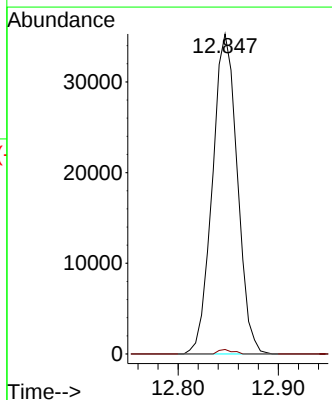
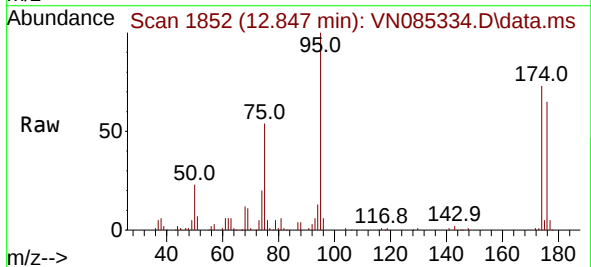


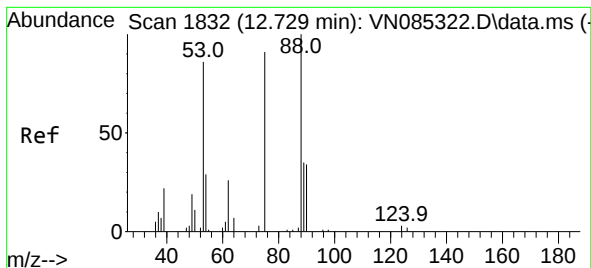
Tgt Ion: 43	Resp: 1079
Ion Ratio	Lower Upper
43 100	
70 0.0	33.4 50.0#
55 0.0	19.2 28.8#
61 0.0	18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 33.274 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 75	Resp: 60910
Ion Ratio	Lower Upper
75 100	
77 0.8	98.1 294.3#

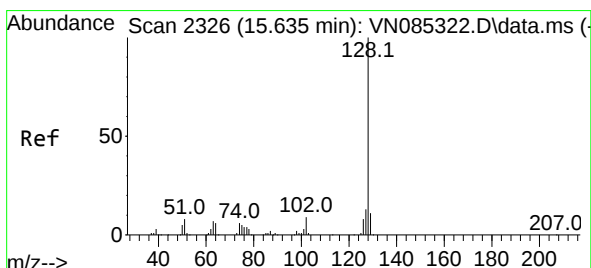
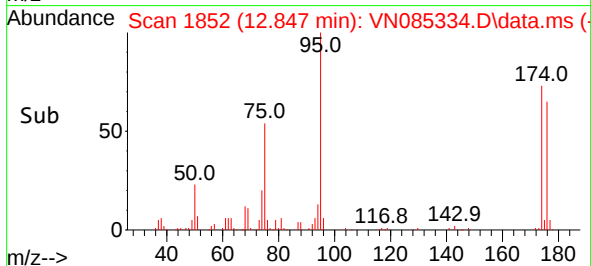
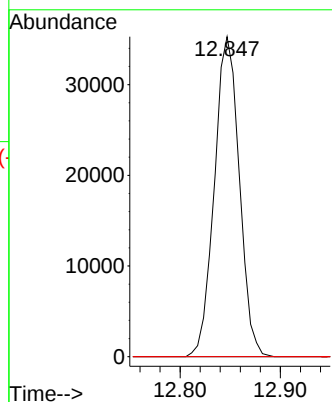
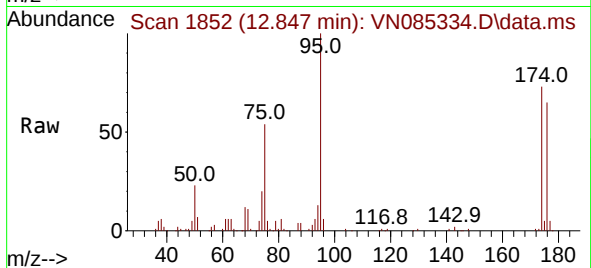




#81
trans-1,4-Dichloro-2-butene
Concen: 79.686 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 60910
Ion Ratio Lower Upper
75 100
53 0.0 80.0 120.0#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 0.405 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion:128 Resp: 2067
Ion Ratio Lower Upper
128 100
127 11.8 10.6 16.0
129 0.0 8.5 12.7#

