

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085046.D
 Acq On : 26 Nov 2024 16:35
 Operator : JC\MD
 Sample : P5000-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

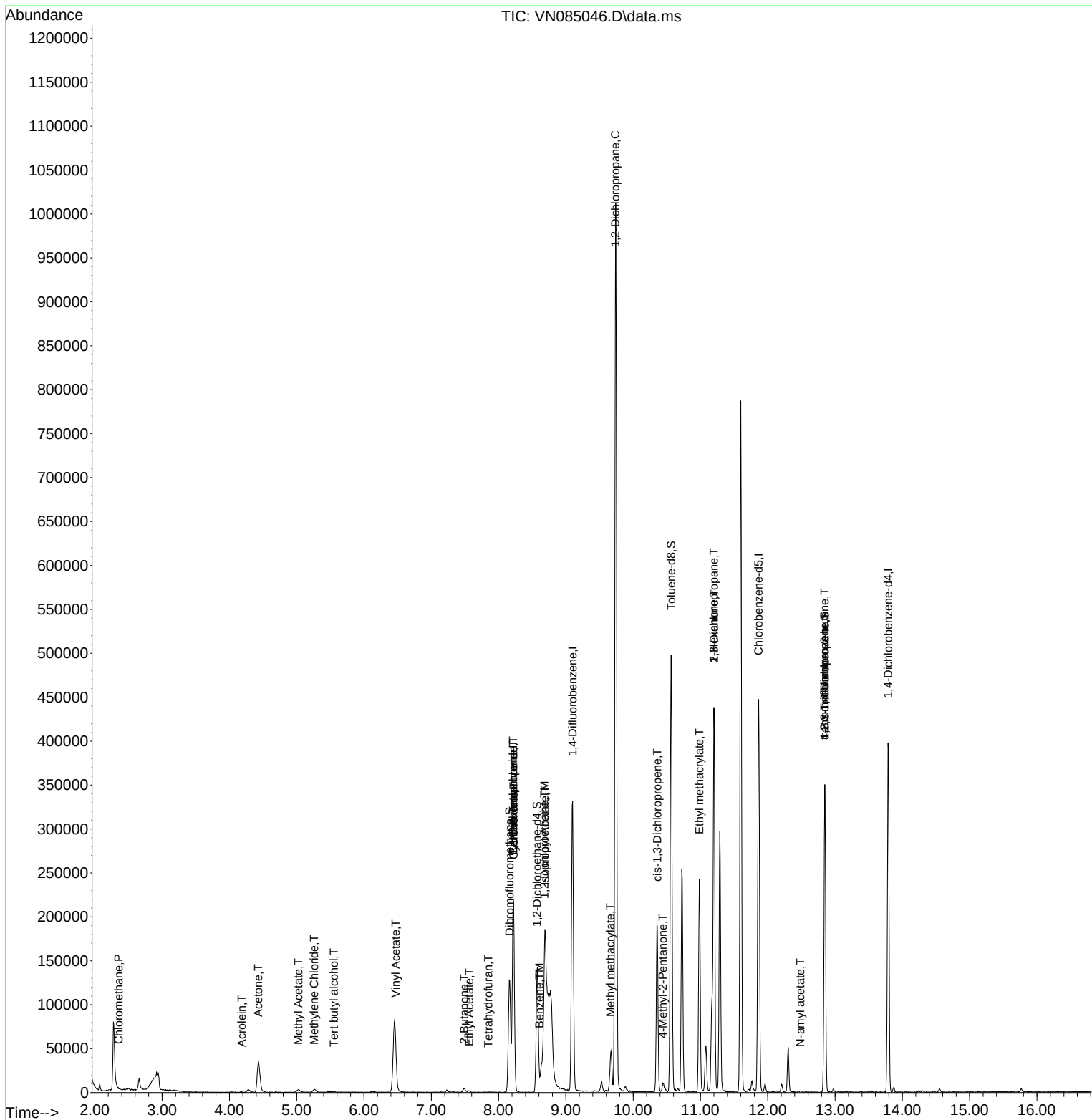
Quant Time: Nov 27 05:17:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

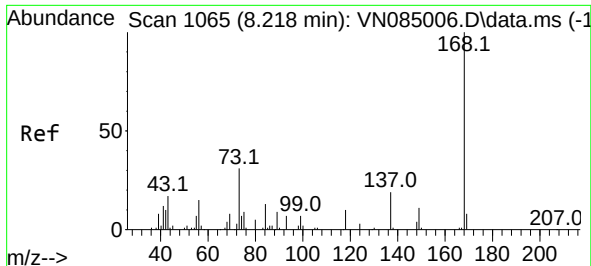
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	156639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118192	52.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.940%
35) Dibromofluoromethane	8.165	113	94793	49.220	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.440%
50) Toluene-d8	10.565	98	338992	49.115	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.847	95	120921	46.848	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	582	0.283	ug/l #	40
11) Tert butyl alcohol	5.553	59	1356	4.548	ug/l #	75
13) Acrolein	4.183	56	389	1.955	ug/l #	56
16) Acetone	4.430	43	65433	100.695	ug/l	96
18) Methyl Acetate	5.024	43	6650	2.103	ug/l #	82
20) Methylene Chloride	5.259	84	2573	1.298	ug/l #	80
23) Vinyl Acetate	6.471	43	1597	0.410	ug/l #	71
25) 2-Butanone	7.489	43	7464	7.026	ug/l	92
29) Tetrahydrofuran	7.847	42	138	0.209	ug/l #	31
31) Cyclohexane	8.224	56	3494	1.176	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	13926	5.338	ug/l #	50
37) Ethyl Acetate	7.565	43	3061	1.291	ug/l #	80
38) Carbon Tetrachloride	8.218	117	17031	5.656	ug/l #	15
40) Benzene	8.606	78	2793	0.339	ug/l	100
42) 1,2-Dichloroethane	8.683	62	666	0.236	ug/l #	75
43) Isopropyl Acetate	8.688	43	316730	64.296	ug/l #	69
45) 1,2-Dichloropropane	9.735	63	1299	0.639	ug/l #	45
48) Methyl methacrylate	9.659	41	3223	1.758	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	11776	5.234	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	34527	10.847	ug/l #	69
56) Ethyl methacrylate	10.982	69	1519	0.571	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4927	1.539	ug/l #	42
59) 2-Hexanone	11.200	43	55139	32.766	ug/l #	55
74) N-amyl acetate	12.482	43	890	0.290	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	64778	33.739	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64778	74.481	ug/l #	10

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

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Response via : Initial Calibration

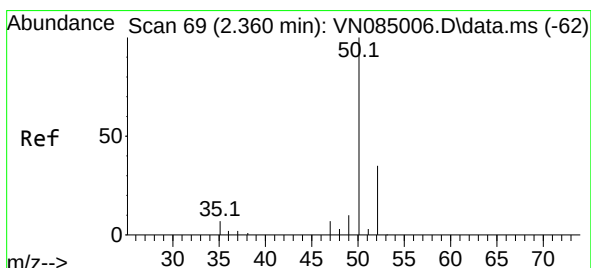
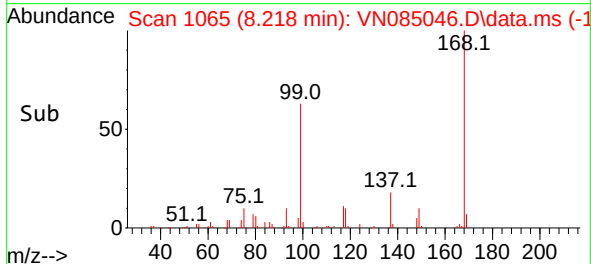
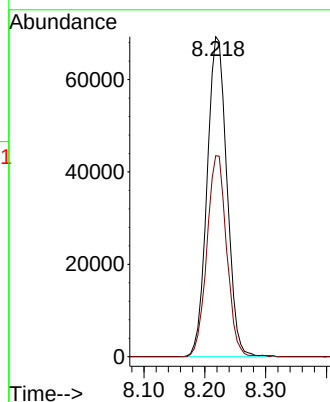
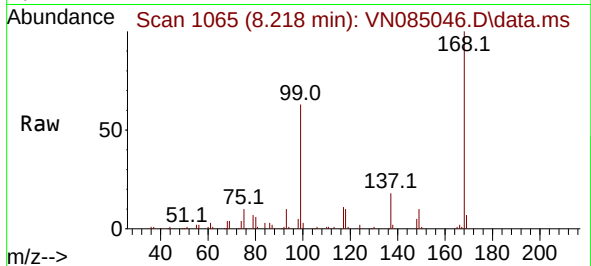




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

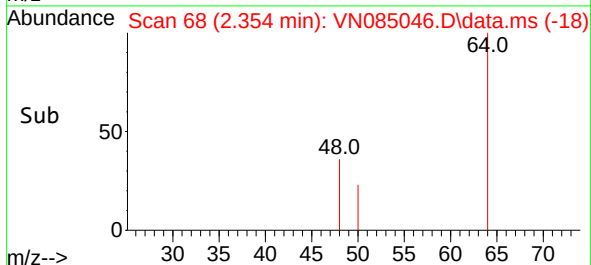
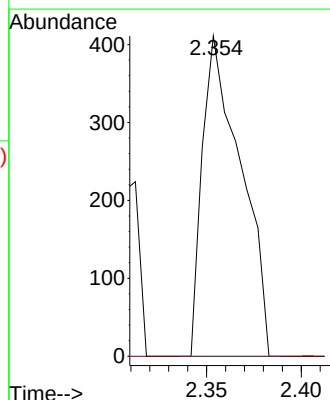
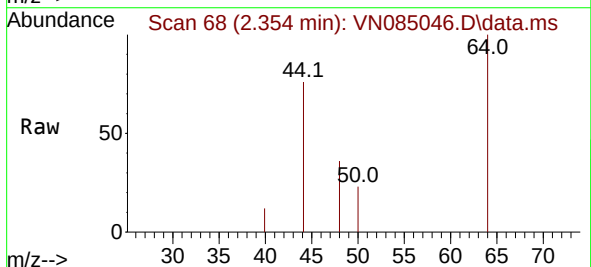
Instrument :
MSVOA_N
ClientSampleId :

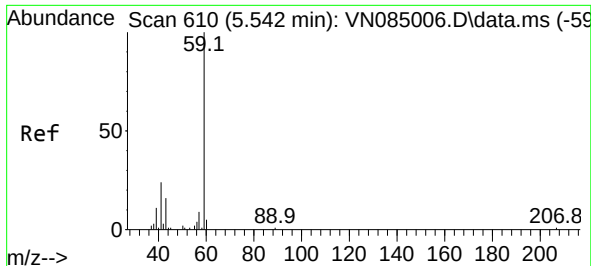
Tgt Ion:168 Resp: 156639
Ion Ratio Lower Upper
168 100
99 62.8 51.2 76.8



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 50 Resp: 582
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#





#11

Tert butyl alcohol

Concen: 4.548 ug/l

RT: 5.553 min Scan# 61

Delta R.T. 0.012 min

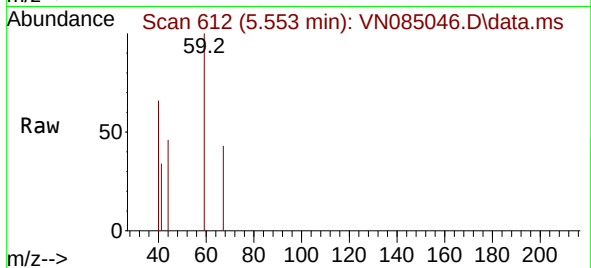
Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

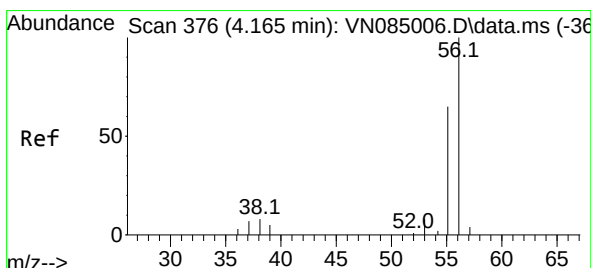
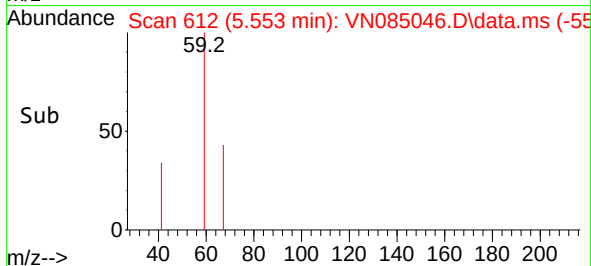
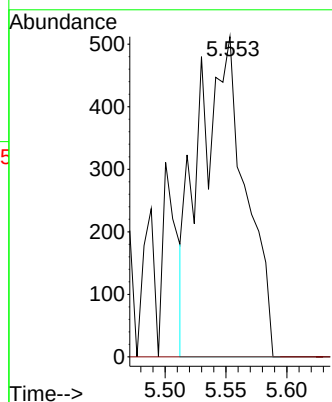


Tgt Ion: 59 Resp: 1356

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#13

Acrolein

Concen: 1.955 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.018 min

Lab File: VN085046.D

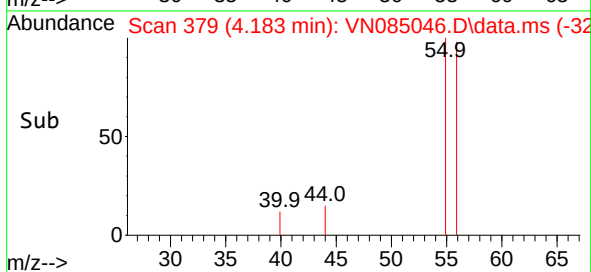
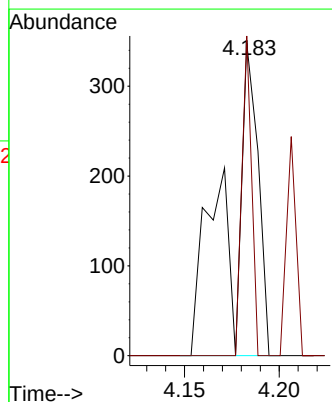
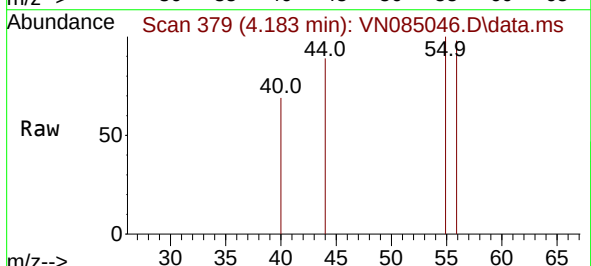
Acq: 26 Nov 2024 16:35

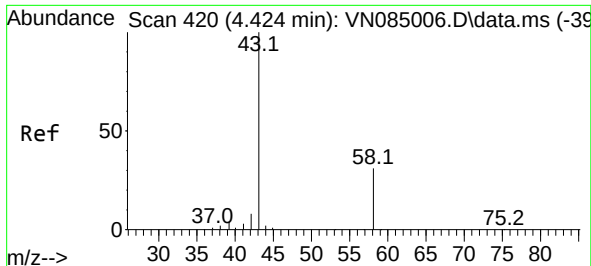
Tgt Ion: 56 Resp: 389

Ion Ratio Lower Upper

56 100

55 32.4 54.5 81.7#

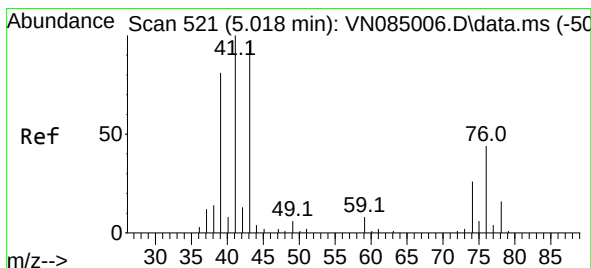
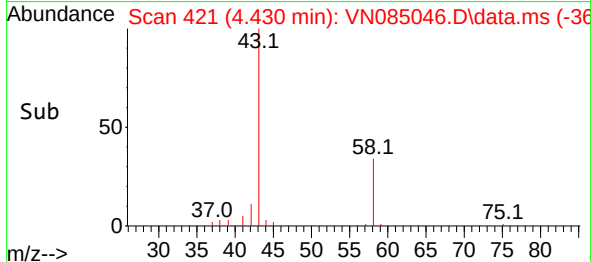
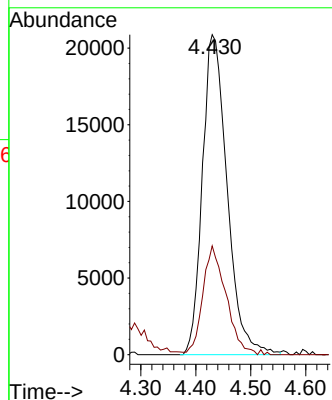
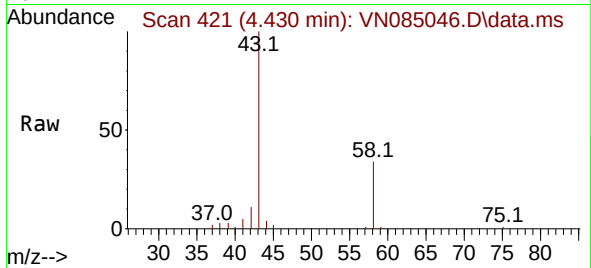




#16
Acetone
Concen: 100.695 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

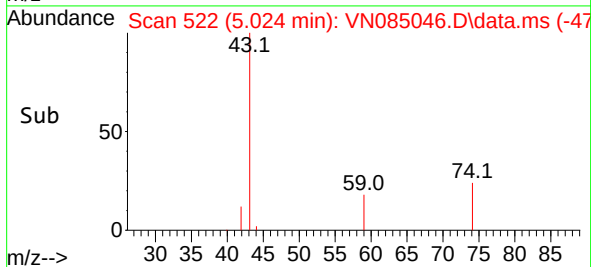
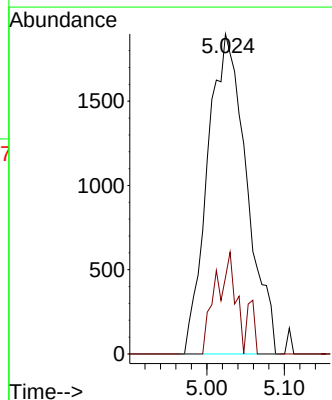
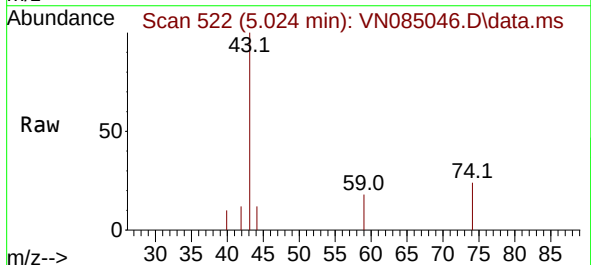
Instrument :
MSVOA_N
ClientSampleId :

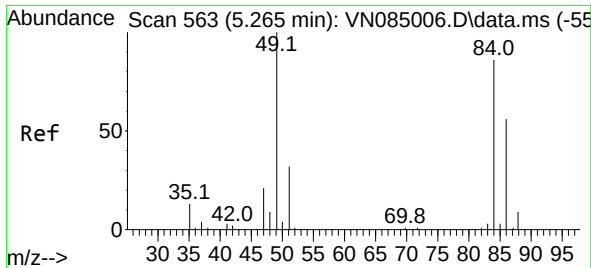
Tgt Ion: 43 Resp: 65433
Ion Ratio Lower Upper
43 100
58 34.0 25.4 38.2



#18
Methyl Acetate
Concen: 2.103 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 6650
Ion Ratio Lower Upper
43 100
74 16.2 20.1 30.1#



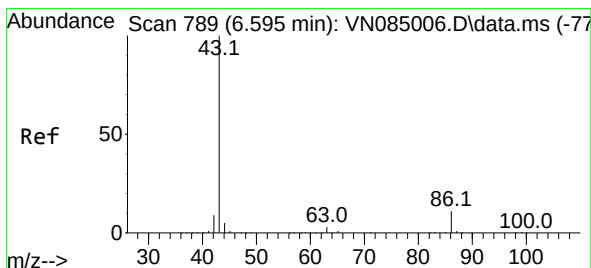
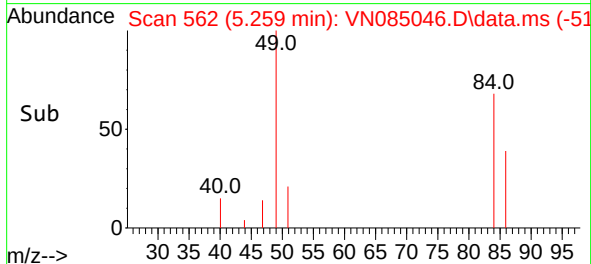
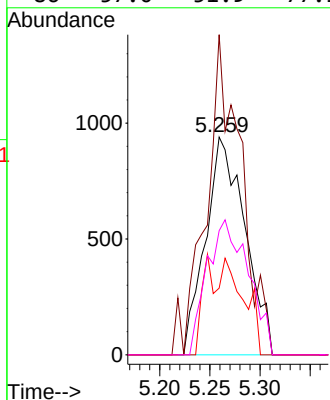
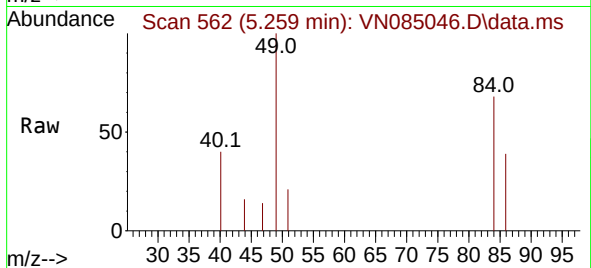


#20
Methylene Chloride
Concen: 1.298 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 2573

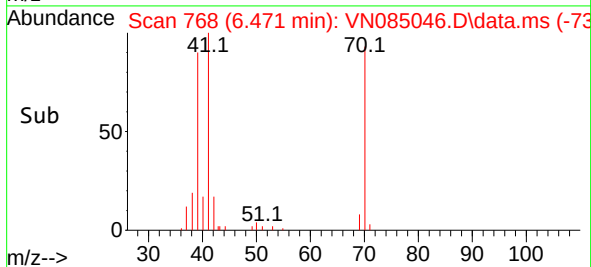
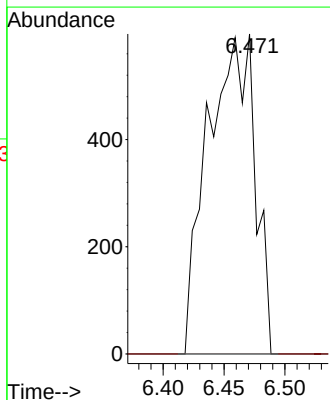
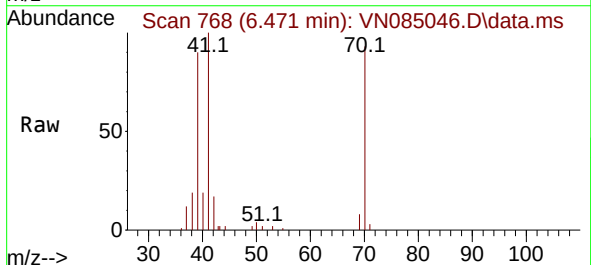
Ion	Ratio	Lower	Upper
84	100		
49	147.0	92.7	139.1#
51	30.6	29.4	44.2
86	57.0	51.9	77.9

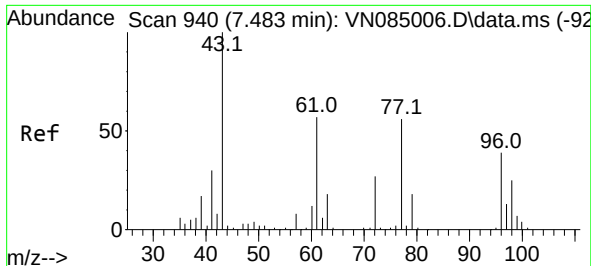


#23
Vinyl Acetate
Concen: 0.410 ug/l
RT: 6.471 min Scan# 768
Delta R.T. -0.124 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 1597

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#

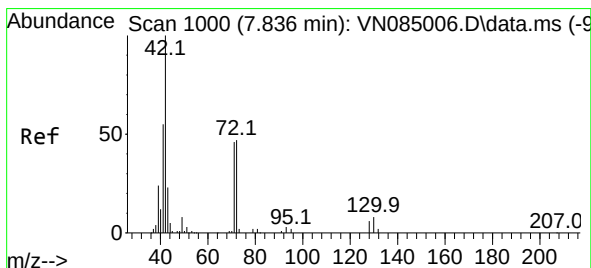
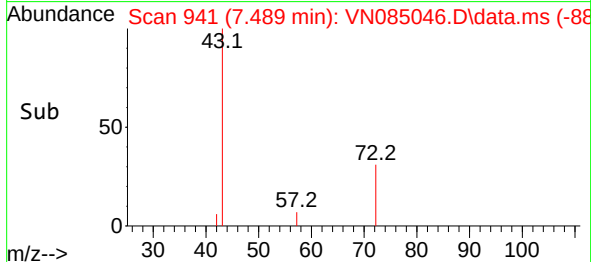
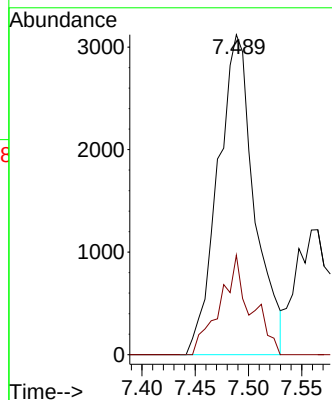
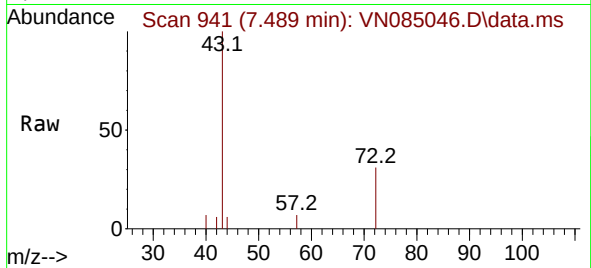




#25
2-Butanone
Concen: 7.026 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

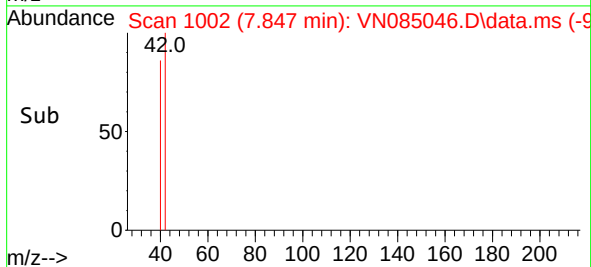
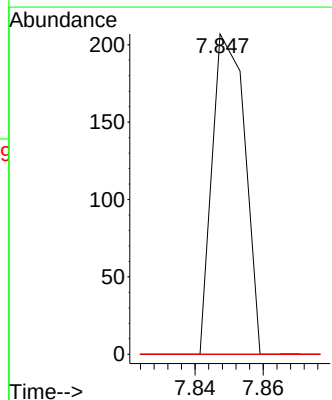
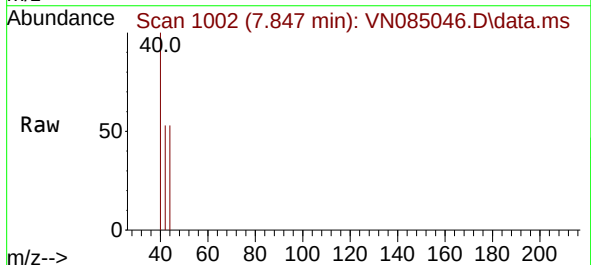
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MSVOA_N
ClientSampleId :

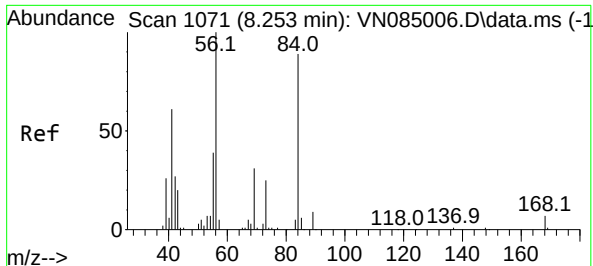
Tgt Ion: 43 Resp: 7464
Ion Ratio Lower Upper
43 100
72 31.1 21.4 32.0



#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

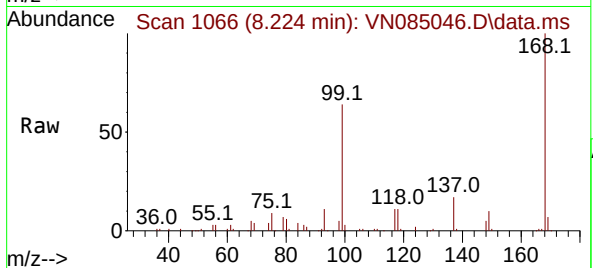
Tgt Ion: 42 Resp: 138
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 35.0 52.4#



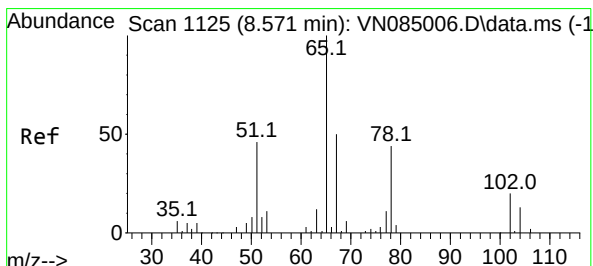
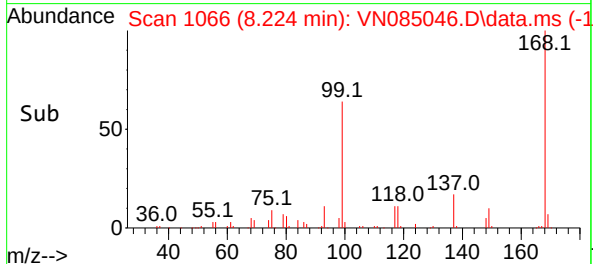
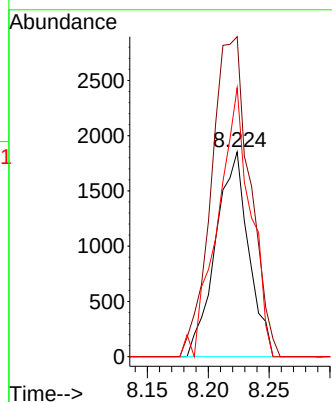


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

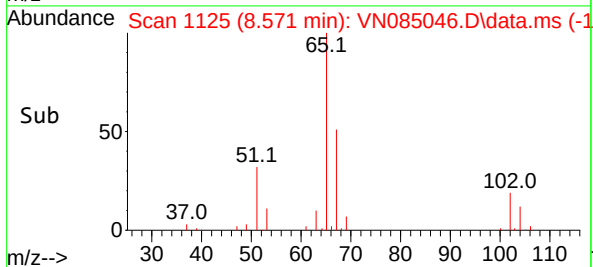
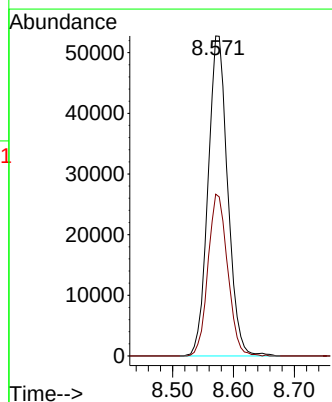
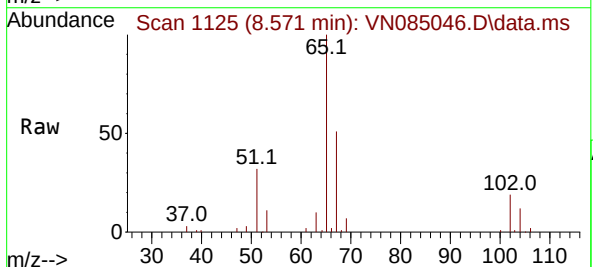


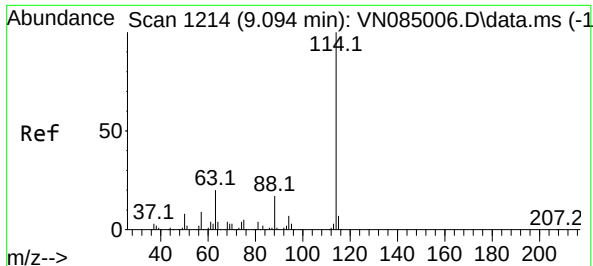
Tgt Ion: 56 Resp: 3494
Ion Ratio Lower Upper
56 100
69 156.3 24.6 36.8#
84 131.4 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 52.972 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 65 Resp: 118192
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0

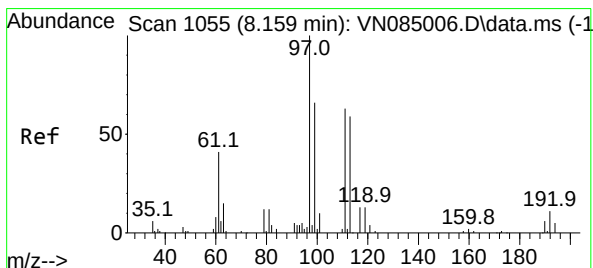
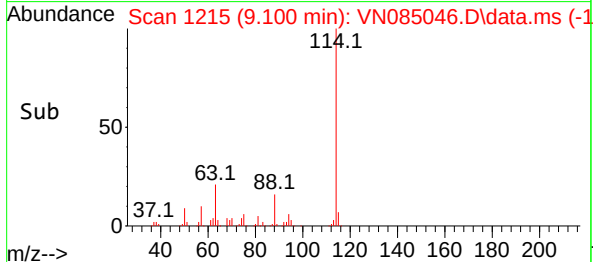
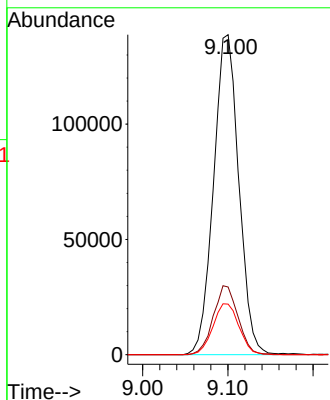
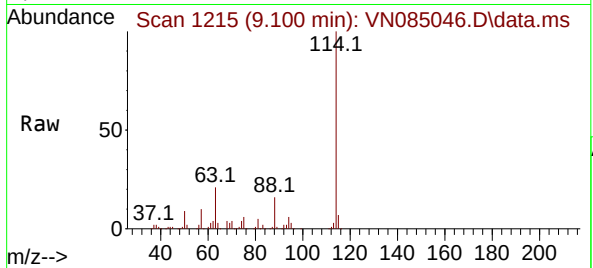




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

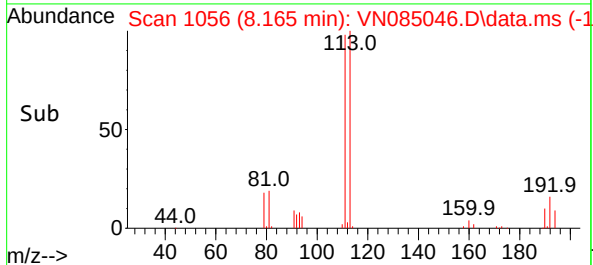
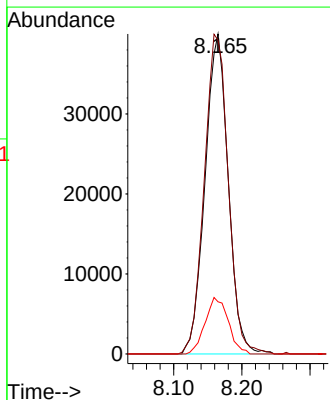
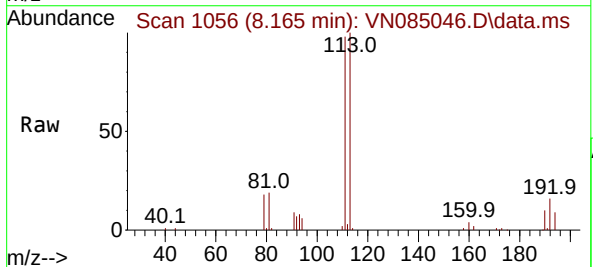
Instrument :
MSVOA_N
ClientSampleId :

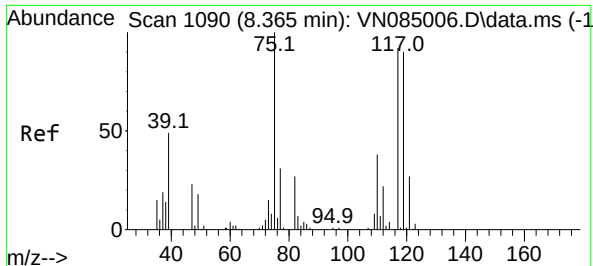
Tgt Ion:114 Resp: 285590
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.220 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion:113 Resp: 94793
Ion Ratio Lower Upper
113 100
111 103.0 82.0 123.0
192 17.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.338 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

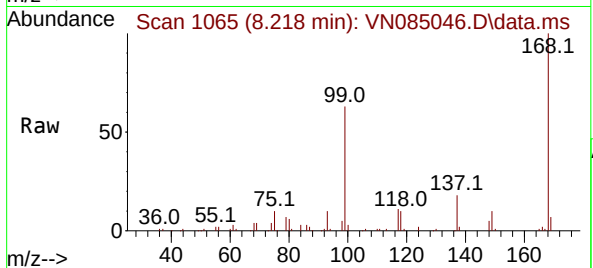
Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

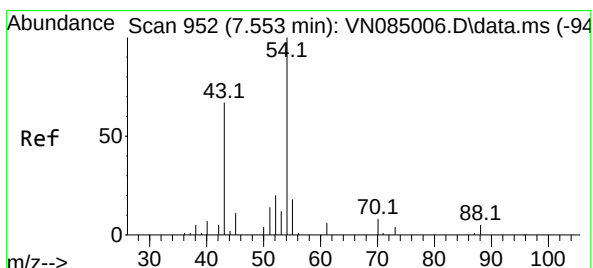
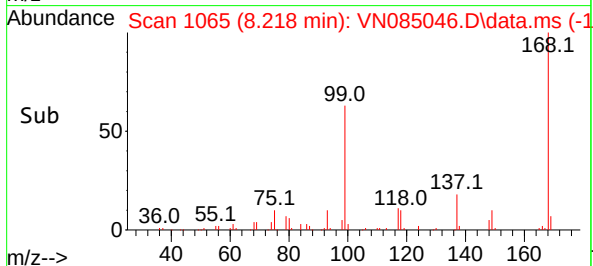
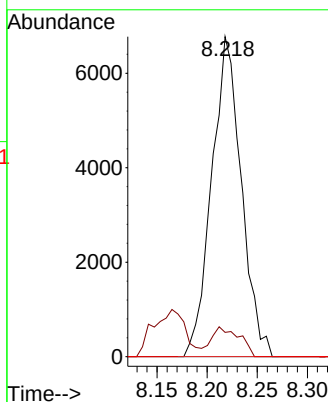
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13926
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.2	51.6#
77	0.0	24.2	36.4#



#37

Ethyl Acetate

Concen: 1.291 ug/l

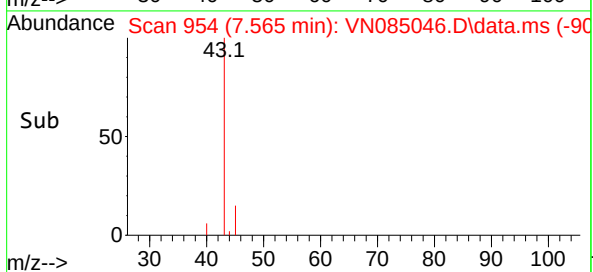
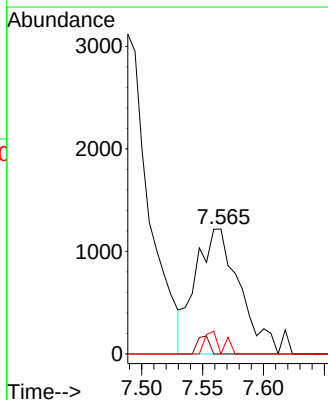
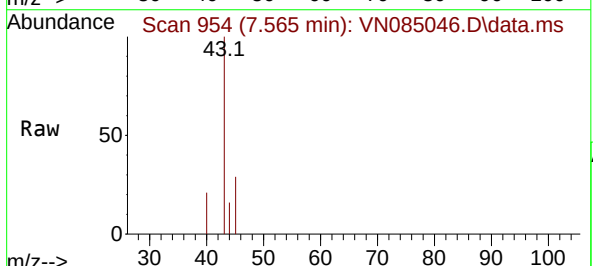
RT: 7.565 min Scan# 954

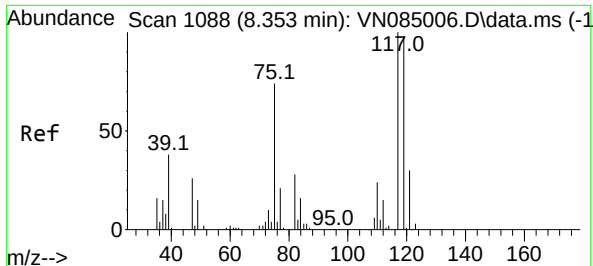
Delta R.T. 0.012 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

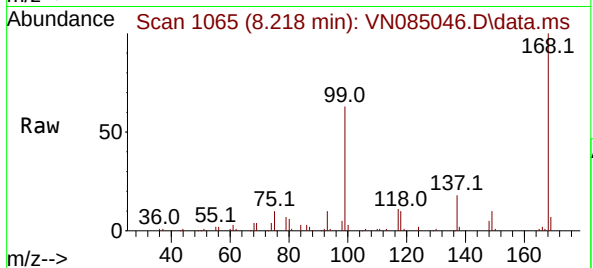
Tgt Ion:	43	Resp:	3061
Ion	Ratio	Lower	Upper
43	100		
61	3.9	11.7	17.5#
70	6.6	9.3	13.9#



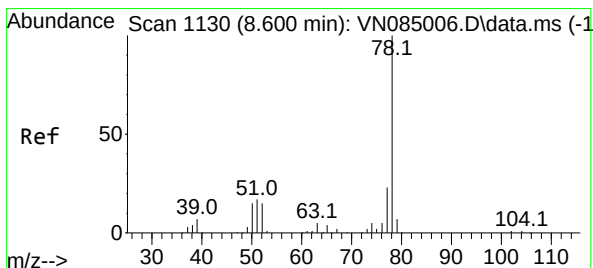
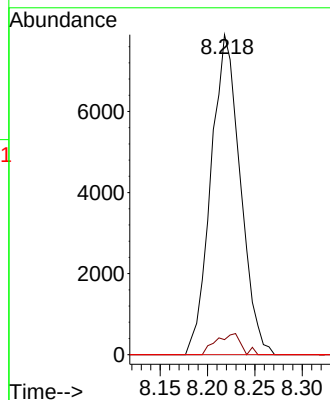
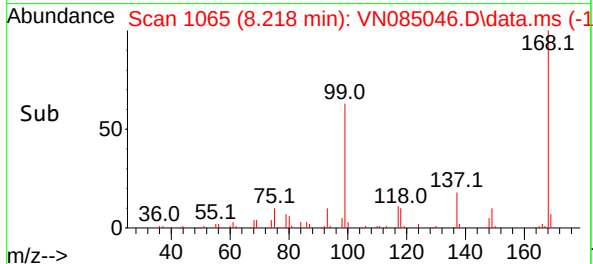


#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

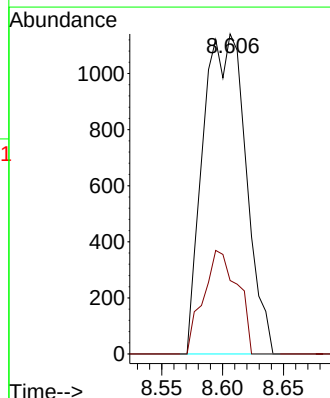
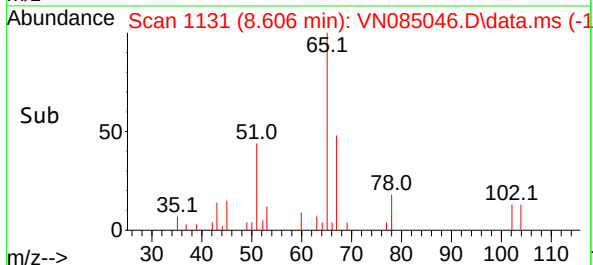
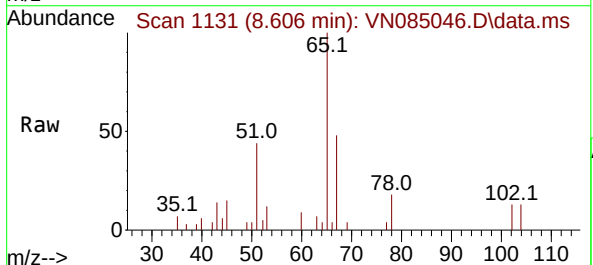


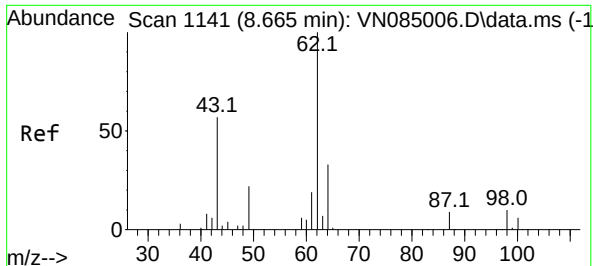
Tgt Ion:117 Resp: 17031
Ion Ratio Lower Upper
117 100
119 4.7 78.6 117.8#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.339 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 78 Resp: 2793
Ion Ratio Lower Upper
78 100
77 23.0 18.5 27.7





#42

1,2-Dichloroethane

Concen: 0.236 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

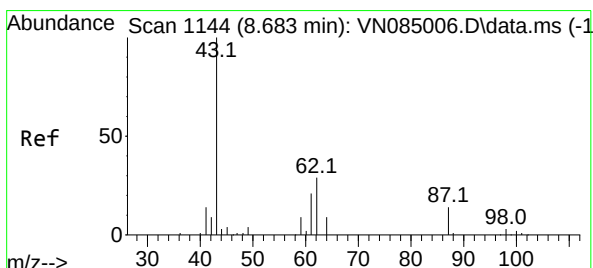
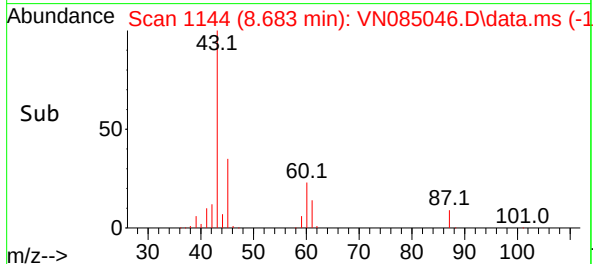
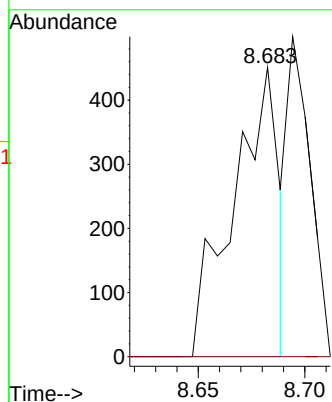
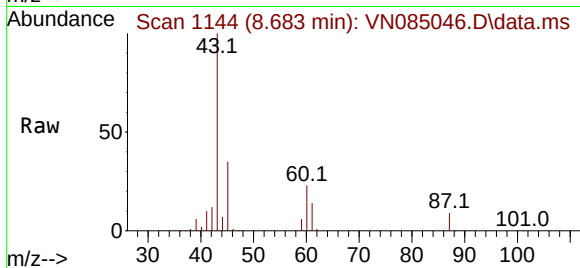
ClientSampleId :

Tgt Ion: 62 Resp: 666

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 64.296 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

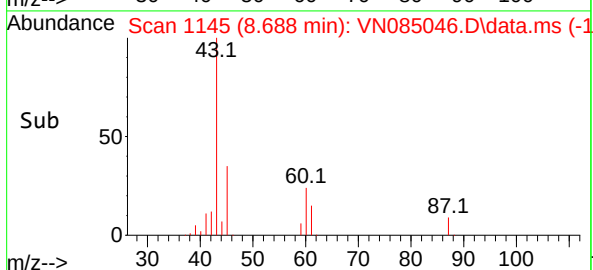
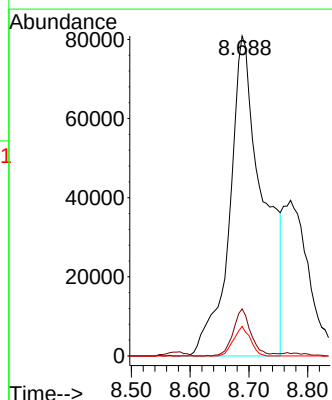
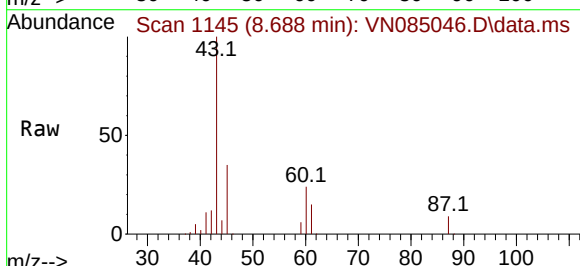
Tgt Ion: 43 Resp: 316730

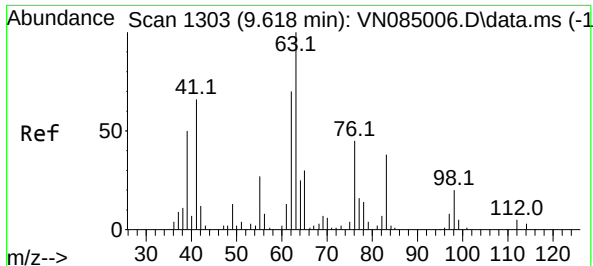
Ion Ratio Lower Upper

43 100

61 7.8 20.6 30.8#

87 4.6 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.639 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

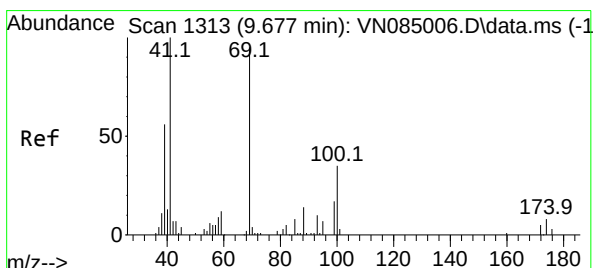
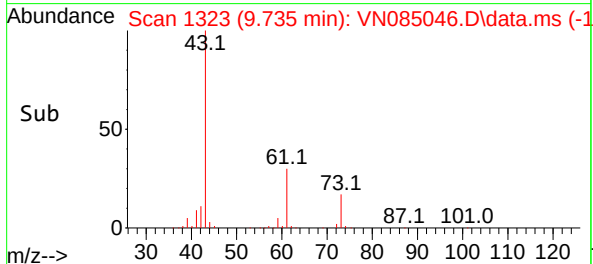
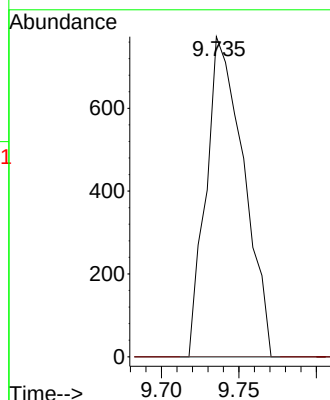
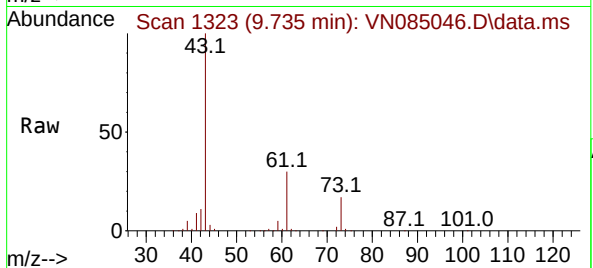
ClientSampleId :

Tgt Ion: 63 Resp: 1299

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.758 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

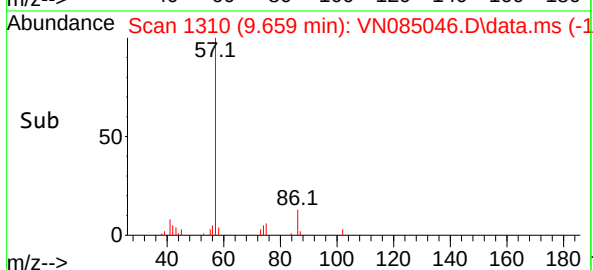
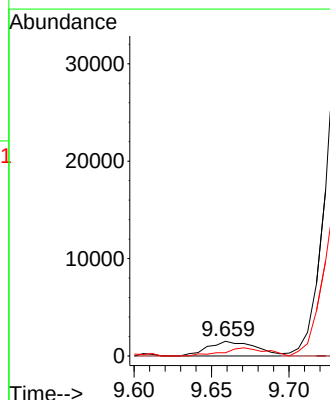
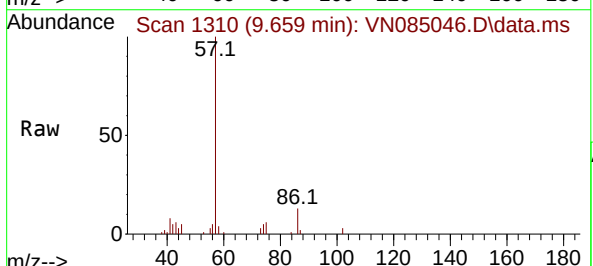
Tgt Ion: 41 Resp: 3223

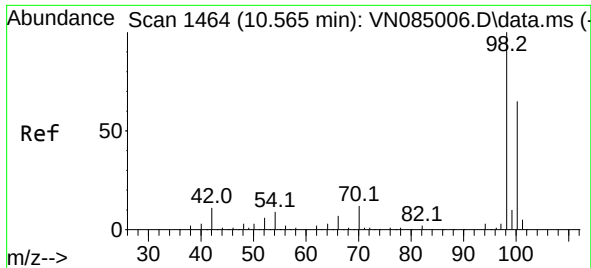
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 50.0 46.2 69.4

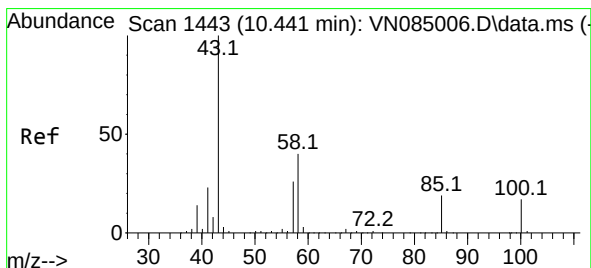
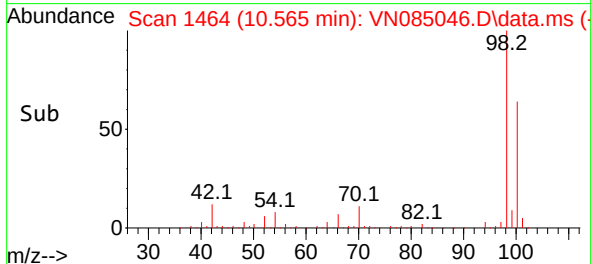
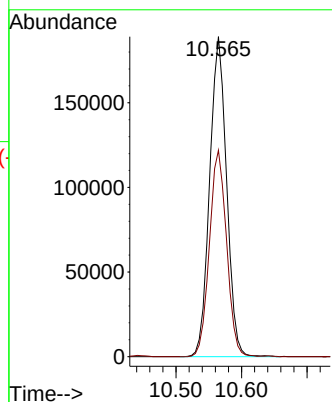
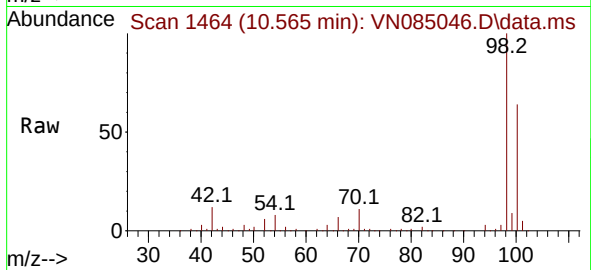




#50
Toluene-d8
Concen: 49.115 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

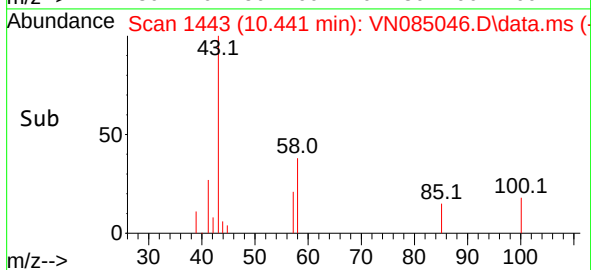
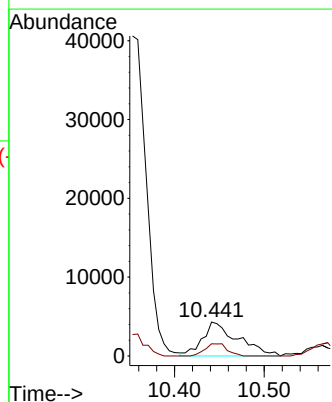
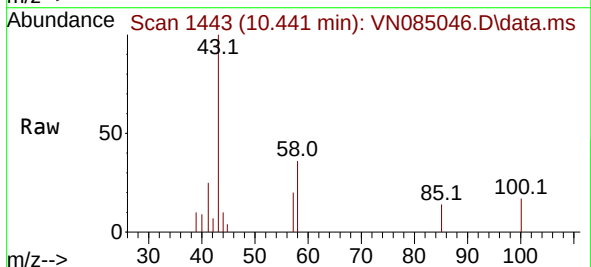
Instrument :
MSVOA_N
ClientSampleId :

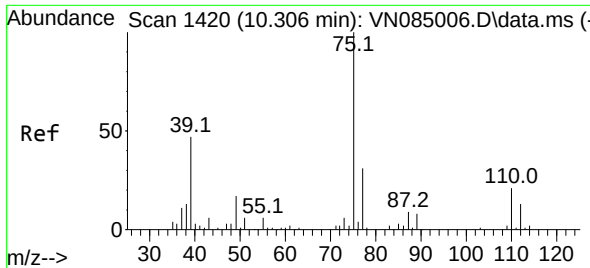
Tgt Ion: 98 Resp: 338992
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 5.234 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 11776
Ion Ratio Lower Upper
43 100
58 22.7 32.1 48.1#

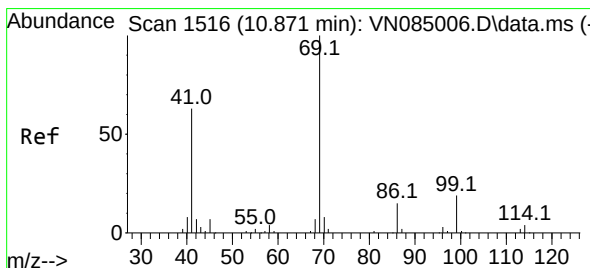
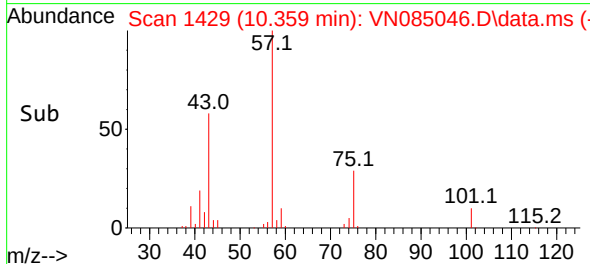
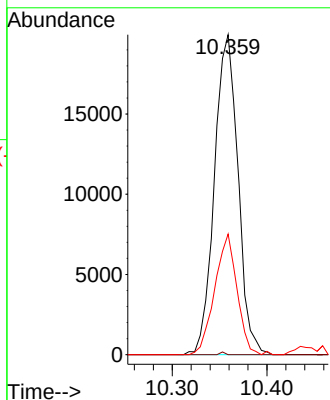
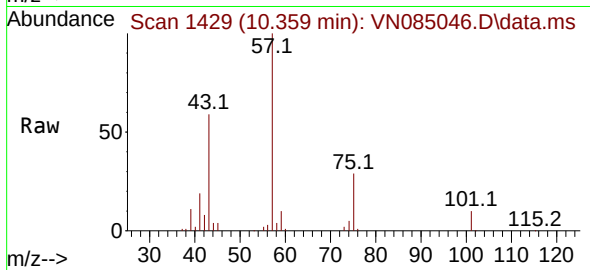




#54
 cis-1,3-Dichloropropene
 Concen: 10.847 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085046.D
 Acq: 26 Nov 2024 16:35

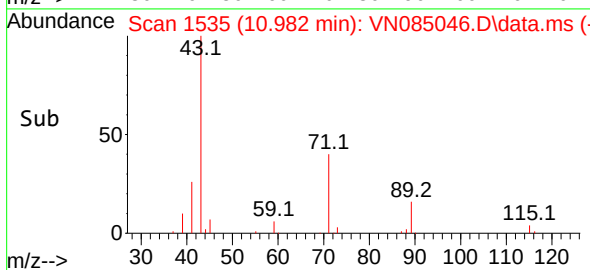
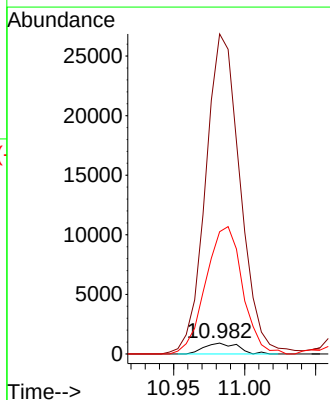
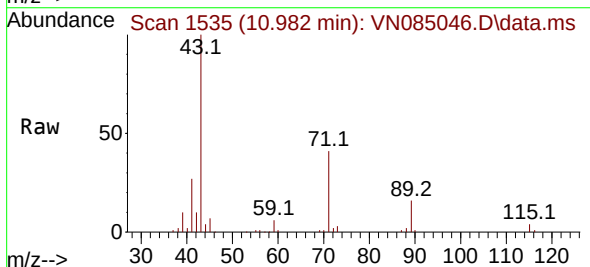
Instrument :
 MSVOA_N
 ClientSampleId :

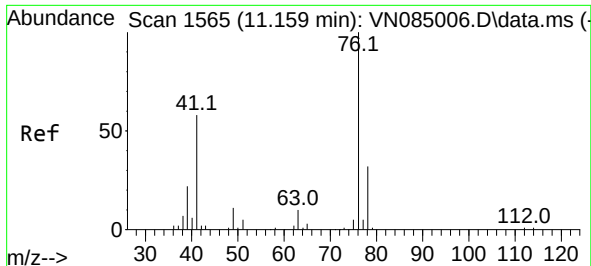
Tgt Ion: 75 Resp: 34527
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 37.7 37.6 56.4



#56
 Ethyl methacrylate
 Concen: 0.571 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN085046.D
 Acq: 26 Nov 2024 16:35

Tgt Ion: 69 Resp: 1519
 Ion Ratio Lower Upper
 69 100
 41 2998.9 50.0 75.0#
 39 1263.2 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.539 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

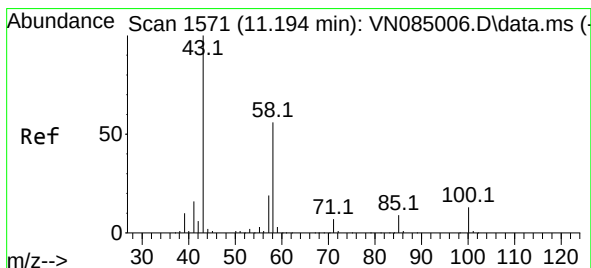
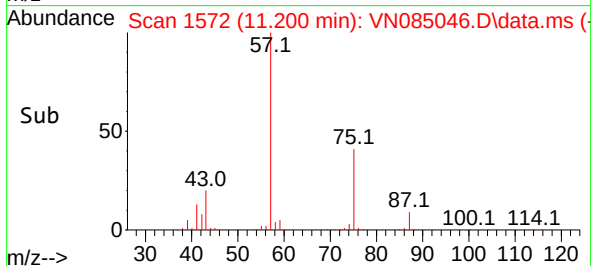
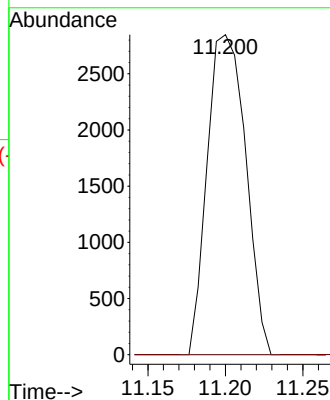
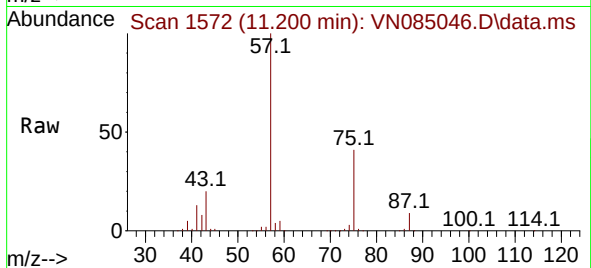
ClientSampleId :

Tgt Ion: 76 Resp: 4927

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.766 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085046.D

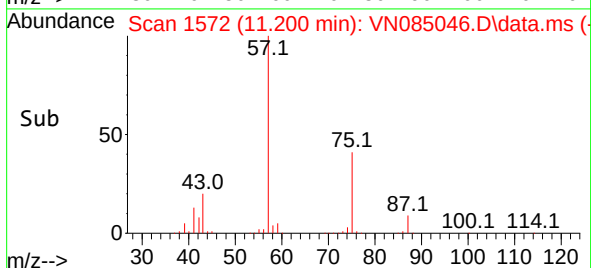
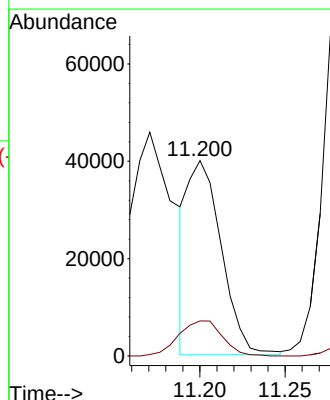
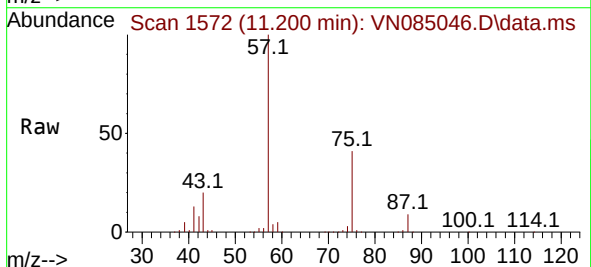
Acq: 26 Nov 2024 16:35

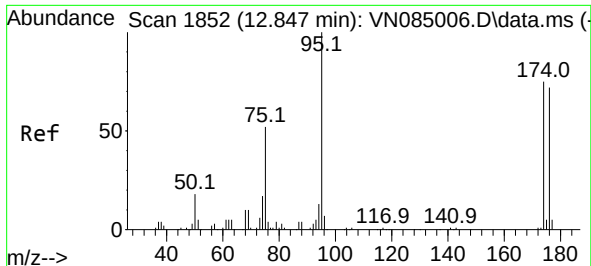
Tgt Ion: 43 Resp: 55139

Ion Ratio Lower Upper

43 100

58 23.4 28.3 85.0#





#62

4-Bromofluorobenzene

Concen: 46.848 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

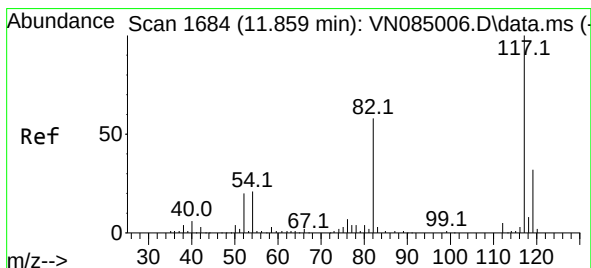
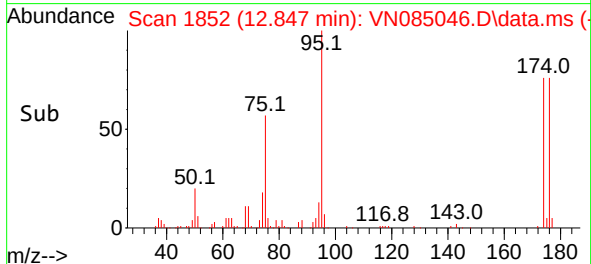
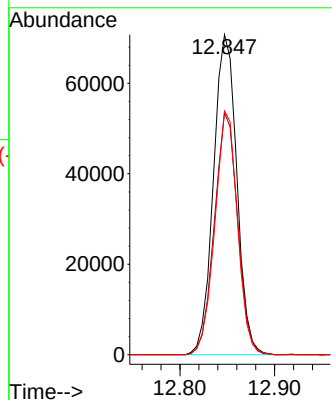
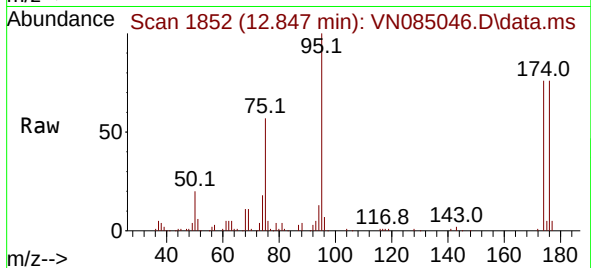
Tgt Ion: 95 Resp: 120921

Ion Ratio Lower Upper

95 100

174 75.5 0.0 146.6

176 73.7 0.0 141.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

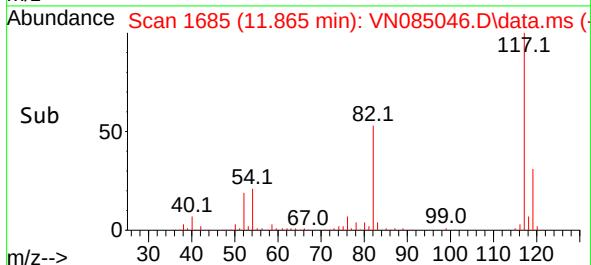
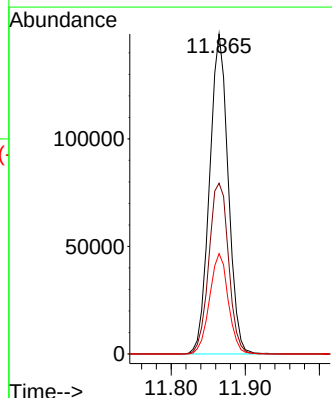
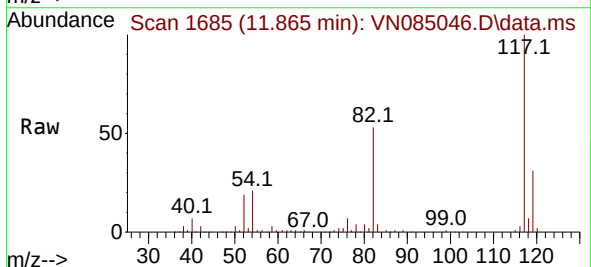
Tgt Ion: 117 Resp: 259624

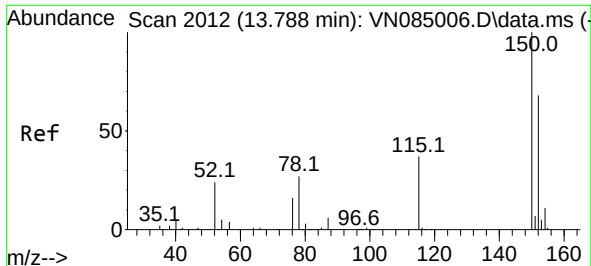
Ion Ratio Lower Upper

117 100

82 53.4 46.0 69.0

119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Instrument :

MSVOA_N

ClientSampleId :

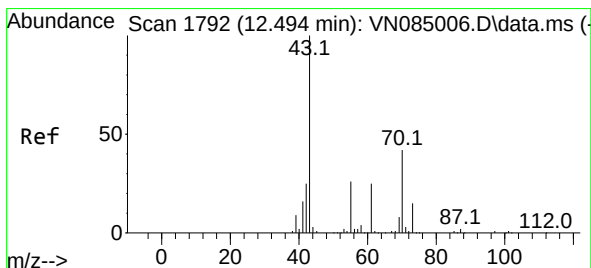
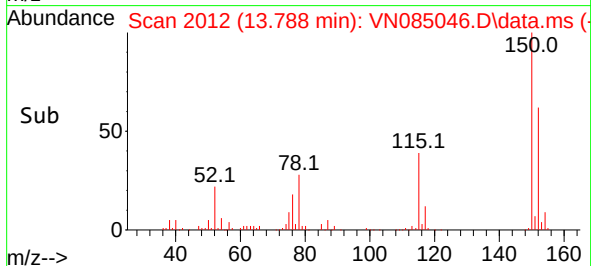
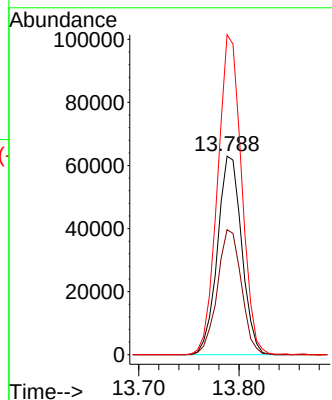
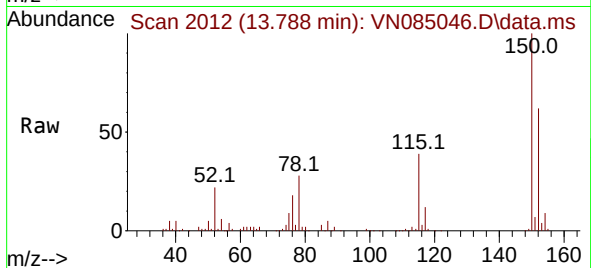
Tgt Ion:152 Resp: 105556

Ion Ratio Lower Upper

152 100

115 62.5 31.7 95.1

150 159.4 0.0 351.4



#74

N-ethyl acetate

Concen: 0.290 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN085046.D

Acq: 26 Nov 2024 16:35

Tgt Ion: 43 Resp: 890

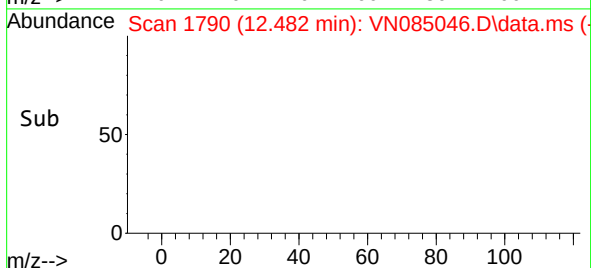
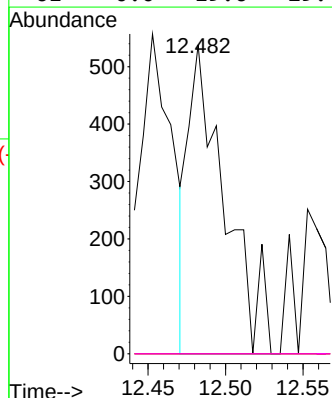
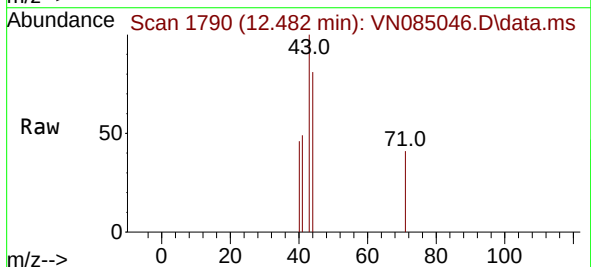
Ion Ratio Lower Upper

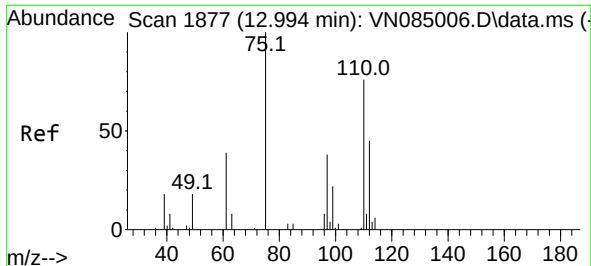
43 100

70 0.0 34.6 51.8#

55 0.0 20.5 30.7#

61 0.0 19.6 29.4#

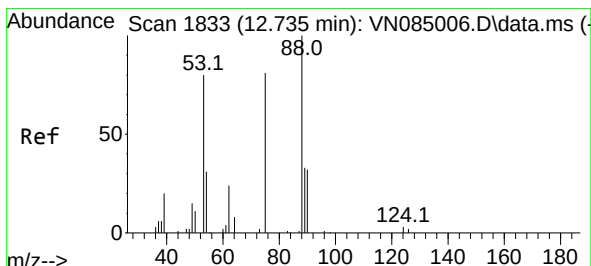
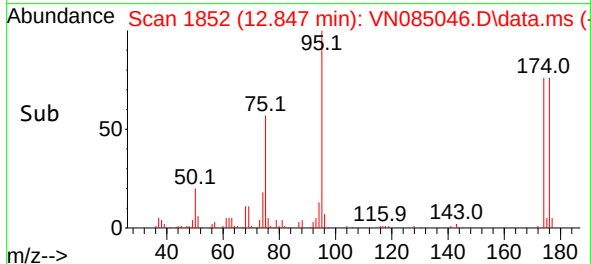
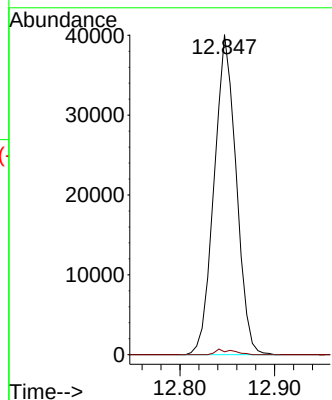
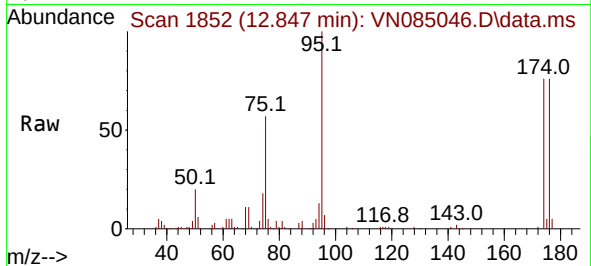




#76
1,2,3-Trichloropropane
Concen: 33.739 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64778
Ion Ratio Lower Upper
75 100
77 1.4 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.481 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085046.D
Acq: 26 Nov 2024 16:35

Tgt Ion: 75 Resp: 64778
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

