

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085095.D
 Acq On : 04 Dec 2024 15:37
 Operator : JC\MD
 Sample : P5072-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:08:26 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)

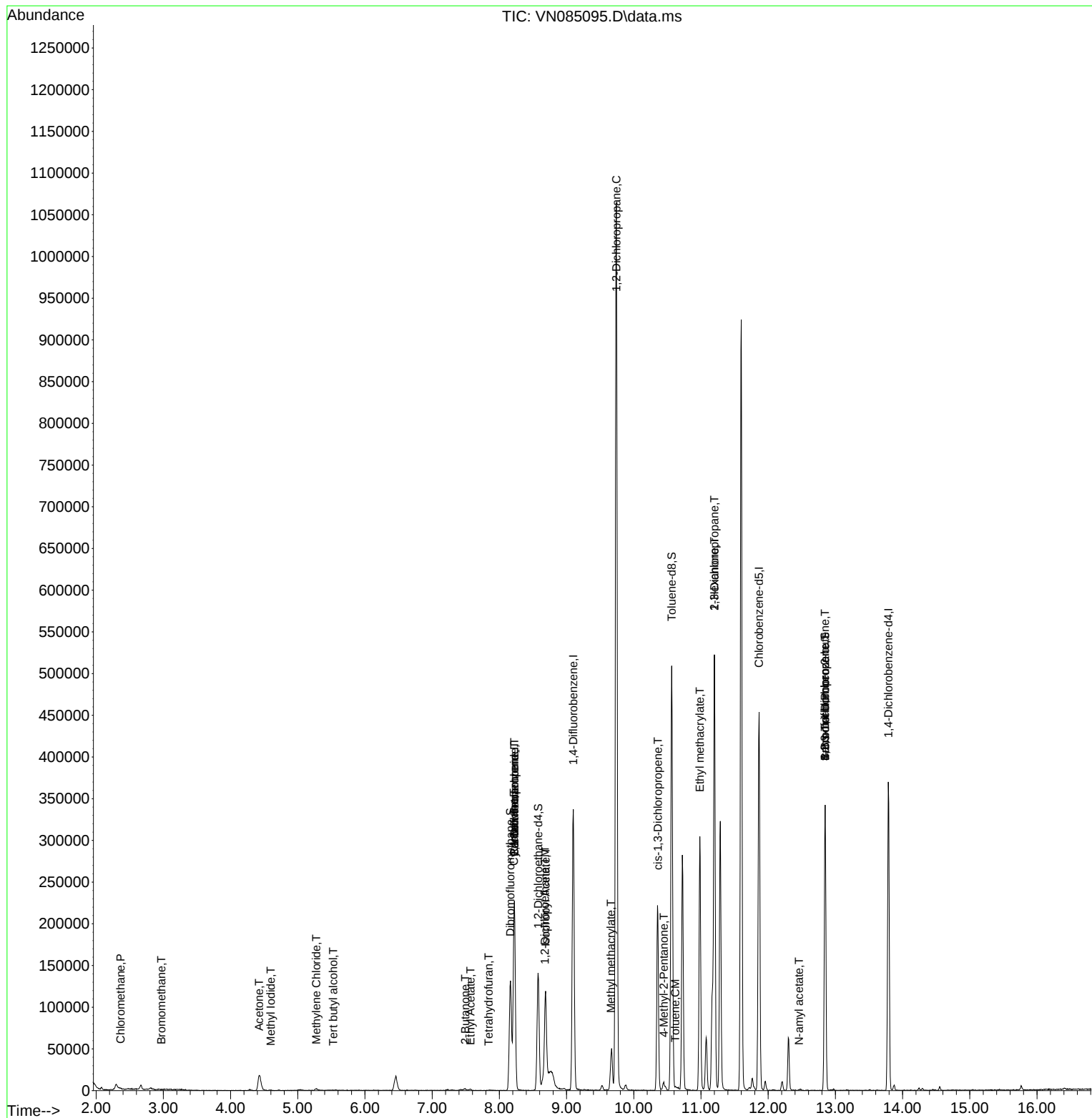
Internal Standards						
1) Pentafluorobenzene	8.224	168	162661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116365	50.223	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 100.440%		
35) Dibromofluoromethane	8.165	113	95813	48.477	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.960%		
50) Toluene-d8	10.565	98	348964	49.267	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.540%		
62) 4-Bromofluorobenzene	12.847	95	119216	45.006	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 90.020%		
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	602	0.282	ug/l #	40
5) Bromomethane	2.971	94	248	0.231	ug/l	92
10) Methyl Iodide	4.600	142	918	0.375	ug/l #	84
11) Tert butyl alcohol	5.530	59	114	0.368	ug/l #	75
16) Acetone	4.424	43	36153	53.576	ug/l	92
18) Methyl Acetate	5.012	43	783	Below Cal	#	89
20) Methylene Chloride	5.277	84	1468	0.713	ug/l #	84
25) 2-Butanone	7.494	43	3738	3.388	ug/l	97
29) Tetrahydrofuran	7.841	42	268	0.391	ug/l #	31
31) Cyclohexane	8.218	56	3782	1.225	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13523	5.051	ug/l #	48
37) Ethyl Acetate	7.571	43	2898	1.191	ug/l #	75
38) Carbon Tetrachloride	8.224	117	17751	5.744	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	766	0.264	ug/l #	75
43) Isopropyl Acetate	8.688	43	150932	29.856	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1259	0.604	ug/l #	45
48) Methyl methacrylate	9.659	41	3169	1.685	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	10191	4.413	ug/l #	71
52) Toluene	10.618	92	1200	0.239	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	40414	12.372	ug/l #	61
56) Ethyl methacrylate	10.982	69	1373	0.503	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5162	1.571	ug/l #	42
59) 2-Hexanone	11.200	43	60225	34.873	ug/l #	56
71) Bromoform	12.847	173	654	0.417	ug/l #	29
74) N-amyl acetate	12.459	43	645	0.220	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	62309	34.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62309	75.139	ug/l #	10

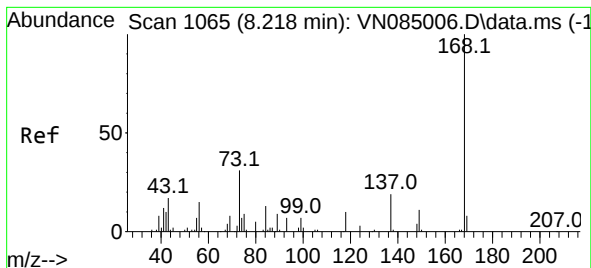
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
Data File : VN085095.D
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Sample : P5072-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

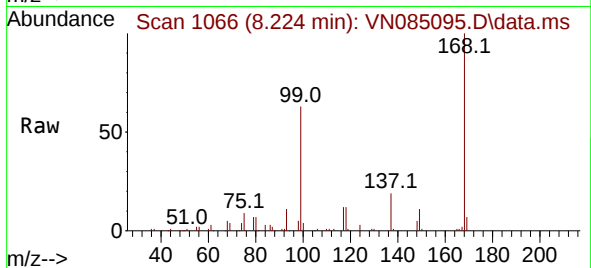
Quant Time: Dec 04 22:08:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



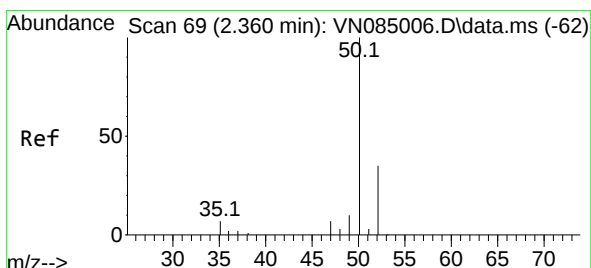
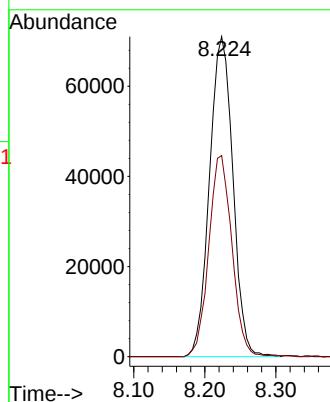
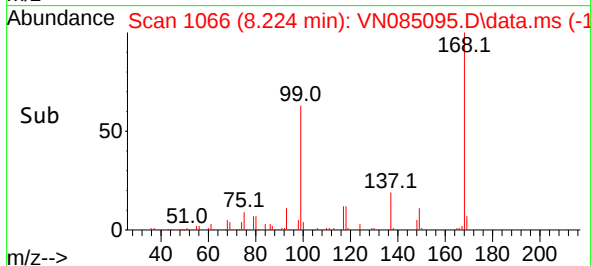


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

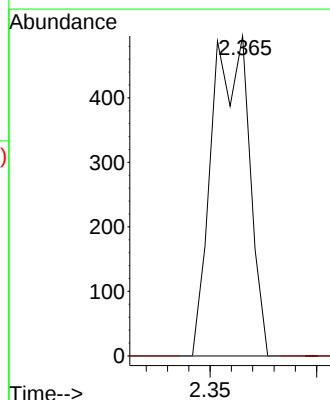
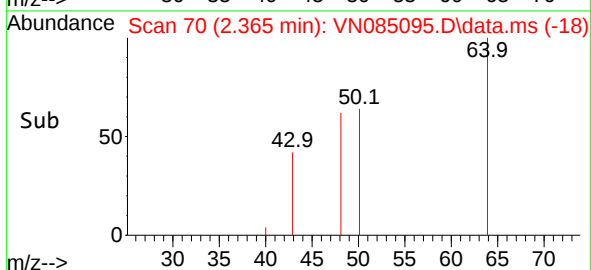
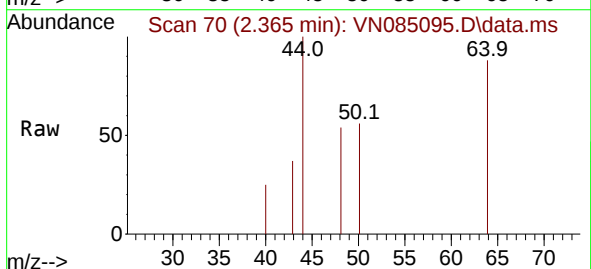


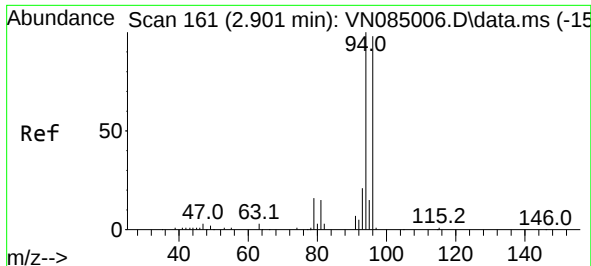
Tgt Ion:168 Resp: 162661
Ion Ratio Lower Upper
168 100
99 62.9 51.2 76.8



#3
Chloromethane
Concen: 0.282 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 50 Resp: 602
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

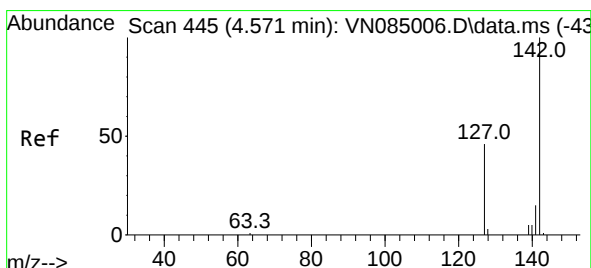
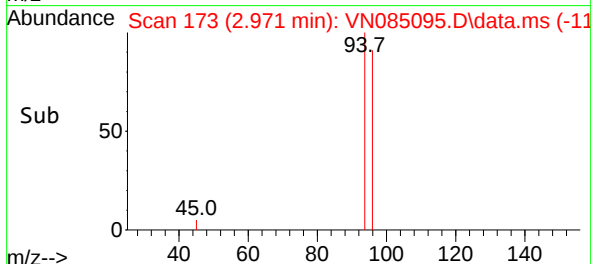
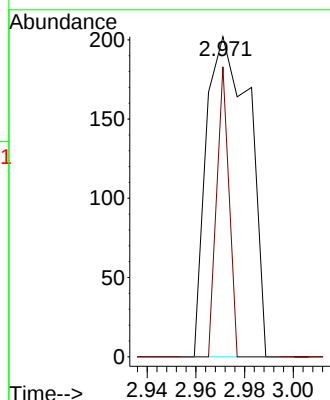
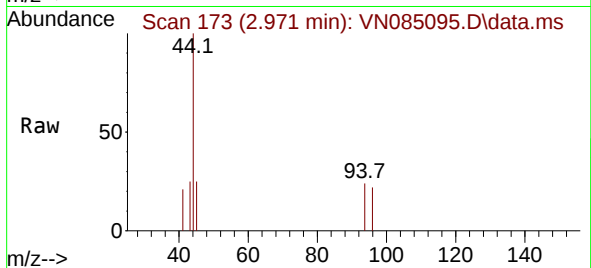




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

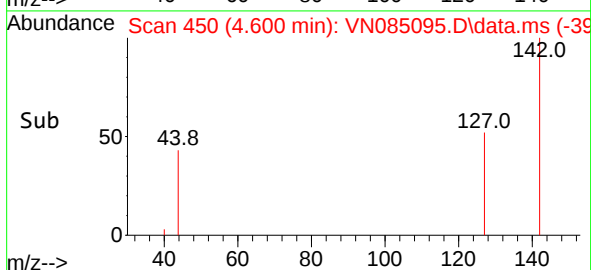
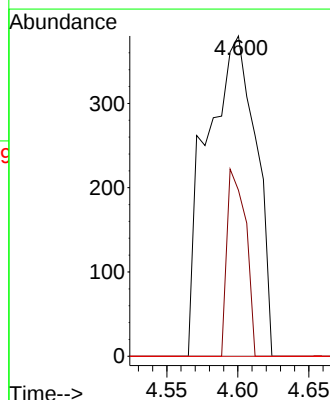
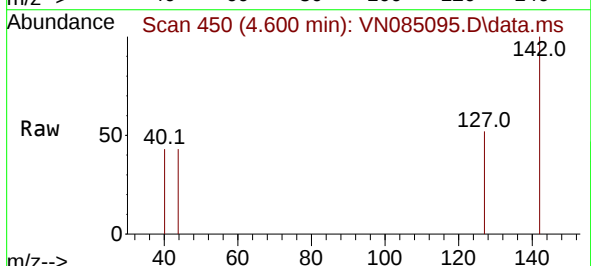
Instrument :
MSVOA_N
ClientSampleId :

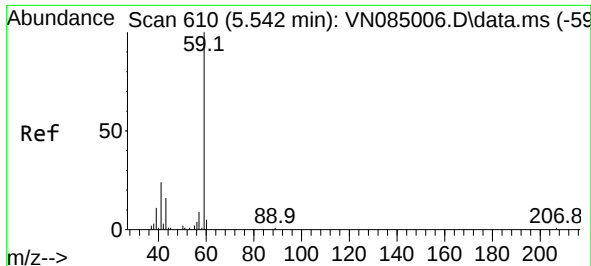
Tgt Ion: 94 Resp: 248
Ion Ratio Lower Upper
94 100
96 90.6 78.7 118.1



#10
Methyl Iodide
Concen: 0.375 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.029 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

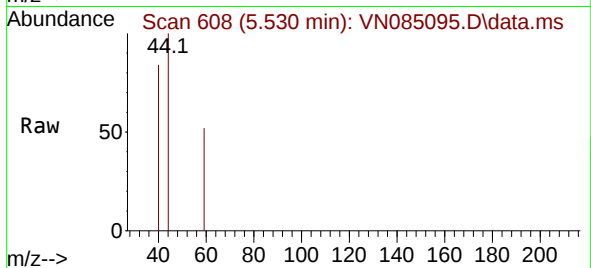
Tgt Ion: 142 Resp: 918
Ion Ratio Lower Upper
142 100
127 51.8 36.6 54.8
141 0.0 12.2 18.4#



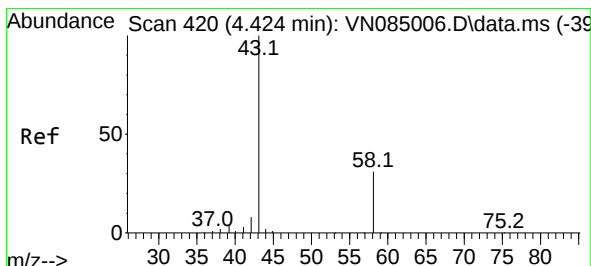
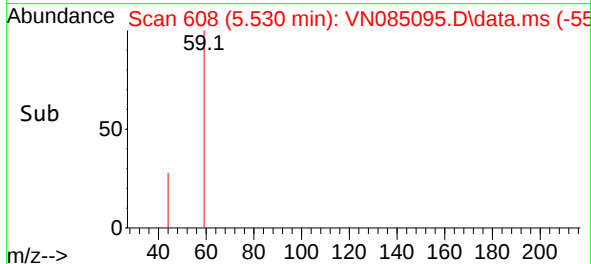
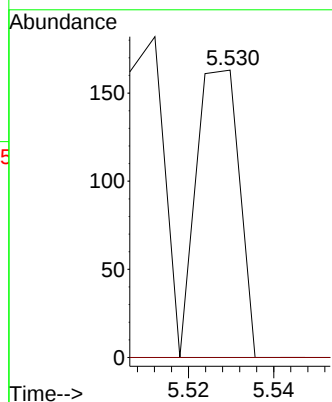


#11
Tert butyl alcohol
Concen: 0.368 ug/l
RT: 5.530 min Scan# 610
Delta R.T. -0.012 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

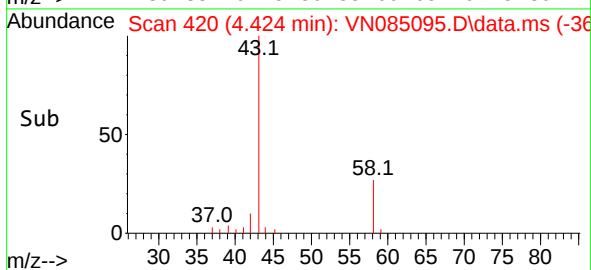
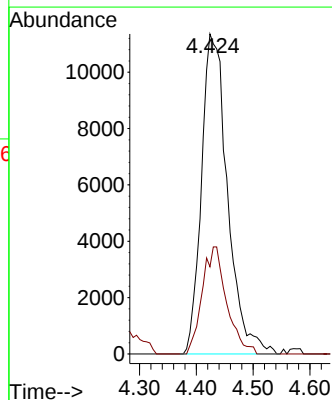
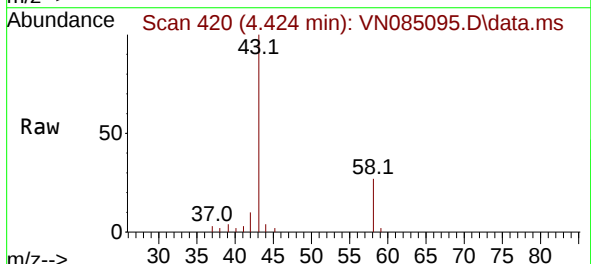


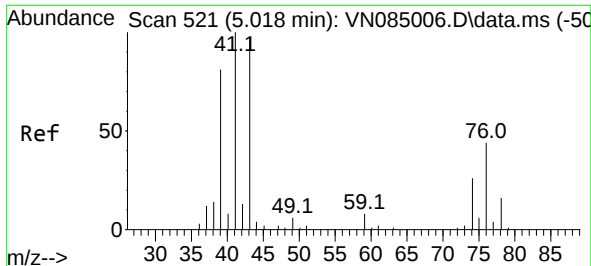
Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 53.576 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

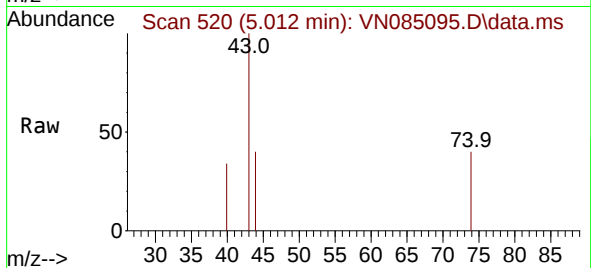
Tgt Ion: 43 Resp: 36153
Ion Ratio Lower Upper
43 100
58 27.3 25.4 38.2



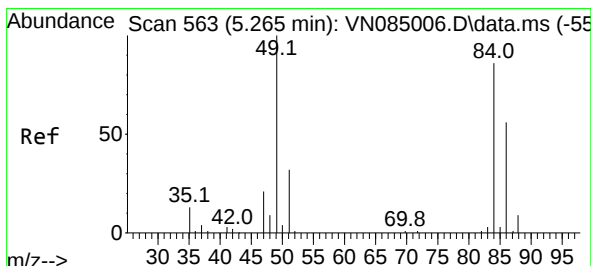
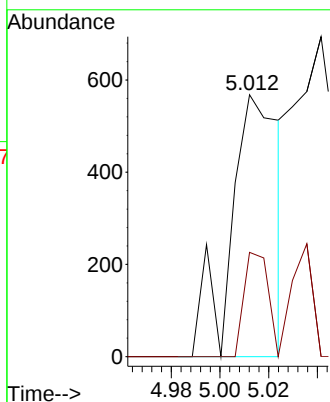
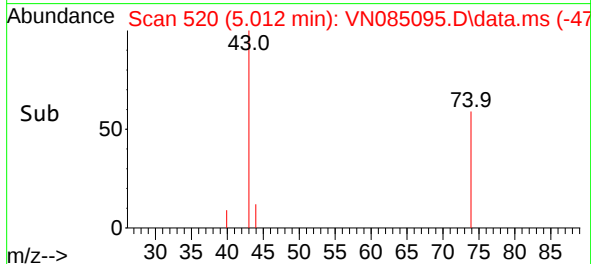


#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

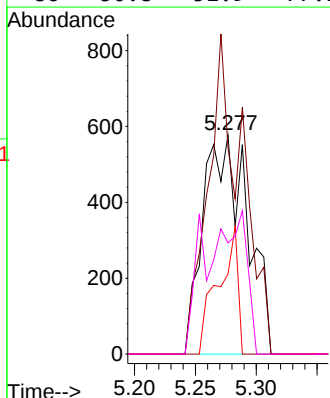
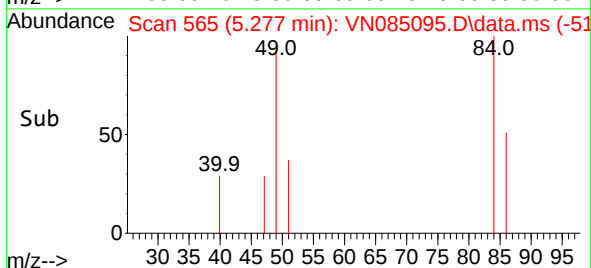
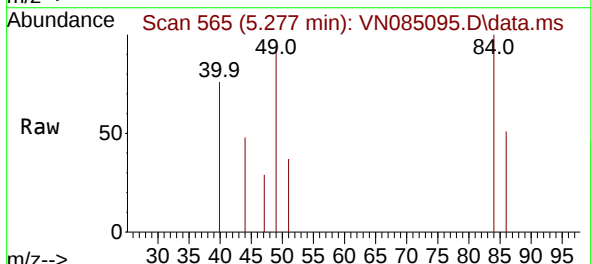


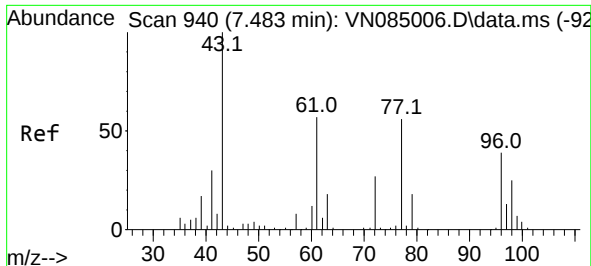
Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
74 19.8 20.1 30.1#



#20
Methylene Chloride
Concen: 0.713 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 84 Resp: 1468
Ion Ratio Lower Upper
84 100
49 94.5 92.7 139.1
51 36.6 29.4 44.2
86 50.8 51.9 77.9#

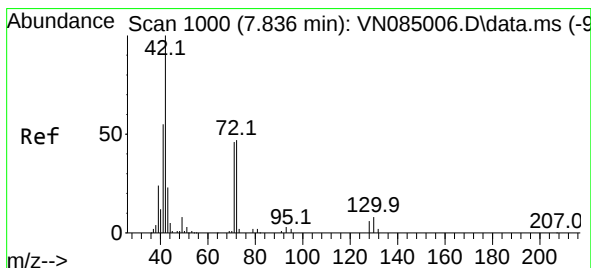
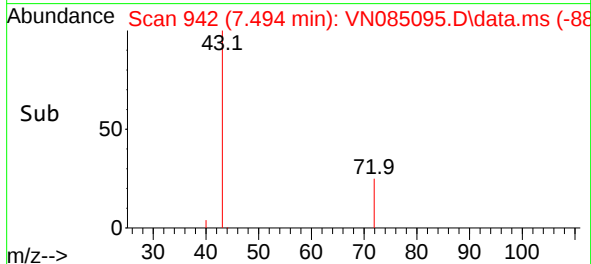
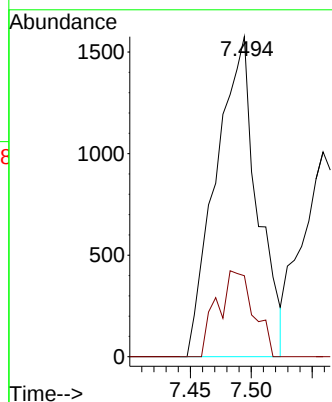
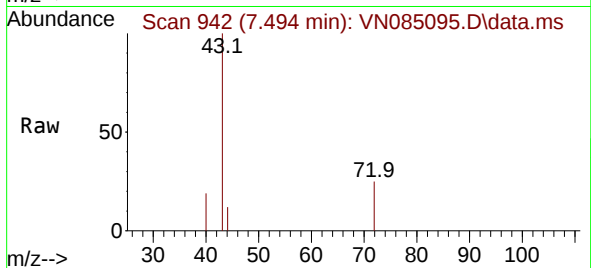




#25
2-Butanone
Concen: 3.388 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

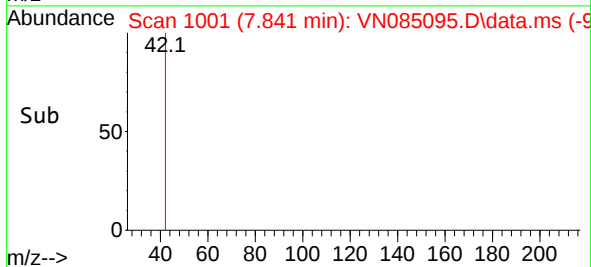
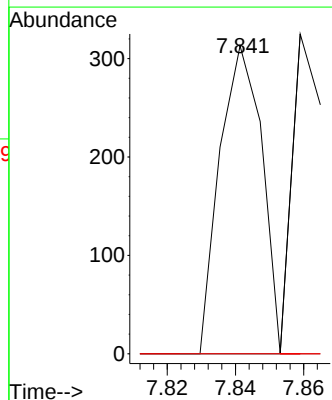
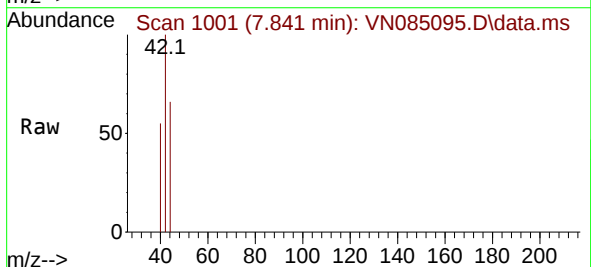
Instrument :
MSVOA_N
ClientSampleId :

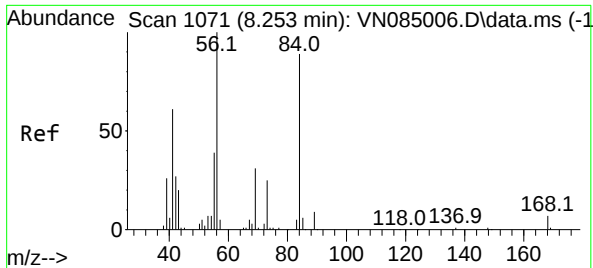
Tgt Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
72 25.3 21.4 32.0



#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

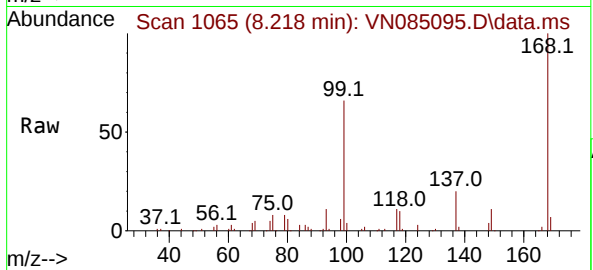
Tgt Ion: 42 Resp: 268
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 35.0 52.4#



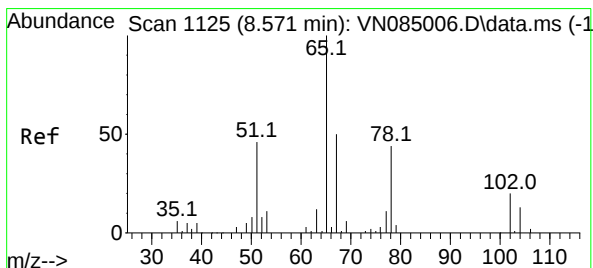
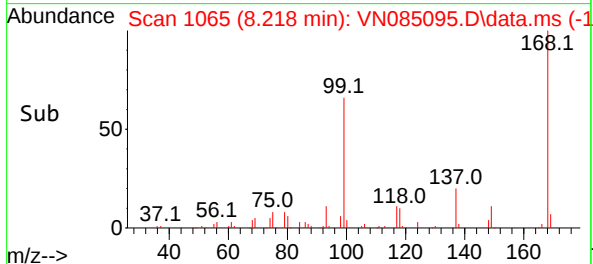
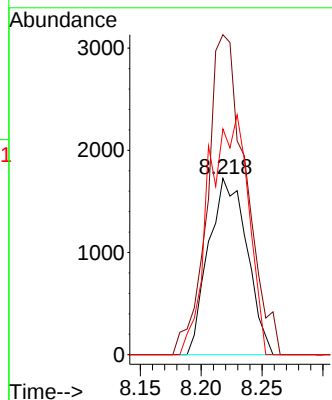


#31
Cyclohexane
Concen: 1.225 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
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ClientSampleId :

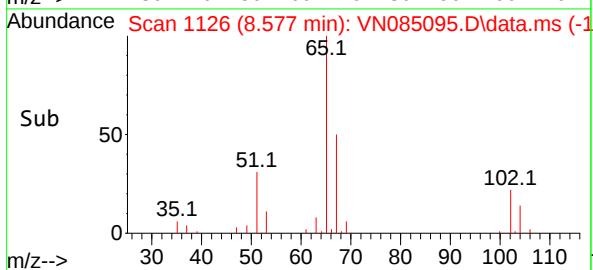
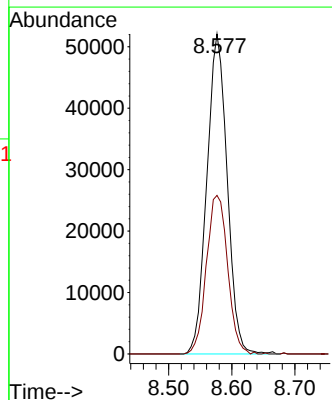
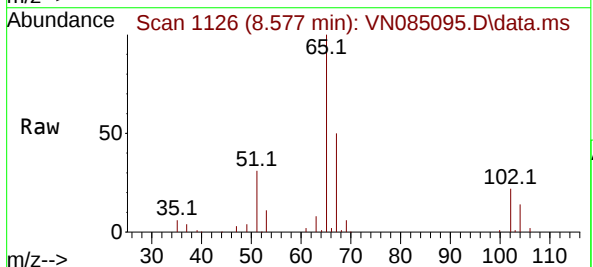


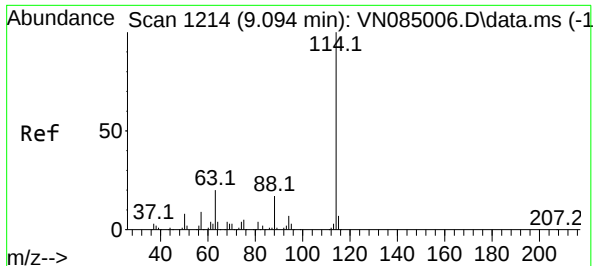
Tgt Ion: 56 Resp: 3782
Ion Ratio Lower Upper
56 100
69 181.6 24.6 36.8#
84 128.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 50.223 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 65 Resp: 116365
Ion Ratio Lower Upper
65 100
67 51.8 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: VN085095.D

Acq: 04 Dec 2024 15:37

Instrument :

MSVOA_N

ClientSampleId :

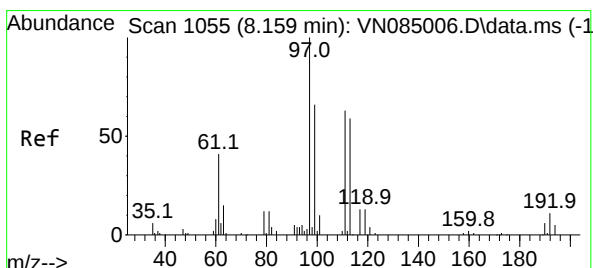
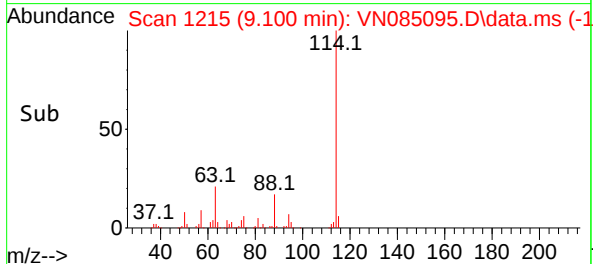
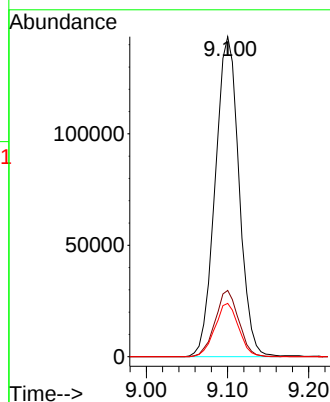
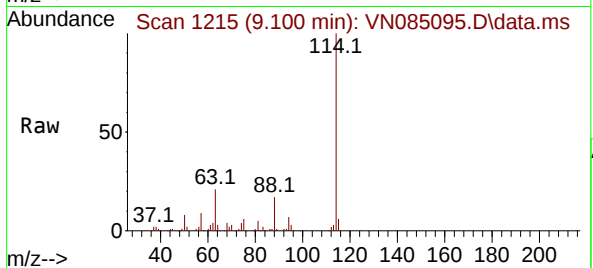
Tgt Ion:114 Resp: 293085

Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 16.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.477 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085095.D

Acq: 04 Dec 2024 15:37

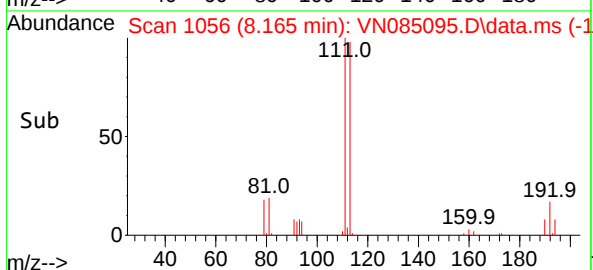
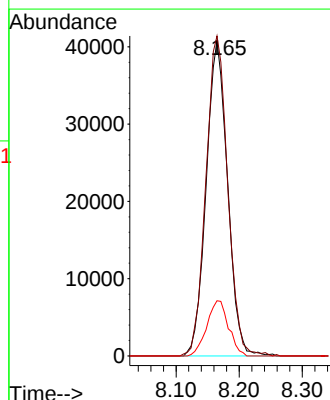
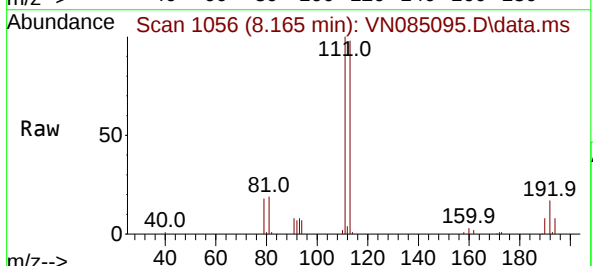
Tgt Ion:113 Resp: 95813

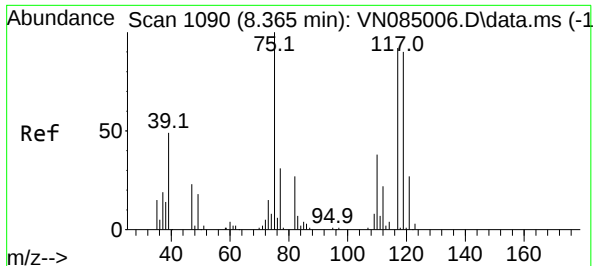
Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 17.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.051 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085095.D

Acq: 04 Dec 2024 15:37

Instrument :

MSVOA_N

ClientSampleId :

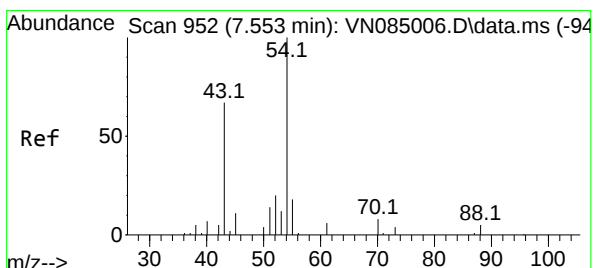
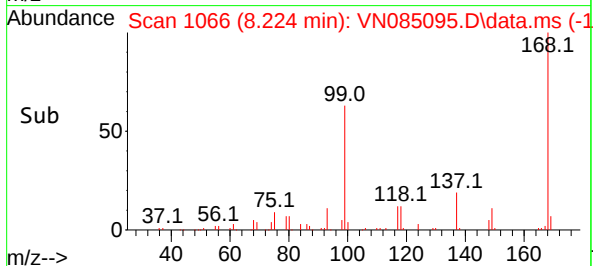
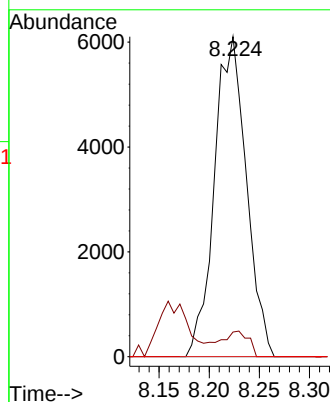
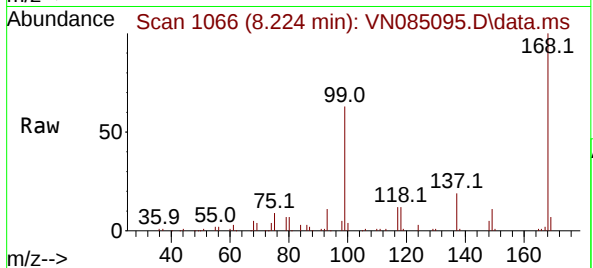
Tgt Ion: 75 Resp: 13523

Ion Ratio Lower Upper

75 100

110 6.0 17.2 51.6#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 1.191 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.017 min

Lab File: VN085095.D

Acq: 04 Dec 2024 15:37

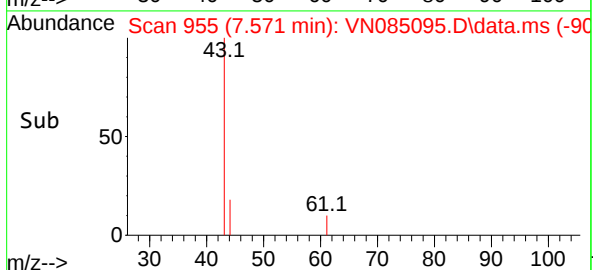
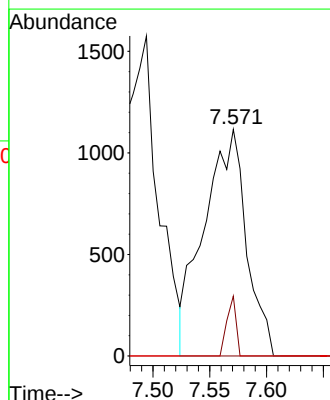
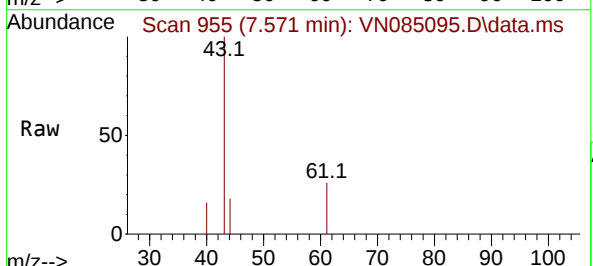
Tgt Ion: 43 Resp: 2898

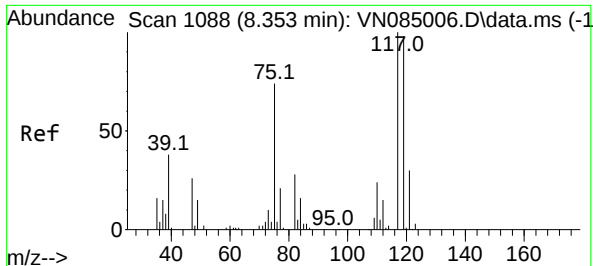
Ion Ratio Lower Upper

43 100

61 5.7 11.7 17.5#

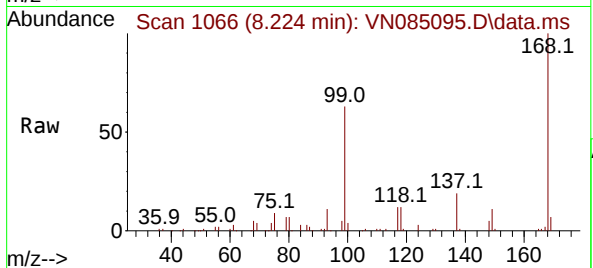
70 0.0 9.3 13.9#



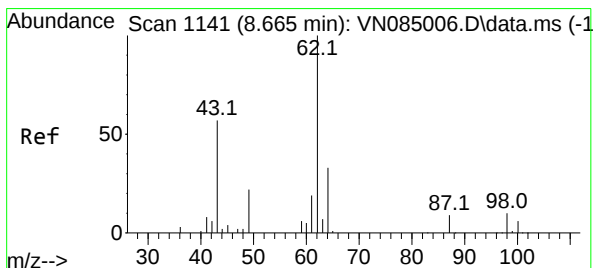
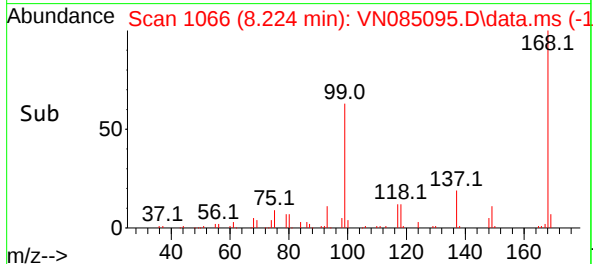
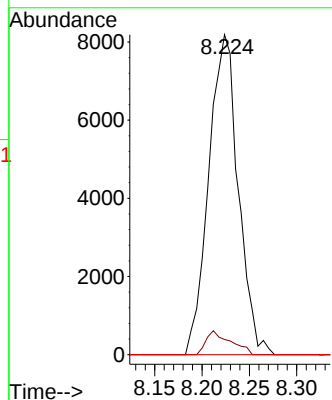


#38
Carbon Tetrachloride
Concen: 5.744 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

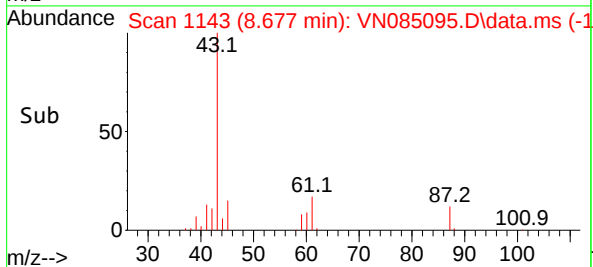
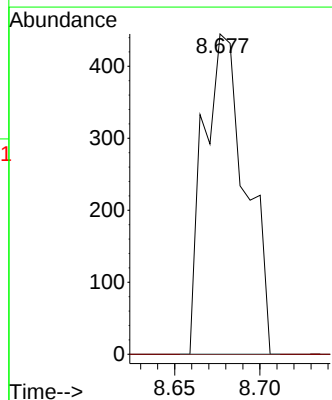
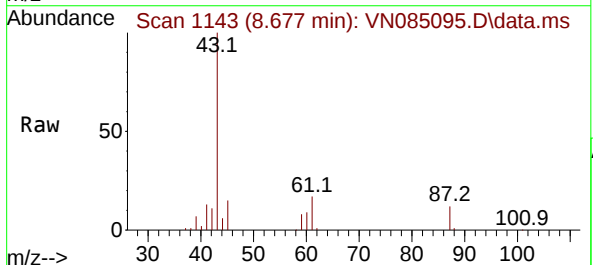


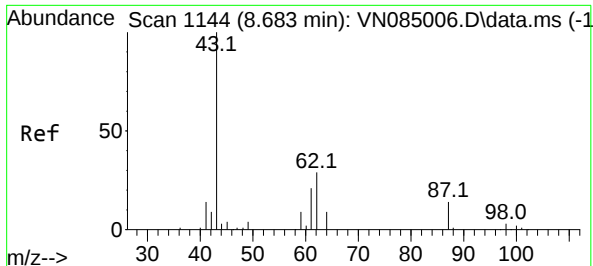
Tgt Ion:117 Resp: 17751
Ion Ratio Lower Upper
117 100
119 4.8 78.6 117.8#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.264 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

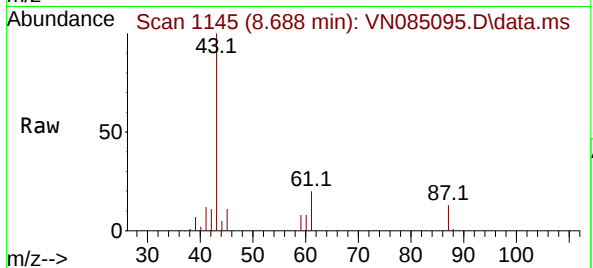
Tgt Ion: 62 Resp: 766
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



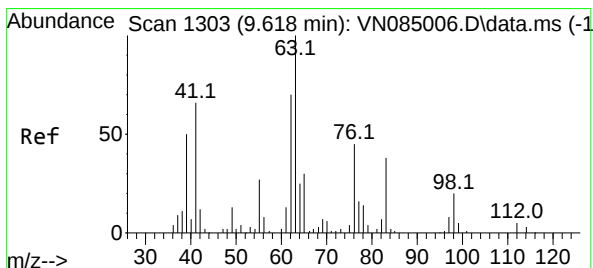
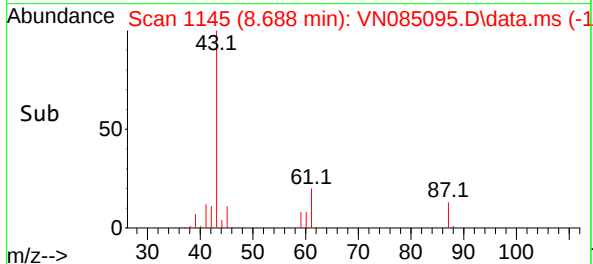
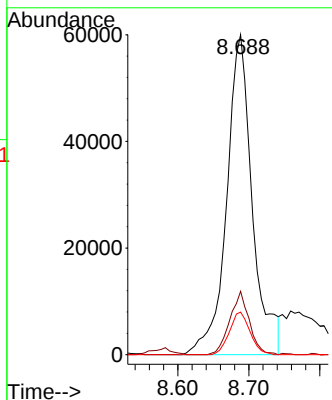


#43
Isopropyl Acetate
Concen: 29.856 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

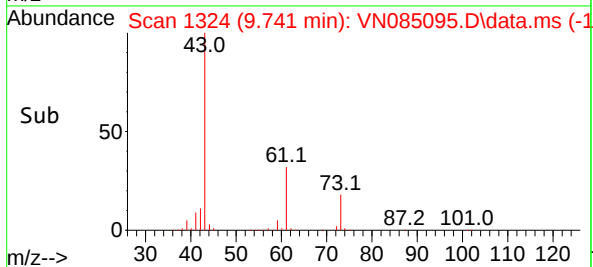
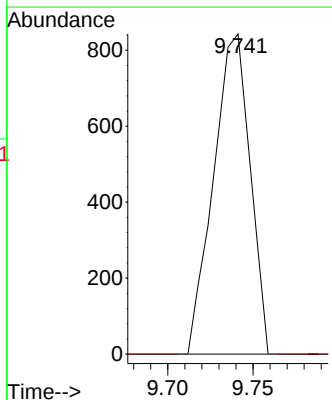
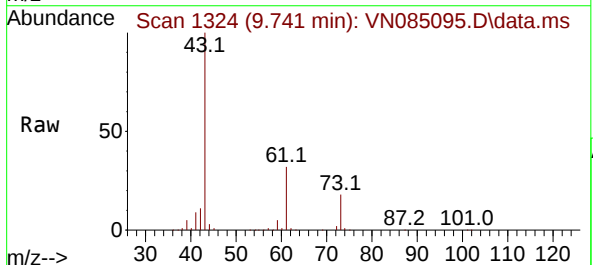


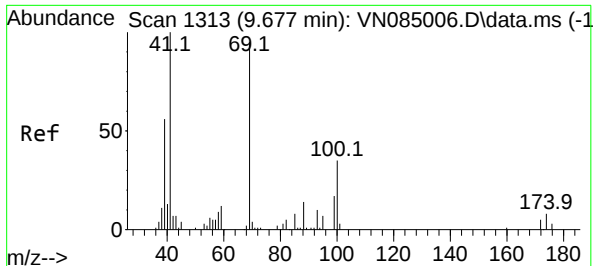
Tgt Ion: 43 Resp: 150932
Ion Ratio Lower Upper
43 100
61 15.1 20.6 30.8#
87 10.7 11.0 16.4#



#45
1,2-Dichloropropane
Concen: 0.604 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 63 Resp: 1259
Ion Ratio Lower Upper
63 100
65 0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.685 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN085095.D

Acq: 04 Dec 2024 15:37

Instrument :

MSVOA_N

ClientSampleId :

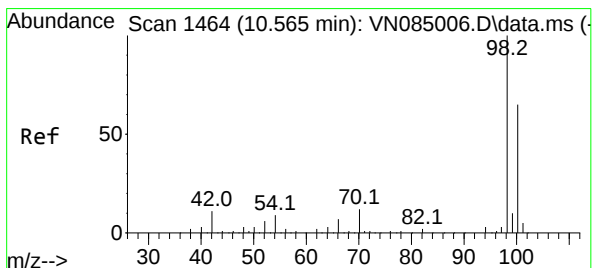
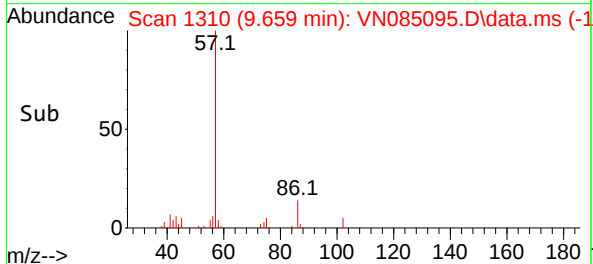
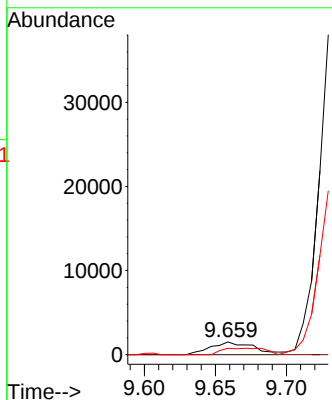
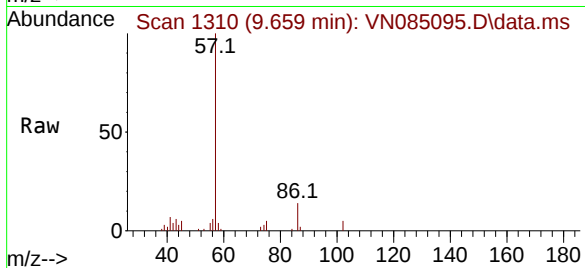
Tgt Ion: 41 Resp: 3169

Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 52.2 46.2 69.4



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085095.D

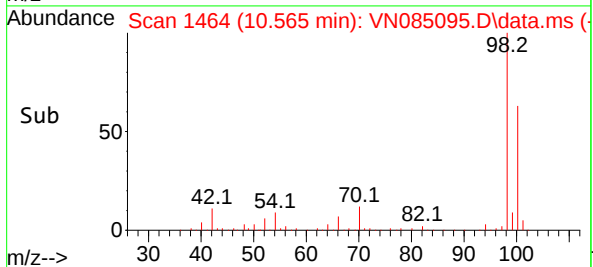
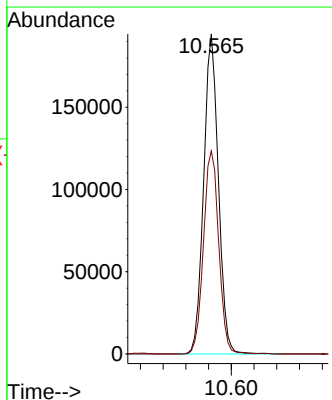
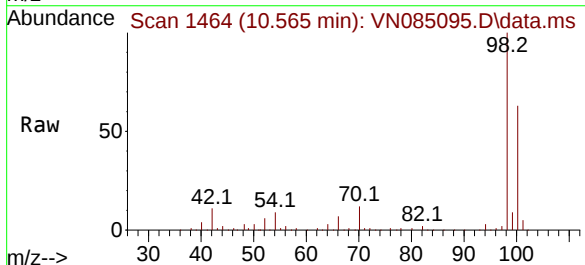
Acq: 04 Dec 2024 15:37

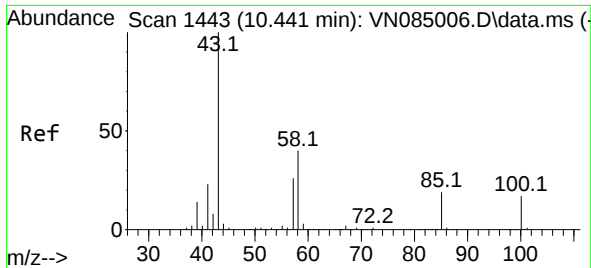
Tgt Ion: 98 Resp: 348964

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

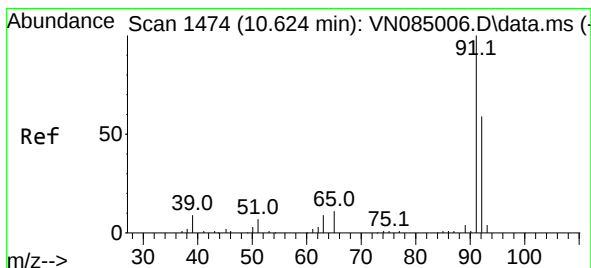
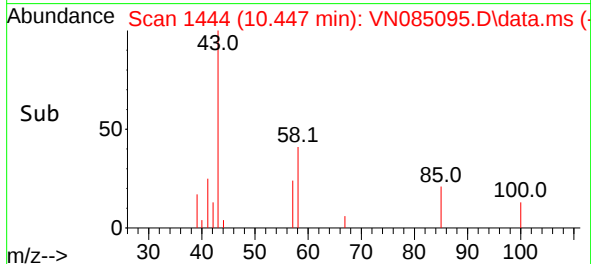
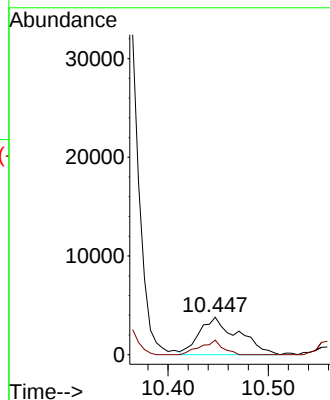
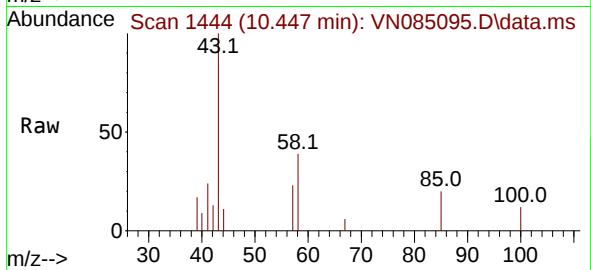




#51
4-Methyl-2-Pentanone
Concen: 4.413 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

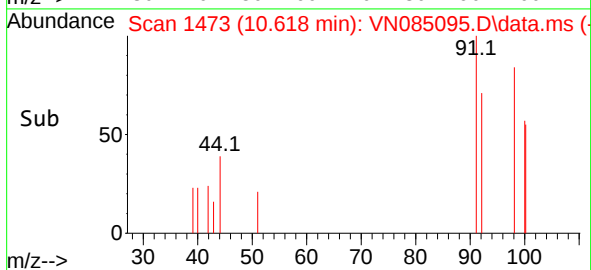
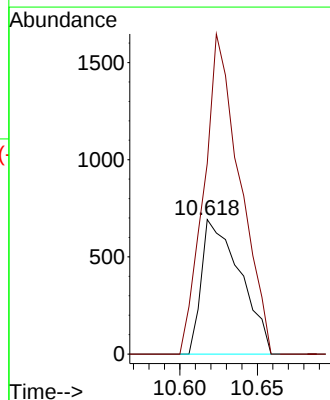
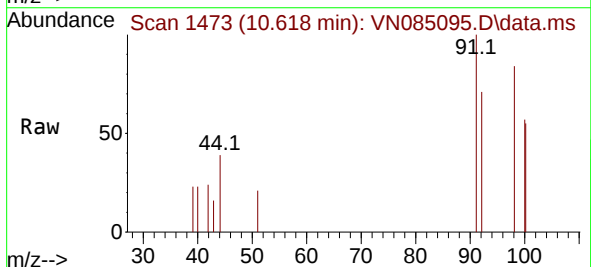
Instrument :
MSVOA_N
ClientSampleId :

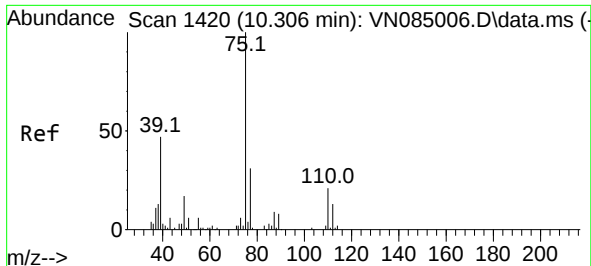
Tgt Ion: 43 Resp: 10191
Ion Ratio Lower Upper
43 100
58 22.1 32.1 48.1#



#52
Toluene
Concen: 0.239 ug/l
RT: 10.618 min Scan# 1473
Delta R.T. -0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 92 Resp: 1200
Ion Ratio Lower Upper
92 100
91 222.1 136.7 205.1#

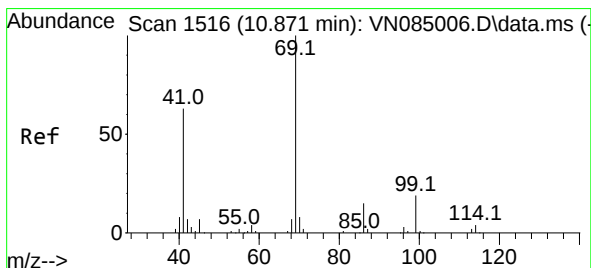
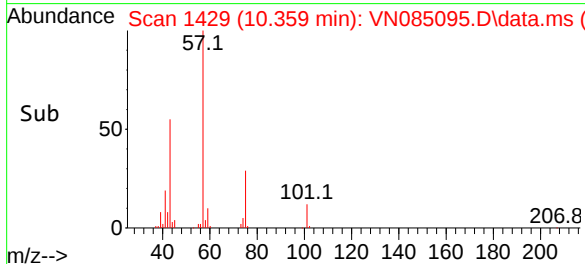
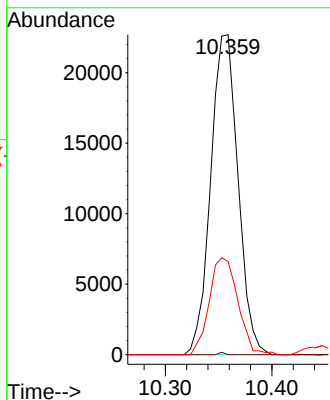
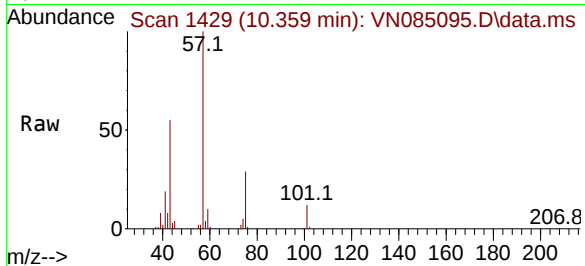




#54
cis-1,3-Dichloropropene
Concen: 12.372 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

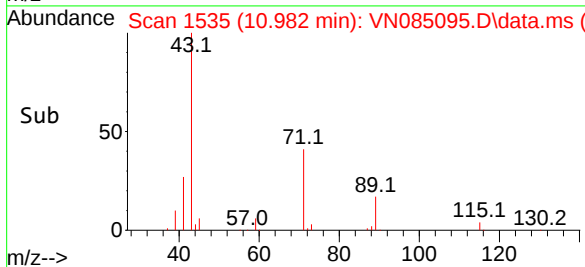
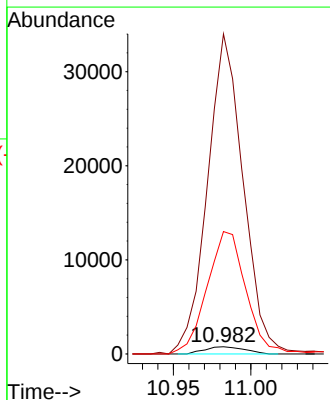
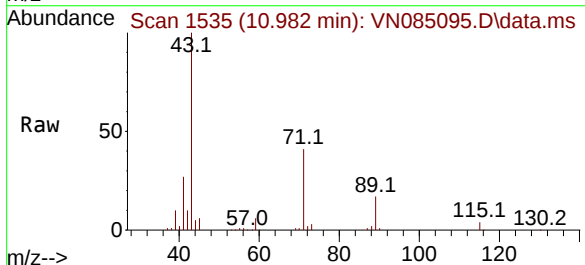
Instrument :
MSVOA_N
ClientSampleId :

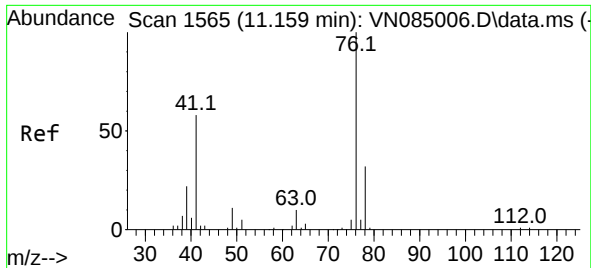
Tgt Ion: 75 Resp: 40414
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 29.1 37.6 56.4#



#56
Ethyl methacrylate
Concen: 0.503 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 69 Resp: 1373
Ion Ratio Lower Upper
69 100
41 3970.6 50.0 75.0#
39 1650.9 27.0 40.6#

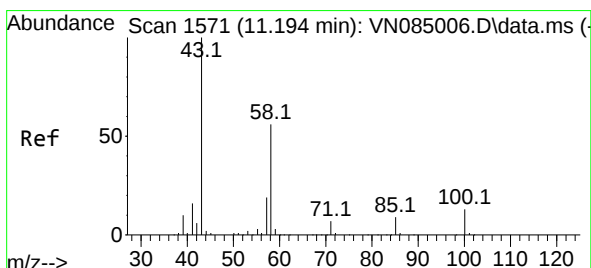
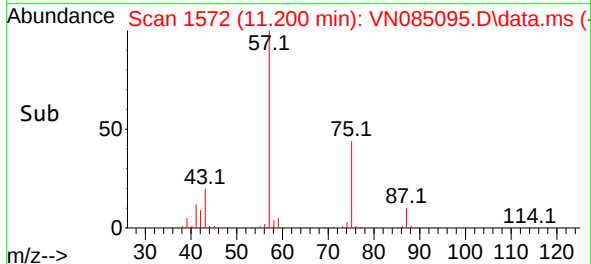
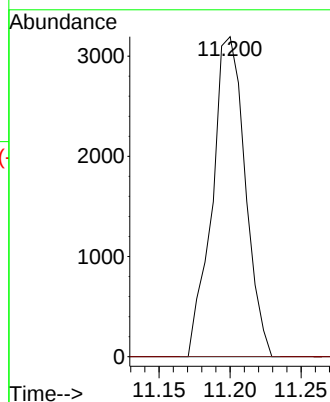
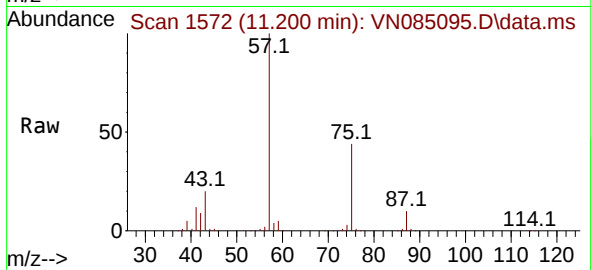




#57
1,3-Dichloropropane
Concen: 1.571 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

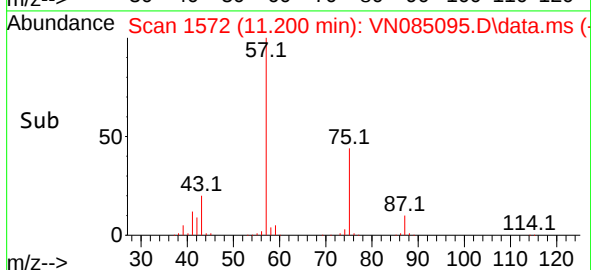
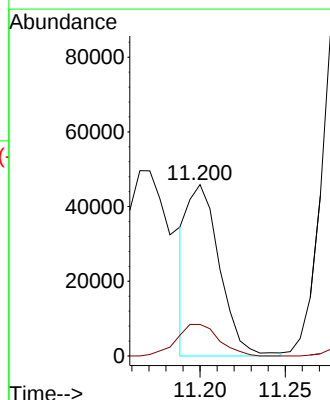
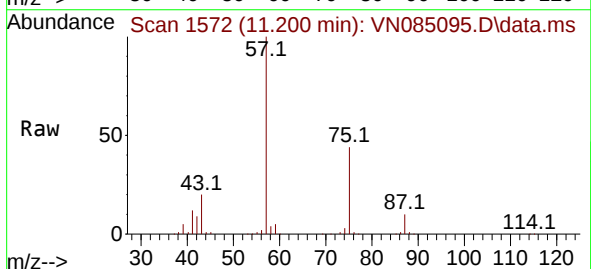
Instrument :
MSVOA_N
ClientSampleId :

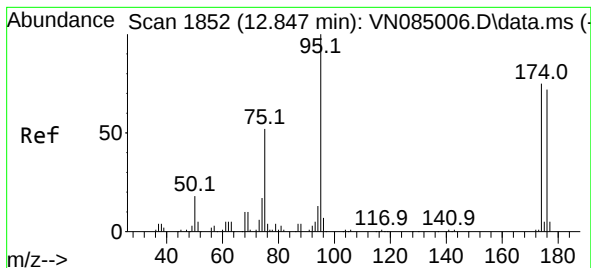
Tgt Ion: 76 Resp: 5162
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 34.873 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Tgt Ion: 43 Resp: 60225
Ion Ratio Lower Upper
43 100
58 24.3 28.3 85.0#

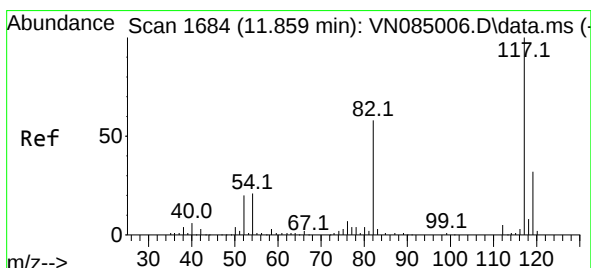
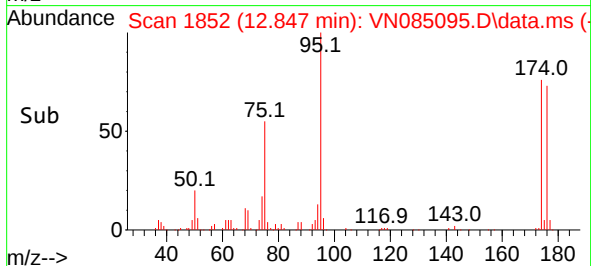
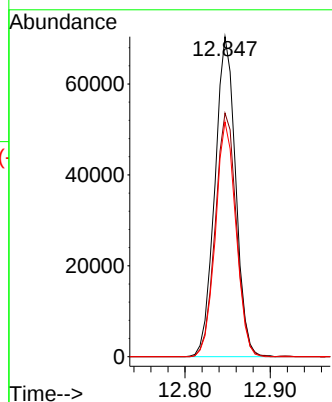
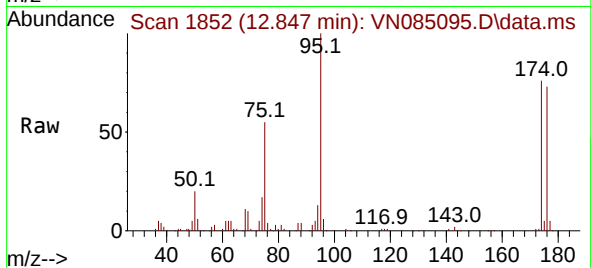




#62
4-Bromofluorobenzene
Concen: 45.006 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

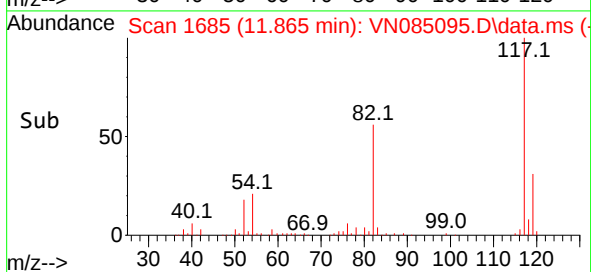
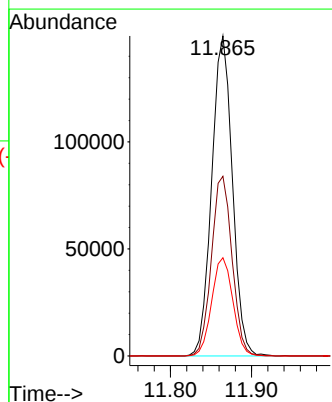
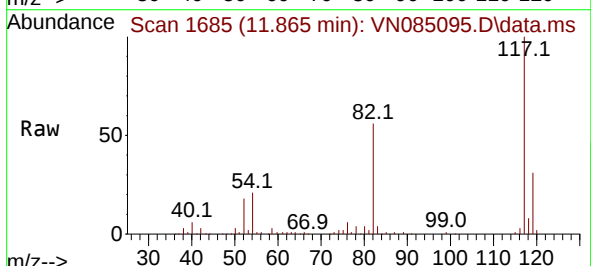
Instrument :
MSVOA_N
ClientSampleId :

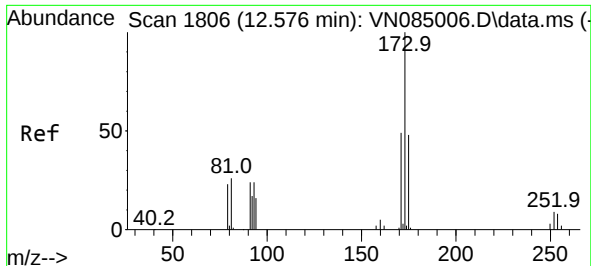
Tgt Ion: 95 Resp: 119216
Ion Ratio Lower Upper
95 100
174 77.5 0.0 146.6
176 72.4 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

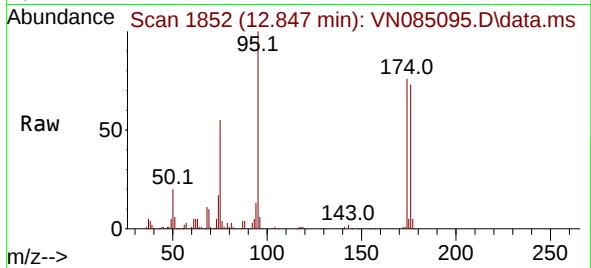
Tgt Ion: 117 Resp: 264444
Ion Ratio Lower Upper
117 100
82 56.2 46.0 69.0
119 30.7 25.6 38.4



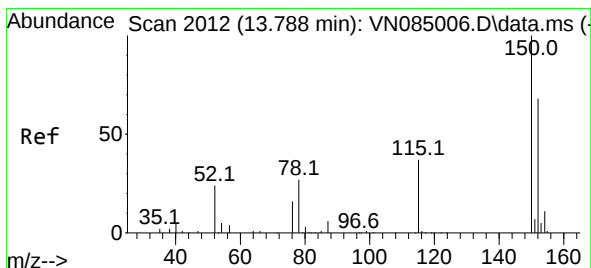
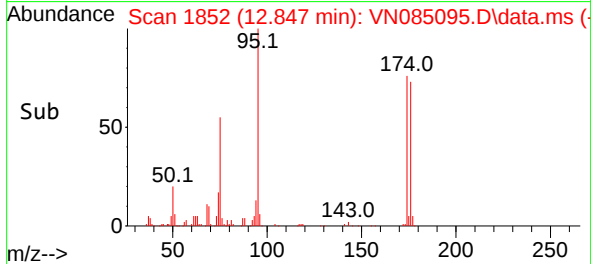
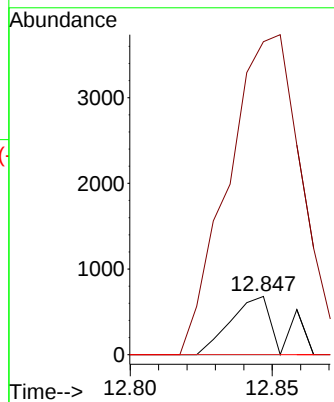


#71
Bromoform
Concen: 0.417 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

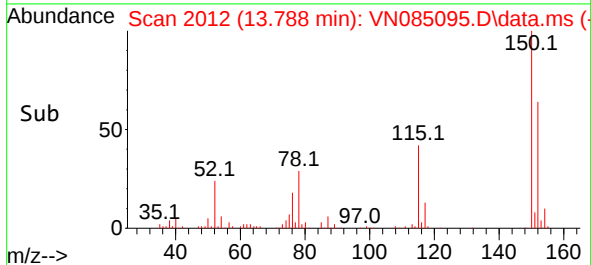
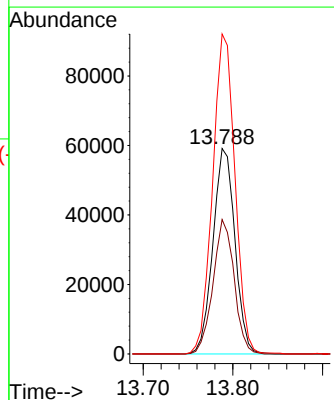
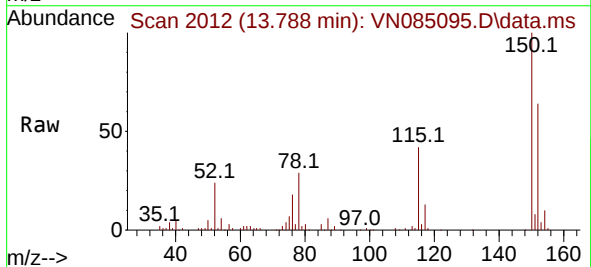


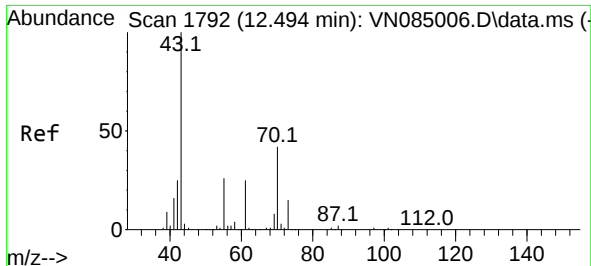
Tgt Ion:173 Resp: 654
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

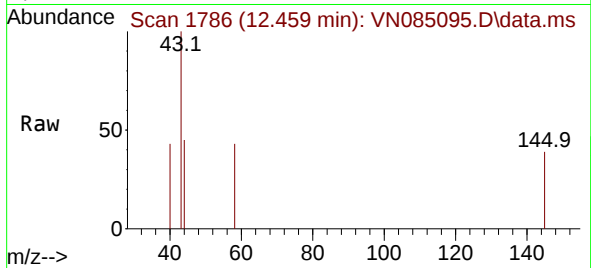
Tgt Ion:152 Resp: 100644
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 157.9 0.0 351.4



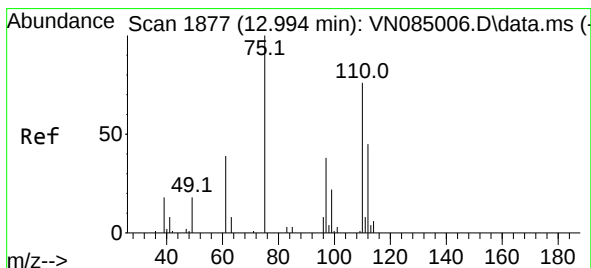
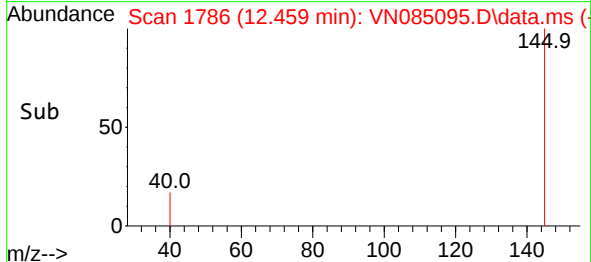
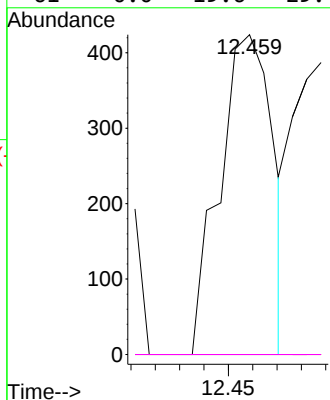


#74
N-amy1 acetate
Concen: 0.220 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :

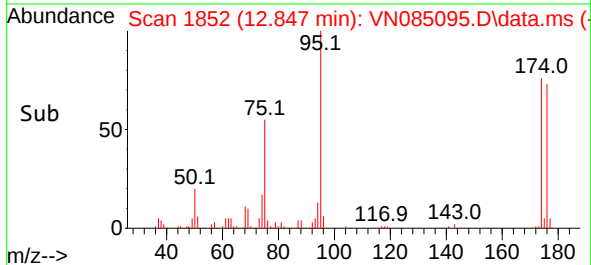
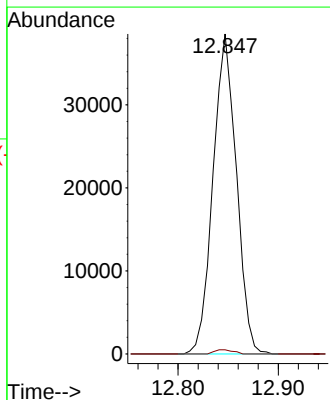
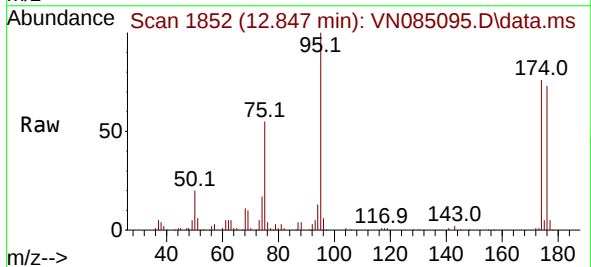


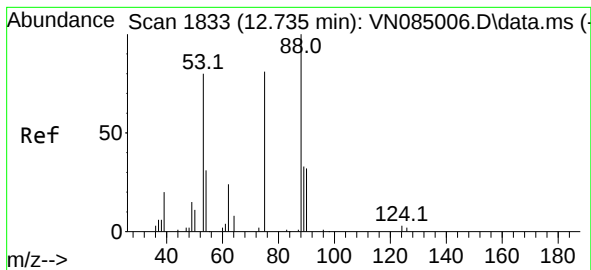
Tgt Ion: 43	Resp: 645
Ion Ratio	Lower Upper
43 100	
70 0.0	34.6 51.8#
55 0.0	20.5 30.7#
61 0.0	19.6 29.4#



#76
1,2,3-Trichloropropane
Concen: 34.037 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

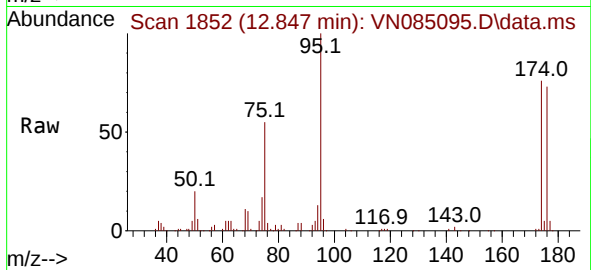
Tgt Ion: 75	Resp: 62309
Ion Ratio	Lower Upper
75 100	
77 1.0	109.1 327.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.139 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085095.D
Acq: 04 Dec 2024 15:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 62309
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

