

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085093.D
 Acq On : 04 Dec 2024 14:49
 Operator : JC\MD
 Sample : P5052-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:07:23 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

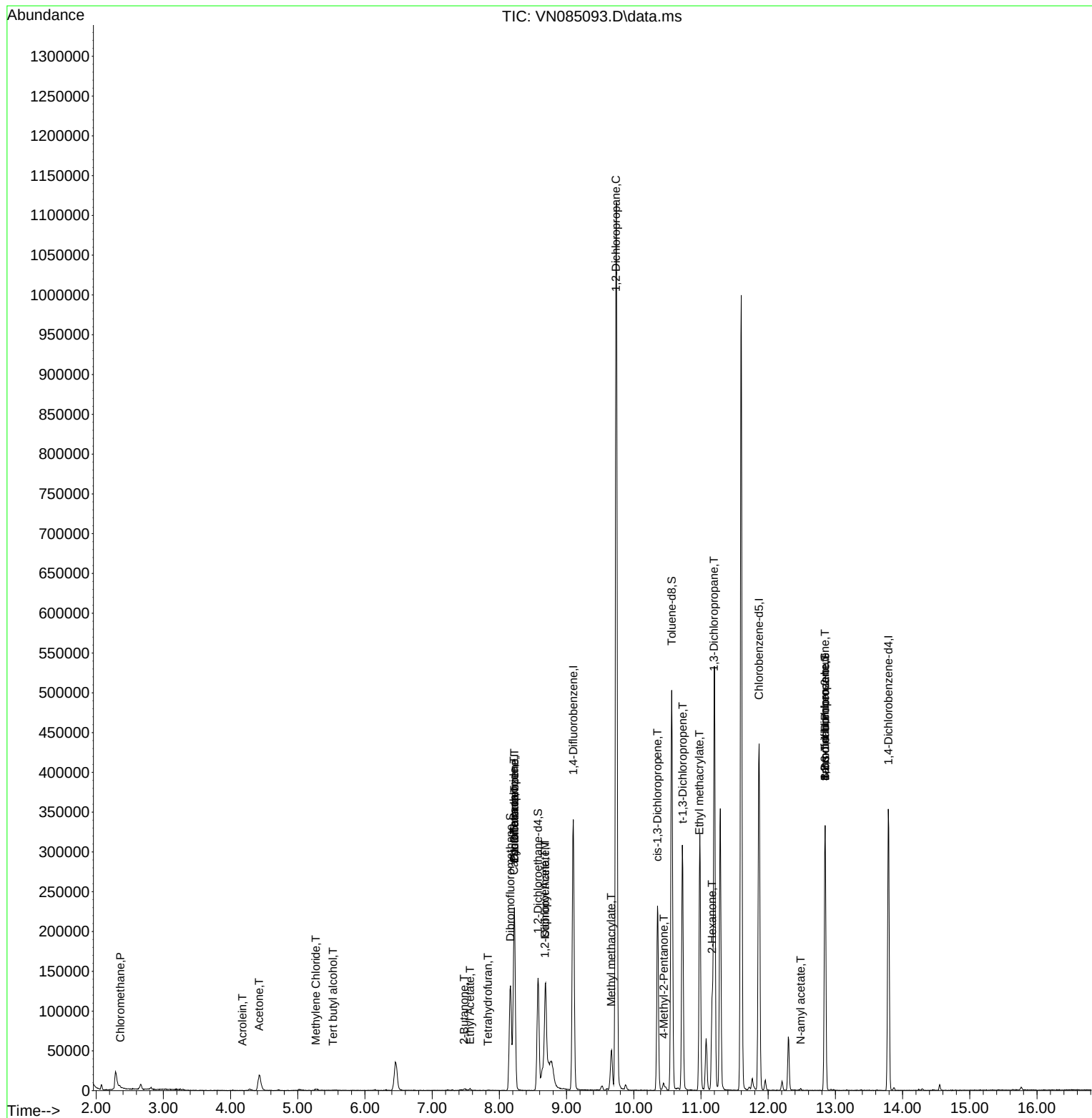
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118353	51.371	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.740%		
35) Dibromofluoromethane	8.165	113	97139	49.143	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.280%		
50) Toluene-d8	10.565	98	349652	49.359	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.720%		
62) 4-Bromofluorobenzene	12.847	95	116896	44.126	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 88.260%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	776	0.366	ug/l #	40
11) Tert butyl alcohol	5.524	59	63	0.205	ug/l #	75
13) Acrolein	4.177	56	57	0.277	ug/l #	16
16) Acetone	4.424	43	37223	55.476	ug/l	99
18) Methyl Acetate	5.012	43	1112	Below Cal	#	80
20) Methylene Chloride	5.271	84	985	0.481	ug/l #	58
25) 2-Butanone	7.477	43	4236	3.861	ug/l #	87
29) Tetrahydrofuran	7.830	42	255	0.374	ug/l #	31
31) Cyclohexane	8.224	56	3887	1.267	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	13332	4.979	ug/l #	51
37) Ethyl Acetate	7.565	43	2937	1.207	ug/l #	81
38) Carbon Tetrachloride	8.218	117	17104	5.534	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	910	0.314	ug/l #	75
43) Isopropyl Acetate	8.682	43	194323	38.435	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	1613	0.773	ug/l #	45
48) Methyl methacrylate	9.665	41	3198	1.700	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	9222	3.993	ug/l #	72
53) t-1,3-Dichloropropene	10.729	75	663	0.215	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	41846	12.809	ug/l #	63
56) Ethyl methacrylate	10.976	69	1445	0.530	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	5702	1.735	ug/l #	42
59) 2-Hexanone	11.165	43	104038	60.237	ug/l #	23
71) Bromoform	12.847	173	644	0.426	ug/l #	1
74) N-amyl acetate	12.482	43	890	0.316	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	61607	34.986	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61607	77.234	ug/l #	10

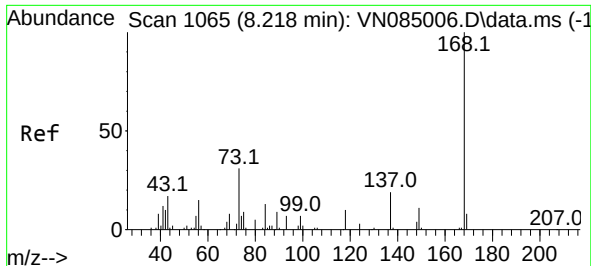
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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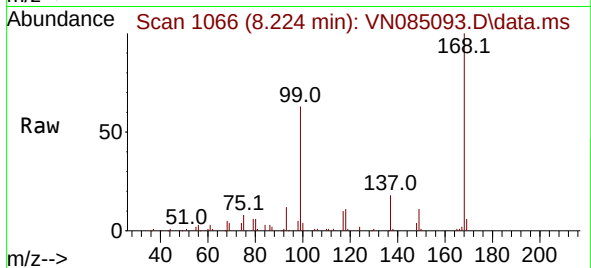
Quant Time: Dec 04 22:07:23 2024
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QLast Update : Sat Nov 23 02:54:10 2024
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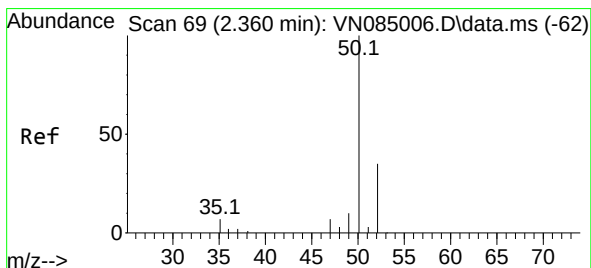
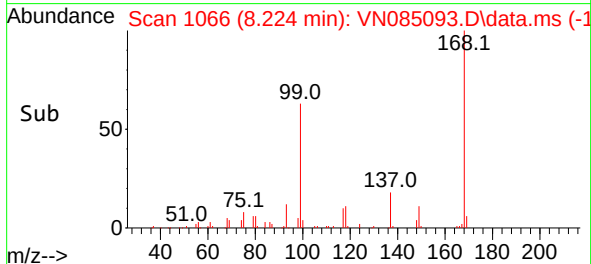
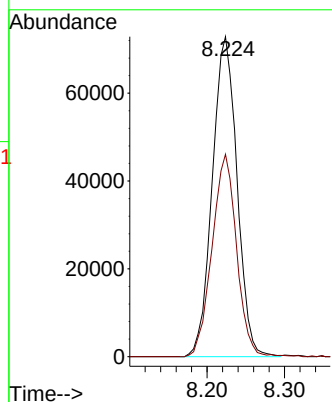


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

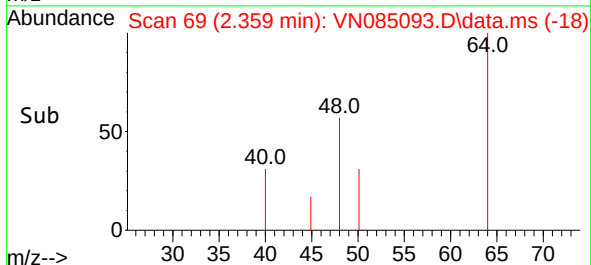
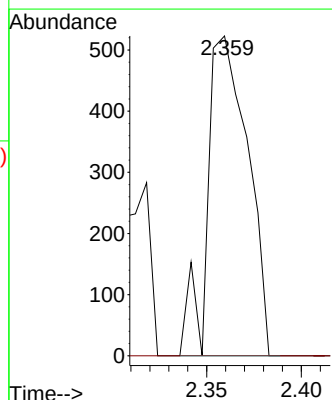
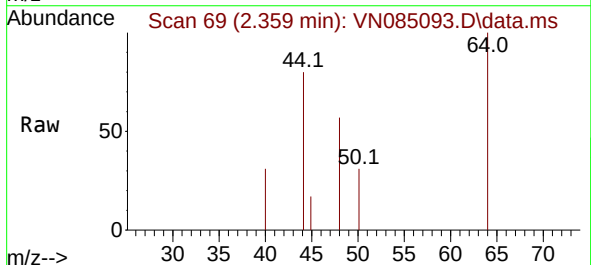


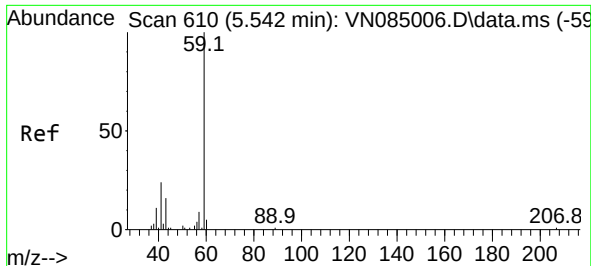
Tgt Ion:168 Resp: 161741
Ion Ratio Lower Upper
168 100
99 63.3 51.2 76.8



#3
Chloromethane
Concen: 0.366 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

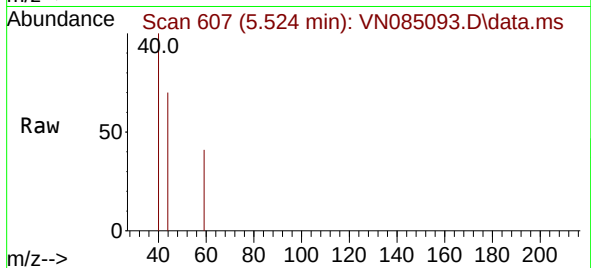
Tgt Ion: 50 Resp: 776
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#



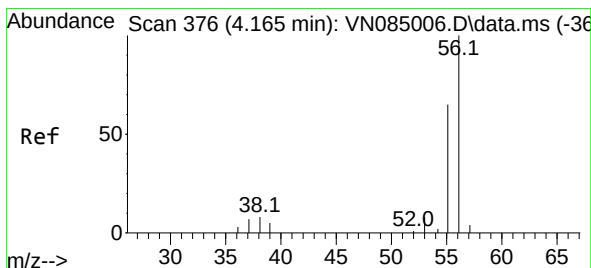
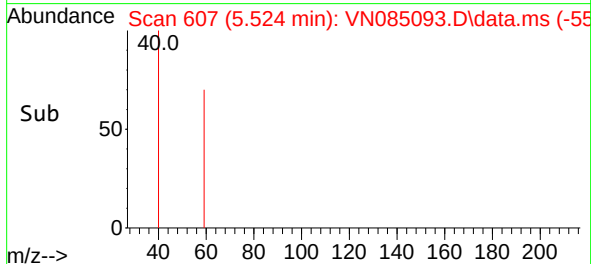
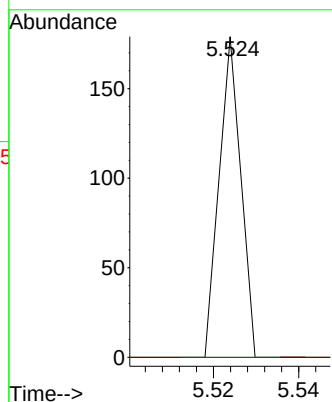


#11
Tert butyl alcohol
Concen: 0.205 ug/l
RT: 5.524 min Scan# 610
Delta R.T. -0.018 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

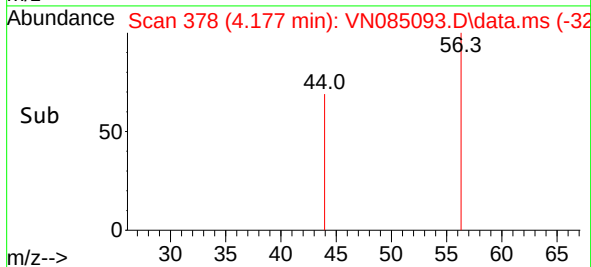
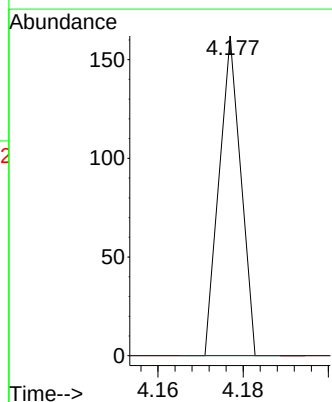
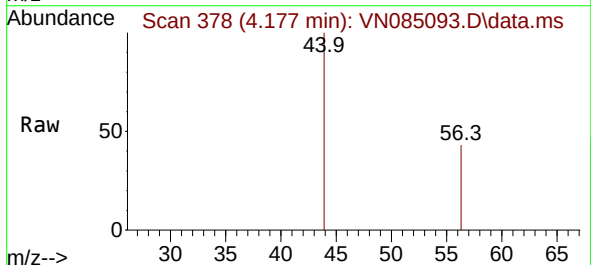


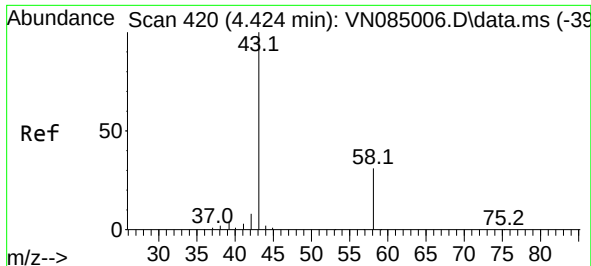
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#13
Acrolein
Concen: 0.277 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

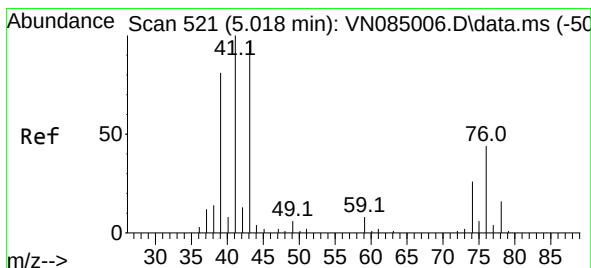
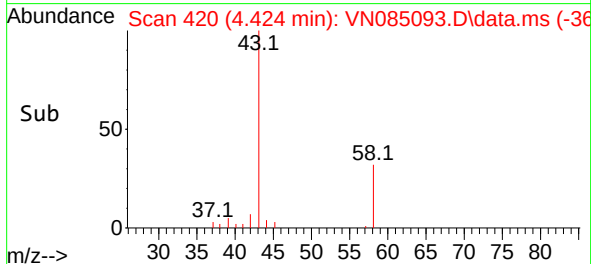
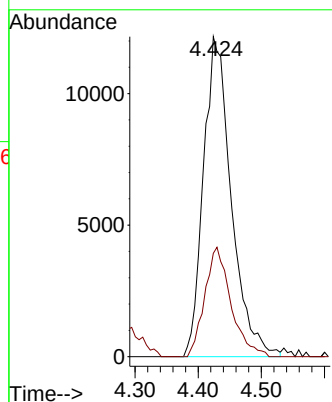
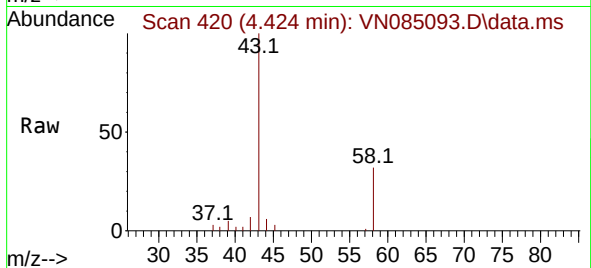




#16
 Acetone
 Concen: 55.476 ug/l
 RT: 4.424 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49

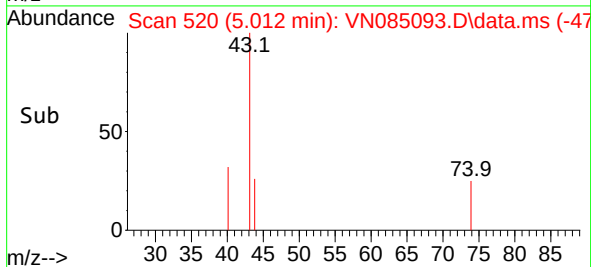
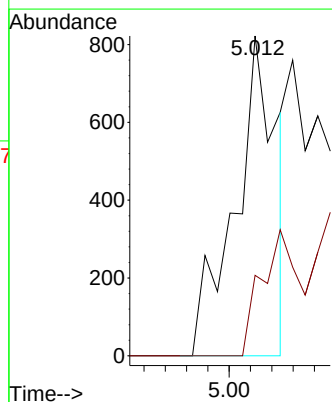
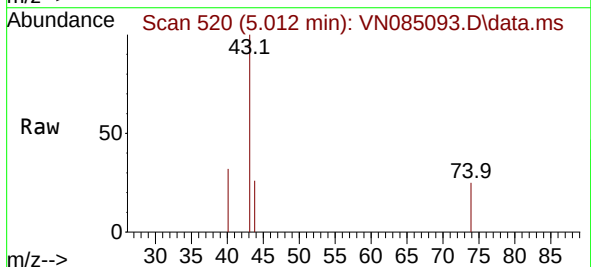
Instrument :
 MSVOA_N
 ClientSampleId :

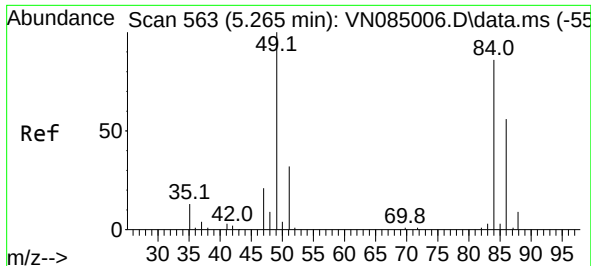
Tgt Ion: 43 Resp: 37223
 Ion Ratio Lower Upper
 43 100
 58 32.3 25.4 38.2



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 5.012 min Scan# 520
 Delta R.T. -0.006 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49

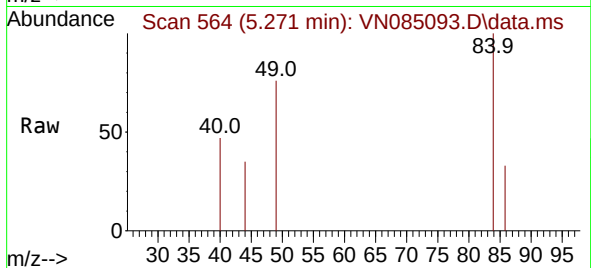
Tgt Ion: 43 Resp: 1112
 Ion Ratio Lower Upper
 43 100
 74 35.0 20.1 30.1#





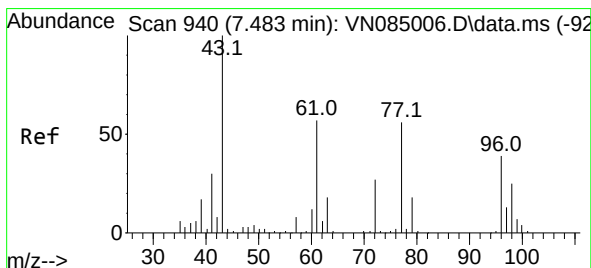
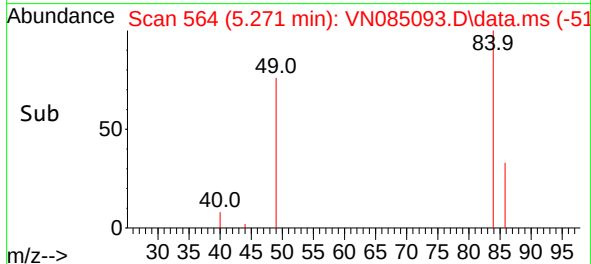
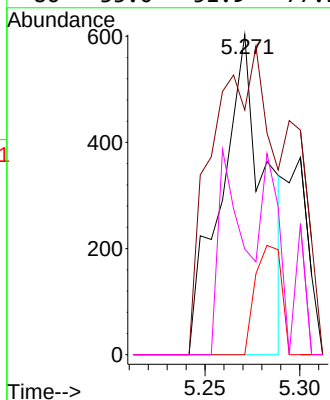
#20
Methylene Chloride
Concen: 0.481 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 985

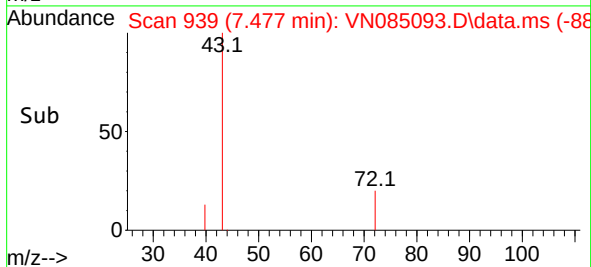
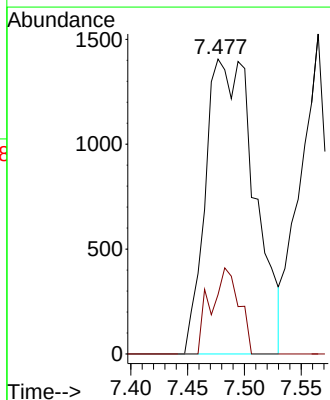
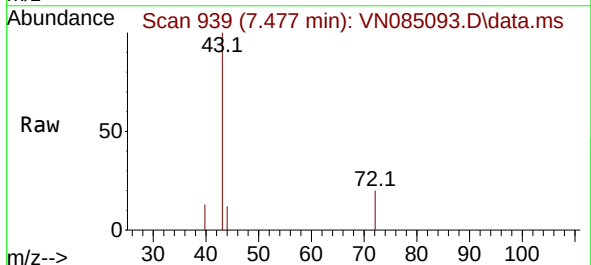
Ion	Ratio	Lower	Upper
84	100		
49	76.5	92.7	139.1#
51	0.0	29.4	44.2#
86	33.0	51.9	77.9#

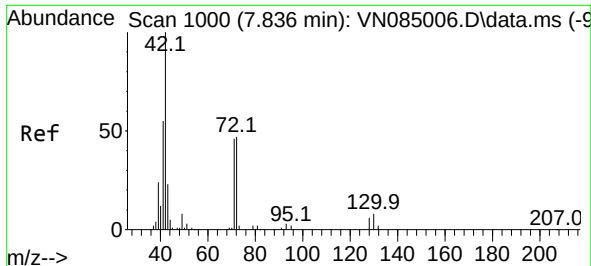


#25
2-Butanone
Concen: 3.861 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Tgt Ion: 43 Resp: 4236

Ion	Ratio	Lower	Upper
43	100		
72	20.1	21.4	32.0#





#29

Tetrahydrofuran

Concen: 0.374 ug/l

RT: 7.830 min Scan# 91

Delta R.T. -0.006 min

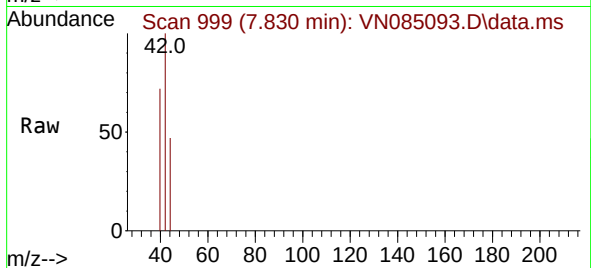
Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

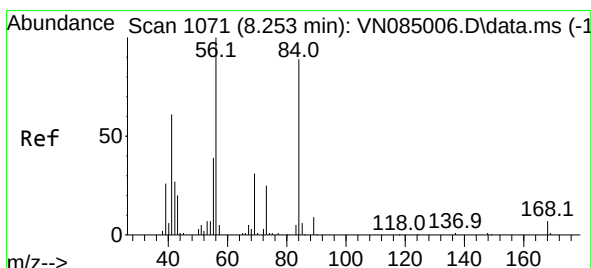
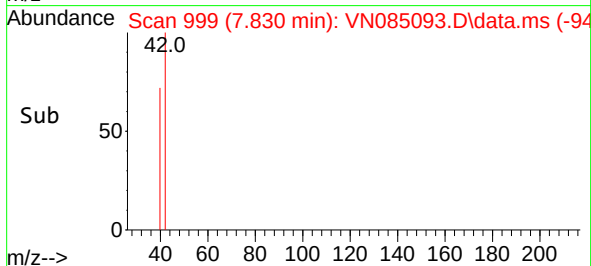
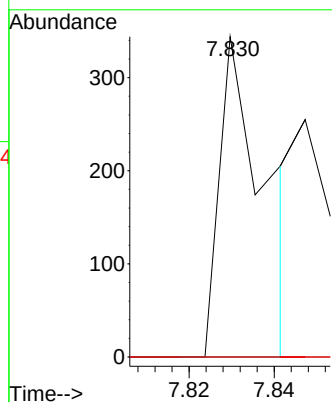
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	255
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.4#
71	0.0	35.0	52.4#



#31

Cyclohexane

Concen: 1.267 ug/l

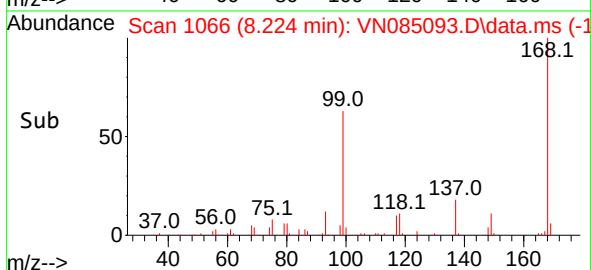
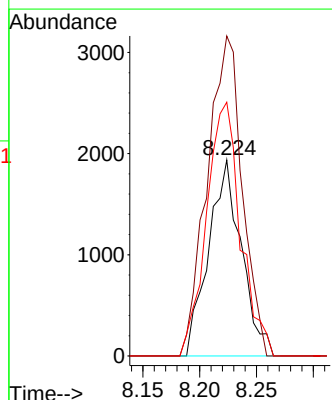
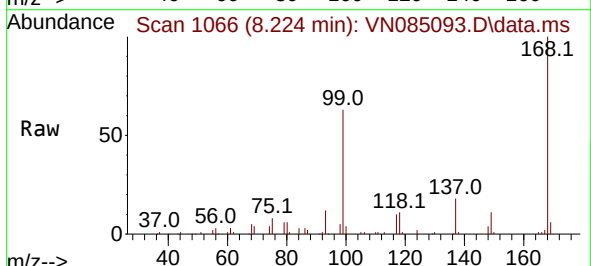
RT: 8.224 min Scan# 1066

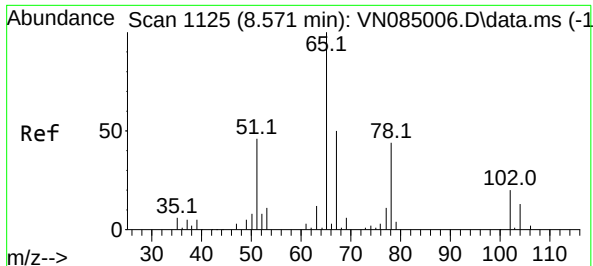
Delta R.T. -0.030 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

Tgt Ion:	56	Resp:	3887
Ion	Ratio	Lower	Upper
56	100		
69	149.2	24.6	36.8#
84	118.3	71.4	107.2#





#33

1,2-Dichloroethane-d4

Concen: 51.371 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085093.D

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Instrument :

MSVOA_N

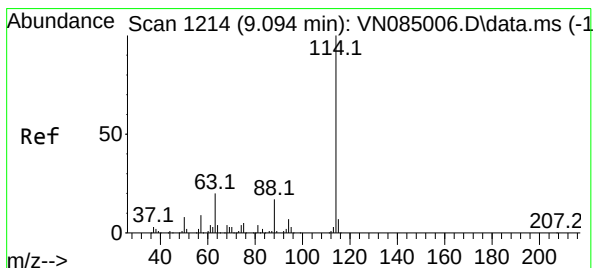
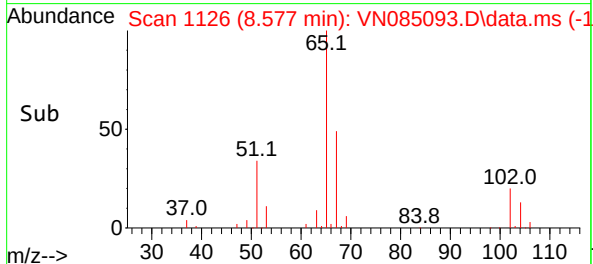
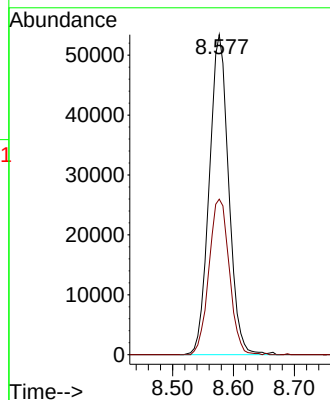
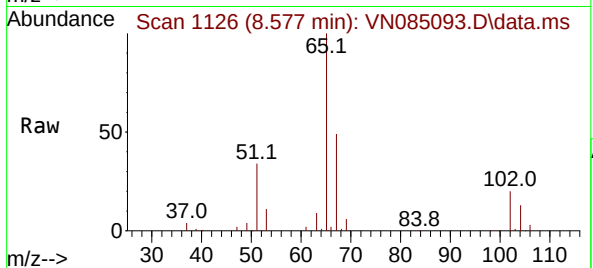
ClientSampleId :

Tgt Ion: 65 Resp: 118353

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

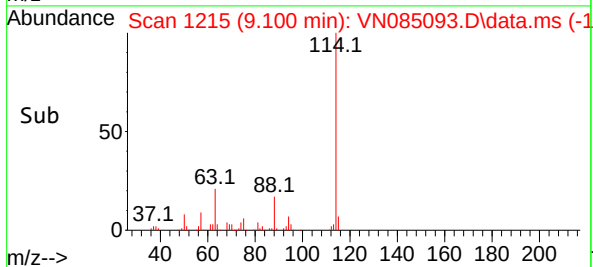
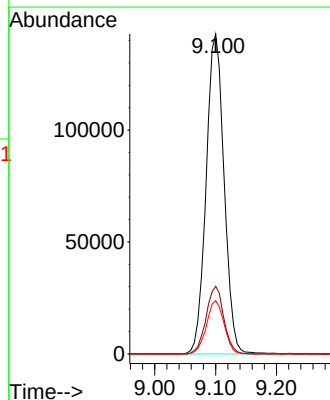
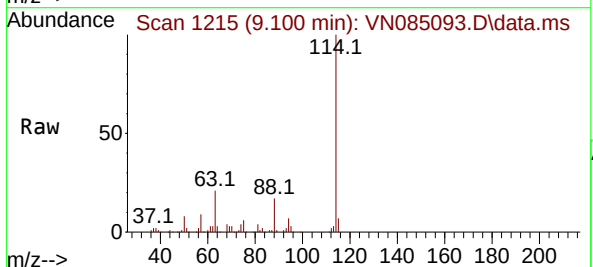
Tgt Ion: 114 Resp: 293115

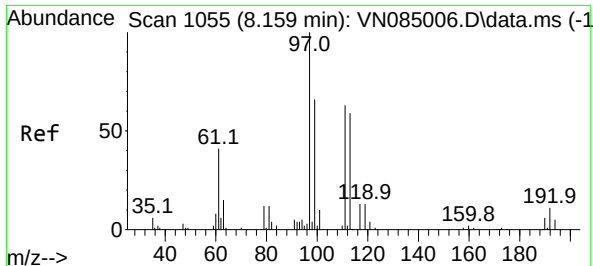
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.0

88 16.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.143 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

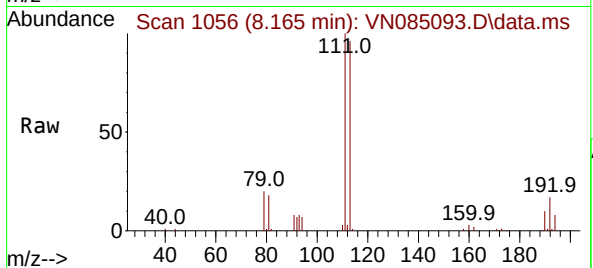
Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :



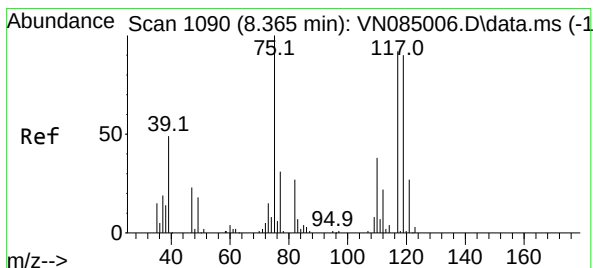
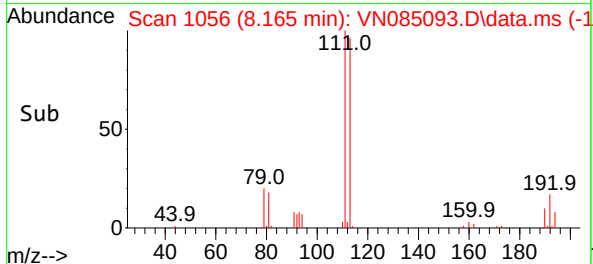
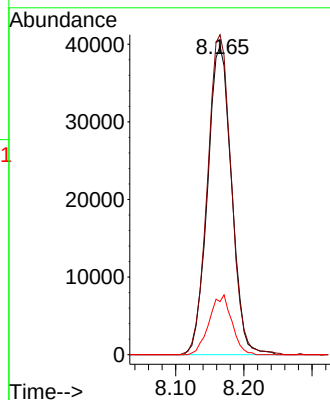
Tgt Ion:113 Resp: 97139

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

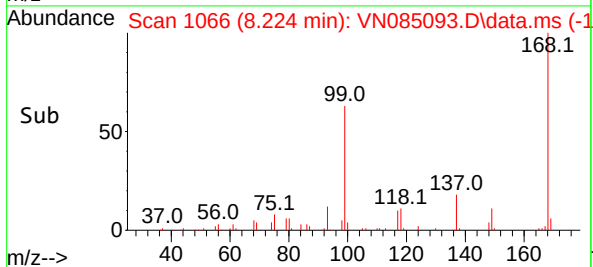
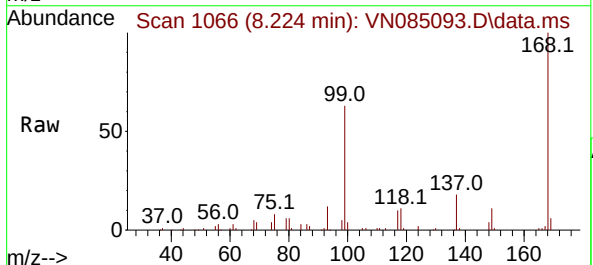
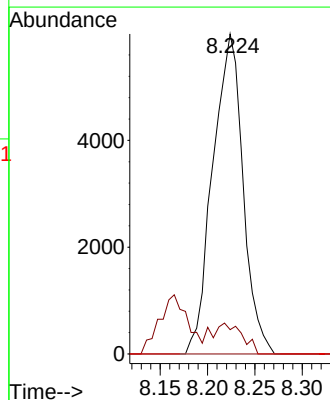
Tgt Ion: 75 Resp: 13332

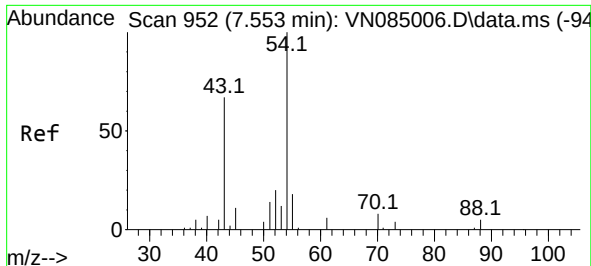
Ion Ratio Lower Upper

75 100

110 9.8 17.2 51.6#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 1.207 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085093.D

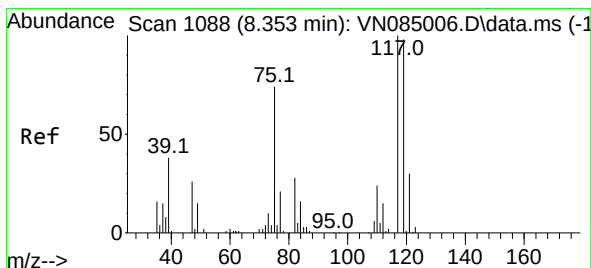
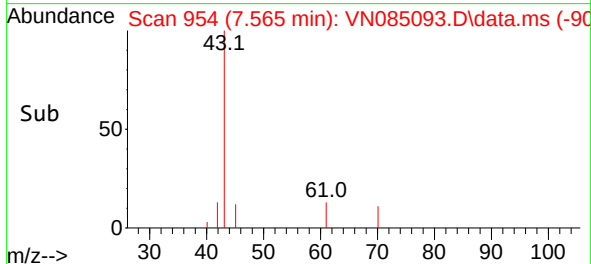
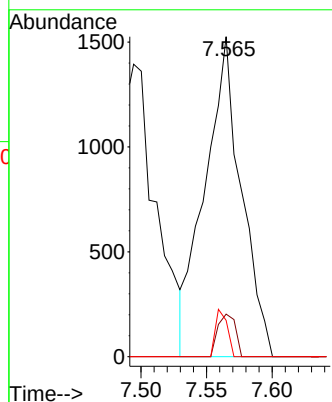
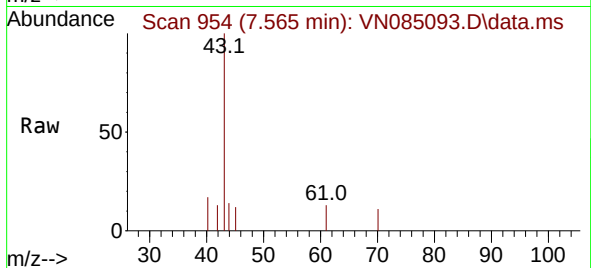
Acq: 04 Dec 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	2937
Ion	Ratio	Lower	Upper
43	100		
61	6.4	11.7	17.5#
70	4.8	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 5.534 ug/l

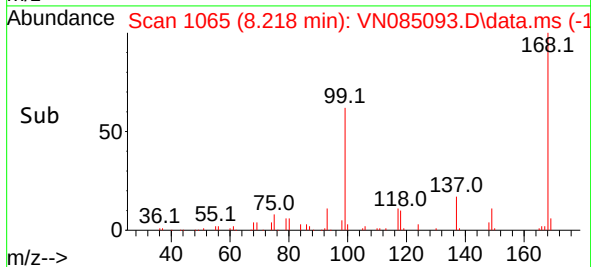
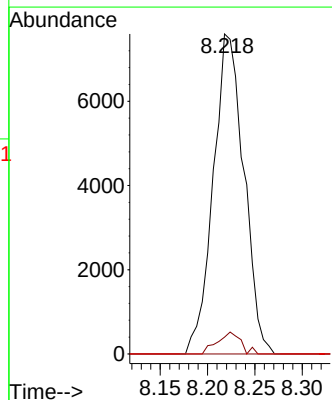
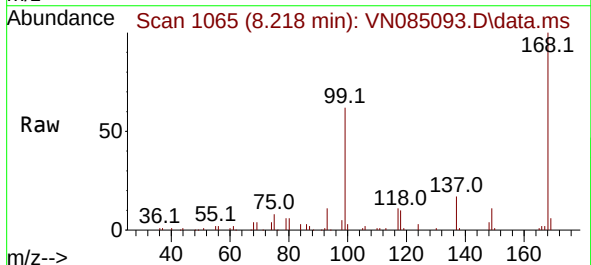
RT: 8.218 min Scan# 1065

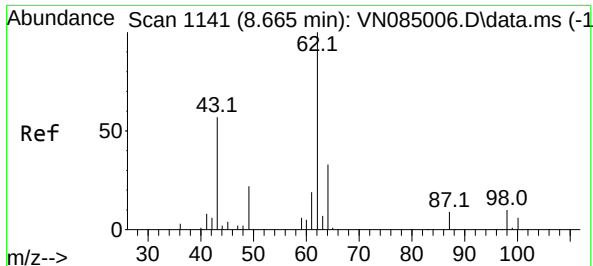
Delta R.T. -0.135 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

Tgt Ion:	117	Resp:	17104
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.6	117.8#
121	0.0	24.2	36.2#





#42

1,2-Dichloroethane

Concen: 0.314 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

Instrument :

MSVOA_N

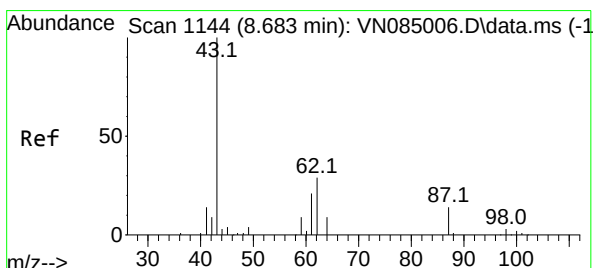
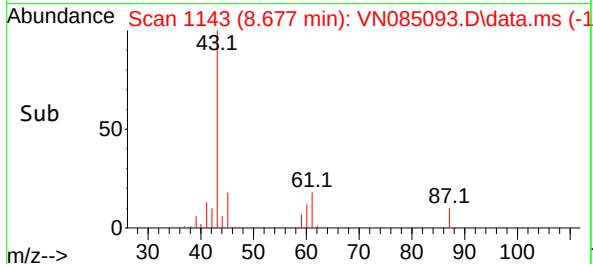
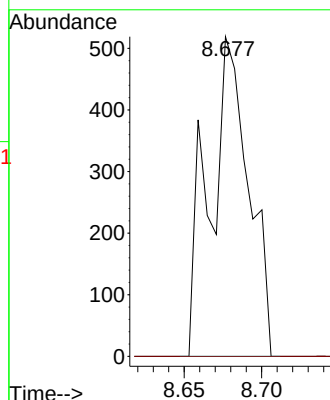
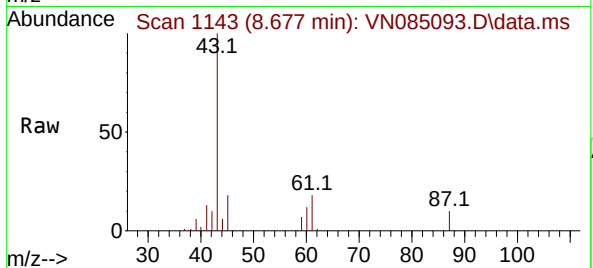
ClientSampleId :

Tgt Ion: 62 Resp: 910

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 38.435 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

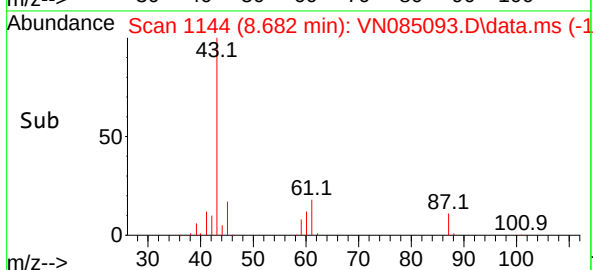
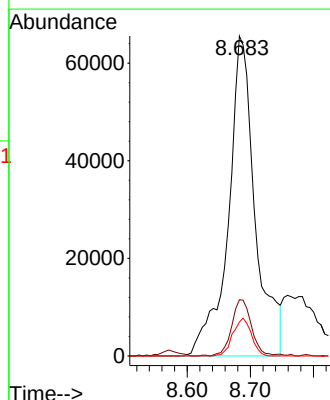
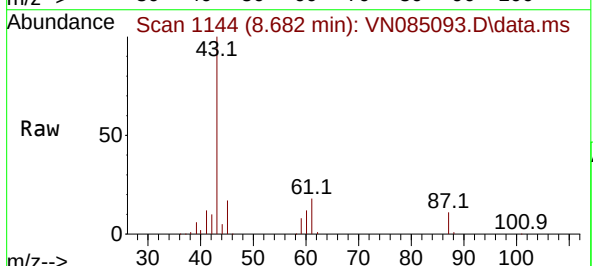
Tgt Ion: 43 Resp: 194323

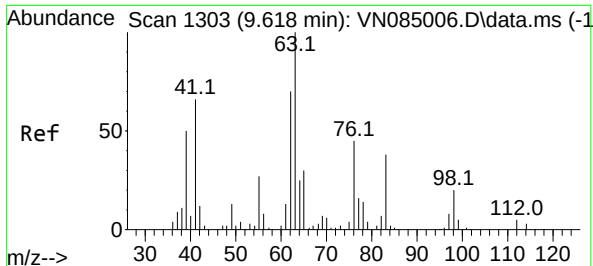
Ion Ratio Lower Upper

43 100

61 13.1 20.6 30.8#

87 8.1 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.773 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

Instrument :

MSVOA_N

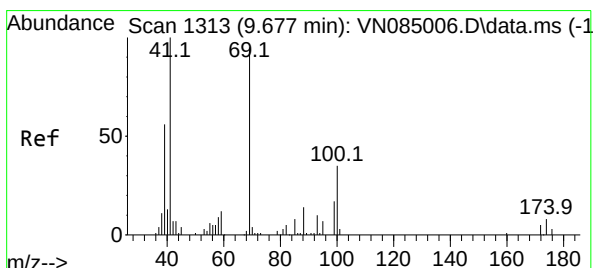
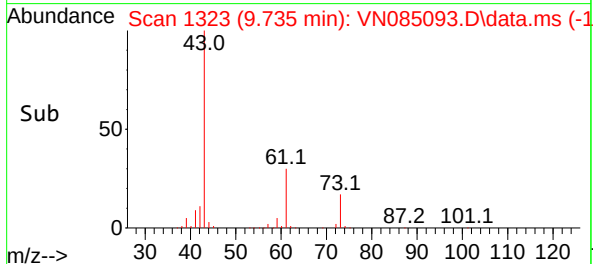
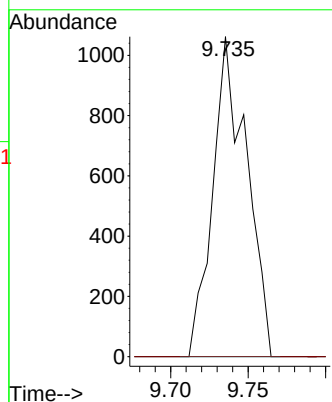
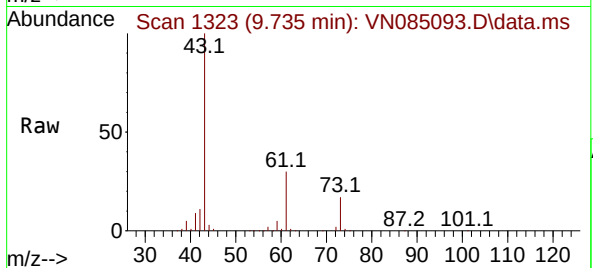
ClientSampleId :

Tgt Ion: 63 Resp: 1613

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.700 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085093.D

Acq: 04 Dec 2024 14:49

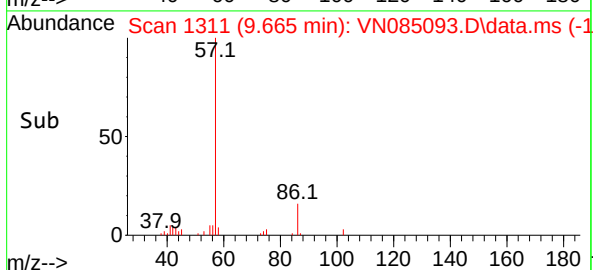
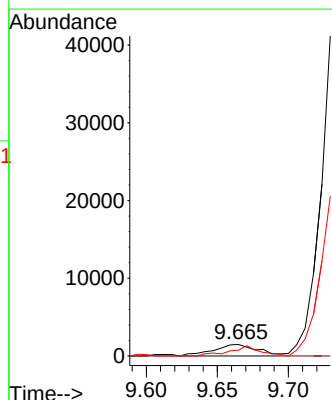
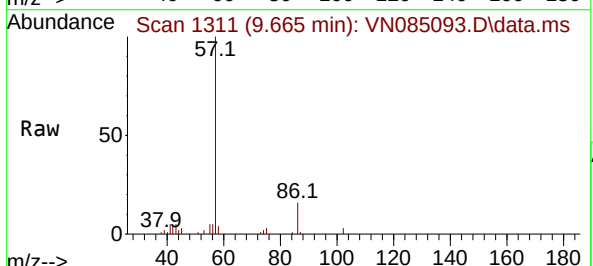
Tgt Ion: 41 Resp: 3198

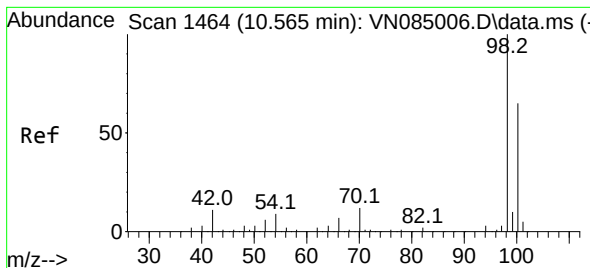
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 59.8 46.2 69.4

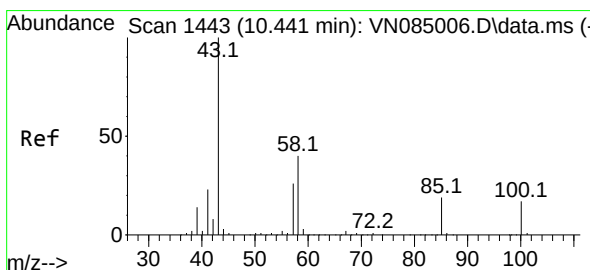
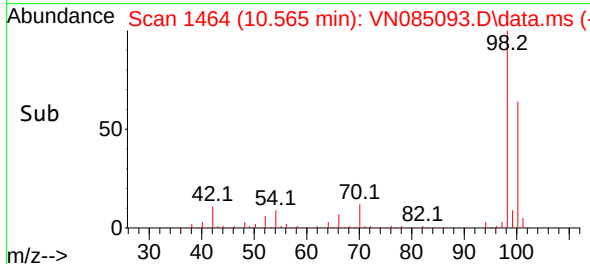
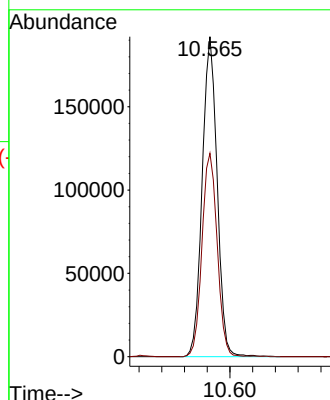
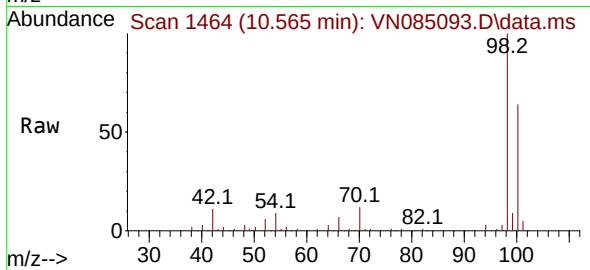




#50
Toluene-d8
Concen: 49.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

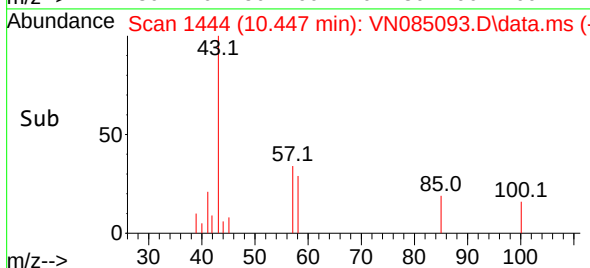
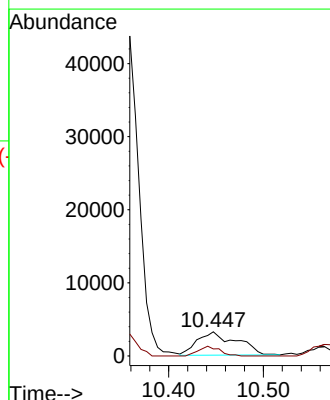
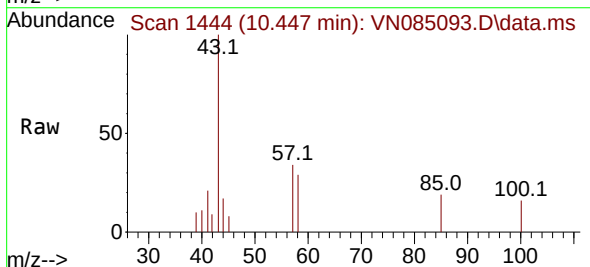
Instrument :
MSVOA_N
ClientSampleId :

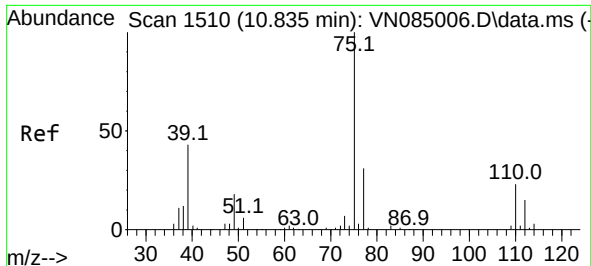
Tgt Ion: 98 Resp: 349652
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.993 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Tgt Ion: 43 Resp: 9222
Ion Ratio Lower Upper
43 100
58 22.5 32.1 48.1#

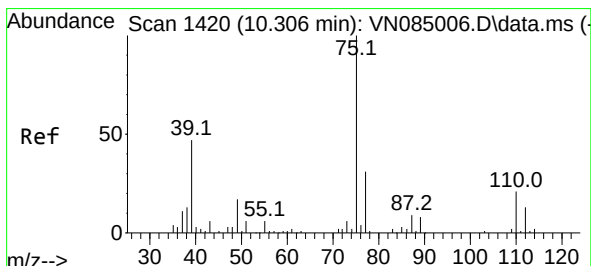
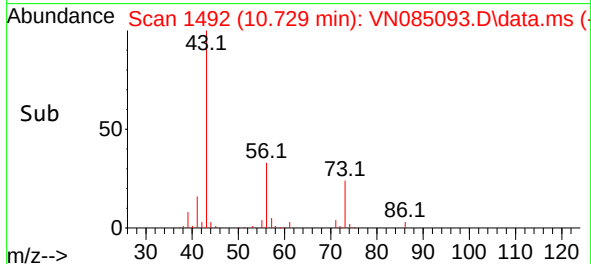
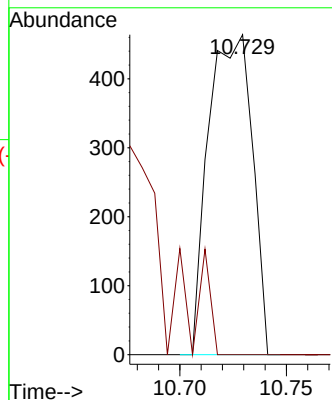
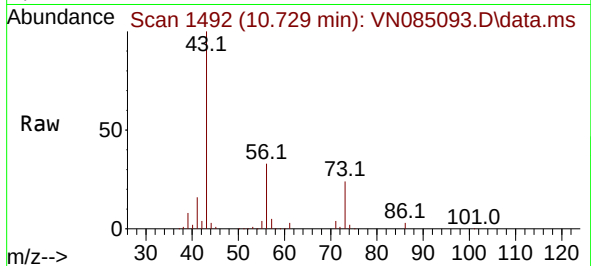




#53
 t-1,3-Dichloropropene
 Concen: 0.215 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49

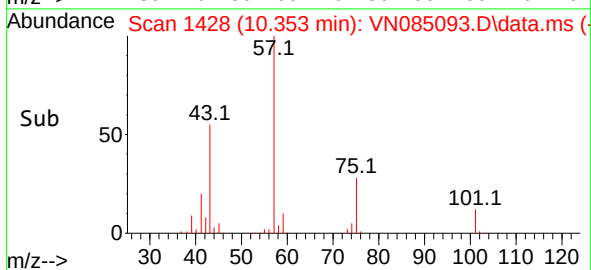
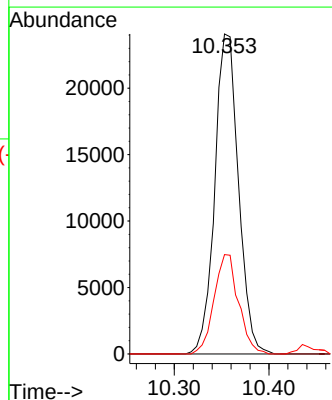
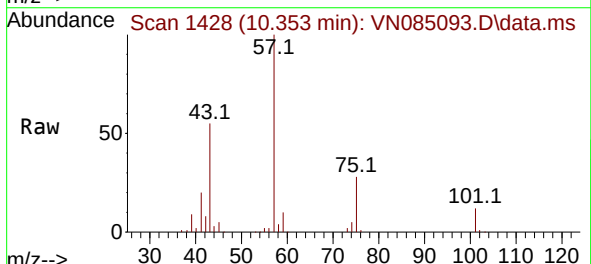
Instrument :
 MSVOA_N
 ClientSampleId :

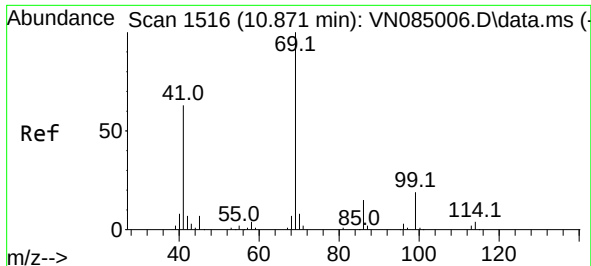
Tgt Ion: 75 Resp: 663
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#



#54
 cis-1,3-Dichloropropene
 Concen: 12.809 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49

Tgt Ion: 75 Resp: 41846
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 31.1 37.6 56.4#

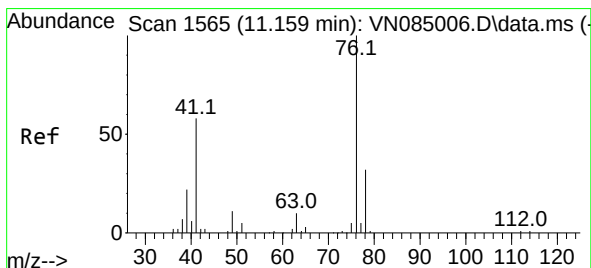
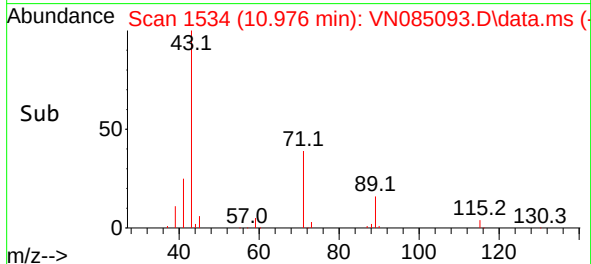
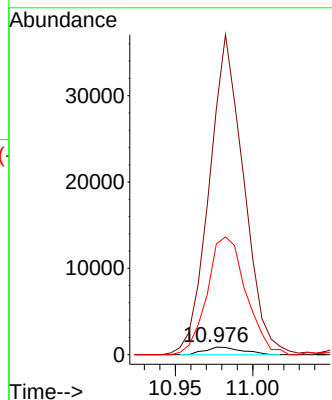
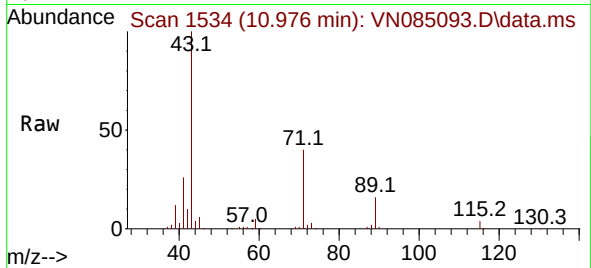




#56
Ethyl methacrylate
Concen: 0.530 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

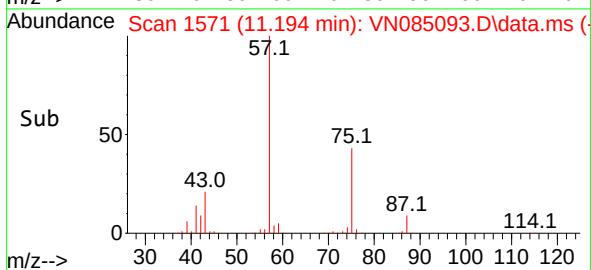
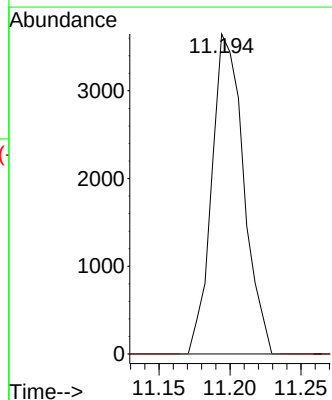
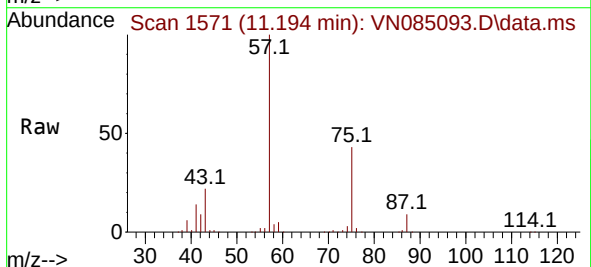
Instrument :
MSVOA_N
ClientSampleId :

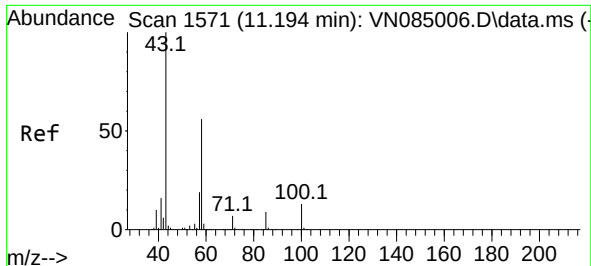
Tgt Ion: 69 Resp: 1445
Ion Ratio Lower Upper
69 100
41 3990.9 50.0 75.0#
39 1642.4 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.735 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

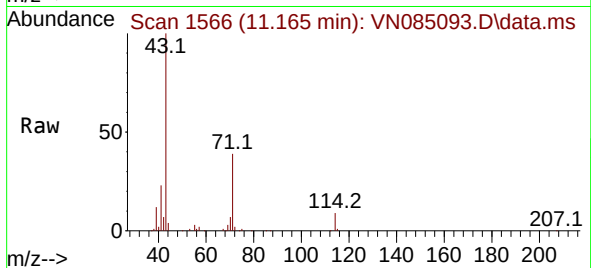
Tgt Ion: 76 Resp: 5702
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



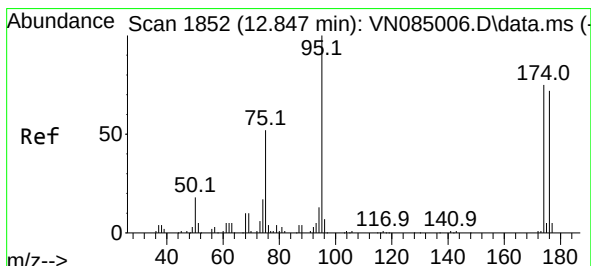
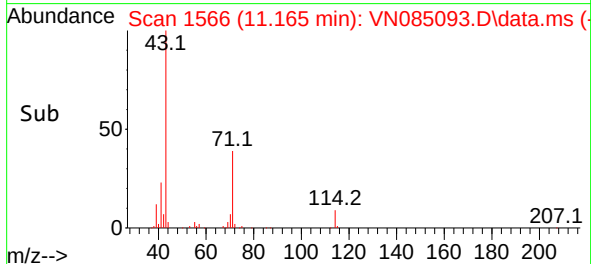
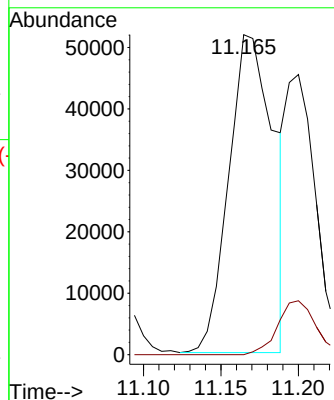


#59
2-Hexanone
Concen: 60.237 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.030 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

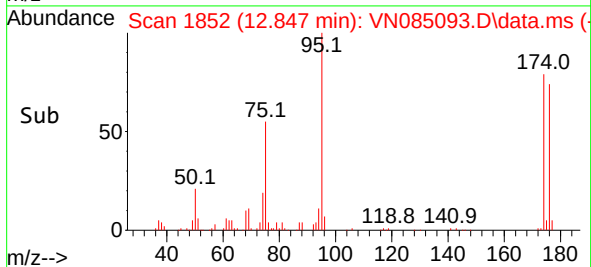
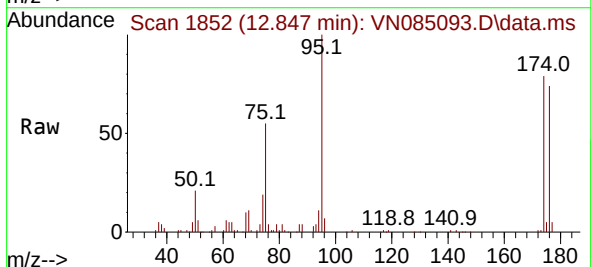
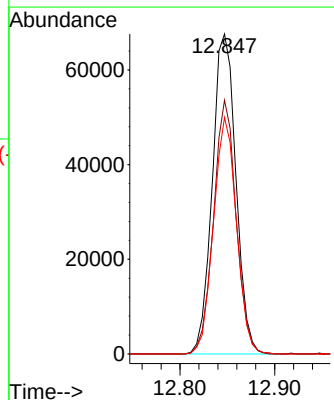


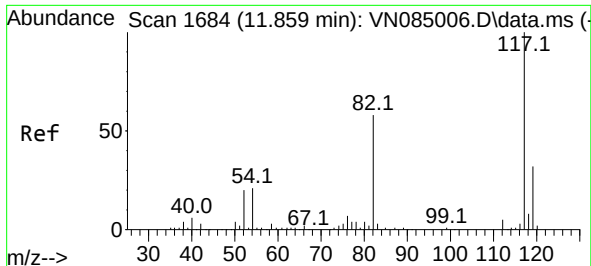
Tgt Ion: 43 Resp: 104038
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 44.126 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Tgt Ion: 95 Resp: 116896
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.6
176 72.1 0.0 141.8

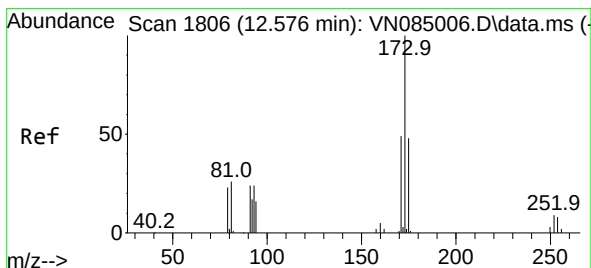
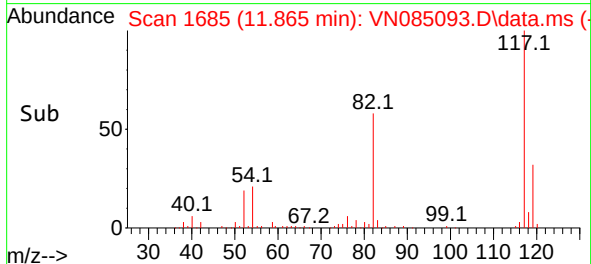
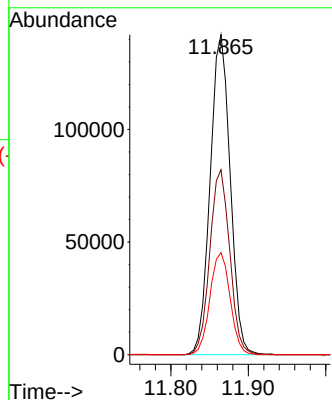
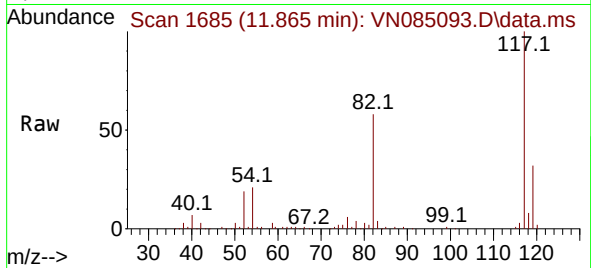




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

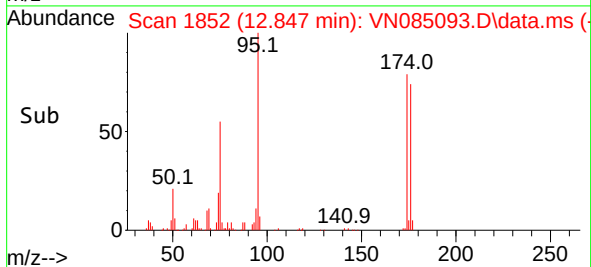
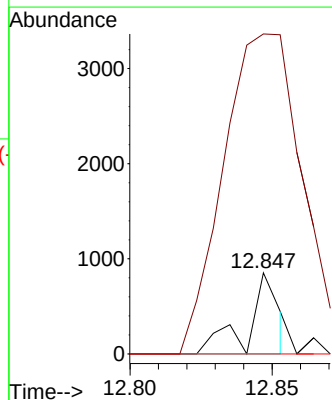
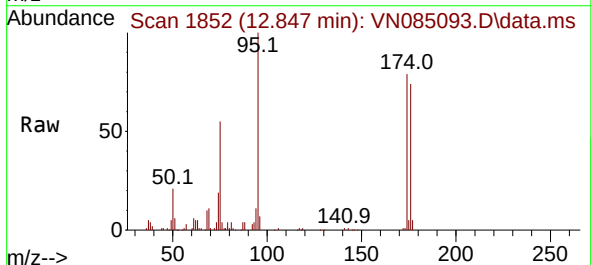
Instrument :
MSVOA_N
ClientSampleId :

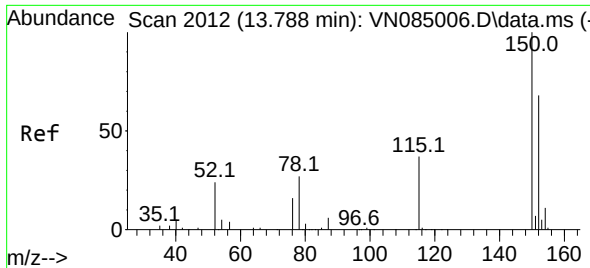
Tgt Ion:117 Resp: 255337
Ion Ratio Lower Upper
117 100
82 57.8 46.0 69.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.426 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

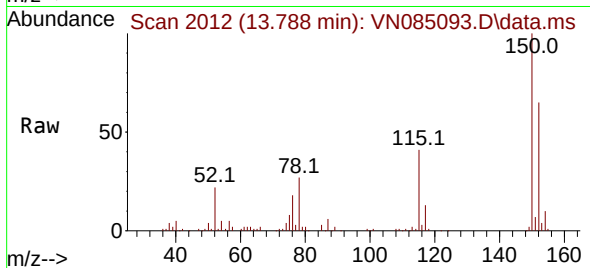
Tgt Ion:173 Resp: 644
Ion Ratio Lower Upper
173 100
175 782.3 23.8 71.2#
254 0.0 0.0 0.0



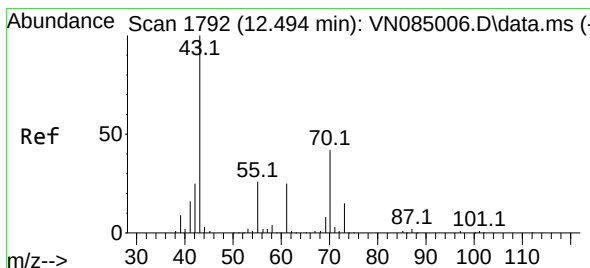
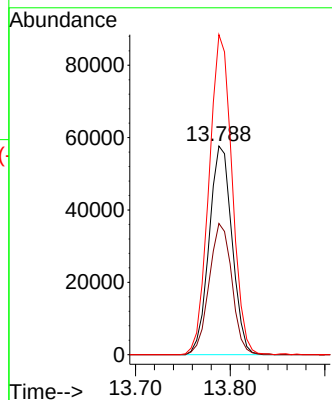
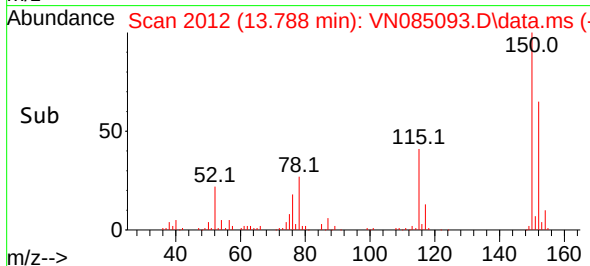


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49

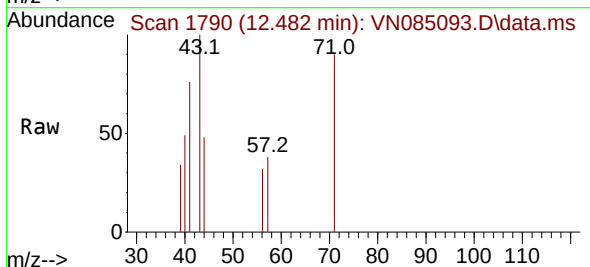
Instrument :
 MSVOA_N
 ClientSampleId :



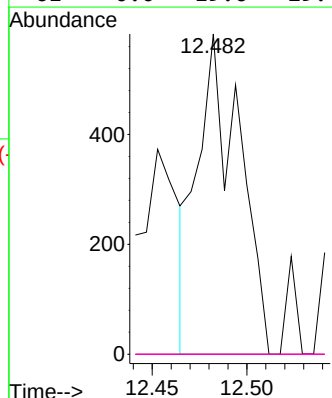
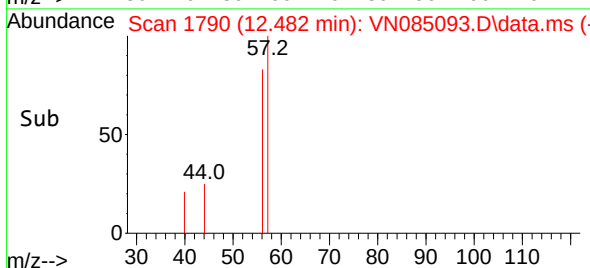
Tgt Ion:152 Resp: 96810
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.7 95.1
 150 154.1 0.0 351.4

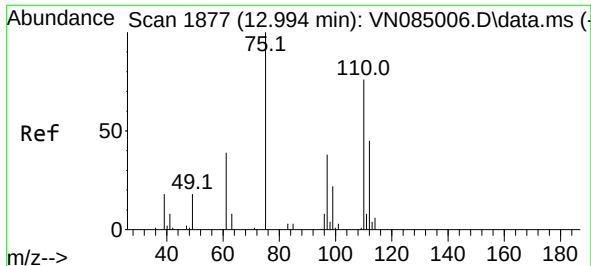


#74
 N-ethyl acetate
 Concen: 0.316 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN085093.D
 Acq: 04 Dec 2024 14:49



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#

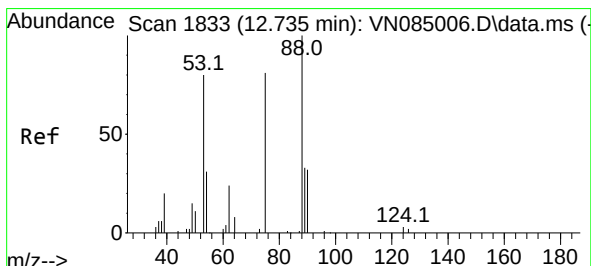
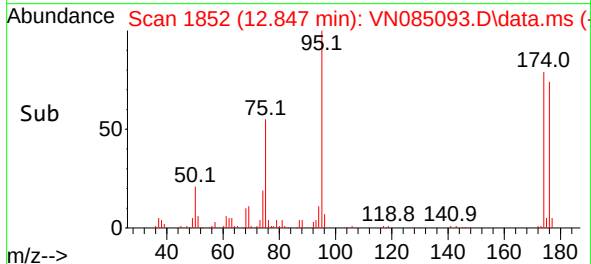
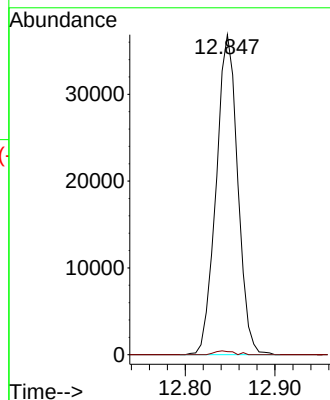
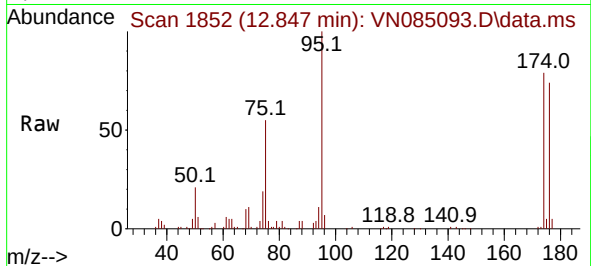




#76
1,2,3-Trichloropropane
Concen: 34.986 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61607
Ion Ratio Lower Upper
75 100
77 1.1 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.234 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085093.D
Acq: 04 Dec 2024 14:49

Tgt Ion: 75 Resp: 61607
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

