

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084085.D
 Acq On : 21 Sep 2024 02:59 am
 Operator : JC\MD
 Sample : P4103-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-22A

Quant Time: Sep 21 03:54:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

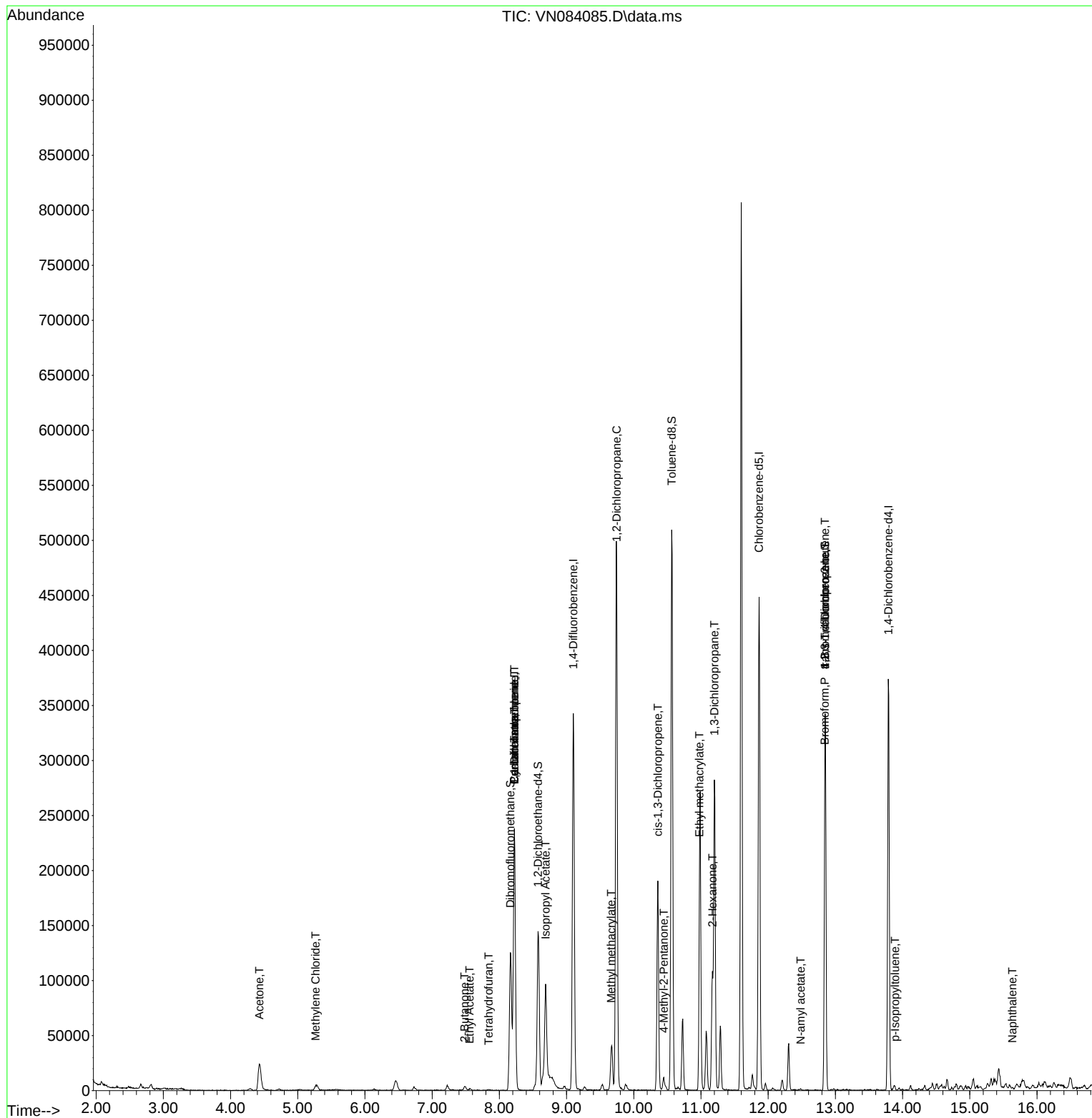
Internal Standards						
1) Pentafluorobenzene	8.224	168	157983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122054	51.237	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.480%	
35) Dibromofluoromethane	8.165	113	88946	50.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	10.565	98	338075	55.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.600%	
62) 4-Bromofluorobenzene	12.847	95	116432	46.162	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	73	Below Cal	#	41
16) Acetone	4.430	43	49221	51.543	ug/l	97
18) Methyl Acetate	5.042	43	1453	Below Cal	#	60
20) Methylene Chloride	5.265	84	3932	2.012	ug/l	# 88
25) 2-Butanone	7.483	43	6169	4.915	ug/l	# 99
29) Tetrahydrofuran	7.841	42	523	0.705	ug/l	# 41
31) Cyclohexane	8.224	56	4425	1.285	ug/l	# 47
36) 1,1-Dichloropropene	8.224	75	14964	5.622	ug/l	# 50
37) Ethyl Acetate	7.559	43	2544	1.053	ug/l	# 76
38) Carbon Tetrachloride	8.224	117	17776	5.887	ug/l	# 17
43) Isopropyl Acetate	8.688	43	124010	28.325	ug/l	# 83
45) 1,2-Dichloropropane	9.747	63	572	0.295	ug/l	# 42
48) Methyl methacrylate	9.665	41	2842	1.368	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.447	43	11269	4.728	ug/l	# 74
54) cis-1,3-Dichloropropene	10.359	75	32965	10.548	ug/l	# 66
56) Ethyl methacrylate	10.976	69	1126	0.400	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	3199	1.017	ug/l	# 42
59) 2-Hexanone	11.171	43	126850	71.953	ug/l	# 24
71) Bromoform	12.841	173	286	0.228	ug/l	# 29
74) N-amyl acetate	12.482	43	739	0.236	ug/l	# 43
76) 1,2,3-Trichloropropane	12.847	75	65006	33.972	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	65006	88.974	ug/l	# 9
86) p-Isopropyltoluene	13.888	119	1269	0.211	ug/l	# 89
95) Naphthalene	15.635	128	1514	0.288	ug/l	# 80

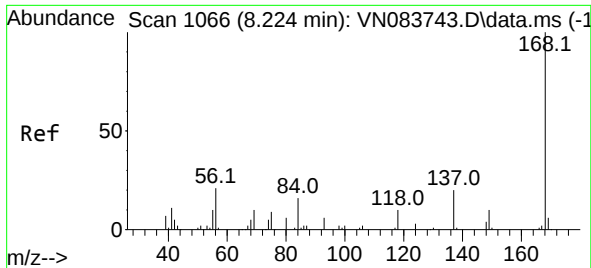
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

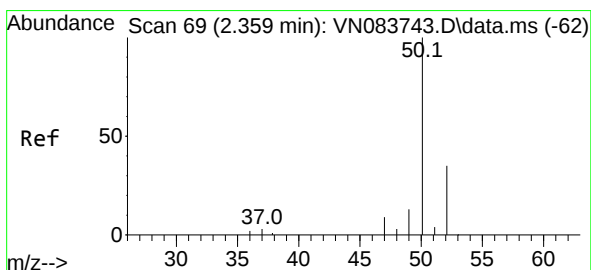
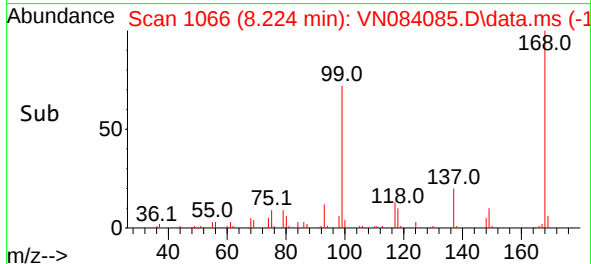
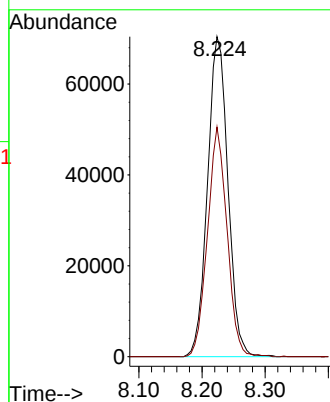
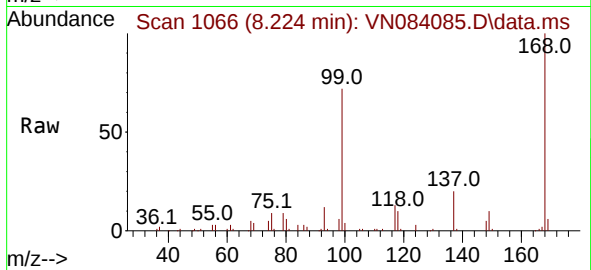




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

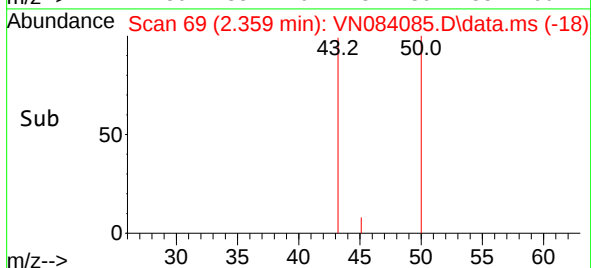
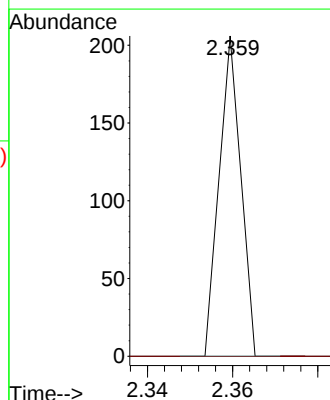
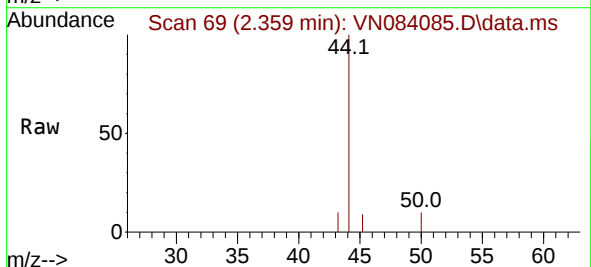
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

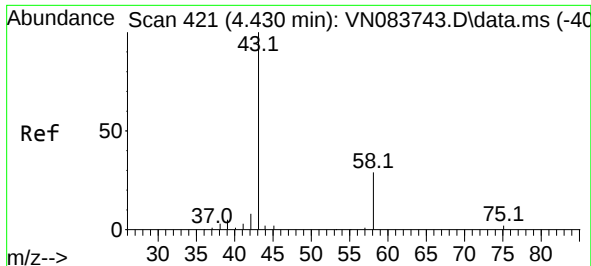
Tgt Ion:168 Resp: 157983
Ion Ratio Lower Upper
168 100
99 71.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 50 Resp: 73
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#16

Acetone

Concen: 51.543 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

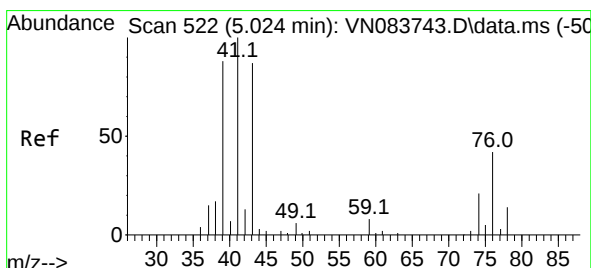
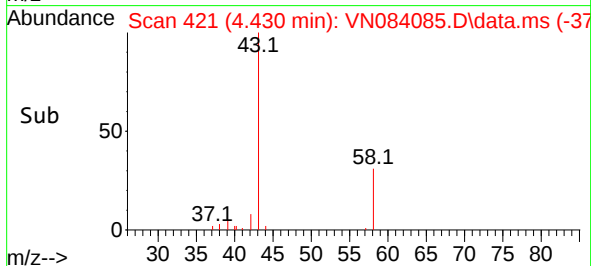
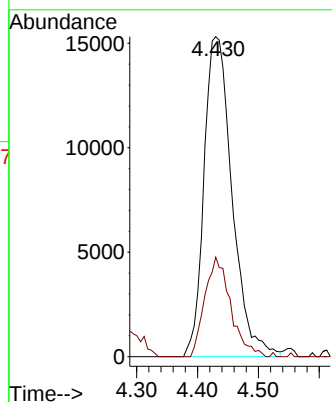
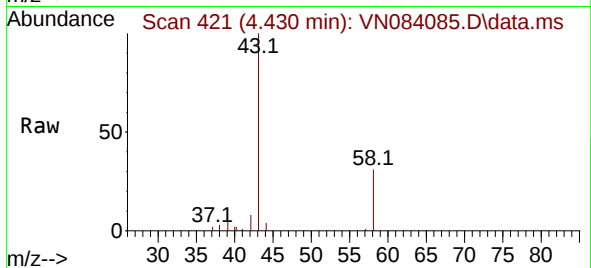
WC-22A

Tgt Ion: 43 Resp: 49221

Ion Ratio Lower Upper

43 100

58 31.1 23.7 35.5



#18

Methyl Acetate

Concen: Below Cal

RT: 5.042 min Scan# 525

Delta R.T. 0.018 min

Lab File: VN084085.D

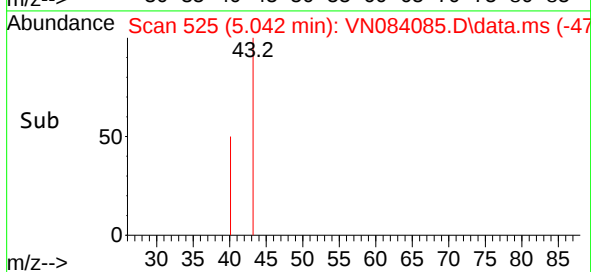
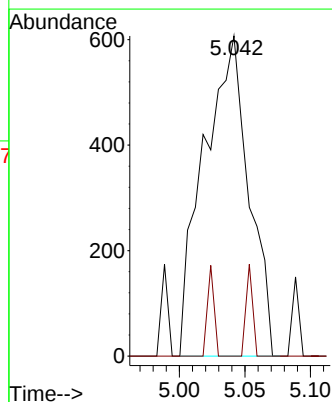
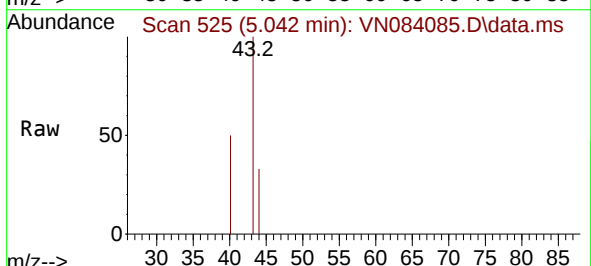
Acq: 21 Sep 2024 02:59 am

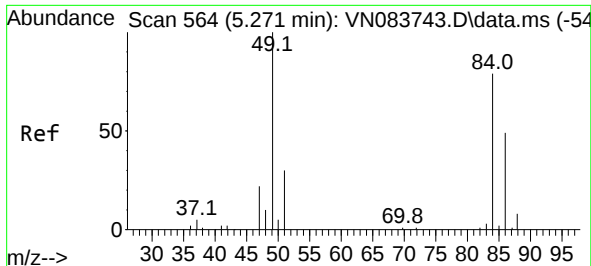
Tgt Ion: 43 Resp: 1453

Ion Ratio Lower Upper

43 100

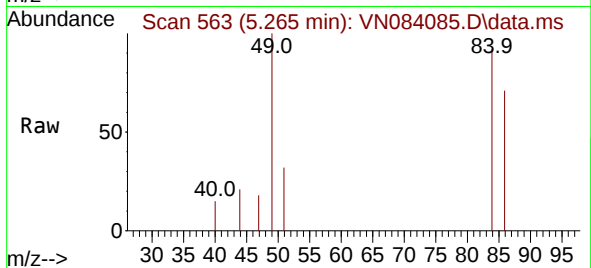
74 4.2 19.0 28.4#



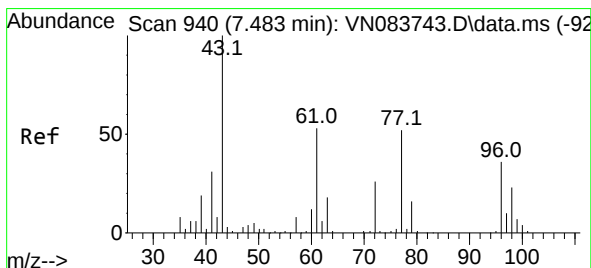
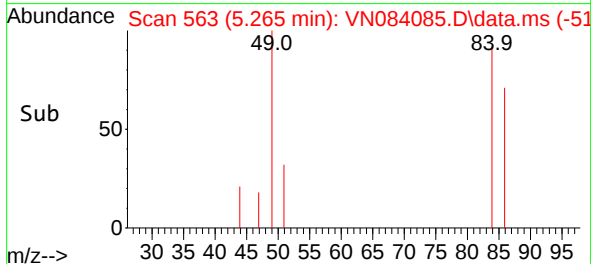
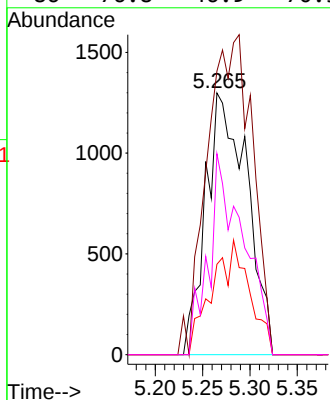


#20
Methylene Chloride
Concen: 2.012 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

Instrument :
MSVOA_N
ClientSampleId :
WC-22A

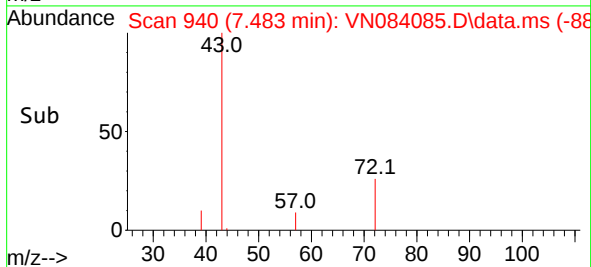
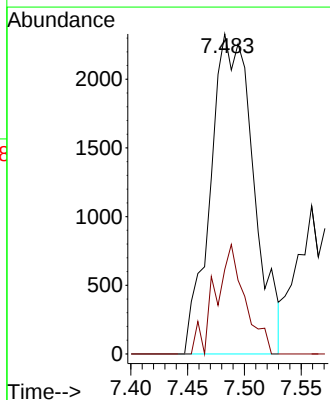
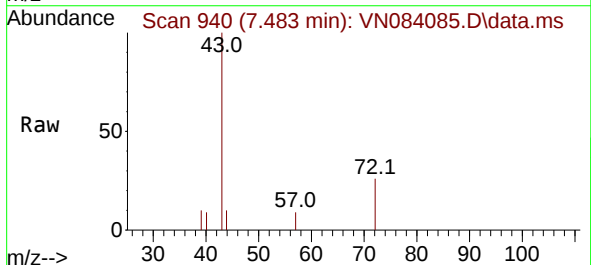


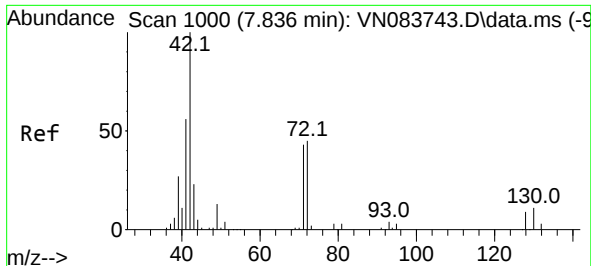
Tgt Ion:	84	Resp:	3932
Ion	Ratio	Lower	Upper
84	100		
49	108.3	93.4	140.0
51	34.5	29.2	43.8
86	76.8	46.9	70.3



#25
2-Butanone
Concen: 4.915 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion:	43	Resp:	6169
Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.8	31.2





#29

Tetrahydrofuran

Concen: 0.705 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

WC-22A

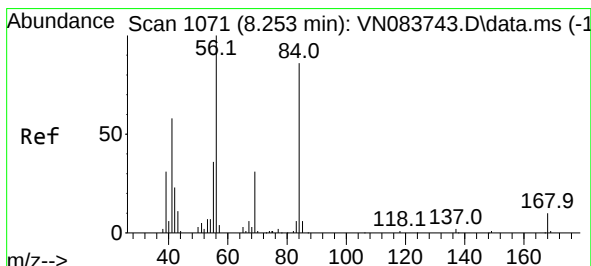
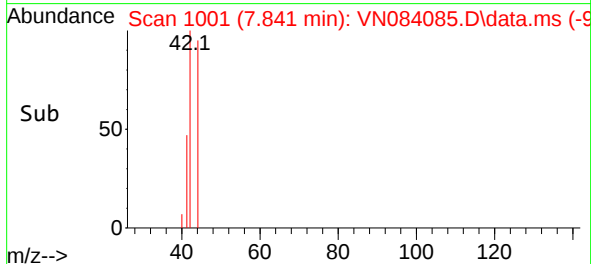
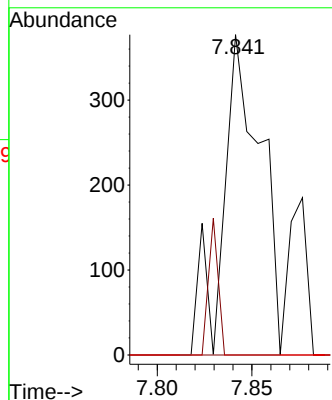
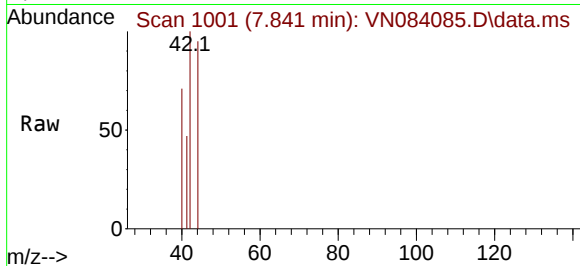
Tgt Ion: 42 Resp: 523

Ion Ratio Lower Upper

42 100

72 10.9 35.9 53.9#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59 am

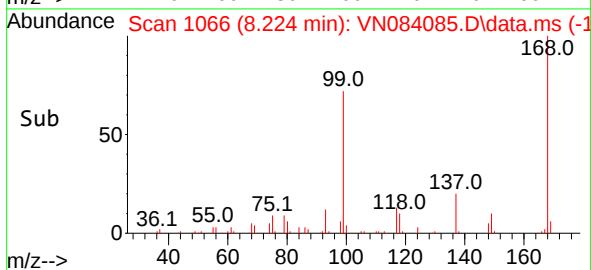
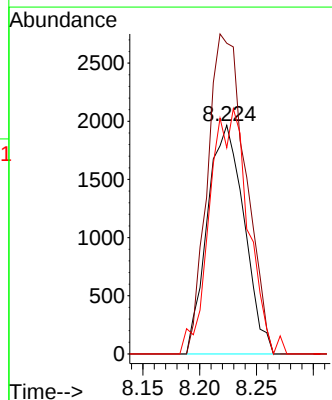
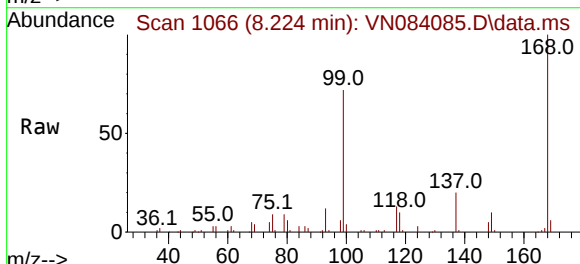
Tgt Ion: 56 Resp: 4425

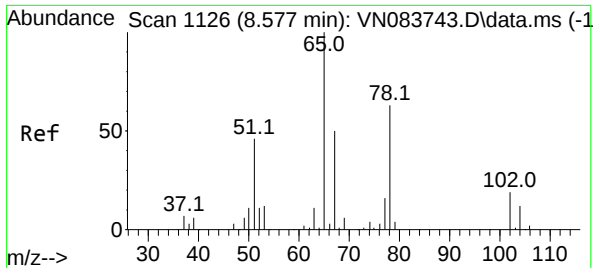
Ion Ratio Lower Upper

56 100

69 135.9 26.9 40.3#

84 90.2 69.2 103.8

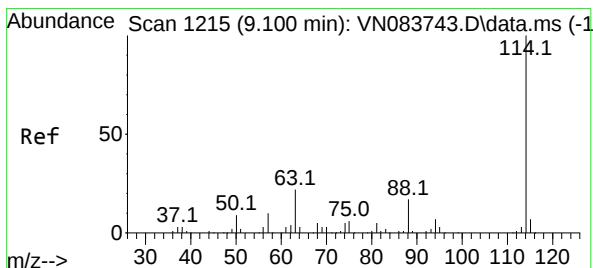
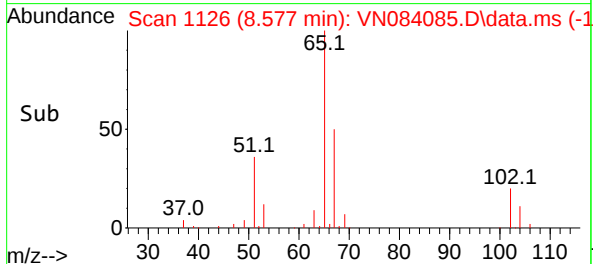
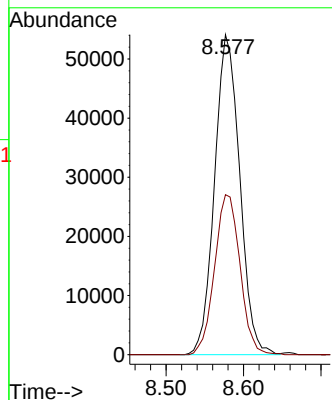
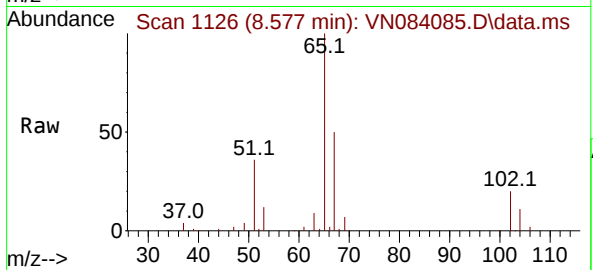




#33
1,2-Dichloroethane-d4
Concen: 51.237 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

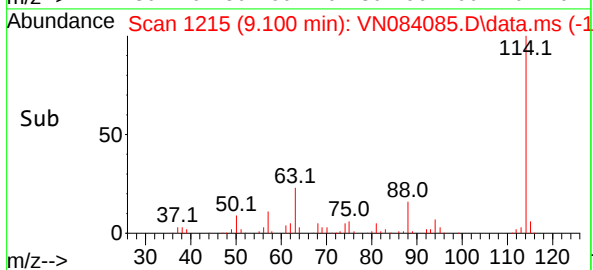
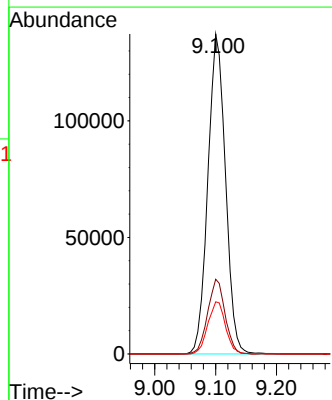
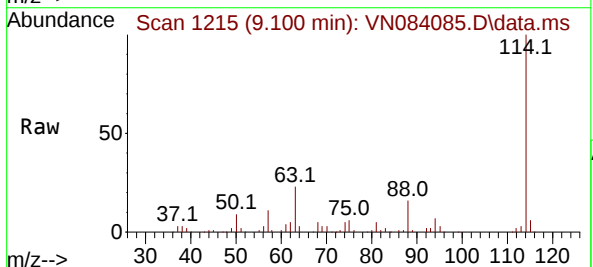
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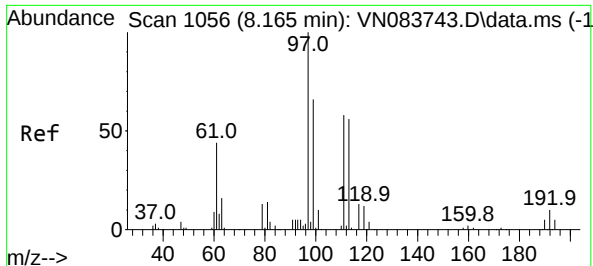
Tgt Ion: 65 Resp: 122054
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 114 Resp: 276231
Ion Ratio Lower Upper
114 100
63 23.4 0.0 43.4
88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.298 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

WC-22A

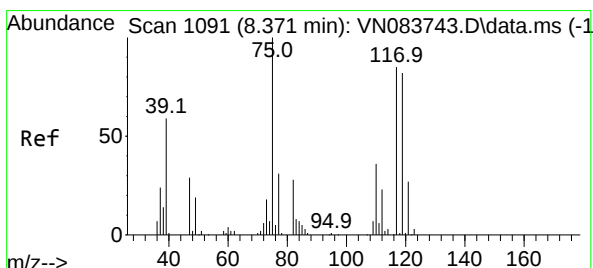
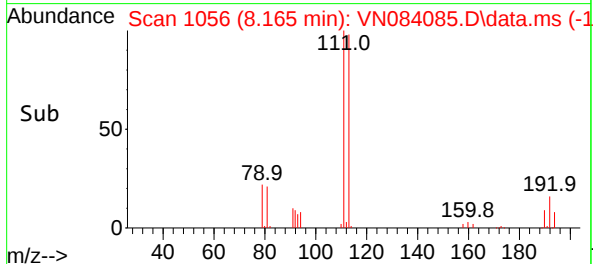
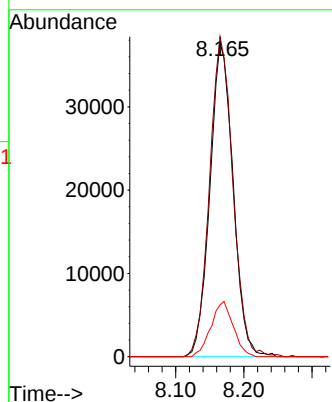
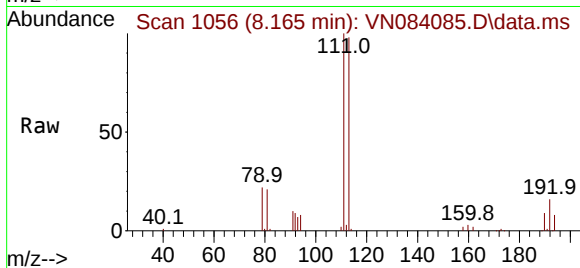
Tgt Ion:113 Resp: 88946

Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 17.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.622 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59 am

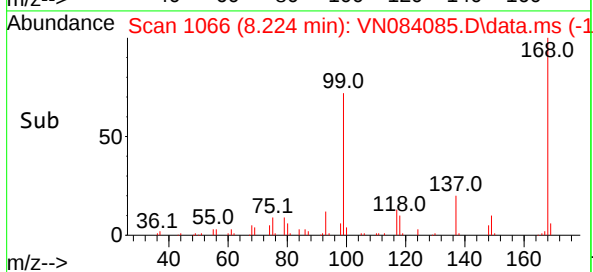
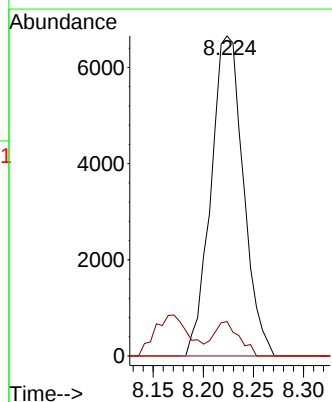
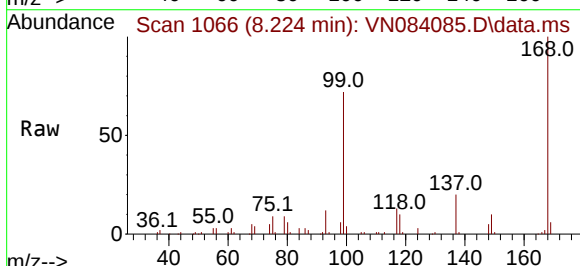
Tgt Ion: 75 Resp: 14964

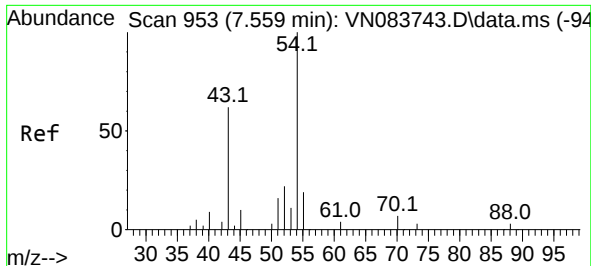
Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.053 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

WC-22A

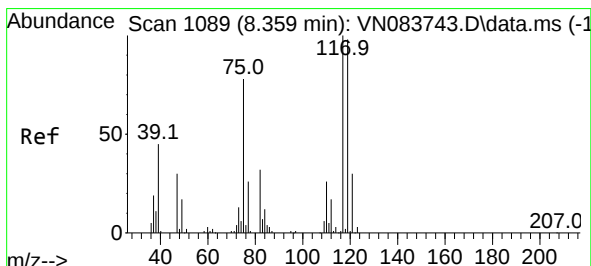
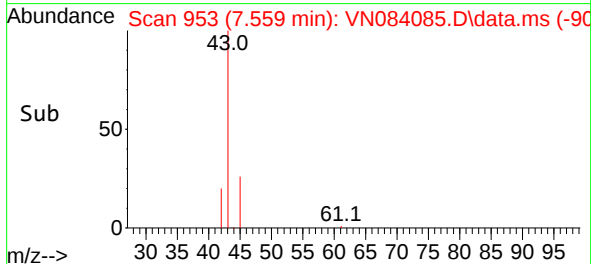
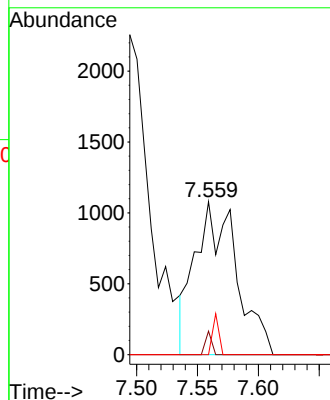
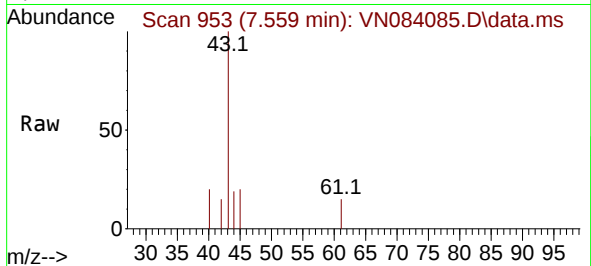
Tgt Ion: 43 Resp: 2544

Ion Ratio Lower Upper

43 100

61 2.3 11.1 16.7#

70 4.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.887 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59 am

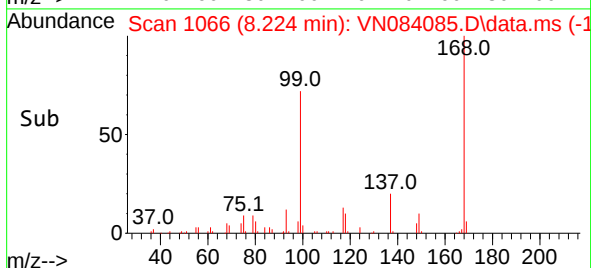
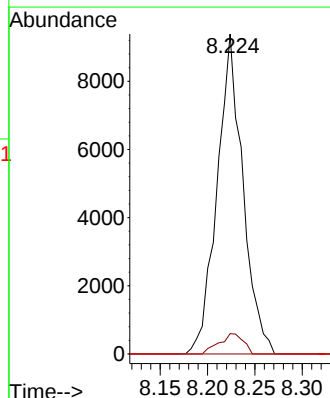
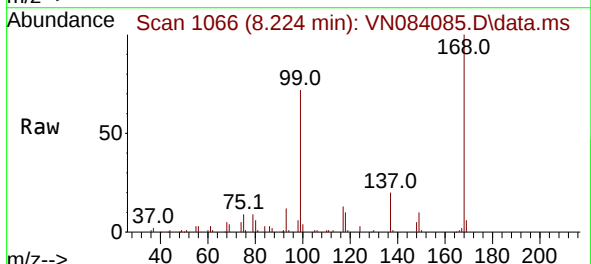
Tgt Ion: 117 Resp: 17776

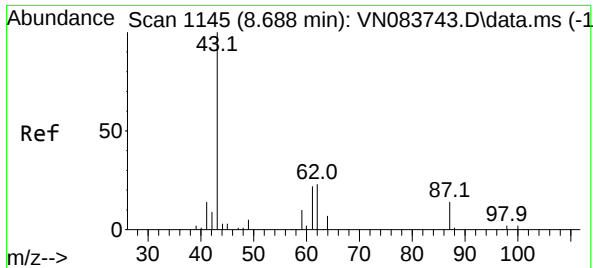
Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 28.325 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

WC-22A

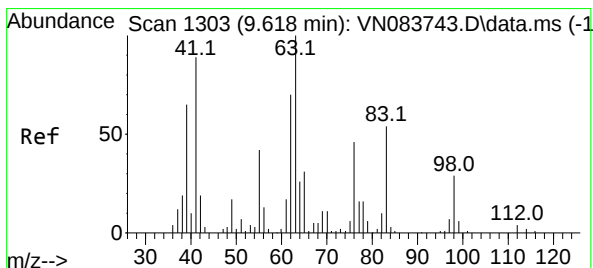
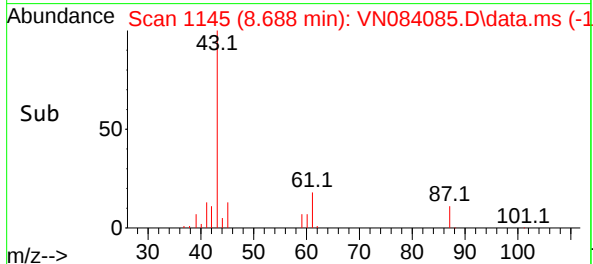
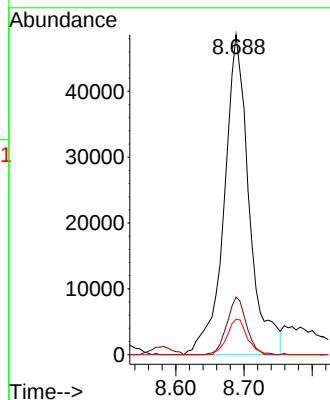
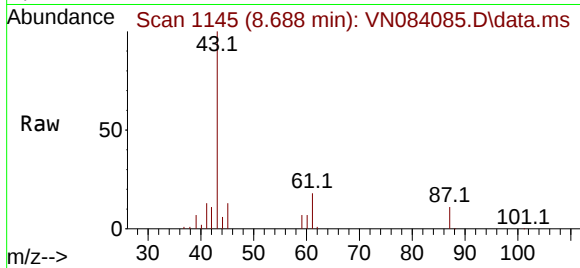
Tgt Ion: 43 Resp: 124010

Ion Ratio Lower Upper

43 100

61 14.1 19.4 29.0#

87 8.8 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 0.295 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN084085.D

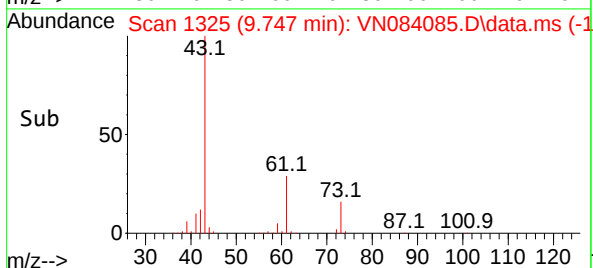
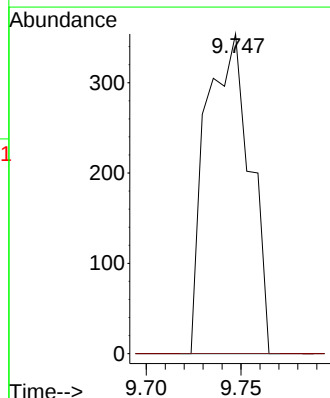
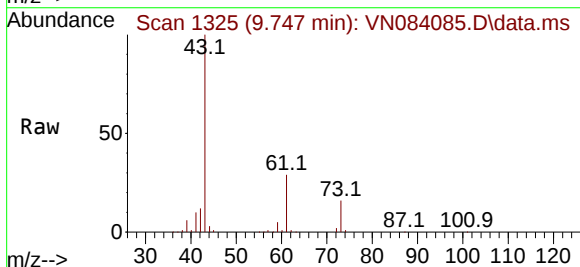
Acq: 21 Sep 2024 02:59 am

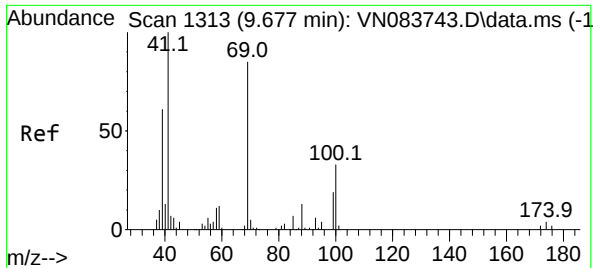
Tgt Ion: 63 Resp: 572

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#

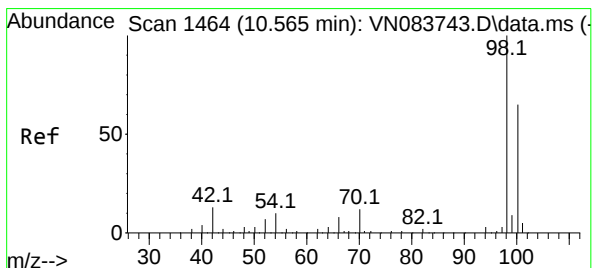
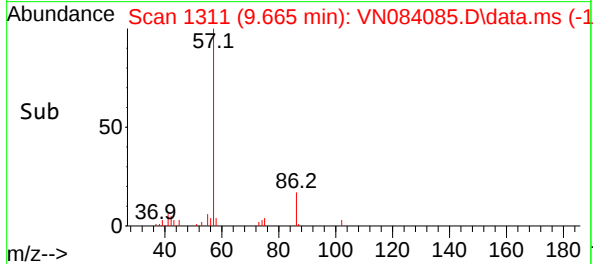
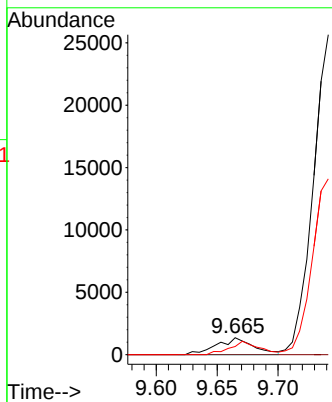
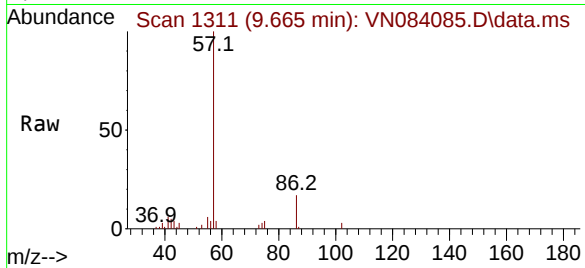




#48
Methyl methacrylate
Concen: 1.368 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

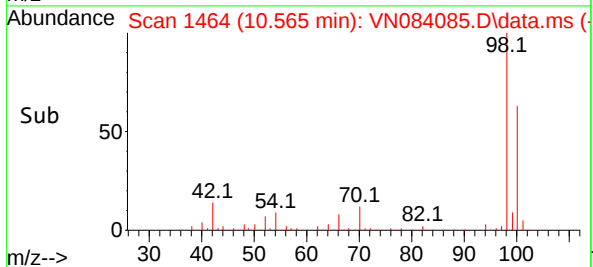
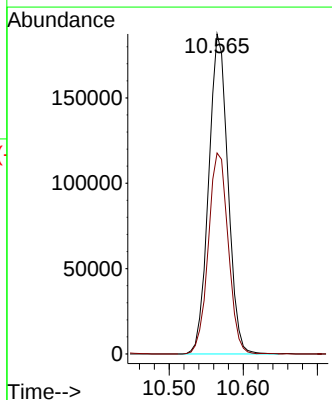
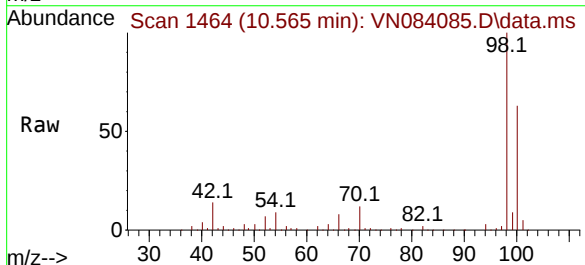
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

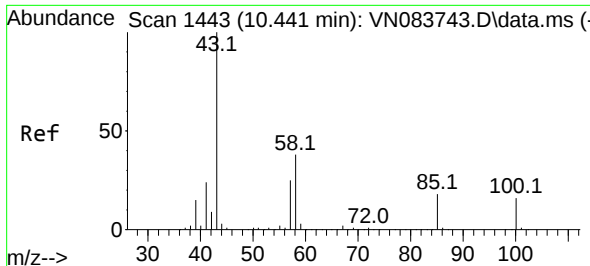
Tgt Ion: 41 Resp: 2842
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 63.2 48.9 73.3



#50
Toluene-d8
Concen: 55.300 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 98 Resp: 338075
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

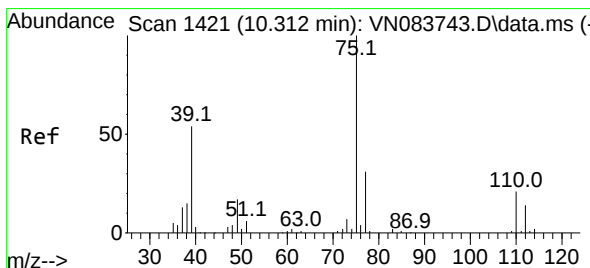
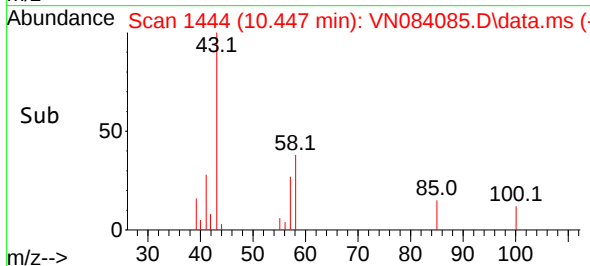
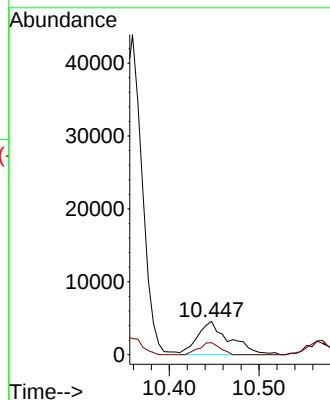
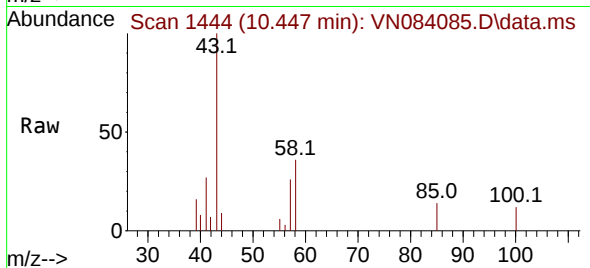




#51
4-Methyl-2-Pentanone
Concen: 4.728 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

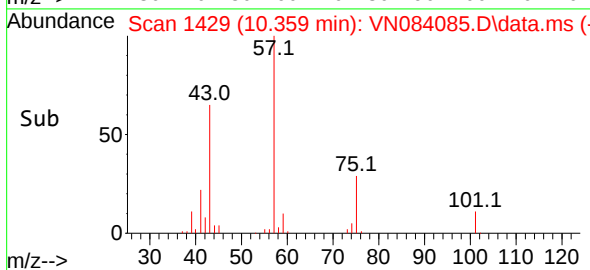
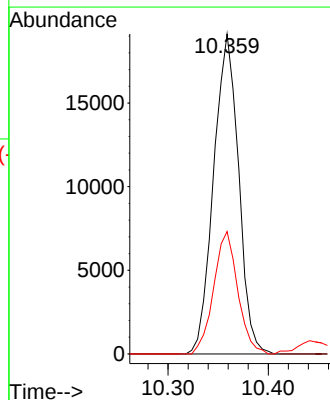
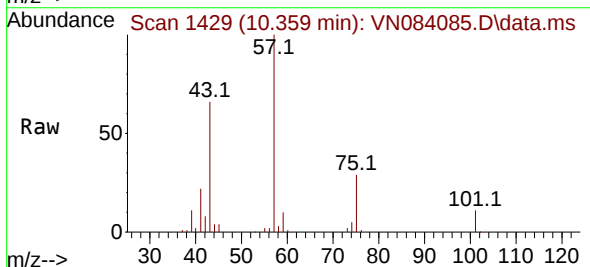
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

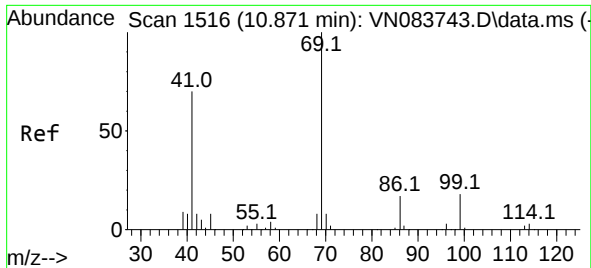
Tgt Ion: 43 Resp: 11269
Ion Ratio Lower Upper
43 100
58 23.8 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 10.548 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 75 Resp: 32965
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 38.2 42.6 64.0#

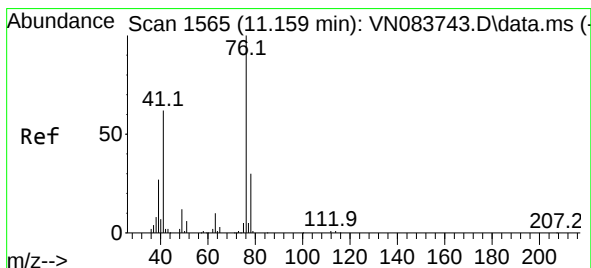
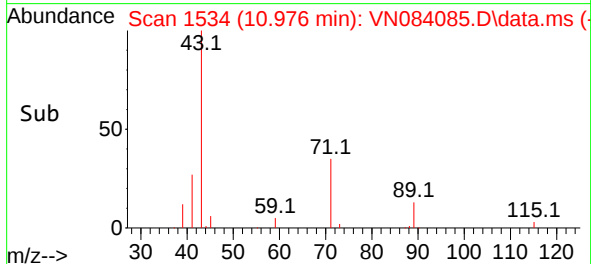
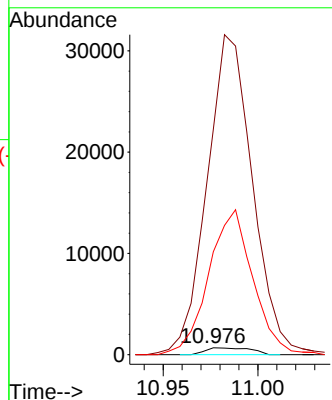
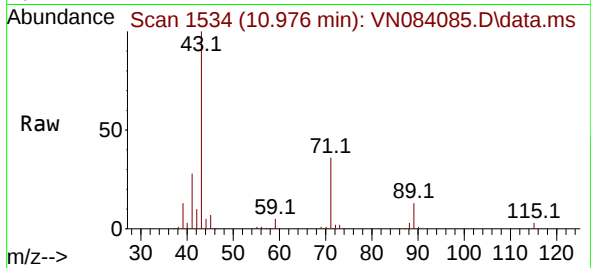




#56
Ethyl methacrylate
Concen: 0.400 ug/l
RT: 10.976 min Scan# 1126
Delta R.T. 0.106 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

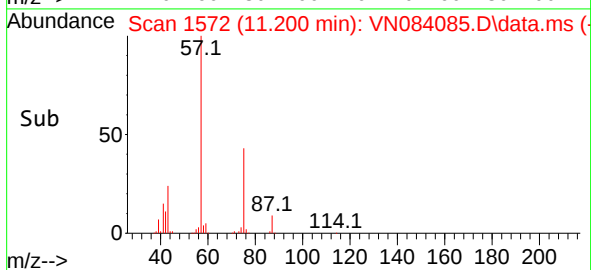
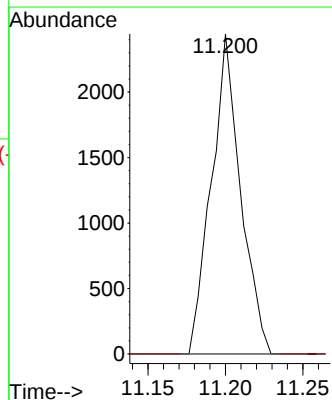
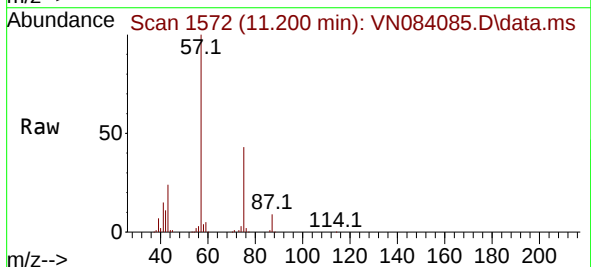
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

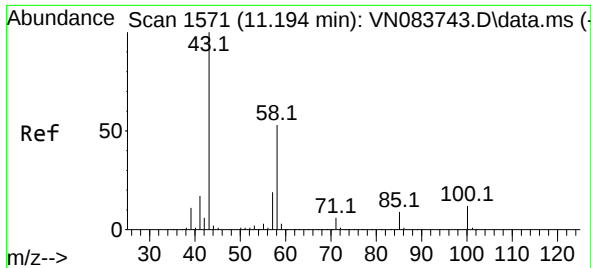
Tgt Ion: 69 Resp: 1126
Ion Ratio Lower Upper
69 100
41 4705.3 53.9 80.9#
39 2067.2 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.017 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 76 Resp: 3199
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

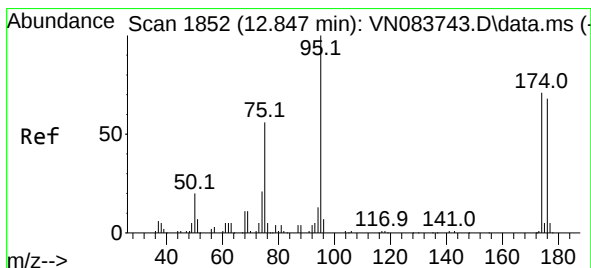
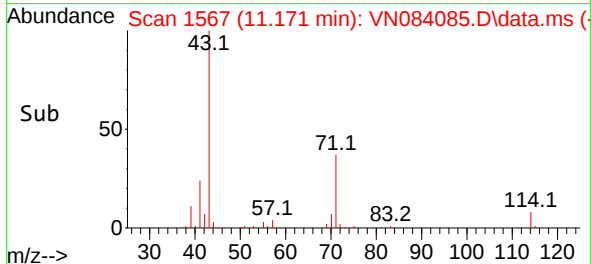
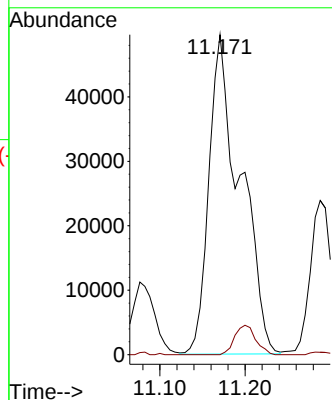
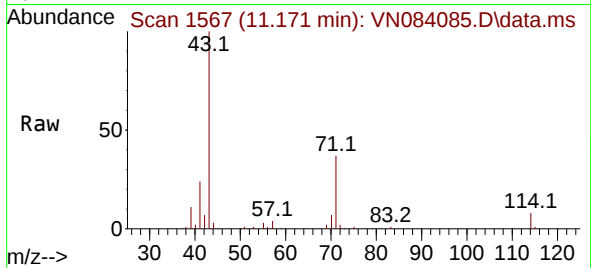




#59
2-Hexanone
Concen: 71.953 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

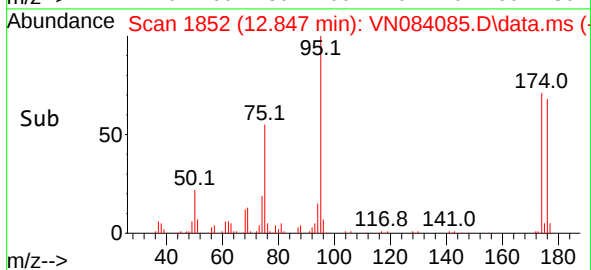
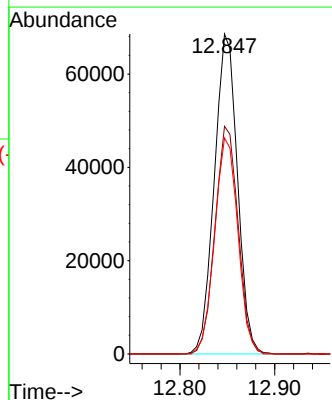
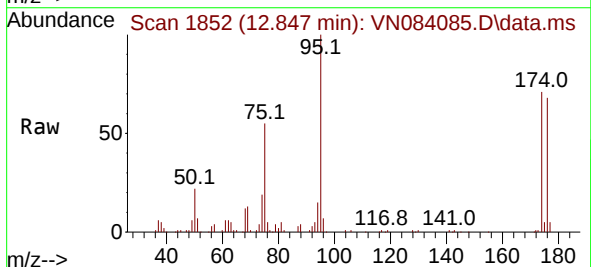
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

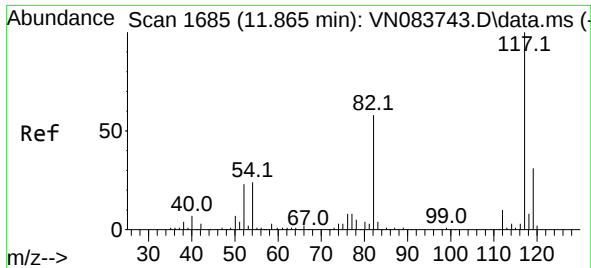
Tgt Ion: 43 Resp: 126850
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.162 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 95 Resp: 116432
Ion Ratio Lower Upper
95 100
174 71.5 0.0 139.8
176 67.9 0.0 131.4

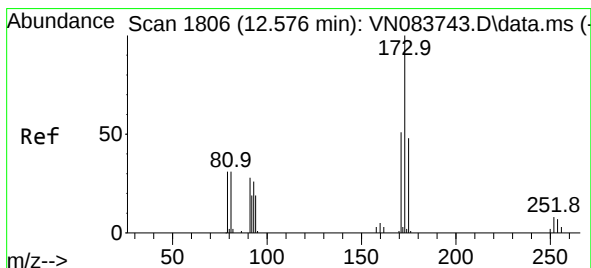
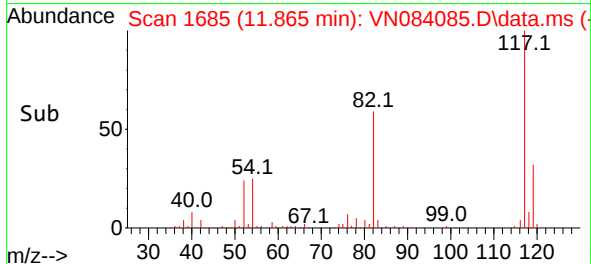
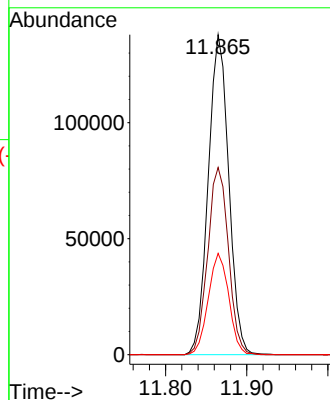
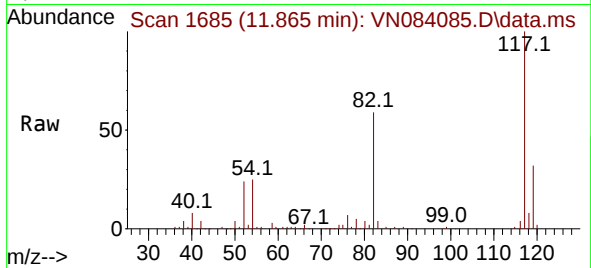




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

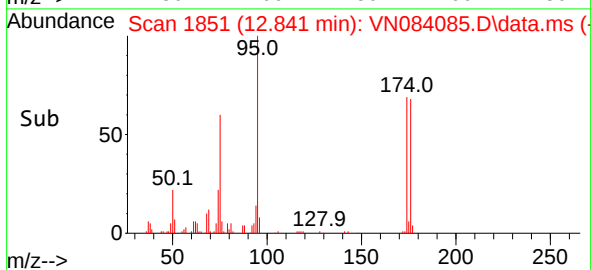
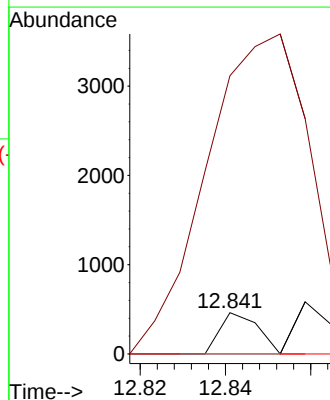
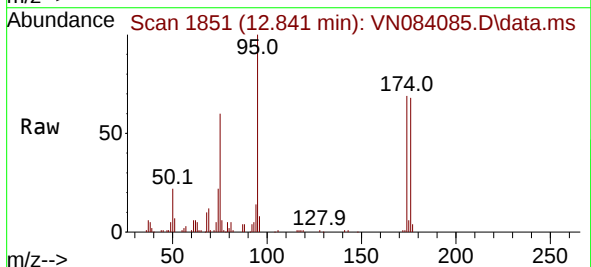
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

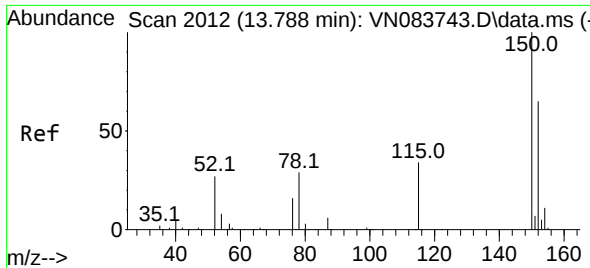
Tgt Ion:117 Resp: 241651
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 31.6 26.3 39.5



#71
Bromoform
Concen: 0.228 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion:173 Resp: 286
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

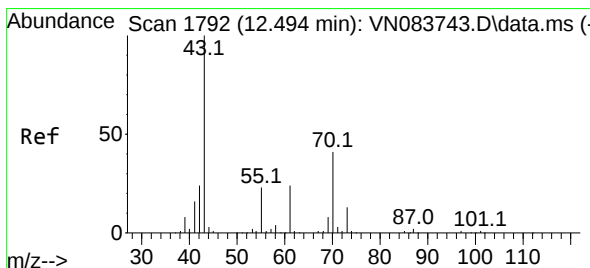
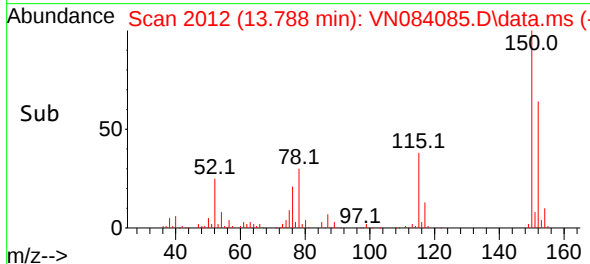
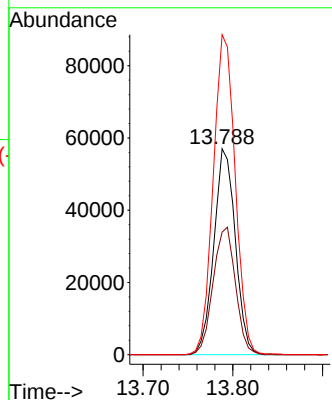
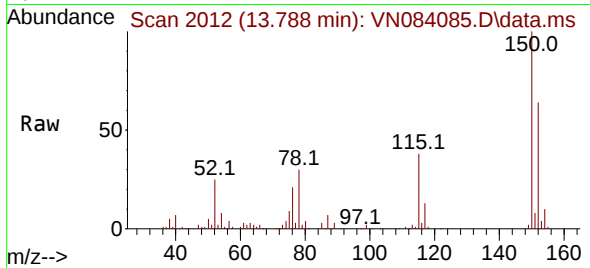




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN084085.D
 Acq: 21 Sep 2024 02:59

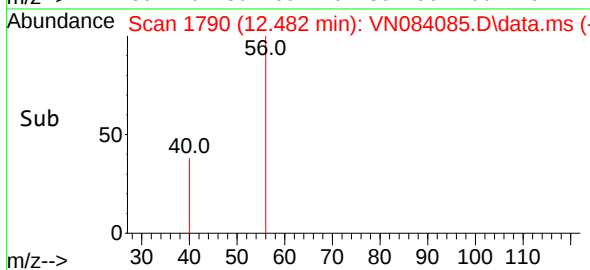
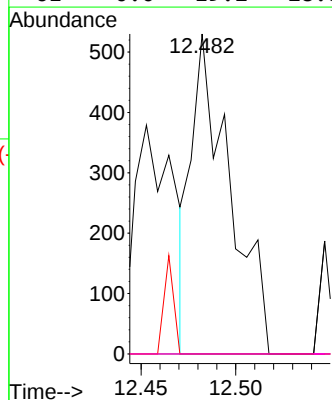
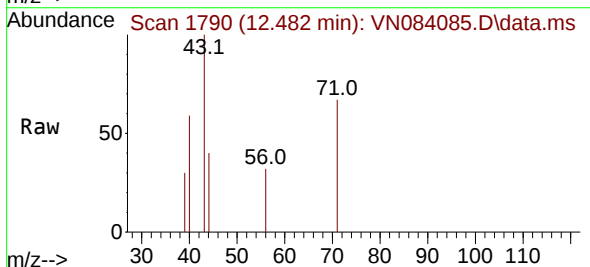
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-22A

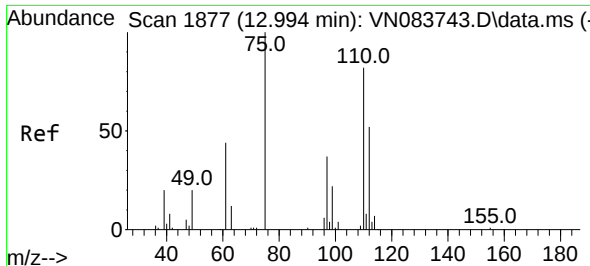
Tgt Ion:152 Resp: 94833
 Ion Ratio Lower Upper
 152 100
 115 64.4 32.2 96.6
 150 159.2 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.236 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN084085.D
 Acq: 21 Sep 2024 02:59 am

Tgt Ion: 43 Resp: 739
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 0.0 18.6 28.0#
 61 0.0 19.2 28.8#

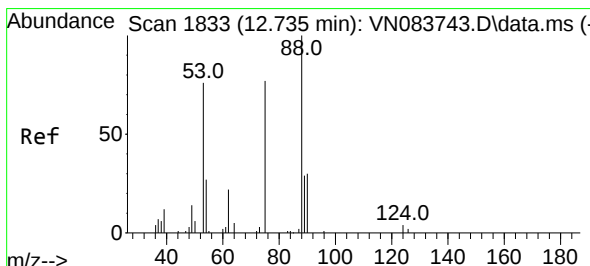
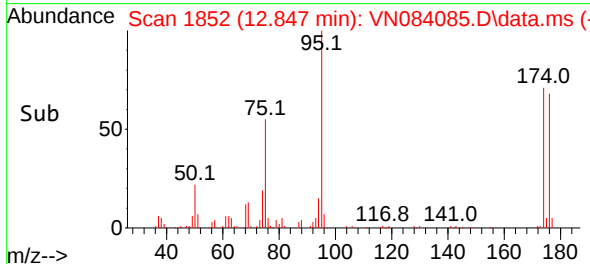
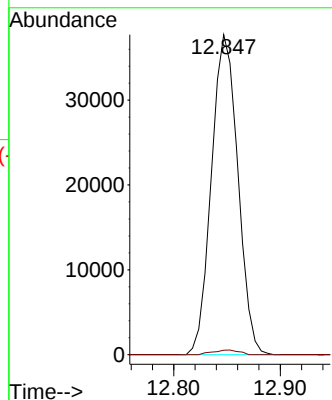
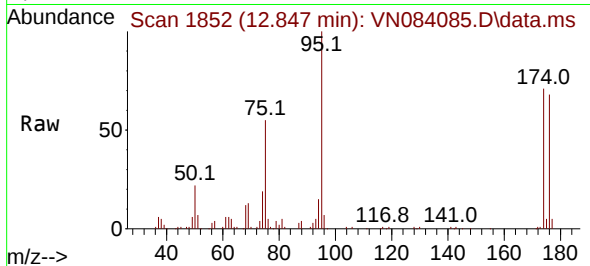




#76
1,2,3-Trichloropropane
Concen: 33.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59

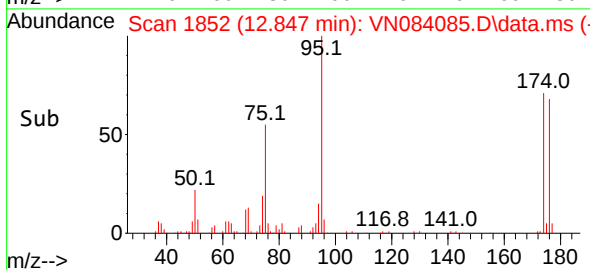
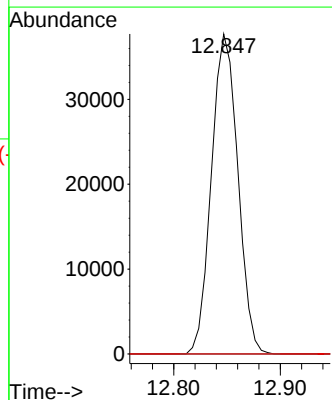
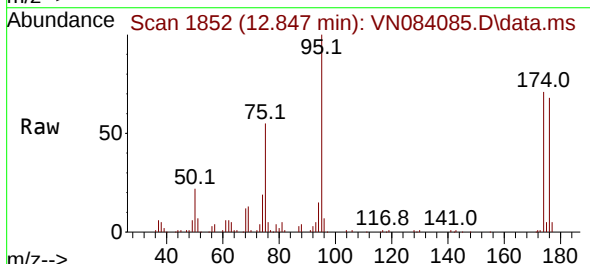
Instrument :
MSVOA_N
ClientSampleId :
WC-22A

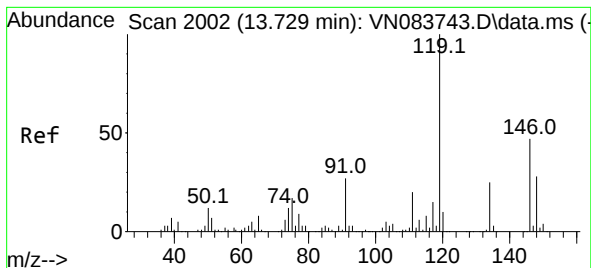
Tgt Ion: 75 Resp: 65006
Ion Ratio Lower Upper
75 100
77 1.4 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084085.D
Acq: 21 Sep 2024 02:59 am

Tgt Ion: 75 Resp: 65006
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#86

p-Isopropyltoluene

Concen: 0.211 ug/l

RT: 13.888 min Scan# 2002

Delta R.T. 0.159 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59

Instrument :

MSVOA_N

ClientSampleId :

WC-22A

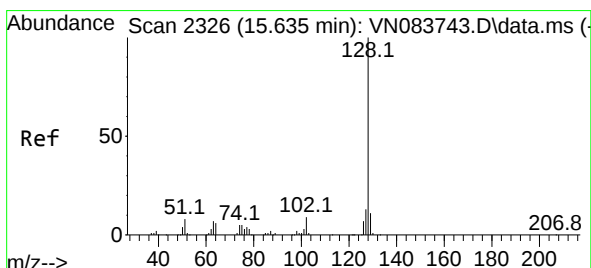
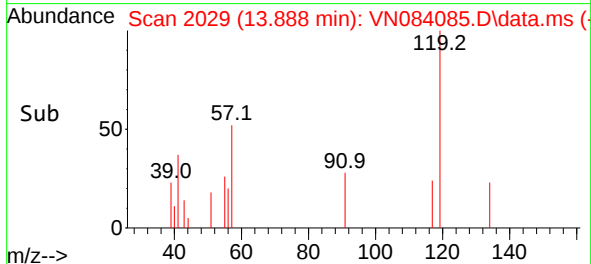
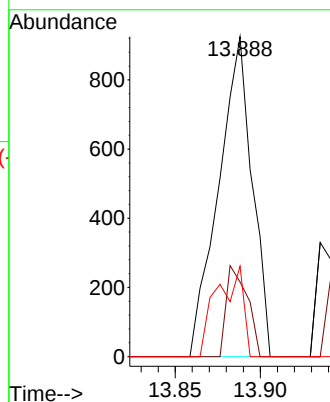
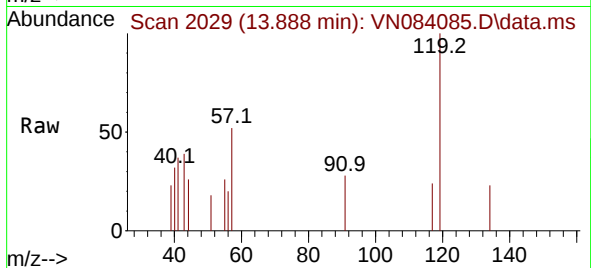
Tgt Ion:119 Resp: 1269

Ion Ratio Lower Upper

119 100

134 17.7 12.8 38.3

91 22.2 12.9 38.7



#95

Naphthalene

Concen: 0.288 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084085.D

Acq: 21 Sep 2024 02:59 am

Tgt Ion:128 Resp: 1514

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 8.4 8.7 13.1#

