

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085714.D
 Acq On : 07 Feb 2025 22:18
 Operator : JC\MD
 Sample : Q1309-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-8

Quant Time: Feb 08 00:44:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

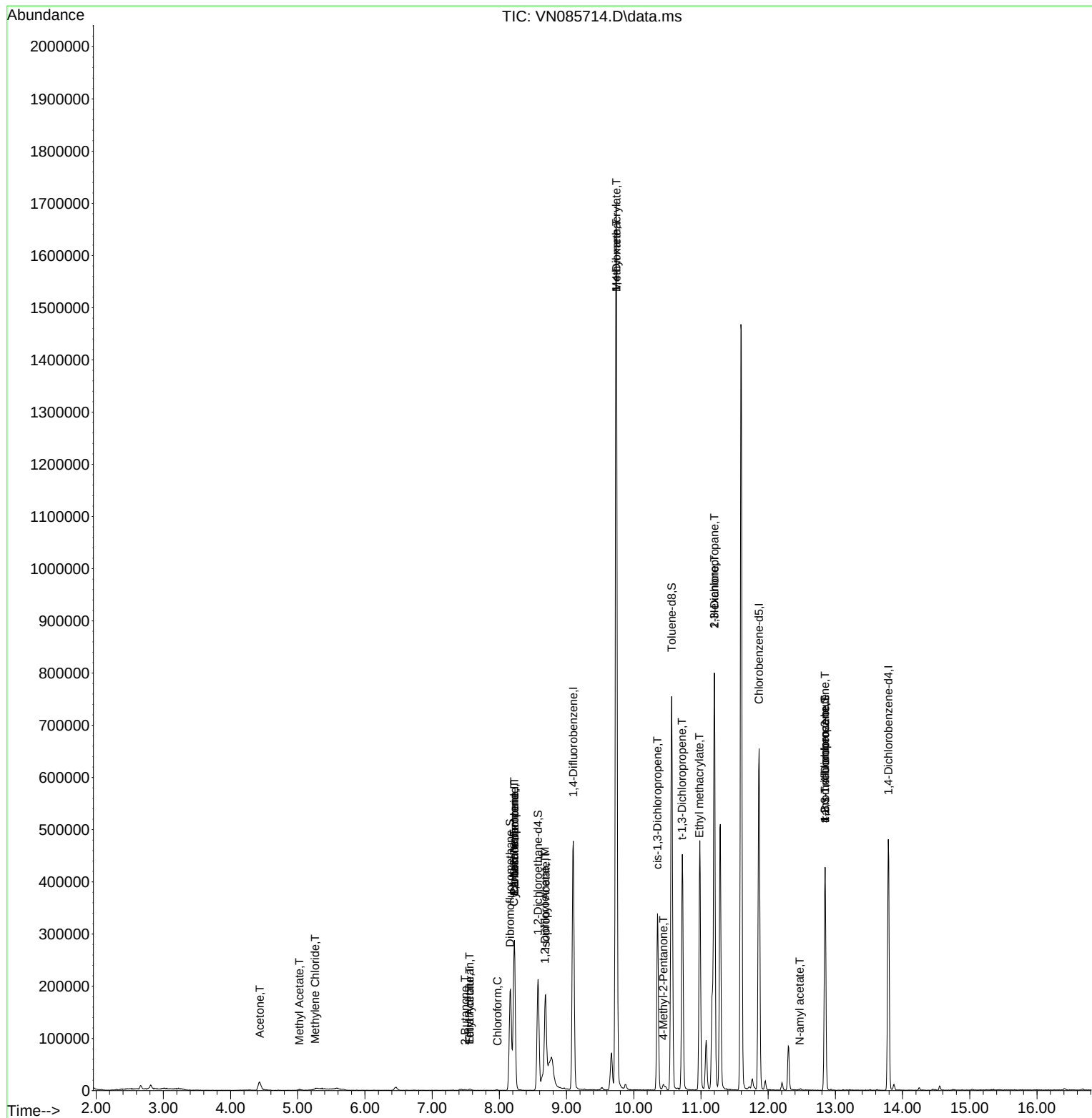
Internal Standards						
1) Pentafluorobenzene	8.224	168	193637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	407887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174766	55.913	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.820%			
35) Dibromofluoromethane	8.159	113	140714	49.727	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.460%			
50) Toluene-d8	10.565	98	525258	52.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.480%			
62) 4-Bromofluorobenzene	12.847	95	143734	41.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.580%			
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	30765	30.462	ug/l	98
18) Methyl Acetate	5.024	43	4019	1.309	ug/l #	76
20) Methylene Chloride	5.259	84	1041	0.416	ug/l #	72
25) 2-Butanone	7.489	43	2914	1.961	ug/l #	82
29) Tetrahydrofuran	7.559	42	233	0.247	ug/l #	34
30) Chloroform	7.971	83	1151	0.244	ug/l #	80
31) Cyclohexane	8.218	56	4745	1.196	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	18040	4.542	ug/l #	50
37) Ethyl Acetate	7.559	43	4354	1.086	ug/l #	82
38) Carbon Tetrachloride	8.224	117	21389	4.704	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1175	0.261	ug/l #	76
43) Isopropyl Acetate	8.688	43	229377	35.711	ug/l #	84
48) Methyl methacrylate	9.741	41	160675	55.585	ug/l #	45
49) 1,4-Dioxane	9.741	88	206	4.232	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6153	1.651	ug/l	94
53) t-1,3-Dichloropropene	10.718	75	1121	0.265	ug/l #	86
54) cis-1,3-Dichloropropene	10.353	75	58409	12.914	ug/l #	65
56) Ethyl methacrylate	10.977	69	3030	2.563	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8338	1.752	ug/l #	43
59) 2-Hexanone	11.200	43	90575	34.536	ug/l #	61
74) N-amyl acetate	12.471	43	1185	0.303	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	77680	29.620	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77680	80.140	ug/l #	3

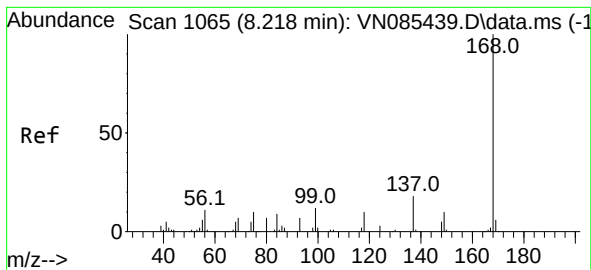
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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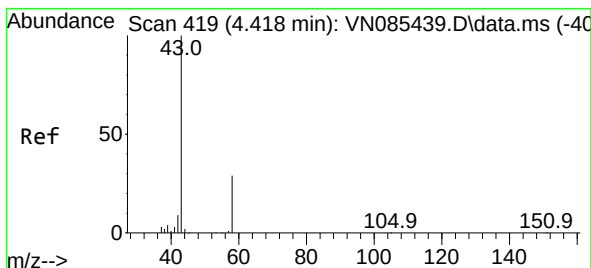
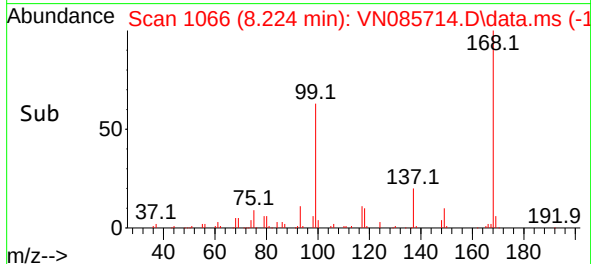
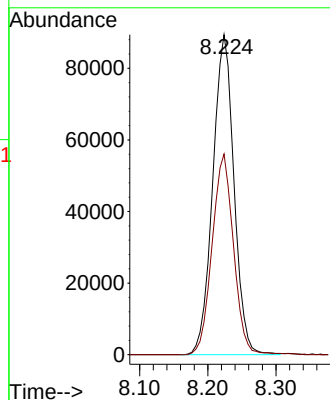
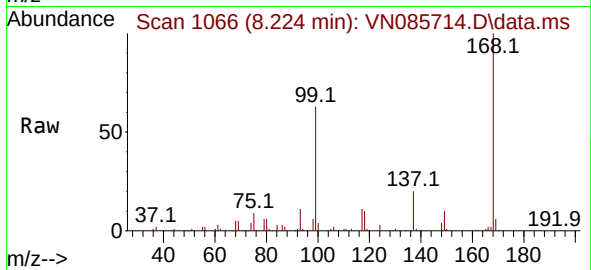




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

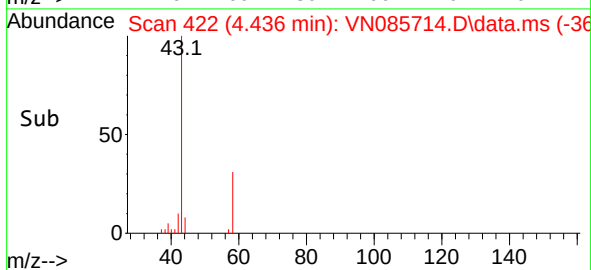
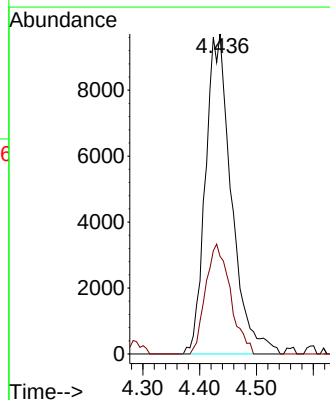
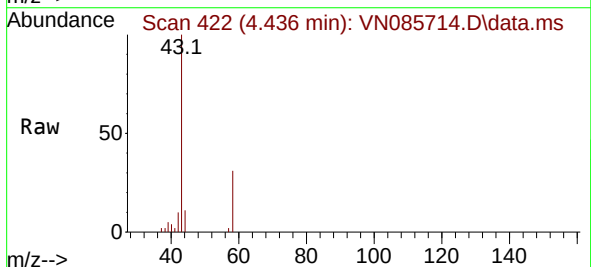
Instrument :
MSVOA_N
ClientSampleId :
WC-8

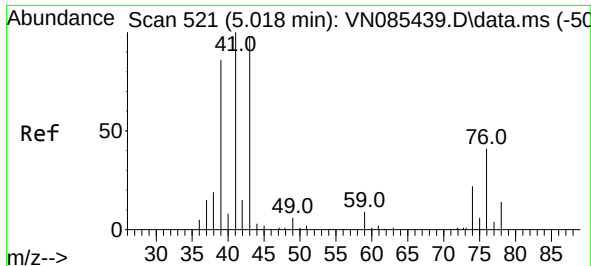
Tgt Ion:168 Resp: 193637
Ion Ratio Lower Upper
168 100
99 62.7 53.6 80.4



#16
Acetone
Concen: 30.462 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 43 Resp: 30765
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.6

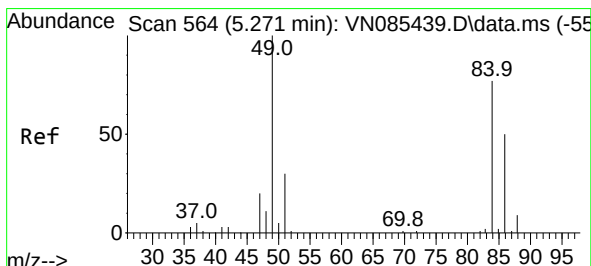
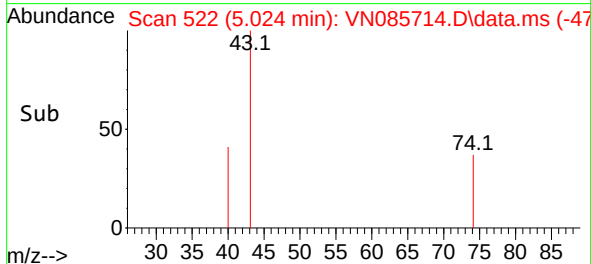
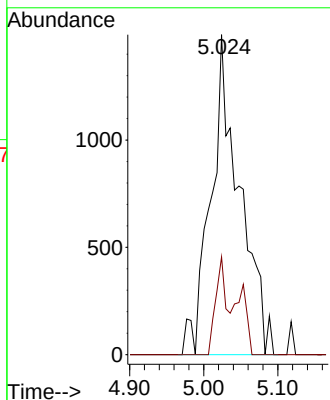
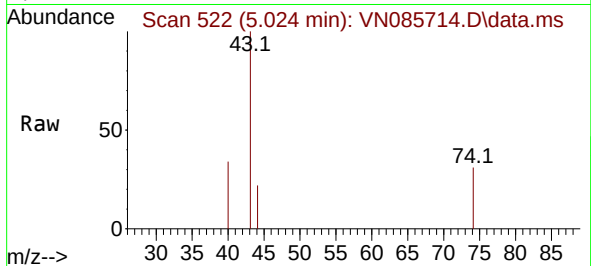




#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

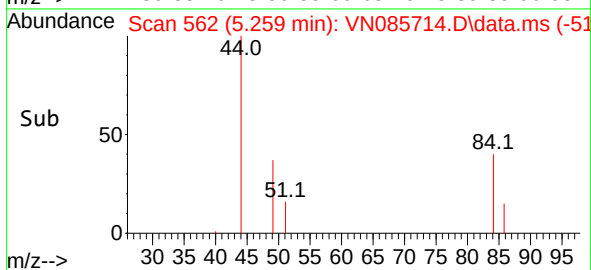
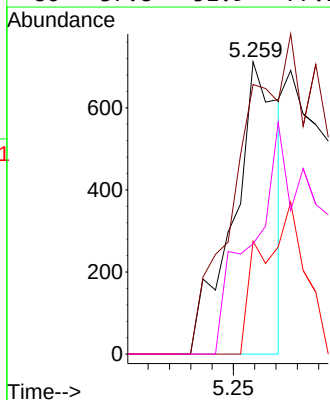
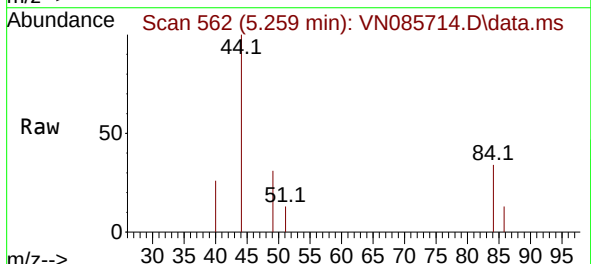
Instrument :
MSVOA_N
ClientSampleId :
WC-8

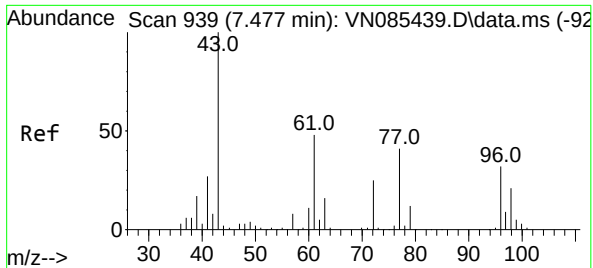
Tgt Ion: 43 Resp: 4019
Ion Ratio Lower Upper
43 100
74 11.7 18.6 28.0#



#20
Methylene Chloride
Concen: 0.416 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 84 Resp: 1041
Ion Ratio Lower Upper
84 100
49 92.3 104.1 156.1#
51 38.6 31.0 46.4
86 37.8 51.9 77.9#

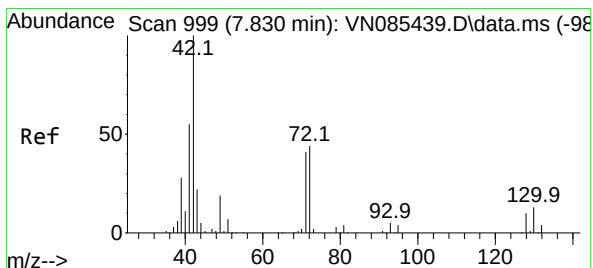
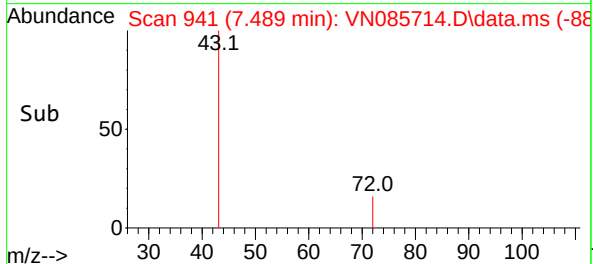
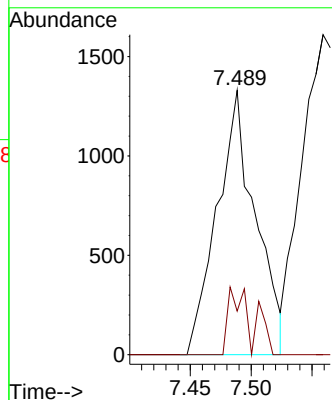
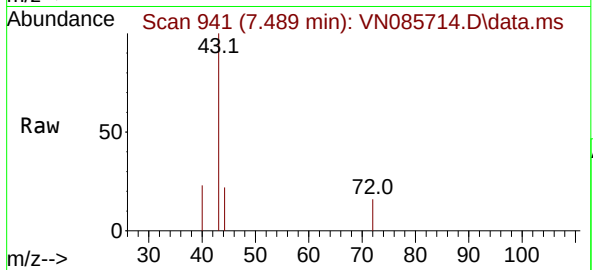




#25
2-Butanone
Concen: 1.961 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

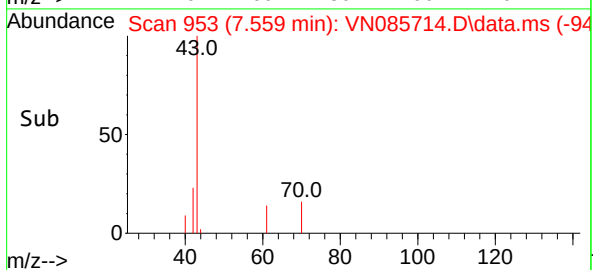
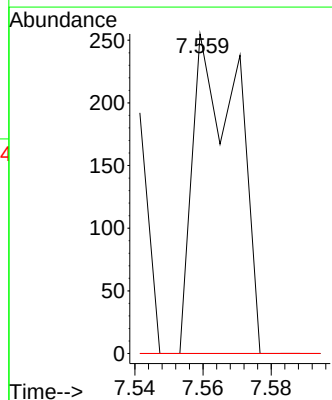
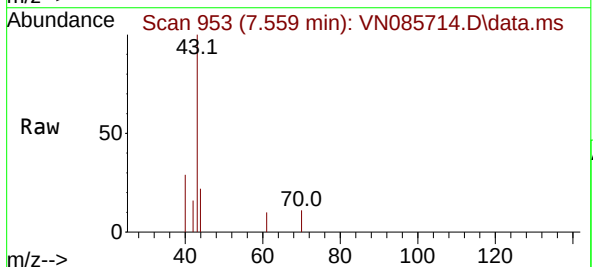
Instrument :
MSVOA_N
ClientSampleId :
WC-8

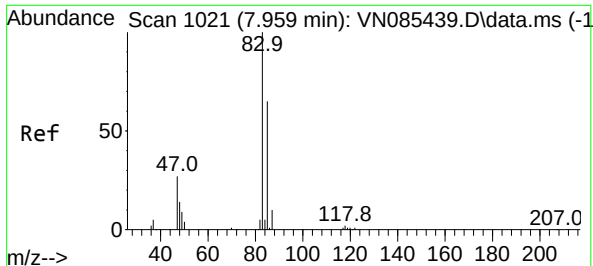
Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
72 16.5 20.2 30.4#



#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.271 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 42 Resp: 233
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#





#30

Chloroform

Concen: 0.244 ug/l

RT: 7.971 min Scan# 1065

Delta R.T. 0.012 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

Instrument :

MSVOA_N

ClientSampleId :

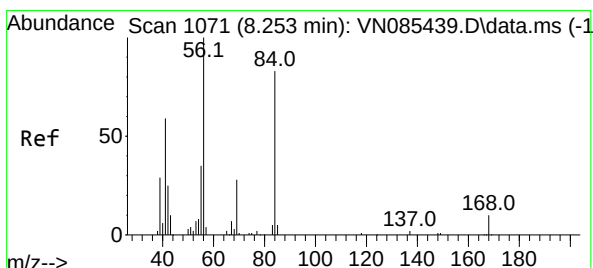
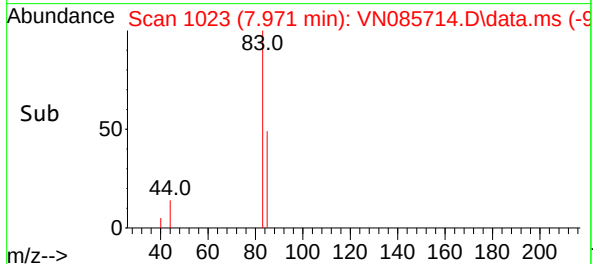
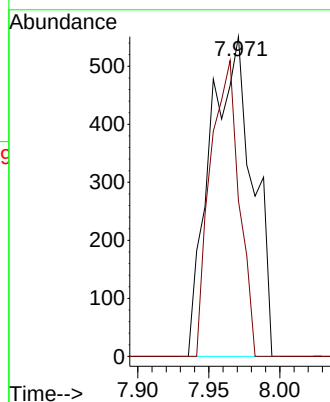
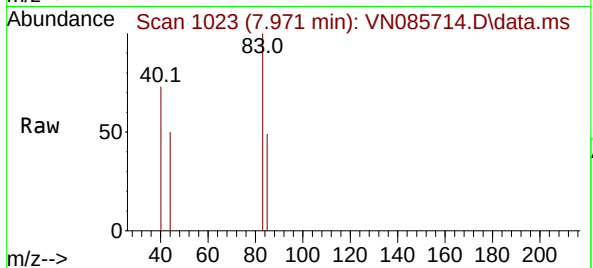
WC-8

Tgt Ion: 83 Resp: 1151

Ion Ratio Lower Upper

83 100

85 48.6 51.8 77.6#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

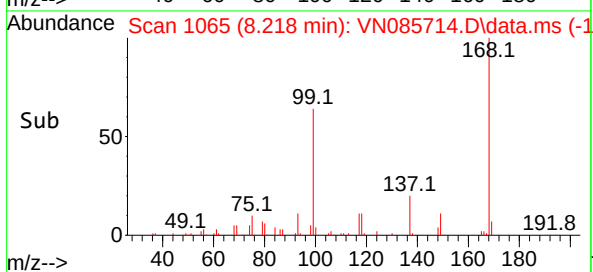
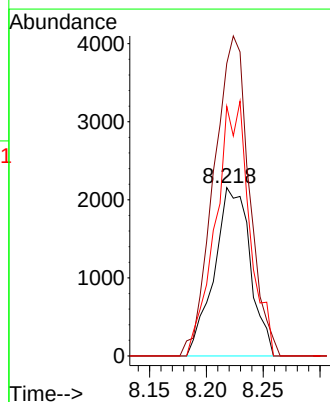
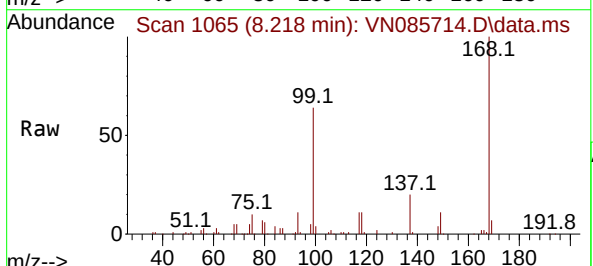
Tgt Ion: 56 Resp: 4745

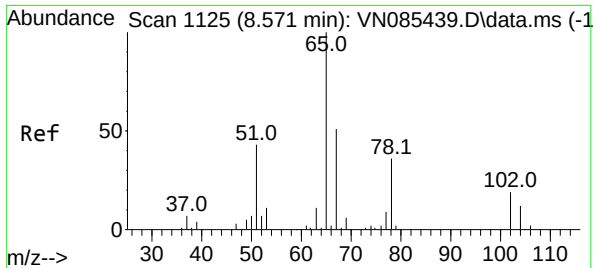
Ion Ratio Lower Upper

56 100

69 173.7 22.2 33.4#

84 148.3 66.4 99.6#

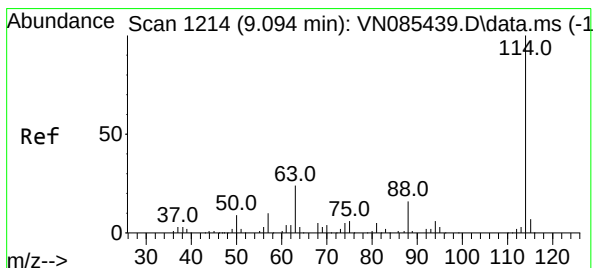
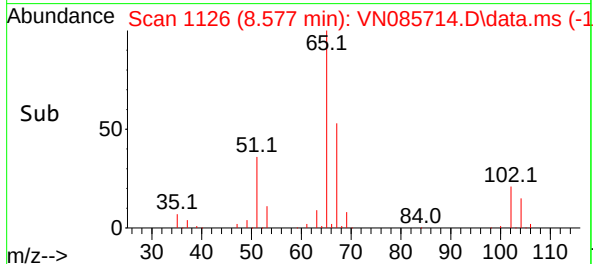
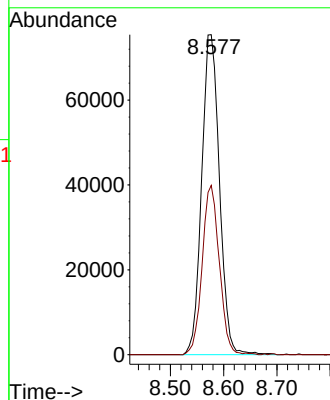
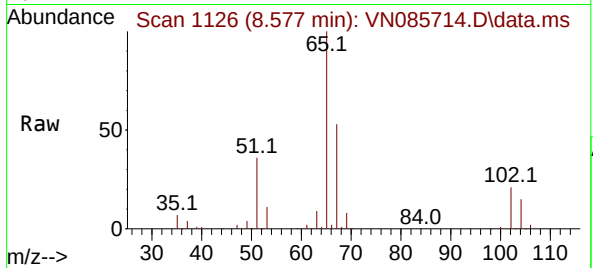




#33
 1,2-Dichloroethane-d4
 Concen: 55.913 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085714.D
 Acq: 07 Feb 2025 22:18

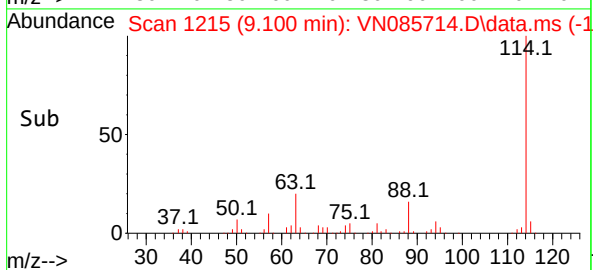
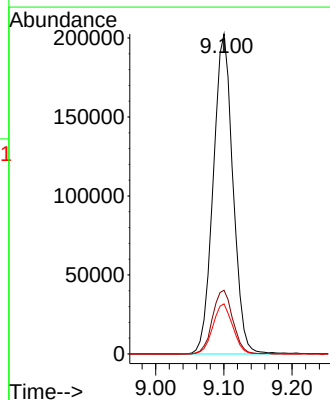
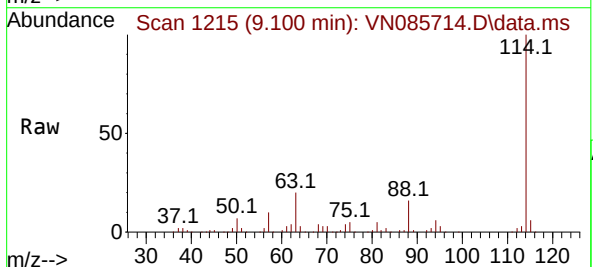
Instrument :
 MSVOA_N
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 WC-8

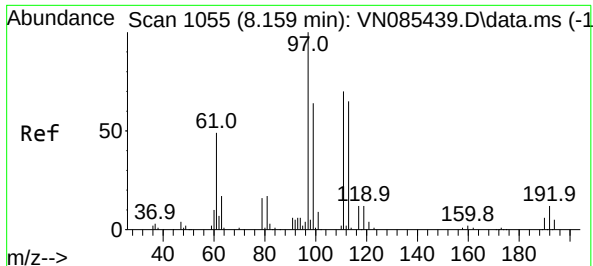
Tgt Ion: 65 Resp: 174766
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085714.D
 Acq: 07 Feb 2025 22:18

Tgt Ion: 114 Resp: 407887
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 47.6
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.727 ug/l

RT: 8.159 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

Instrument :

MSVOA_N

ClientSampleId :

WC-8

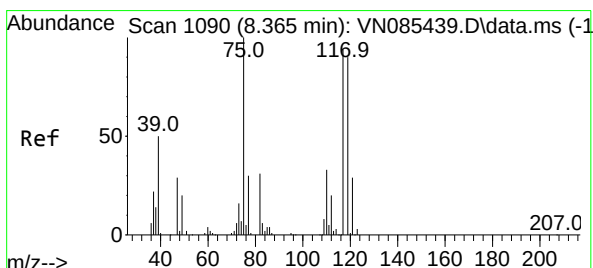
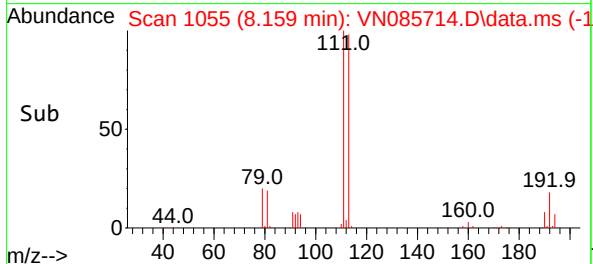
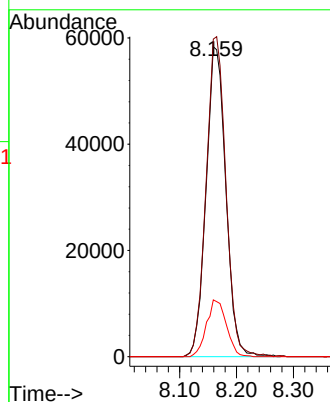
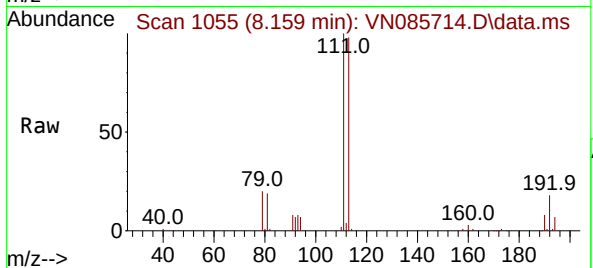
Tgt Ion:113 Resp: 140714

Ion Ratio Lower Upper

113 100

111 103.3 82.7 124.1

192 18.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

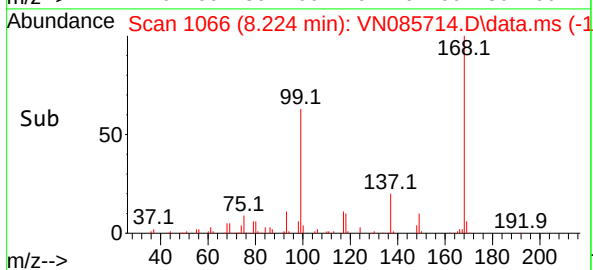
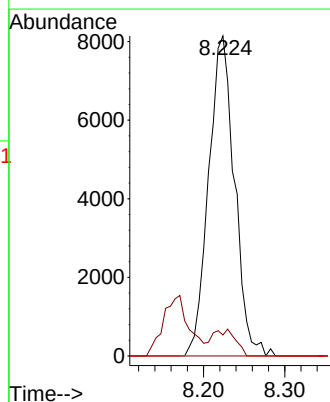
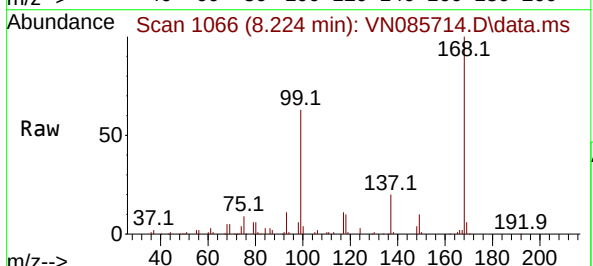
Tgt Ion: 75 Resp: 18040

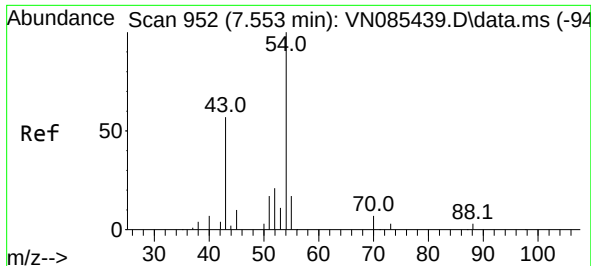
Ion Ratio Lower Upper

75 100

110 7.6 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.086 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

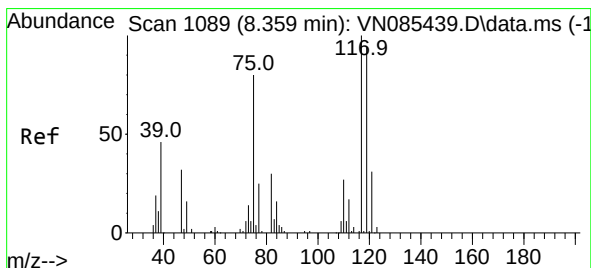
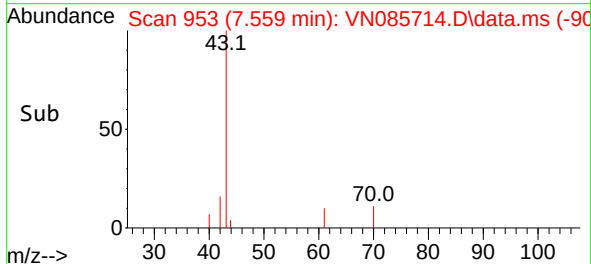
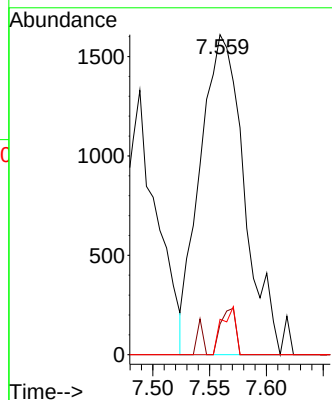
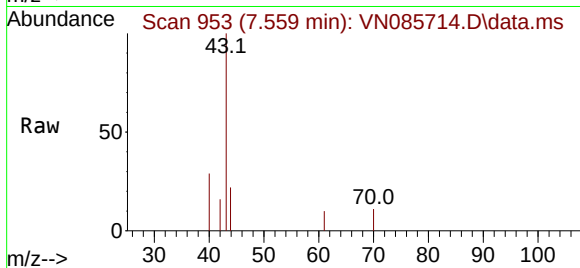
Instrument :

MSVOA_N

ClientSampleId :

WC-8

Tgt Ion: 43	Resp:	4354
Ion	Ratio	Lower Upper
43	100	
61	4.9	10.9 16.3#
70	4.7	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 4.704 ug/l

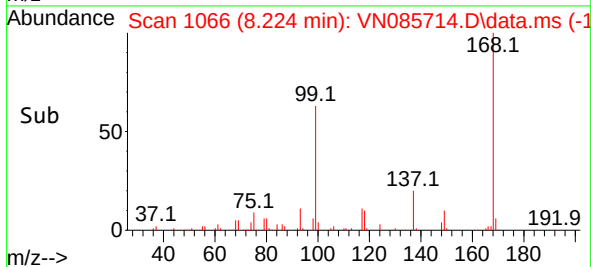
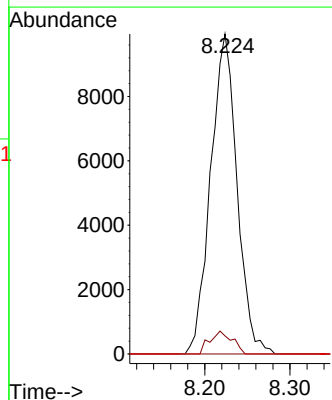
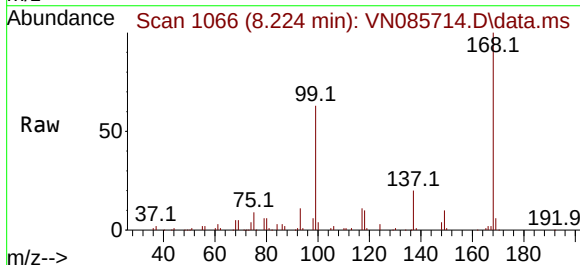
RT: 8.224 min Scan# 1066

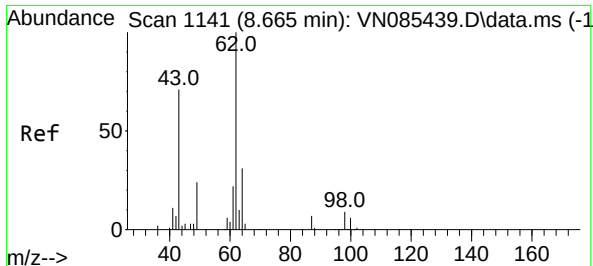
Delta R.T. -0.135 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

Tgt Ion: 117	Resp:	21389
Ion	Ratio	Lower Upper
117	100	
119	5.7	75.4 113.2#
121	0.0	24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

Instrument :

MSVOA_N

ClientSampleId :

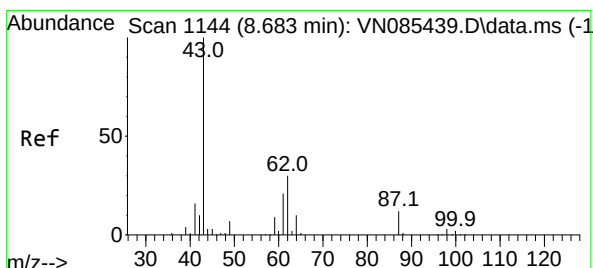
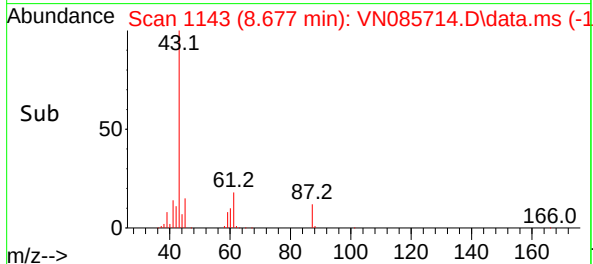
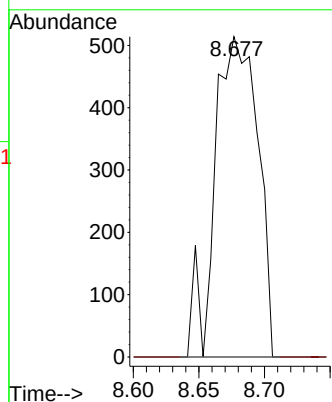
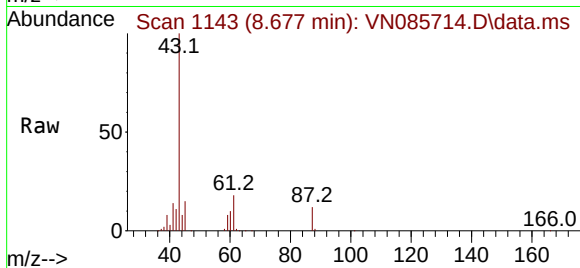
WC-8

Tgt Ion: 62 Resp: 1175

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 35.711 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085714.D

Acq: 07 Feb 2025 22:18

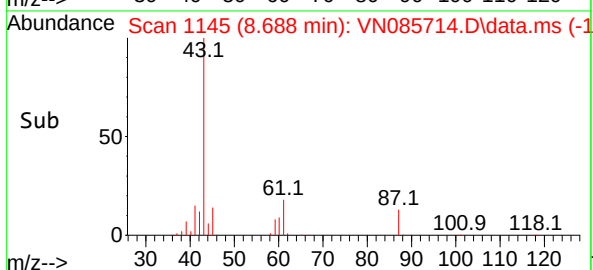
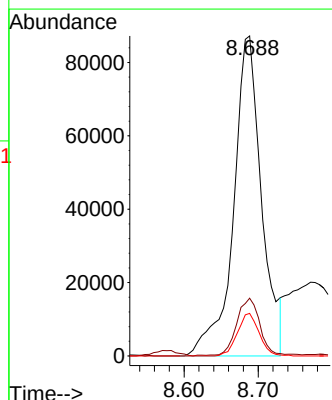
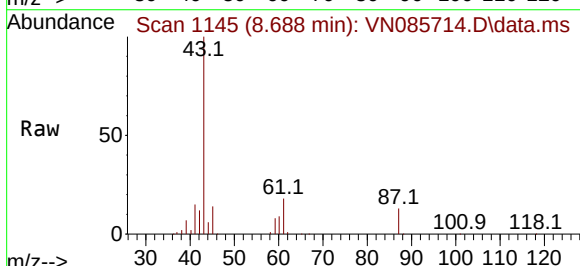
Tgt Ion: 43 Resp: 229377

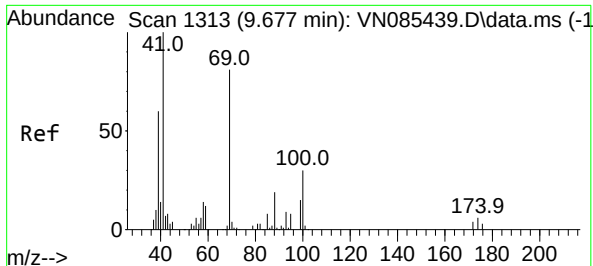
Ion Ratio Lower Upper

43 100

61 15.3 20.7 31.1#

87 10.3 9.8 14.8

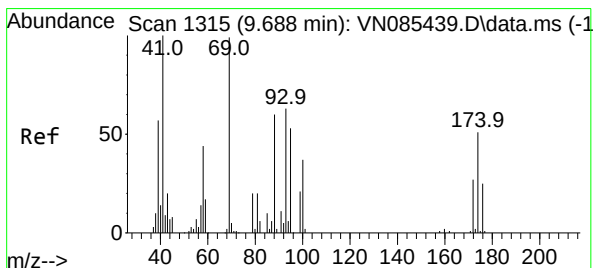
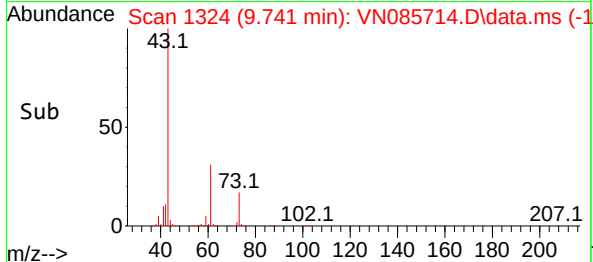
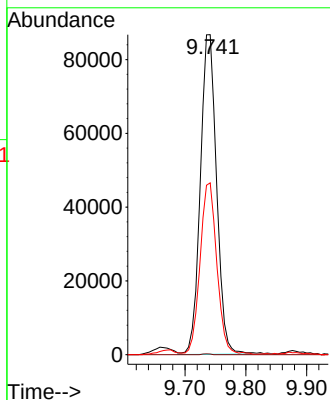
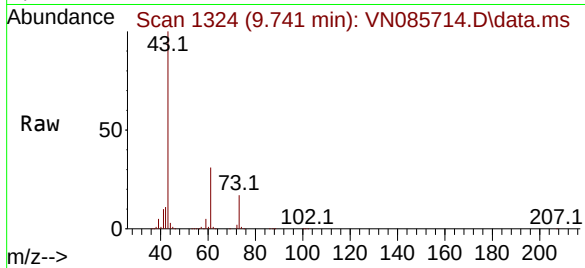




#48
Methyl methacrylate
Concen: 55.585 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.064 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

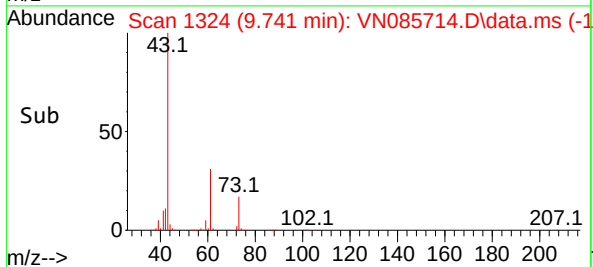
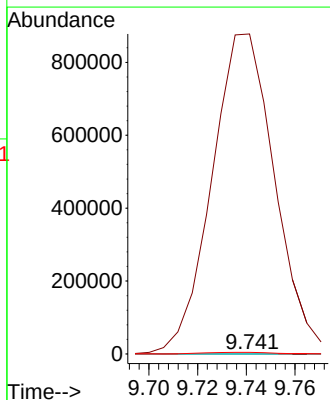
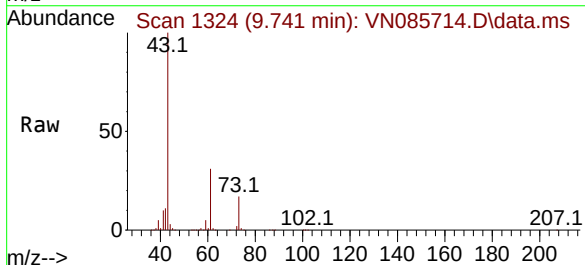
Instrument :
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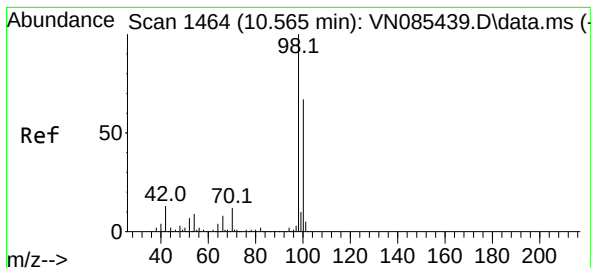
Tgt Ion: 41 Resp: 160675
Ion Ratio Lower Upper
41 100
69 0.1 64.7 97.1#
39 55.2 49.0 73.6



#49
1,4-Dioxane
Concen: 4.232 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.053 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 772390.3 26.6 39.8#
58 4538.3 59.5 89.3#

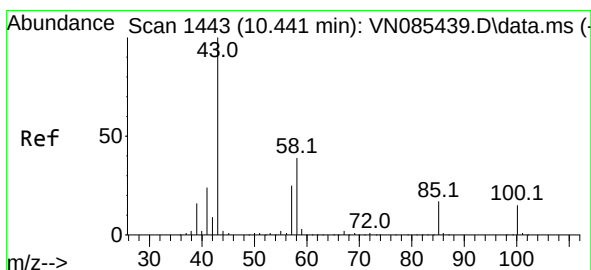
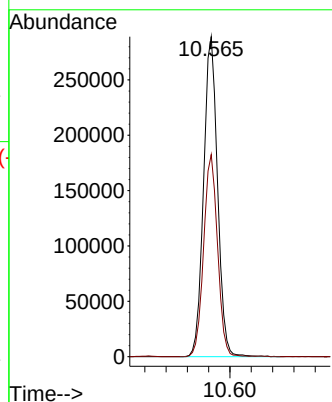
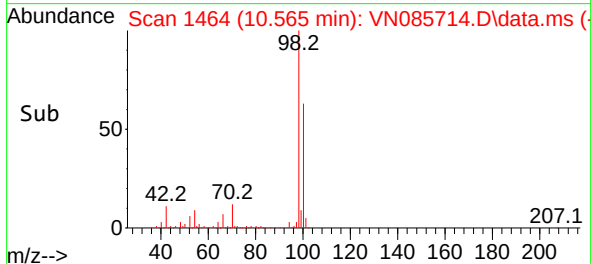
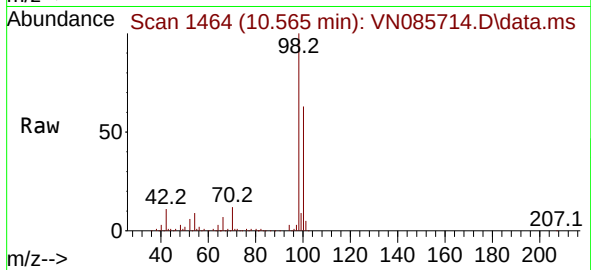




#50
Toluene-d8
Concen: 52.244 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

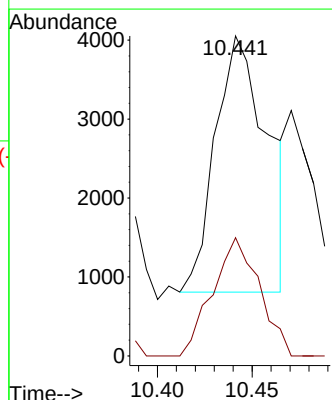
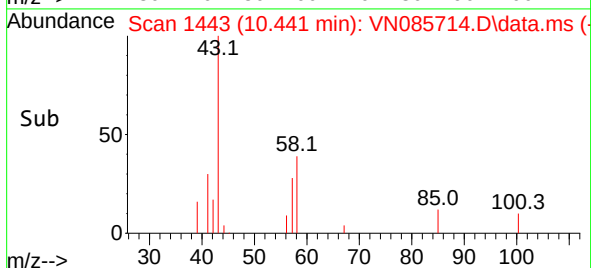
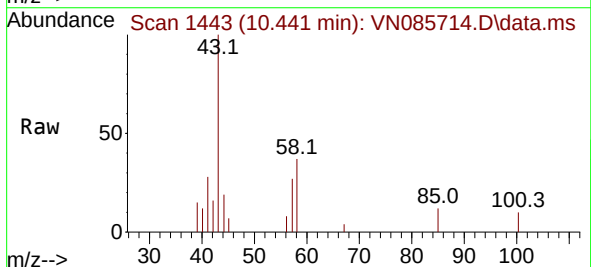
Instrument :
MSVOA_N
ClientSampleId :
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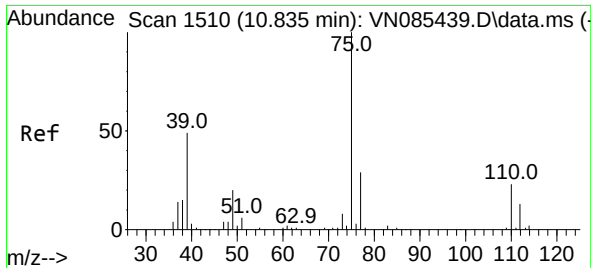
Tgt Ion: 98 Resp: 525258
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.651 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 43 Resp: 6153
Ion Ratio Lower Upper
43 100
58 41.8 30.5 45.7

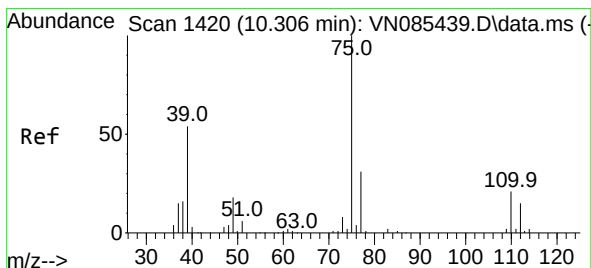
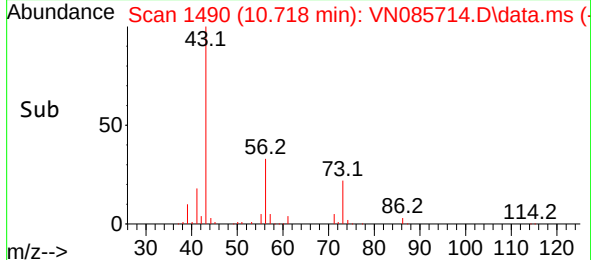
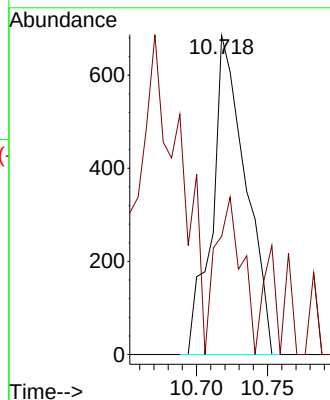
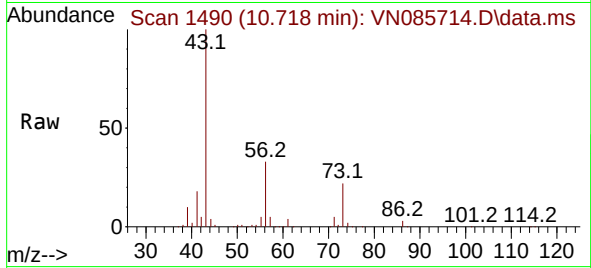




#53
 t-1,3-Dichloropropene
 Concen: 0.265 ug/l
 RT: 10.718 min Scan# 1490
 Delta R.T. -0.118 min
 Lab File: VN085714.D
 Acq: 07 Feb 2025 22:18

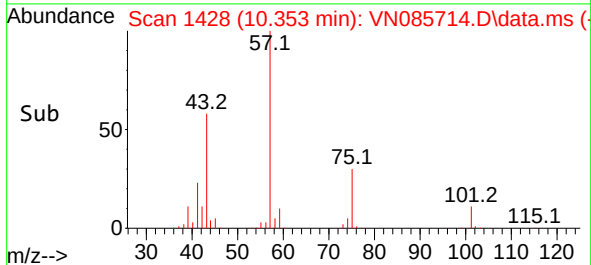
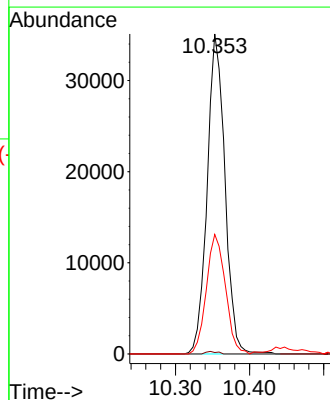
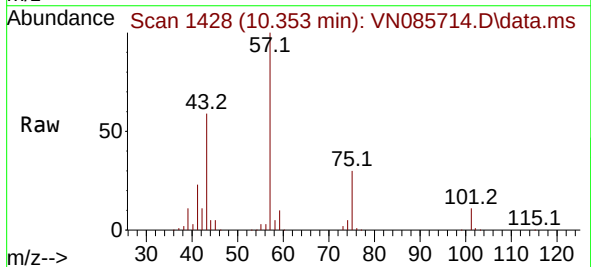
Instrument :
 MSVOA_N
 ClientSampleId :
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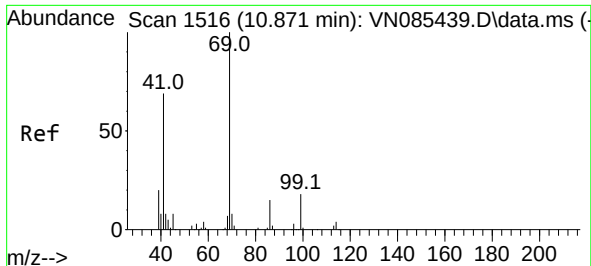
Tgt Ion: 75 Resp: 1121
 Ion Ratio Lower Upper
 75 100
 77 37.1 23.5 35.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.914 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085714.D
 Acq: 07 Feb 2025 22:18

Tgt Ion: 75 Resp: 58409
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 37.4 43.1 64.7#

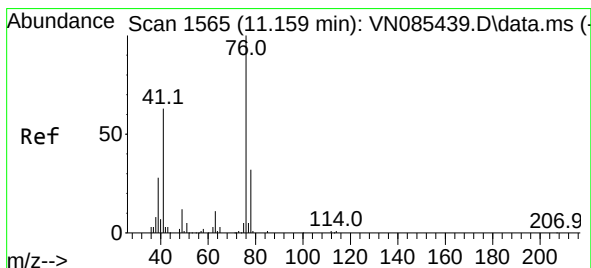
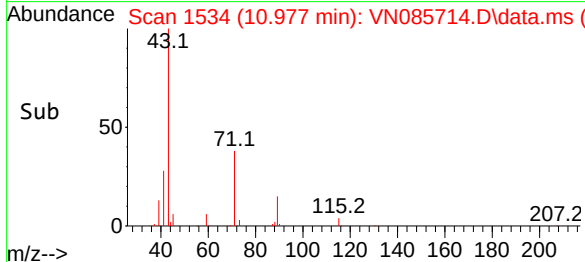
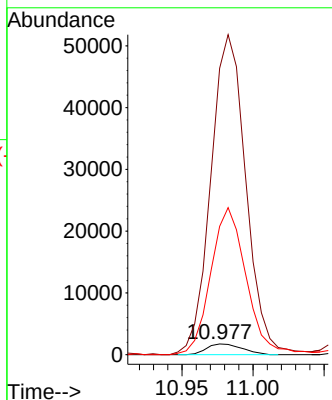
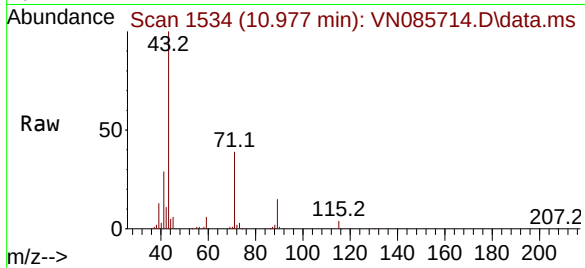




#56
Ethyl methacrylate
Concen: 2.563 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

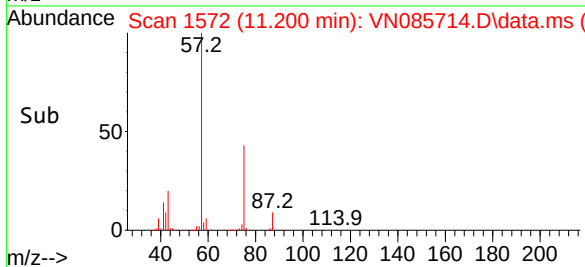
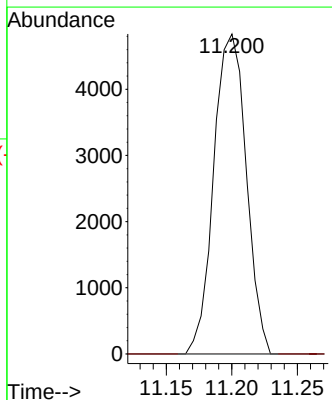
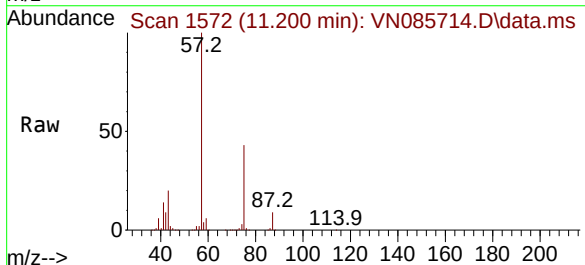
Instrument :
MSVOA_N
ClientSampleId :
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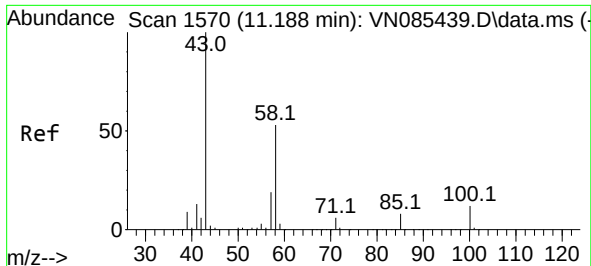
Tgt Ion: 69 Resp: 3030
Ion Ratio Lower Upper
69 100
41 2951.3 54.6 82.0#
39 1368.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.752 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 76 Resp: 8338
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

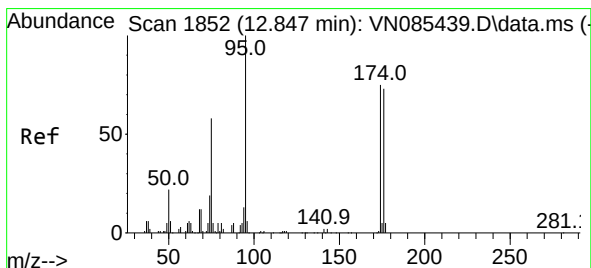
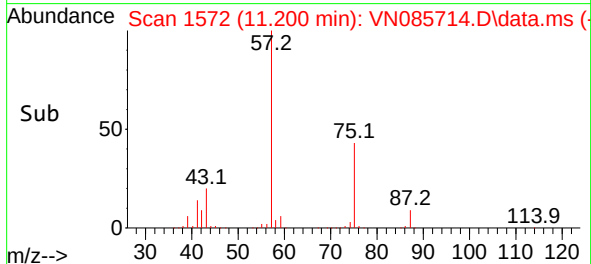
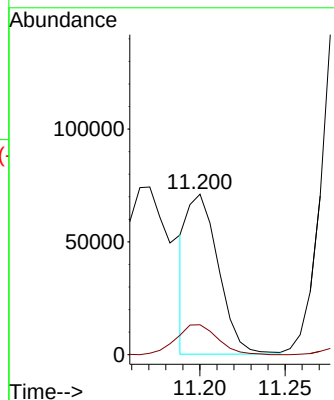
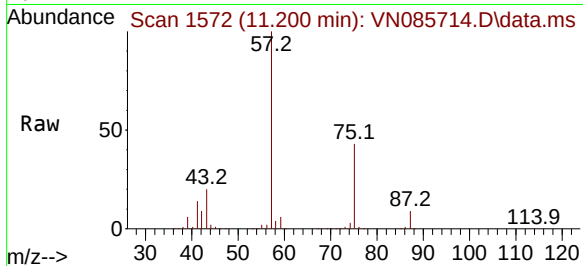




#59
2-Hexanone
Concen: 34.536 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

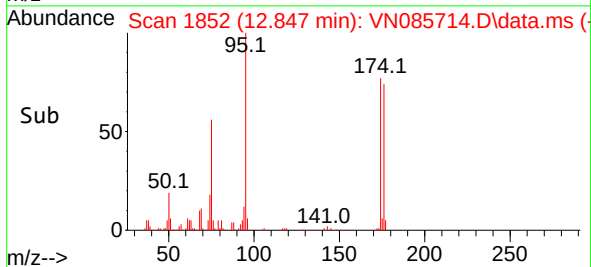
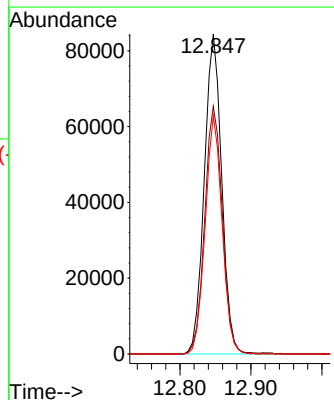
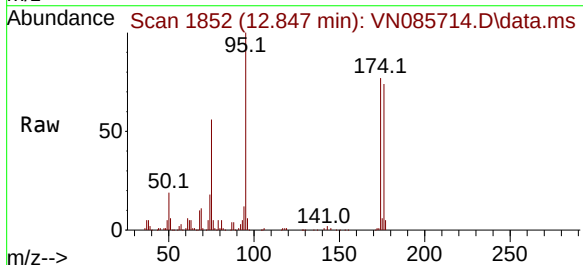
Instrument :
MSVOA_N
ClientSampleId :
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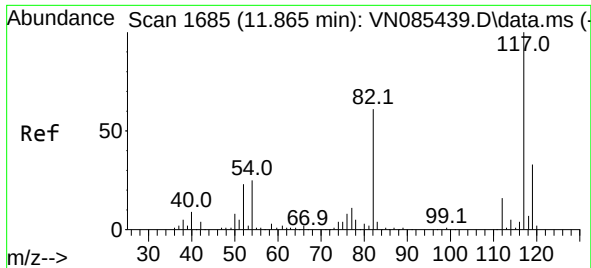
Tgt Ion: 43 Resp: 90575
Ion Ratio Lower Upper
43 100
58 25.1 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 41.793 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 95 Resp: 143734
Ion Ratio Lower Upper
95 100
174 78.6 0.0 145.0
176 72.5 0.0 142.4

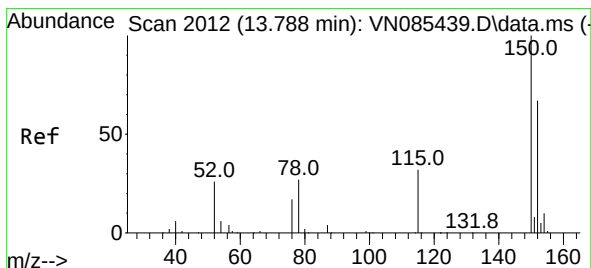
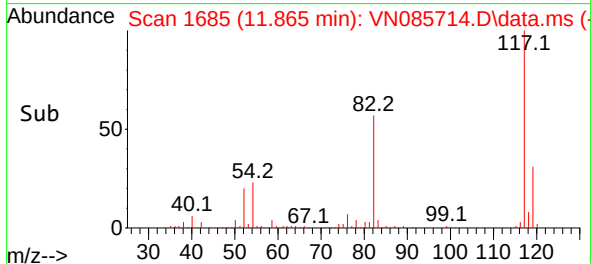
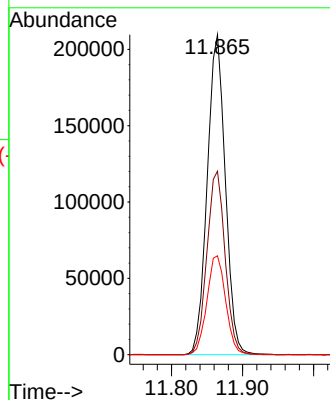
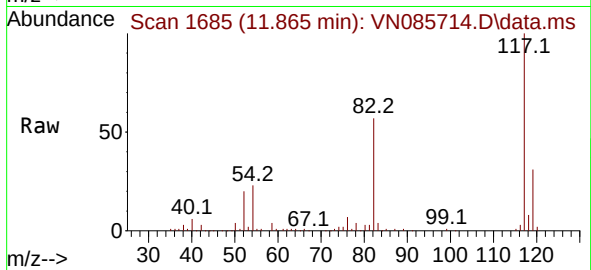




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

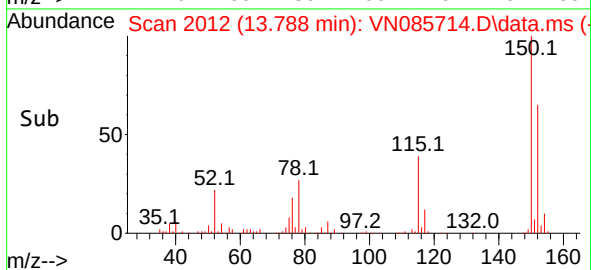
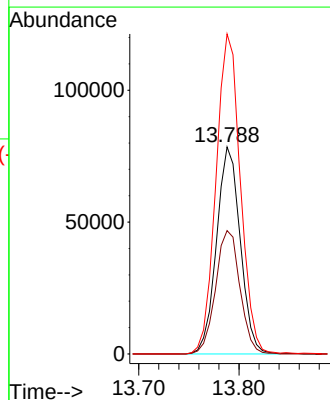
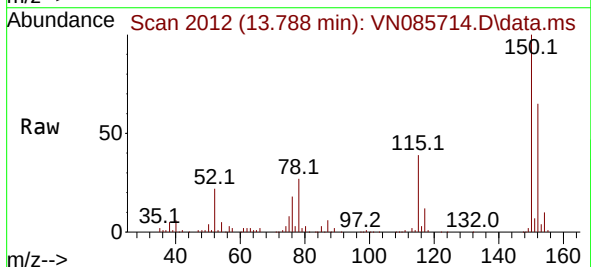
Instrument :
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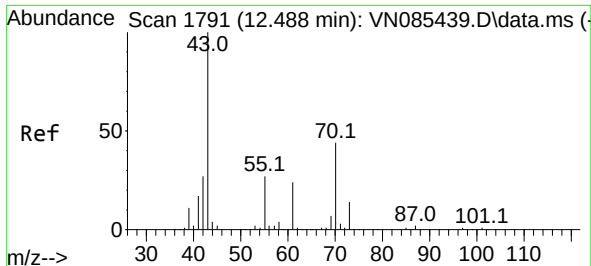
Tgt Ion:117 Resp: 371092
Ion Ratio Lower Upper
117 100
82 57.3 48.6 72.8
119 30.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion:152 Resp: 129028
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.3
150 158.7 0.0 343.6

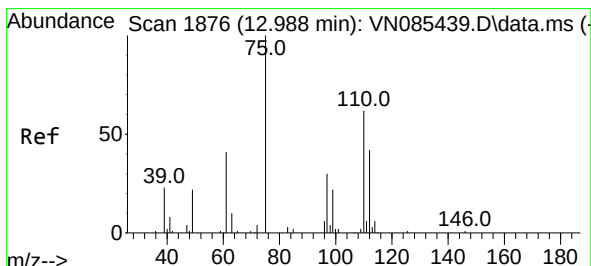
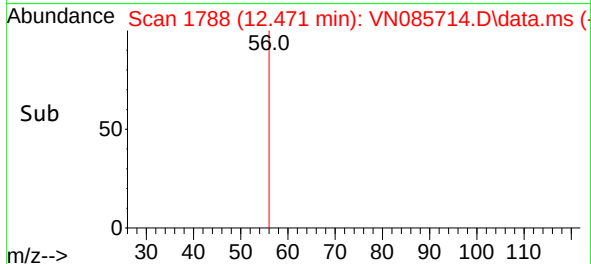
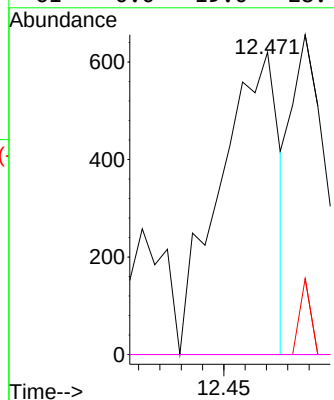
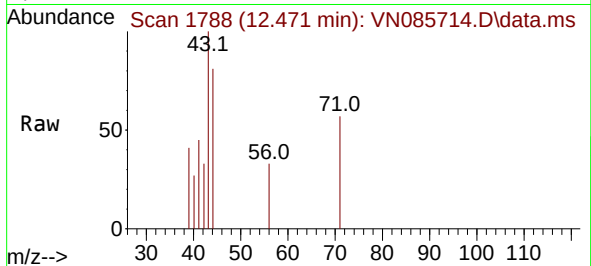




#74
N-amy1 acetate
Concen: 0.303 ug/l
RT: 12.471 min Scan# 1185
Delta R.T. -0.018 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

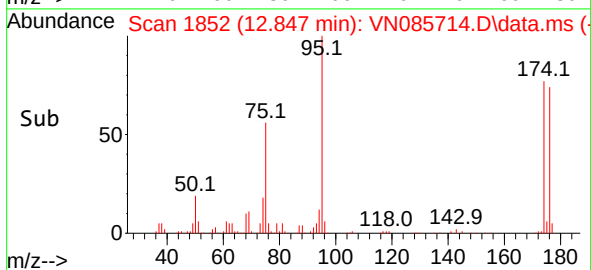
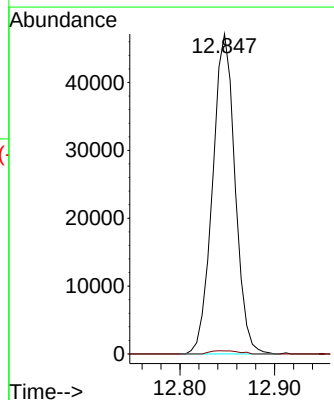
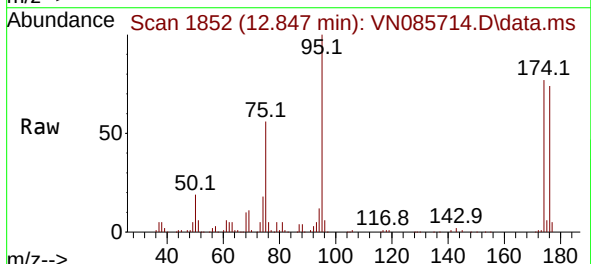
Instrument :
MSVOA_N
ClientSampleId :
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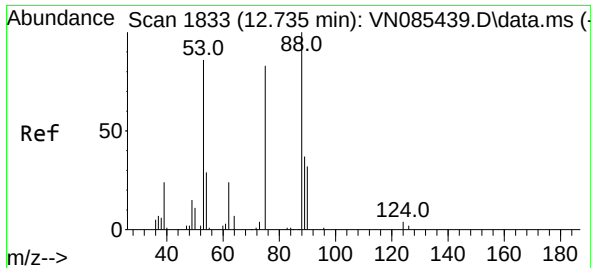
Tgt Ion: 43	Resp: 1185
Ion Ratio	Lower Upper
43 100	
70 0.0	34.0 51.0#
55 4.6	21.4 32.2#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 29.620 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085714.D
Acq: 07 Feb 2025 22:18

Tgt Ion: 75	Resp:	77680	
Ion Ratio	Lower	Upper	
75 100			
77 1.3	109.7	329.2#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.140 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085714.D
 Acq: 07 Feb 2025 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-8

Tgt Ion: 75 Resp: 77680
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.1 37.0 55.6#

