

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086211.D
 Acq On : 02 Apr 2025 16:19
 Operator : JC\MD
 Sample : Q1693-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP-2

Quant Time: Apr 03 01:36:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

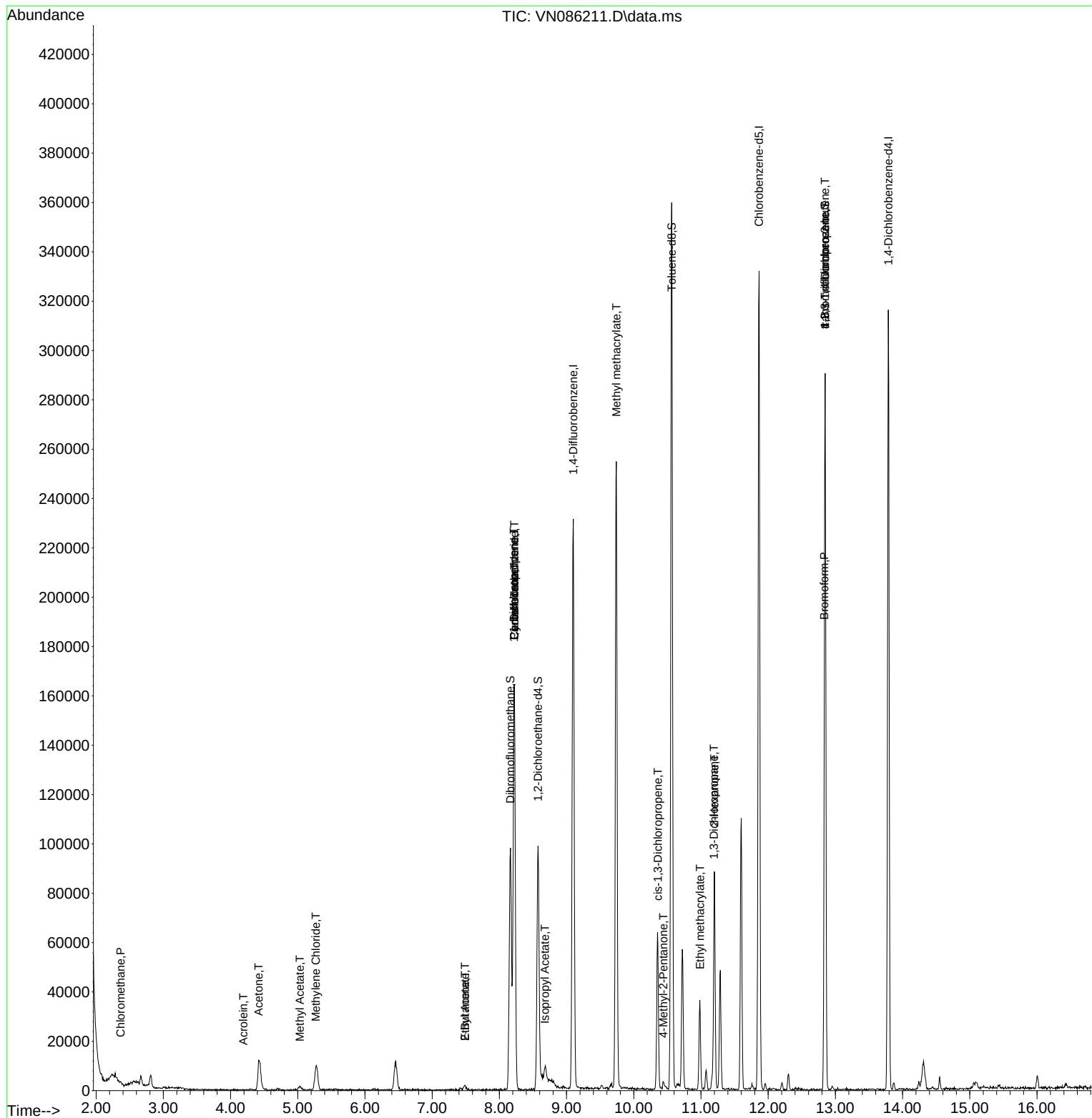
Internal Standards						
1) Pentafluorobenzene	8.224	168	119883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	201489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	191161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	89273	54.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.760%			
35) Dibromofluoromethane	8.165	113	67430	47.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.900%			
50) Toluene-d8	10.565	98	251472	49.268	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.847	95	98084	53.884	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	281	0.202	ug/l #	42
13) Acrolein	4.189	56	53	0.214	ug/l #	15
16) Acetone	4.418	43	24143	48.139	ug/l	91
18) Methyl Acetate	5.030	43	3199	2.578	ug/l #	81
20) Methylene Chloride	5.271	84	8812	6.006	ug/l #	83
25) 2-Butanone	7.488	43	3527	4.874	ug/l	93
31) Cyclohexane	8.224	56	2436	1.191	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	8997	4.858	ug/l #	52
37) Ethyl Acetate	7.488	43	3527	2.258	ug/l #	64
38) Carbon Tetrachloride	8.224	117	13467	5.531	ug/l #	16
43) Isopropyl Acetate	8.676	43	7409	2.189	ug/l #	80
48) Methyl methacrylate	9.741	41	23769	21.277	ug/l #	34
51) 4-Methyl-2-Pentanone	10.441	43	2122	1.421	ug/l #	81
54) cis-1,3-Dichloropropene	10.359	75	12488	5.608	ug/l #	63
56) Ethyl methacrylate	10.988	69	173	0.288	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	813	0.351	ug/l #	42
59) 2-Hexanone	11.200	43	14821	13.626	ug/l #	39
71) Bromoform	12.835	173	360	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	52240	26.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	52240	70.941	ug/l #	16

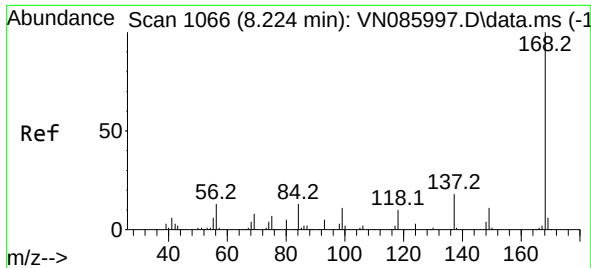
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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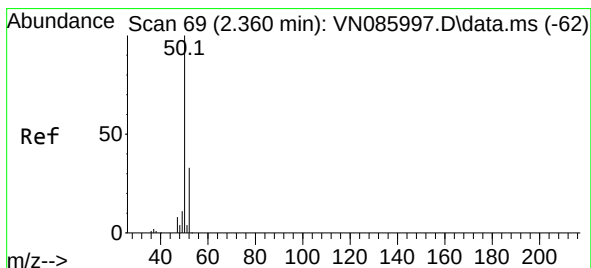
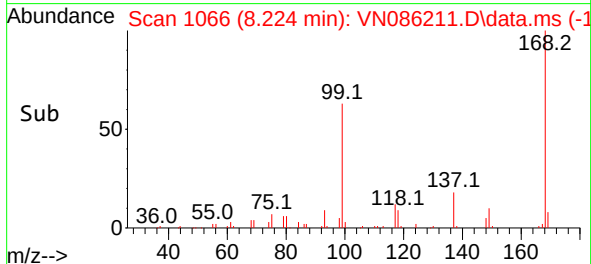
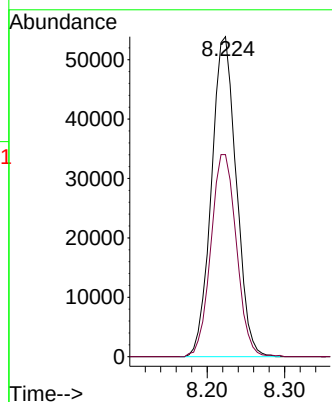
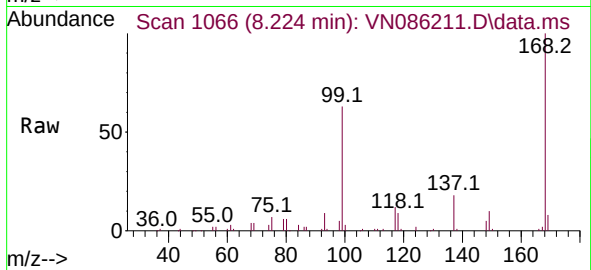




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

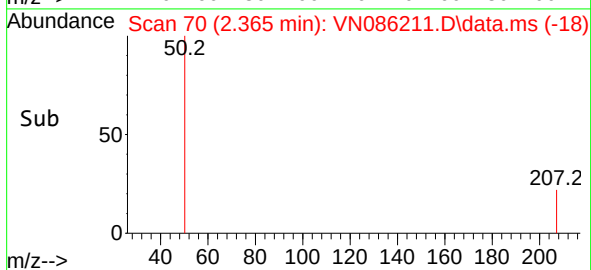
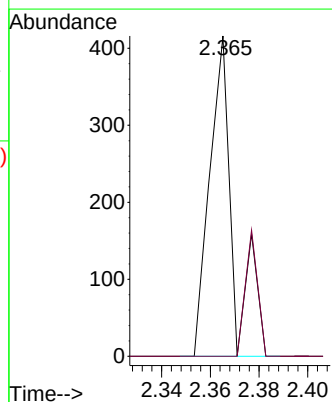
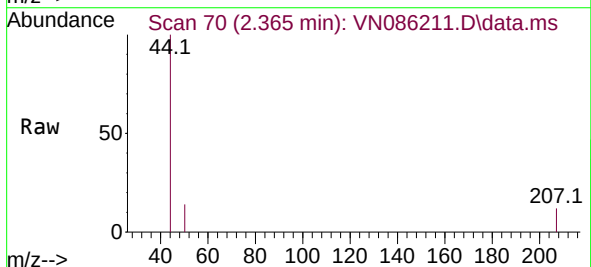
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

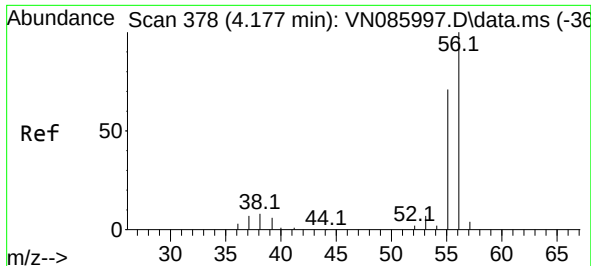
Tgt Ion:168 Resp: 119883
Ion Ratio Lower Upper
168 100
99 63.1 49.4 74.2



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 50 Resp: 281
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

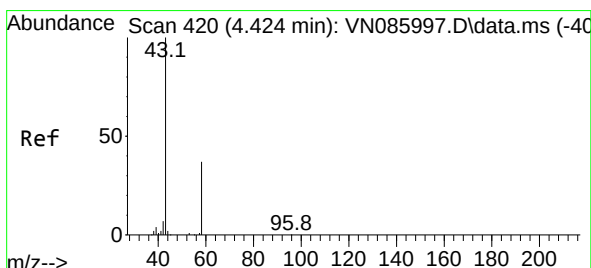
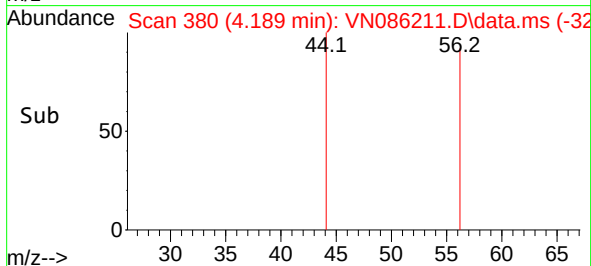
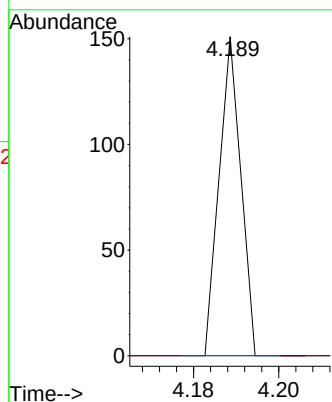
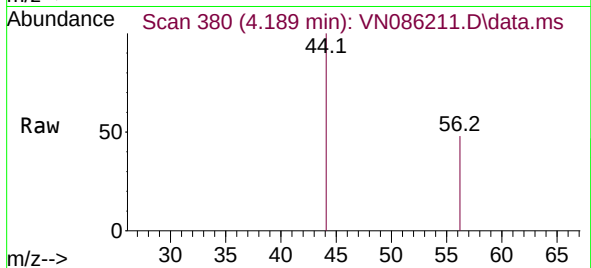




#13
Acrolein
Concen: 0.214 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

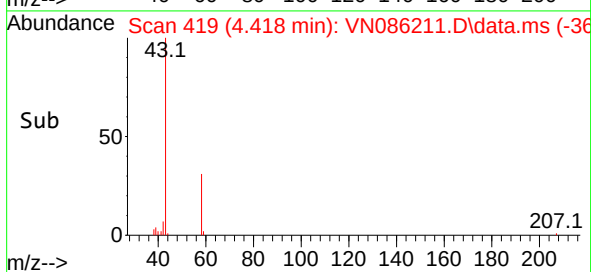
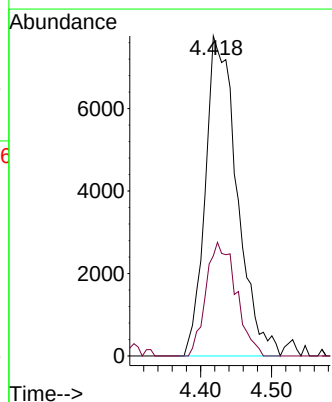
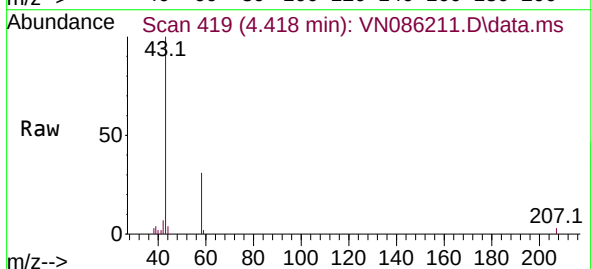
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

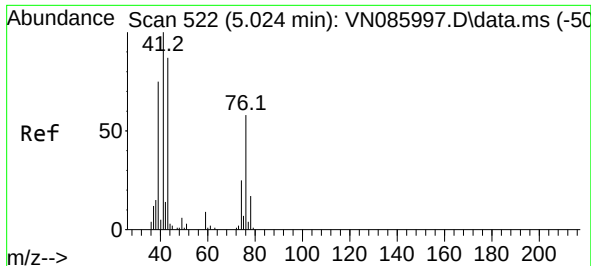
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 48.139 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 43 Resp: 24143
Ion Ratio Lower Upper
43 100
58 31.3 29.4 44.2





#18

Methyl Acetate

Concen: 2.578 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Instrument :

MSVOA_N

ClientSampleId :

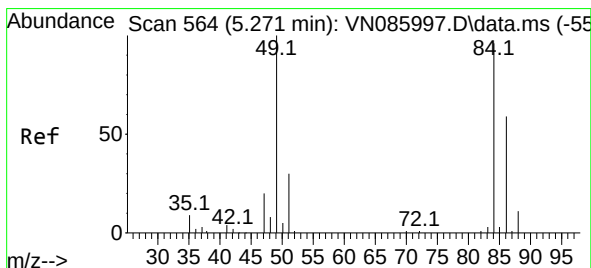
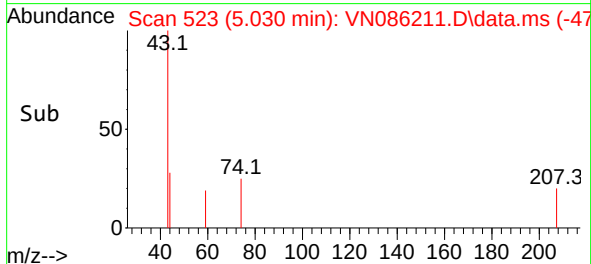
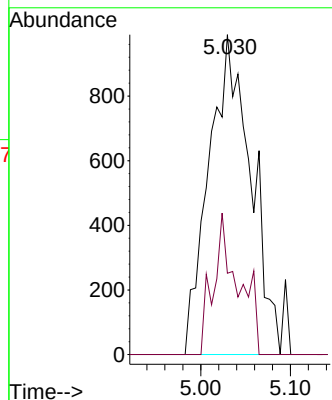
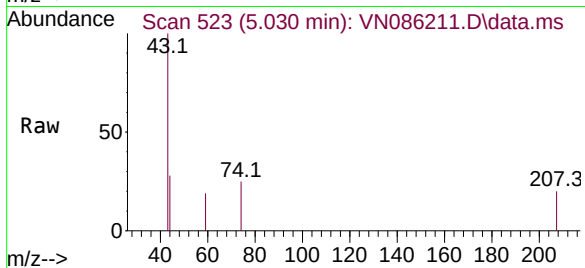
WCS-TP-2

Tgt Ion: 43 Resp: 3199

Ion Ratio Lower Upper

43 100

74 19.4 23.9 35.9#



#20

Methylene Chloride

Concen: 6.006 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Tgt Ion: 84 Resp: 8812

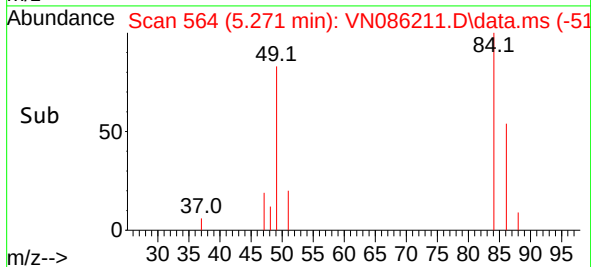
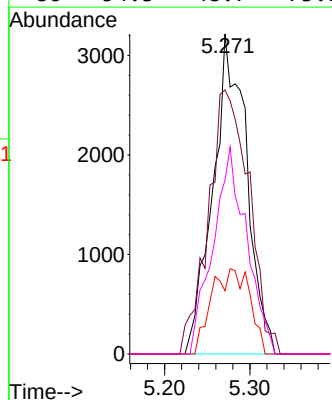
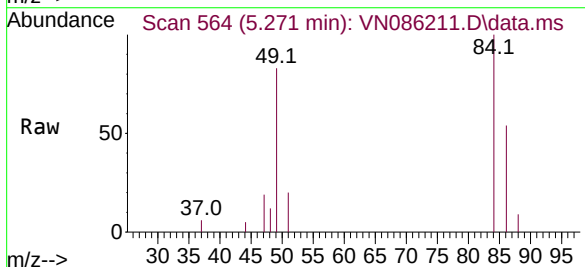
Ion Ratio Lower Upper

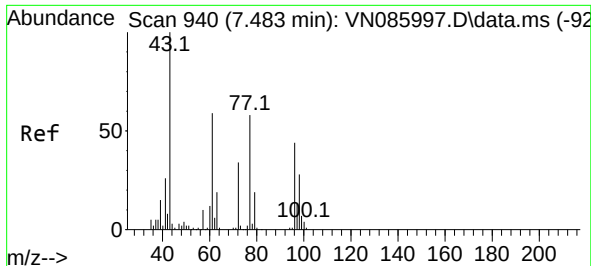
84 100

49 82.5 83.3 124.9#

51 19.7 24.8 37.2#

86 54.3 48.7 73.1

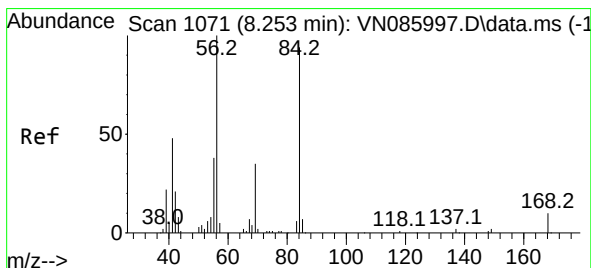
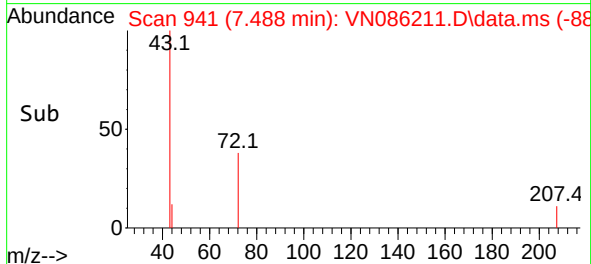
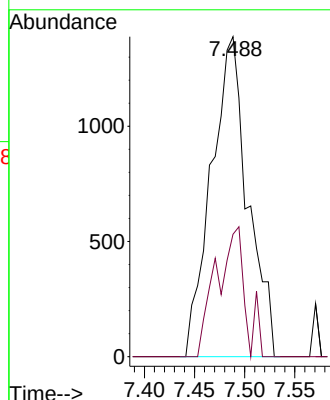
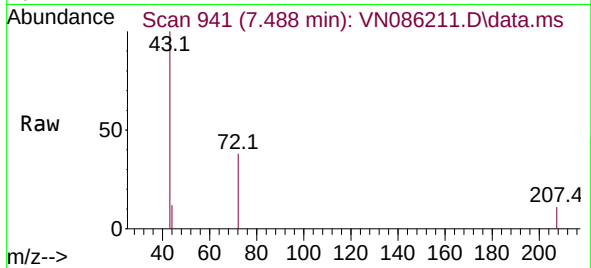




#25
2-Butanone
Concen: 4.874 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

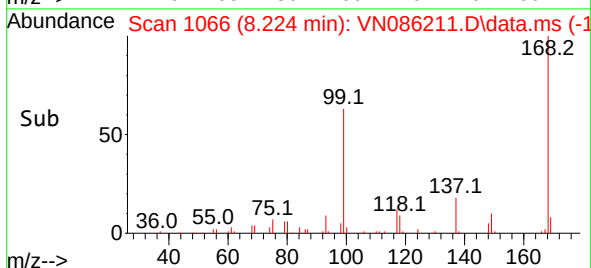
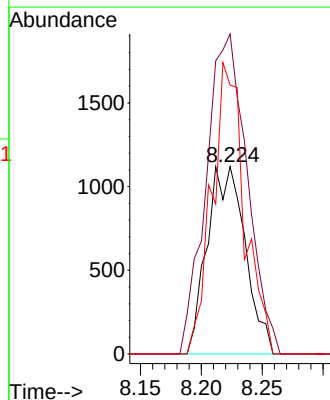
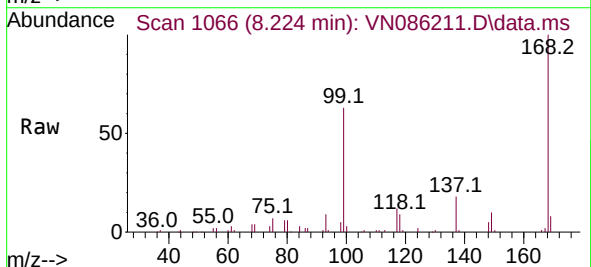
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

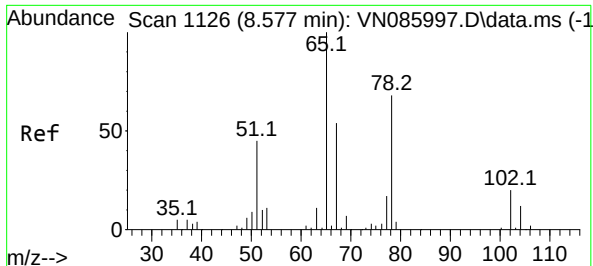
Tgt Ion: 43 Resp: 3527
Ion Ratio Lower Upper
43 100
72 38.2 27.4 41.0



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 56 Resp: 2436
Ion Ratio Lower Upper
56 100
69 170.7 28.0 42.0#
84 143.4 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 54.382 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Instrument :

MSVOA_N

ClientSampleId :

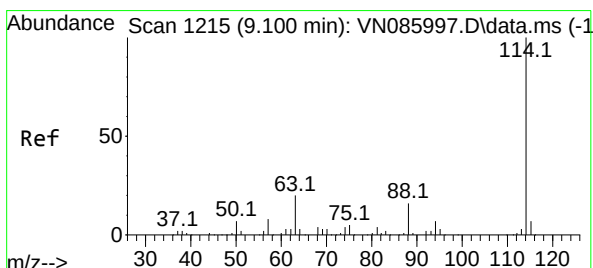
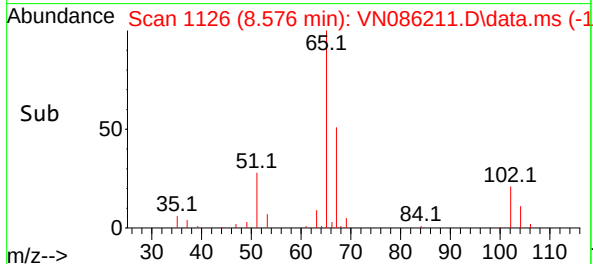
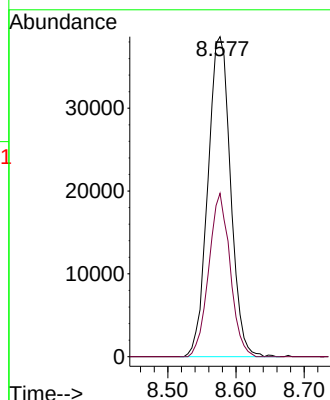
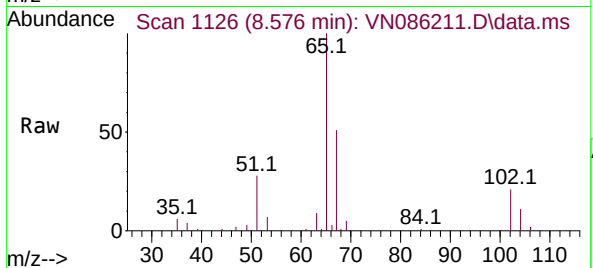
WCS-TP-2

Tgt Ion: 65 Resp: 89273

Ion Ratio Lower Upper

65 100

67 48.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

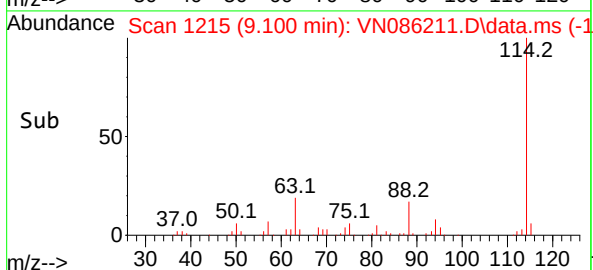
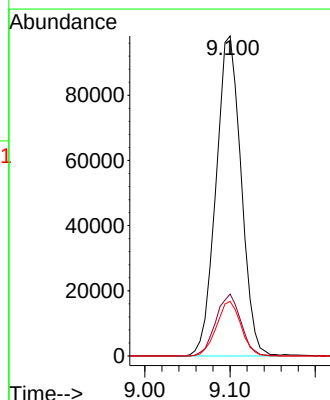
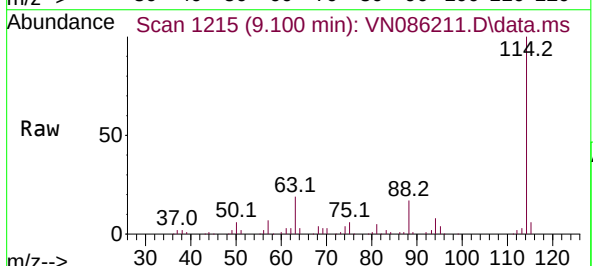
Tgt Ion: 114 Resp: 201489

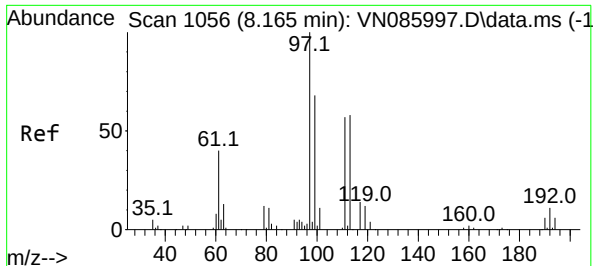
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 17.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.946 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP-2

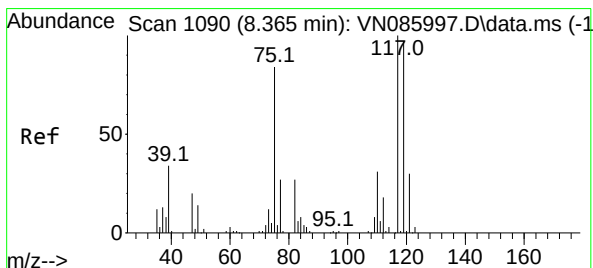
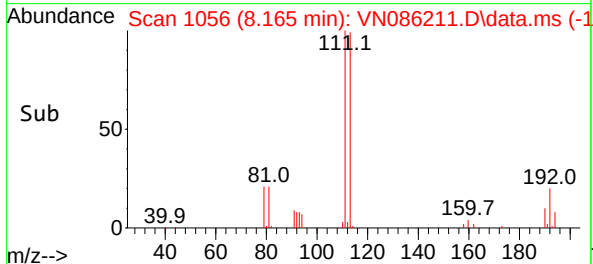
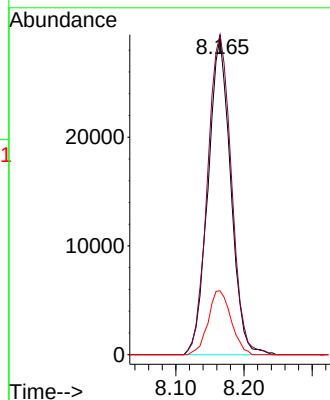
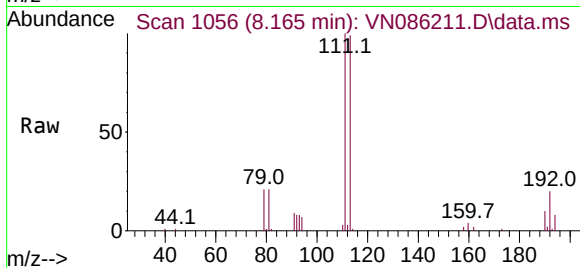
Tgt Ion:113 Resp: 67430

Ion Ratio Lower Upper

113 100

111 106.3 81.8 122.8

192 20.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

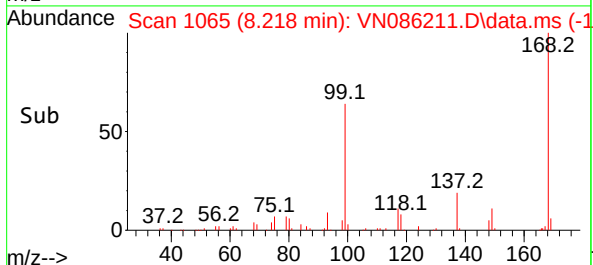
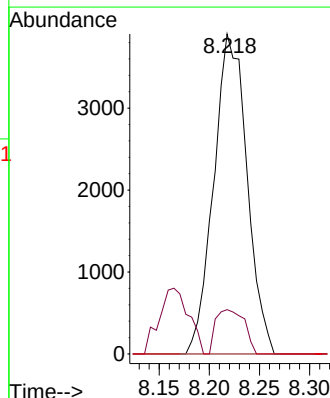
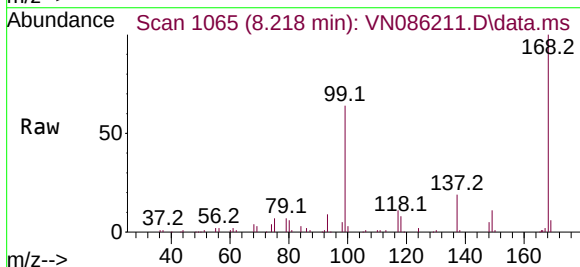
Tgt Ion: 75 Resp: 8997

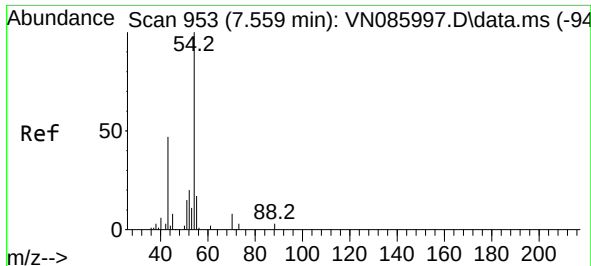
Ion Ratio Lower Upper

75 100

110 11.9 17.8 53.3#

77 0.0 25.0 37.4#

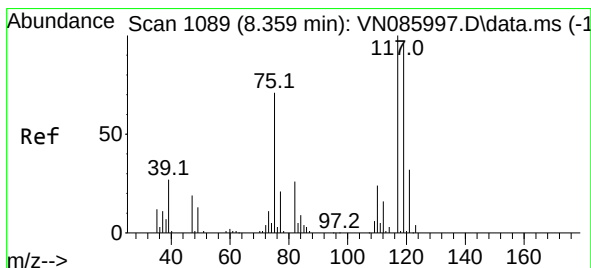
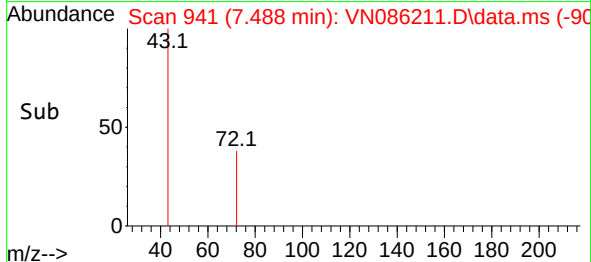
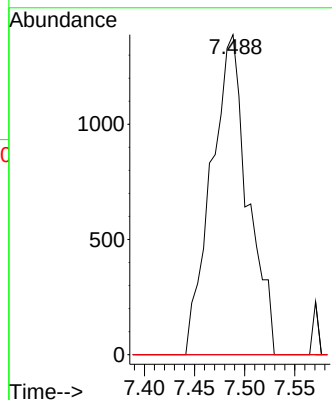
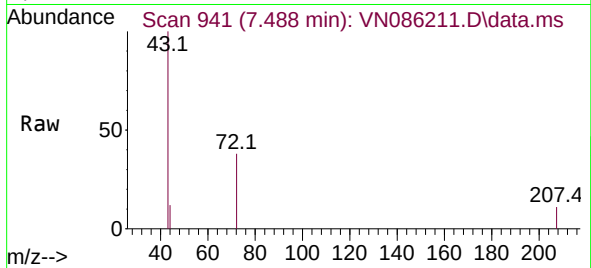




#37
Ethyl Acetate
Concen: 2.258 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

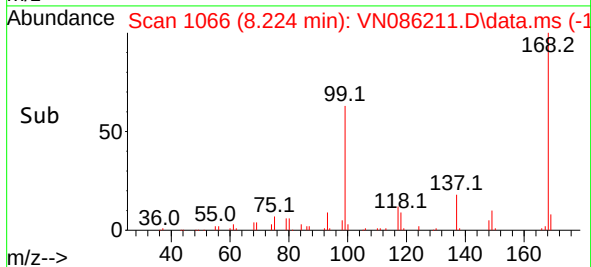
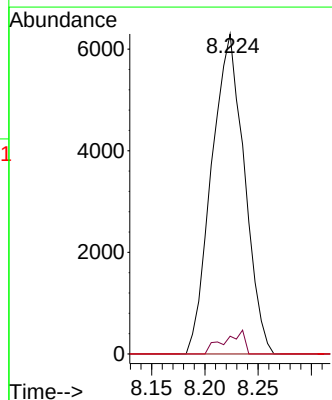
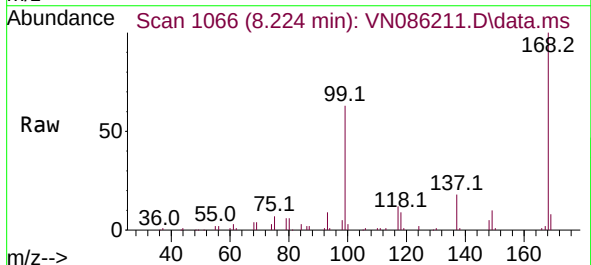
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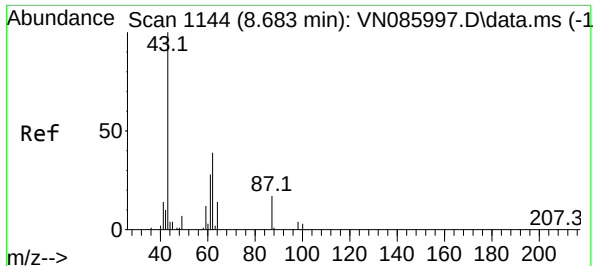
Tgt Ion: 43 Resp: 3527
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 117 Resp: 13467
Ion Ratio Lower Upper
117 100
119 5.5 77.0 115.4#
121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 2.189 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

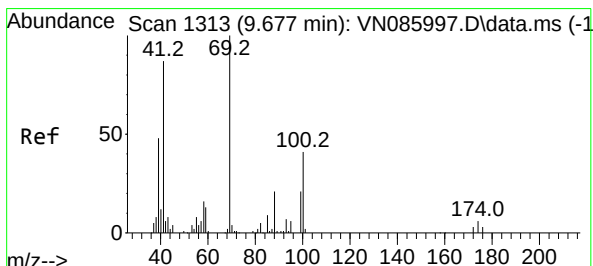
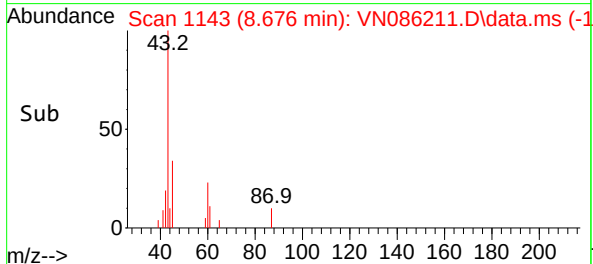
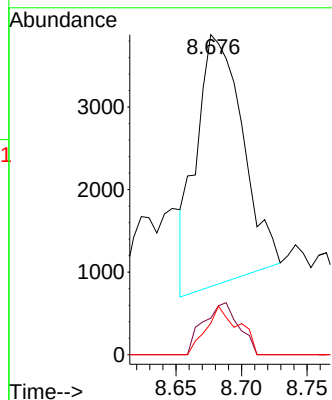
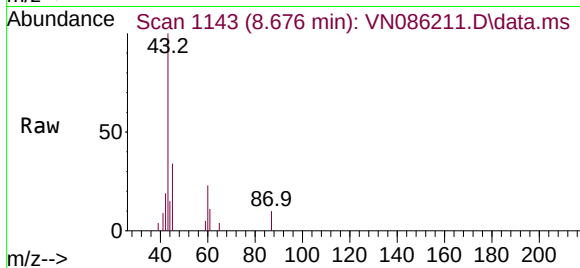
Instrument :

MSVOA_N

ClientSampleId :

WCS-TP-2

Tgt Ion: 43	Resp: 7409
Ion Ratio	Lower Upper
43	100
61	15.9 25.0 37.6#
87	13.6 13.0 19.4



#48

Methyl methacrylate

Concen: 21.277 ug/l

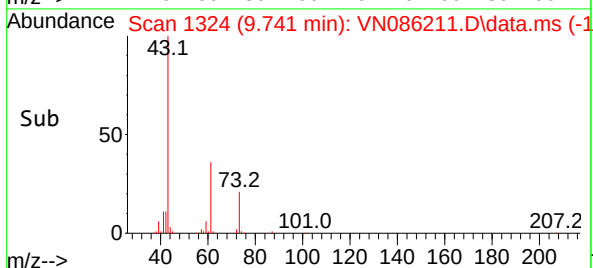
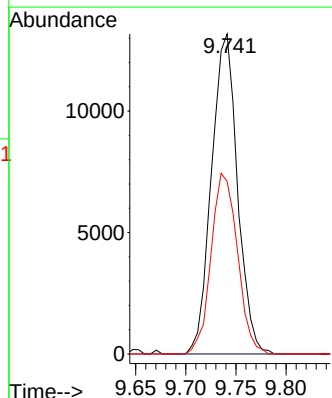
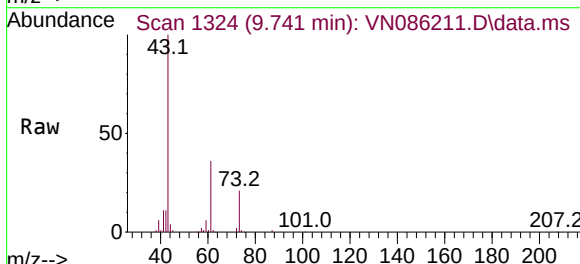
RT: 9.741 min Scan# 1324

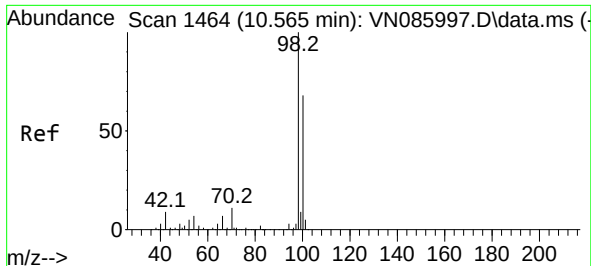
Delta R.T. 0.064 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Tgt Ion: 41	Resp: 23769
Ion Ratio	Lower Upper
41	100
69	0.0 83.1 124.7#
39	57.2 45.6 68.4

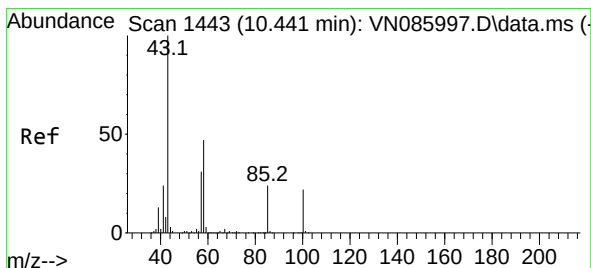
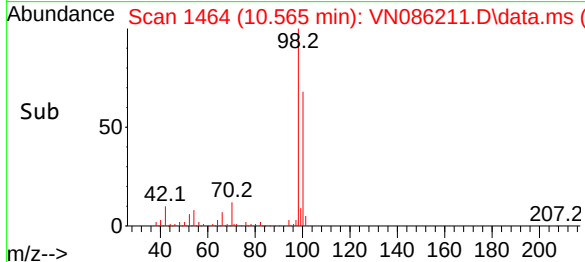
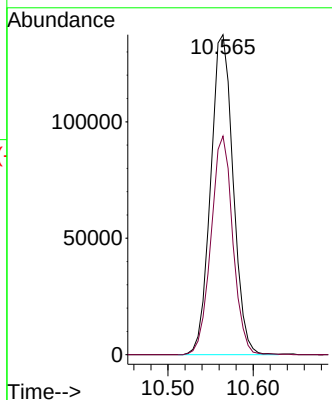
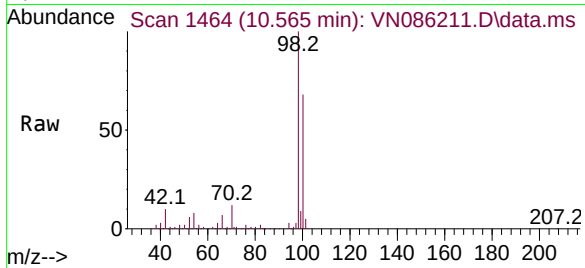




#50
Toluene-d8
Concen: 49.268 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

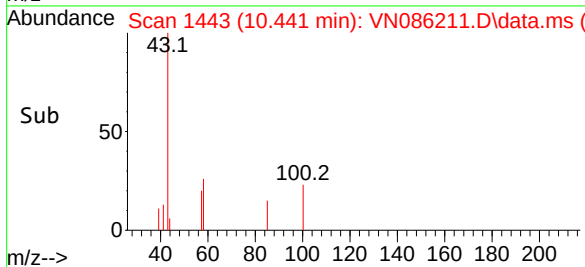
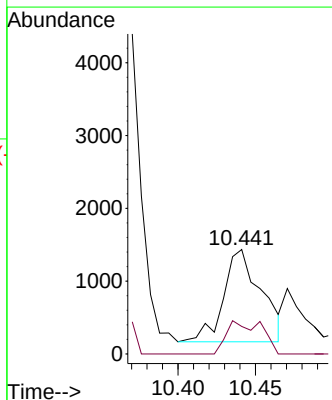
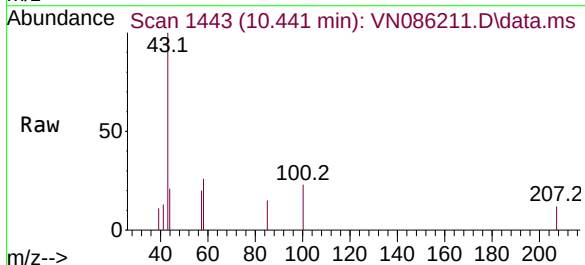
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

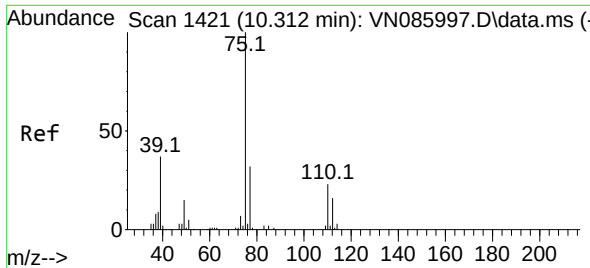
Tgt Ion: 98 Resp: 251472
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.421 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 33.8 37.4 56.0#

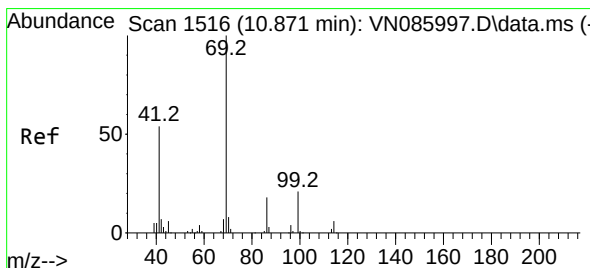
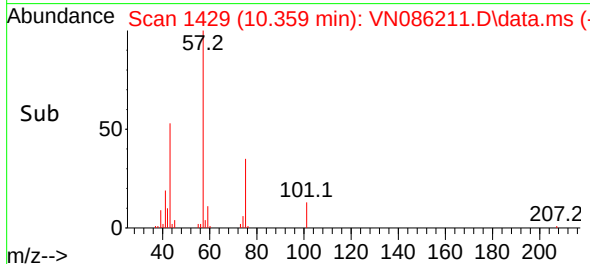
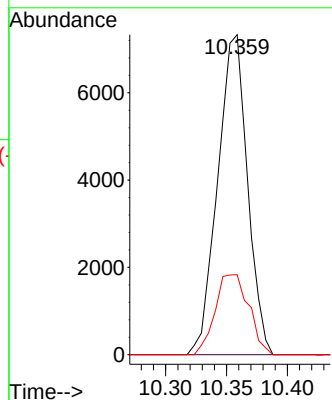
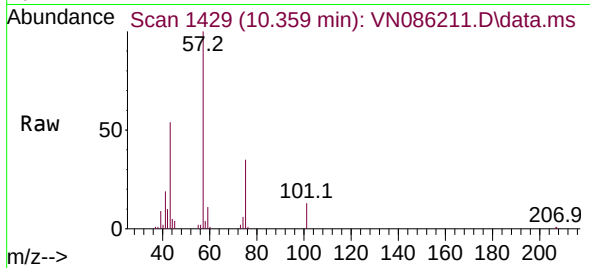




#54
 cis-1,3-Dichloropropene
 Concen: 5.608 ug/l
 RT: 10.359 min Scan# 1421
 Delta R.T. 0.047 min
 Lab File: VN086211.D
 Acq: 02 Apr 2025 16:19

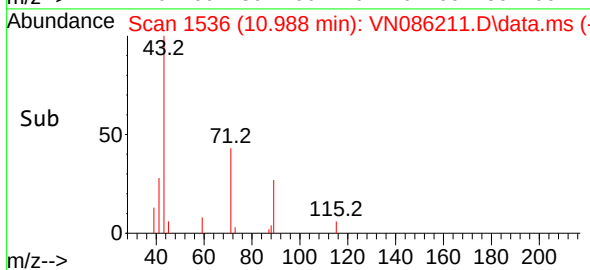
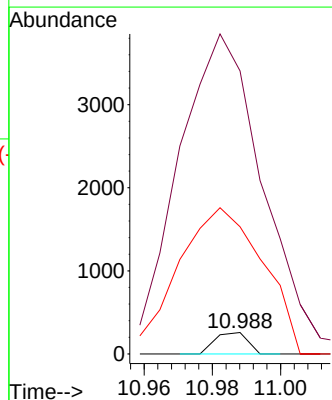
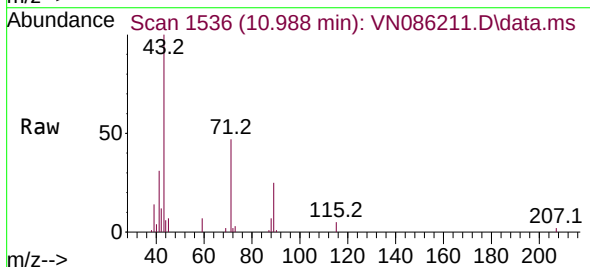
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP-2

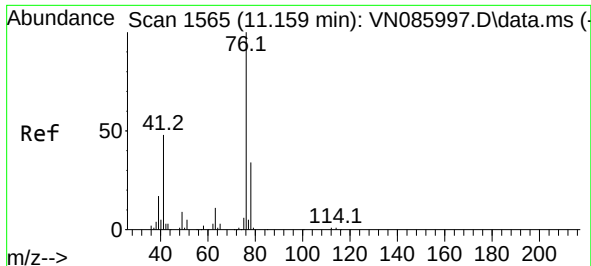
Tgt Ion: 75 Resp: 12488
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 25.0 29.6 44.4#



#56
 Ethyl methacrylate
 Concen: 0.288 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN086211.D
 Acq: 02 Apr 2025 16:19

Tgt Ion: 69 Resp: 173
 Ion Ratio Lower Upper
 69 100
 41 3872.8 41.6 62.4#
 39 1765.3 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.351 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086211.D

Acq: 02 Apr 2025 16:19

Instrument :

MSVOA_N

ClientSampleId :

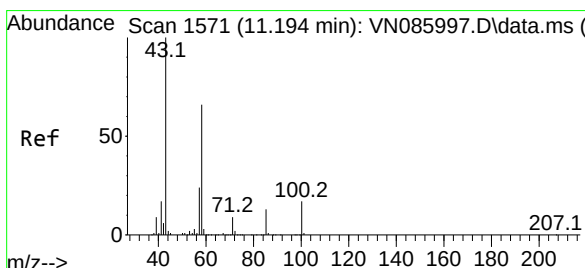
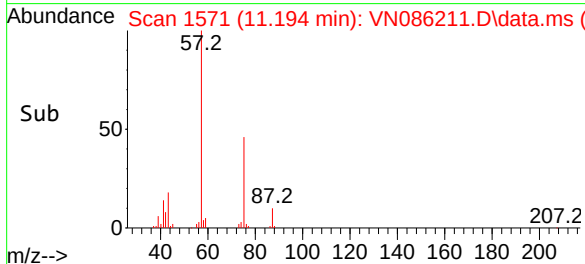
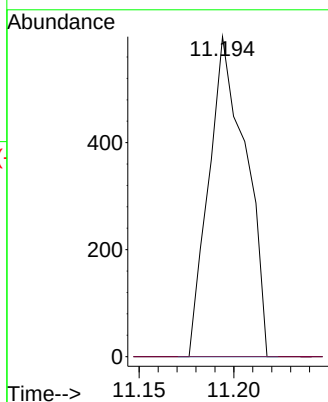
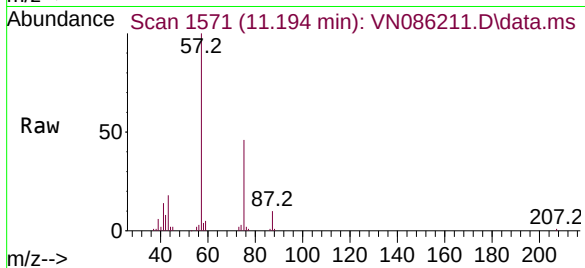
WCS-TP-2

Tgt Ion: 76 Resp: 813

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 13.626 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086211.D

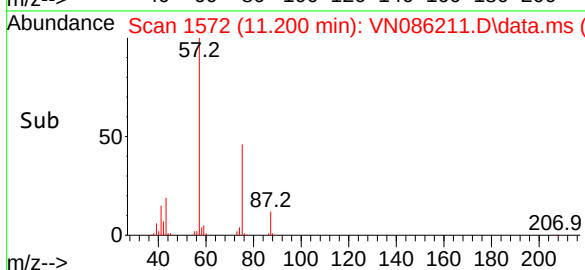
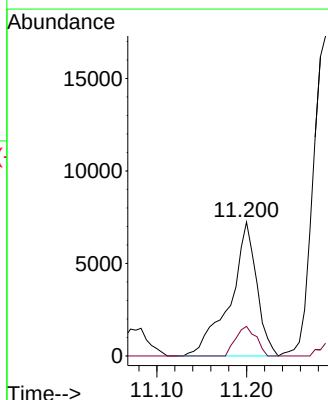
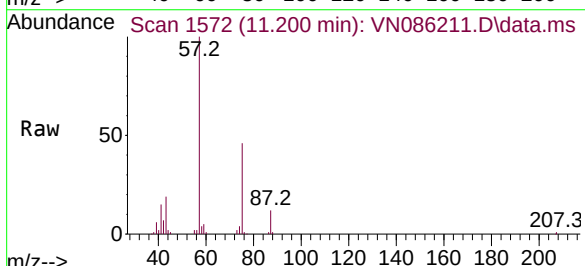
Acq: 02 Apr 2025 16:19

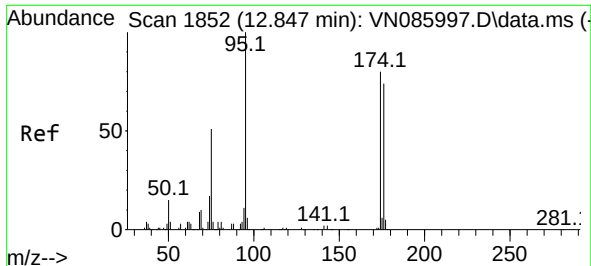
Tgt Ion: 43 Resp: 14821

Ion Ratio Lower Upper

43 100

58 17.0 32.4 97.2#

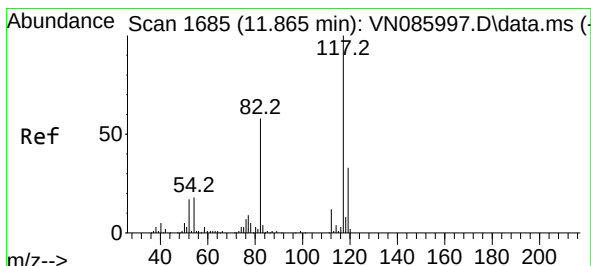
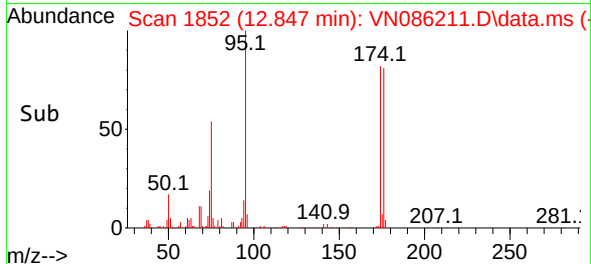
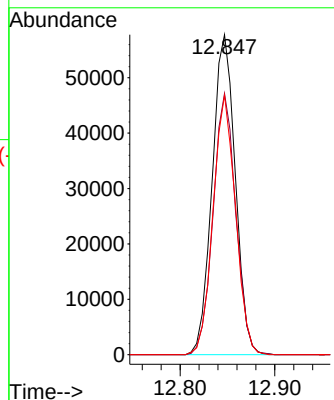
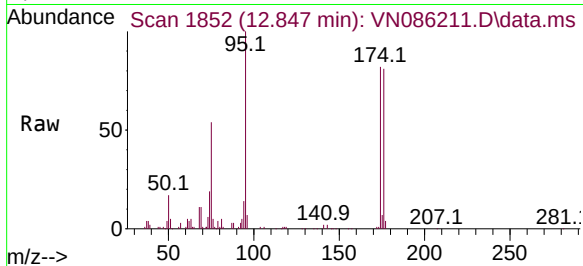




#62
4-Bromofluorobenzene
Concen: 53.884 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

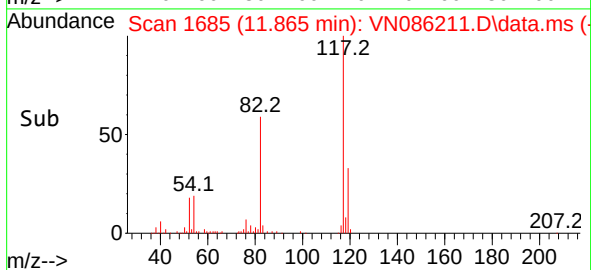
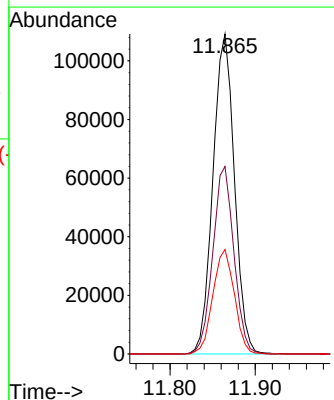
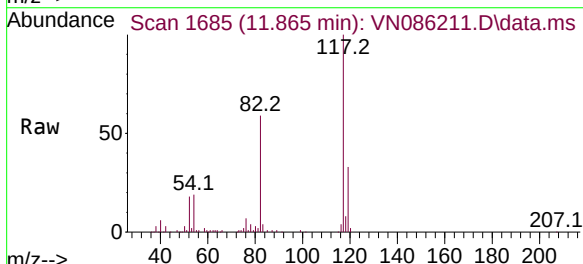
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

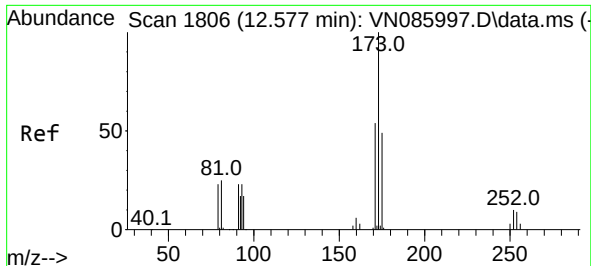
Tgt Ion: 95 Resp: 98084
Ion Ratio Lower Upper
95 100
174 80.0 0.0 156.8
176 79.0 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 117 Resp: 191161
Ion Ratio Lower Upper
117 100
82 58.6 46.7 70.1
119 32.7 26.5 39.7

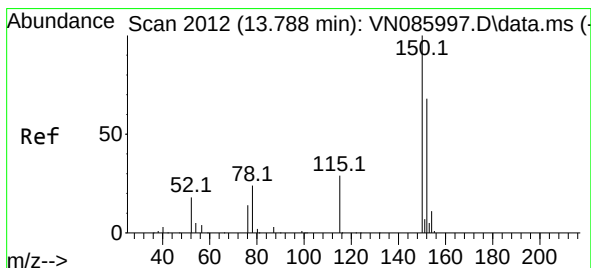
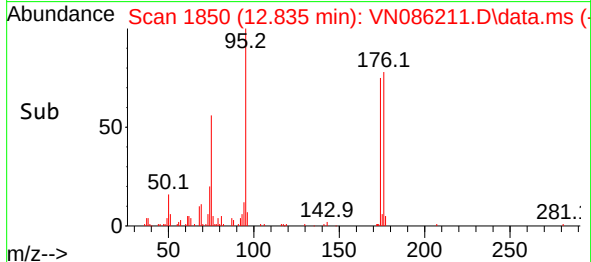
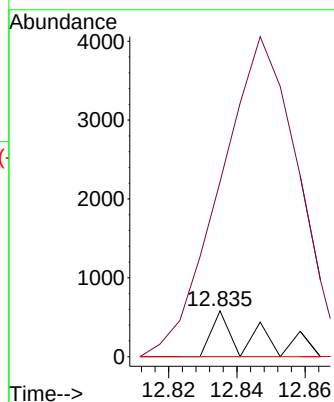
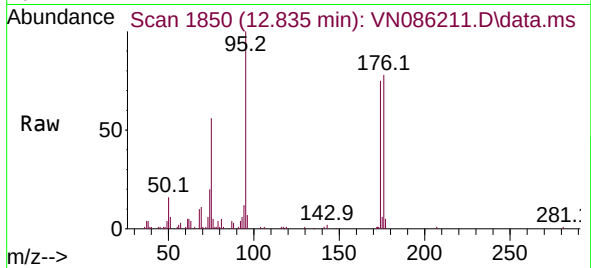




#71
Bromoform
Concen: 0.265 ug/l
RT: 12.835 min Scan# 1806
Delta R.T. 0.259 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

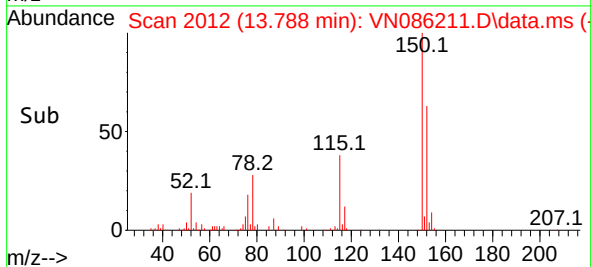
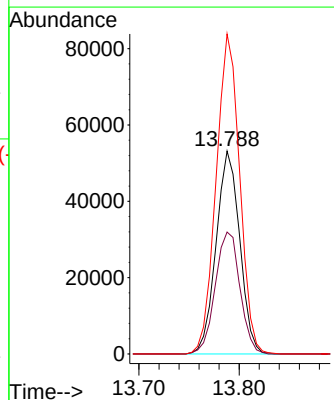
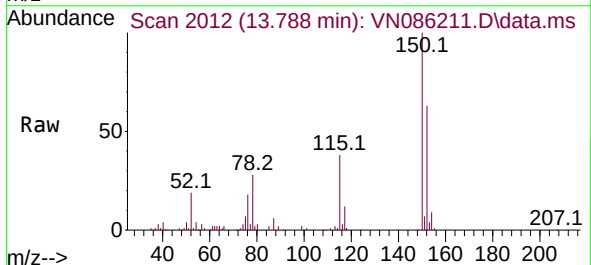
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

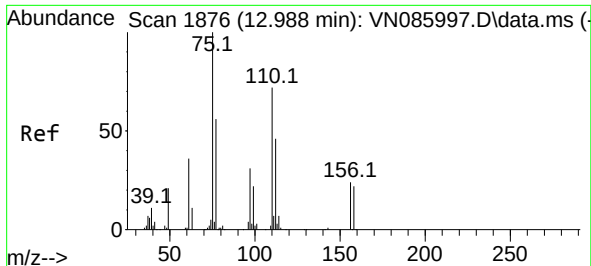
Tgt Ion:173 Resp: 360
Ion Ratio Lower Upper
173 100
175 1450.6 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion:152 Resp: 86961
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.2
150 157.3 0.0 359.6

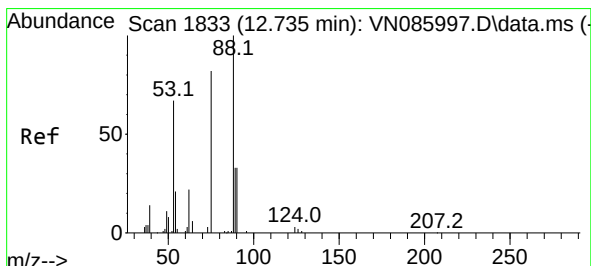
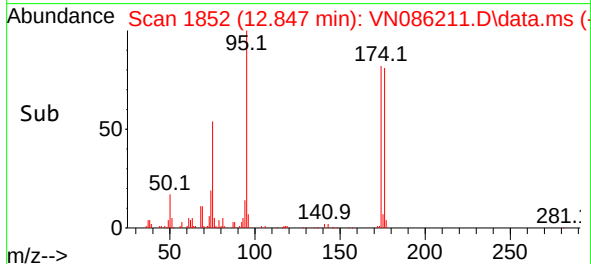
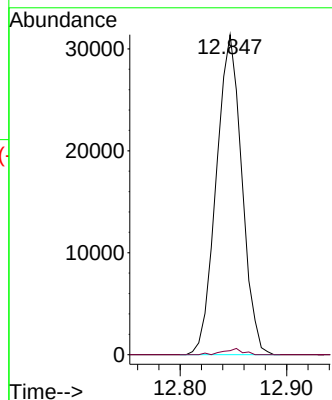
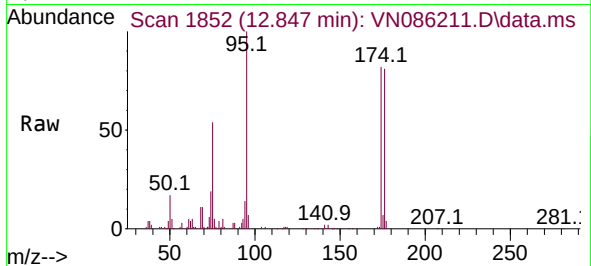




#76
1,2,3-Trichloropropane
Concen: 26.833 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Instrument :
MSVOA_N
ClientSampleId :
WCS-TP-2

Tgt Ion: 75 Resp: 52240
Ion Ratio Lower Upper
75 100
77 1.5 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.941 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086211.D
Acq: 02 Apr 2025 16:19

Tgt Ion: 75 Resp: 52240
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#

