

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
 Data File : VN083311.D
 Acq On : 14 Aug 2024 19:18
 Operator : JC\MD
 Sample : P3601-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 23:25:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

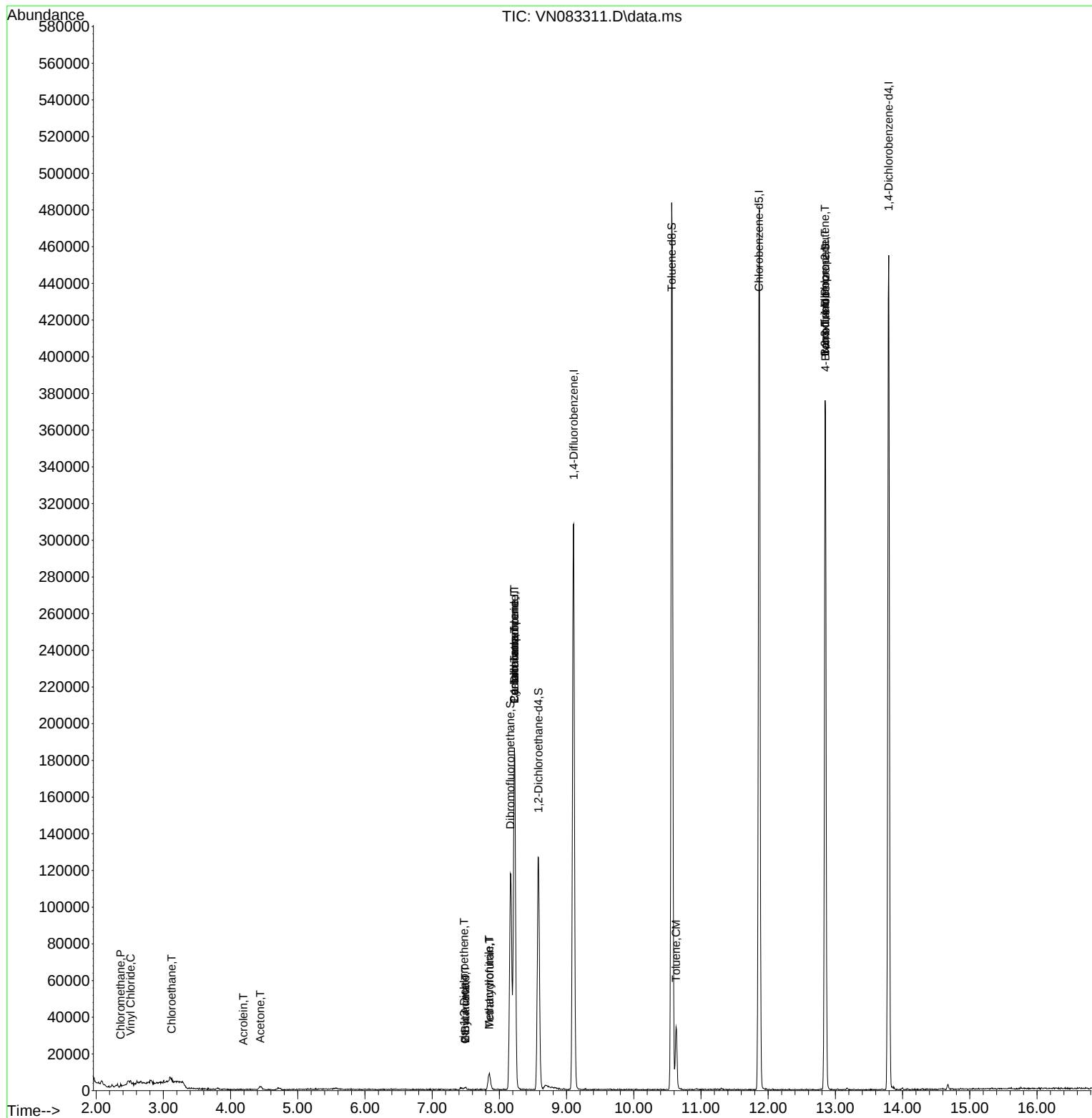
Internal Standards						
1) Pentafluorobenzene	8.224	168	132738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	257654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	108236	57.287	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.580%			
35) Dibromofluoromethane	8.165	113	86279	53.649	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.300%			
50) Toluene-d8	10.565	98	330454	55.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.160%			
62) 4-Bromofluorobenzene	12.853	95	136247	58.256	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.520%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	313	0.203	ug/l #	43
4) Vinyl Chloride	2.512	62	1362	0.866	ug/l #	88
6) Chloroethane	3.124	64	488	0.496	ug/l #	41
13) Acrolein	4.189	56	110	0.430	ug/l #	83
16) Acetone	4.442	43	3433	4.644	ug/l	96
25) 2-Butanone	7.494	43	613	0.540	ug/l #	53
27) cis-1,2-Dichloroethene	7.477	96	497	0.271	ug/l #	1
29) Tetrahydrofuran	7.853	42	7284	9.926	ug/l	91
31) Cyclohexane	8.224	56	3544	1.266	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	11729	4.821	ug/l #	52
37) Ethyl Acetate	7.494	43	613	0.225	ug/l #	1
38) Carbon Tetrachloride	8.224	117	15411	5.624	ug/l #	18
41) Methacrylonitrile	7.847	41	4008	2.588	ug/l #	54
43) Isopropyl Acetate	8.694	43	3047	Below Cal	#	60
52) Toluene	10.629	92	15081	3.293	ug/l	92
71) Bromoform	12.847	173	751	0.473	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	75397	28.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75397	62.240	ug/l #	6

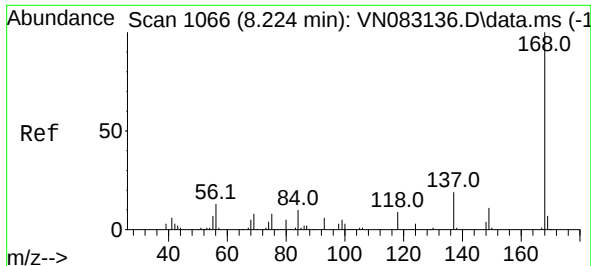
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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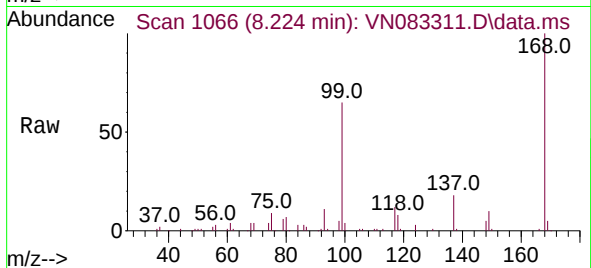
Quant Time: Aug 14 23:25:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
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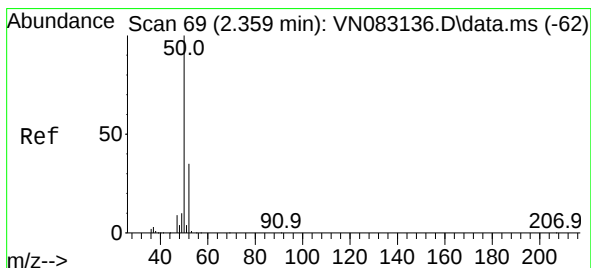
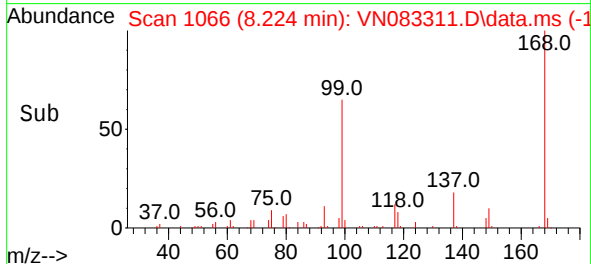
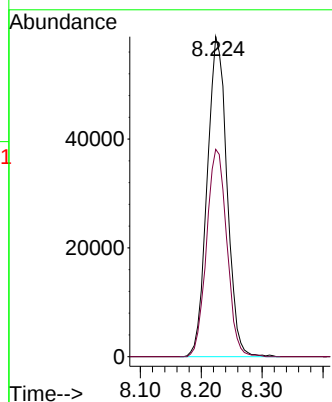


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

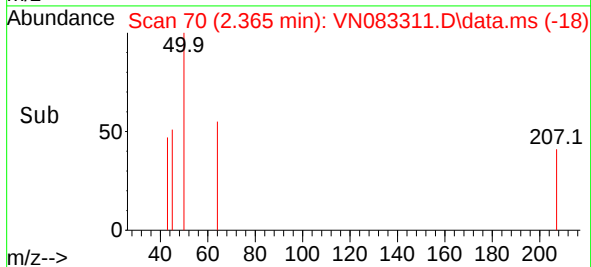
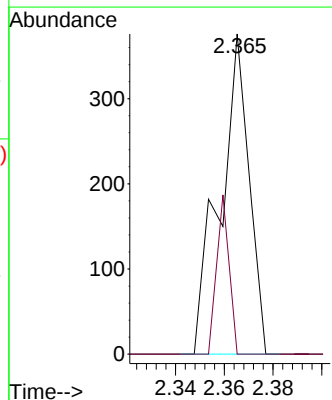
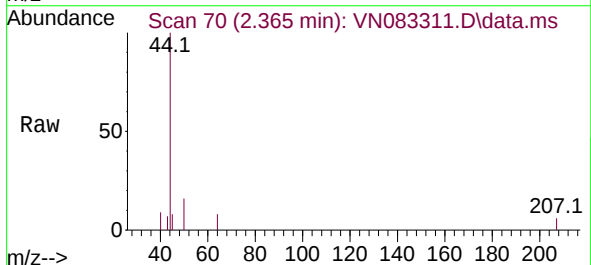


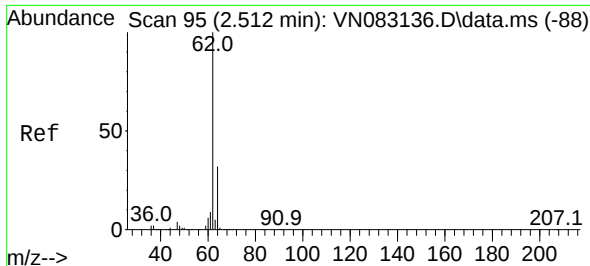
Tgt Ion:168 Resp: 132738
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.4



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

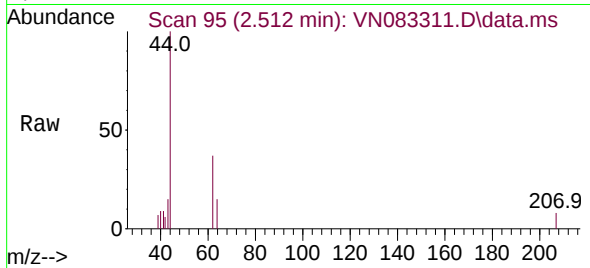
Tgt Ion: 50 Resp: 313
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



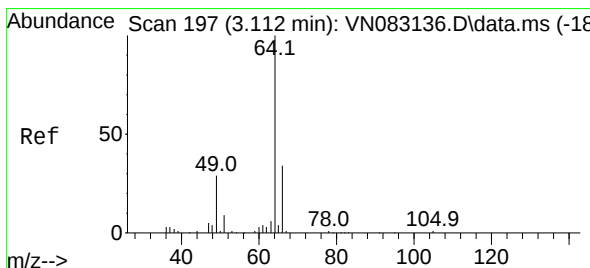
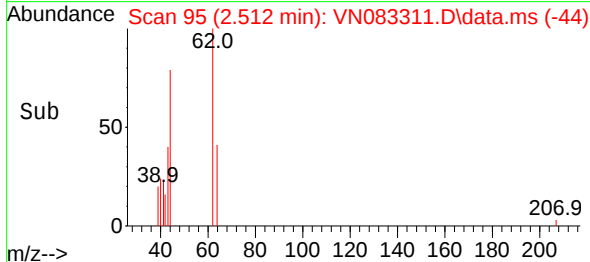
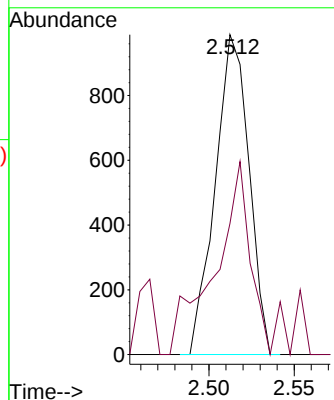


#4
 Vinyl Chloride
 Concen: 0.866 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN083311.D
 Acq: 14 Aug 2024 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

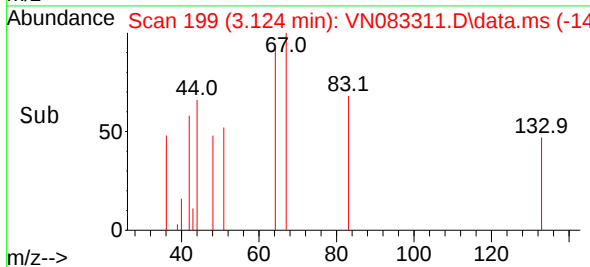
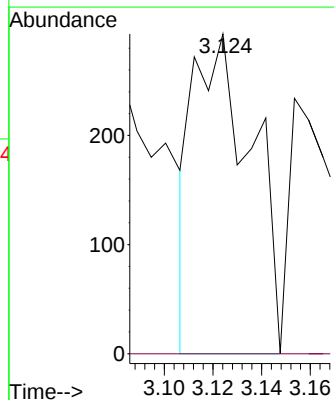
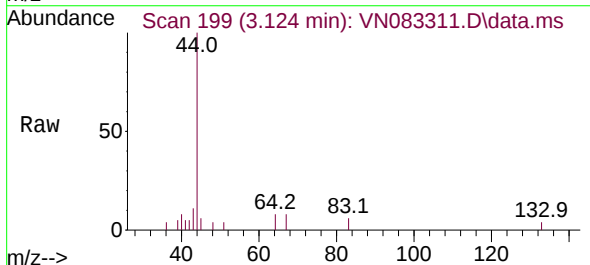


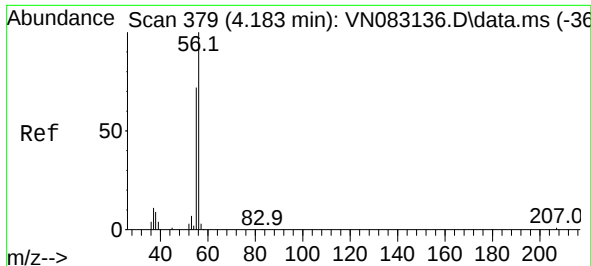
Tgt Ion: 62 Resp: 1362
 Ion Ratio Lower Upper
 62 100
 64 24.5 25.0 37.6#



#6
 Chloroethane
 Concen: 0.496 ug/l
 RT: 3.124 min Scan# 199
 Delta R.T. 0.012 min
 Lab File: VN083311.D
 Acq: 14 Aug 2024 19:18

Tgt Ion: 64 Resp: 488
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.6 40.0#

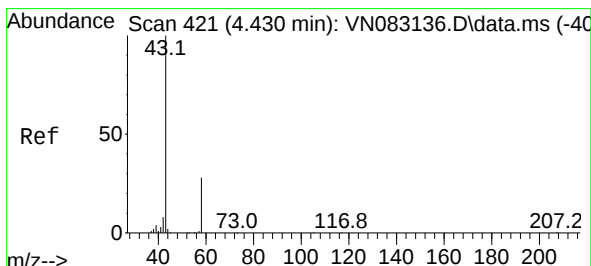
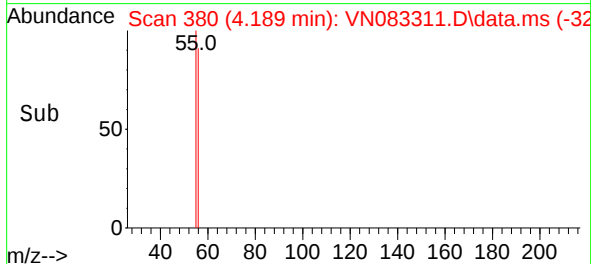
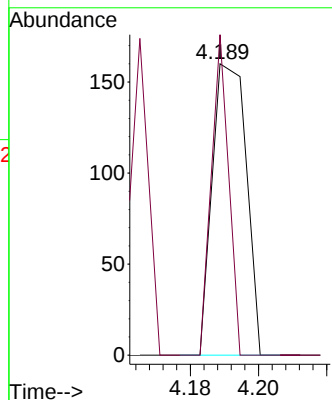
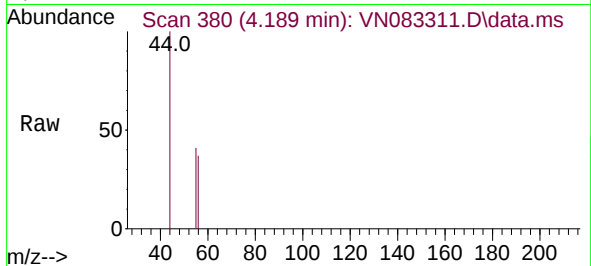




#13
Acrolein
Concen: 0.430 ug/l
RT: 4.189 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

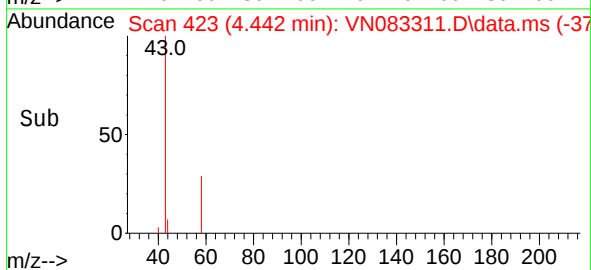
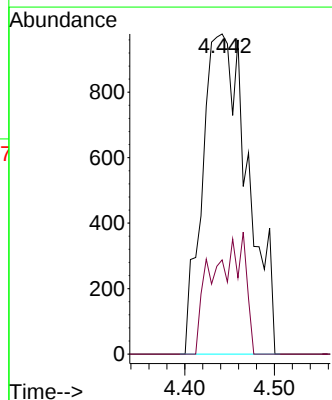
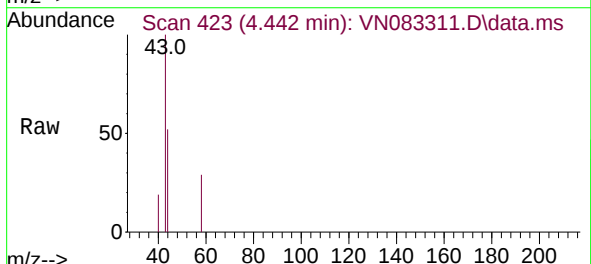
Instrument :
MSVOA_N
ClientSampleId :

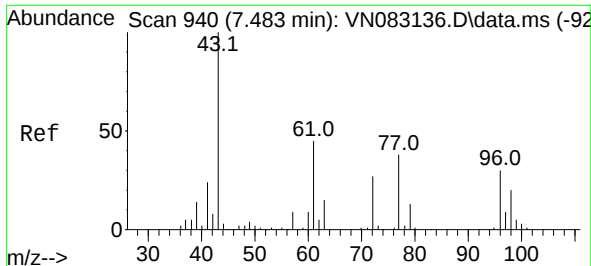
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 56.4 56.4 84.6#



#16
Acetone
Concen: 4.644 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
58 29.4 21.8 32.6





#25

2-Butanone

Concen: 0.540 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

Instrument :

MSVOA_N

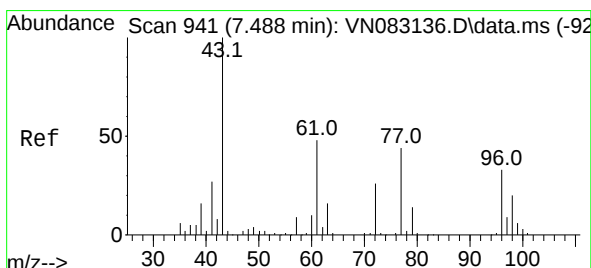
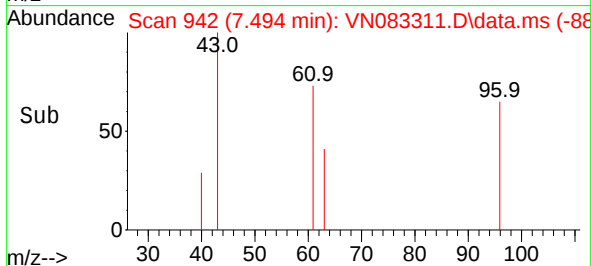
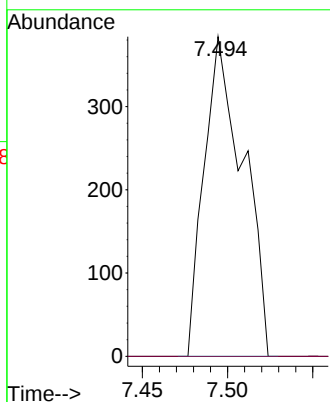
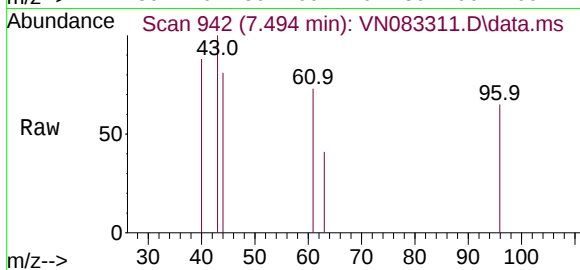
ClientSampleId :

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#27

cis-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.012 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

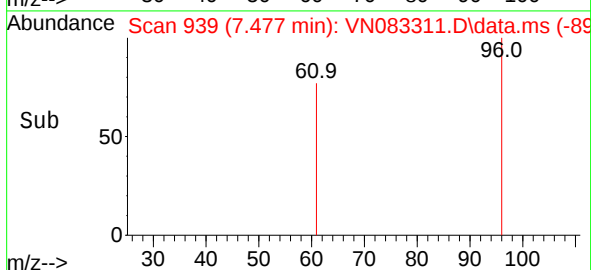
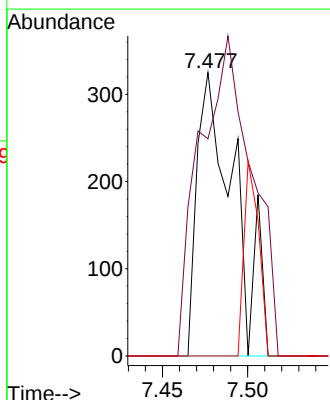
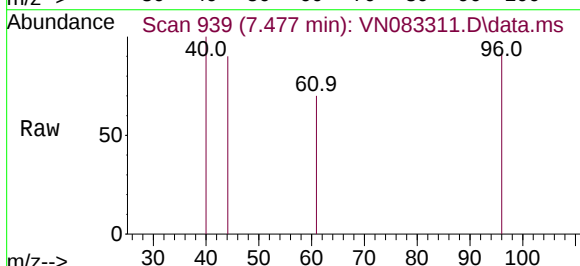
Tgt Ion: 96 Resp: 497

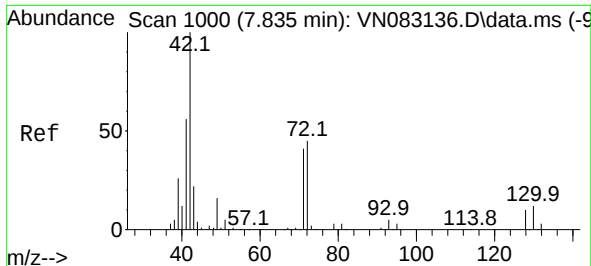
Ion Ratio Lower Upper

96 100

61 0.0 0.0 329.6

98 0.0 0.0 128.6





#29

Tetrahydrofuran

Concen: 9.926 ug/l

RT: 7.853 min Scan# 1

Delta R.T. 0.018 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

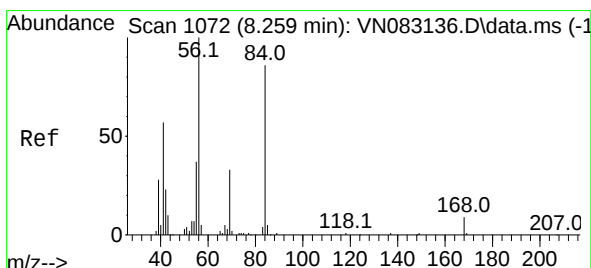
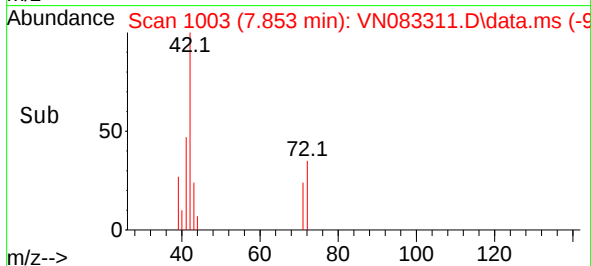
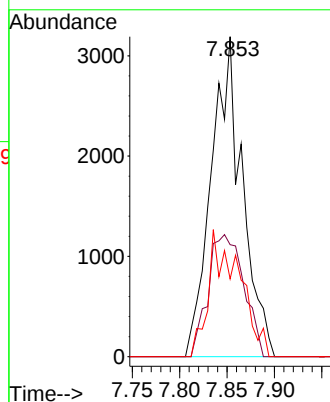
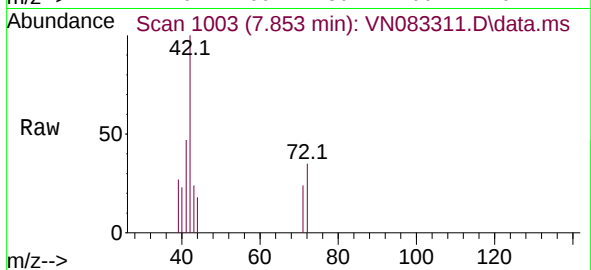
Tgt Ion: 42 Resp: 7284

Ion Ratio Lower Upper

42 100

72 43.8 30.0 45.0

71 39.5 28.3 42.5



#31

Cyclohexane

Concen: 1.266 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

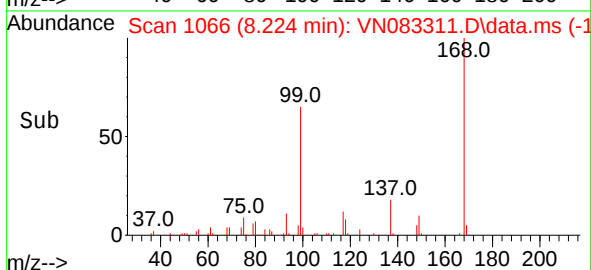
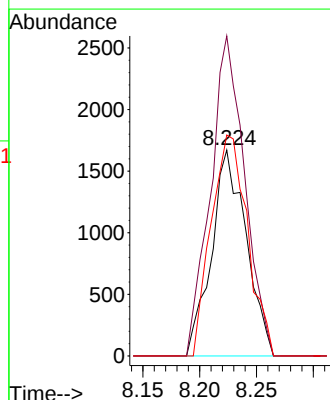
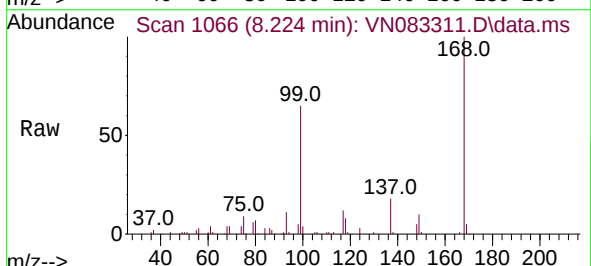
Tgt Ion: 56 Resp: 3544

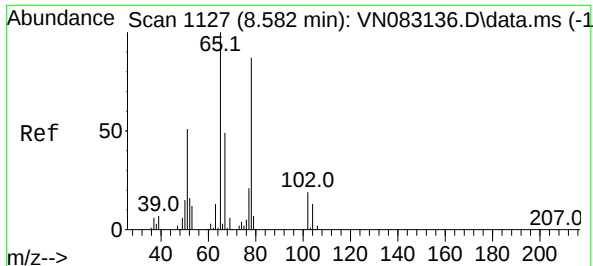
Ion Ratio Lower Upper

56 100

69 155.4 24.5 36.7#

84 107.3 66.0 99.0#

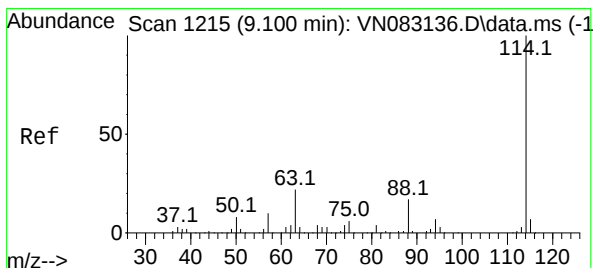
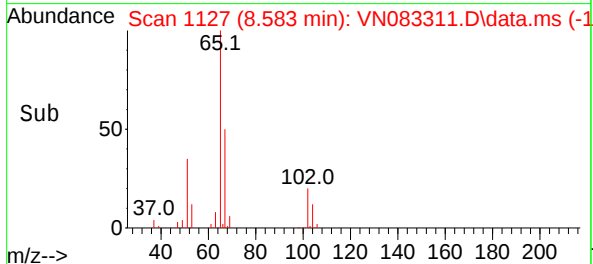
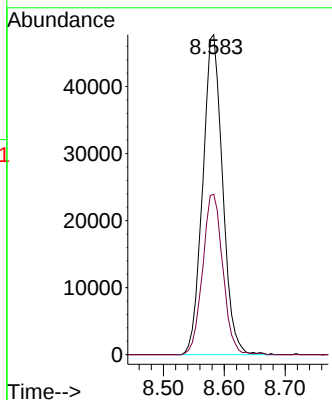
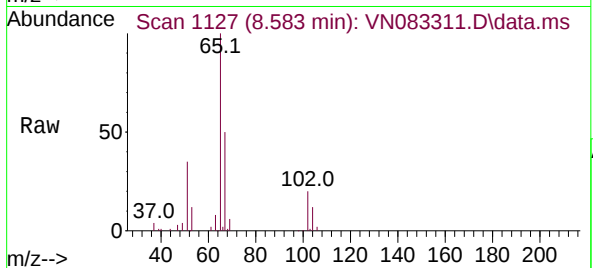




#33
1,2-Dichloroethane-d4
Concen: 57.287 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

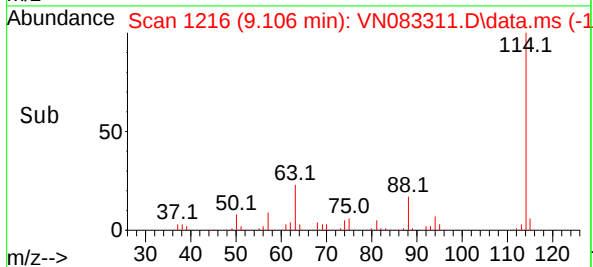
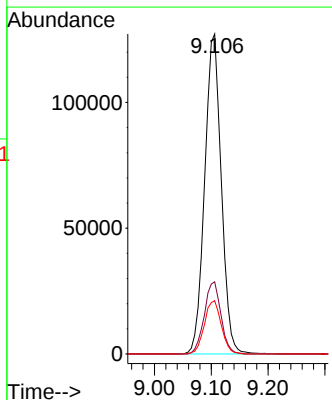
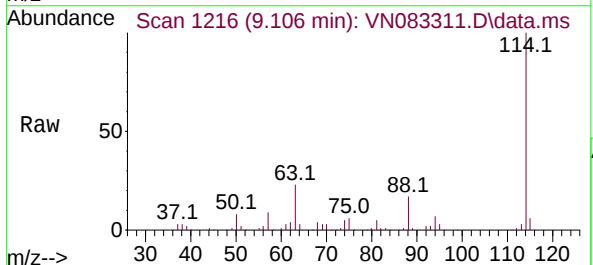
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MSVOA_N
ClientSampleId :

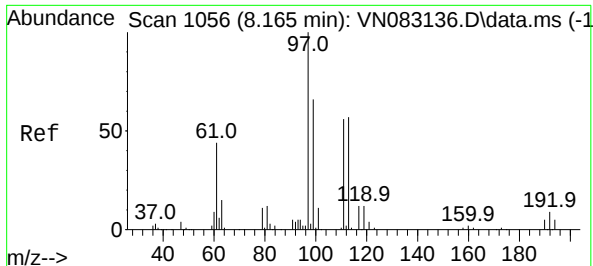
Tgt Ion: 65 Resp: 108236
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion: 114 Resp: 257654
Ion Ratio Lower Upper
114 100
63 22.6 0.0 44.6
88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.649 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

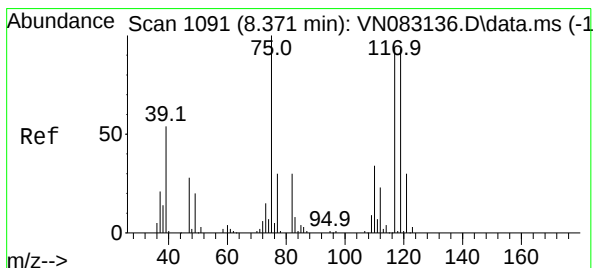
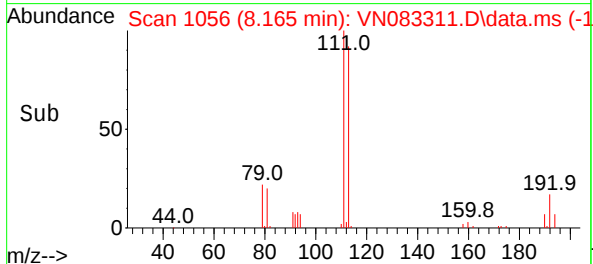
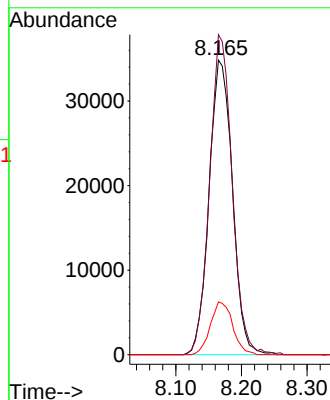
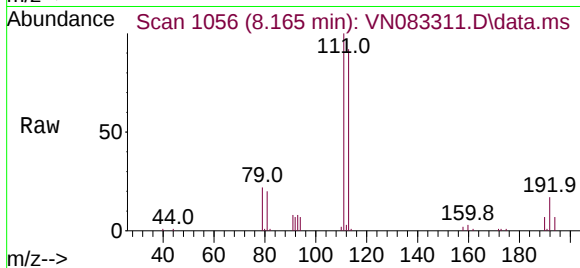
Tgt Ion:113 Resp: 86279

Ion Ratio Lower Upper

113 100

111 104.8 82.4 123.6

192 17.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.821 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

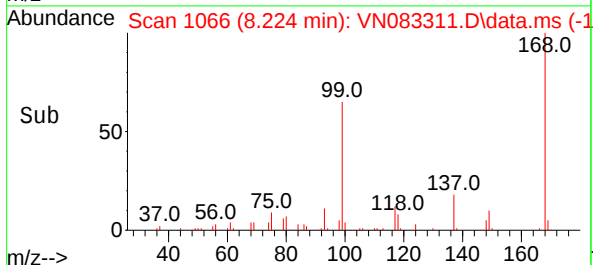
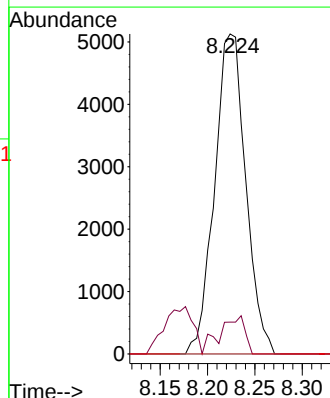
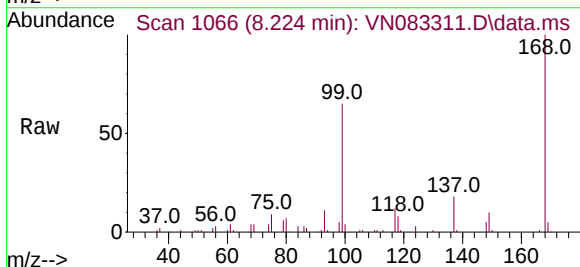
Tgt Ion: 75 Resp: 11729

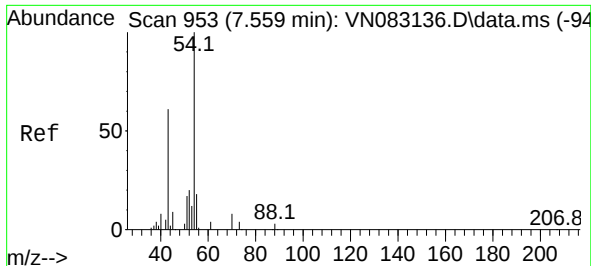
Ion Ratio Lower Upper

75 100

110 9.6 16.3 48.9#

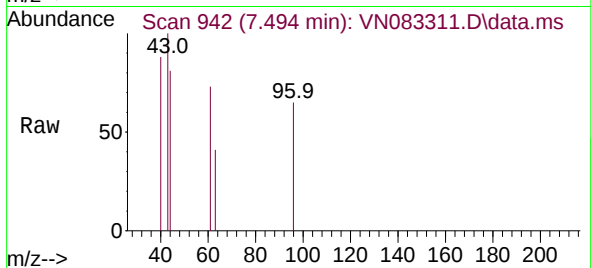
77 0.0 24.6 37.0#



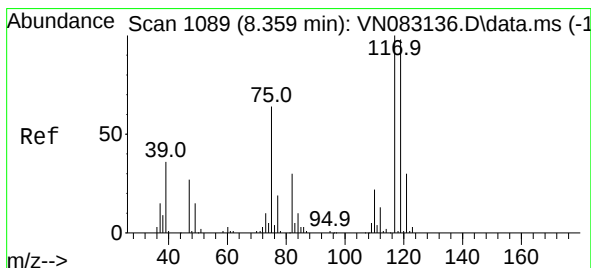
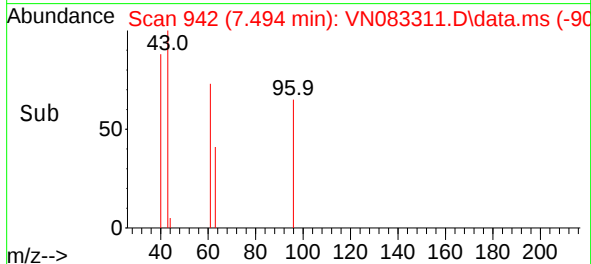
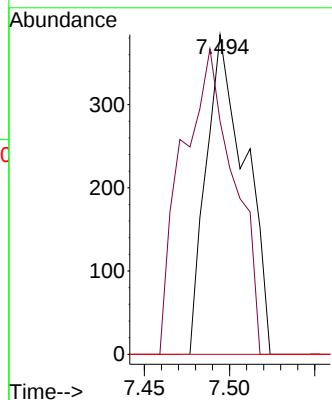


#37
Ethyl Acetate
Concen: 0.225 ug/l
RT: 7.494 min Scan# 941
Delta R.T. -0.065 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

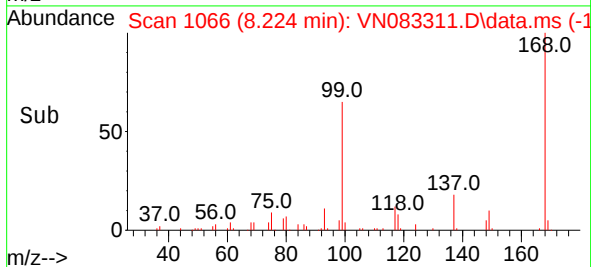
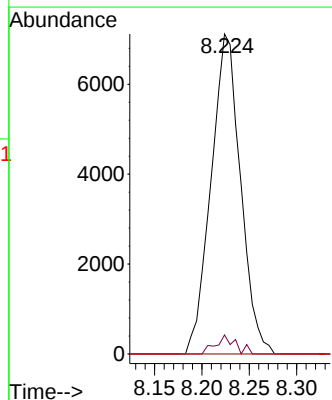
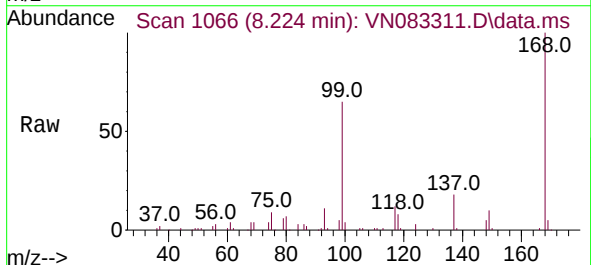


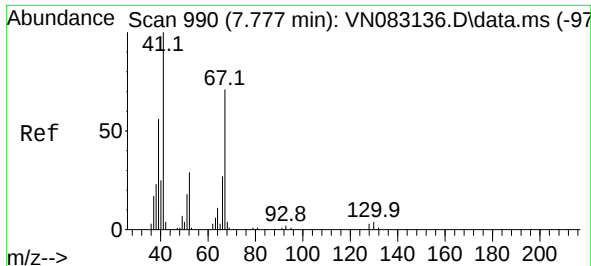
Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
61 126.8 9.3 13.9#
70 0.0 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

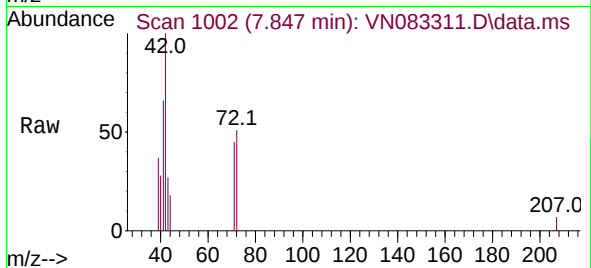
Tgt Ion: 117 Resp: 15411
Ion Ratio Lower Upper
117 100
119 6.0 74.9 112.3#
121 0.0 24.3 36.5#



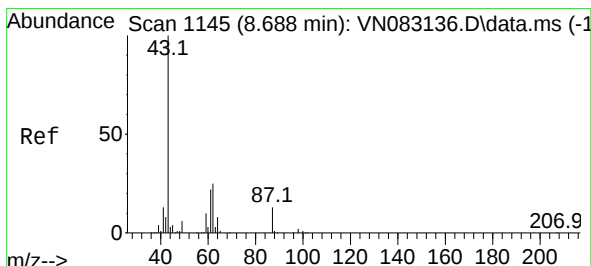
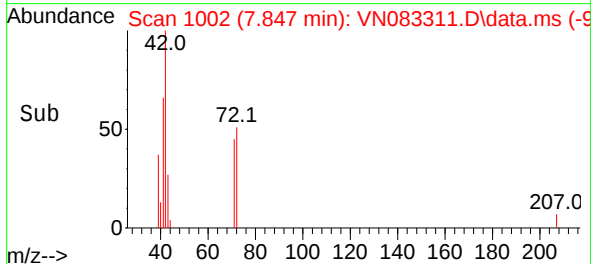
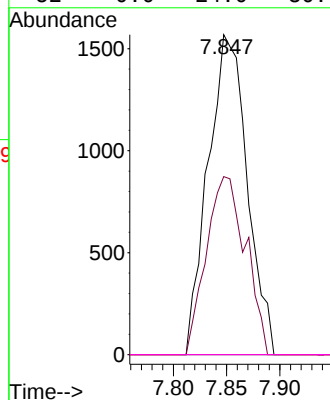


#41
Methacrylonitrile
Concen: 2.588 ug/l
RT: 7.847 min Scan# 1100
Delta R.T. 0.071 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

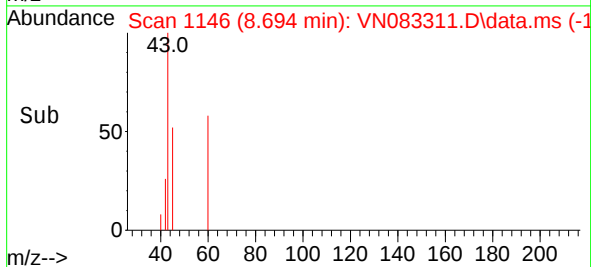
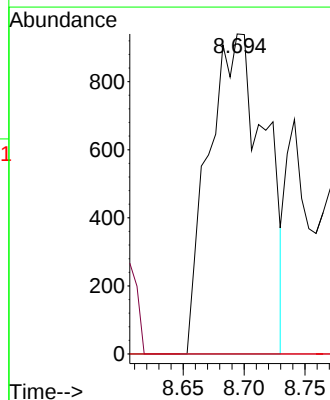
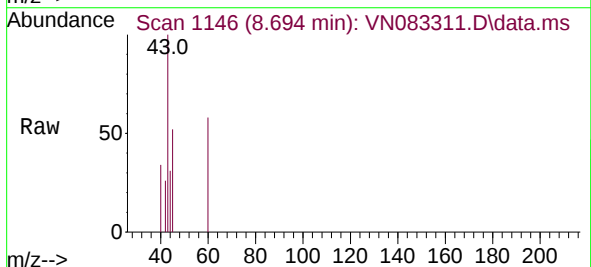


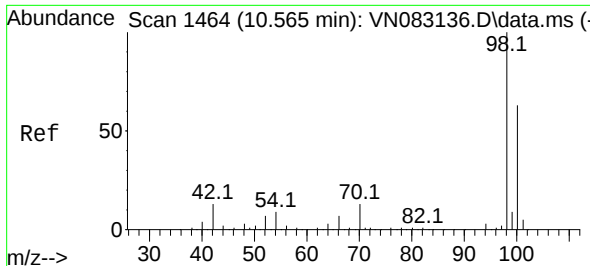
Tgt Ion:	41	Resp:	4008
Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.5	68.3
67	0.0	50.5	75.7#
52	0.0	24.0	36.0#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion:	43	Resp:	3047
Ion	Ratio	Lower	Upper
43	100		
61	0.0	17.8	26.6#
87	0.0	8.2	12.2#

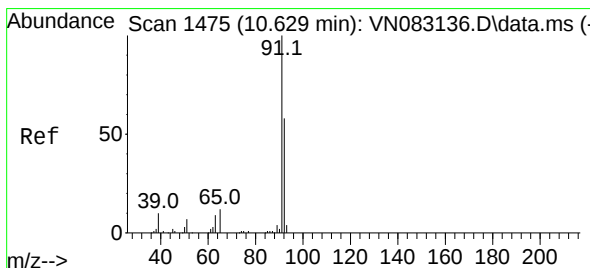
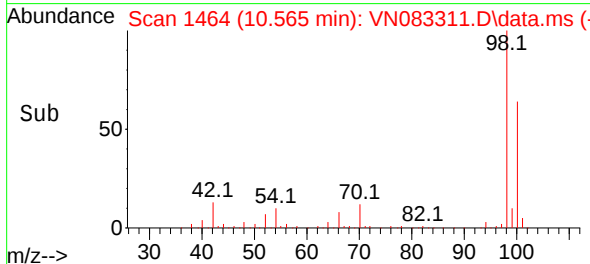
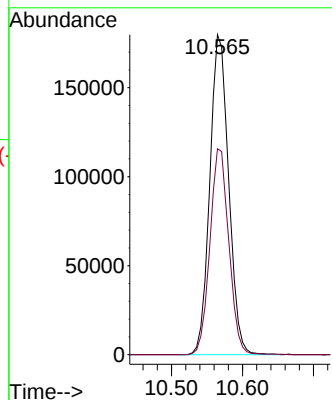
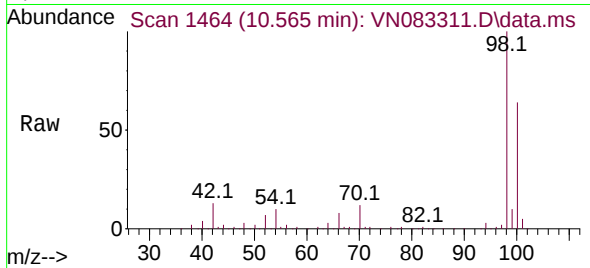




#50
Toluene-d8
Concen: 55.084 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

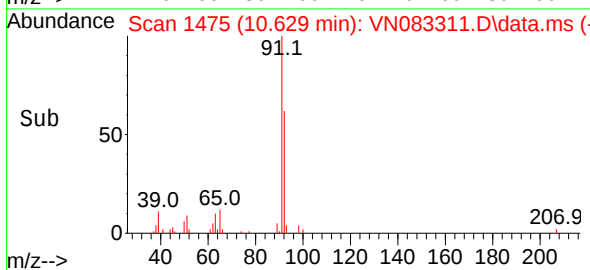
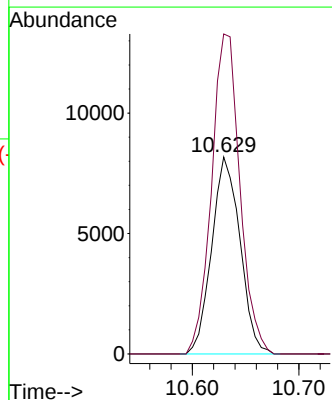
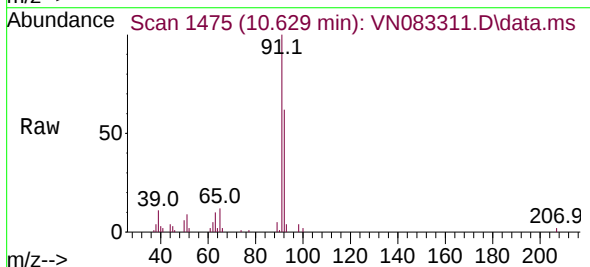
Instrument :
MSVOA_N
ClientSampleId :

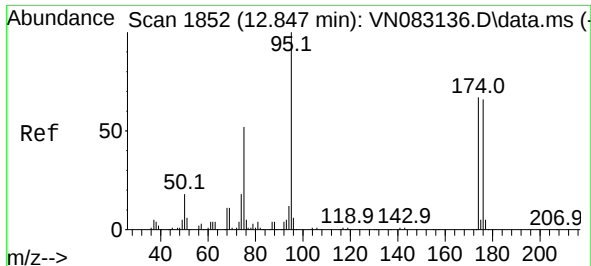
Tgt Ion: 98 Resp: 330454
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3



#52
Toluene
Concen: 3.293 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion: 92 Resp: 15081
Ion Ratio Lower Upper
92 100
91 162.9 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 58.256 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

Instrument :

MSVOA_N

ClientSampleId :

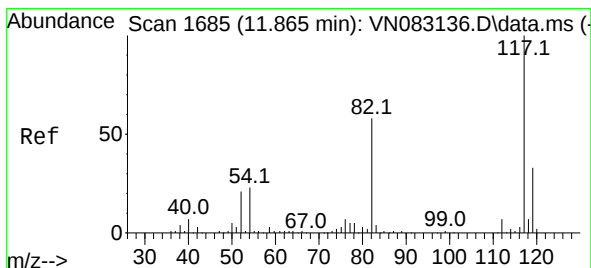
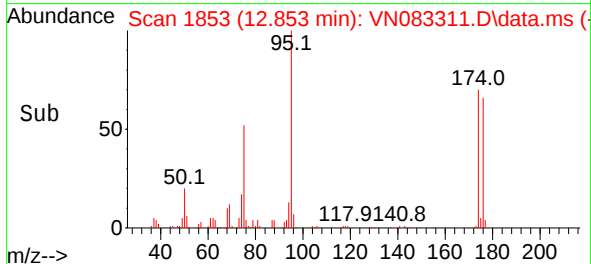
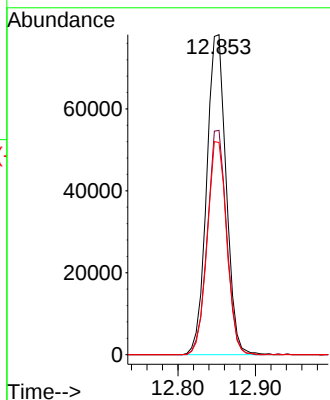
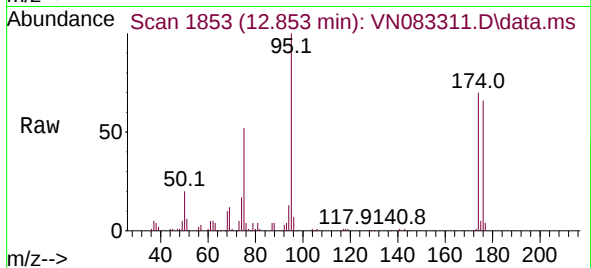
Tgt Ion: 95 Resp: 136247

Ion Ratio Lower Upper

95 100

174 69.3 0.0 159.2

176 66.7 0.0 147.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN083311.D

Acq: 14 Aug 2024 19:18

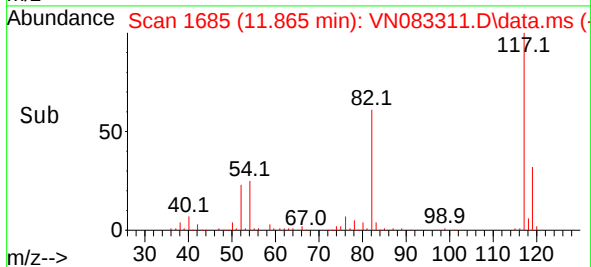
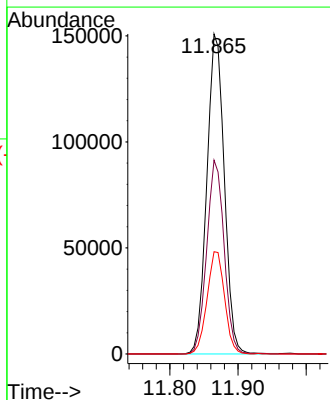
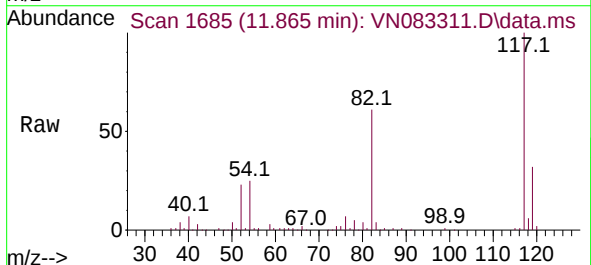
Tgt Ion: 117 Resp: 268755

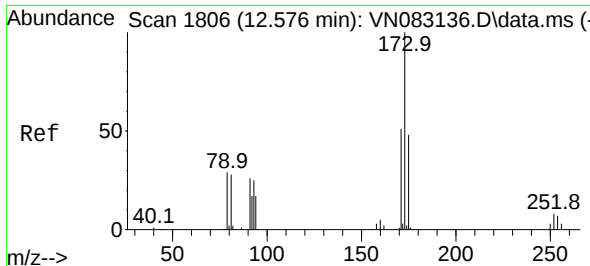
Ion Ratio Lower Upper

117 100

82 60.6 47.5 71.3

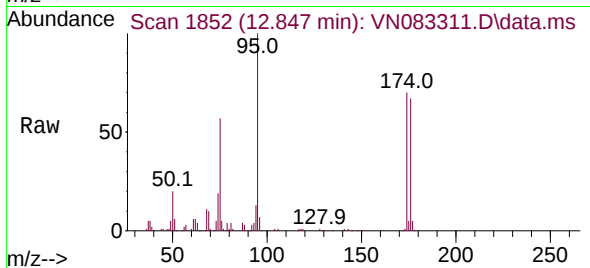
119 31.9 25.6 38.4



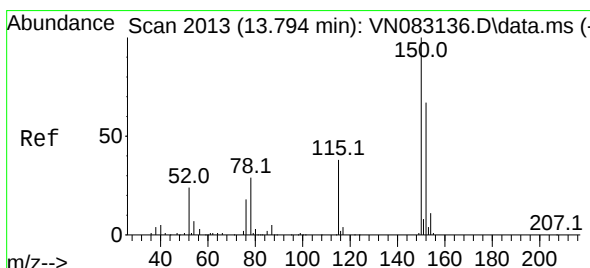
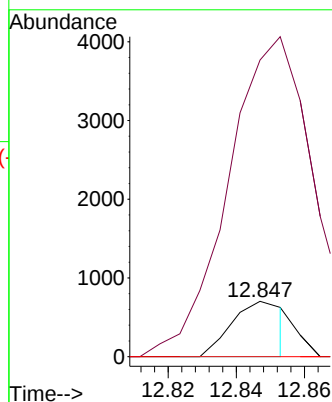
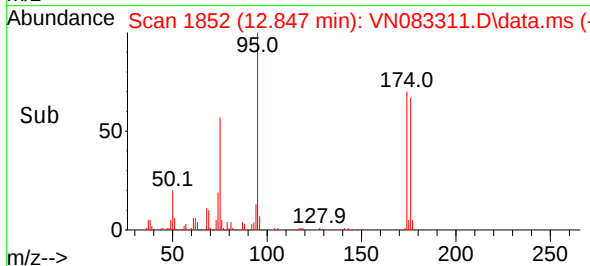


#71
Bromoform
Concen: 0.473 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

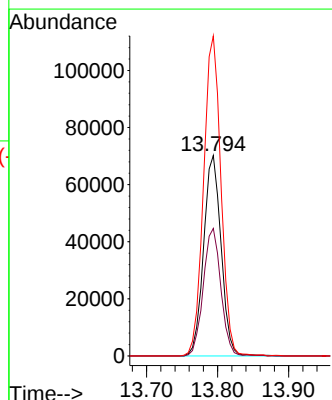
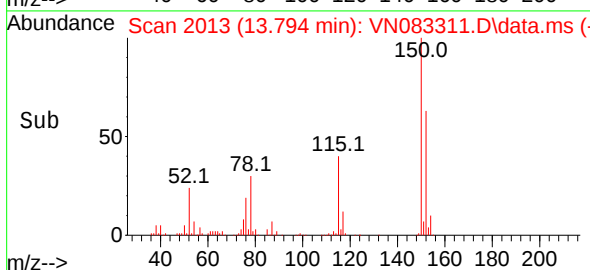
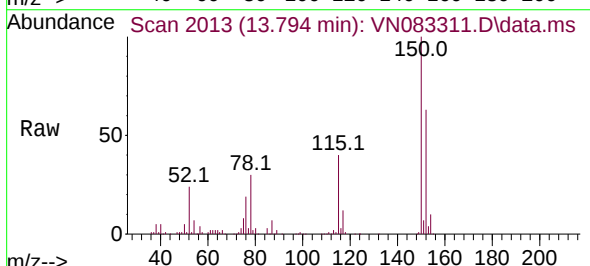


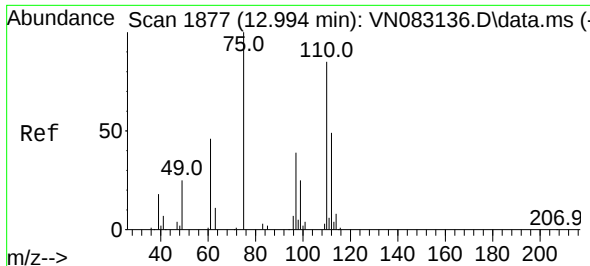
Tgt Ion:173 Resp: 751
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion:152 Resp: 120062
Ion Ratio Lower Upper
152 100
115 64.1 30.6 91.6
150 158.9 0.0 348.6

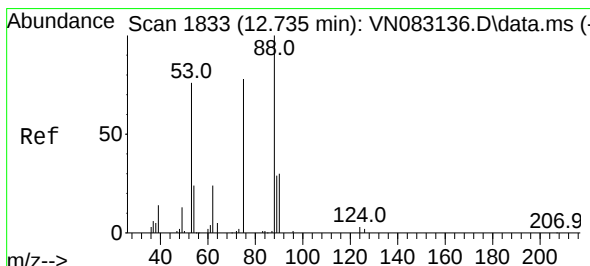
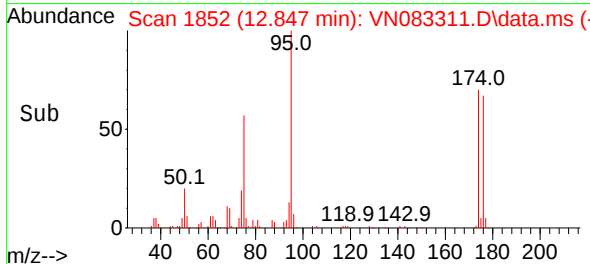
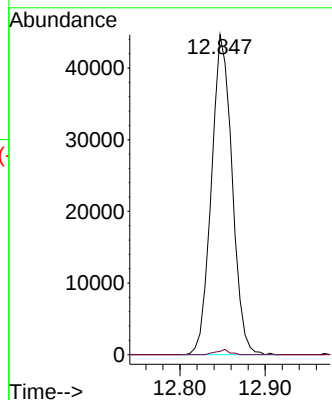
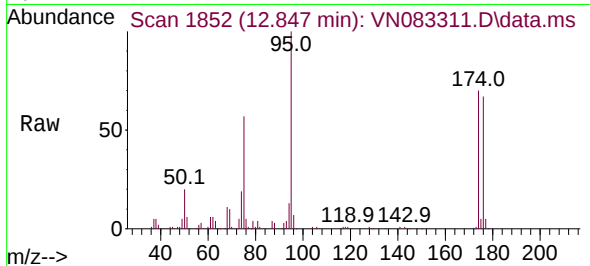




#76
1,2,3-Trichloropropane
Concen: 28.613 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 75397
Ion Ratio Lower Upper
75 100
77 1.0 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083311.D
Acq: 14 Aug 2024 19:18

Tgt Ion: 75 Resp: 75397
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

