

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083803.D
 Acq On : 11 Sep 2024 18:21
 Operator : JC\MD
 Sample : P3913-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 02:12:06 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)

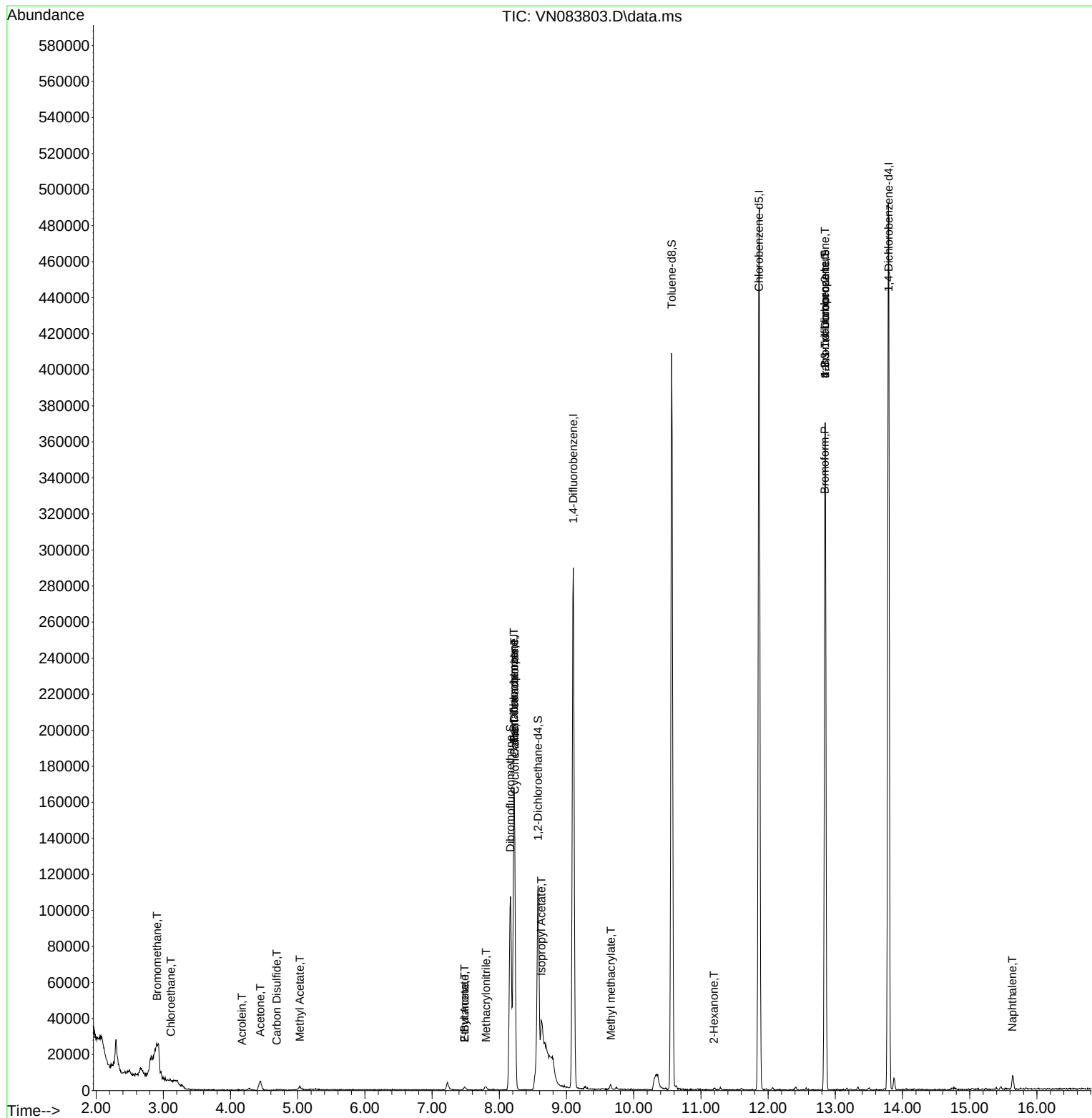
Internal Standards						
1) Pentafluorobenzene	8.218	168	112647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96074	56.562	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.165	113	74210	49.317	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	10.565	98	268140	51.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.847	95	125059	58.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	614	Below Cal	#	41
5) Bromomethane	2.906	94	369	0.448	ug/l #	67
6) Chloroethane	3.112	64	592	0.589	ug/l	98
13) Acrolein	4.171	56	127	0.566	ug/l #	13
16) Acetone	4.442	43	4041	5.935	ug/l	92
17) Carbon Disulfide	4.689	76	918	0.269	ug/l #	75
18) Methyl Acetate	5.030	43	3504	0.638	ug/l #	87
25) 2-Butanone	7.483	43	2912	3.254	ug/l	92
31) Cyclohexane	8.230	56	3136	1.277	ug/l #	54
36) 1,1-Dichloropropene	8.218	75	10852	4.791	ug/l #	51
37) Ethyl Acetate	7.483	43	2912	1.416	ug/l #	68
38) Carbon Tetrachloride	8.224	117	12614	4.909	ug/l #	17
41) Methacrylonitrile	7.800	41	389	0.320	ug/l #	23
43) Isopropyl Acetate	8.624	43	51510	13.827	ug/l #	58
48) Methyl methacrylate	9.659	41	657	0.372	ug/l #	39
59) 2-Hexanone	11.194	43	394	0.263	ug/l #	24
71) Bromoform	12.841	173	315	0.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70800	27.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70800	72.065	ug/l #	9
95) Naphthalene	15.635	128	7524	1.065	ug/l	98

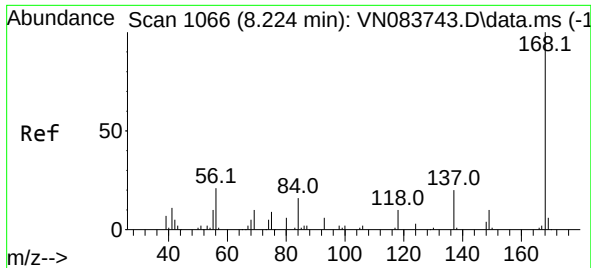
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Sep 12 02:12:06 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

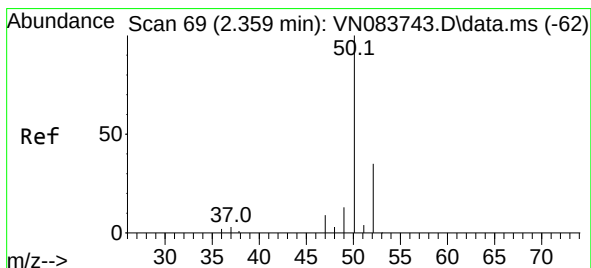
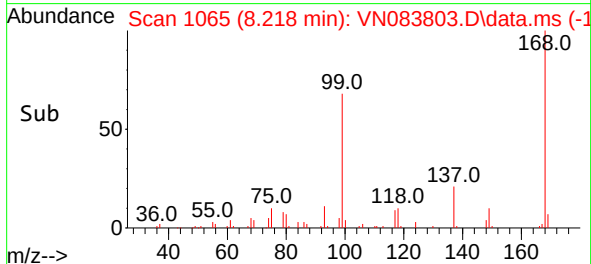
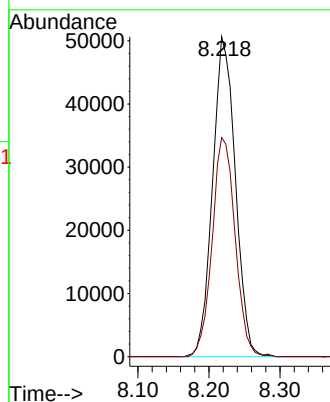
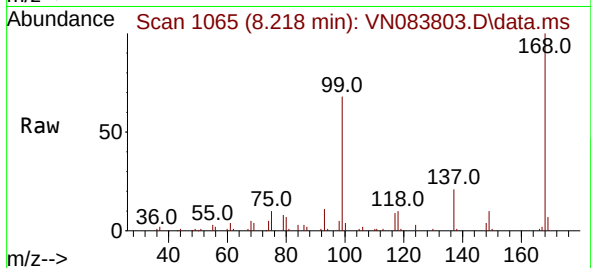




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

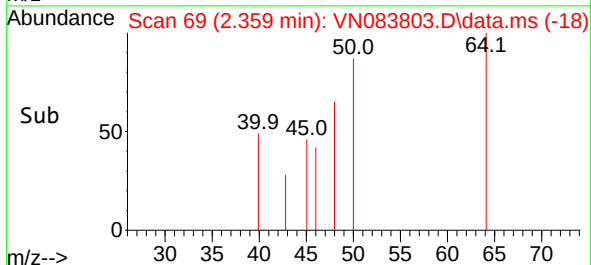
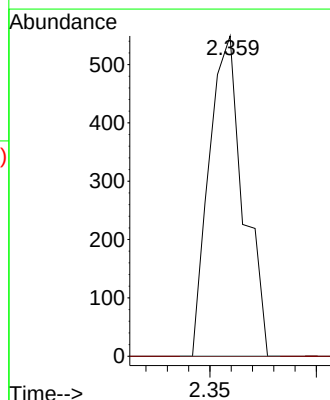
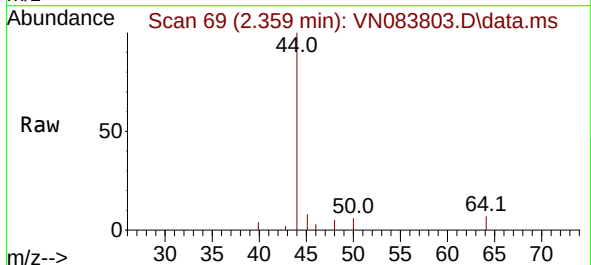
Instrument :
MSVOA_N
ClientSampleId :

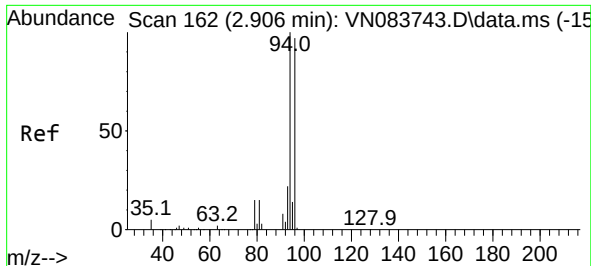
Tgt Ion:168 Resp: 112647
Ion Ratio Lower Upper
168 100
99 68.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

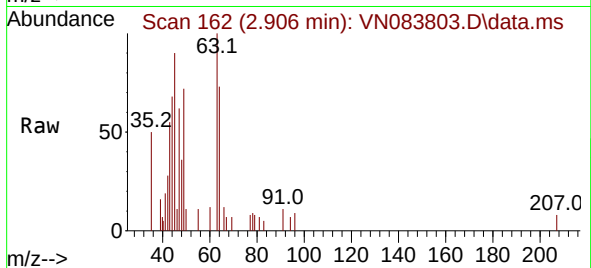
Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



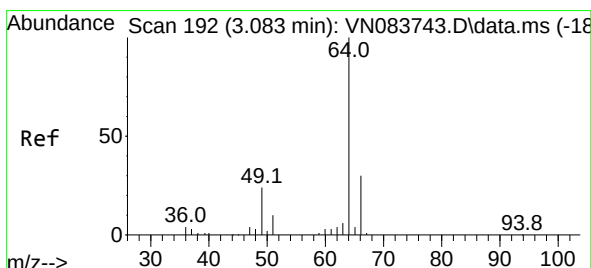
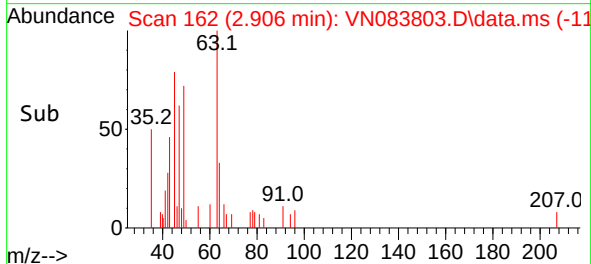
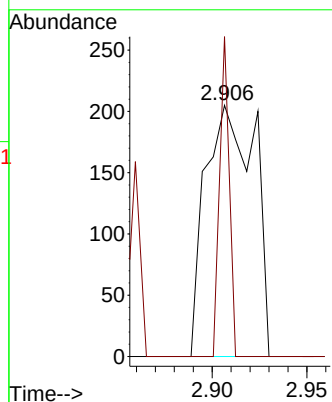


#5
Bromomethane
Concen: 0.448 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

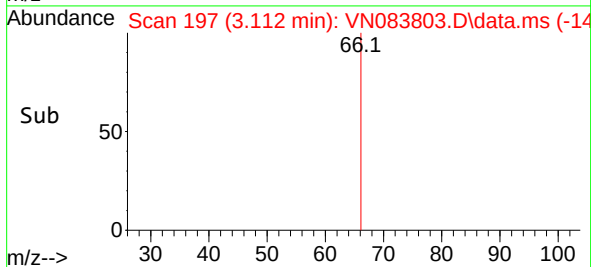
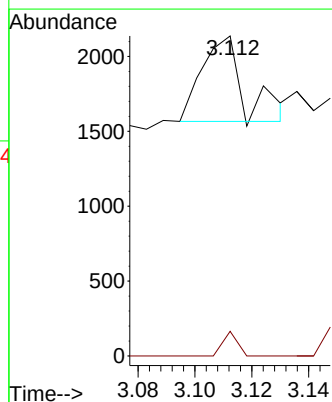
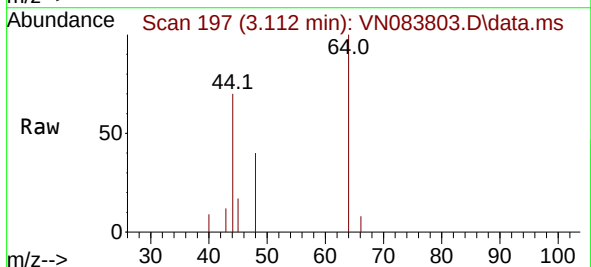


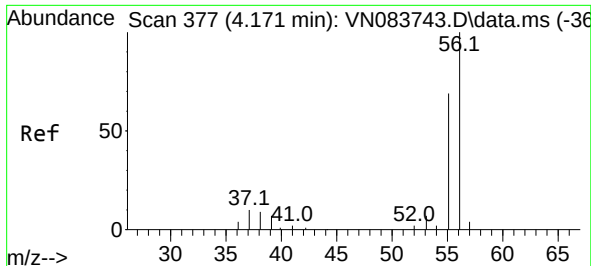
Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 127.3 76.0 114.0#



#6
Chloroethane
Concen: 0.589 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.029 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

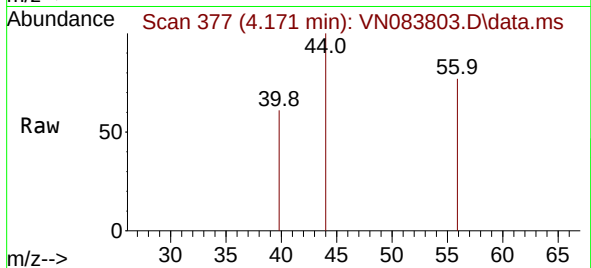
Tgt Ion: 64 Resp: 592
Ion Ratio Lower Upper
64 100
66 28.9 23.9 35.9



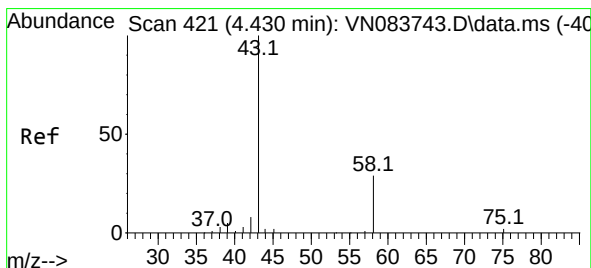
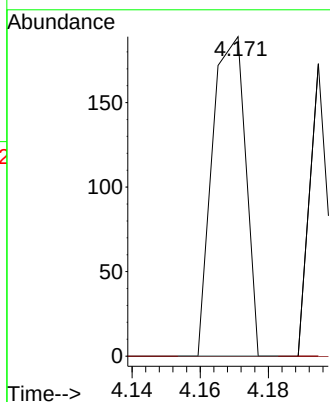
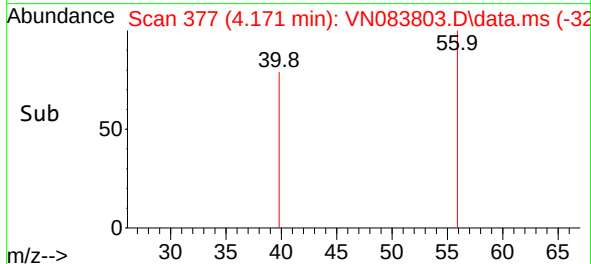


#13
Acrolein
Concen: 0.566 ug/l
RT: 4.171 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

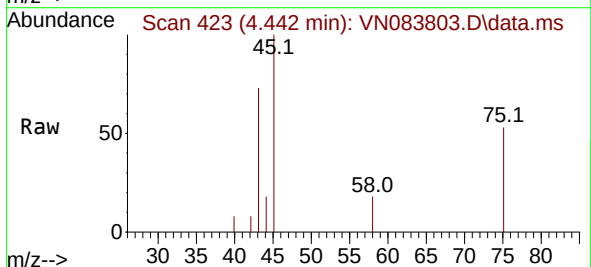
Instrument :
MSVOA_N
ClientSampleId :



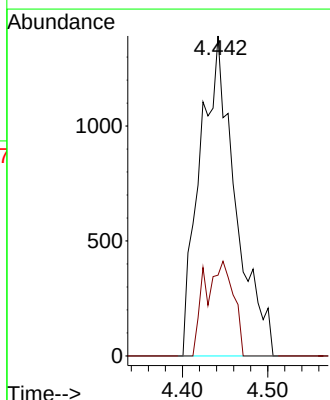
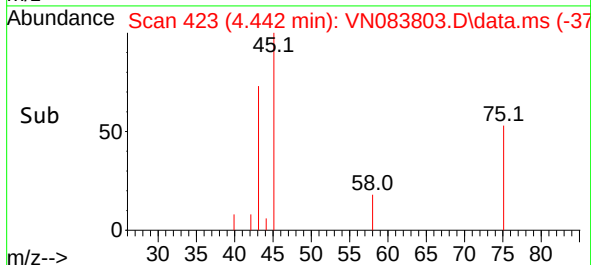
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#

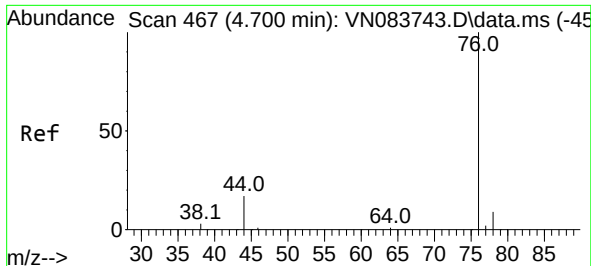


#16
Acetone
Concen: 5.935 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21



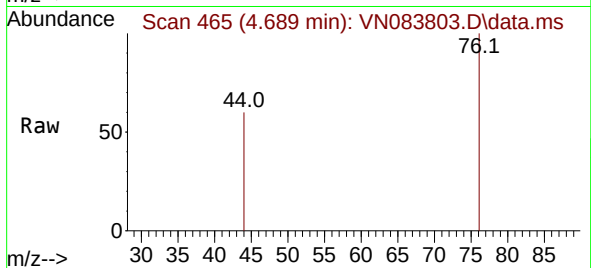
Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 25.2 23.7 35.5



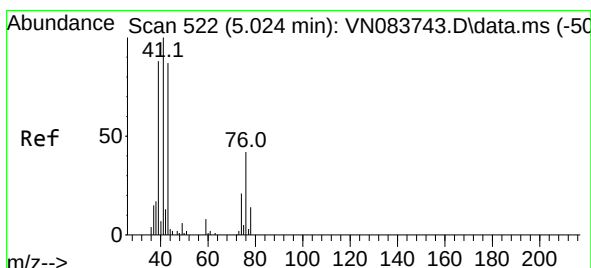
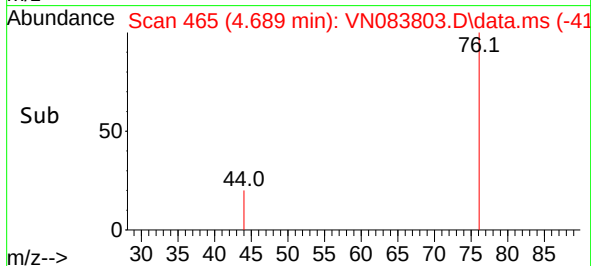
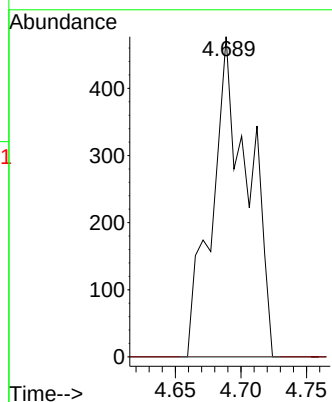


#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.012 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

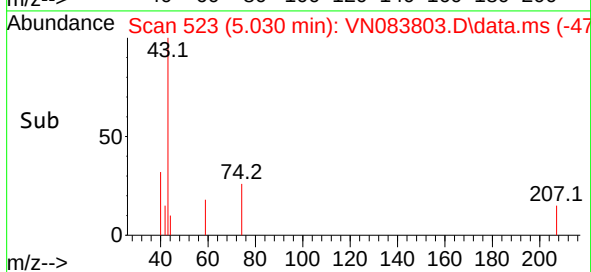
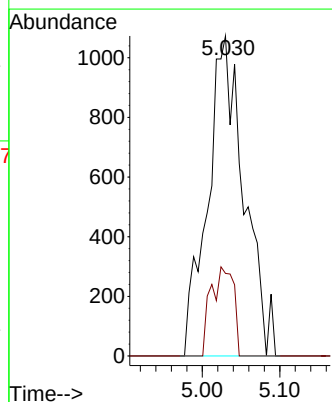
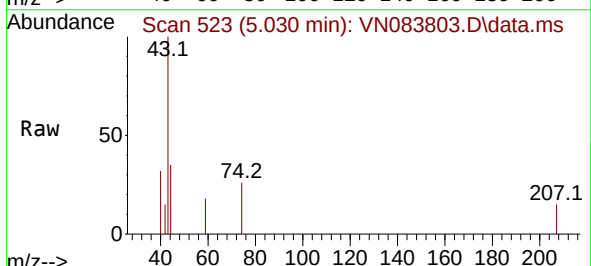


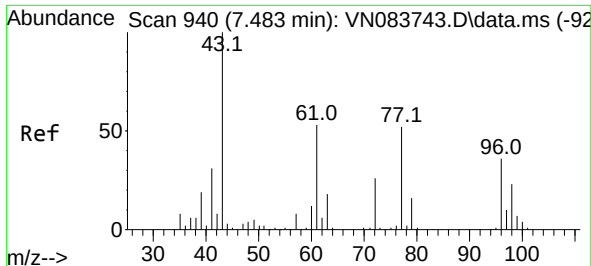
Tgt Ion: 76 Resp: 918
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
74 17.3 19.0 28.4#

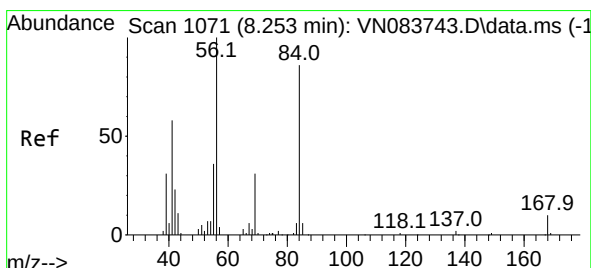
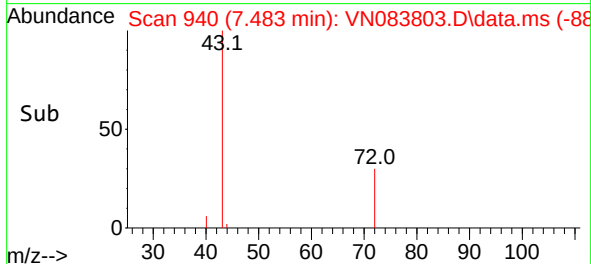
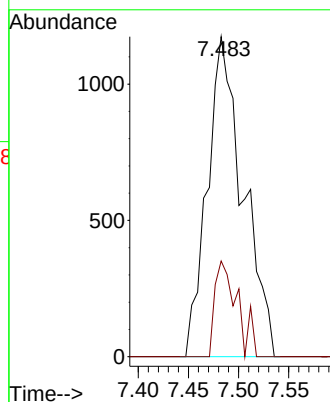
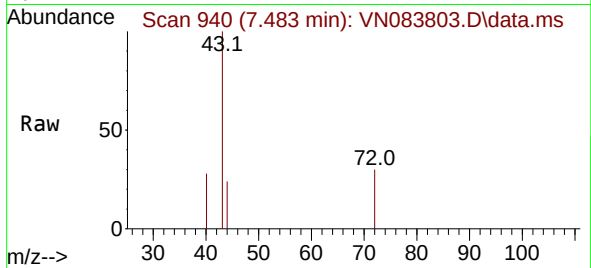




#25
2-Butanone
Concen: 3.254 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

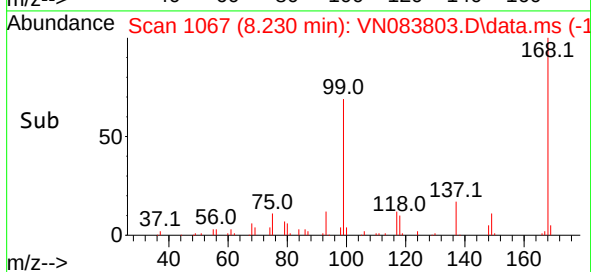
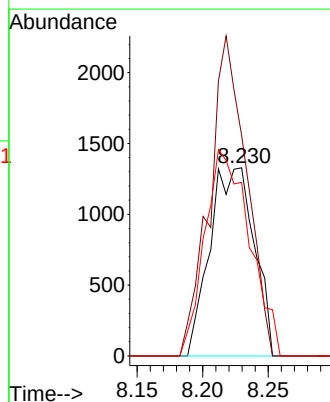
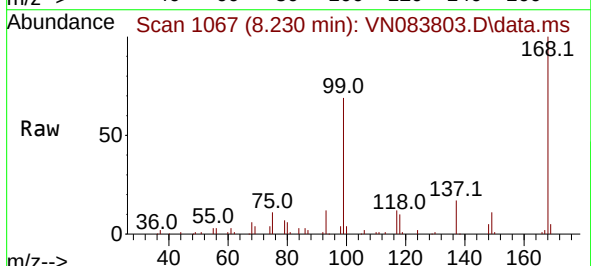
Instrument :
MSVOA_N
ClientSampleId :

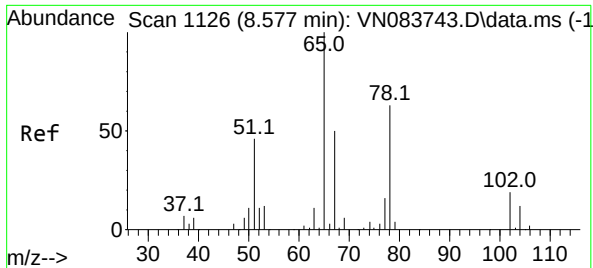
Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
72 29.9 20.8 31.2



#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 117.2 26.9 40.3#
84 92.2 69.2 103.8

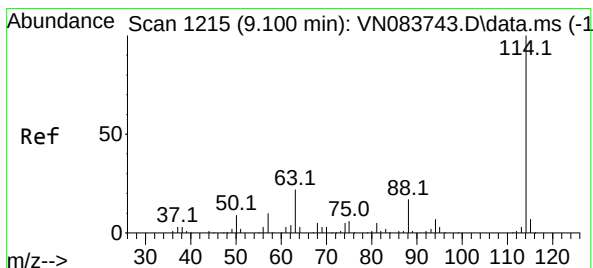
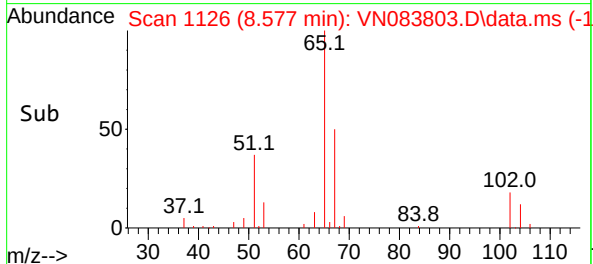
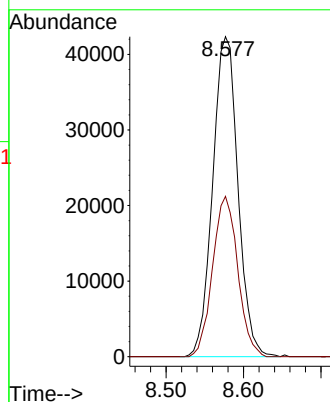
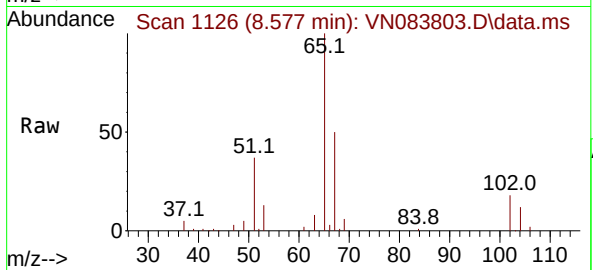




#33
1,2-Dichloroethane-d4
Concen: 56.562 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

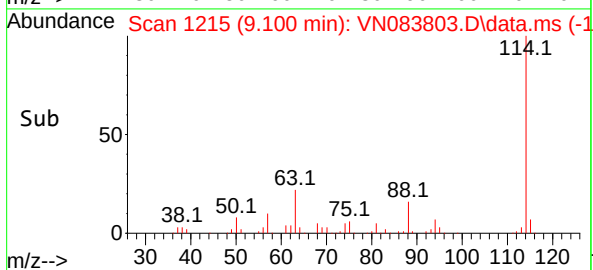
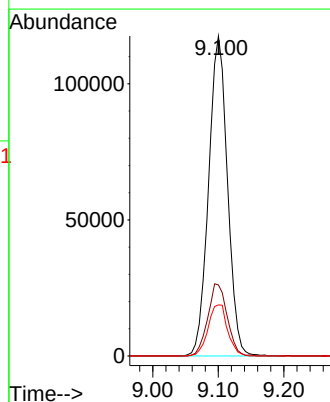
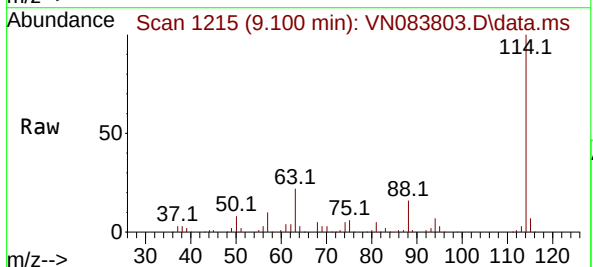
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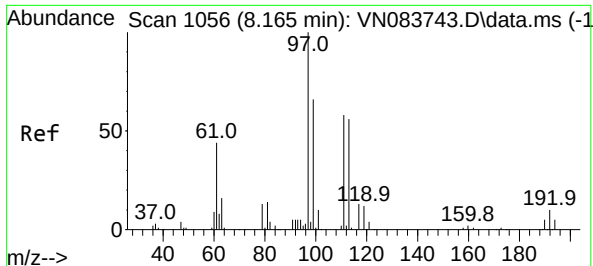
Tgt Ion: 65 Resp: 96074
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion: 114 Resp: 235049
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.4
88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.317 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083803.D

Acq: 11 Sep 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

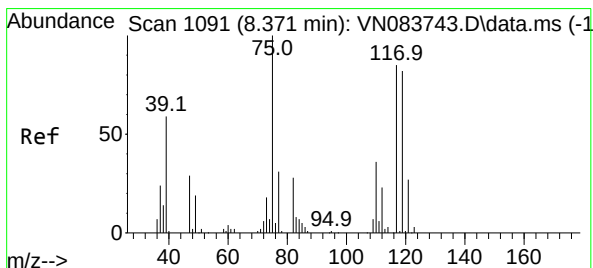
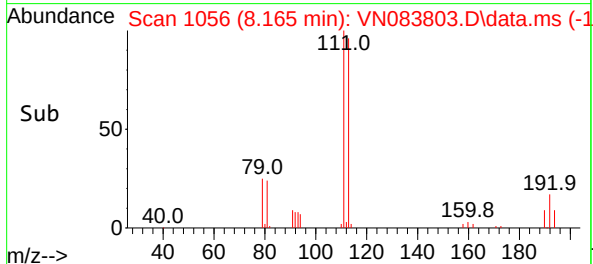
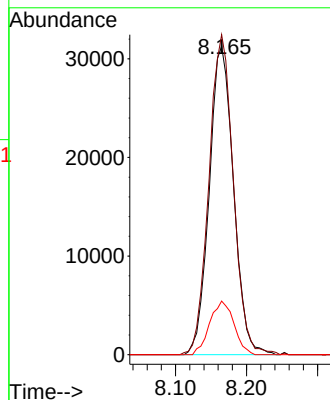
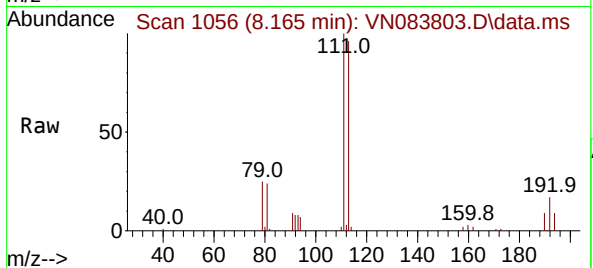
Tgt Ion:113 Resp: 74210

Ion Ratio Lower Upper

113 100

111 104.5 82.6 124.0

192 17.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.791 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083803.D

Acq: 11 Sep 2024 18:21

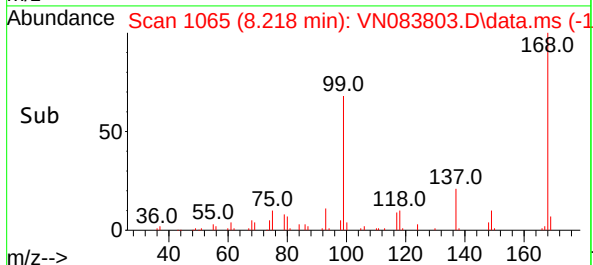
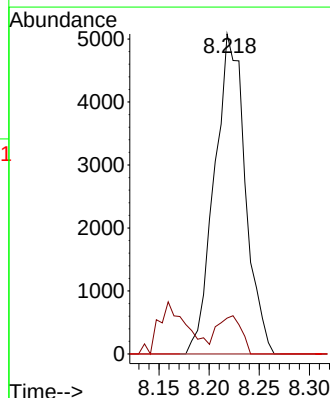
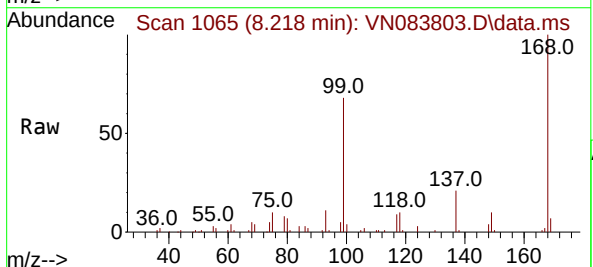
Tgt Ion: 75 Resp: 10852

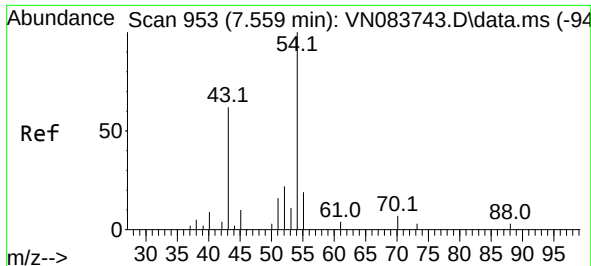
Ion Ratio Lower Upper

75 100

110 9.3 16.7 50.1#

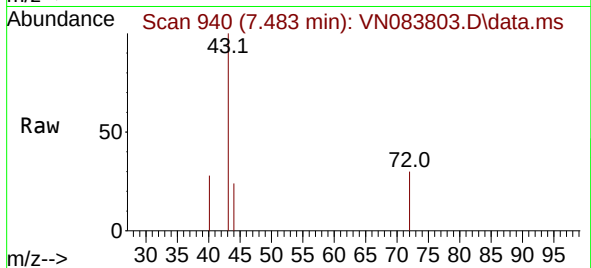
77 0.0 25.2 37.8#



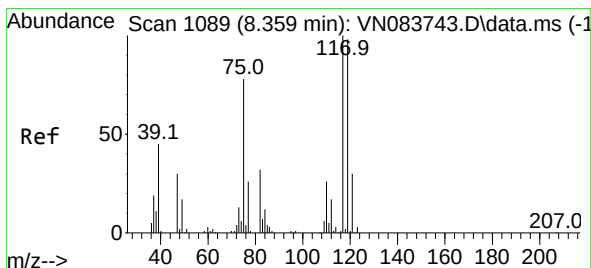
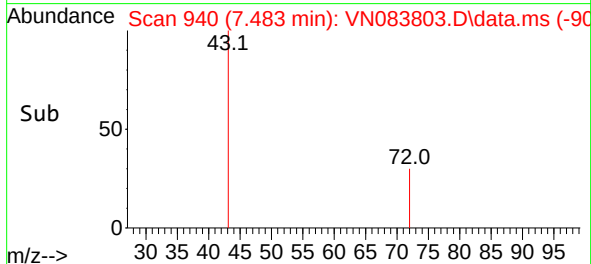
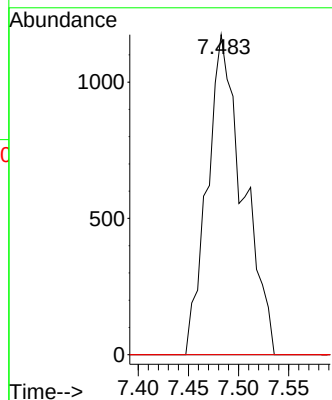


#37
Ethyl Acetate
Concen: 1.416 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.076 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

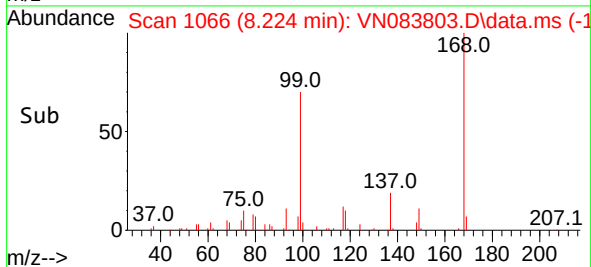
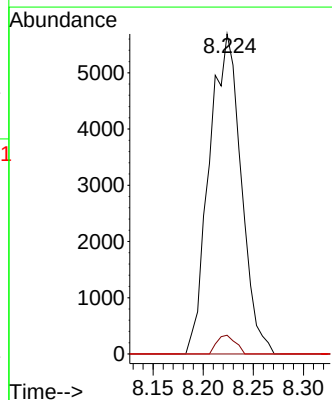
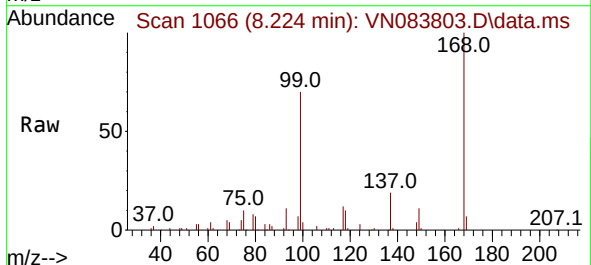


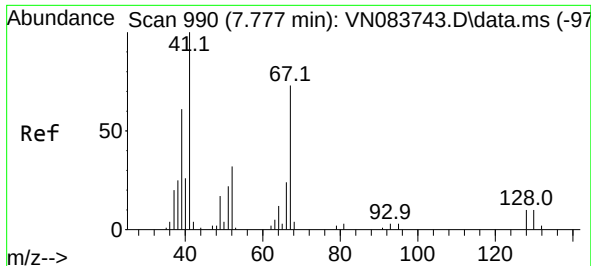
Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.909 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

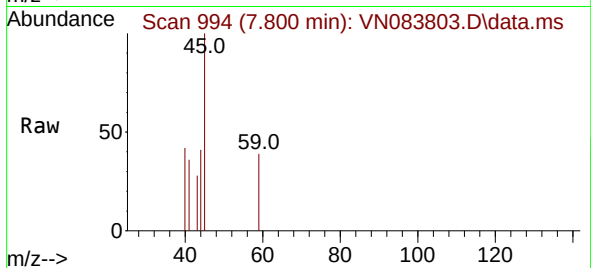
Tgt Ion: 117 Resp: 12614
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.1 36.1#



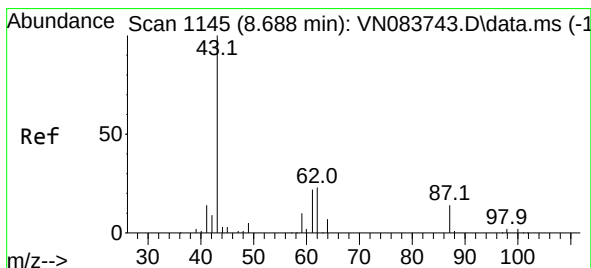
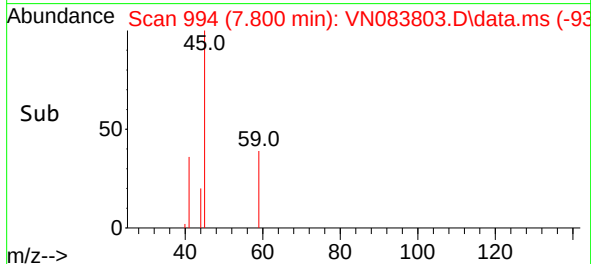
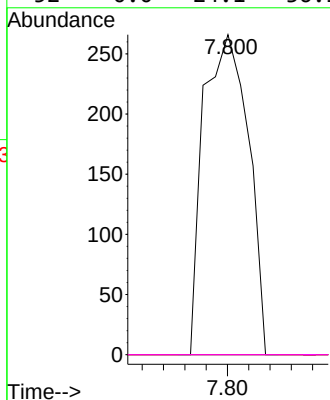


#41
Methacrylonitrile
Concen: 0.320 ug/l
RT: 7.800 min Scan# 990
Delta R.T. 0.024 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

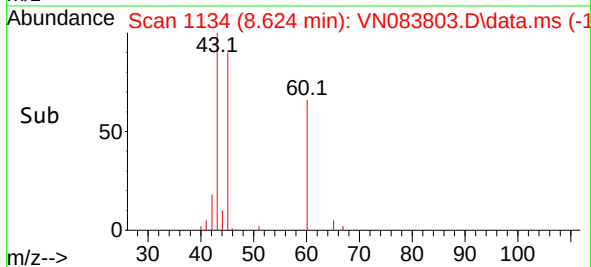
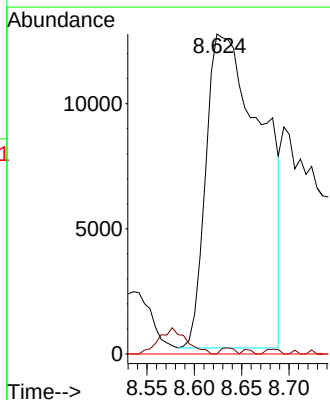
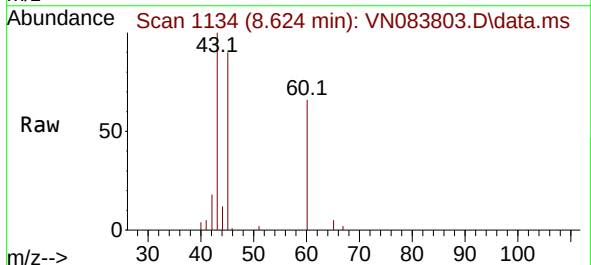


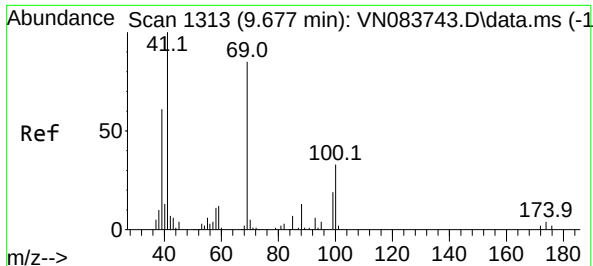
Tgt Ion:	41	Resp:	389
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.2#
67	0.0	55.9	83.9#
52	0.0	24.1	36.1#



#43
Isopropyl Acetate
Concen: 13.827 ug/l
RT: 8.624 min Scan# 1134
Delta R.T. -0.065 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion:	43	Resp:	51510
Ion	Ratio	Lower	Upper
43	100		
61	0.5	19.4	29.0#
87	0.0	9.8	14.6#





#48

Methyl methacrylate

Concen: 0.372 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN083803.D

Acq: 11 Sep 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

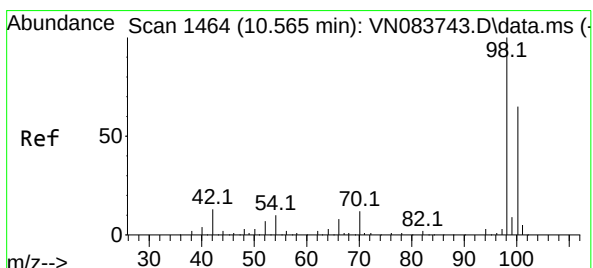
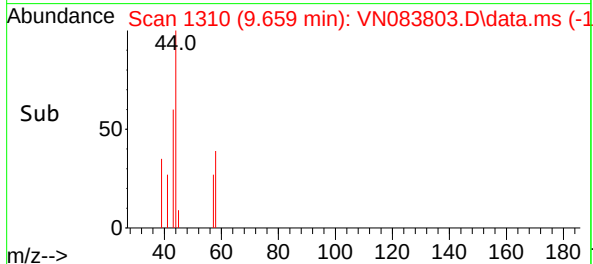
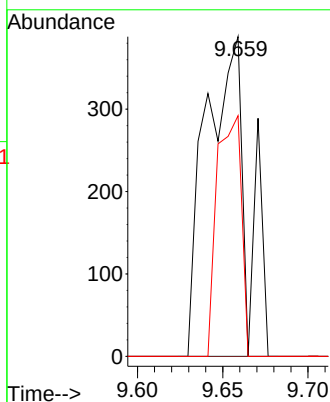
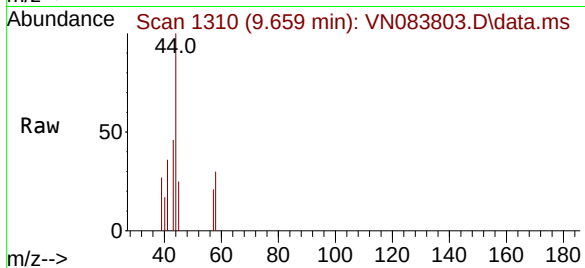
Tgt Ion: 41 Resp: 657

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 43.8 48.9 73.3#



#50

Toluene-d8

Concen: 51.545 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083803.D

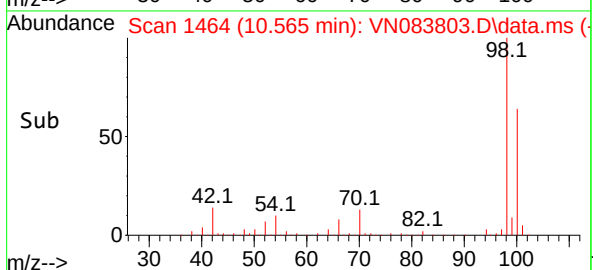
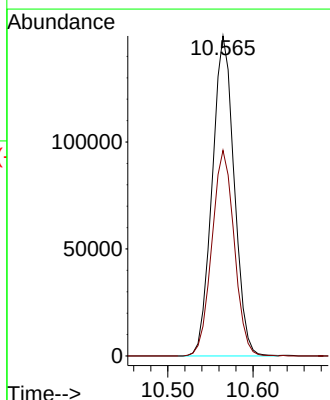
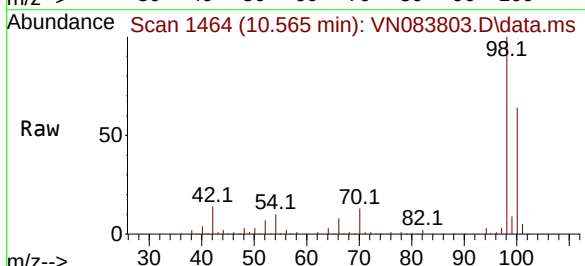
Acq: 11 Sep 2024 18:21

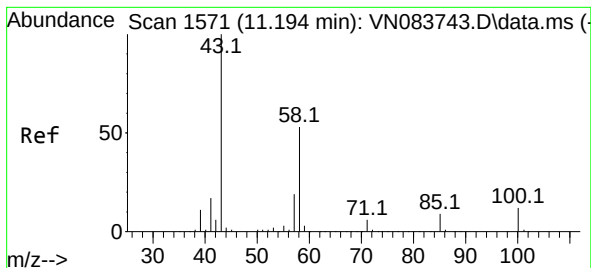
Tgt Ion: 98 Resp: 268140

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

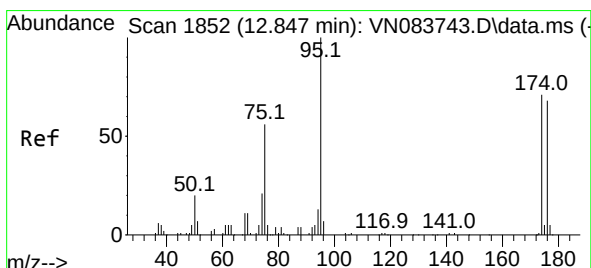
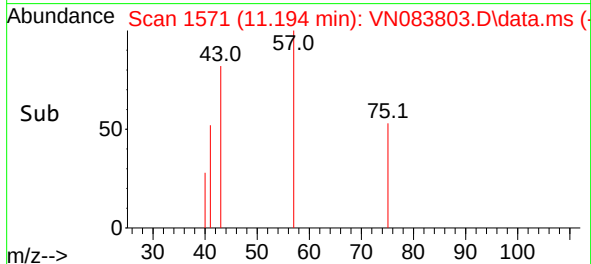
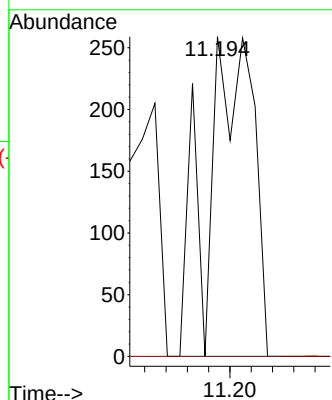
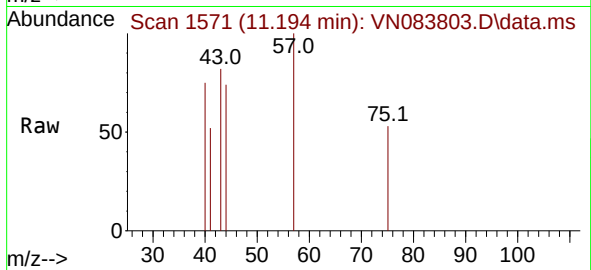




#59
2-Hexanone
Concen: 0.263 ug/l
RT: 11.194 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

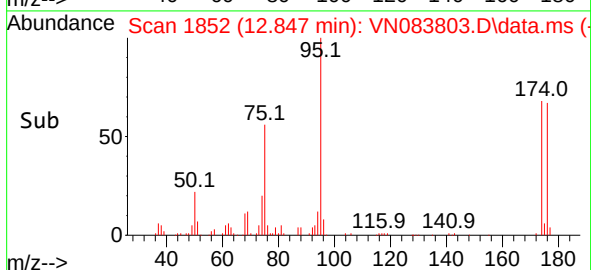
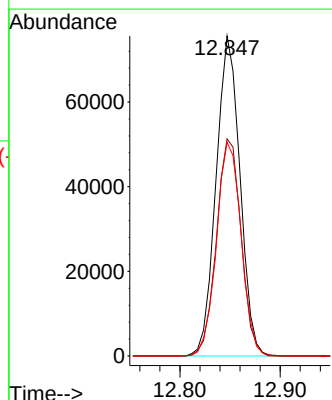
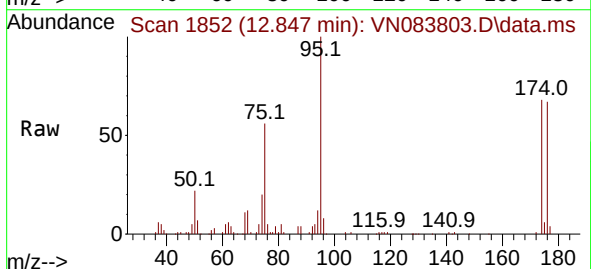
Instrument :
MSVOA_N
ClientSampleId :

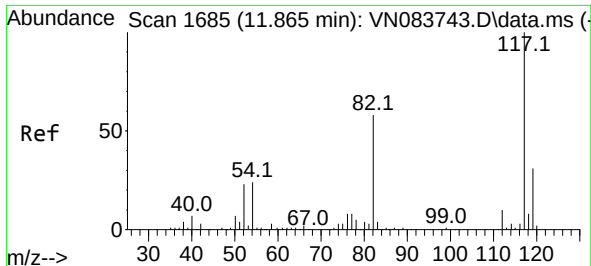
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 58.269 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion: 95 Resp: 125059
Ion Ratio Lower Upper
95 100
174 69.9 0.0 139.8
176 68.7 0.0 131.4

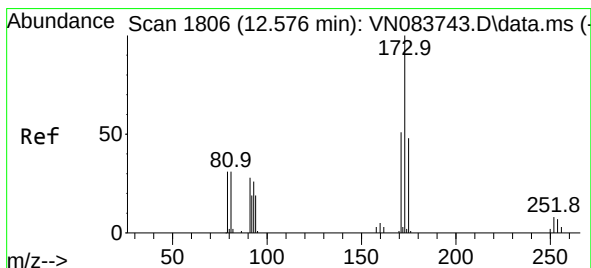
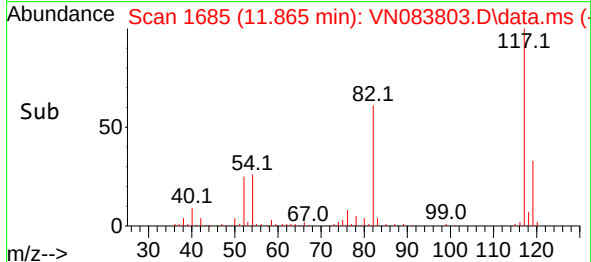
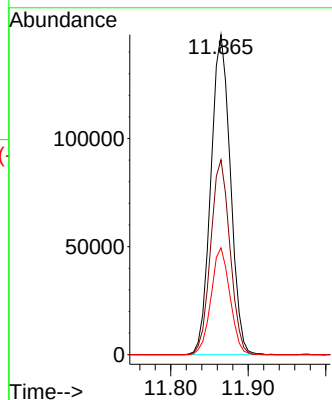
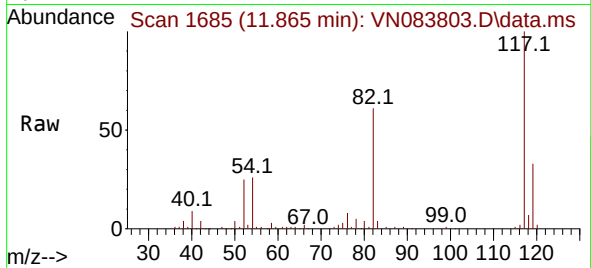




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

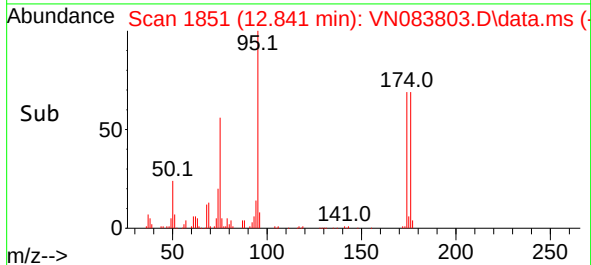
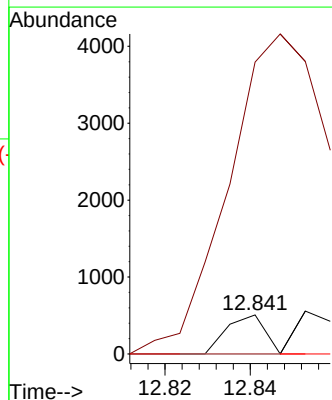
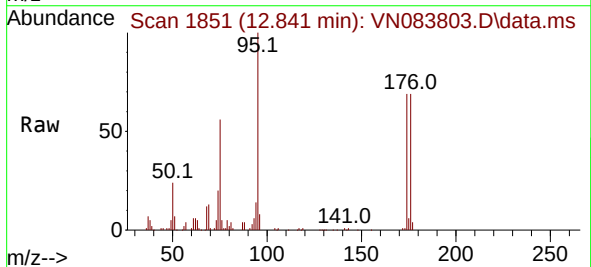
Instrument :
MSVOA_N
ClientSampleId :

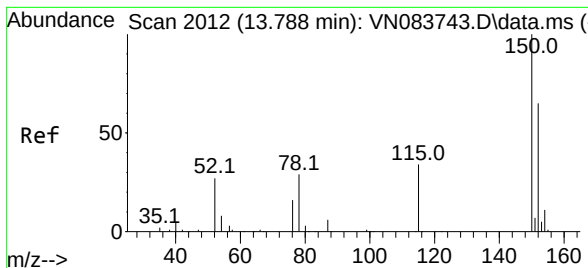
Tgt Ion:117 Resp: 259186
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.0
119 33.4 26.3 39.5



#71
Bromoform
Concen: 0.234 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

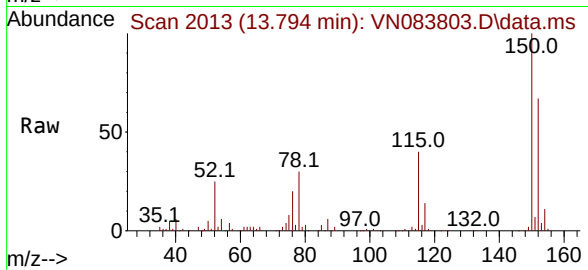
Tgt Ion:173 Resp: 315
Ion Ratio Lower Upper
173 100
175 1748.6 24.1 72.2#
254 0.0 0.0 0.0



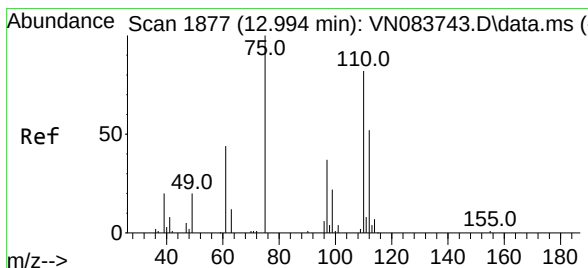
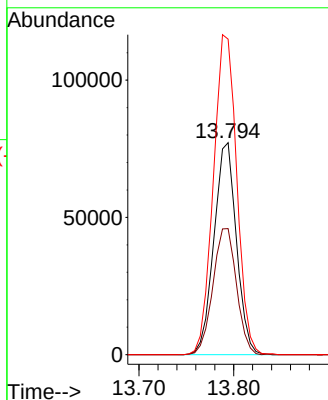
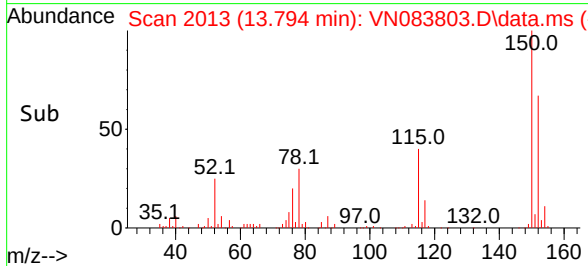


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

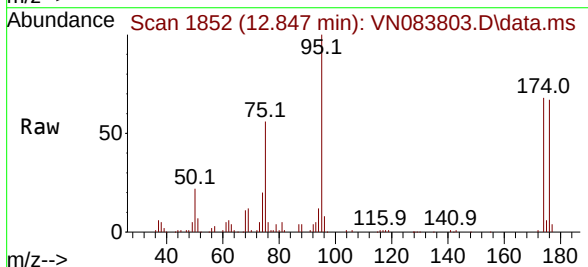
Instrument :
MSVOA_N
ClientSampleId :



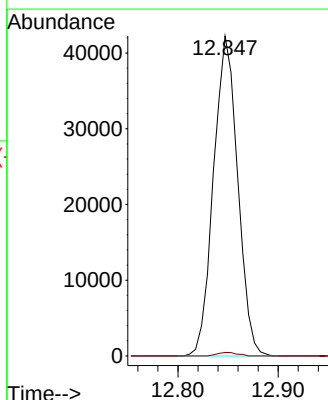
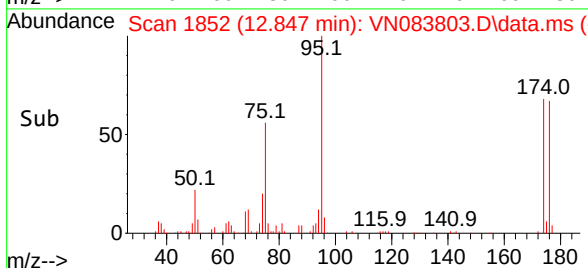
Tgt Ion:152 Resp: 127520
Ion Ratio Lower Upper
152 100
115 62.3 32.2 96.6
150 156.9 0.0 348.6

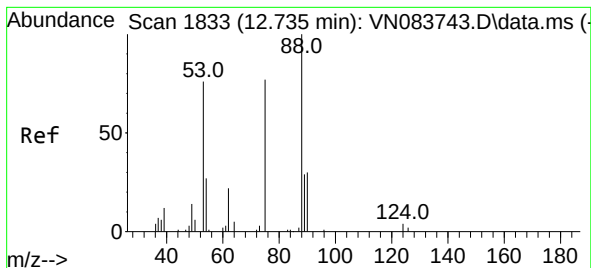


#76
1,2,3-Trichloropropane
Concen: 27.515 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21



Tgt Ion: 75 Resp: 70800
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#

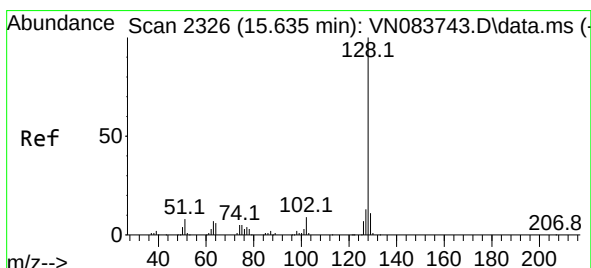
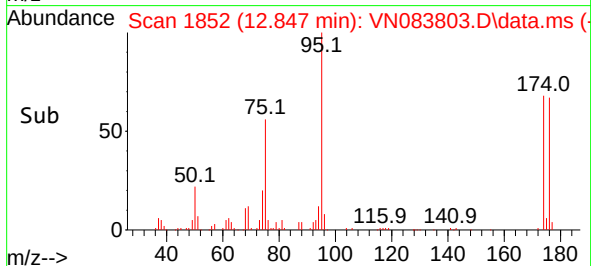
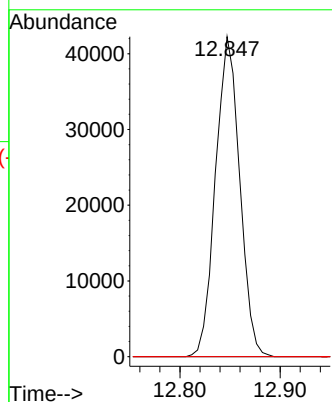
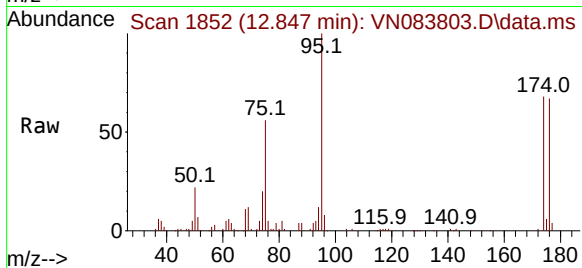




#81
trans-1,4-Dichloro-2-butene
Concen: 72.065 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70800
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#95
Naphthalene
Concen: 1.065 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN083803.D
Acq: 11 Sep 2024 18:21

Tgt Ion:128 Resp: 7524
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 11.7 8.7 13.1

