

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083859.D
 Acq On : 13 Sep 2024 07:24
 Operator : JC\MD
 Sample : P3957-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 08:24:06 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)

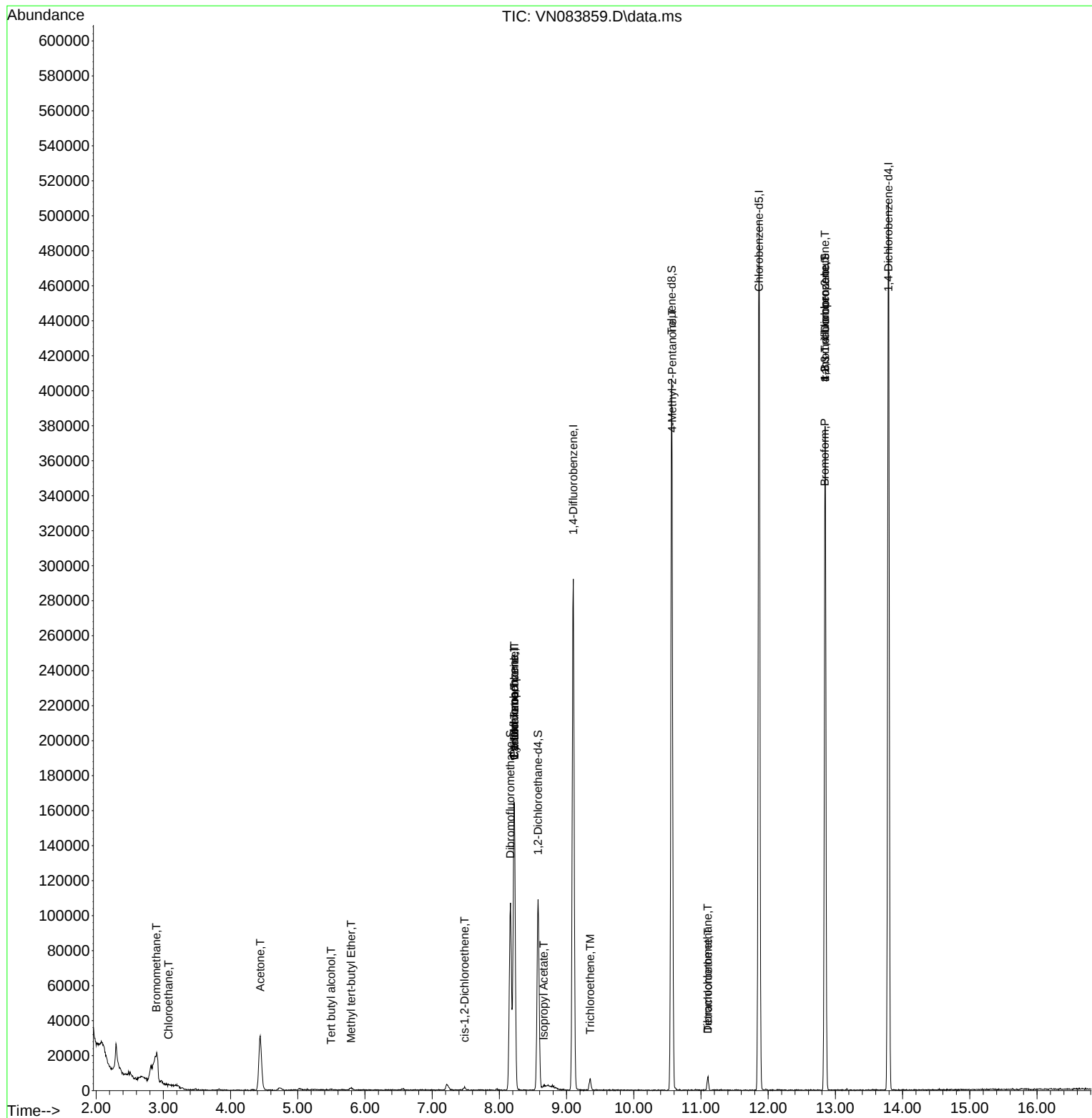
Internal Standards						
1) Pentafluorobenzene	8.218	168	113567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	91691	53.544	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.080%	
35) Dibromofluoromethane	8.165	113	74254	48.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.480%	
50) Toluene-d8	10.565	98	264800	50.277	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.847	95	127043	58.466	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1489	Below Cal	#	66
5) Bromomethane	2.894	94	177	0.213	ug/l #	2
6) Chloroethane	3.077	64	674	0.665	ug/l #	45
11) Tert butyl alcohol	5.494	59	130	0.567	ug/l #	71
16) Acetone	4.441	43	1991	2.900	ug/l #	87
18) Methyl Acetate	5.024	43	1654	Below Cal	#	59
19) Methyl tert-butyl Ether	5.794	73	1361	0.306	ug/l #	55
27) cis-1,2-Dichloroethene	7.482	96	832	0.532	ug/l	98
31) Cyclohexane	8.224	56	3550	1.434	ug/l #	53
36) 1,1-Dichloropropene	8.224	75	10246	4.468	ug/l #	49
38) Carbon Tetrachloride	8.224	117	13155	5.057	ug/l #	16
43) Isopropyl Acetate	8.659	43	1605	0.426	ug/l #	57
44) Trichloroethene	9.353	130	2249	1.407	ug/l	80
51) 4-Methyl-2-Pentanone	10.570	43	1475	0.718	ug/l #	1
60) Dibromochloromethane	11.100	129	1354	0.768	ug/l #	10
64) Tetrachloroethene	11.106	164	1869	1.058	ug/l #	71
71) Bromoform	12.841	173	627	0.454	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	71754	27.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71754	72.729	ug/l #	9

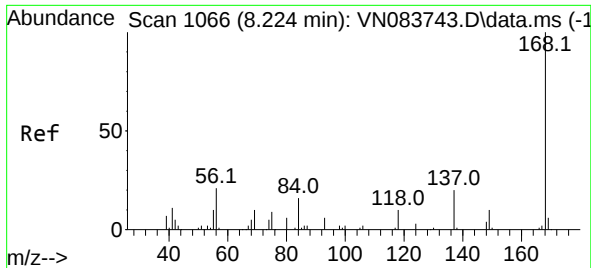
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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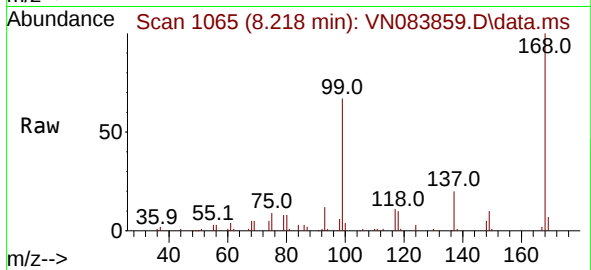
Quant Time: Sep 13 08:24:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



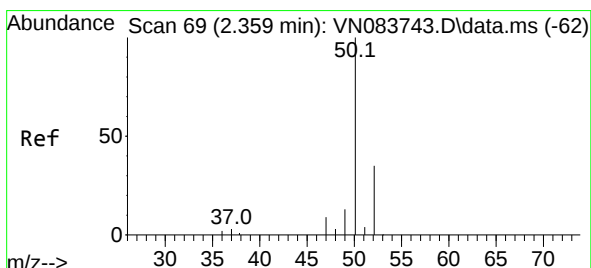
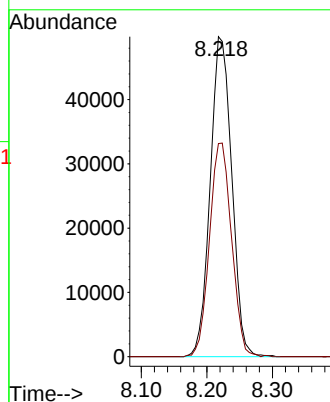
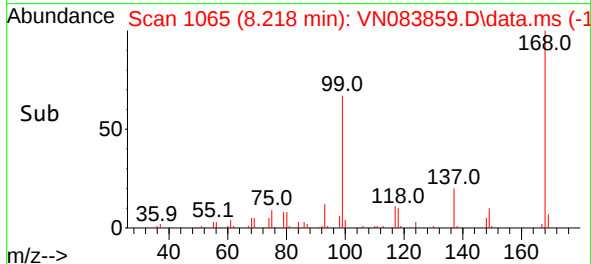


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Instrument :
MSVOA_N
ClientSampleId :

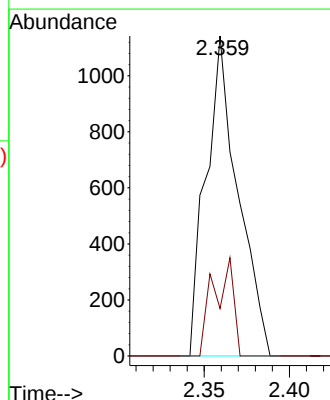
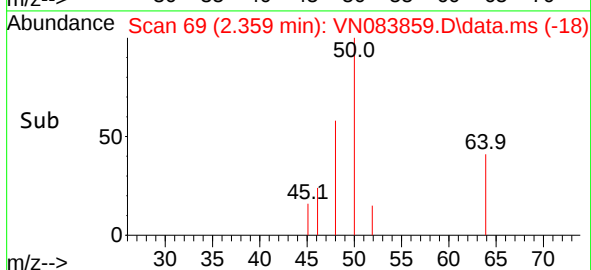
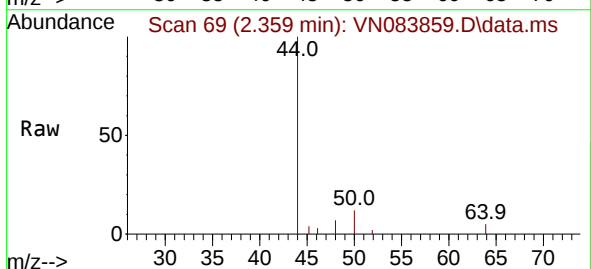


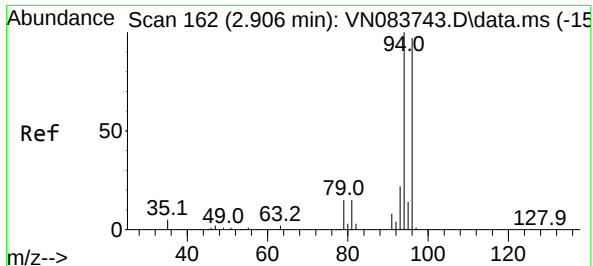
Tgt Ion:168 Resp: 113567
Ion Ratio Lower Upper
168 100
99 66.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Tgt Ion: 50 Resp: 1489
Ion Ratio Lower Upper
50 100
52 14.8 27.2 40.8#

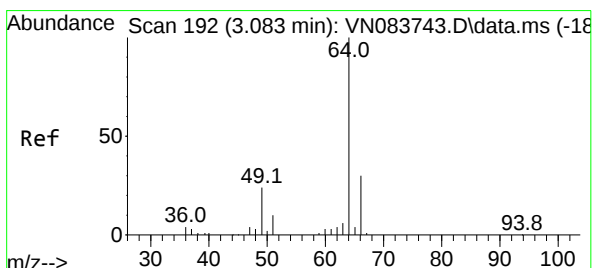
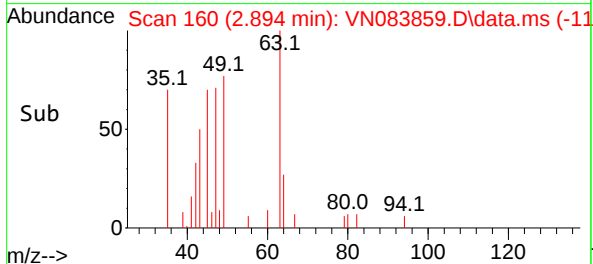
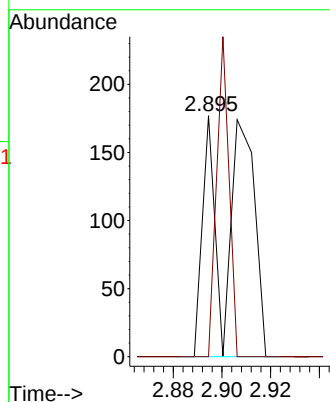
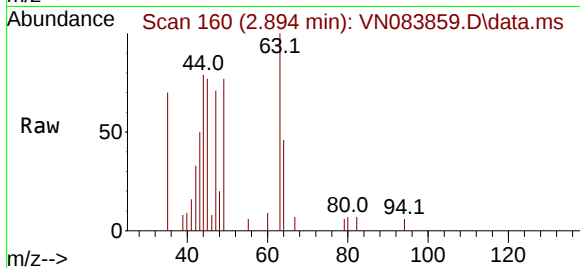




#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.894 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

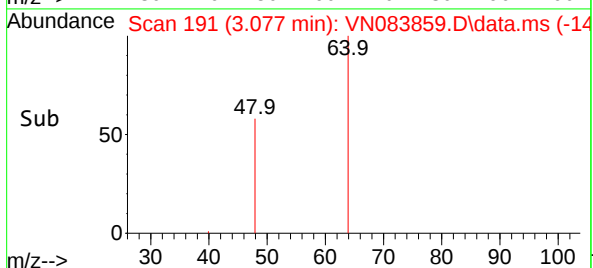
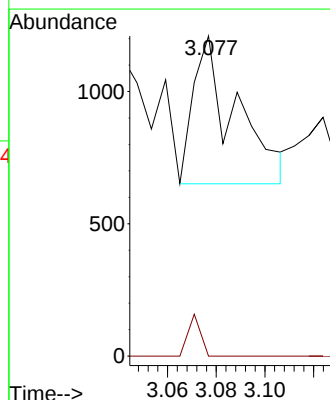
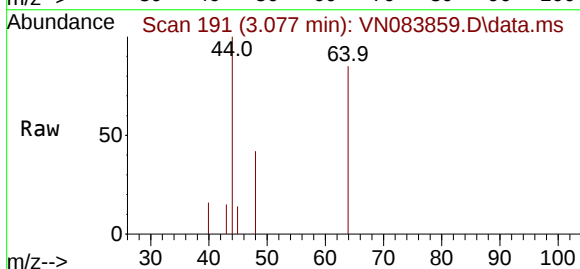
Instrument :
MSVOA_N
ClientSampleId :

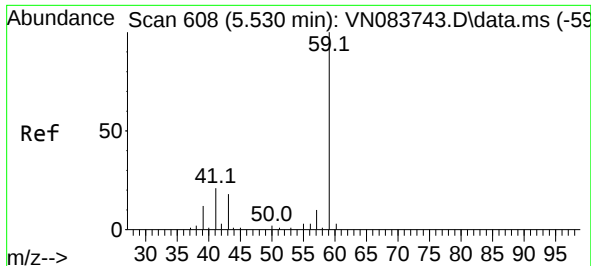
Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.665 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.006 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

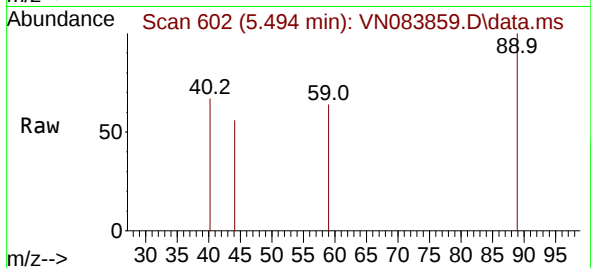
Tgt Ion: 64 Resp: 674
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



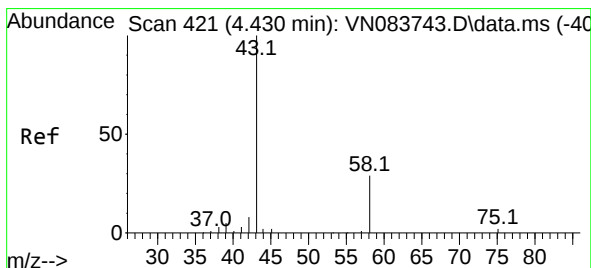
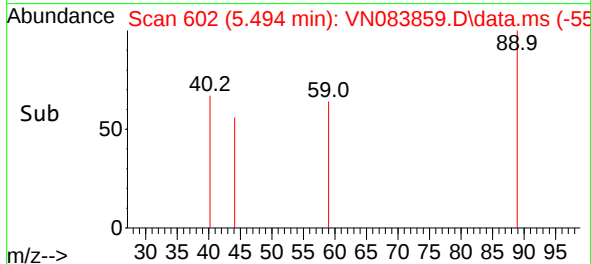
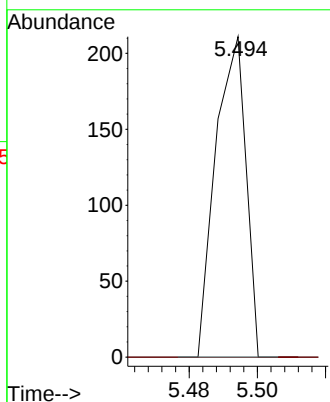


#11
Tert butyl alcohol
Concen: 0.567 ug/l
RT: 5.494 min Scan# 608
Delta R.T. -0.035 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Instrument :
MSVOA_N
ClientSampleId :

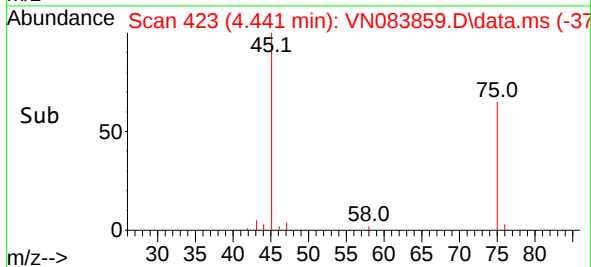
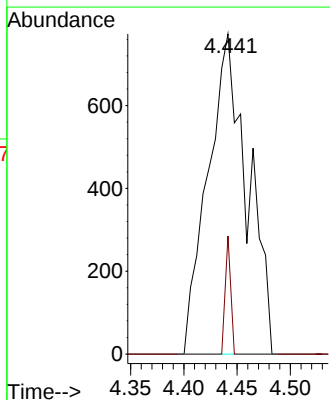
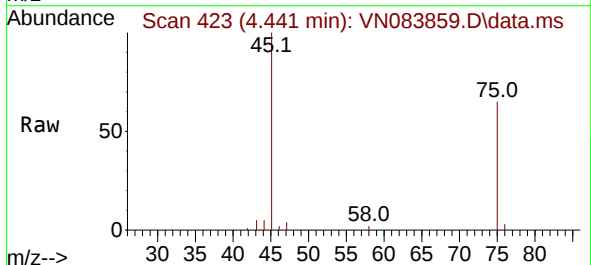


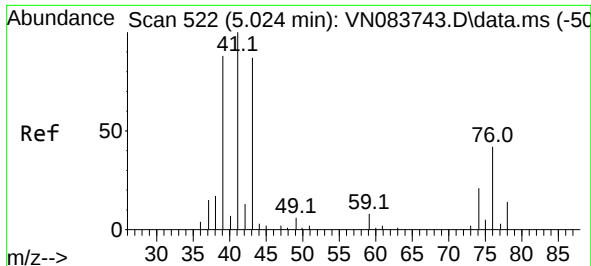
Tgt Ion: 59 Resp: 130
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 2.900 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Tgt Ion: 43 Resp: 1991
Ion Ratio Lower Upper
43 100
58 36.9 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

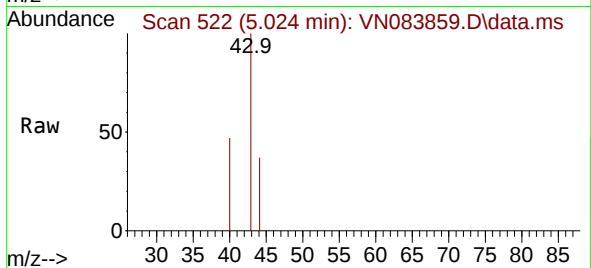
Lab File: VN083859.D

Acq: 13 Sep 2024 07:24

Instrument :

MSVOA_N

ClientSampleId :

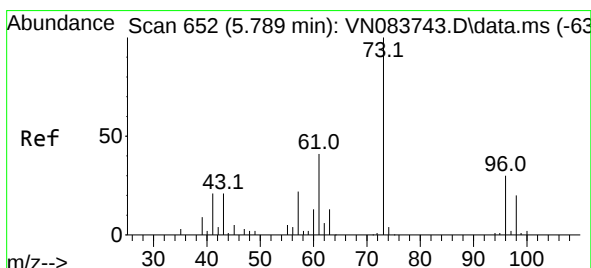
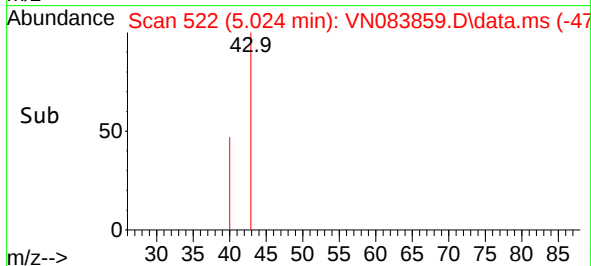
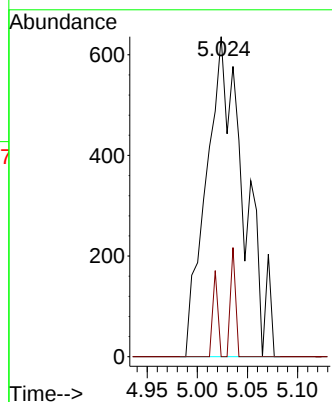


Tgt Ion: 43 Resp: 1654

Ion Ratio Lower Upper

43 100

74 3.6 19.0 28.4#



#19

Methyl tert-butyl Ether

Concen: 0.306 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN083859.D

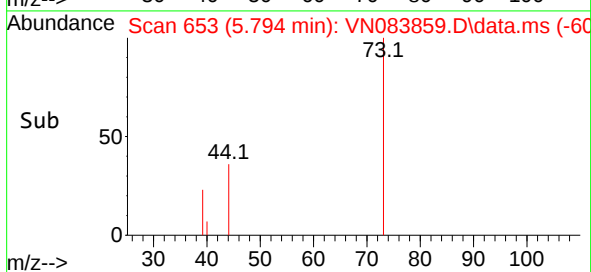
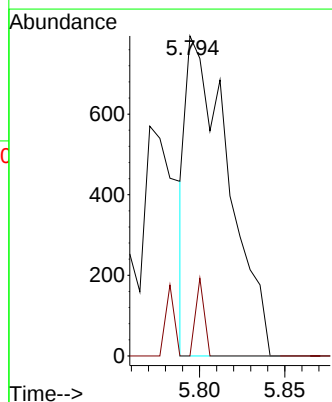
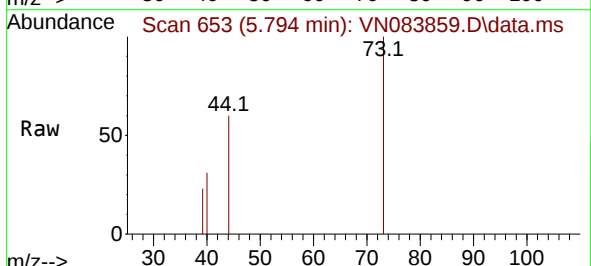
Acq: 13 Sep 2024 07:24

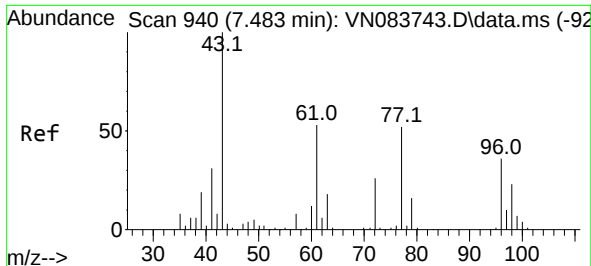
Tgt Ion: 73 Resp: 1361

Ion Ratio Lower Upper

73 100

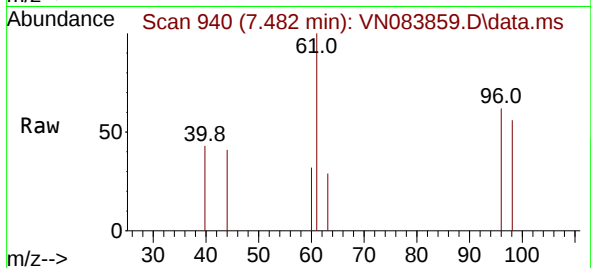
57 0.0 17.0 25.6#



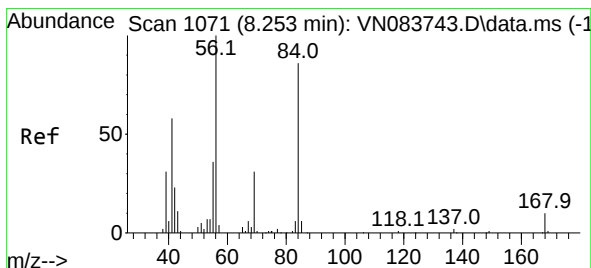
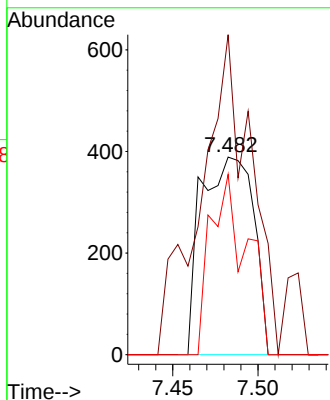
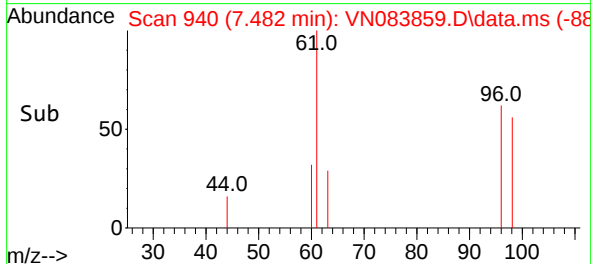


#27
 cis-1,2-Dichloroethene
 Concen: 0.532 ug/l
 RT: 7.482 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24

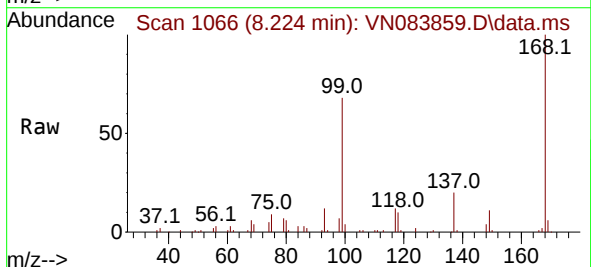
Instrument :
 MSVOA_N
 ClientSampleId :



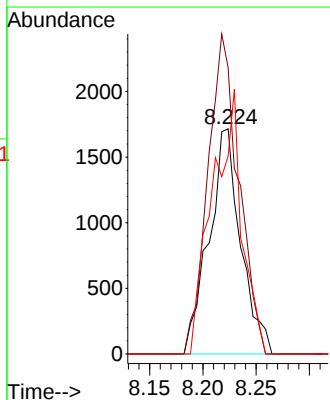
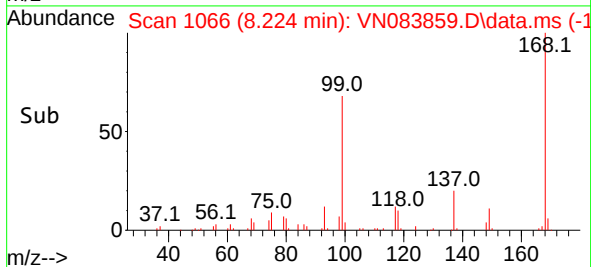
Tgt Ion:	96	Resp:	832
Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	306.2
98	63.5	0.0	128.6

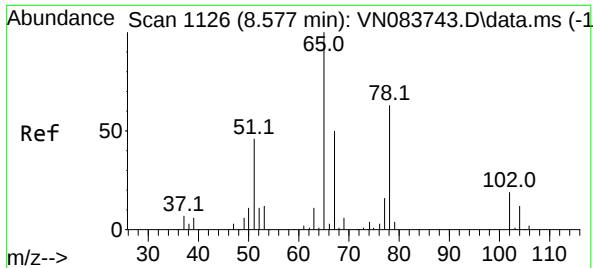


#31
 Cyclohexane
 Concen: 1.434 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.030 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24



Tgt Ion:	56	Resp:	3550
Ion	Ratio	Lower	Upper
56	100		
69	127.2	26.9	40.3#
84	87.8	69.2	103.8

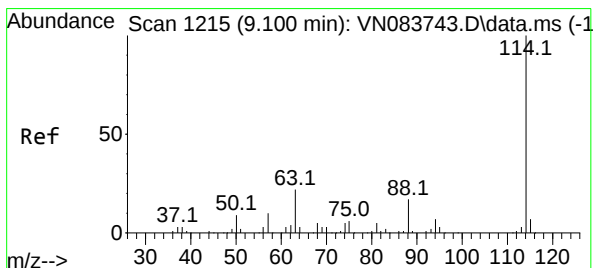
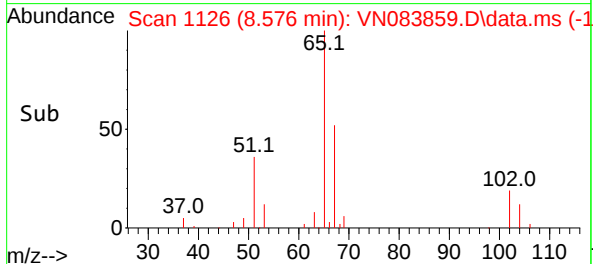
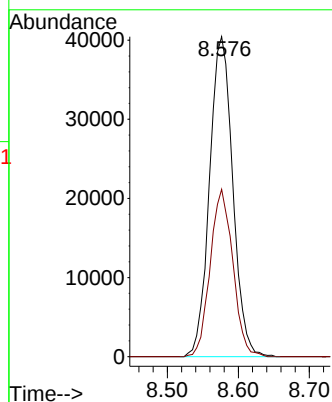
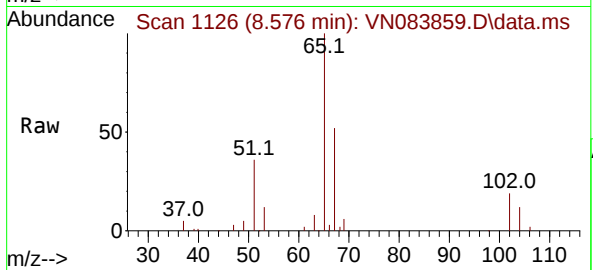




#33
 1,2-Dichloroethane-d4
 Concen: 53.544 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24

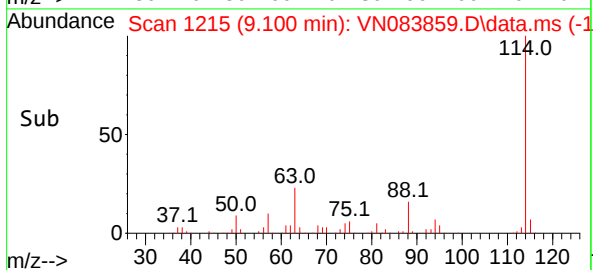
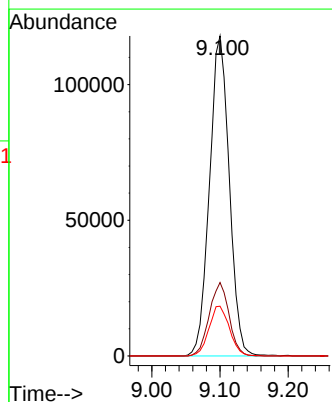
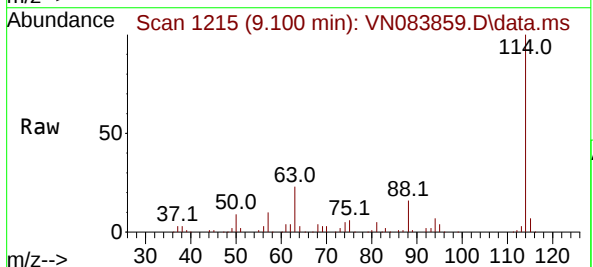
Instrument :
 MSVOA_N
 ClientSampleId :

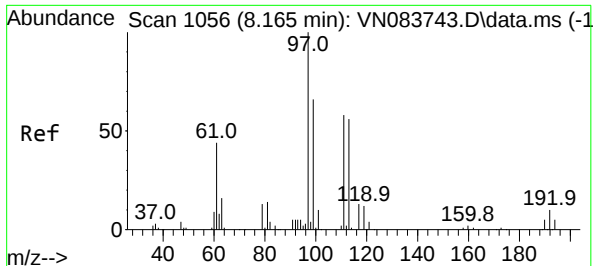
Tgt Ion: 65 Resp: 91691
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24

Tgt Ion: 114 Resp: 237975
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.740 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083859.D

Acq: 13 Sep 2024 07:24

Instrument :

MSVOA_N

ClientSampleId :

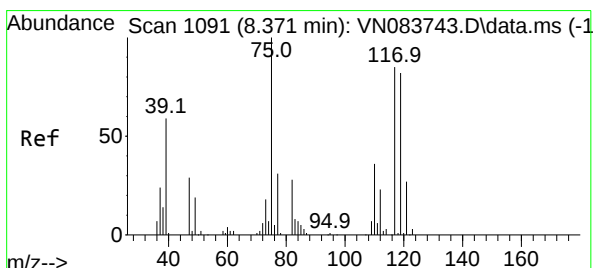
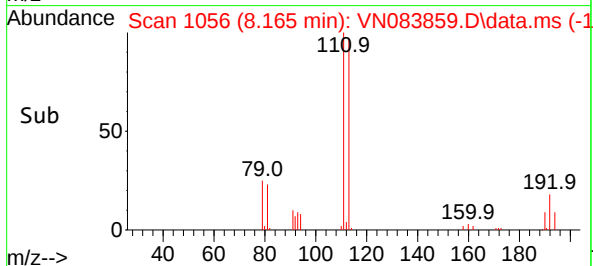
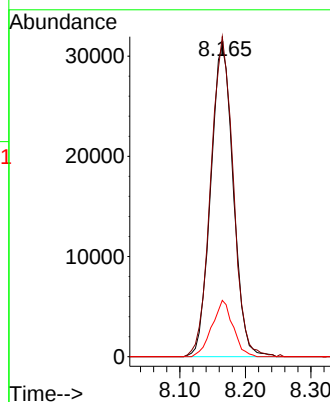
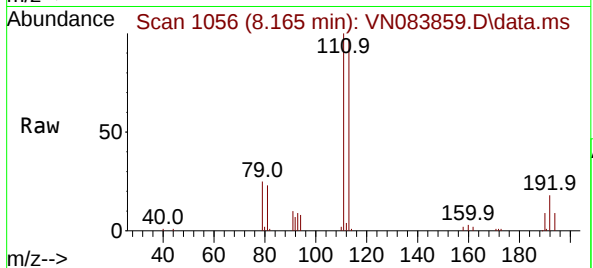
Tgt Ion:113 Resp: 74254

Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 16.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083859.D

Acq: 13 Sep 2024 07:24

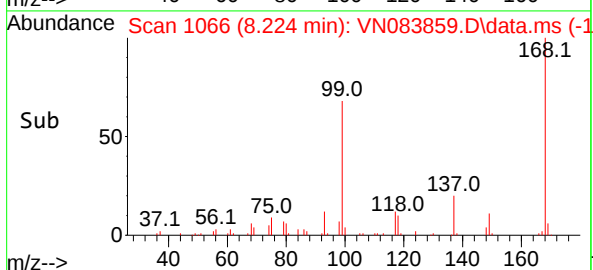
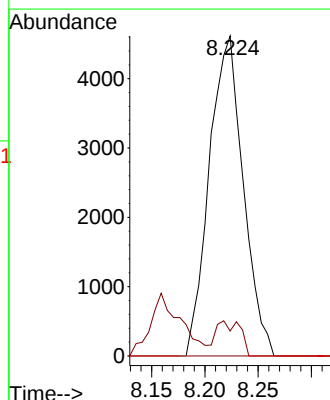
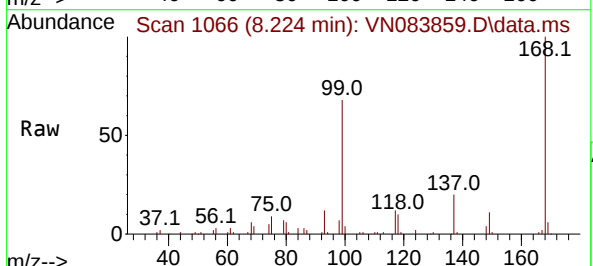
Tgt Ion: 75 Resp: 10246

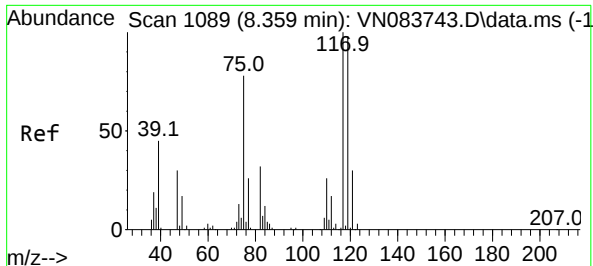
Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

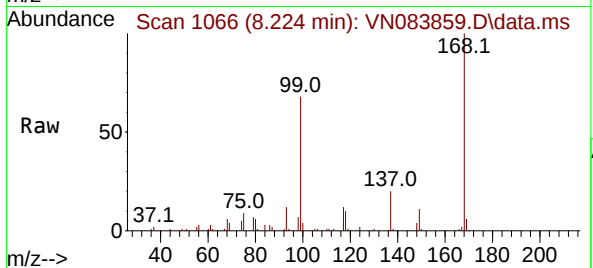
77 0.0 25.2 37.8#



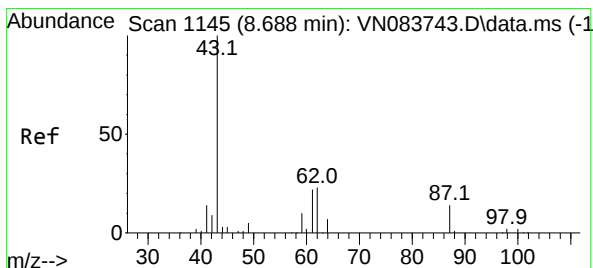
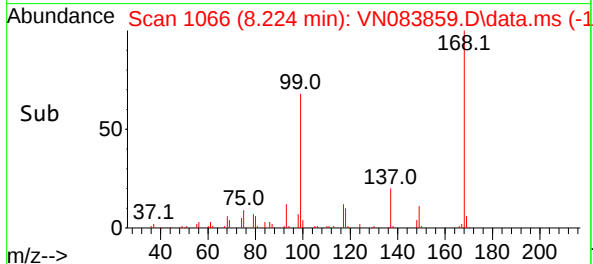
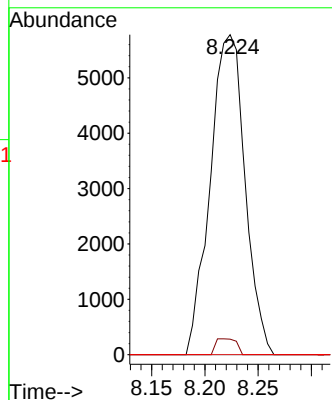


#38
Carbon Tetrachloride
Concen: 5.057 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Instrument :
MSVOA_N
ClientSampleId :

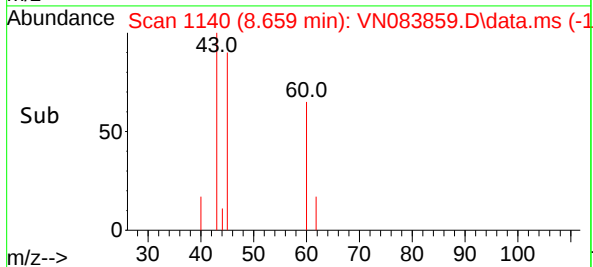
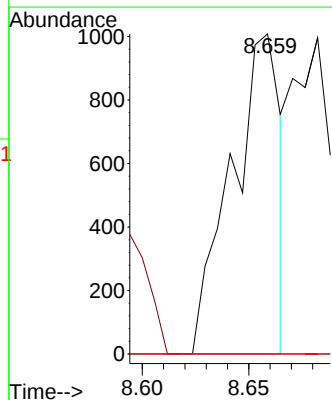
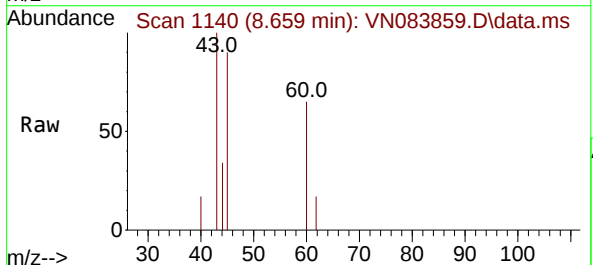


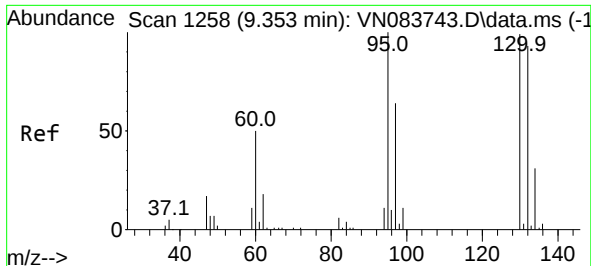
Tgt Ion: 117 Resp: 13155
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.426 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.030 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Tgt Ion: 43 Resp: 1605
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

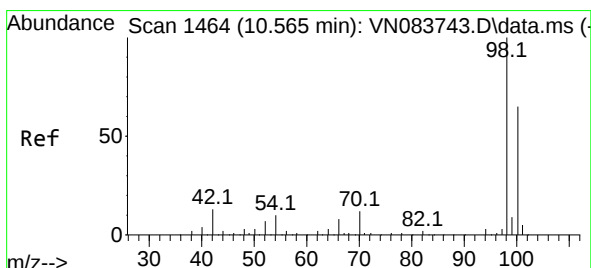
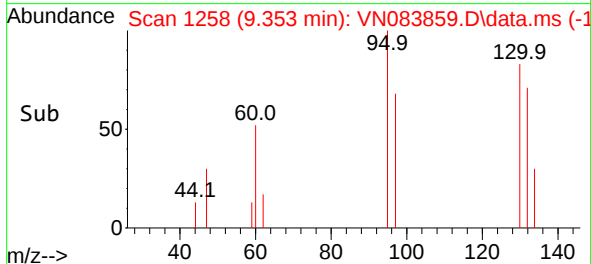
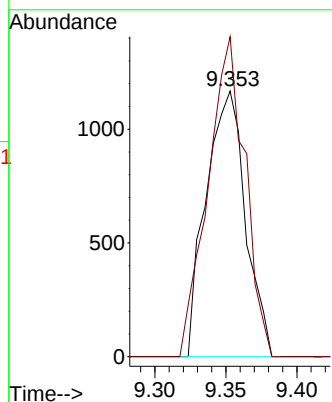
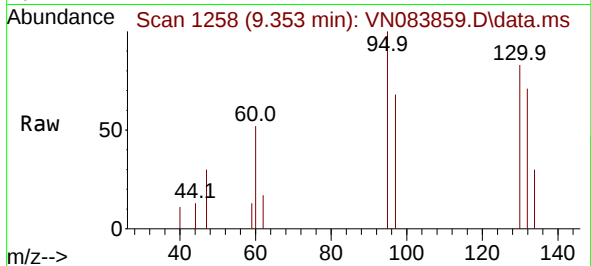




#44
Trichloroethene
Concen: 1.407 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

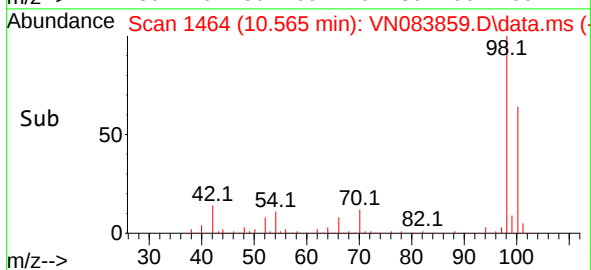
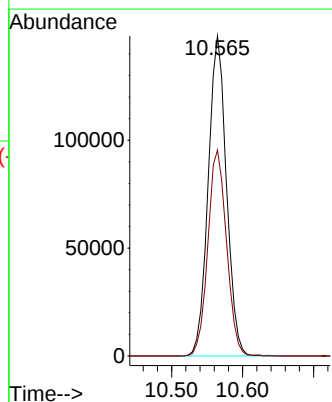
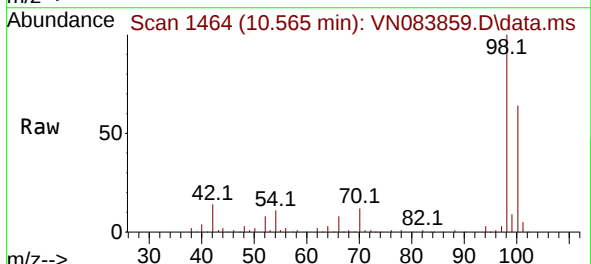
Instrument :
MSVOA_N
ClientSampleId :

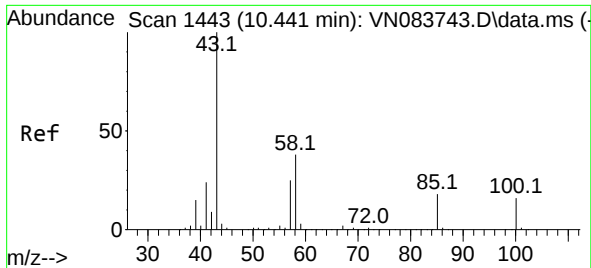
Tgt Ion:130 Resp: 2249
Ion Ratio Lower Upper
130 100
95 120.5 0.0 200.4



#50
Toluene-d8
Concen: 50.277 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Tgt Ion: 98 Resp: 264800
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.718 ug/l

RT: 10.570 min Scan# 14

Delta R.T. 0.129 min

Lab File: VN083859.D

Acq: 13 Sep 2024 07:24

Instrument :

MSVOA_N

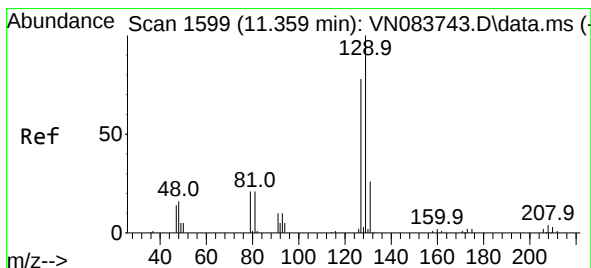
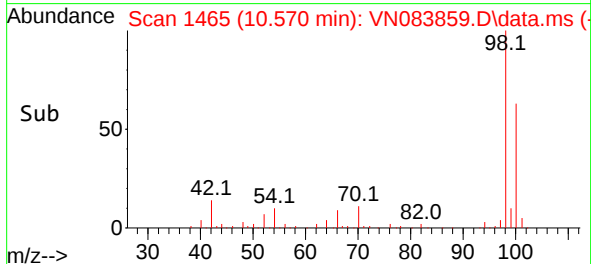
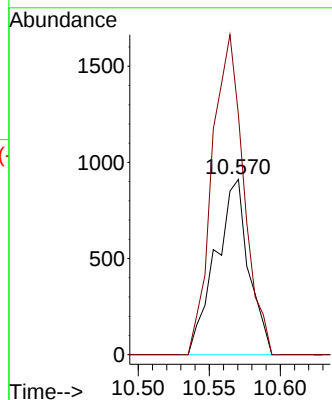
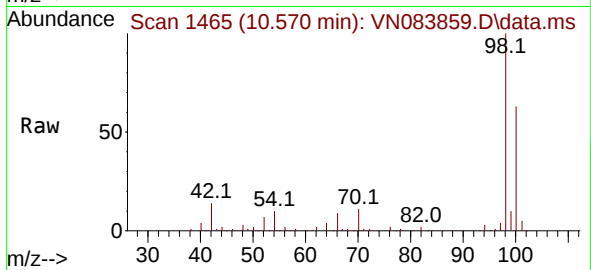
ClientSampleId :

Tgt Ion: 43 Resp: 1475

Ion Ratio Lower Upper

43 100

58 174.8 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.768 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083859.D

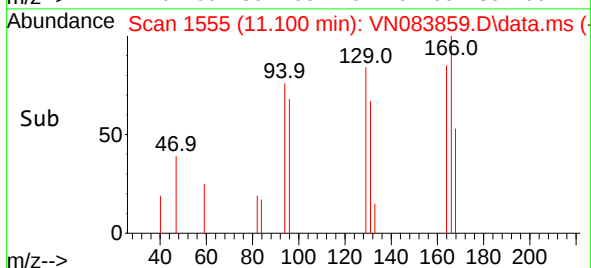
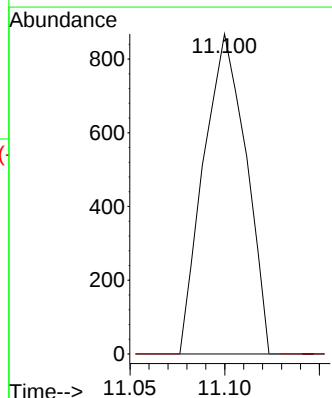
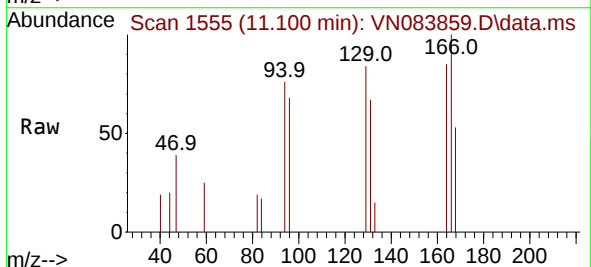
Acq: 13 Sep 2024 07:24

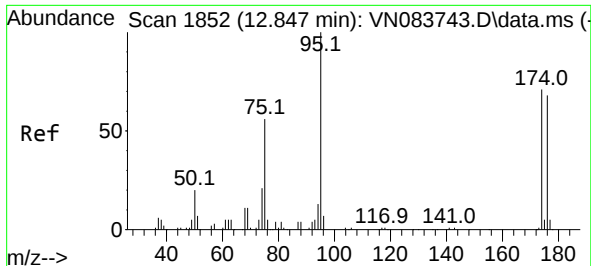
Tgt Ion: 129 Resp: 1354

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

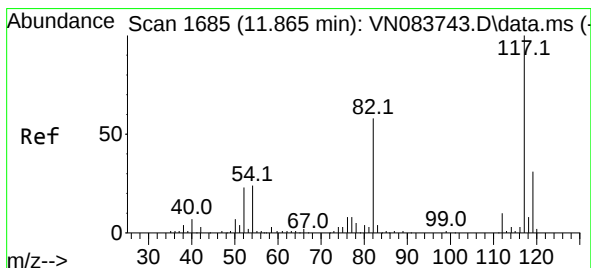
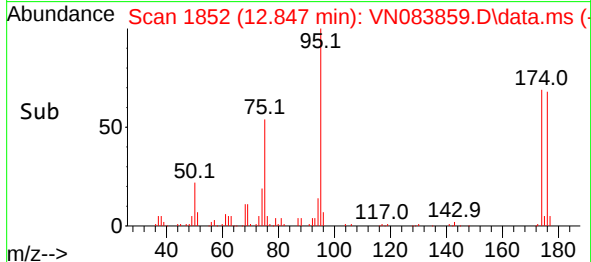
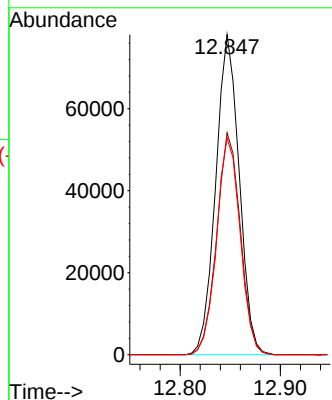
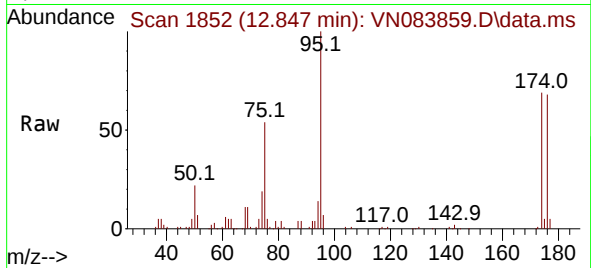




#62
4-Bromofluorobenzene
Concen: 58.466 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

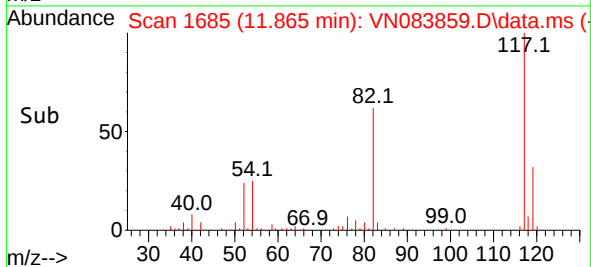
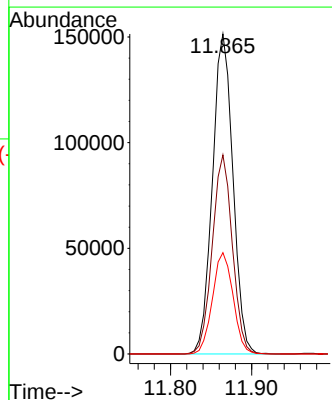
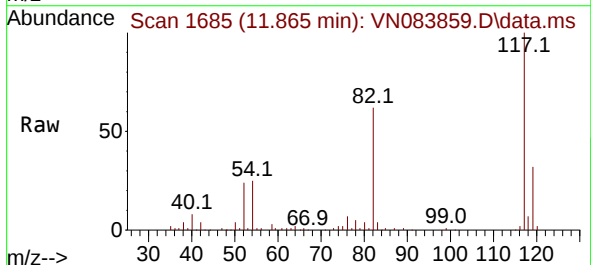
Instrument :
MSVOA_N
ClientSampleId :

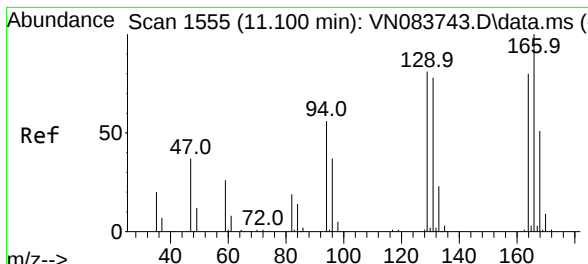
Tgt Ion: 95 Resp: 127043
Ion Ratio Lower Upper
95 100
174 69.9 0.0 139.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

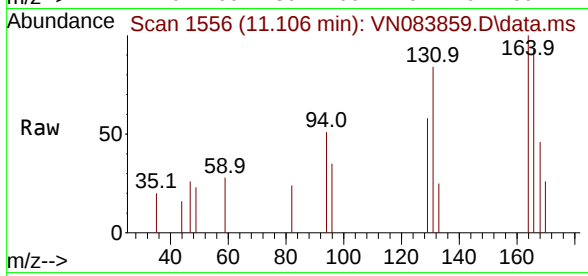
Tgt Ion: 117 Resp: 265704
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.0
119 31.6 26.3 39.5





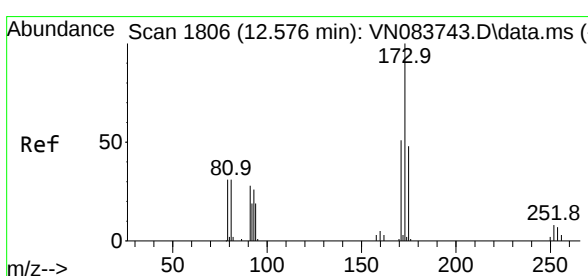
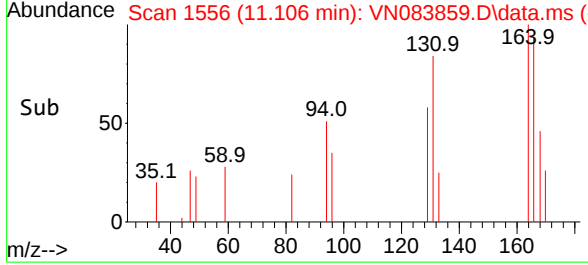
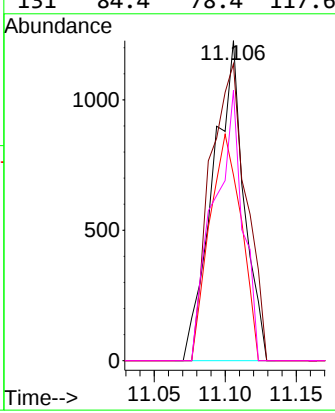
#64
Tetrachloroethene
Concen: 1.058 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:164 Resp: 1869

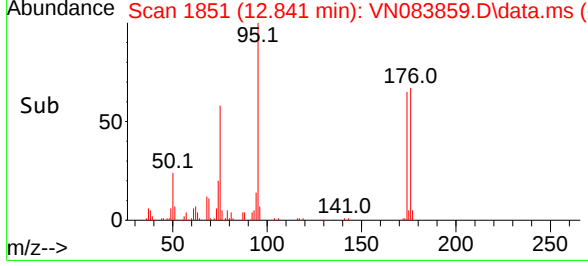
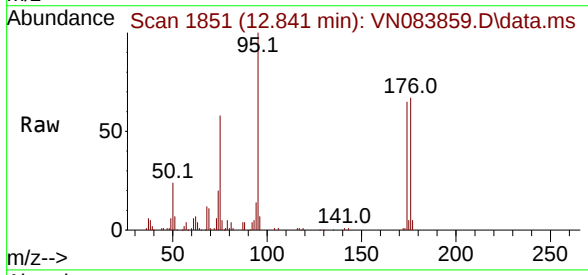
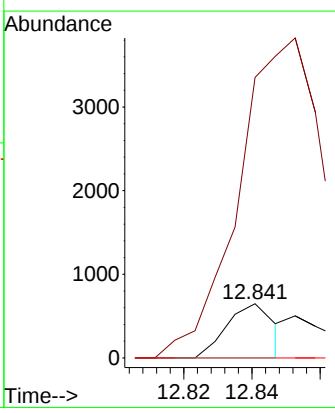
Ion	Ratio	Lower	Upper
164	100		
166	92.7	103.7	155.5#
129	58.0	79.9	119.9#
131	84.4	78.4	117.6

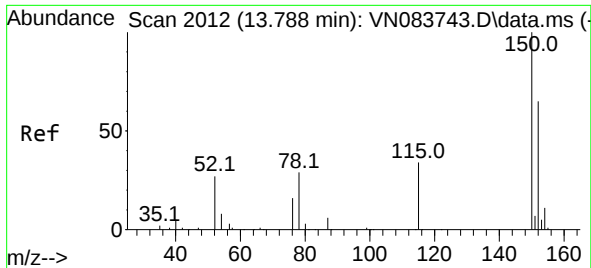


#71
Bromoform
Concen: 0.454 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Tgt Ion:173 Resp: 627

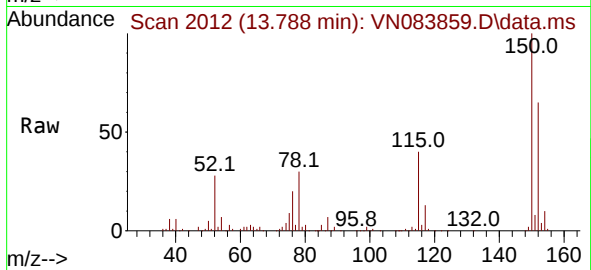
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.1	72.2#
254	0.0	0.0	0.0



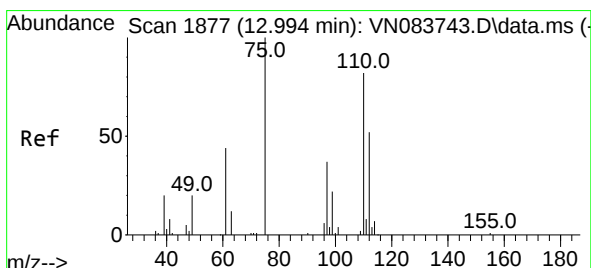
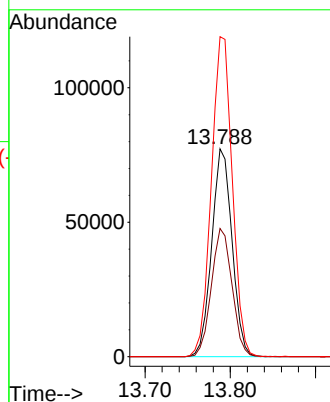
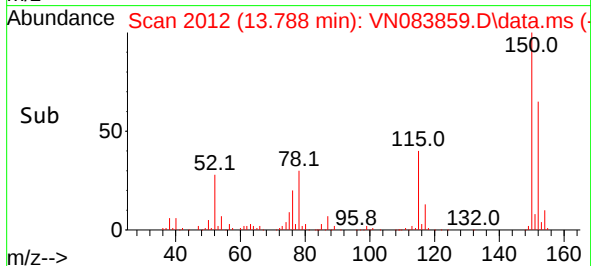


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24

Instrument :
 MSVOA_N
 ClientSampleId :

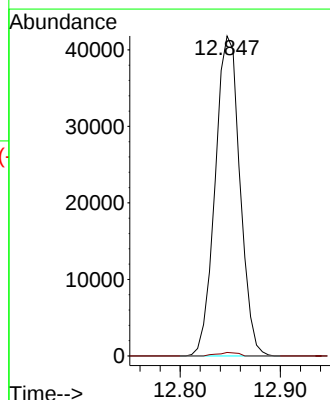
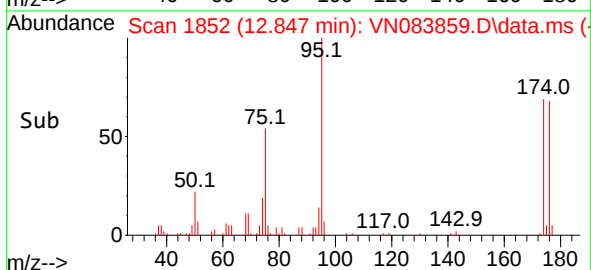
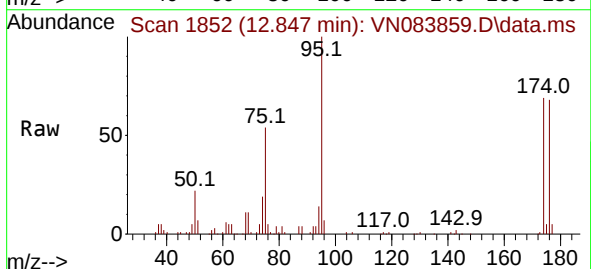


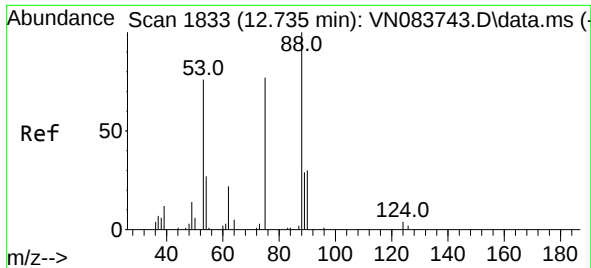
Tgt Ion:152 Resp: 128059
 Ion Ratio Lower Upper
 152 100
 115 62.5 32.2 96.6
 150 158.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 27.769 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083859.D
 Acq: 13 Sep 2024 07:24

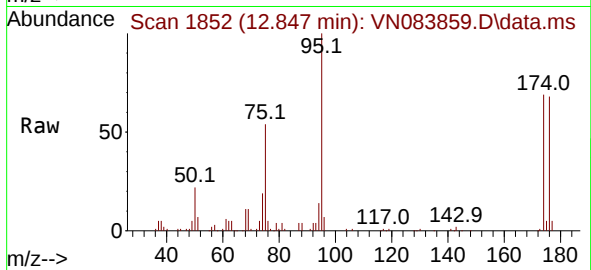
Tgt Ion: 75 Resp: 71754
 Ion Ratio Lower Upper
 75 100
 77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.729 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083859.D
Acq: 13 Sep 2024 07:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 71754
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

