

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091124\
 Data File : VN083812.D
 Acq On : 11 Sep 2024 21:57
 Operator : JC\MD
 Sample : P3912-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 12 02:16:35 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)

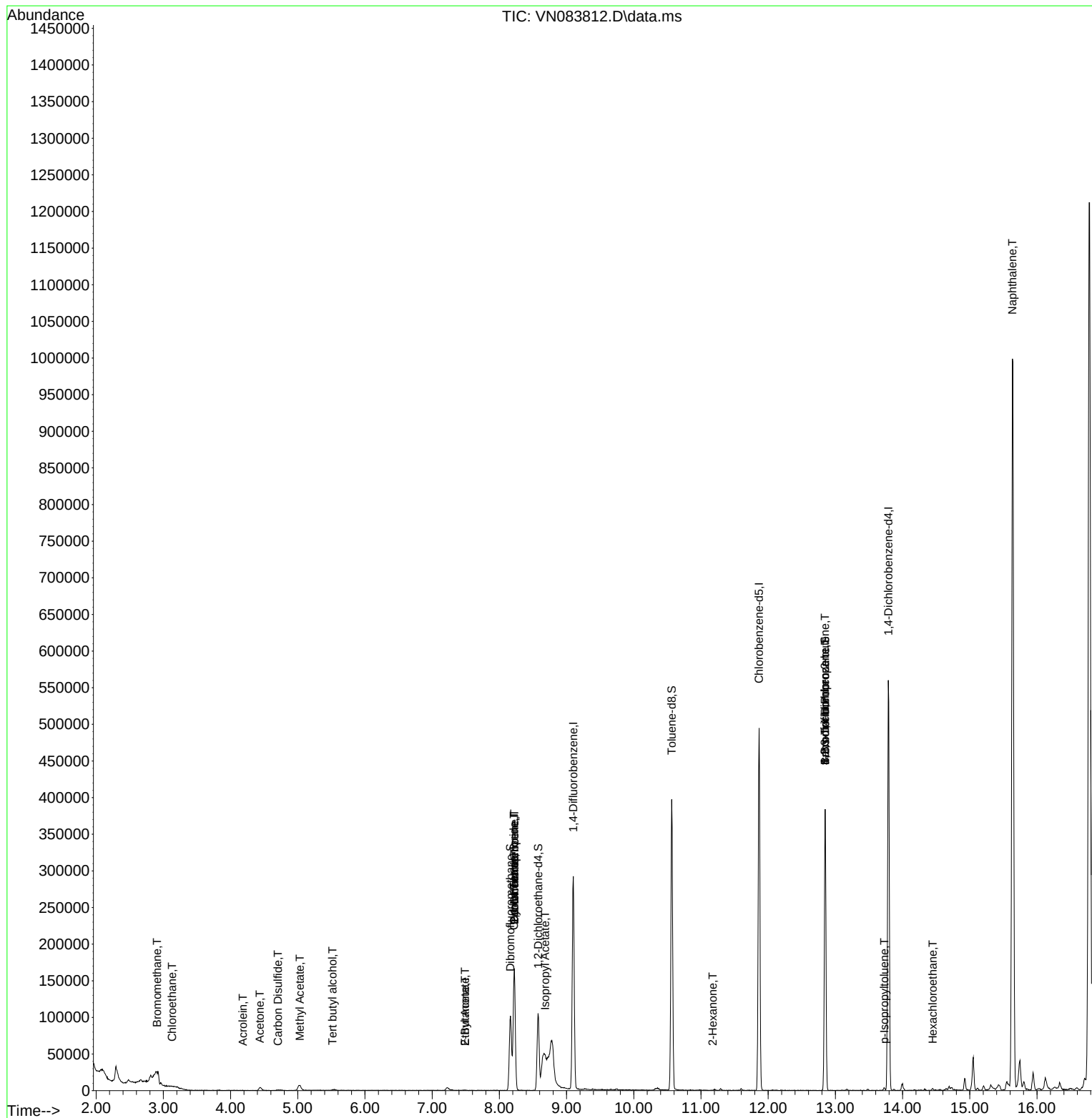
Internal Standards						
1) Pentafluorobenzene	8.224	168	113430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	238266	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	89298	52.210	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.420%			
35) Dibromofluoromethane	8.165	113	71010	46.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.100%			
50) Toluene-d8	10.565	98	258768	49.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.140%			
62) 4-Bromofluorobenzene	12.847	95	125469	57.671	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.340%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	796	Below Cal	#	41
5) Bromomethane	2.906	94	250	0.302	ug/l	97
6) Chloroethane	3.130	64	885	0.874	ug/l #	45
11) Tert butyl alcohol	5.518	59	963	4.205	ug/l #	71
13) Acrolein	4.183	56	57	0.252	ug/l #	26
16) Acetone	4.436	43	4901	7.148	ug/l #	87
17) Carbon Disulfide	4.706	76	1190	0.347	ug/l #	75
18) Methyl Acetate	5.030	43	15956	9.672	ug/l	98
25) 2-Butanone	7.488	43	727	0.807	ug/l #	49
31) Cyclohexane	8.224	56	3033	1.227	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	10304	4.488	ug/l #	49
37) Ethyl Acetate	7.488	43	727	0.349	ug/l #	68
38) Carbon Tetrachloride	8.218	117	13200	5.068	ug/l #	16
43) Isopropyl Acetate	8.682	43	85123	22.541	ug/l #	57
59) 2-Hexanone	11.176	43	509	0.335	ug/l #	24
71) Bromoform	12.847	173	883	0.639	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72558	25.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72558	67.010	ug/l #	9
86) p-Isopropyltoluene	13.729	119	2442	0.274	ug/l	97
90) Hexachloroethane	14.447	117	1637	0.913	ug/l #	17
95) Naphthalene	15.635	128	921914	118.454	ug/l	99

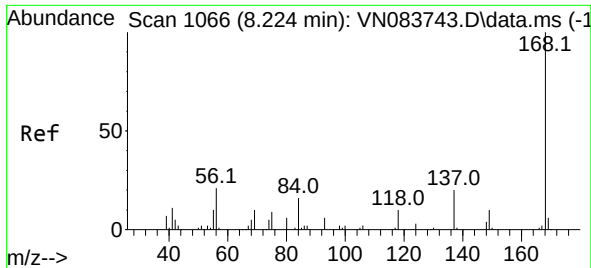
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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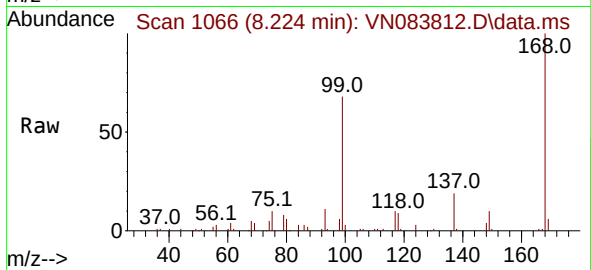
Quant Time: Sep 12 02:16:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



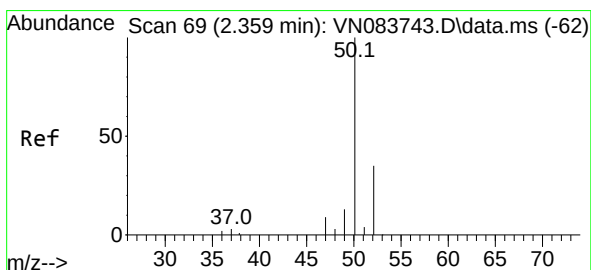
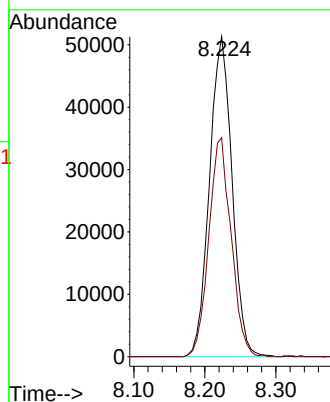
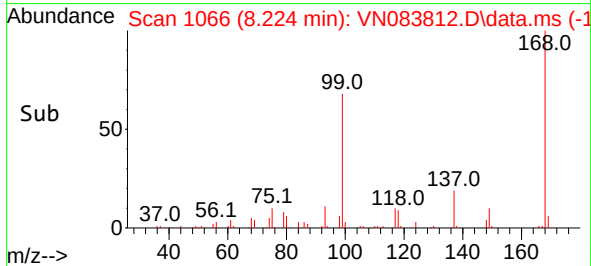


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Instrument :
MSVOA_N
ClientSampleId :

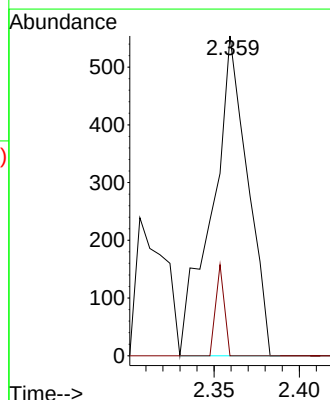
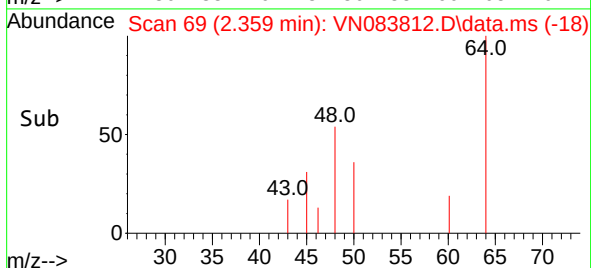
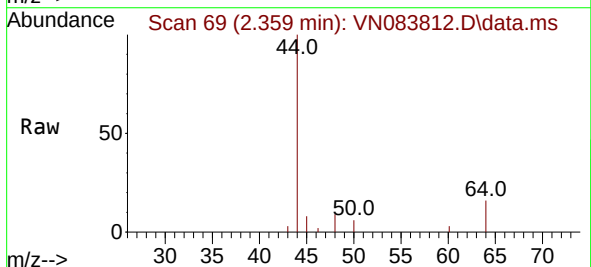


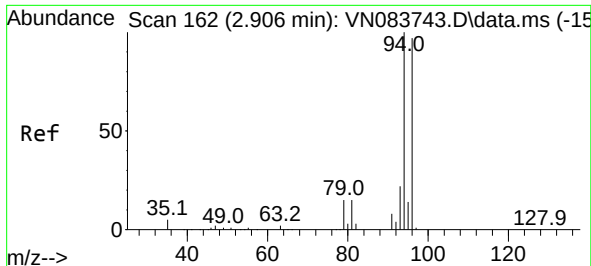
Tgt Ion:168 Resp: 113430
Ion Ratio Lower Upper
168 100
99 68.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Tgt Ion: 50 Resp: 796
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

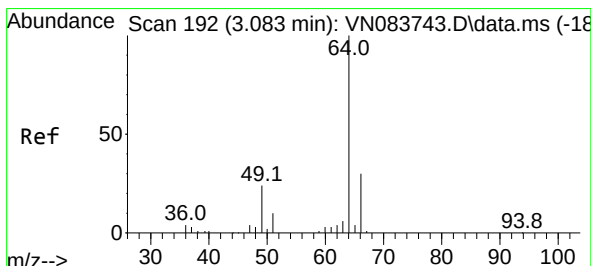
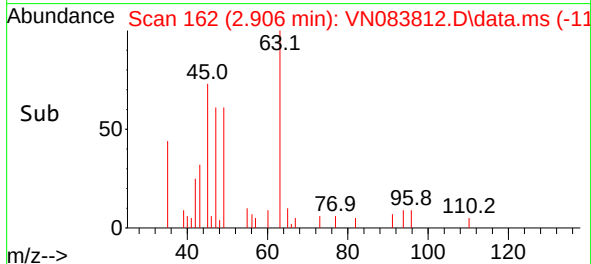
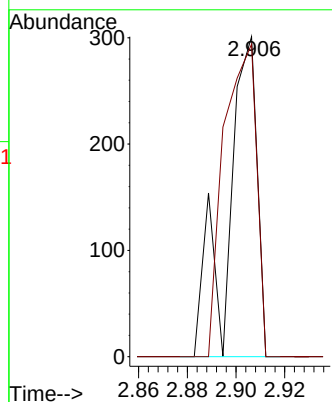
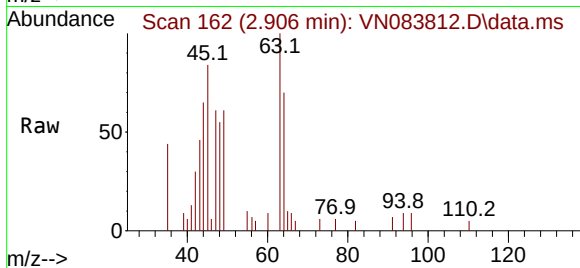




#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

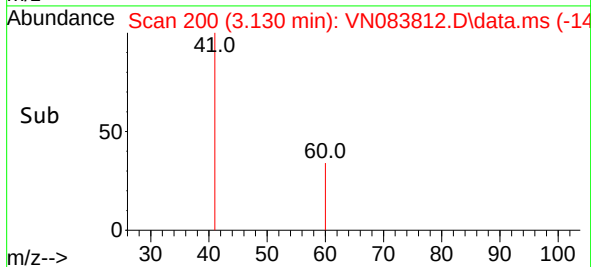
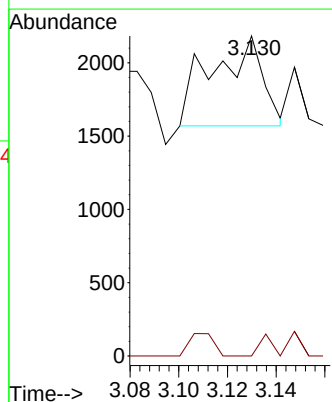
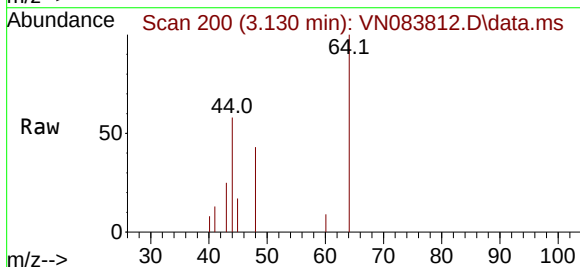
Instrument :
MSVOA_N
ClientSampleId :

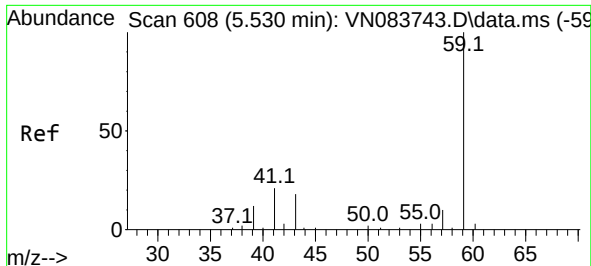
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 97.7 76.0 114.0



#6
Chloroethane
Concen: 0.874 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.047 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Tgt Ion: 64 Resp: 885
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#





#11

Tert butyl alcohol

Concen: 4.205 ug/l

RT: 5.518 min Scan# 608

Delta R.T. -0.012 min

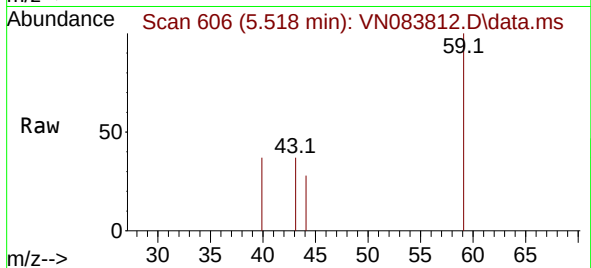
Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

ClientSampleId :

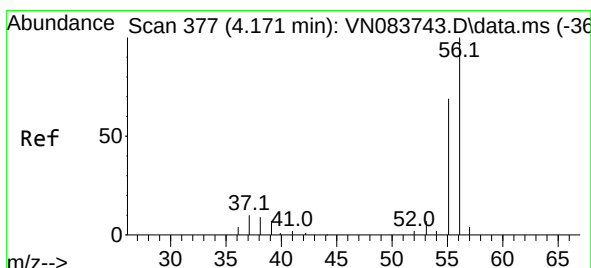
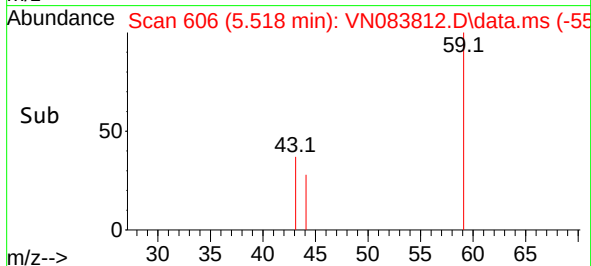
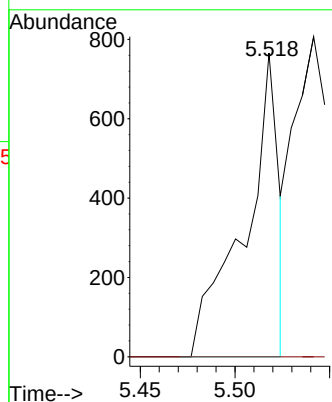


Tgt Ion: 59 Resp: 963

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.252 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.012 min

Lab File: VN083812.D

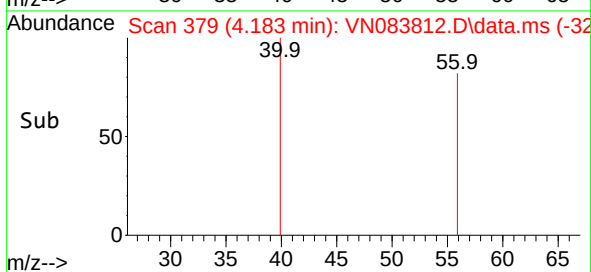
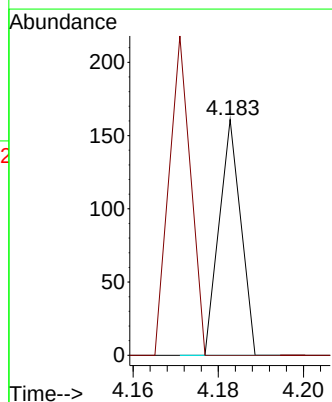
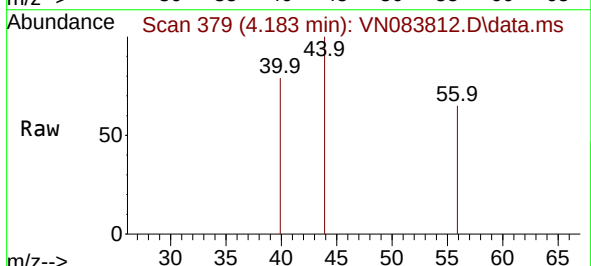
Acq: 11 Sep 2024 21:57

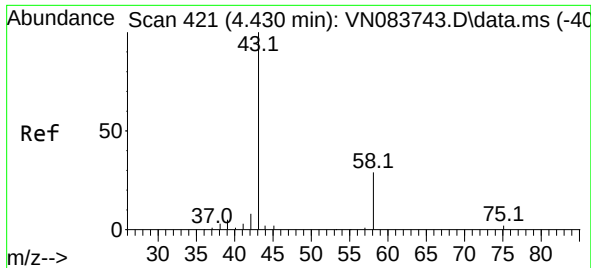
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 135.1 58.2 87.2#





#16

Acetone

Concen: 7.148 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

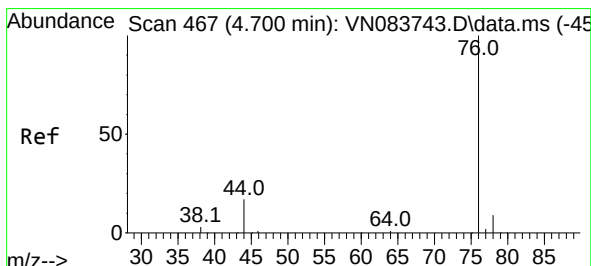
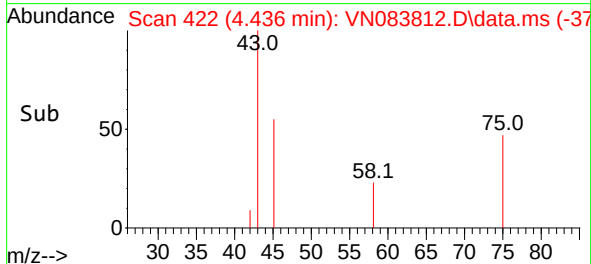
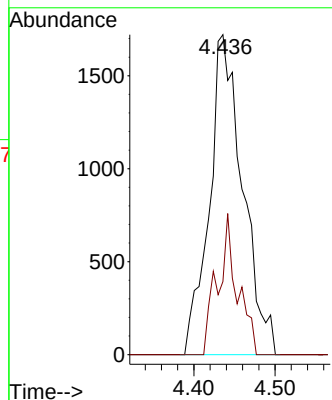
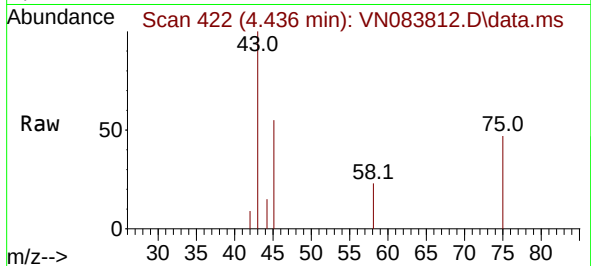
ClientSampleId :

Tgt Ion: 43 Resp: 4901

Ion Ratio Lower Upper

43 100

58 22.8 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN083812.D

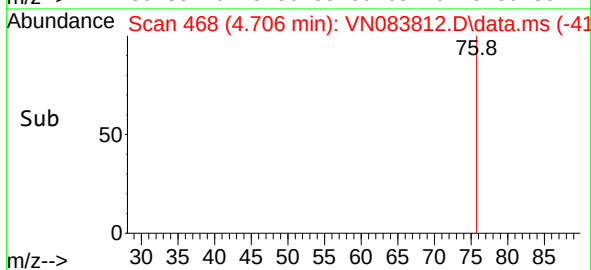
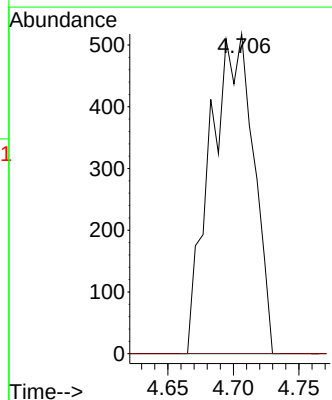
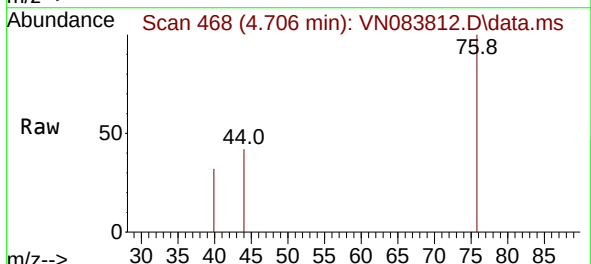
Acq: 11 Sep 2024 21:57

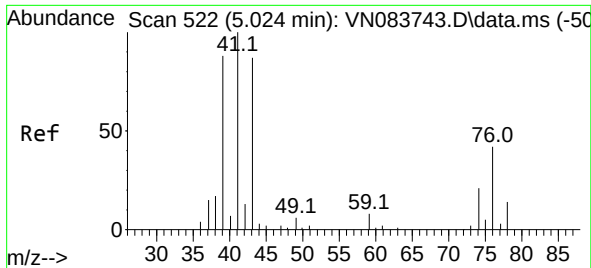
Tgt Ion: 76 Resp: 1190

Ion Ratio Lower Upper

76 100

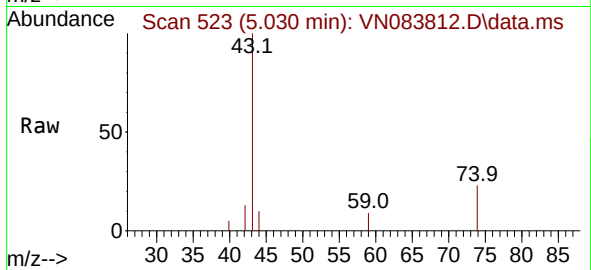
78 0.0 7.1 10.7#



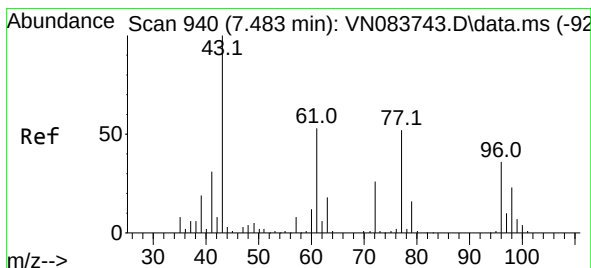
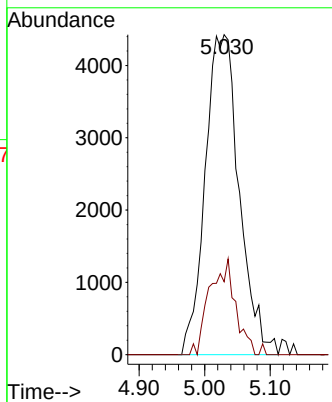
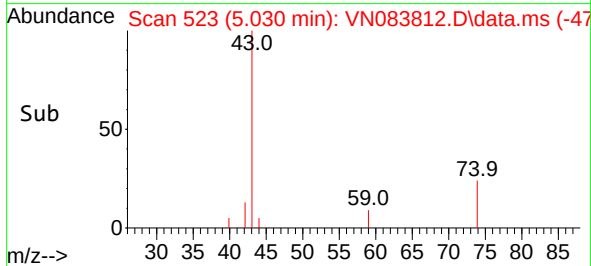


#18
Methyl Acetate
Concen: 9.672 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Instrument :
MSVOA_N
ClientSampleId :

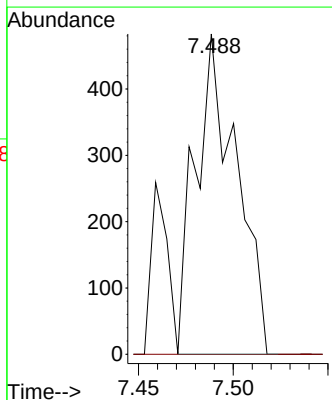
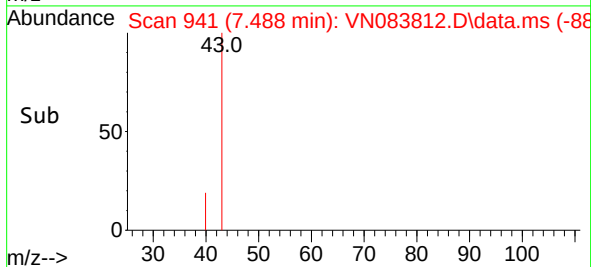
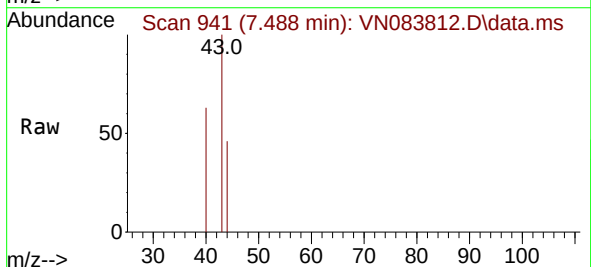


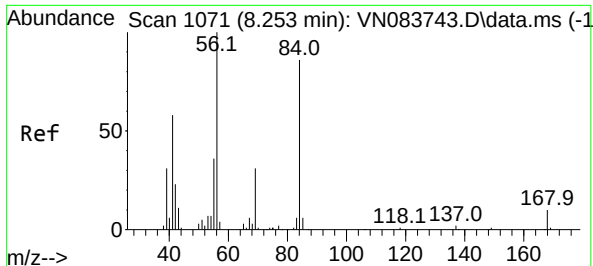
Tgt Ion: 43 Resp: 15956
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.4



#25
2-Butanone
Concen: 0.807 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

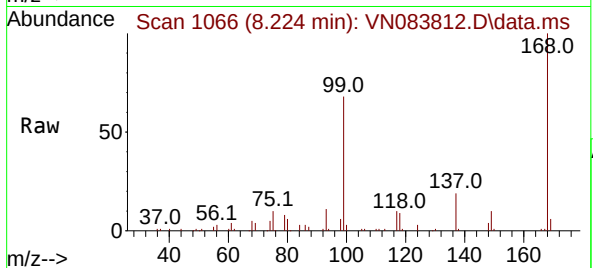
Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



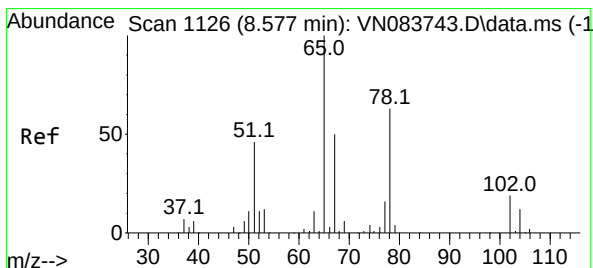
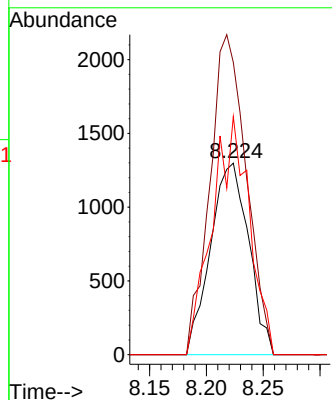
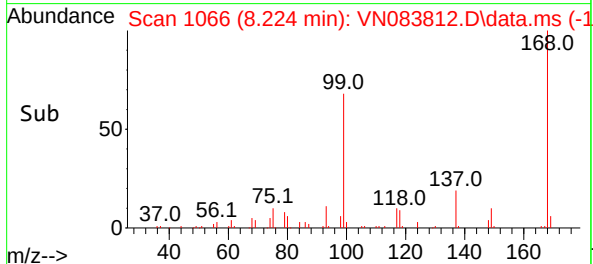


#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Instrument :
MSVOA_N
ClientSampleId :

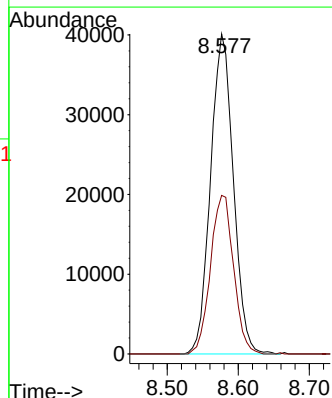
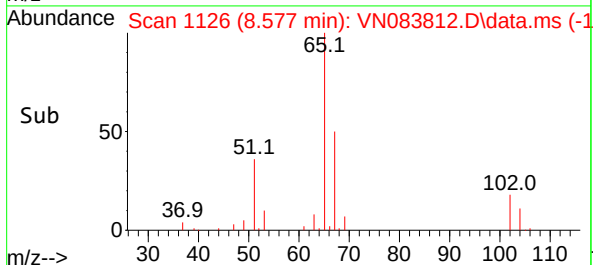
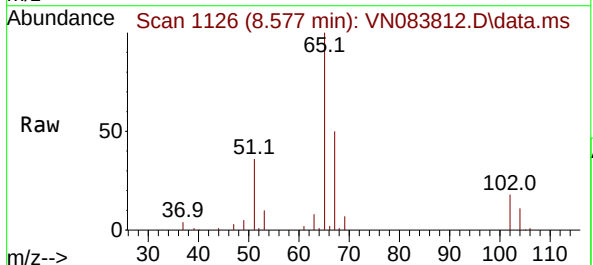


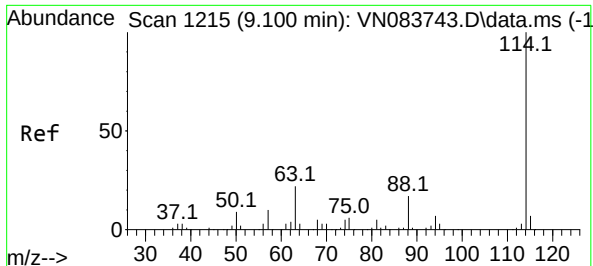
Tgt Ion: 56 Resp: 3033
Ion Ratio Lower Upper
56 100
69 152.6 26.9 40.3#
84 124.3 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 52.210 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Tgt Ion: 65 Resp: 89298
Ion Ratio Lower Upper
65 100
67 50.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

ClientSampleId :

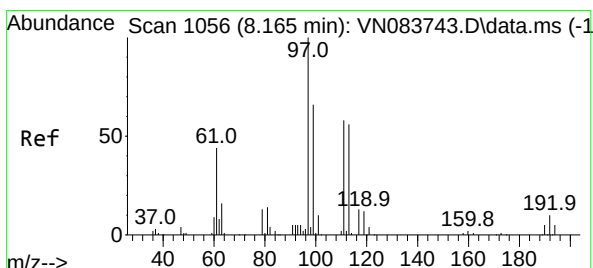
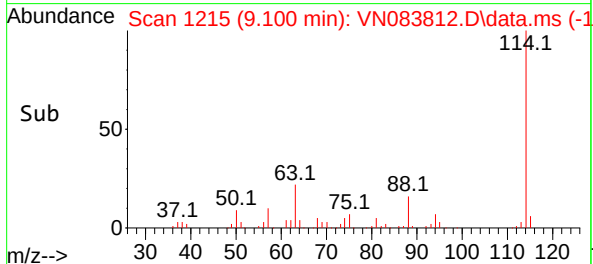
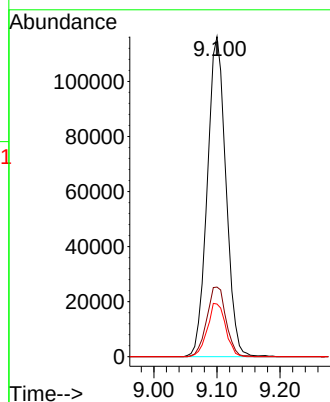
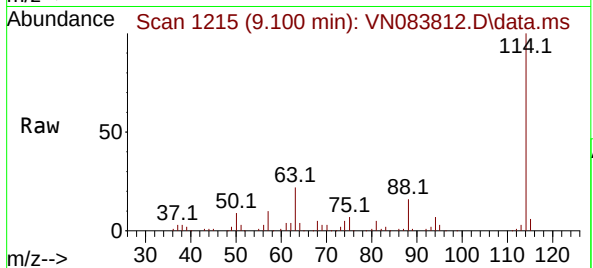
Tgt Ion:114 Resp: 238266

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.553 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

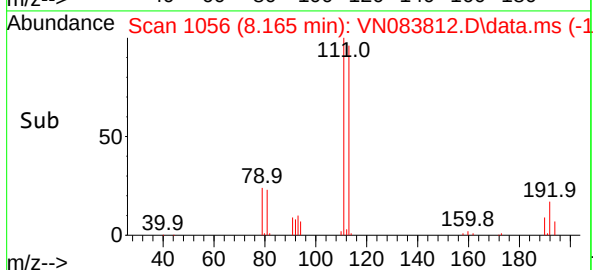
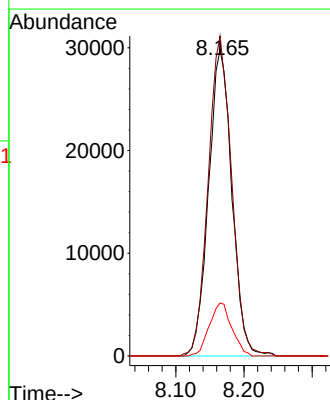
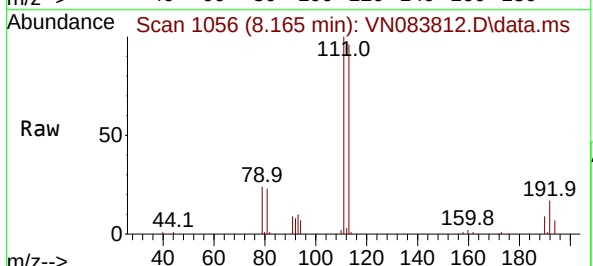
Tgt Ion:113 Resp: 71010

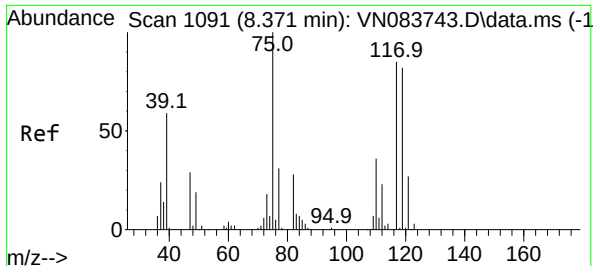
Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 16.7 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

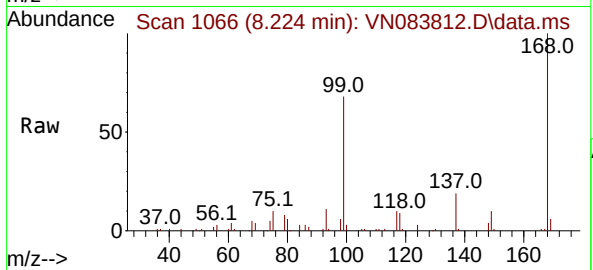
Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

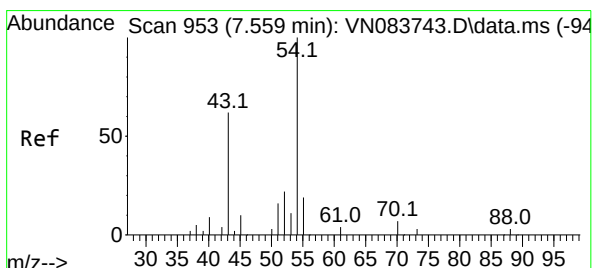
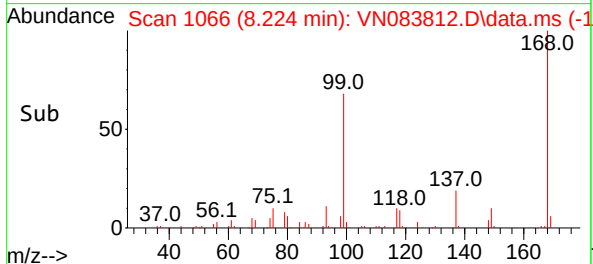
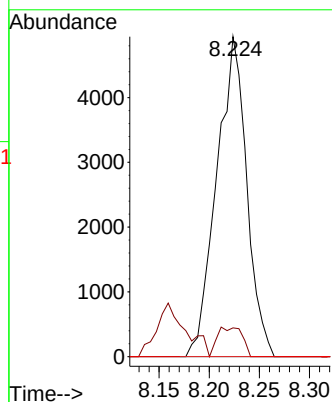
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10304
Ion Ratio	Lower Upper
75	100
110	7.6 16.7 50.1#
77	0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.349 ug/l

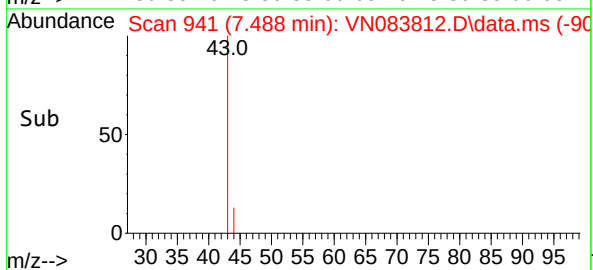
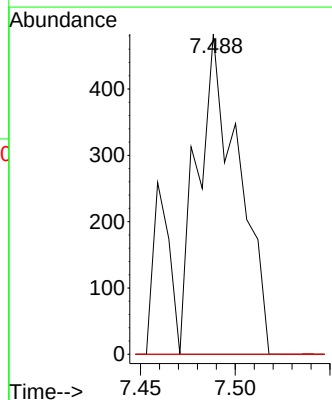
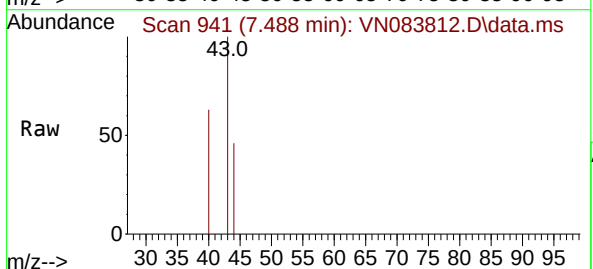
RT: 7.488 min Scan# 941

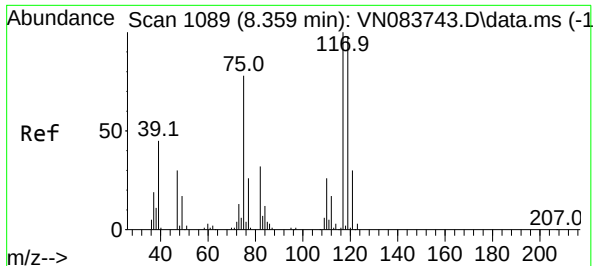
Delta R.T. -0.071 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

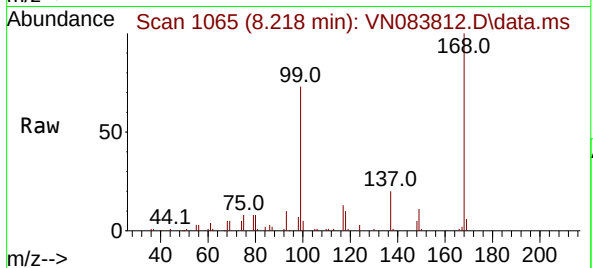
Tgt Ion: 43	Resp: 727
Ion Ratio	Lower Upper
43	100
61	0.0 11.1 16.7#
70	0.0 8.8 13.2#



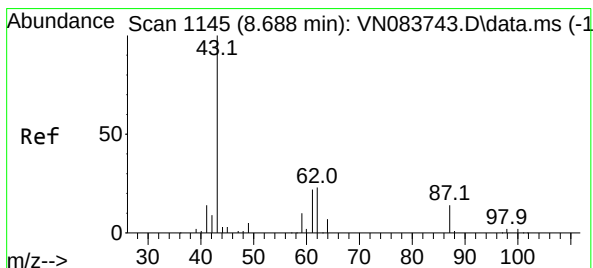
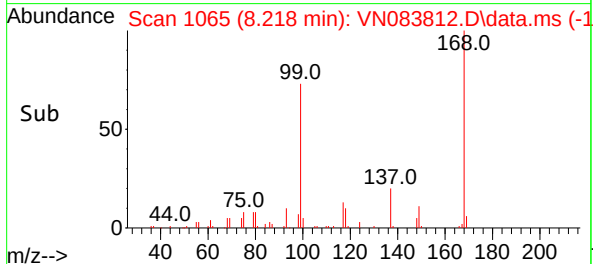
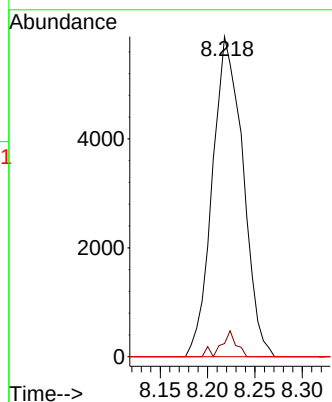


#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Instrument :
MSVOA_N
ClientSampleId :

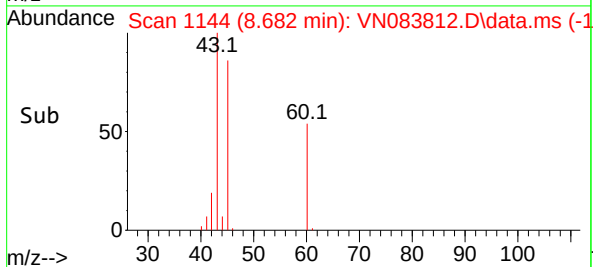
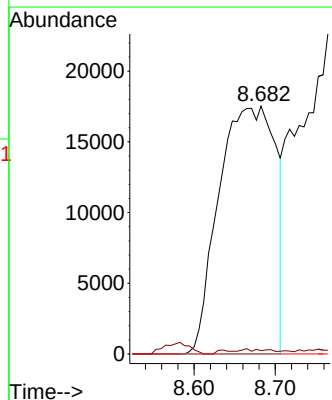
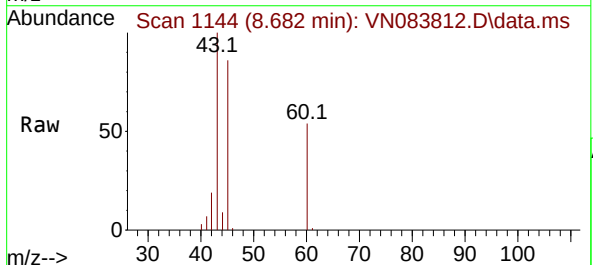


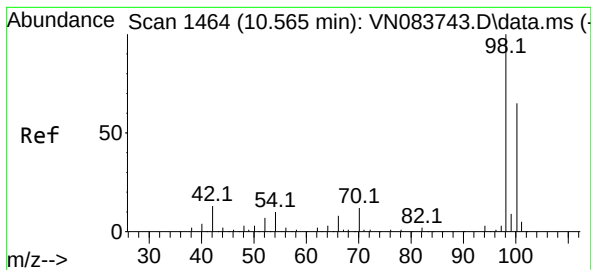
Tgt Ion:117 Resp: 13200
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 22.541 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Tgt Ion: 43 Resp: 85123
Ion Ratio Lower Upper
43 100
61 0.1 19.4 29.0#
87 0.0 9.8 14.6#





#50

Toluene-d8

Concen: 49.072 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

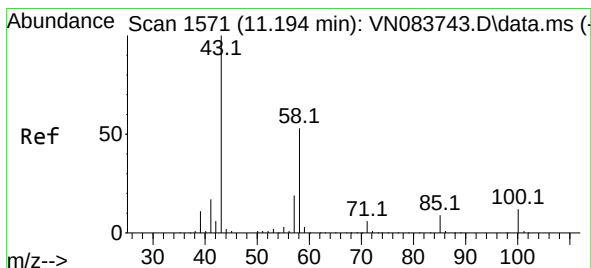
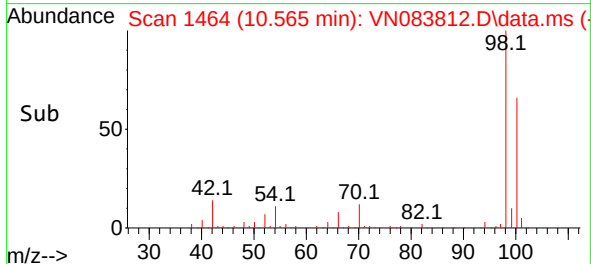
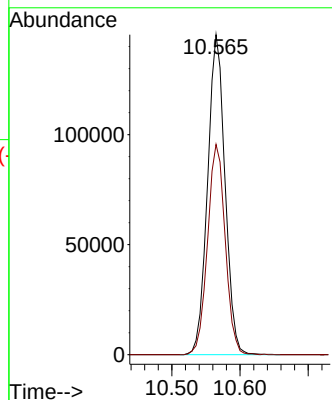
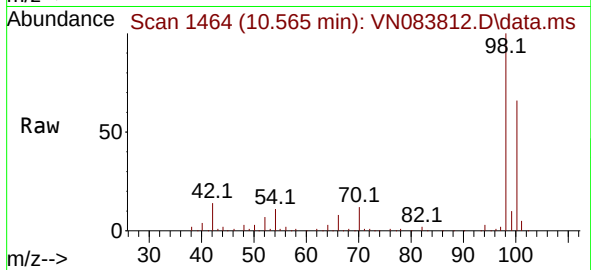
ClientSampleId :

Tgt Ion: 98 Resp: 258768

Ion Ratio Lower Upper

98 100

100 66.5 52.0 78.0



#59

2-Hexanone

Concen: 0.335 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.018 min

Lab File: VN083812.D

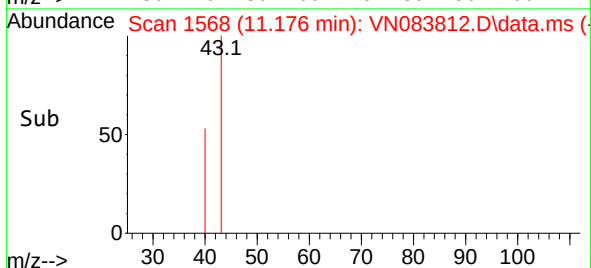
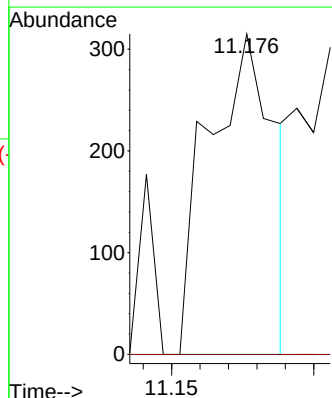
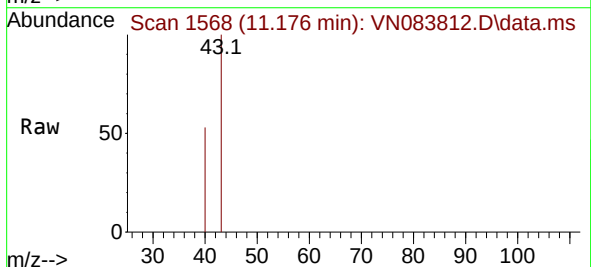
Acq: 11 Sep 2024 21:57

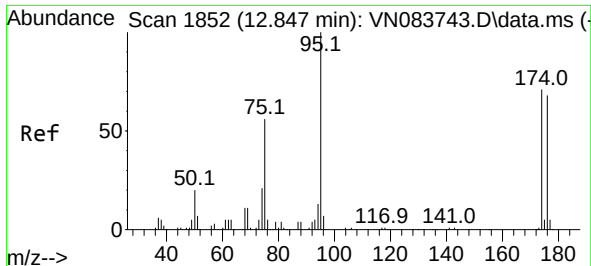
Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#





#62

4-Bromofluorobenzene

Concen: 57.671 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

ClientSampleId :

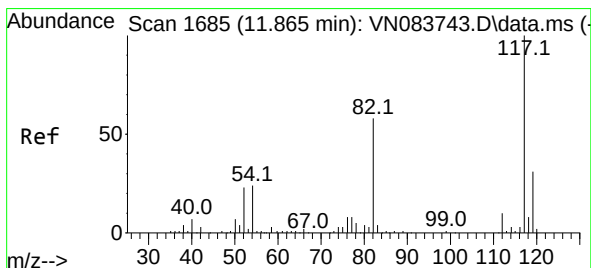
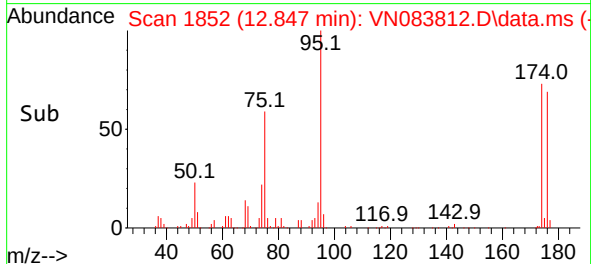
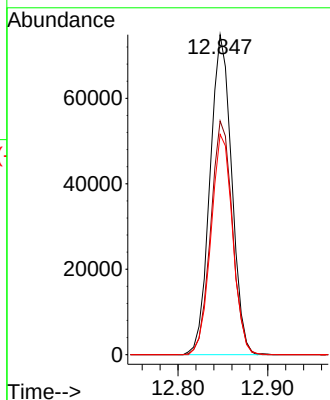
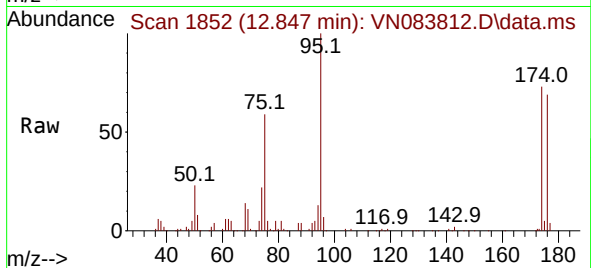
Tgt Ion: 95 Resp: 125469

Ion Ratio Lower Upper

95 100

174 73.1 0.0 139.8

176 68.9 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: VN083812.D

Acq: 11 Sep 2024 21:57

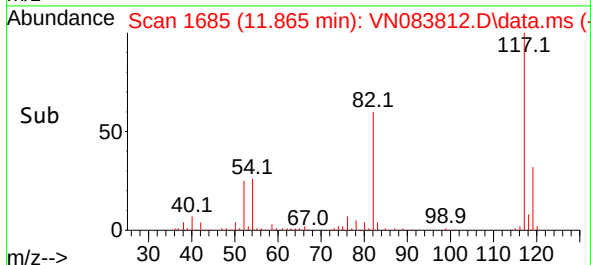
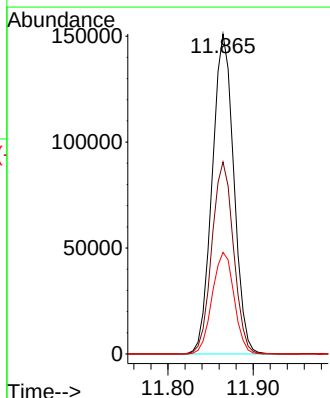
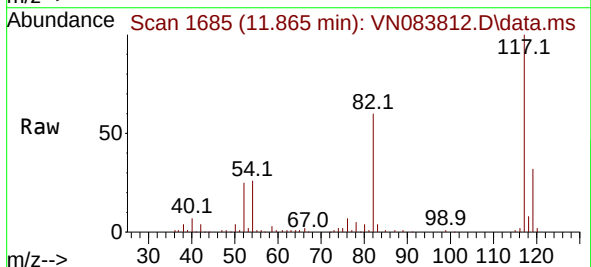
Tgt Ion: 117 Resp: 265946

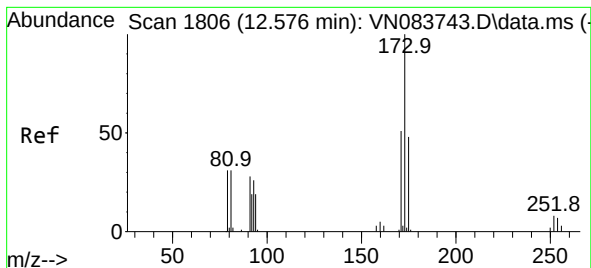
Ion Ratio Lower Upper

117 100

82 60.0 47.4 71.0

119 31.7 26.3 39.5





#71

Bromoform

Concen: 0.639 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

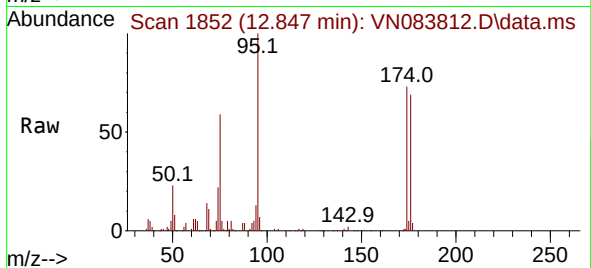
Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

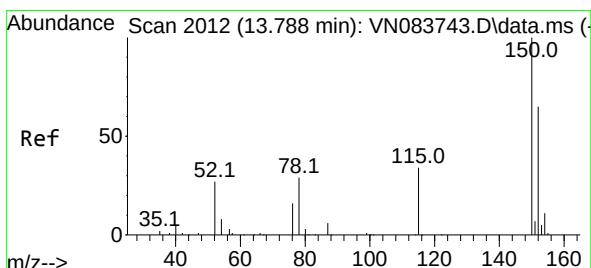
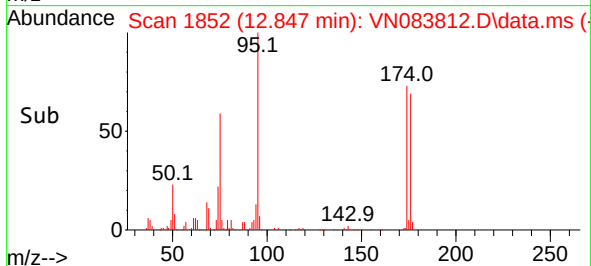
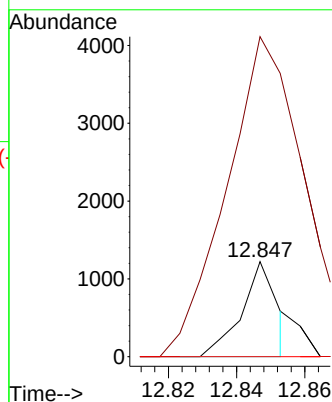
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	883
Ion Ratio	Lower	Upper	
173	100		
175	548.9	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

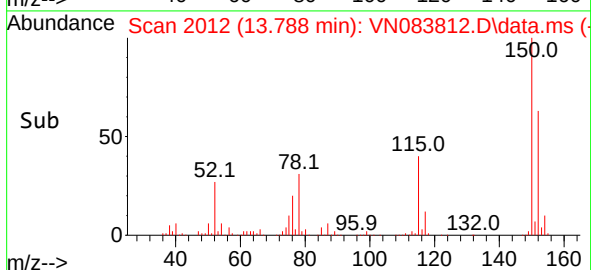
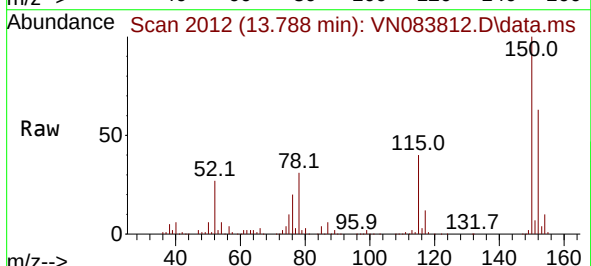
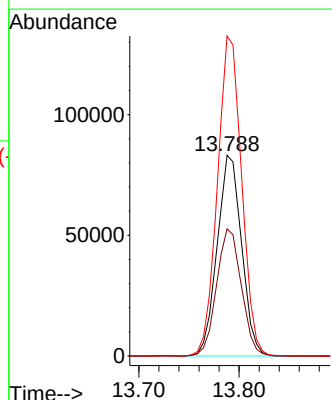
RT: 13.788 min Scan# 2012

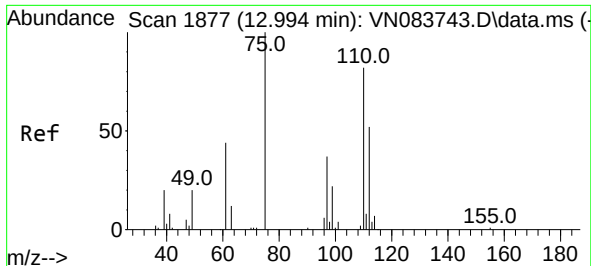
Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Tgt Ion:	152	Resp:	140545
Ion Ratio	Lower	Upper	
152	100		
115	64.1	32.2	96.6
150	158.2	0.0	348.6

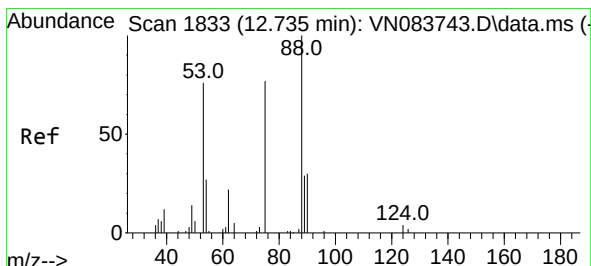
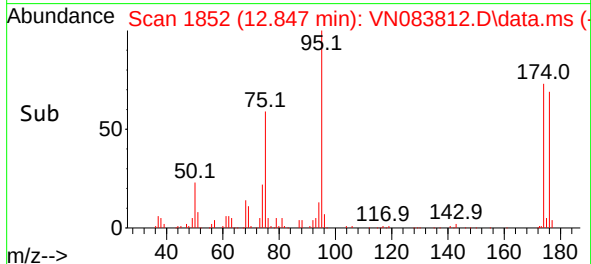
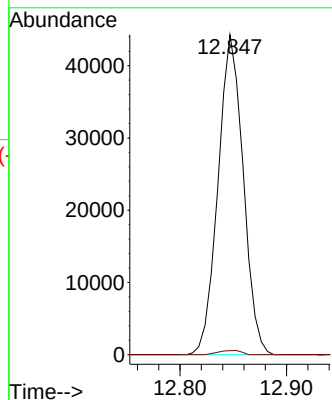
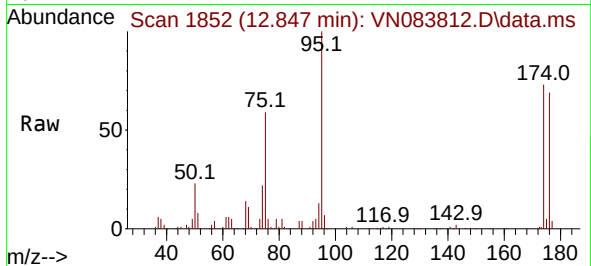




#76
1,2,3-Trichloropropane
Concen: 25.585 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

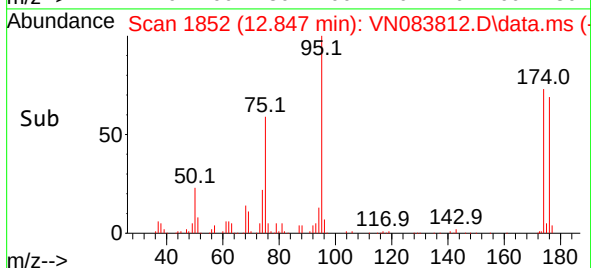
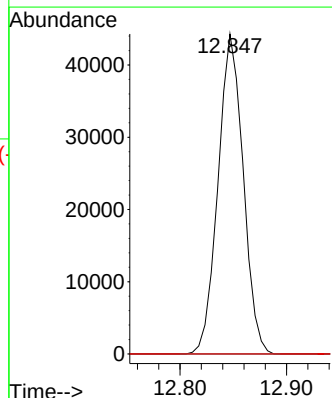
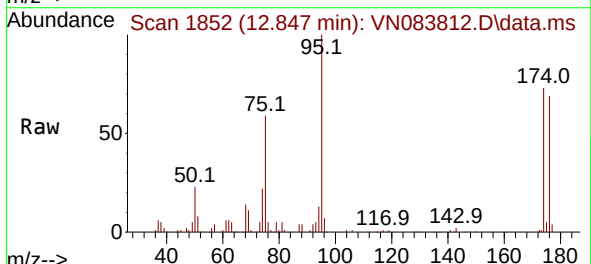
Instrument :
MSVOA_N
ClientSampleId :

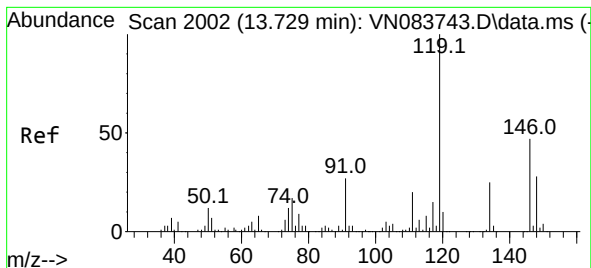
Tgt Ion: 75 Resp: 72558
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.010 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Tgt Ion: 75 Resp: 72558
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#86

p-Isopropyltoluene

Concen: 0.274 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN083812.D

Acq: 11 Sep 2024 21:57

Instrument :

MSVOA_N

ClientSampleId :

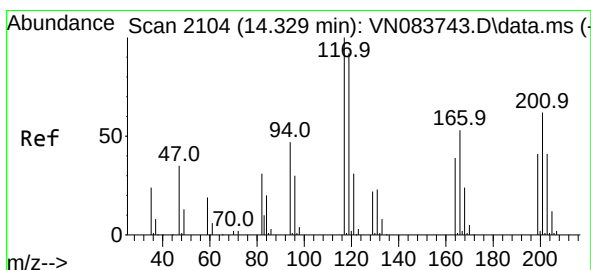
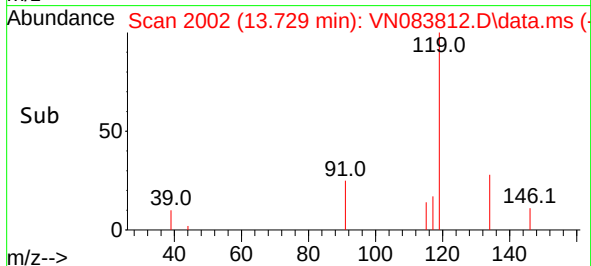
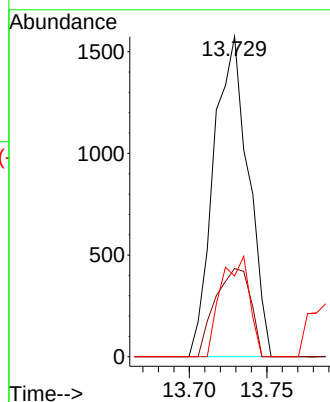
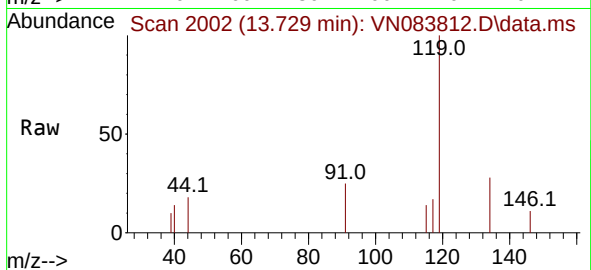
Tgt Ion:119 Resp: 2442

Ion Ratio Lower Upper

119 100

134 28.1 12.8 38.3

91 25.8 12.9 38.7



#90

Hexachloroethane

Concen: 0.913 ug/l

RT: 14.447 min Scan# 2124

Delta R.T. 0.118 min

Lab File: VN083812.D

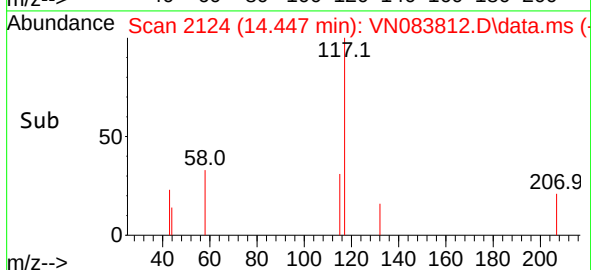
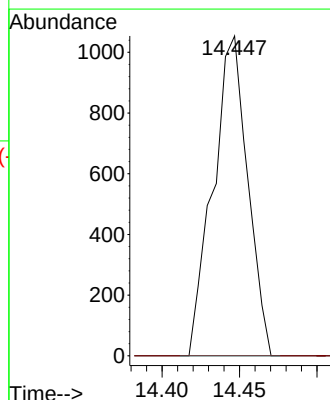
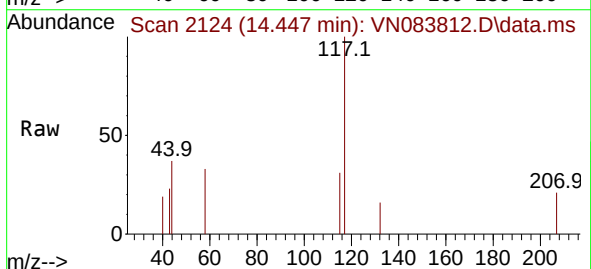
Acq: 11 Sep 2024 21:57

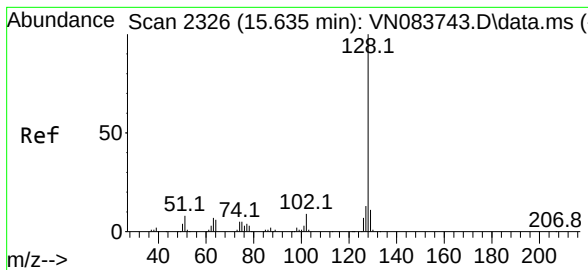
Tgt Ion:117 Resp: 1637

Ion Ratio Lower Upper

117 100

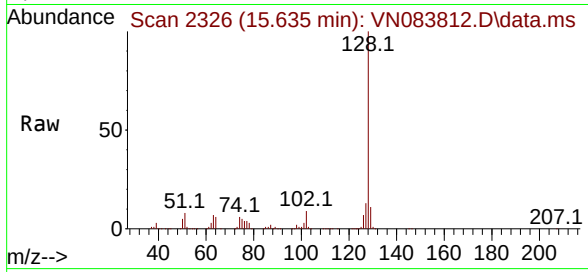
201 0.0 32.8 98.3#





#95
Naphthalene
Concen: 118.454 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN083812.D
Acq: 11 Sep 2024 21:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	921914
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.8	8.7	13.1

