

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084132.D
 Acq On : 24 Sep 2024 14:19
 Operator : JC\MD
 Sample : P4116-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20240916

Quant Time: Sep 25 01:34:06 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)

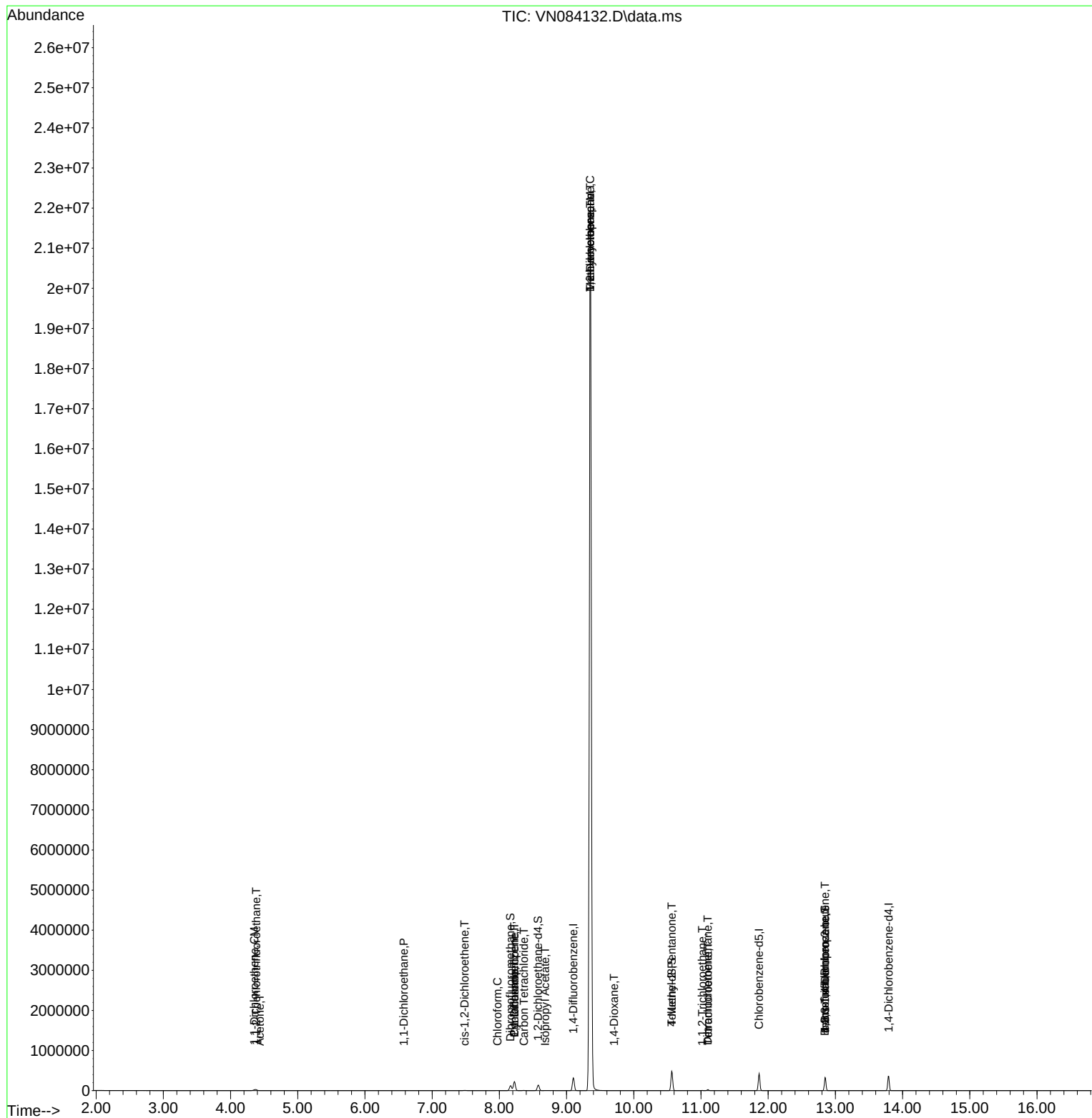
Internal Standards						
1) Pentafluorobenzene	8.224	168	153557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116590	50.354	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.700%			
35) Dibromofluoromethane	8.165	113	86509	50.640	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.280%			
50) Toluene-d8	10.565	98	327602	55.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.940%			
62) 4-Bromofluorobenzene	12.847	95	111385	45.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.420%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	320	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.383	101	17930	10.195	ug/l	98
12) 1,1-Dichloroethene	4.353	96	4461	2.686	ug/l	86
16) Acetone	4.436	43	518	0.558	ug/l #	45
24) 1,1-Dichloroethane	6.577	63	1305	0.372	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	4770	2.257	ug/l	85
30) Chloroform	7.971	83	3575	0.959	ug/l	93
31) Cyclohexane	8.224	56	4432	1.324	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	13873	5.395	ug/l #	49
38) Carbon Tetrachloride	8.365	117	4411	1.512	ug/l	97
39) Methylcyclohexane	9.353	83	104251	35.620	ug/l #	1
43) Isopropyl Acetate	8.683	43	1413	0.334	ug/l #	57
44) Trichloroethene	9.353	130	7348170	4100.105	ug/l	86
45) 1,2-Dichloropropane	9.353	63	27526	14.716	ug/l #	1
49) 1,4-Dioxane	9.706	88	284	8.603	ug/l #	83
51) 4-Methyl-2-Pentanone	10.565	43	1807	0.785	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	2279	1.290	ug/l	91
60) Dibromochloromethane	11.100	129	5847	2.956	ug/l #	10
64) Tetrachloroethene	11.106	164	6002	3.945	ug/l	90
71) Bromoform	12.841	173	359	0.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62046	33.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62046	87.024	ug/l #	9

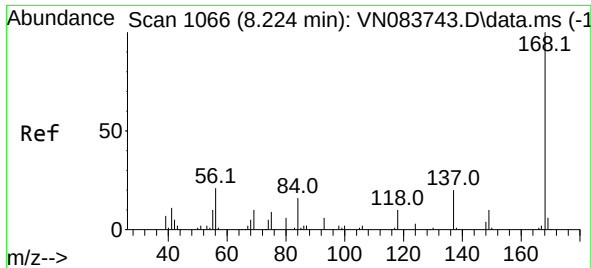
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
Data File : VN084132.D
Acq On : 24 Sep 2024 14:19
Operator : JC\MD
Sample : P4116-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

Quant Time: Sep 25 01:34:06 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

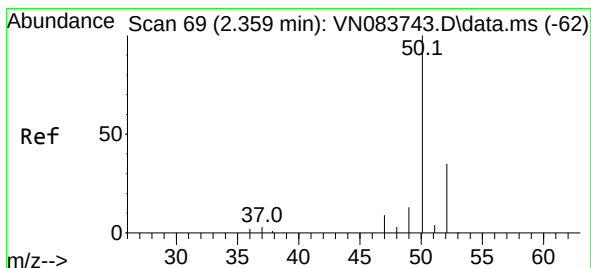
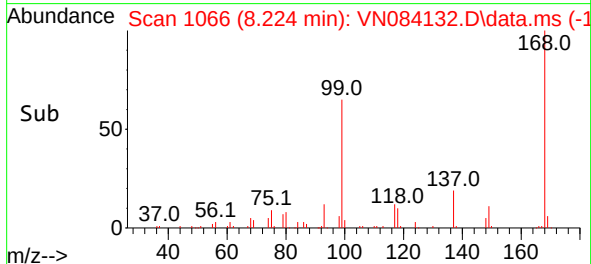
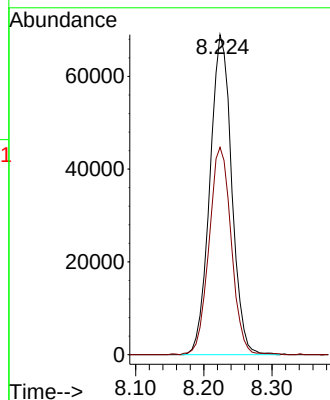
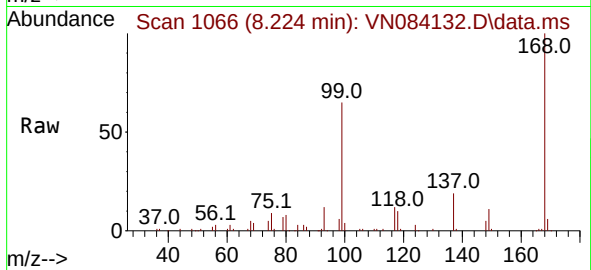




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

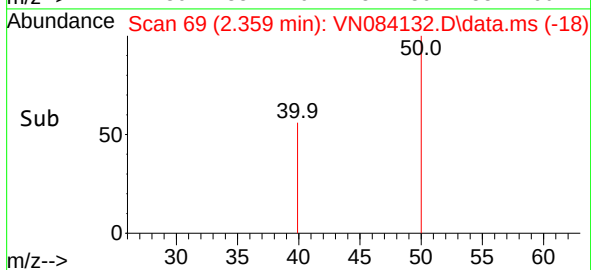
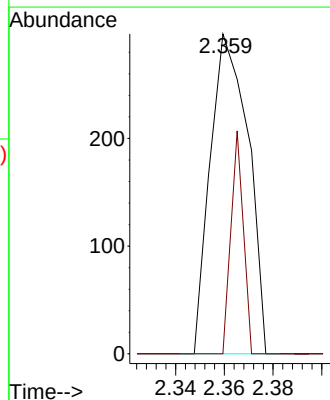
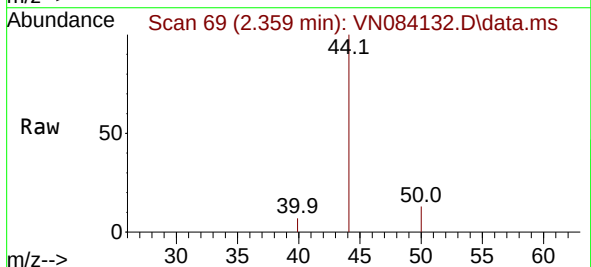
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

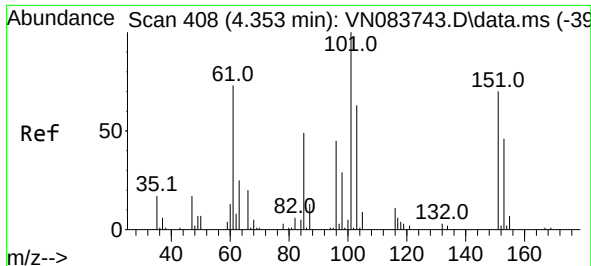
Tgt Ion:168 Resp: 153557
Ion Ratio Lower Upper
168 100
99 64.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion: 50 Resp: 320
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

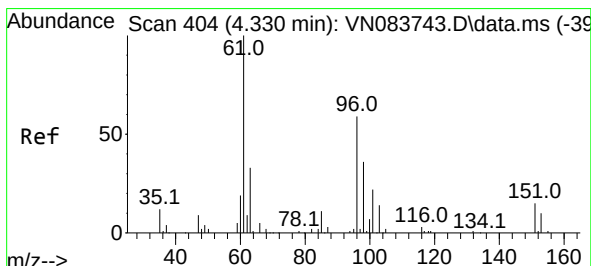
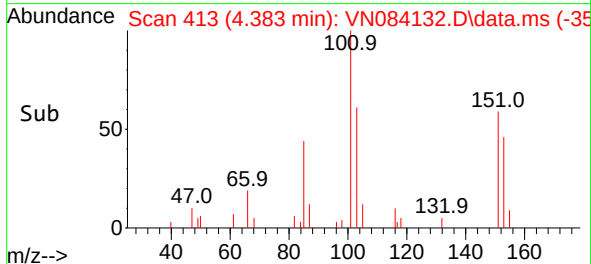
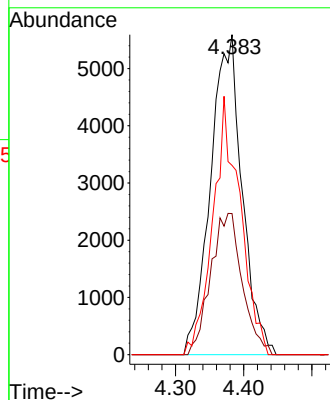
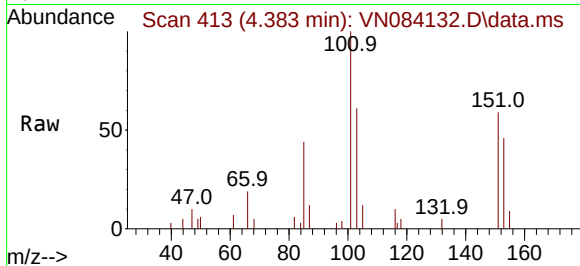




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.195 ug/l
 RT: 4.383 min Scan# 413
 Delta R.T. 0.029 min
 Lab File: VN084132.D
 Acq: 24 Sep 2024 14:19

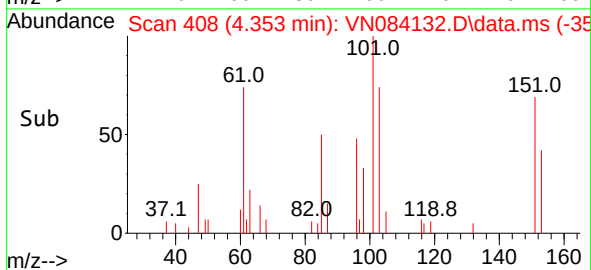
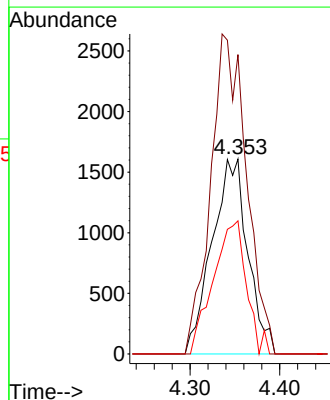
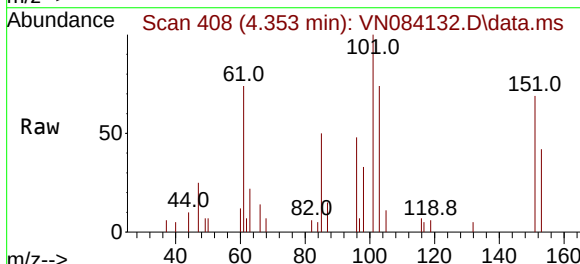
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20240916

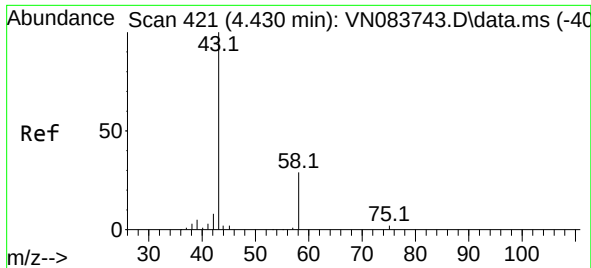
Tgt Ion:101 Resp: 17930
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.2 54.4
 151 70.0 57.7 86.5



#12
 1,1-Dichloroethene
 Concen: 2.686 ug/l
 RT: 4.353 min Scan# 408
 Delta R.T. 0.024 min
 Lab File: VN084132.D
 Acq: 24 Sep 2024 14:19

Tgt Ion: 96 Resp: 4461
 Ion Ratio Lower Upper
 96 100
 61 153.6 143.4 215.0
 98 68.3 52.7 79.1





#16

Acetone

Concen: 0.558 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

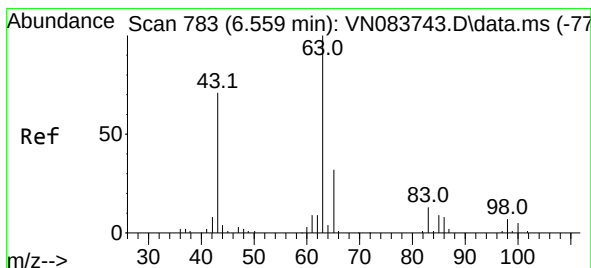
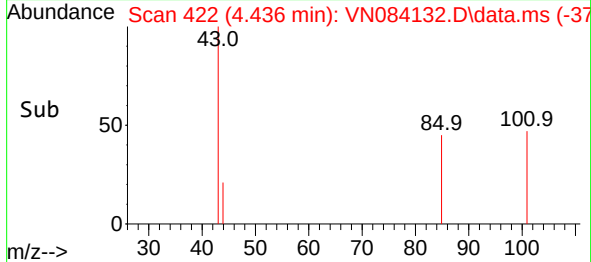
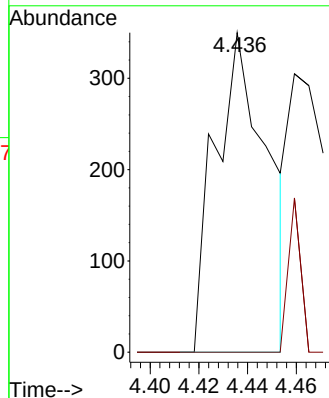
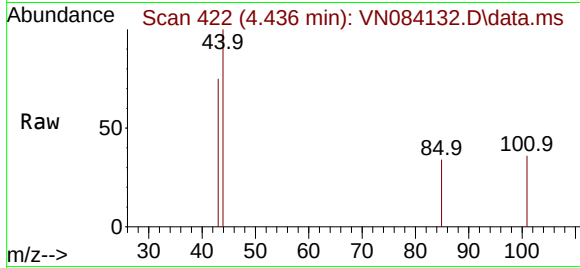
RE122D2-20240916

Tgt Ion: 43 Resp: 518

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#24

1,1-Dichloroethane

Concen: 0.372 ug/l

RT: 6.577 min Scan# 786

Delta R.T. 0.018 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

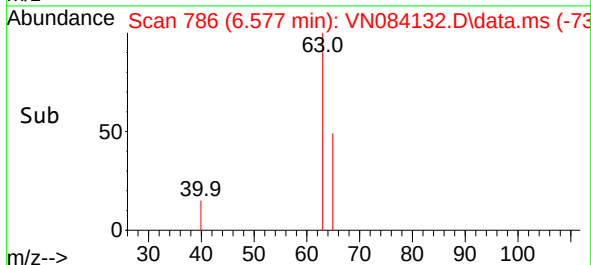
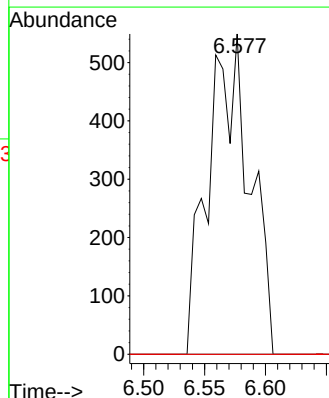
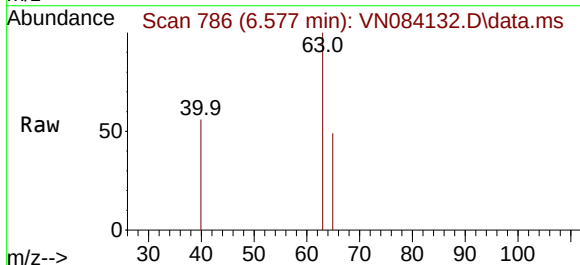
Tgt Ion: 63 Resp: 1305

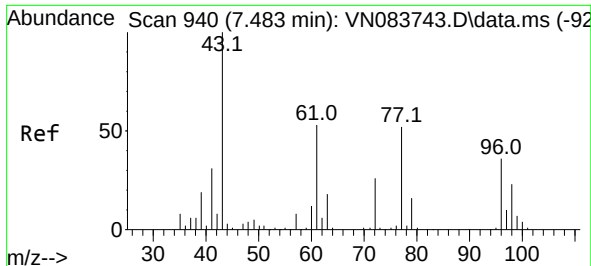
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#

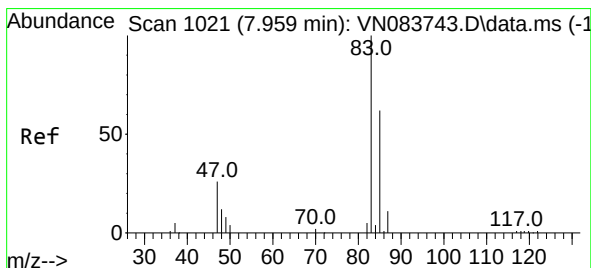
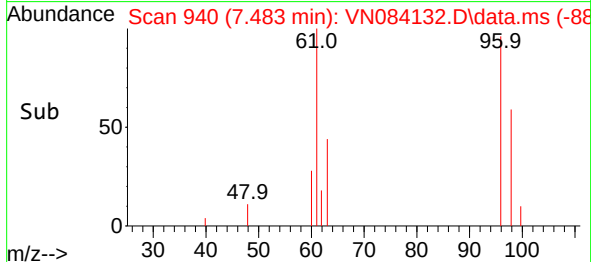
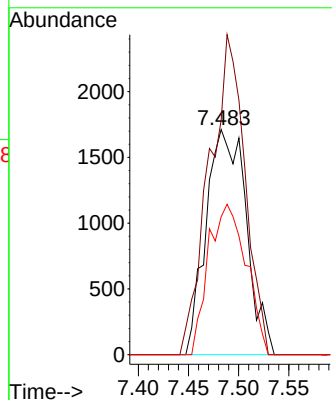
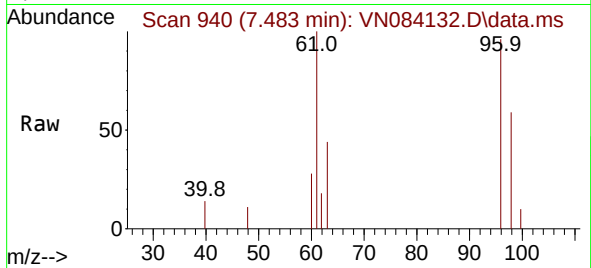




#27
 cis-1,2-Dichloroethene
 Concen: 2.257 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. -0.000 min
 Lab File: VN084132.D
 Acq: 24 Sep 2024 14:19

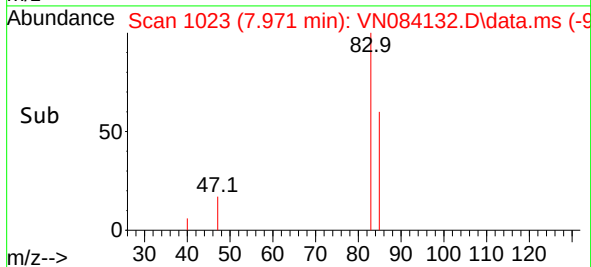
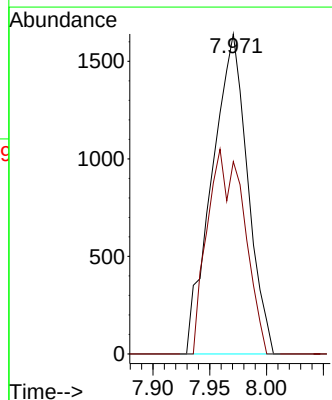
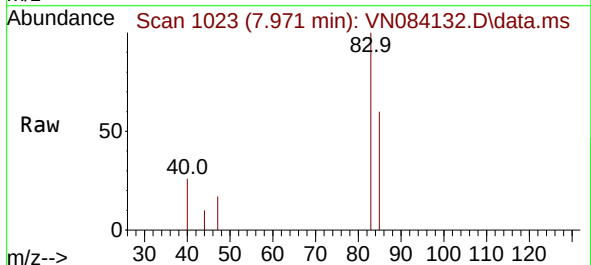
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D2-20240916

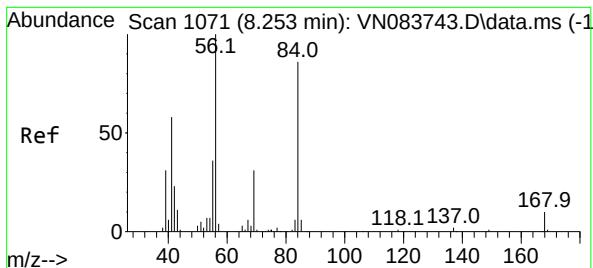
Tgt Ion: 96 Resp: 4770
 Ion Ratio Lower Upper
 96 100
 61 125.9 0.0 306.2
 98 63.0 0.0 128.6



#30
 Chloroform
 Concen: 0.959 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. 0.012 min
 Lab File: VN084132.D
 Acq: 24 Sep 2024 14:19

Tgt Ion: 83 Resp: 3575
 Ion Ratio Lower Upper
 83 100
 85 60.1 52.8 79.2





#31

Cyclohexane

Concen: 1.324 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20240916

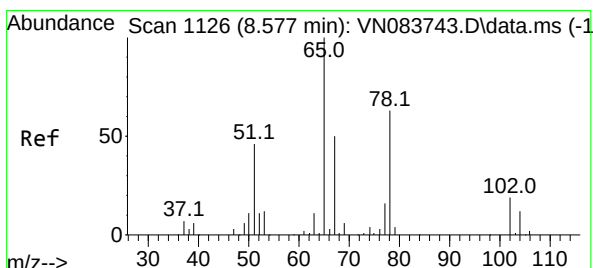
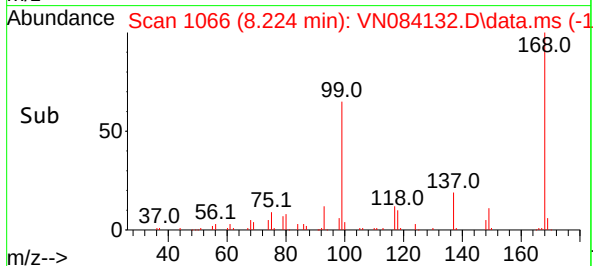
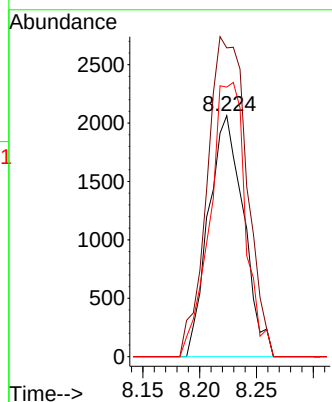
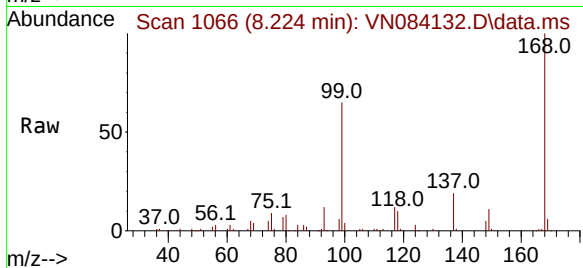
Tgt Ion: 56 Resp: 4432

Ion Ratio Lower Upper

56 100

69 128.2 26.9 40.3#

84 111.9 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 50.354 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084132.D

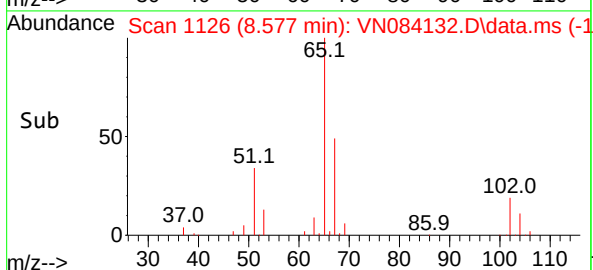
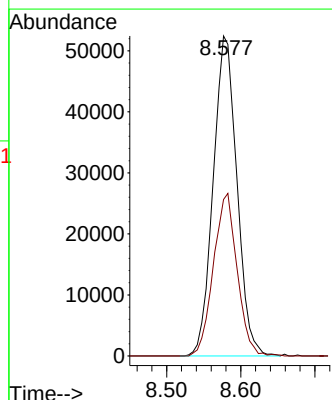
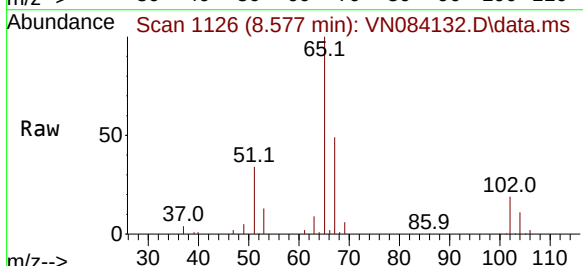
Acq: 24 Sep 2024 14:19

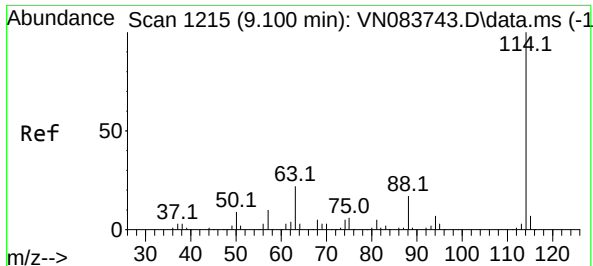
Tgt Ion: 65 Resp: 116590

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8

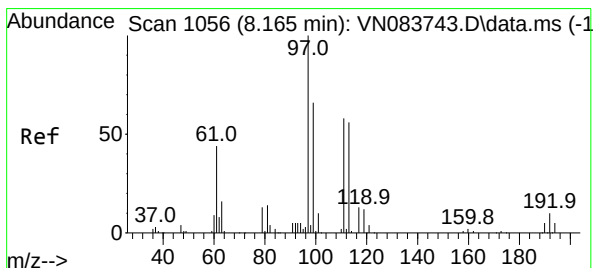
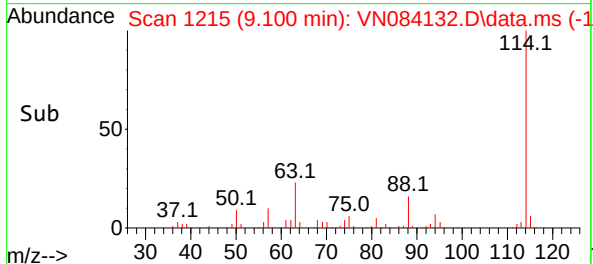
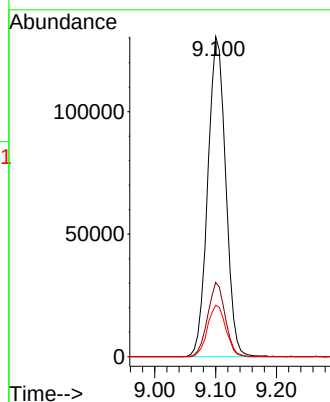
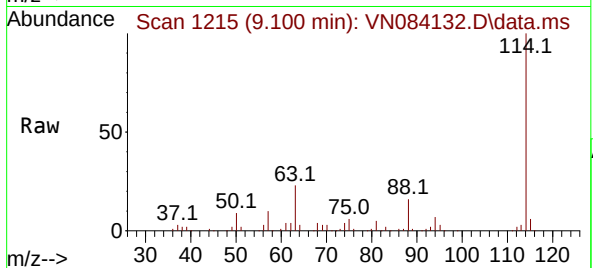




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

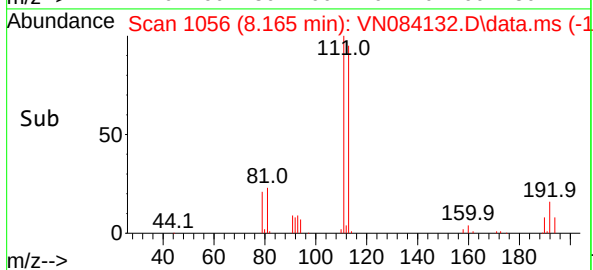
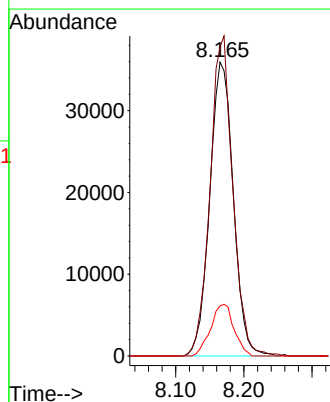
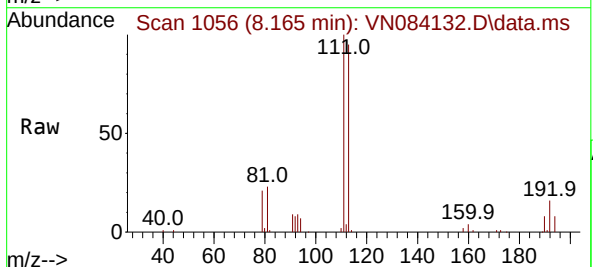
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

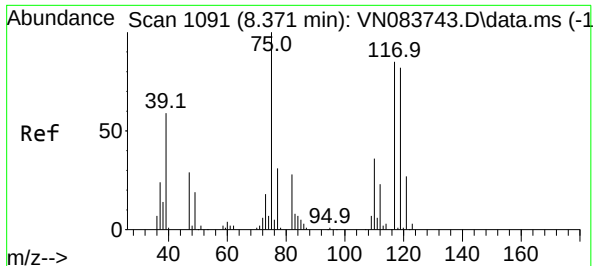
Tgt Ion:114 Resp: 266847
Ion Ratio Lower Upper
114 100
63 23.2 0.0 43.4
88 16.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.640 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion:113 Resp: 86509
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.395 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084132.D

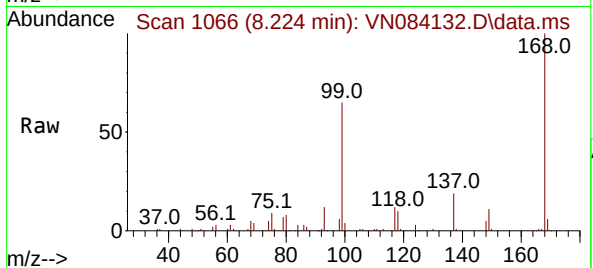
Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20240916



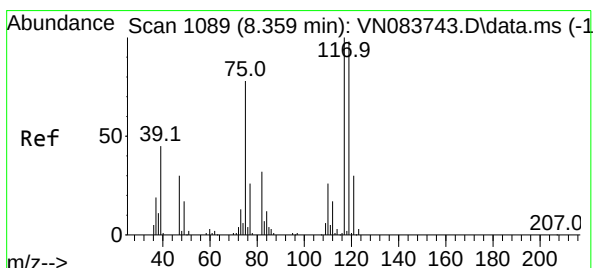
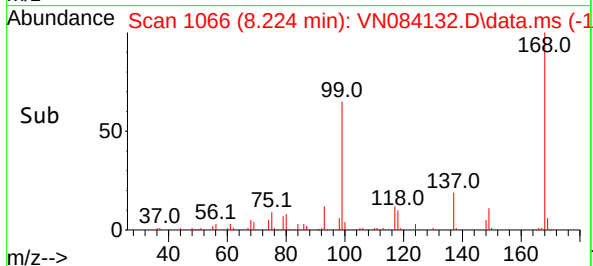
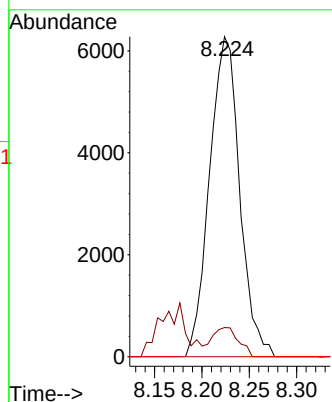
Tgt Ion: 75 Resp: 13873

Ion Ratio Lower Upper

75 100

110 8.0 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 1.512 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

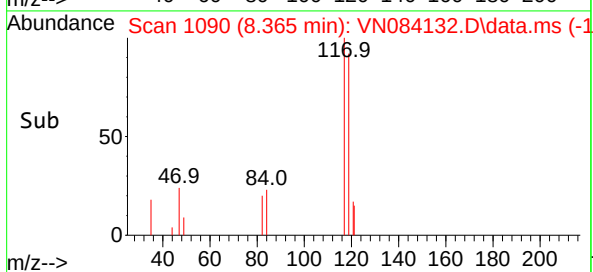
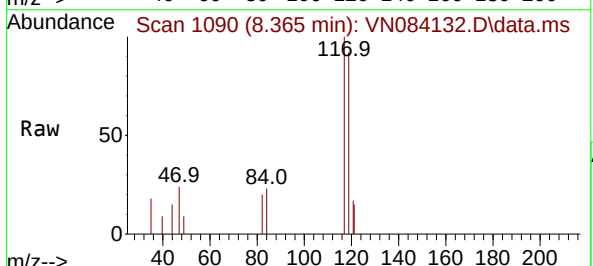
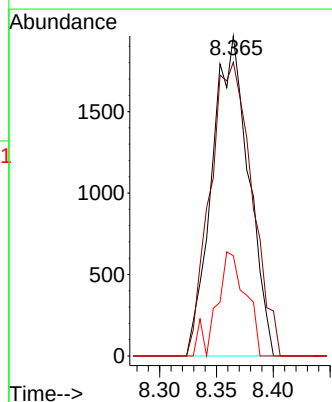
Tgt Ion: 117 Resp: 4411

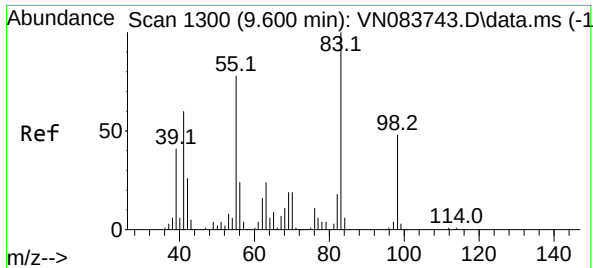
Ion Ratio Lower Upper

117 100

119 91.8 76.1 114.1

121 31.4 24.1 36.1





#39

Methylcyclohexane

Concen: 35.620 ug/l

RT: 9.353 min Scan# 1125

Delta R.T. -0.247 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20240916

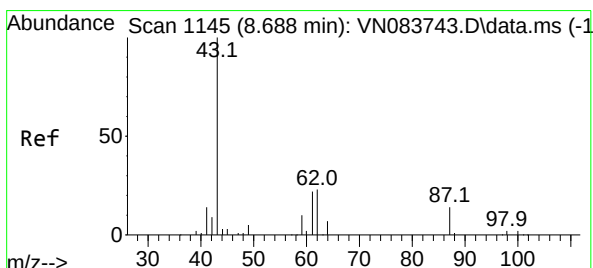
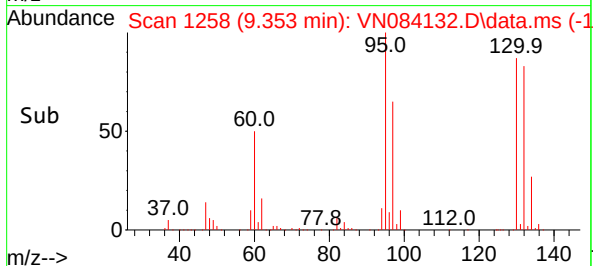
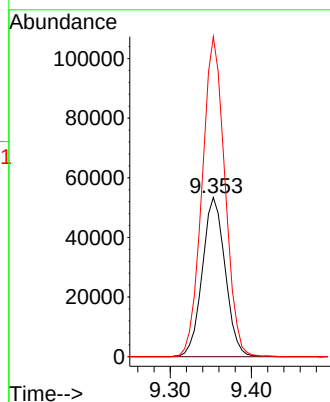
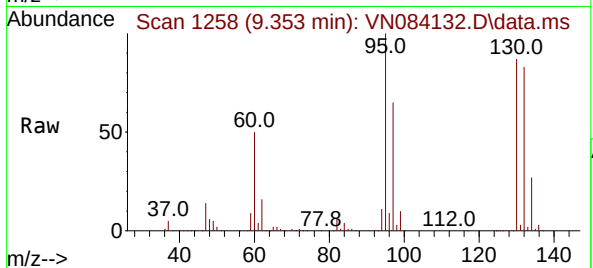
Tgt Ion: 83 Resp: 104251

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 201.1 37.6 56.4#



#43

Isopropyl Acetate

Concen: 0.334 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

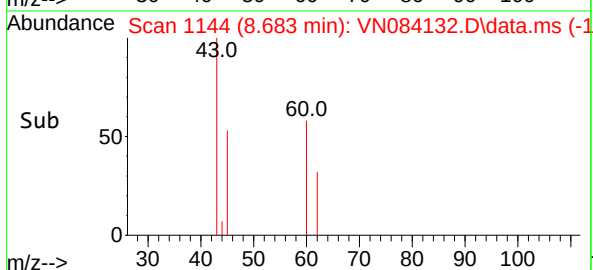
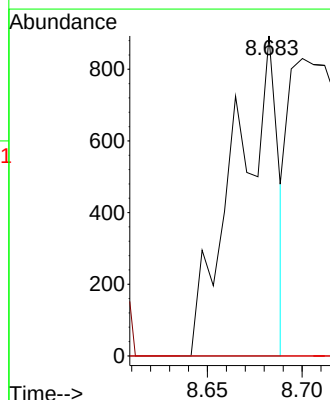
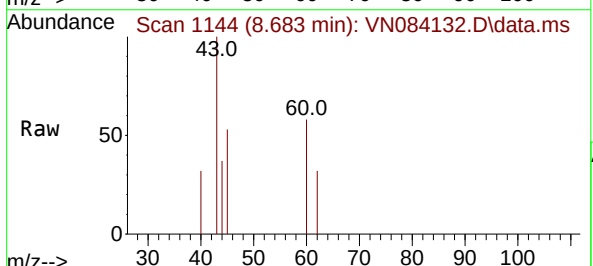
Tgt Ion: 43 Resp: 1413

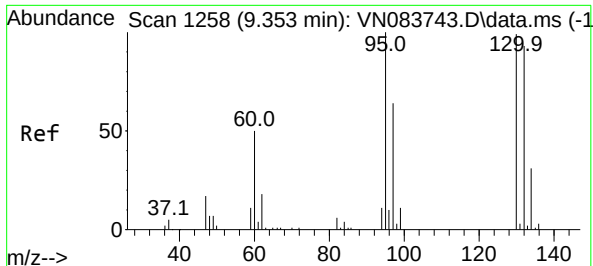
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

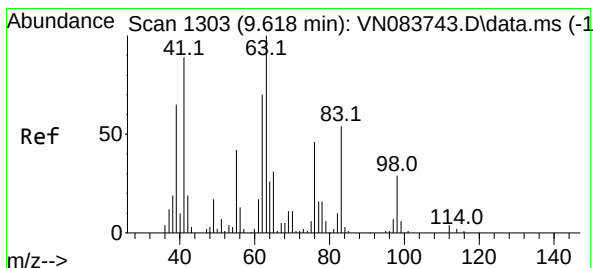
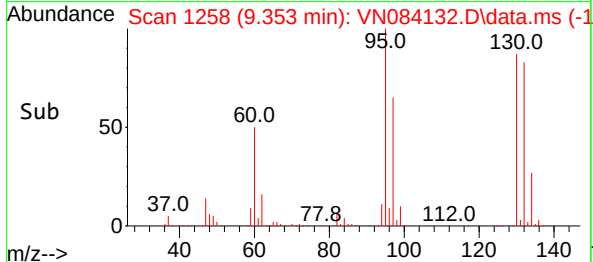
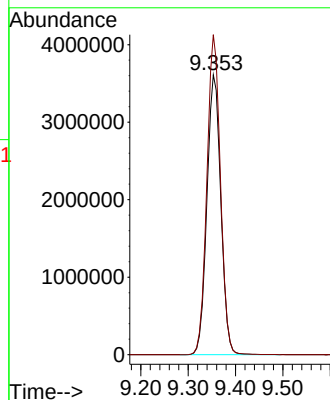
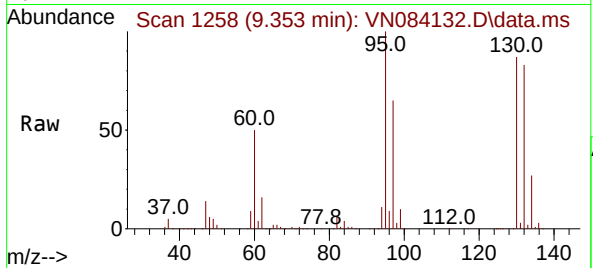




#44
Trichloroethene
Concen: 4100.105 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

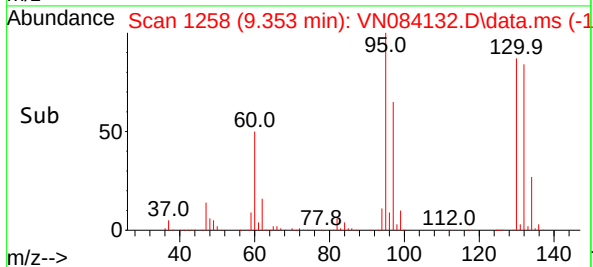
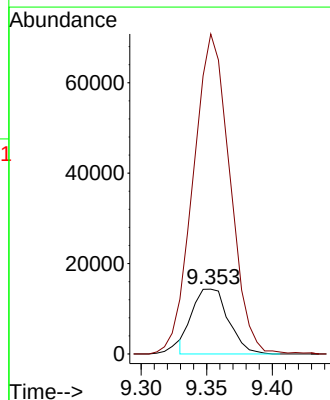
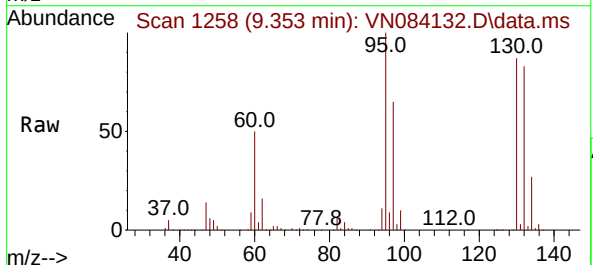
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

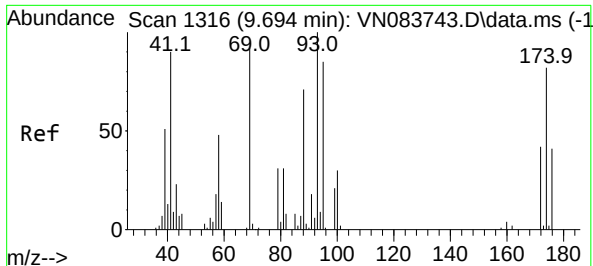
Tgt Ion:130 Resp: 7348170
Ion Ratio Lower Upper
130 100
95 114.3 0.0 200.4



#45
1,2-Dichloropropane
Concen: 14.716 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.265 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion: 63 Resp: 27526
Ion Ratio Lower Upper
63 100
65 491.2 25.9 38.9#





#49

1,4-Dioxane

Concen: 8.603 ug/l

RT: 9.706 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

RE122D2-20240916

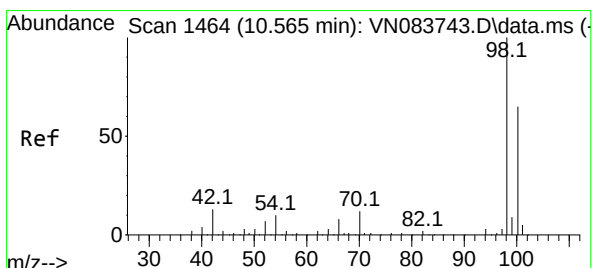
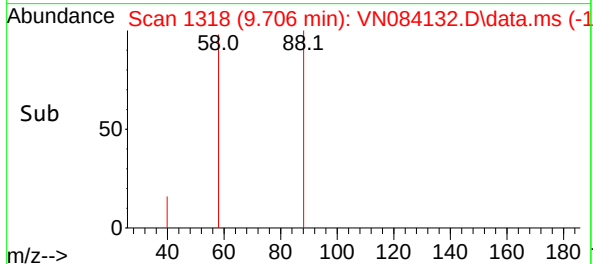
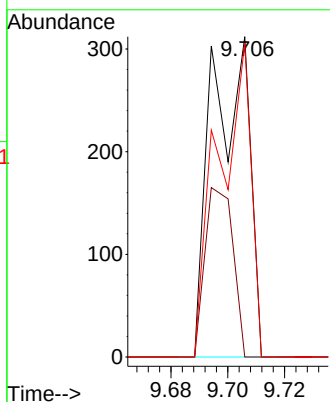
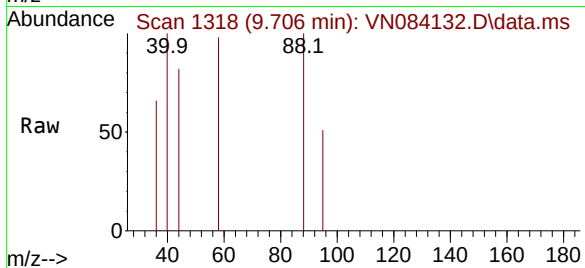
Tgt Ion: 88 Resp: 284

Ion Ratio Lower Upper

88 100

43 39.8 0.0 0.0#

58 85.6 57.1 85.7



#50

Toluene-d8

Concen: 55.472 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084132.D

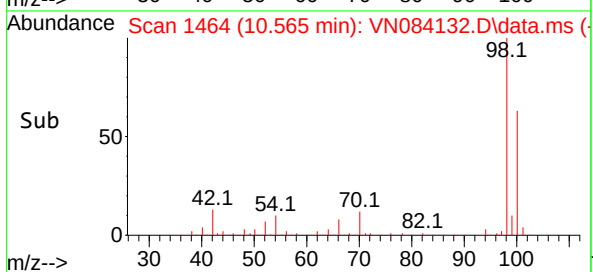
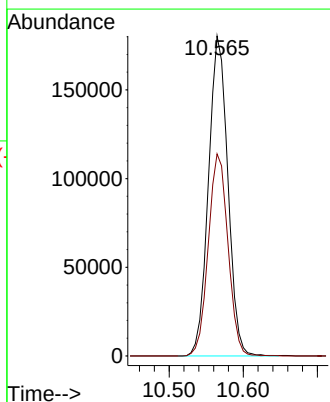
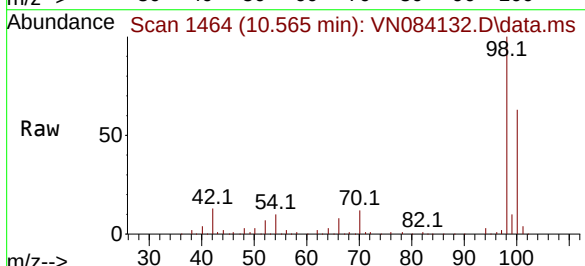
Acq: 24 Sep 2024 14:19

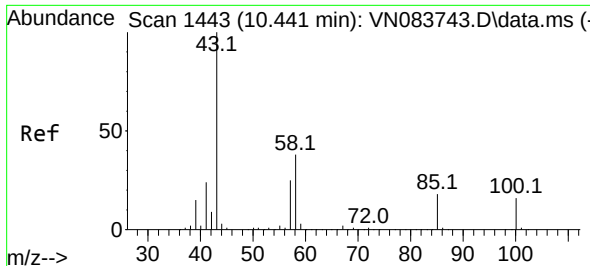
Tgt Ion: 98 Resp: 327602

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.785 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.124 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

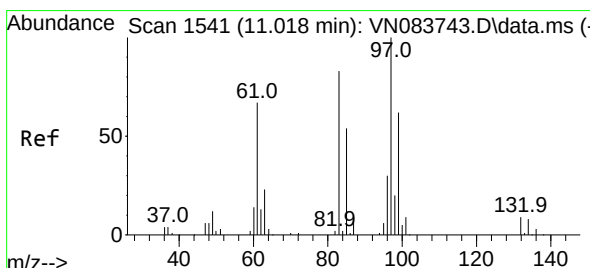
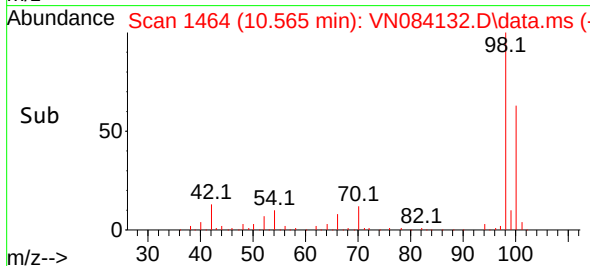
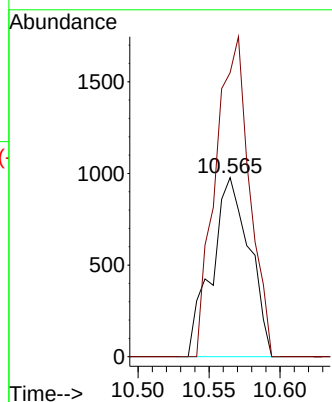
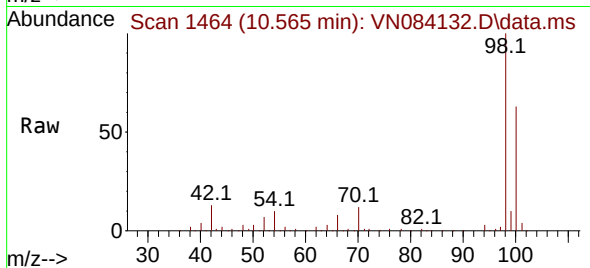
RE122D2-20240916

Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

58 161.4 31.6 47.4#



#55

1,1,2-Trichloroethane

Concen: 1.290 ug/l

RT: 11.018 min Scan# 1541

Delta R.T. 0.000 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Tgt Ion: 97 Resp: 2279

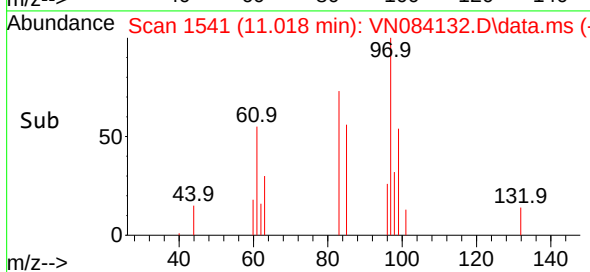
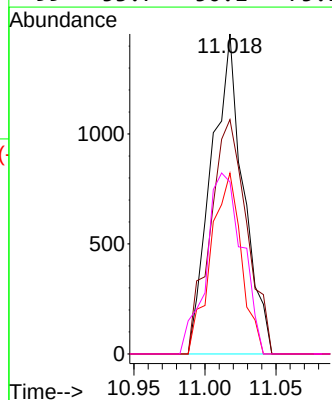
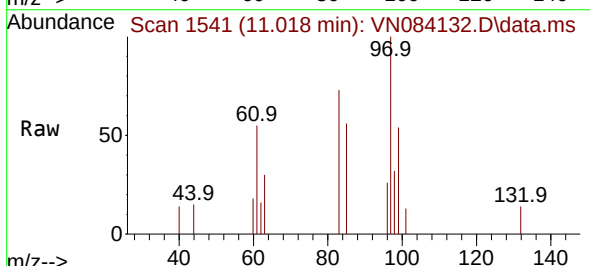
Ion Ratio Lower Upper

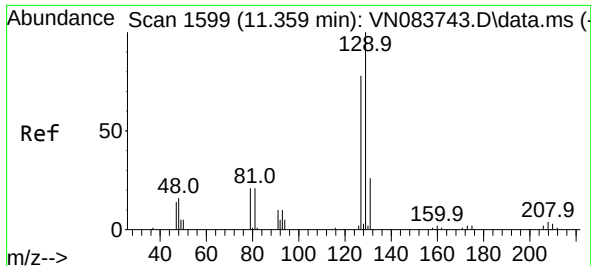
97 100

83 73.3 67.5 101.3

85 56.5 44.2 66.2

99 53.7 50.1 75.1

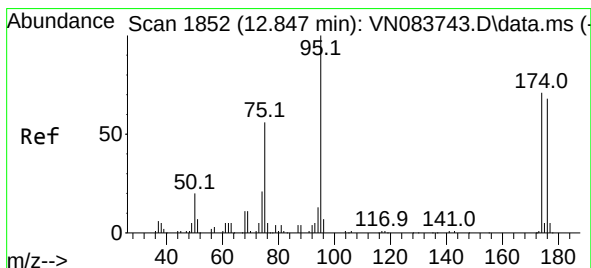
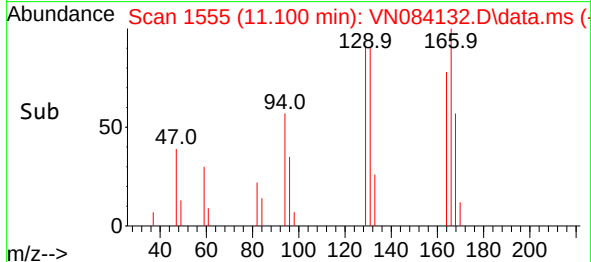
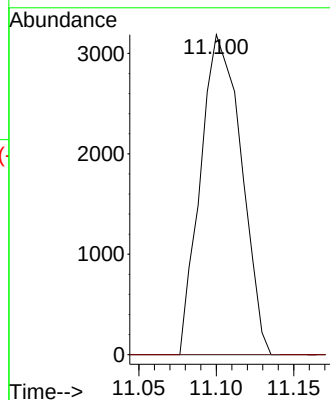
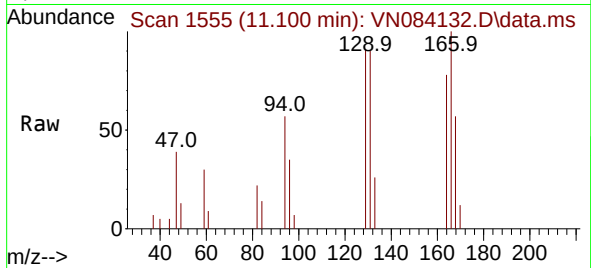




#60
Dibromochloromethane
Concen: 2.956 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

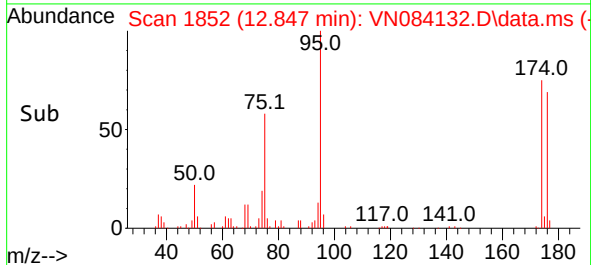
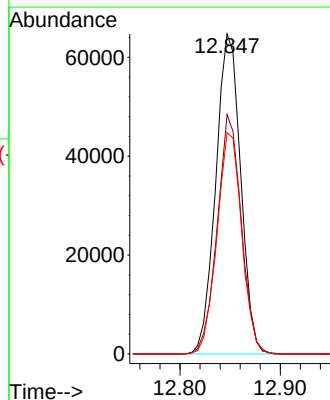
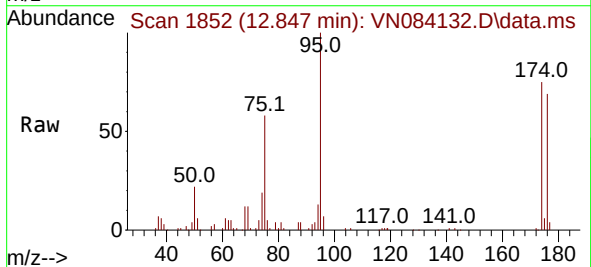
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

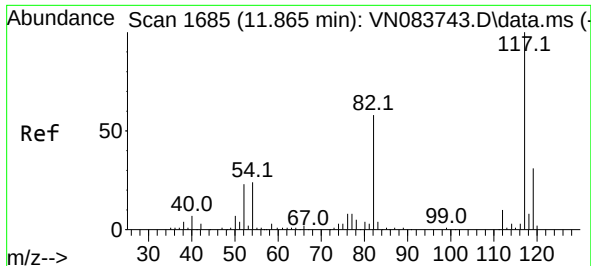
Tgt Ion:129 Resp: 5847
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 45.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion: 95 Resp: 111385
Ion Ratio Lower Upper
95 100
174 72.6 0.0 139.8
176 68.8 0.0 131.4

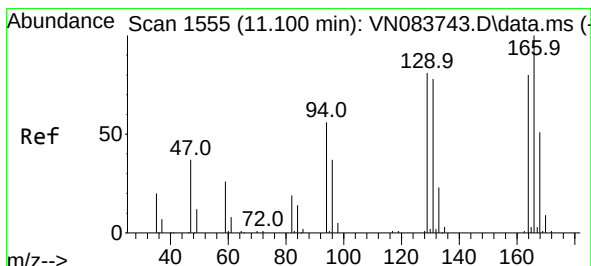
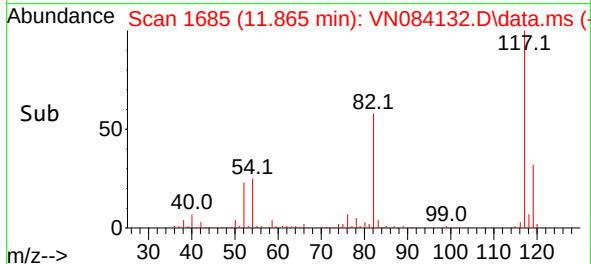
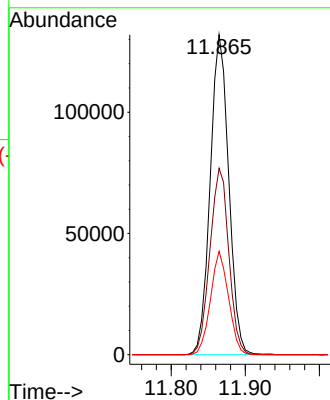
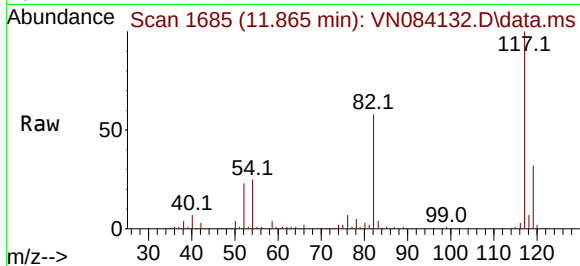




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

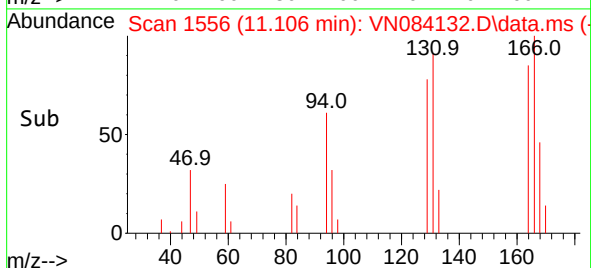
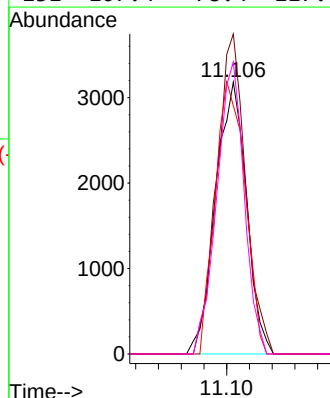
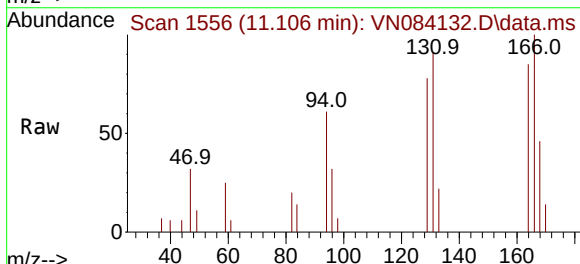
Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

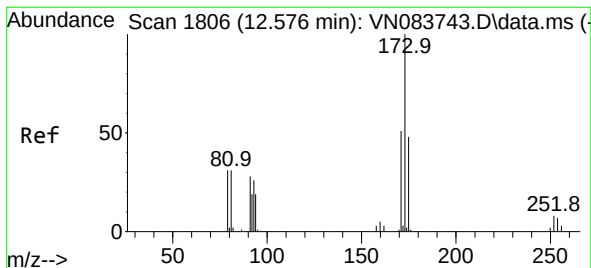
Tgt Ion:	117	Resp:	228792
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	32.3	26.3	39.5



#64
Tetrachloroethene
Concen: 3.945 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion:	164	Resp:	6002
Ion	Ratio	Lower	Upper
164	100		
166	117.7	103.7	155.5
129	91.3	79.9	119.9
131	107.4	78.4	117.6





#71

Bromoform

Concen: 0.302 ug/l

RT: 12.841 min Scan# 1

Delta R.T. 0.265 min

Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Instrument :

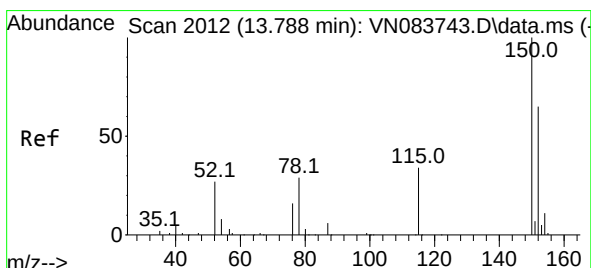
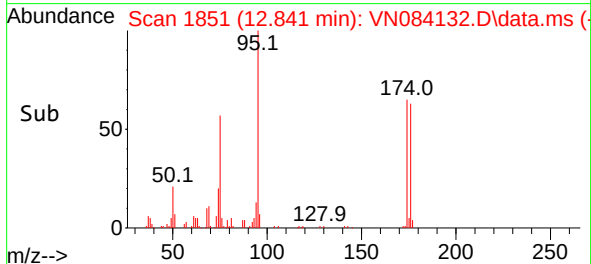
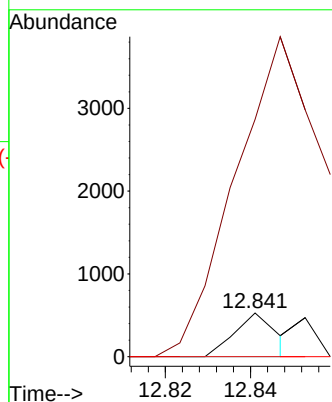
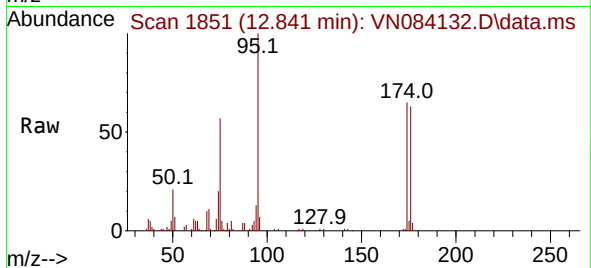
MSVOA_N

ClientSampleId :

RE122D2-20240916

Tgt Ion:173 Resp: 359

Ion	Ratio	Lower	Upper
173	100		
175	1256.8	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# 2013

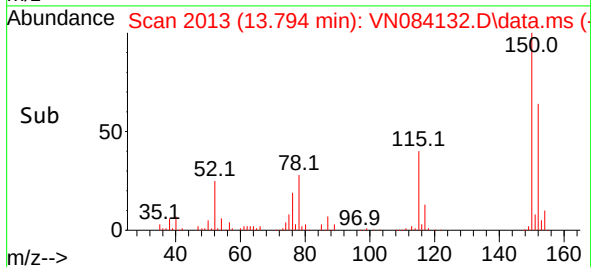
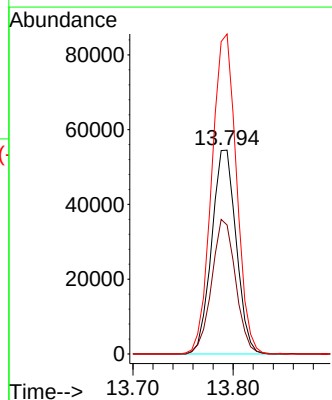
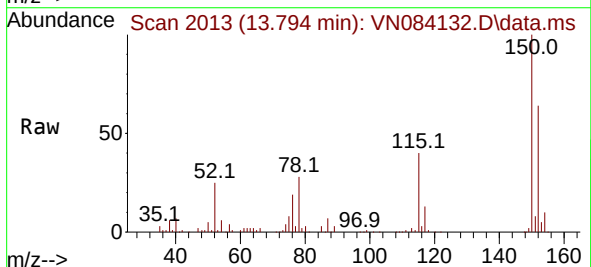
Delta R.T. 0.006 min

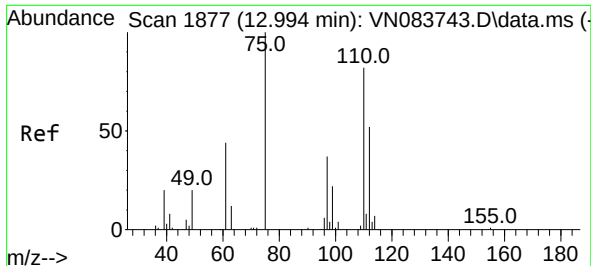
Lab File: VN084132.D

Acq: 24 Sep 2024 14:19

Tgt Ion:152 Resp: 92543

Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.2	96.6
150	158.5	0.0	348.6

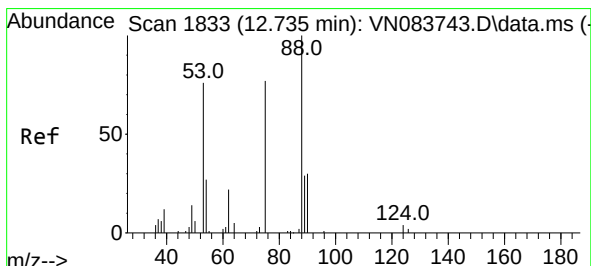
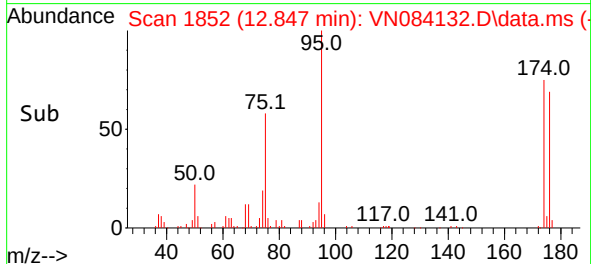
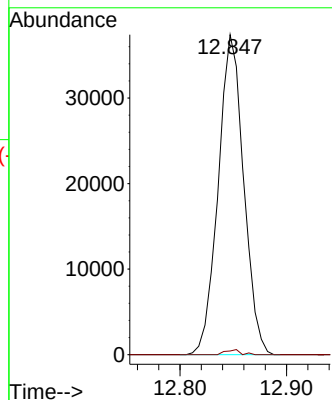
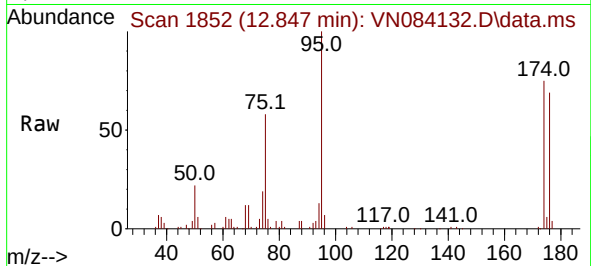




#76
1,2,3-Trichloropropane
Concen: 33.227 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Instrument :
MSVOA_N
ClientSampleId :
RE122D2-20240916

Tgt Ion: 75 Resp: 62046
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084132.D
Acq: 24 Sep 2024 14:19

Tgt Ion: 75 Resp: 62046
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

