

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083732.D
 Acq On : 09 Sep 2024 21:24
 Operator : JC\MD
 Sample : P3841-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:18:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

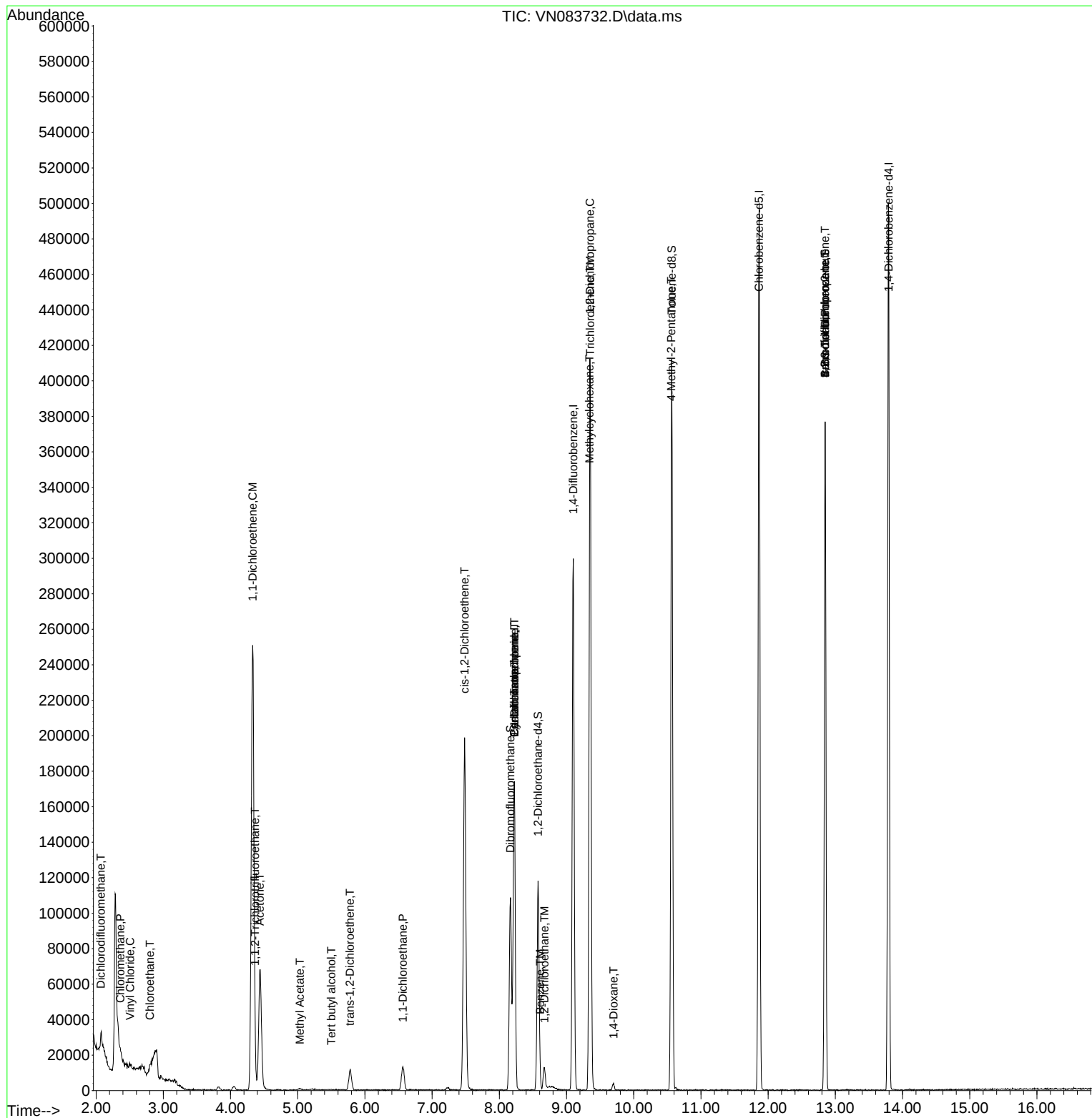
Internal Standards						
1) Pentafluorobenzene	8.224	168	120320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96391	57.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.640%			
35) Dibromofluoromethane	8.165	113	75743	51.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	10.565	98	266966	46.268	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.540%			
62) 4-Bromofluorobenzene	12.847	95	127616	59.660	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.071	85	946	0.743	ug/l #	55
3) Chloromethane	2.359	50	1686	1.137	ug/l #	87
4) Vinyl Chloride	2.507	62	945	0.637	ug/l #	56
6) Chloroethane	2.801	64	941	0.970	ug/l #	83
9) 1,1,2-Trichlorotrifluo...	4.365	101	904	0.682	ug/l #	46
11) Tert butyl alcohol	5.500	59	54	0.206	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	142246	107.916	ug/l	99
16) Acetone	4.436	43	4209	6.277	ug/l #	85
18) Methyl Acetate	5.030	43	1675	0.939	ug/l #	77
21) trans-1,2-Dichloroethene	5.777	96	7220	5.258	ug/l	94
24) 1,1-Dichloroethane	6.565	63	19765	7.479	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	112249	68.511	ug/l	89
31) Cyclohexane	8.224	56	3035	1.167	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	11340	5.014	ug/l #	50
38) Carbon Tetrachloride	8.224	117	13608	5.273	ug/l #	15
39) Methylcyclohexane	9.341	83	1821	0.671	ug/l #	1
40) Benzene	8.606	78	1747	0.251	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	11816	4.582	ug/l	99
43) Isopropyl Acetate	8.688	43	472	Below Cal	#	57
44) Trichloroethene	9.353	130	137395	82.091	ug/l	98
45) 1,2-Dichloropropane	9.347	63	501	0.309	ug/l #	1
49) 1,4-Dioxane	9.700	88	2576	85.151	ug/l #	90
51) 4-Methyl-2-Pentanone	10.559	43	1218	0.582	ug/l #	1
71) Bromoform	12.847	173	430	0.290	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73494	28.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73494	66.214	ug/l #	9

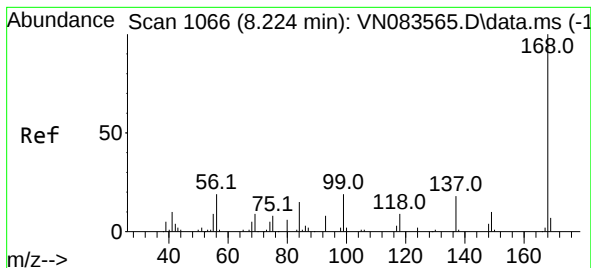
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
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Instrument :
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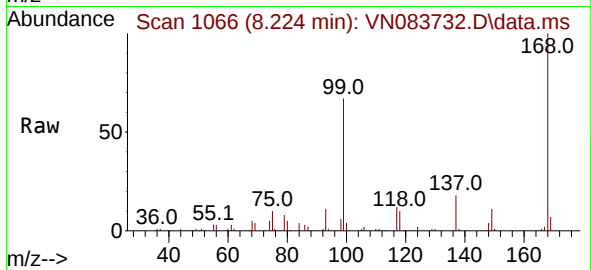
Quant Time: Sep 10 02:18:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
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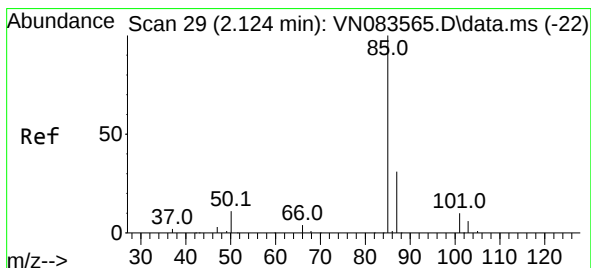
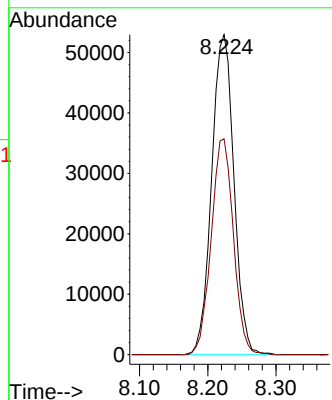
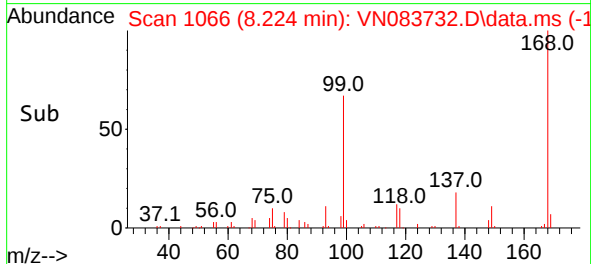


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Instrument :
MSVOA_N
ClientSampleId :

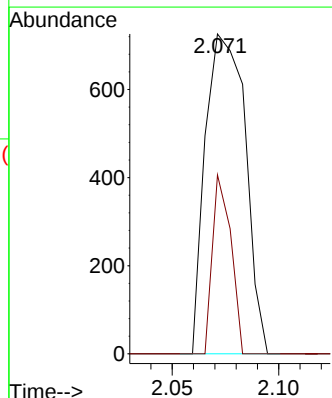
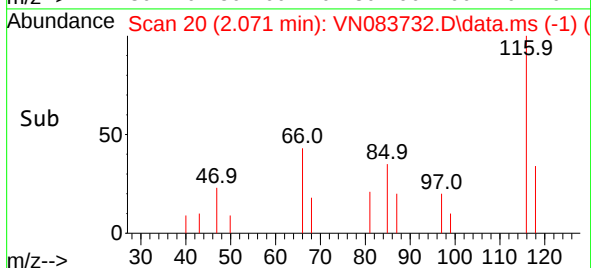
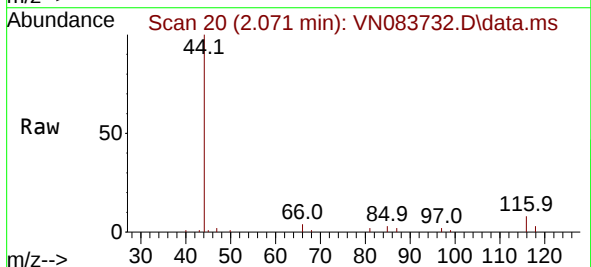


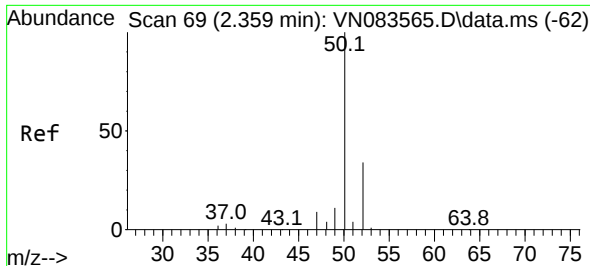
Tgt Ion:168 Resp: 120320
Ion Ratio Lower Upper
168 100
99 67.4 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.743 ug/l
RT: 2.071 min Scan# 20
Delta R.T. -0.053 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

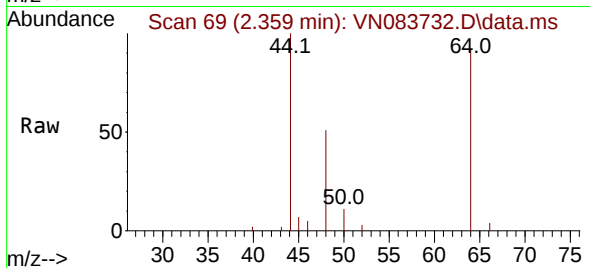
Tgt Ion: 85 Resp: 946
Ion Ratio Lower Upper
85 100
87 55.9 15.7 47.0#



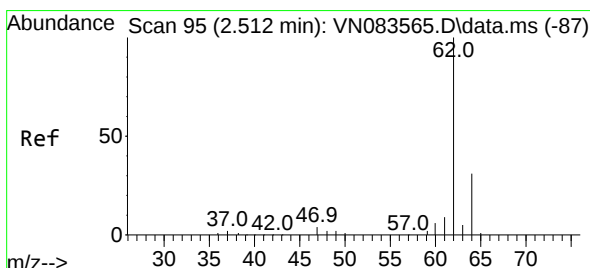
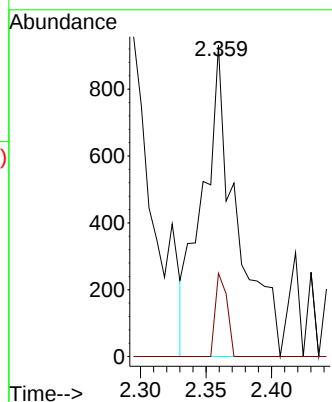
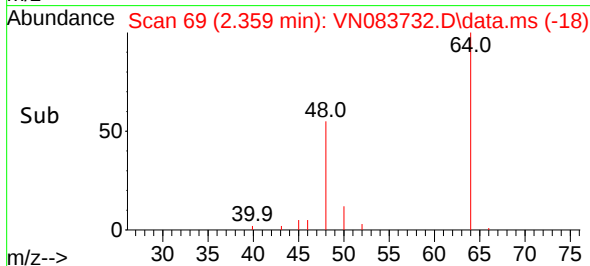


#3
 Chloromethane
 Concen: 1.137 ug/l
 RT: 2.359 min Scan# 69
 Delta R.T. 0.000 min
 Lab File: VN083732.D
 Acq: 09 Sep 2024 21:24

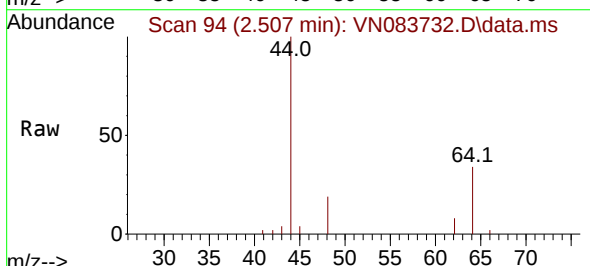
Instrument :
 MSVOA_N
 ClientSampleId :



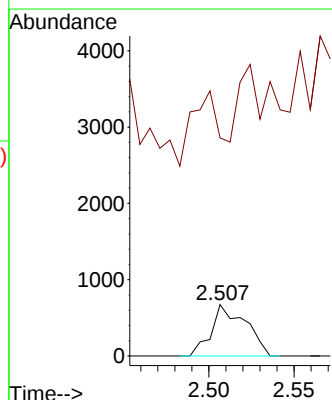
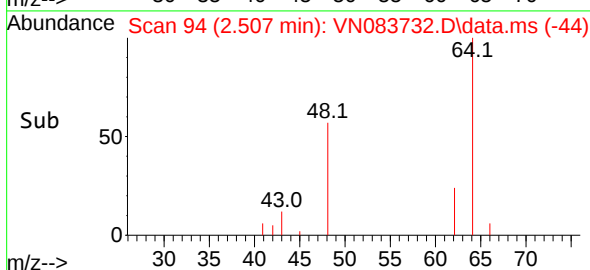
Tgt Ion: 50 Resp: 1686
 Ion Ratio Lower Upper
 50 100
 52 26.7 27.2 40.8#

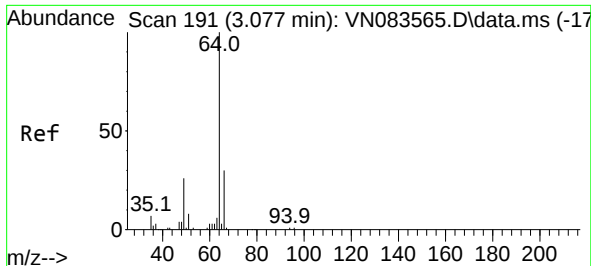


#4
 Vinyl Chloride
 Concen: 0.637 ug/l
 RT: 2.507 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN083732.D
 Acq: 09 Sep 2024 21:24



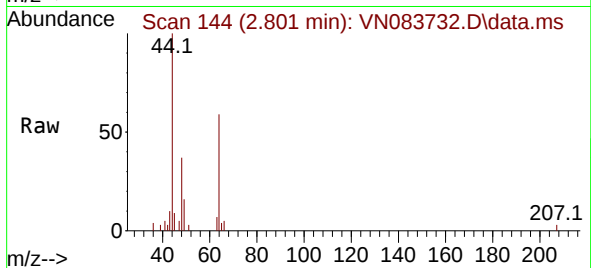
Tgt Ion: 62 Resp: 945
 Ion Ratio Lower Upper
 62 100
 64 54.9 24.7 37.1#



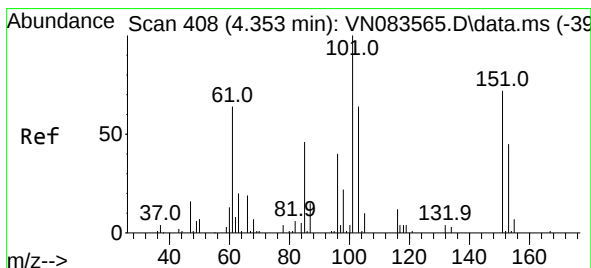
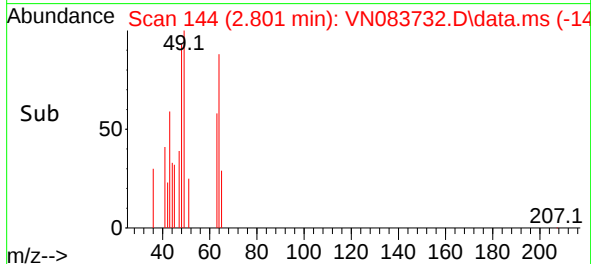
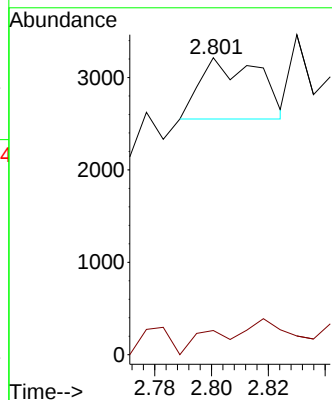


#6
Chloroethane
Concen: 0.970 ug/l
RT: 2.801 min Scan# 14
Delta R.T. -0.276 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Instrument :
MSVOA_N
ClientSampleId :

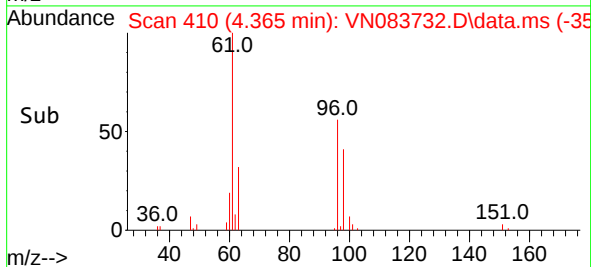
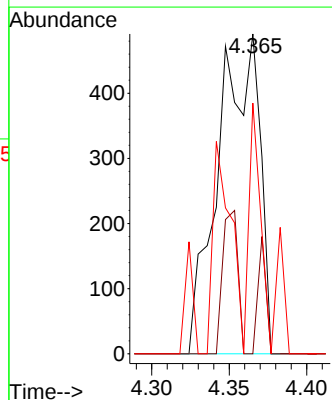
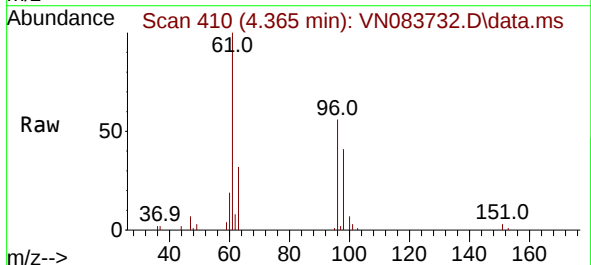


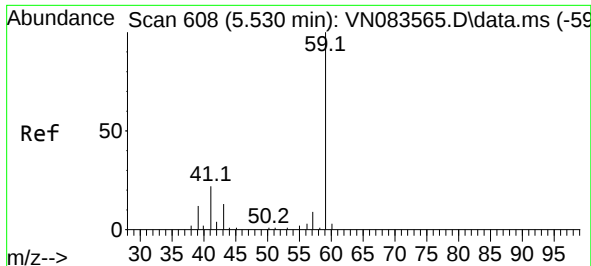
Tgt Ion: 64 Resp: 941
Ion Ratio Lower Upper
64 100
66 39.4 23.9 35.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.682 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Tgt Ion: 101 Resp: 904
Ion Ratio Lower Upper
101 100
85 7.1 36.2 54.4#
151 29.9 57.7 86.5#





#11

Tert butyl alcohol

Concen: 0.206 ug/l

RT: 5.500 min Scan# 608

Delta R.T. -0.029 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

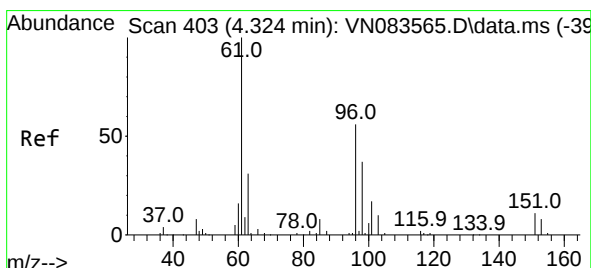
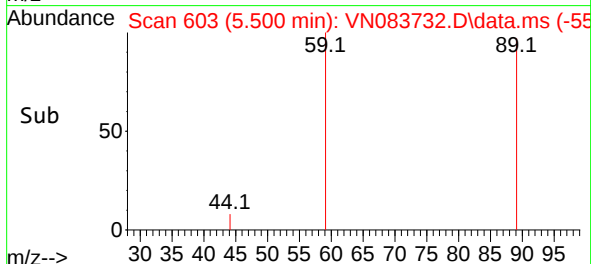
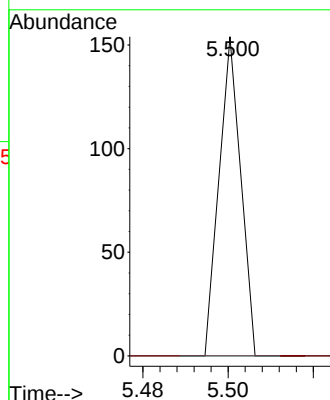
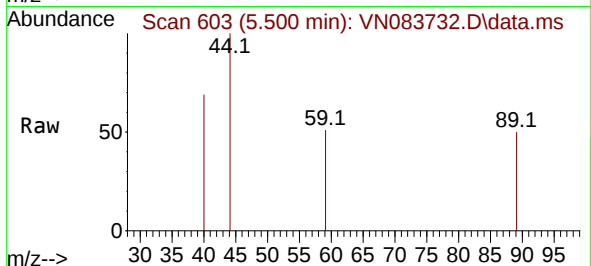
ClientSampleId :

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 107.916 ug/l

RT: 4.330 min Scan# 404

Delta R.T. 0.006 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

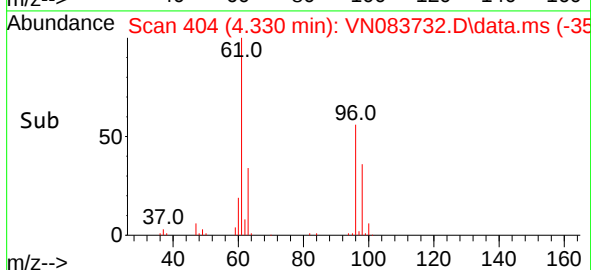
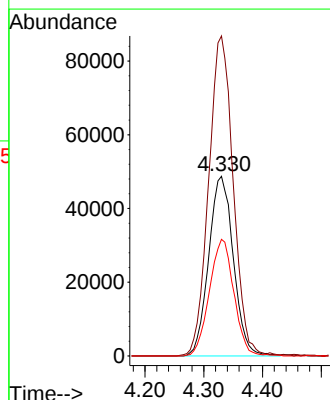
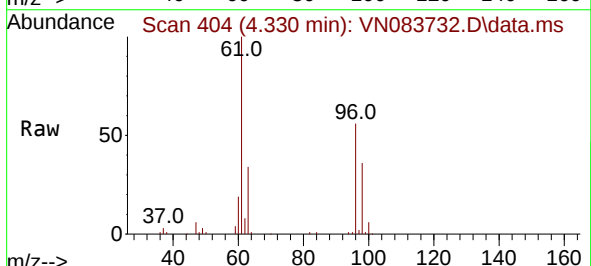
Tgt Ion: 96 Resp: 142246

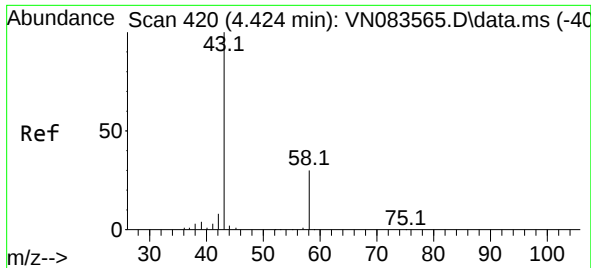
Ion Ratio Lower Upper

96 100

61 177.8 143.4 215.0

98 65.0 52.7 79.1





#16

Acetone

Concen: 6.277 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

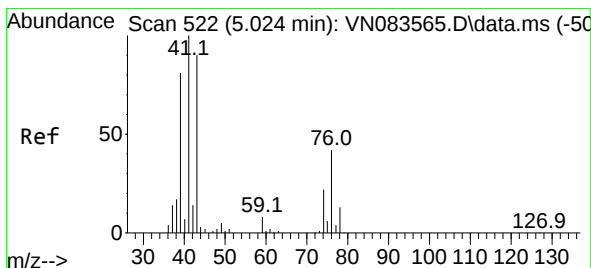
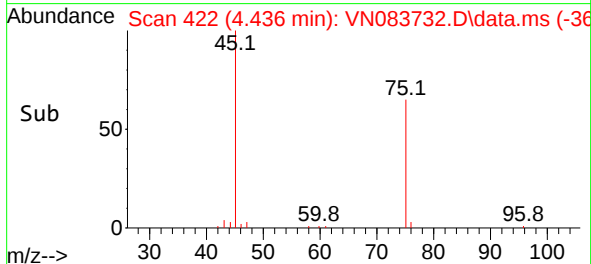
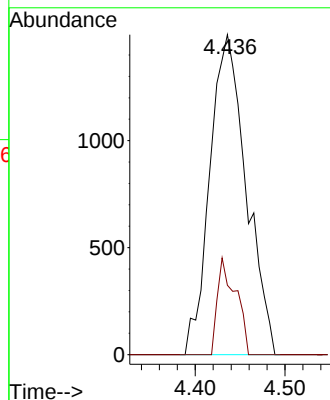
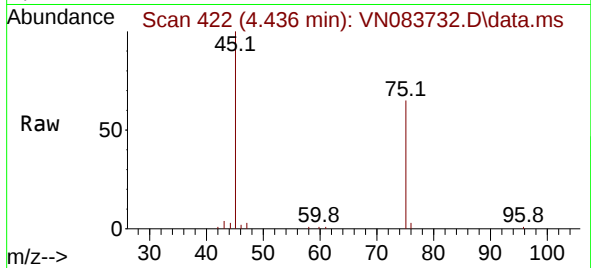
ClientSampleId :

Tgt Ion: 43 Resp: 4209

Ion Ratio Lower Upper

43 100

58 21.7 23.7 35.5#



#18

Methyl Acetate

Concen: 0.939 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN083732.D

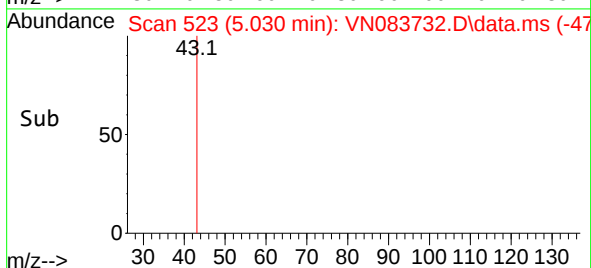
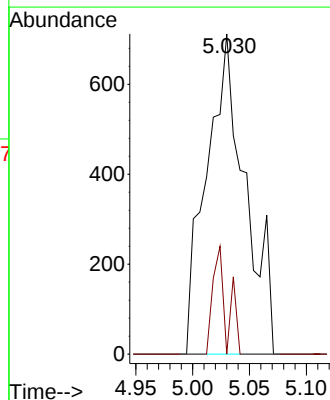
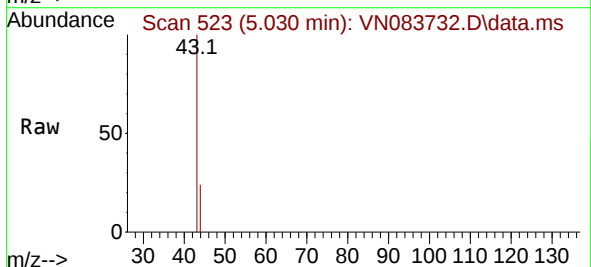
Acq: 09 Sep 2024 21:24

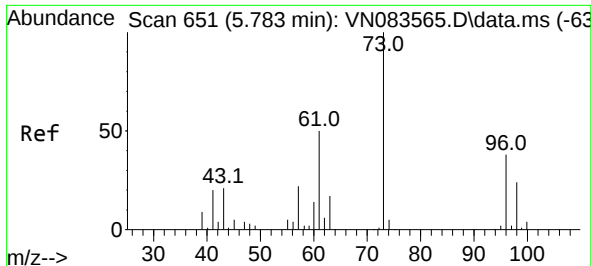
Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

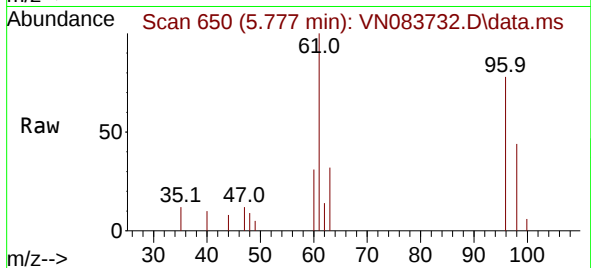
74 12.2 19.0 28.4#





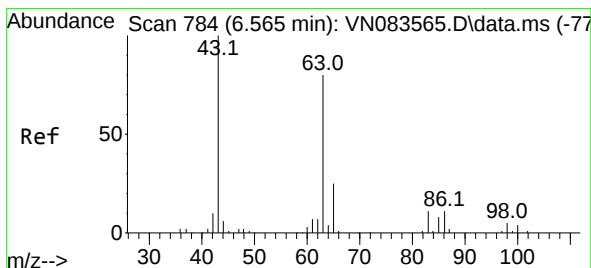
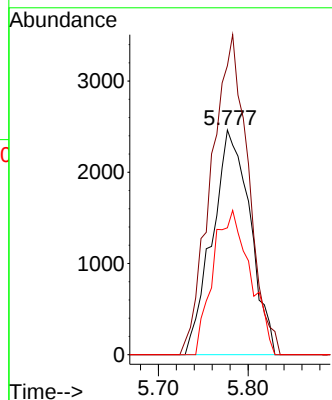
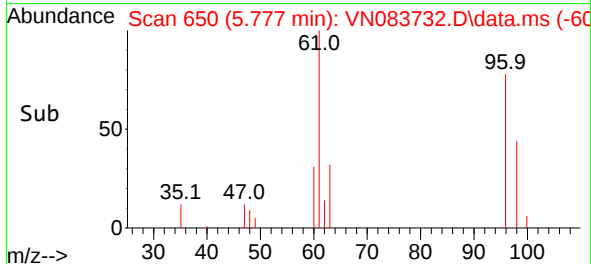
#21
trans-1,2-Dichloroethene
Concen: 5.258 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Instrument :
MSVOA_N
ClientSampleId :

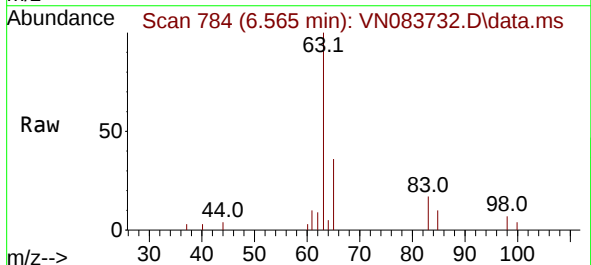


Tgt Ion: 96 Resp: 7220

Ion	Ratio	Lower	Upper
96	100		
61	128.6	106.0	159.0
98	56.5	52.2	78.2

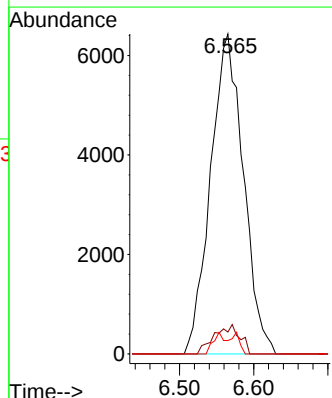
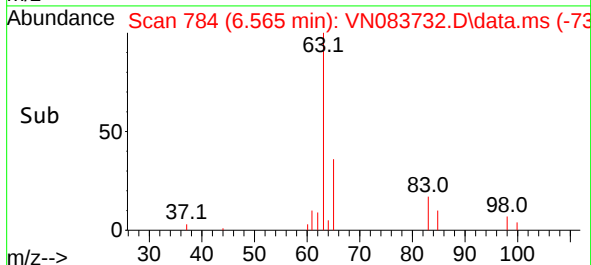


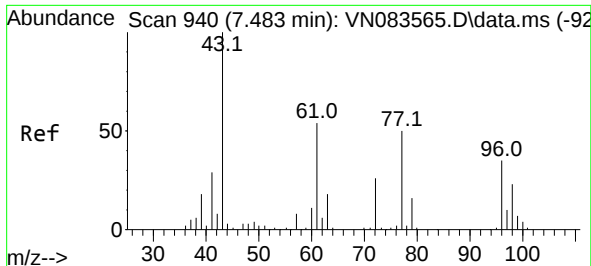
#24
1,1-Dichloroethane
Concen: 7.479 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24



Tgt Ion: 63 Resp: 19765

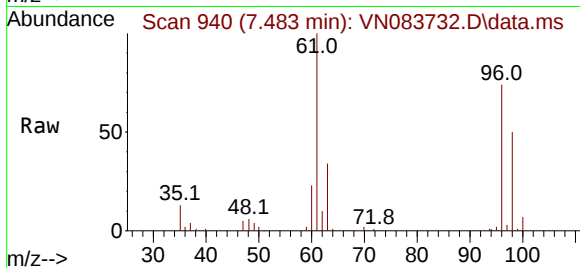
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	4.2	2.5	7.5





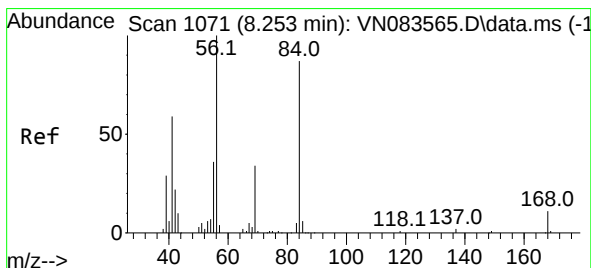
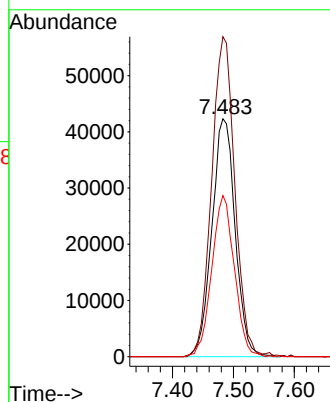
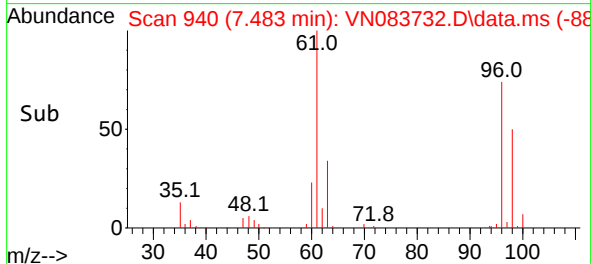
#27
 cis-1,2-Dichloroethene
 Concen: 68.511 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.000 min
 Lab File: VN083732.D
 Acq: 09 Sep 2024 21:24

Instrument :
 MSVOA_N
 ClientSampleId :

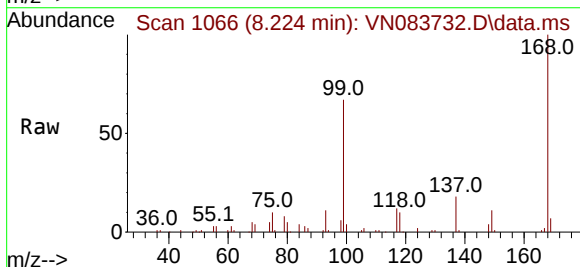


Tgt Ion: 96 Resp: 112249

Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	306.2
98	65.7	0.0	128.6

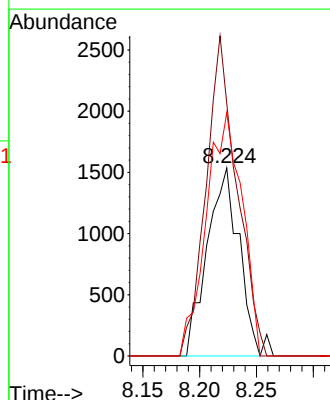
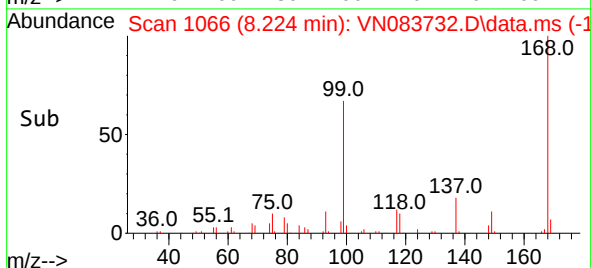


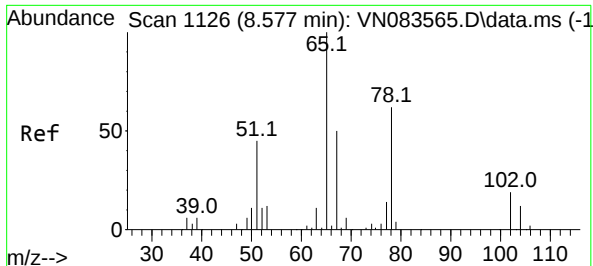
#31
 Cyclohexane
 Concen: 1.167 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.029 min
 Lab File: VN083732.D
 Acq: 09 Sep 2024 21:24



Tgt Ion: 56 Resp: 3035

Ion	Ratio	Lower	Upper
56	100		
69	134.3	26.9	40.3#
84	129.3	69.2	103.8#





#33

1,2-Dichloroethane-d4

Concen: 57.321 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

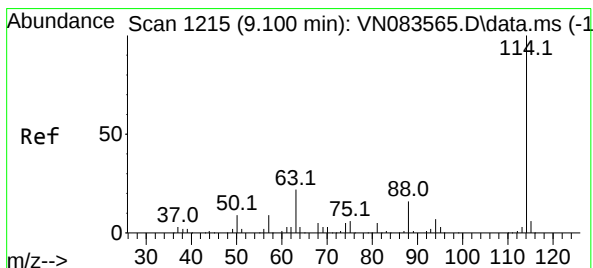
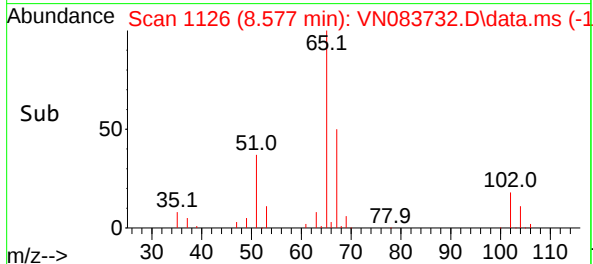
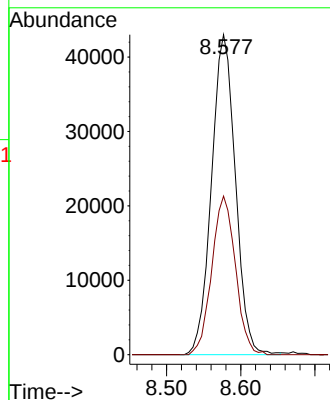
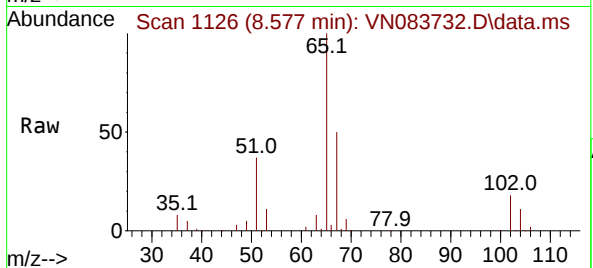
ClientSampleId :

Tgt Ion: 65 Resp: 96391

Ion Ratio Lower Upper

65 100

67 48.9 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: VN083732.D

Acq: 09 Sep 2024 21:24

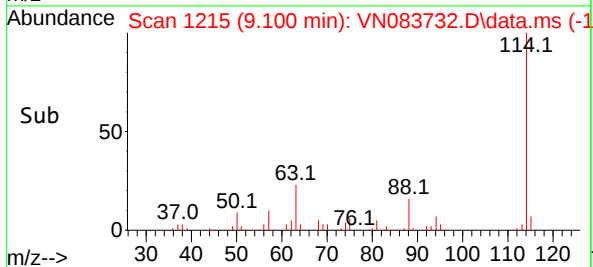
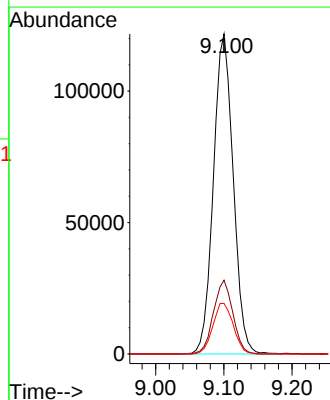
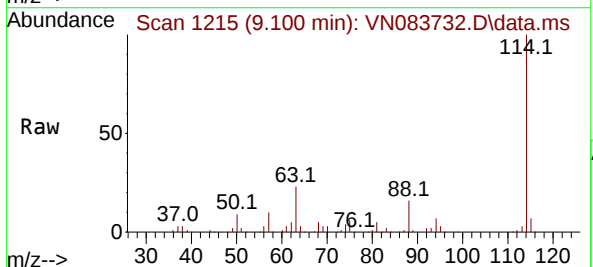
Tgt Ion: 114 Resp: 246363

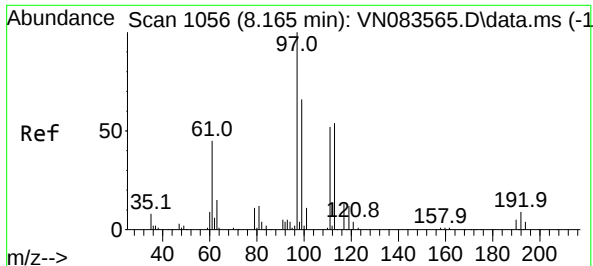
Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.081 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

ClientSampleId :

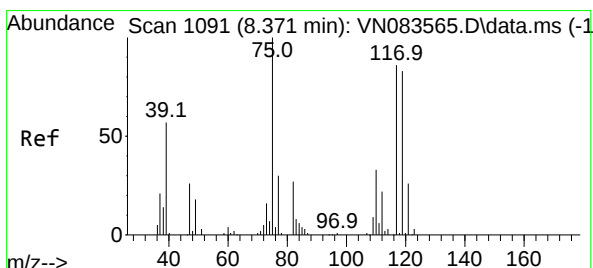
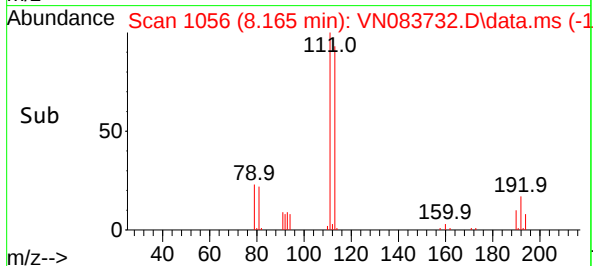
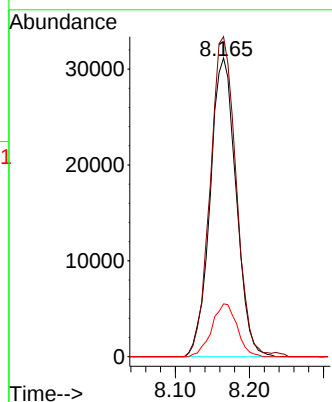
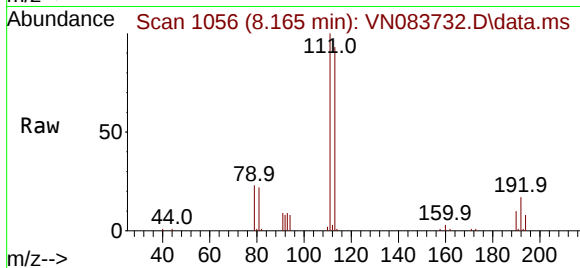
Tgt Ion:113 Resp: 75743

Ion Ratio Lower Upper

113 100

111 107.5 82.6 124.0

192 17.3 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.014 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

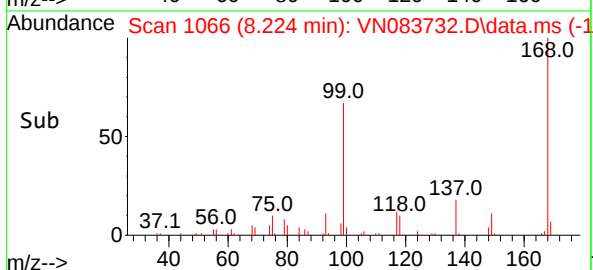
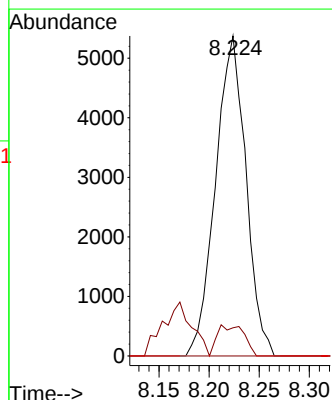
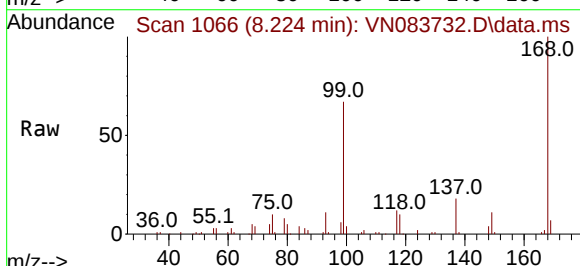
Tgt Ion: 75 Resp: 11340

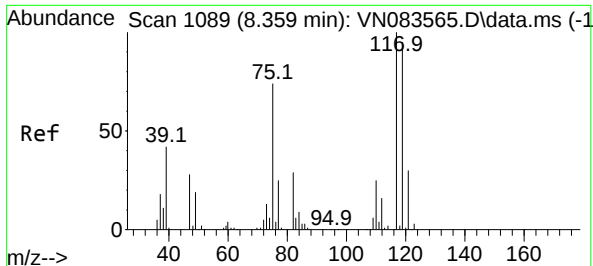
Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

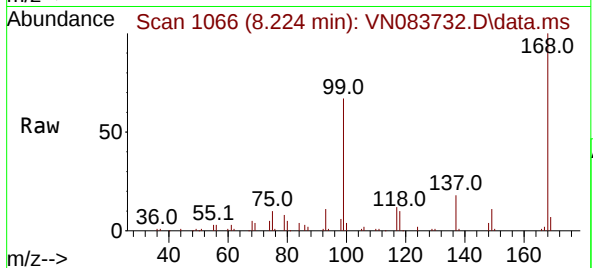
77 0.0 25.2 37.8#



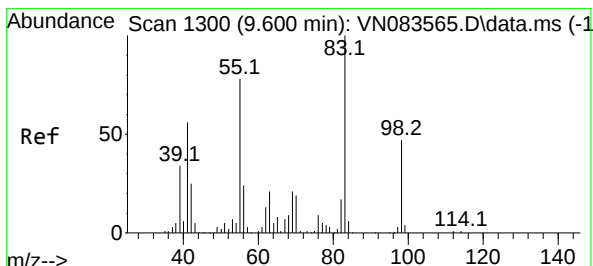
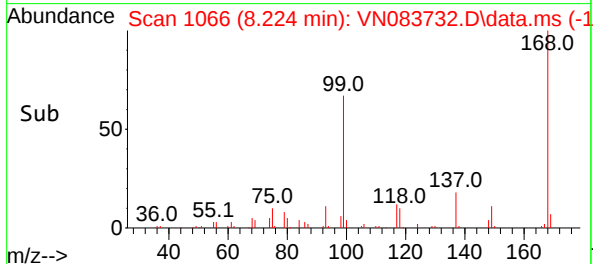
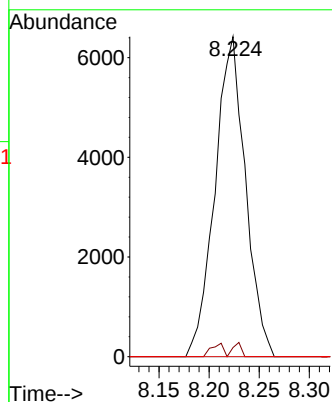


#38
Carbon Tetrachloride
Concen: 5.273 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Instrument :
MSVOA_N
ClientSampleId :

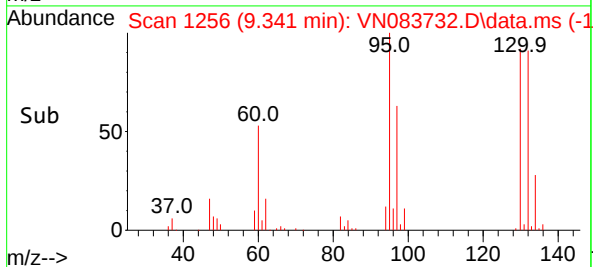
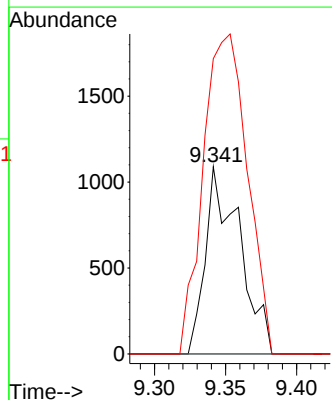
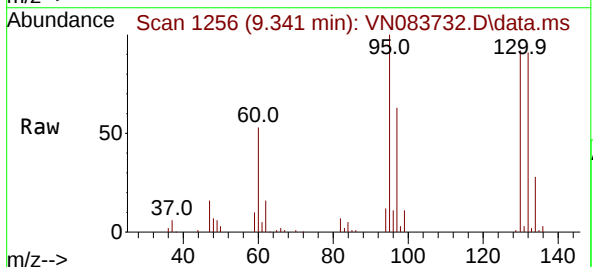


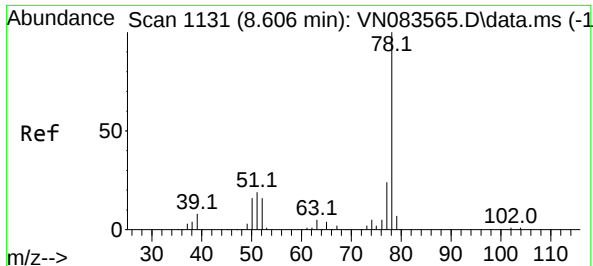
Tgt Ion:117 Resp: 13608
Ion Ratio Lower Upper
117 100
119 2.9 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.671 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.259 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Tgt Ion: 83 Resp: 1821
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 157.9 37.6 56.4#





#40

Benzene

Concen: 0.251 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

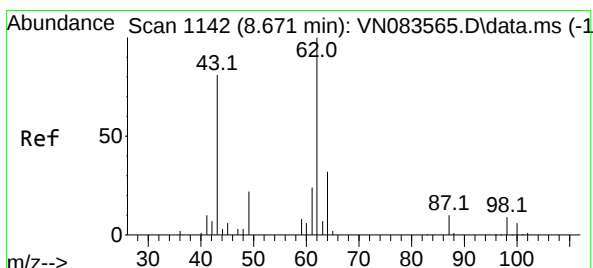
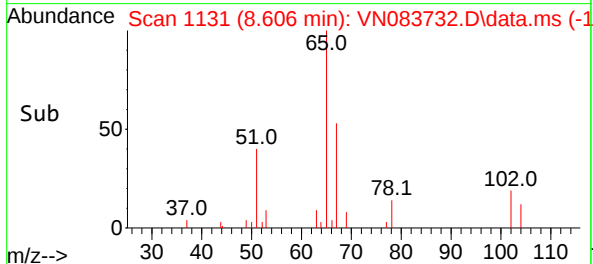
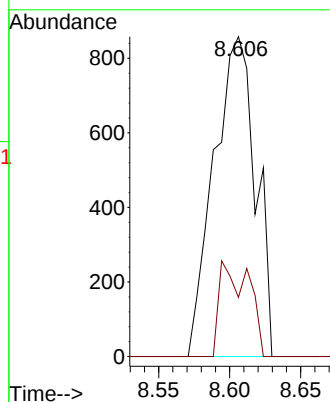
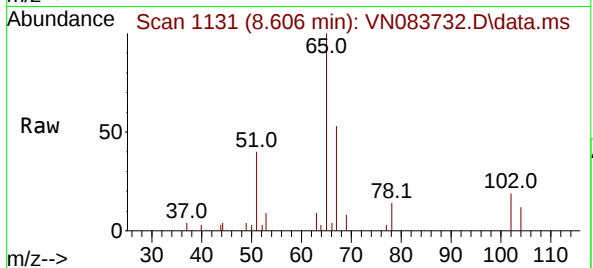
ClientSampleId :

Tgt Ion: 78 Resp: 1747

Ion Ratio Lower Upper

78 100

77 18.5 19.0 28.6#



#42

1,2-Dichloroethane

Concen: 4.582 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN083732.D

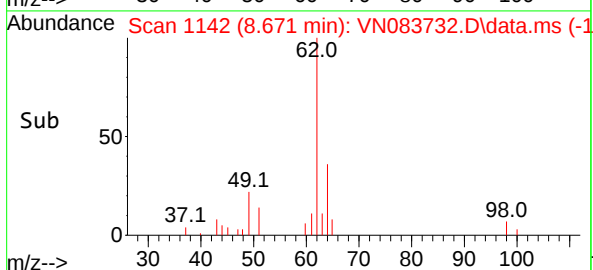
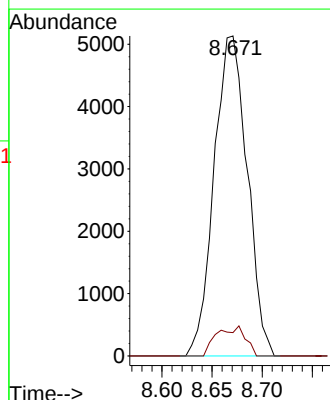
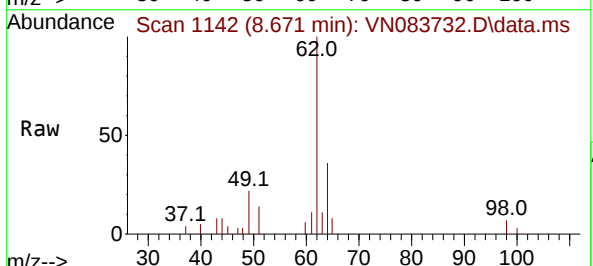
Acq: 09 Sep 2024 21:24

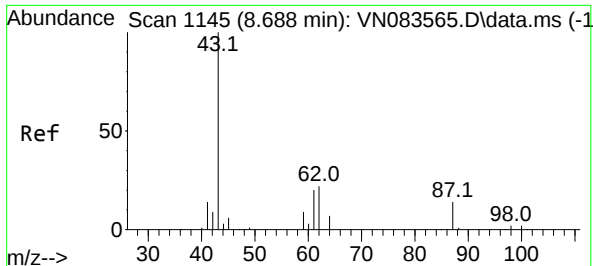
Tgt Ion: 62 Resp: 11816

Ion Ratio Lower Upper

62 100

98 8.0 0.0 16.6





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

ClientSampleId :

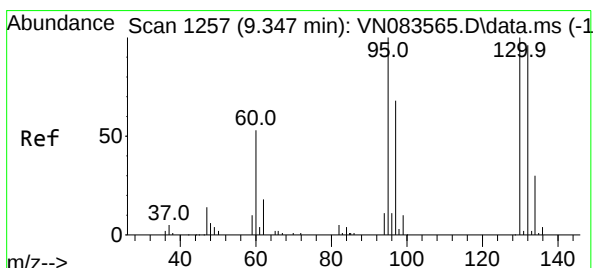
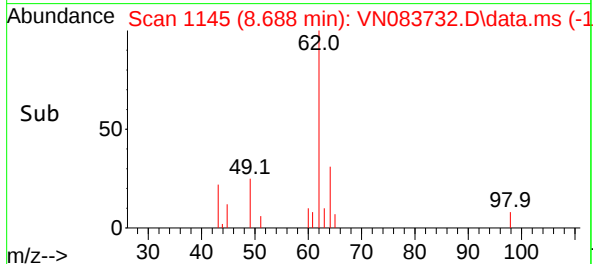
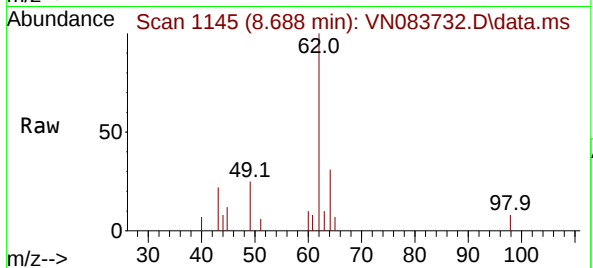
Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 82.091 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN083732.D

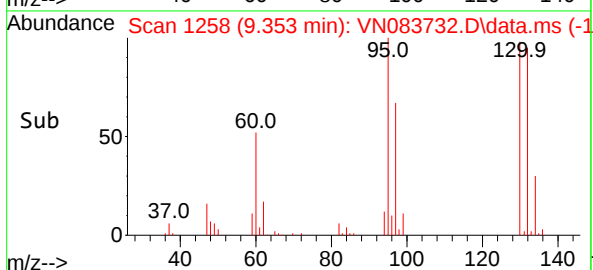
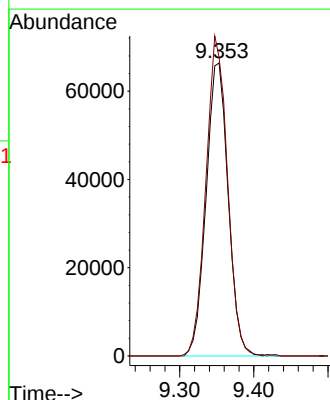
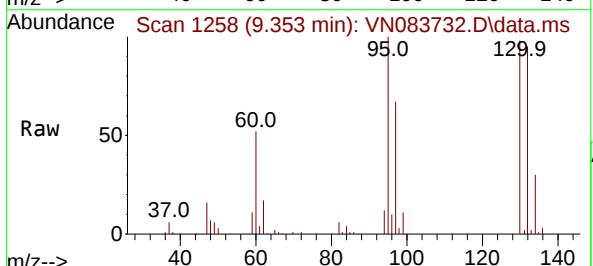
Acq: 09 Sep 2024 21:24

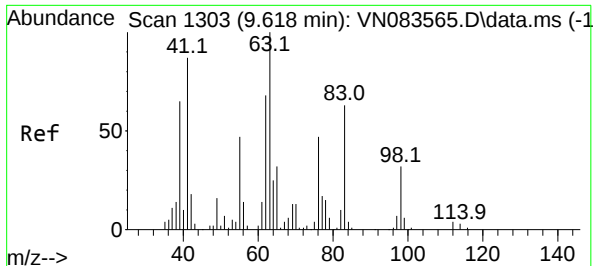
Tgt Ion:130 Resp: 137395

Ion Ratio Lower Upper

130 100

95 101.9 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.309 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.270 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Instrument :

MSVOA_N

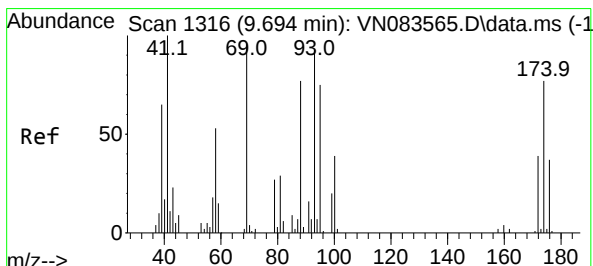
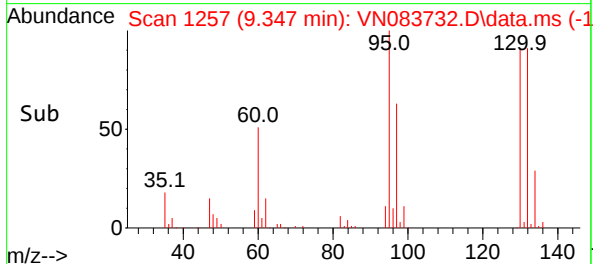
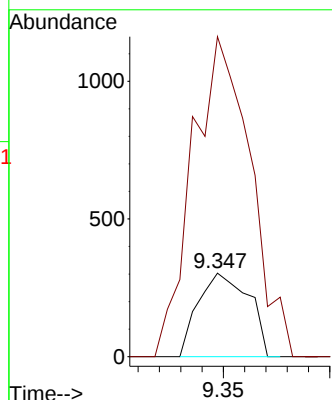
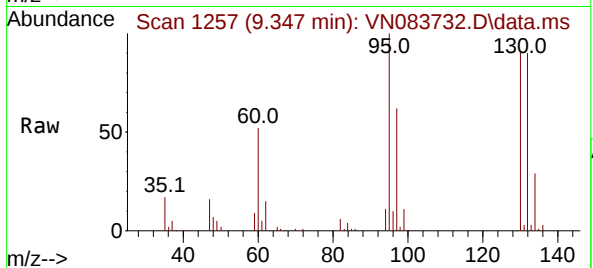
ClientSampleId :

Tgt Ion: 63 Resp: 501

Ion Ratio Lower Upper

63 100

65 312.2 25.9 38.9#



#49

1,4-Dioxane

Concen: 85.151 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

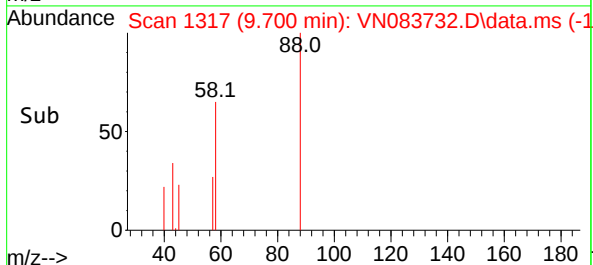
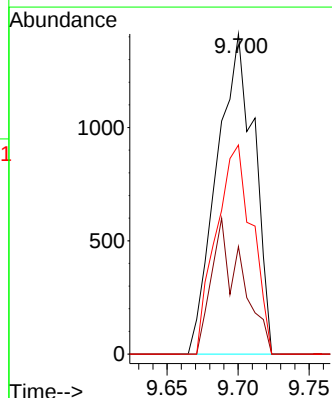
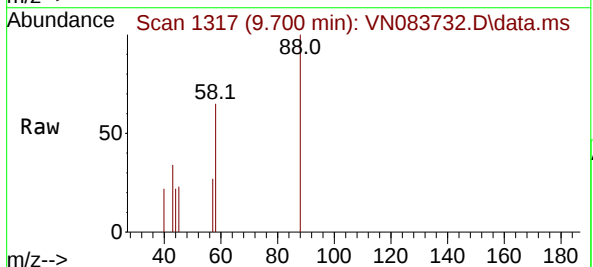
Tgt Ion: 88 Resp: 2576

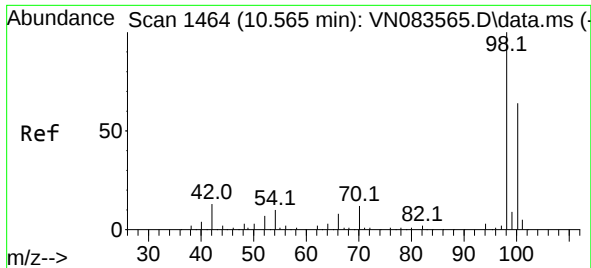
Ion Ratio Lower Upper

88 100

43 34.2 0.0 0.0#

58 63.2 57.1 85.7

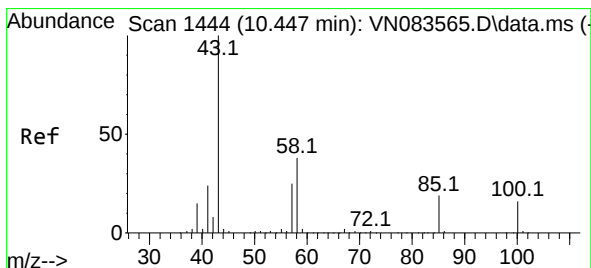
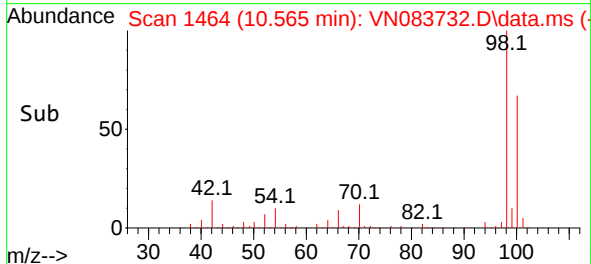
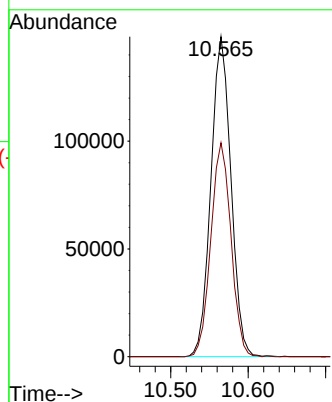
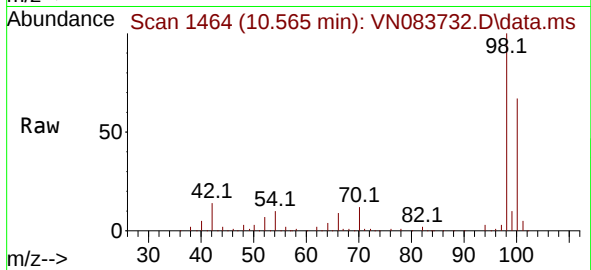




#50
Toluene-d8
Concen: 46.268 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

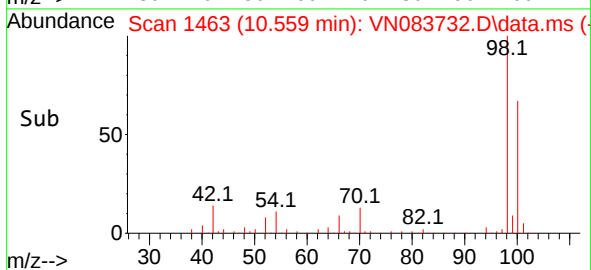
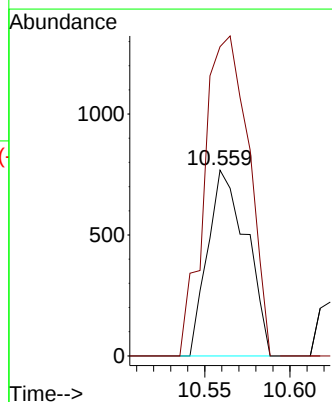
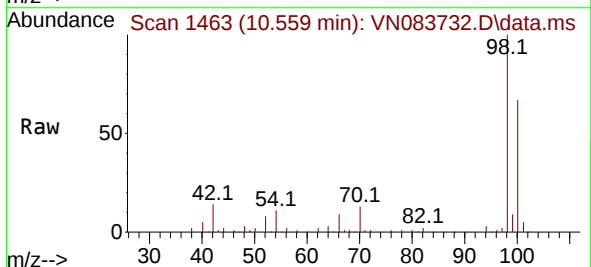
Instrument :
MSVOA_N
ClientSampleId :

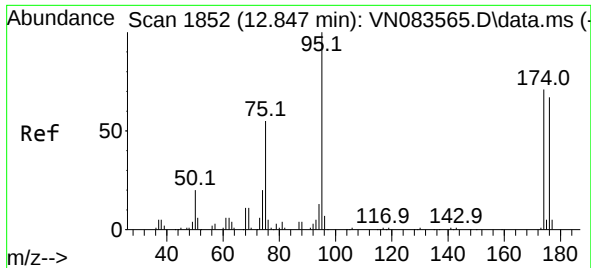
Tgt Ion: 98 Resp: 266966
Ion Ratio Lower Upper
98 100
100 67.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 196.1 31.6 47.4#

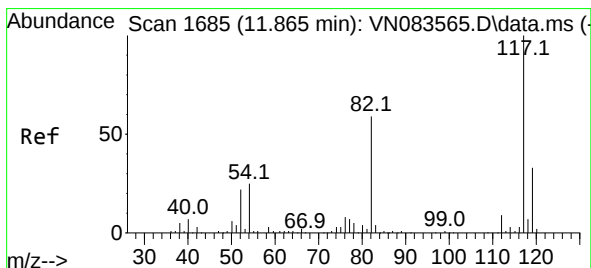
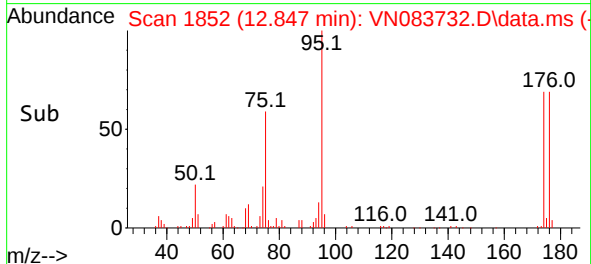
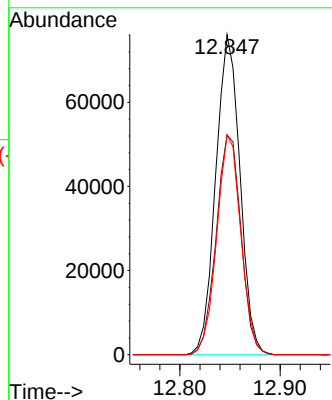
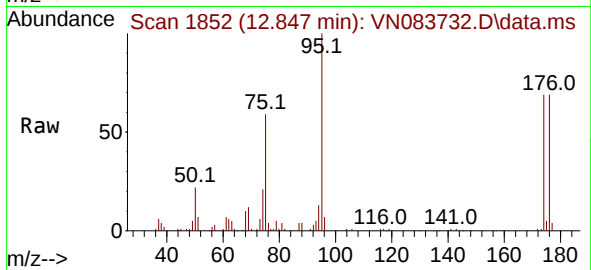




#62
4-Bromofluorobenzene
Concen: 59.660 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

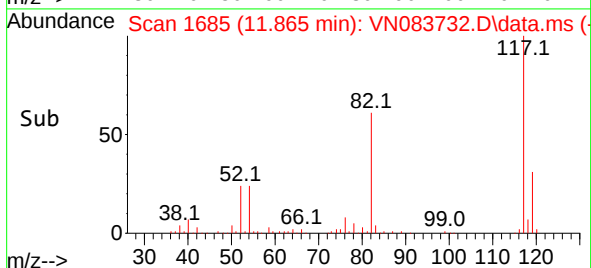
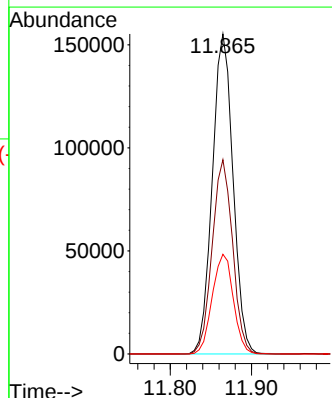
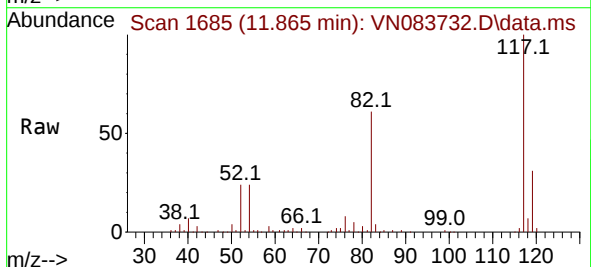
Instrument :
MSVOA_N
ClientSampleId :

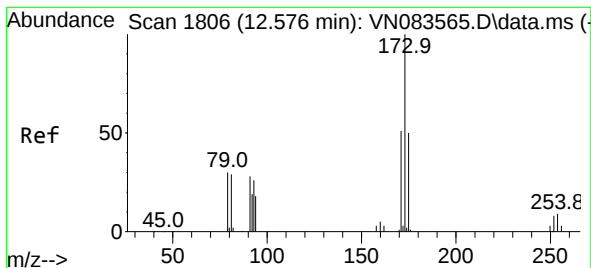
Tgt Ion: 95 Resp: 127616
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 68.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Tgt Ion: 117 Resp: 275345
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.0
119 31.2 26.3 39.5





#71

Bromoform

Concen: 0.290 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

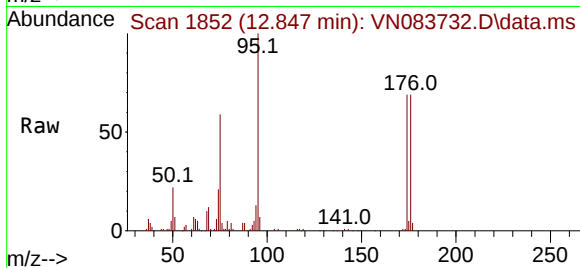
Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

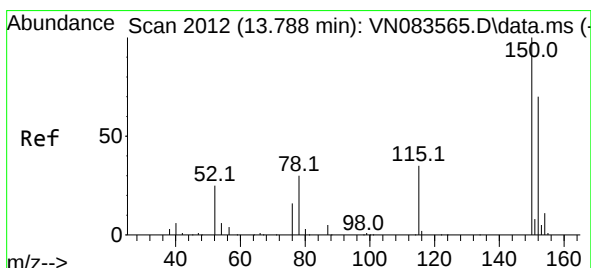
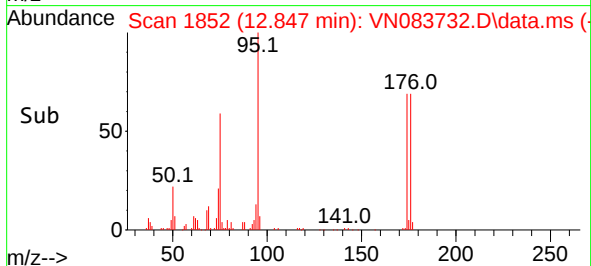
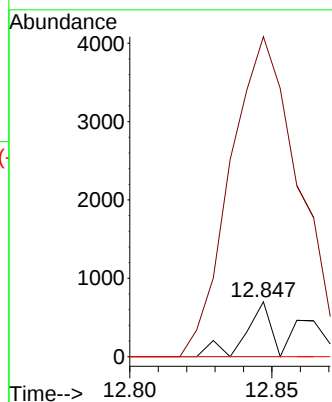
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	430
Ion Ratio	Lower	Upper	
173	100		
175	1211.9	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

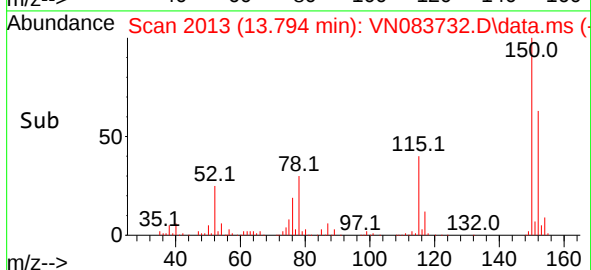
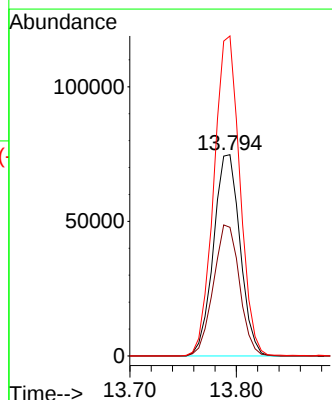
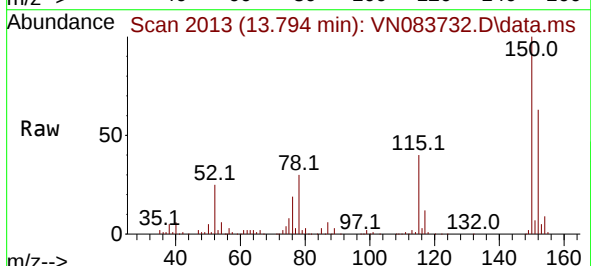
RT: 13.794 min Scan# 2013

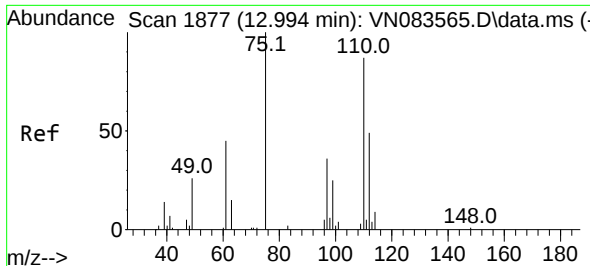
Delta R.T. 0.006 min

Lab File: VN083732.D

Acq: 09 Sep 2024 21:24

Tgt Ion:	152	Resp:	129665
Ion Ratio	Lower	Upper	
152	100		
115	63.9	32.2	96.6
150	155.5	0.0	348.6

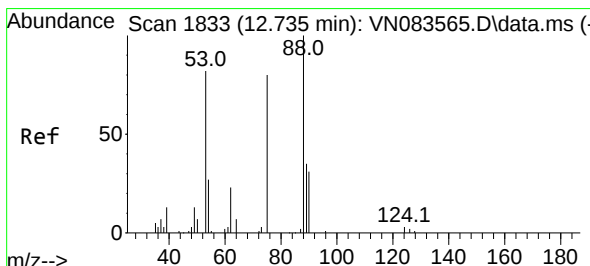
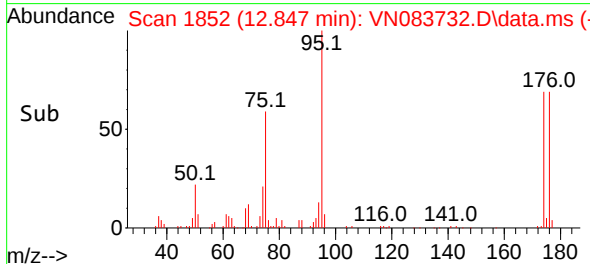
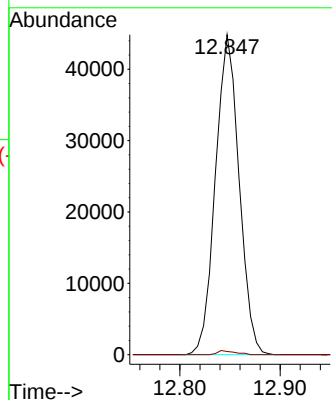
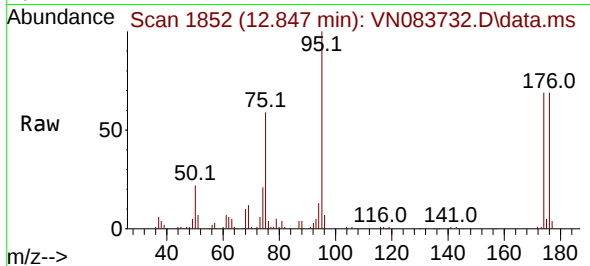




#76
1,2,3-Trichloropropane
Concen: 28.073 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 73494
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.214 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083732.D
Acq: 09 Sep 2024 21:24

Tgt Ion: 75 Resp: 73494
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

