

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083757.D
 Acq On : 10 Sep 2024 17:20
 Operator : JC\MD
 Sample : P3841-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 03:16:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 02:47:22 2024
 Response via : Initial Calibration

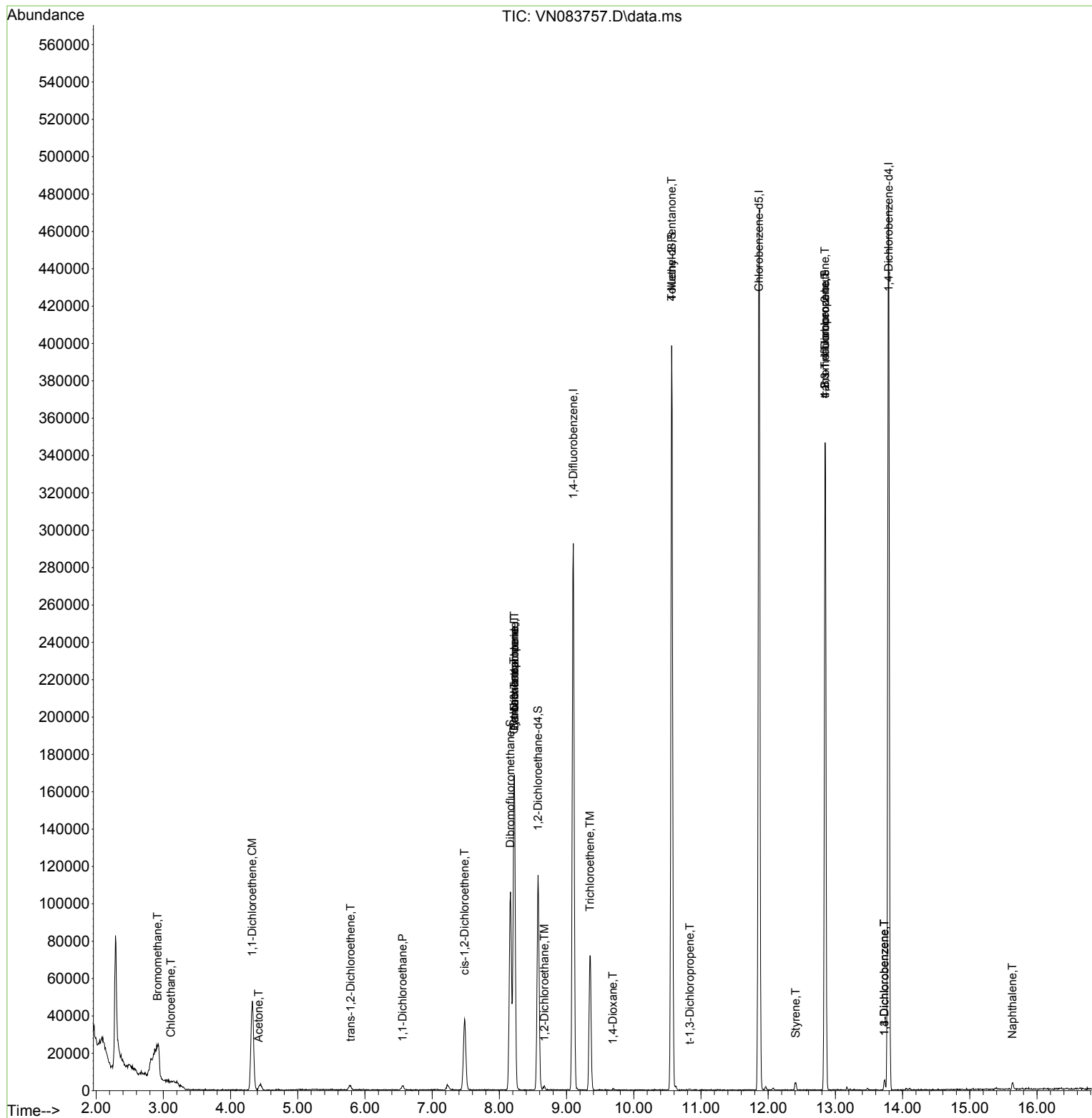
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	116124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242469	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94265	53.835	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.680%	
35) Dibromofluoromethane	8.165	113	74695	48.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.240%	
50) Toluene-d8	10.565	98	261217	48.678	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.360%	
62) 4-Bromofluorobenzene	12.847	95	120499	54.427	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.860%	
Target Compounds						Qvalue
3) Chloromethane	2.353	50	985	Below Cal	#	41
5) Bromomethane	2.912	94	281	0.331	ug/l	81
6) Chloroethane	3.112	64	286	0.276	ug/l #	45
12) 1,1-Dichloroethene	4.324	96	27114	21.588	ug/l	92
16) Acetone	4.418	43	308	0.439	ug/l #	45
18) Methyl Acetate	5.024	43	641	Below Cal	#	52
21) trans-1,2-Dichloroethene	5.789	96	2107	1.565	ug/l #	50
24) 1,1-Dichloroethane	6.559	63	3887	1.464	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	22265	13.934	ug/l	88
31) Cyclohexane	8.218	56	3183	1.258	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	10879	4.656	ug/l #	49
38) Carbon Tetrachloride	8.224	117	13790	5.203	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	2387	0.908	ug/l #	77
44) Trichloroethene	9.347	130	25836	15.865	ug/l	92
49) 1,4-Dioxane	9.688	88	404	13.469	ug/l #	82
51) 4-Methyl-2-Pentanone	10.565	43	1309	0.626	ug/l #	1
53) t-1,3-Dichloropropene	10.835	75	723	0.277	ug/l #	42
70) Styrene	12.412	104	1599	0.266	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	66937	28.003	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66937	71.531	ug/l #	9
87) 1,3-Dichlorobenzene	13.729	146	2594	0.608	ug/l	96
88) 1,4-Dichlorobenzene	13.729	146	2594	0.600	ug/l	96
95) Naphthalene	15.635	128	4304	0.640	ug/l #	92

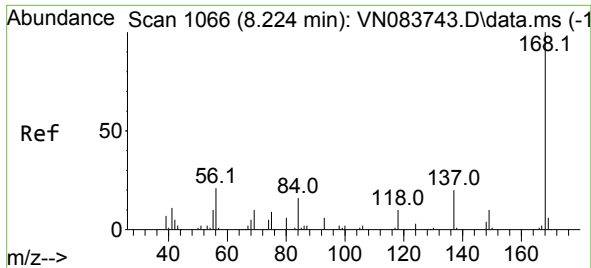
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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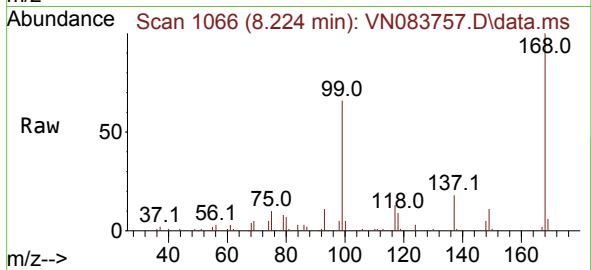
Quant Time: Sep 11 03:16:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
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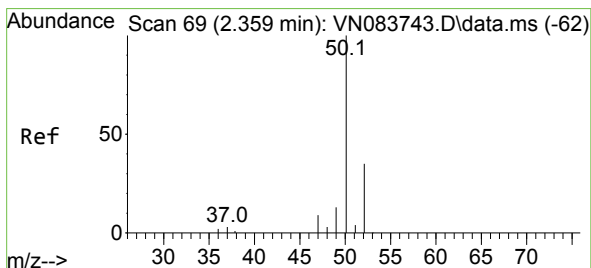
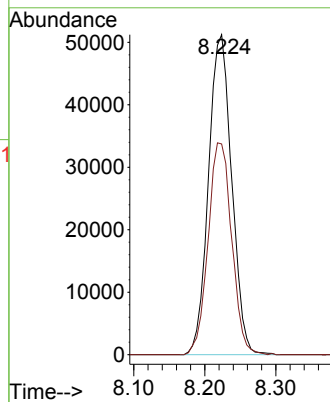
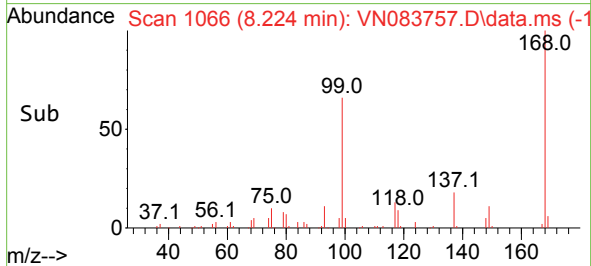


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :

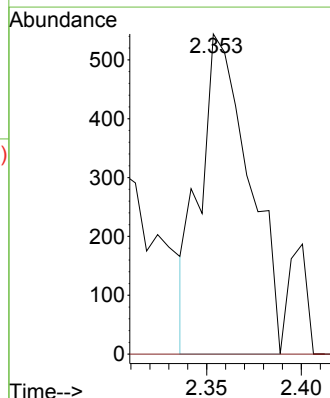
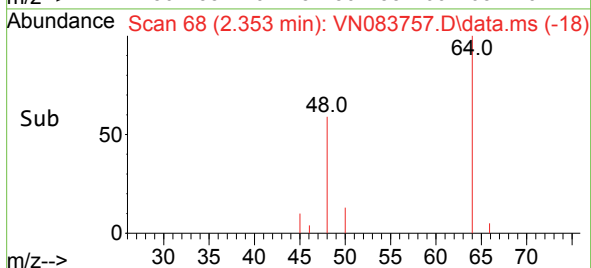
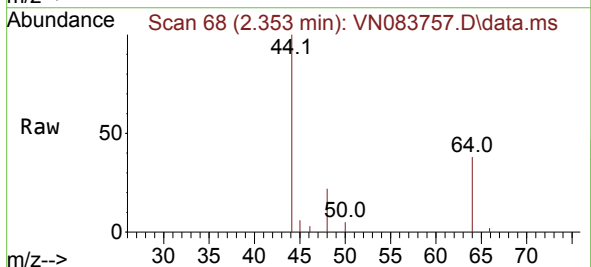


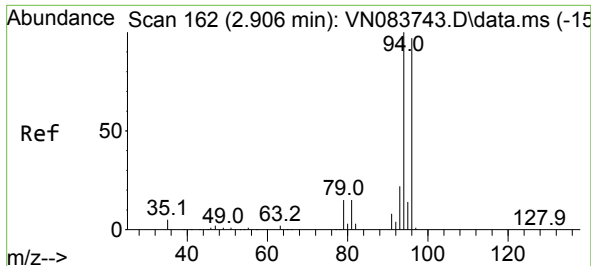
Tgt Ion:168 Resp: 116124
Ion Ratio Lower Upper
168 100
99 65.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 50 Resp: 985
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

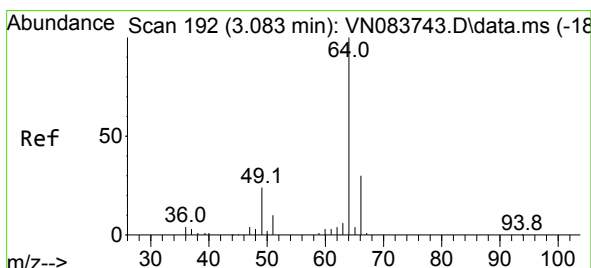
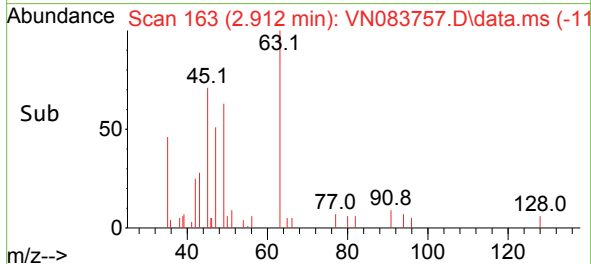
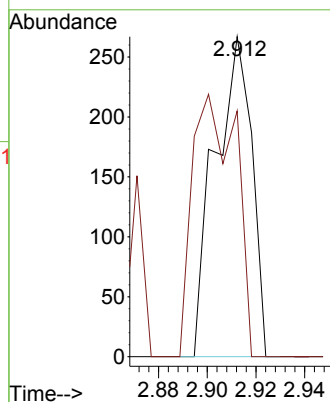
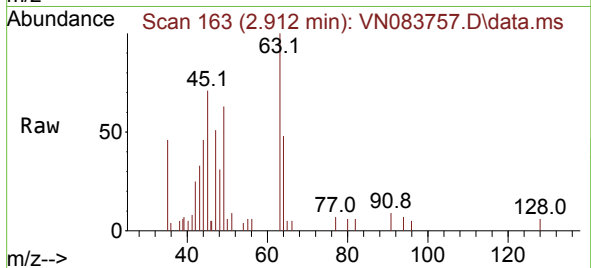




#5
Bromomethane
Concen: 0.331 ug/l
RT: 2.912 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

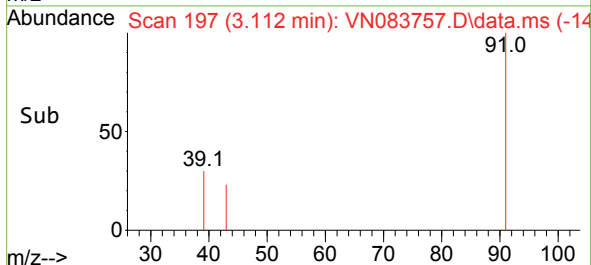
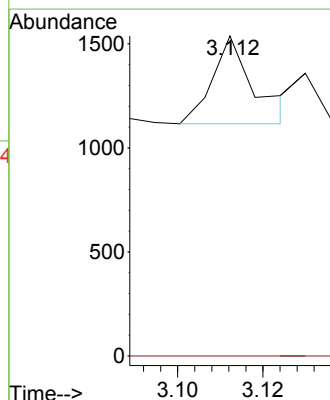
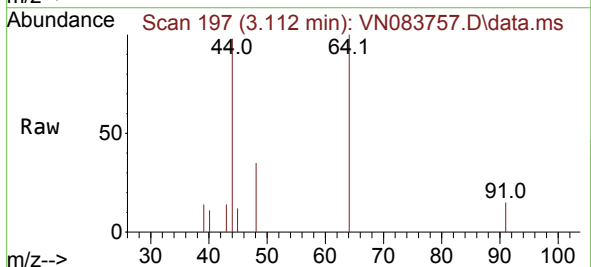
Instrument :
MSVOA_N
ClientSampleId :

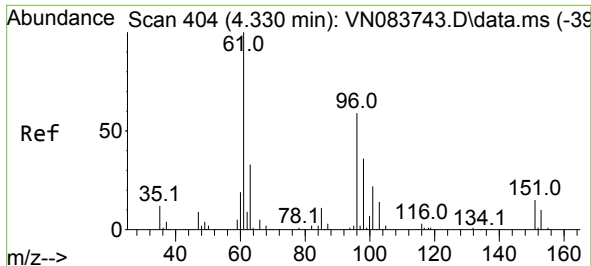
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 76.8 76.0 114.0



#6
Chloroethane
Concen: 0.276 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.029 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

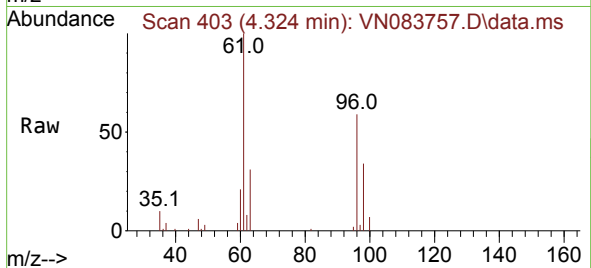
Tgt Ion: 64 Resp: 286
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



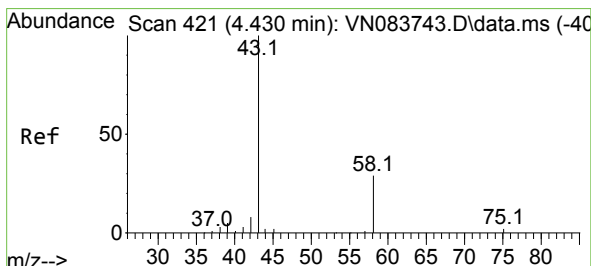
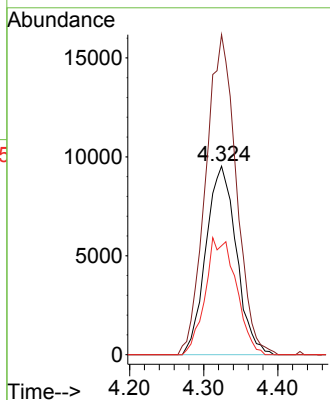
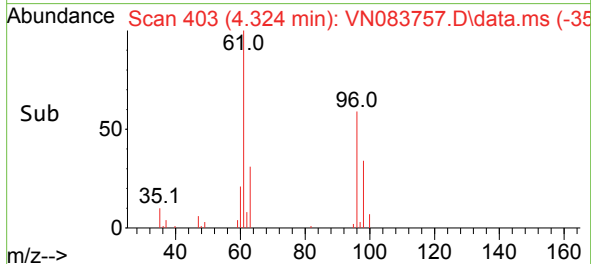


#12
 1,1-Dichloroethene
 Concen: 21.588 ug/l
 RT: 4.324 min Scan# 404
 Delta R.T. -0.006 min
 Lab File: VN083757.D
 Acq: 10 Sep 2024 17:20

Instrument :
 MSVOA_N
 ClientSampleId :

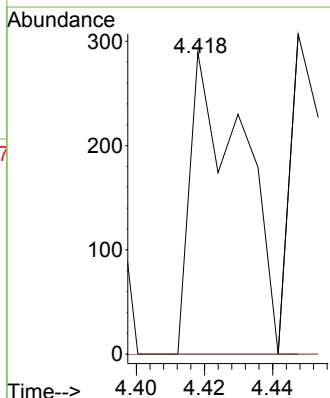
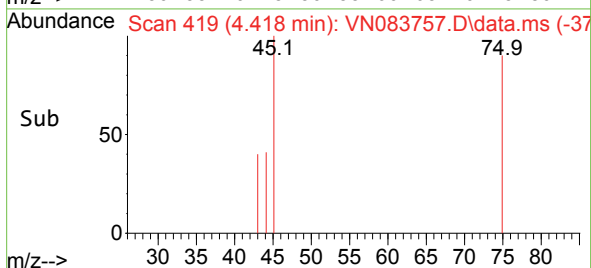
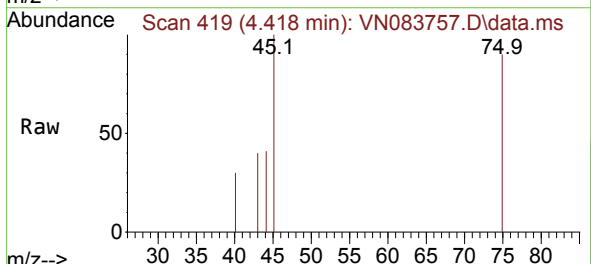


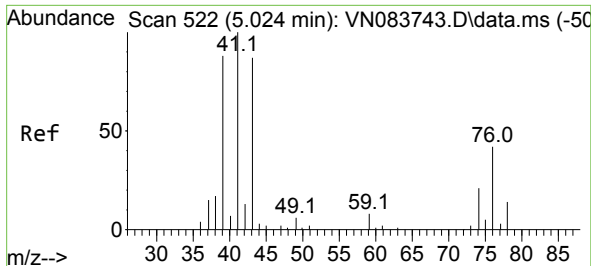
Tgt Ion: 96 Resp: 27114
 Ion Ratio Lower Upper
 96 100
 61 169.7 143.4 215.0
 98 57.8 52.7 79.1



#16
 Acetone
 Concen: 0.439 ug/l
 RT: 4.418 min Scan# 419
 Delta R.T. -0.012 min
 Lab File: VN083757.D
 Acq: 10 Sep 2024 17:20

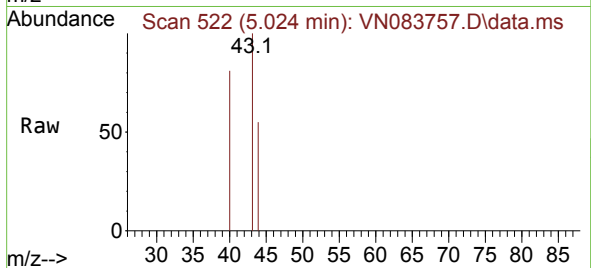
Tgt Ion: 43 Resp: 308
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.7 35.5#



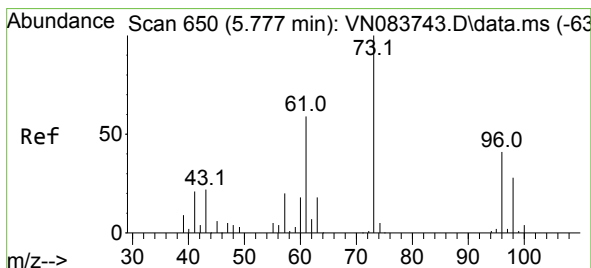
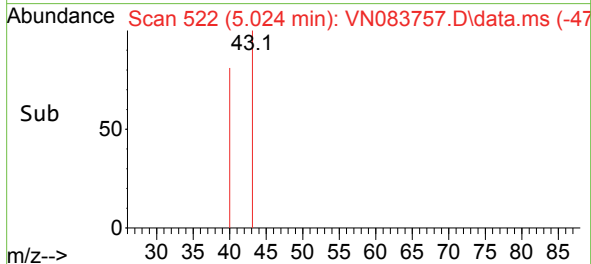
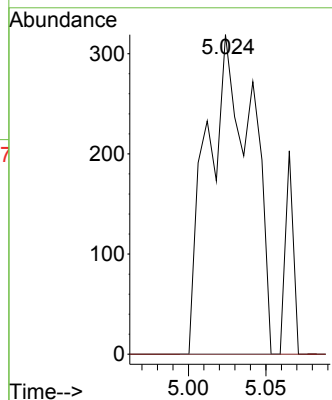


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Instrument :
MSVOA_N
ClientSampleId :

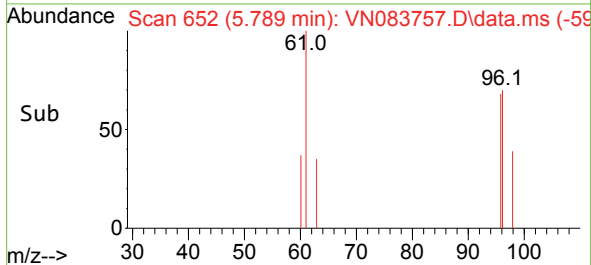
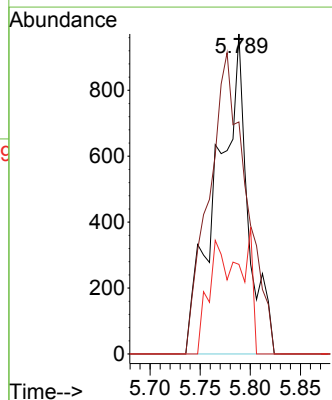
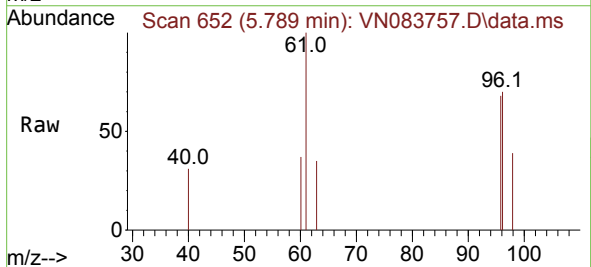


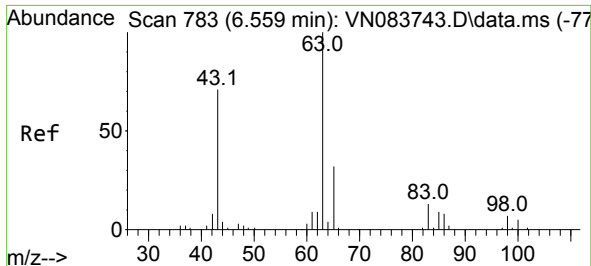
Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#21
trans-1,2-Dichloroethene
Concen: 1.565 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.012 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 96 Resp: 2107
Ion Ratio Lower Upper
96 100
61 72.5 106.0 159.0#
98 28.0 52.2 78.2#

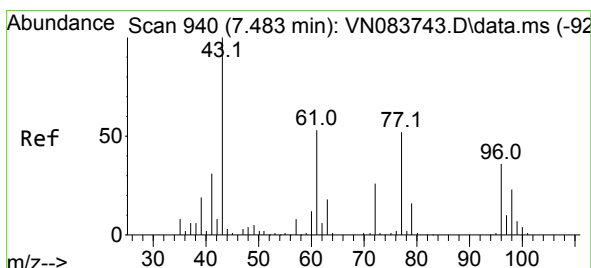
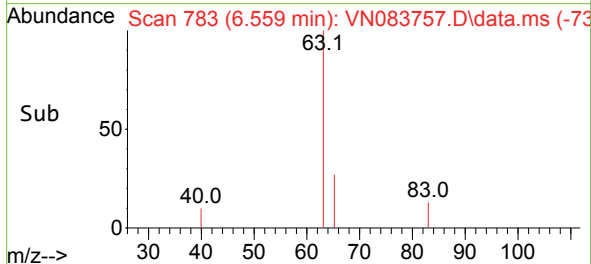
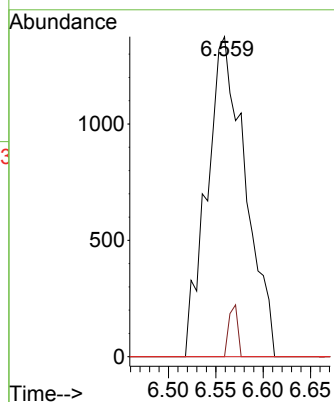
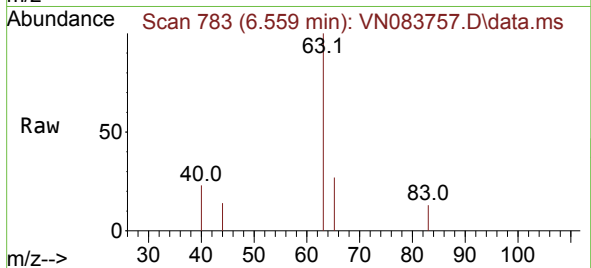




#24
1,1-Dichloroethane
Concen: 1.464 ug/l
RT: 6.559 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

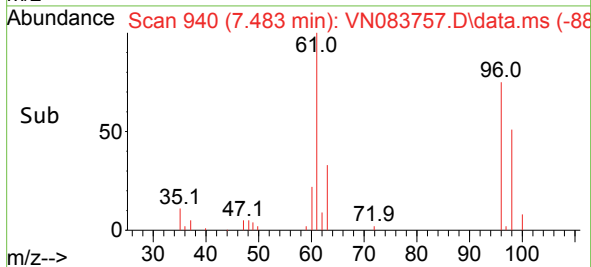
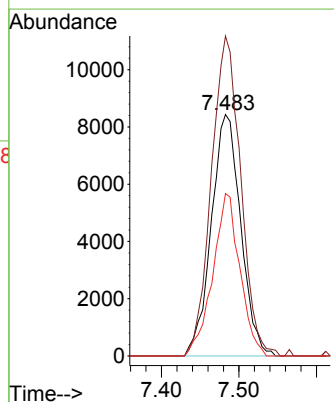
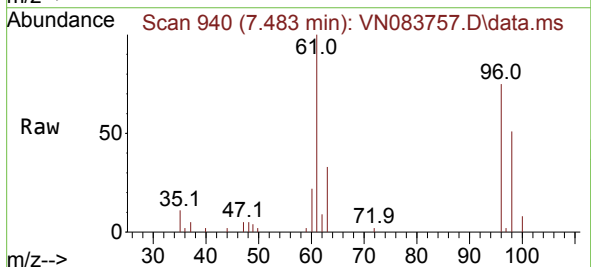
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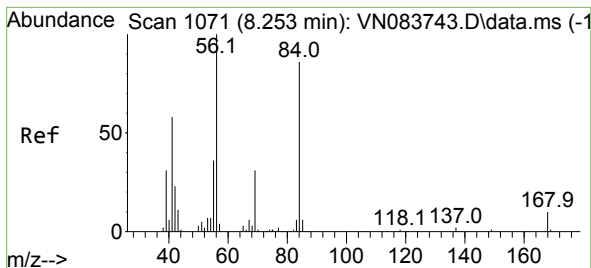
Tgt Ion: 63 Resp: 3887
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 13.934 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 96 Resp: 22265
Ion Ratio Lower Upper
96 100
61 132.2 0.0 306.2
98 61.9 0.0 128.6





#31

Cyclohexane

Concen: 1.258 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

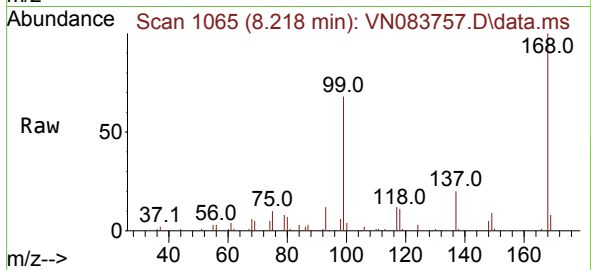
Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :



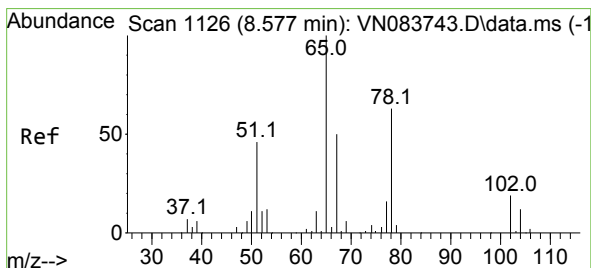
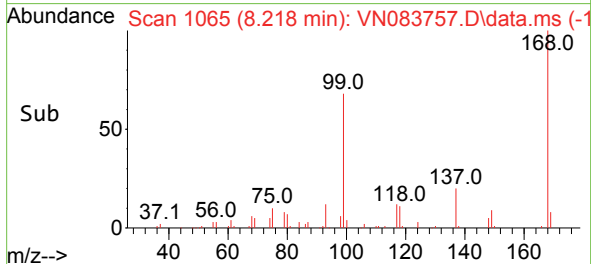
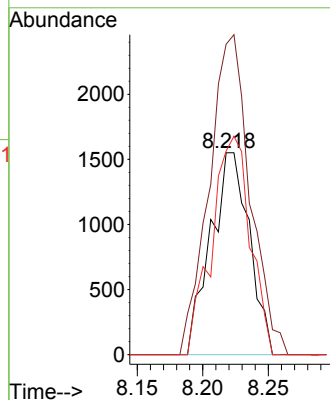
Tgt Ion: 56 Resp: 3183

Ion Ratio Lower Upper

56 100

69 153.7 26.9 40.3#

84 100.8 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 53.835 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083757.D

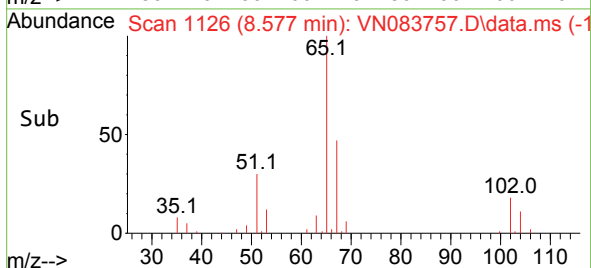
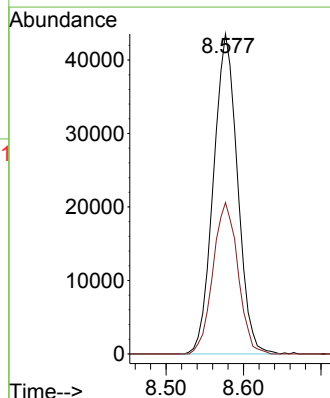
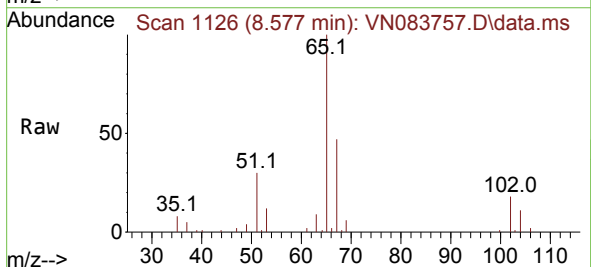
Acq: 10 Sep 2024 17:20

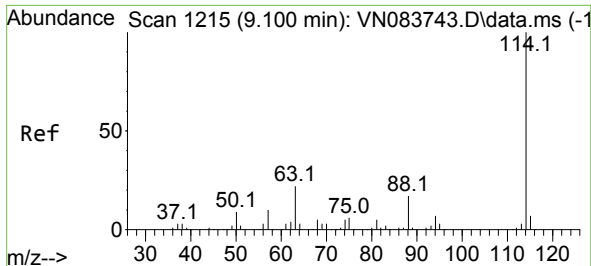
Tgt Ion: 65 Resp: 94265

Ion Ratio Lower Upper

65 100

67 49.1 0.0 100.8

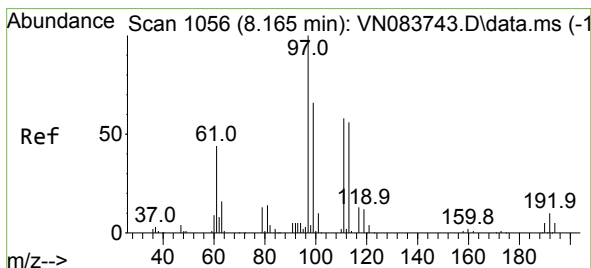
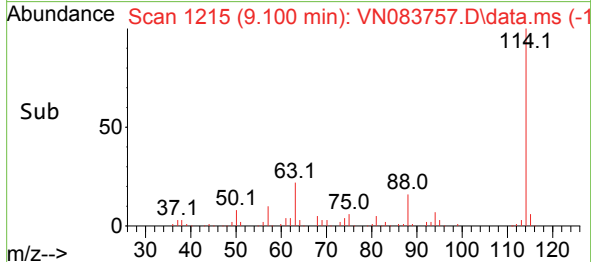
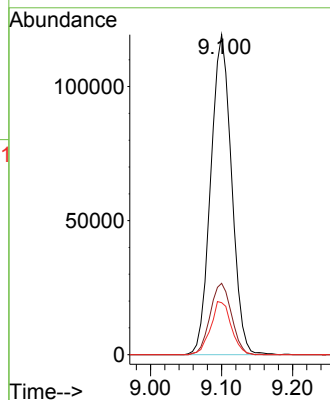
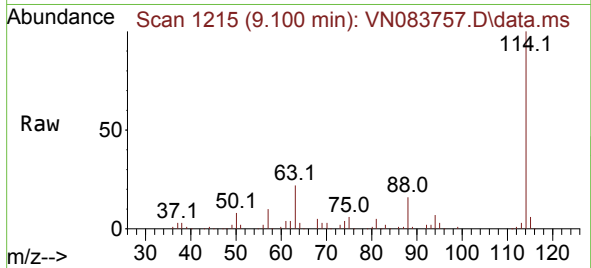




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

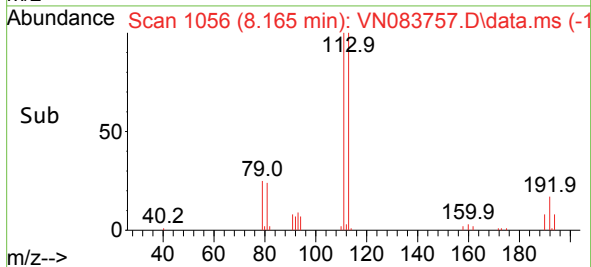
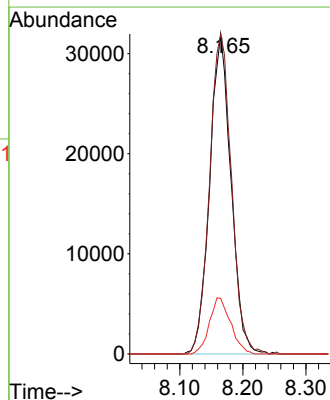
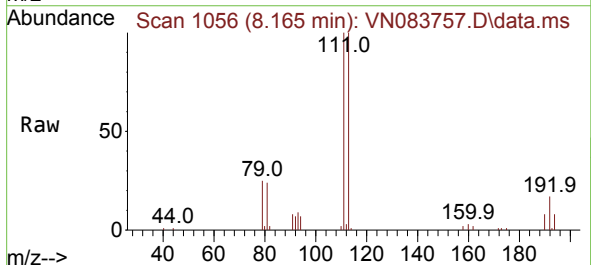
Instrument :
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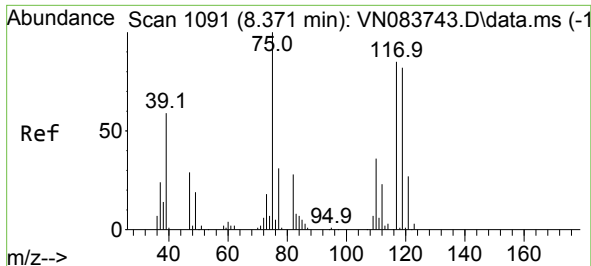
Tgt Ion:114 Resp: 242469
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.4
88 16.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.120 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion:113 Resp: 74695
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

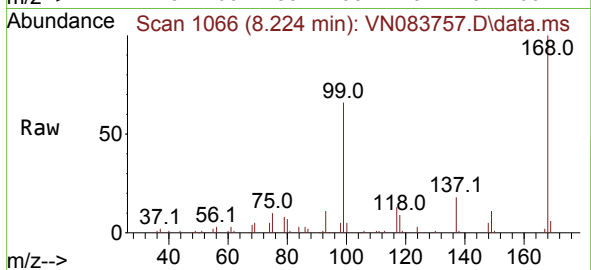
Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :



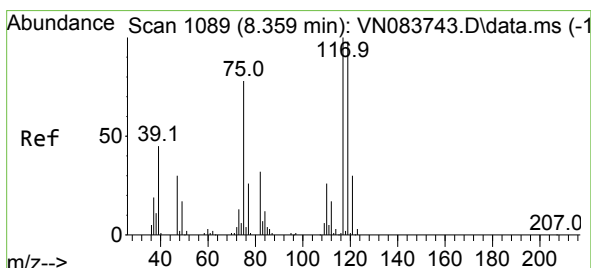
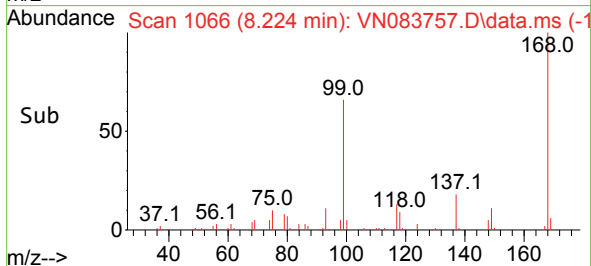
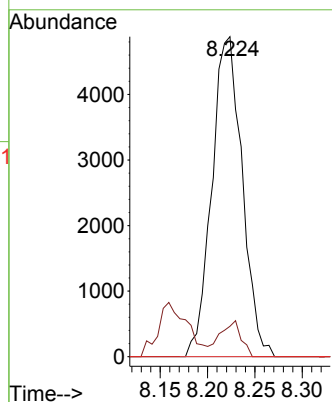
Tgt Ion: 75 Resp: 10879

Ion Ratio Lower Upper

75 100

110 7.7 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.203 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

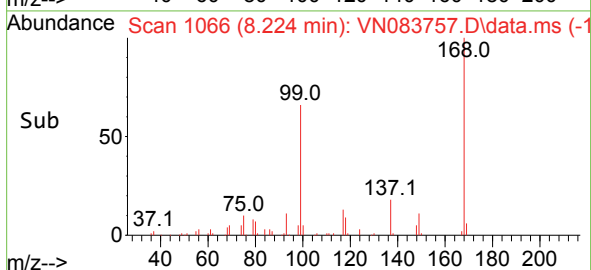
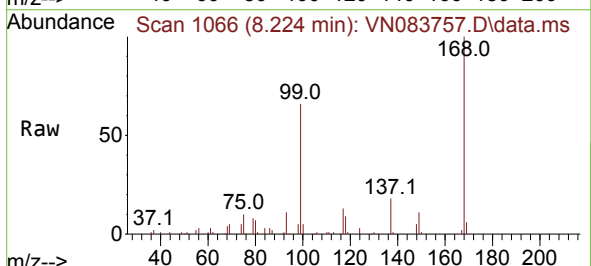
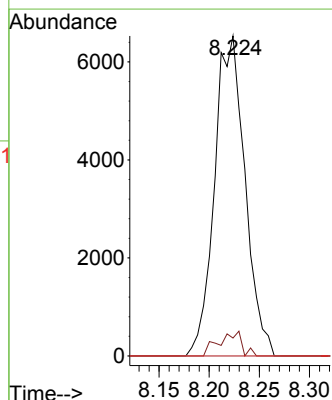
Tgt Ion: 117 Resp: 13790

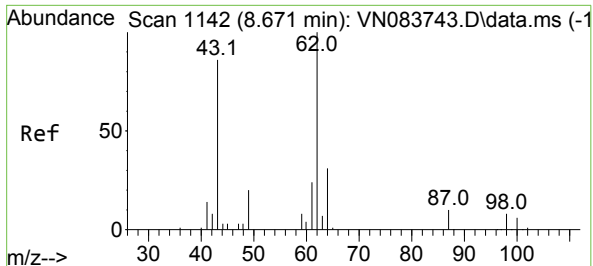
Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.908 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

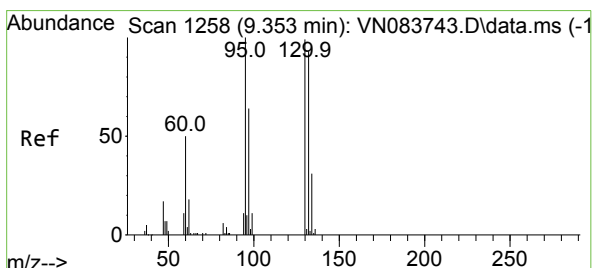
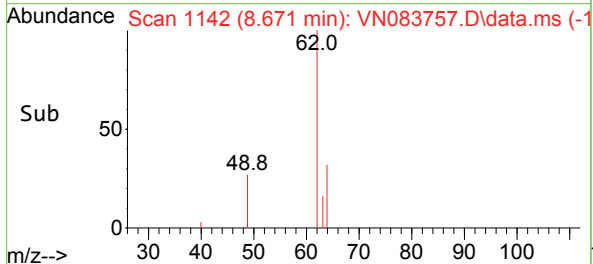
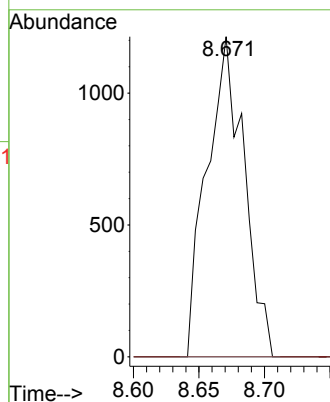
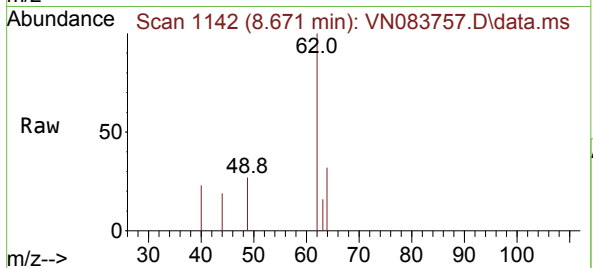
ClientSampleId :

Tgt Ion: 62 Resp: 2387

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#44

Trichloroethene

Concen: 15.865 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083757.D

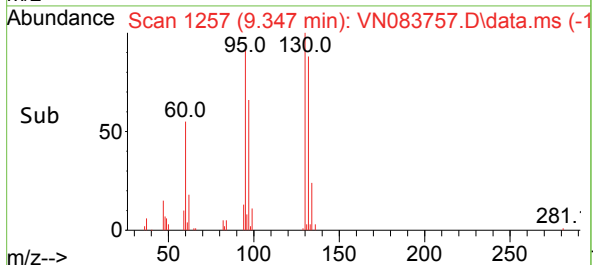
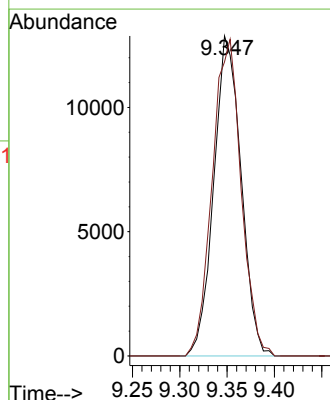
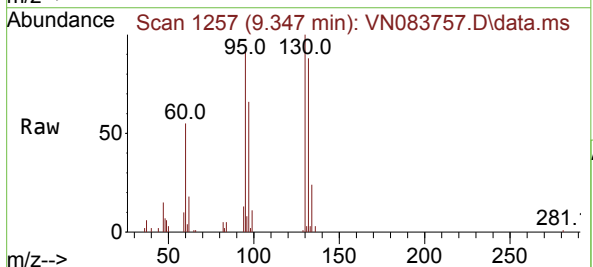
Acq: 10 Sep 2024 17:20

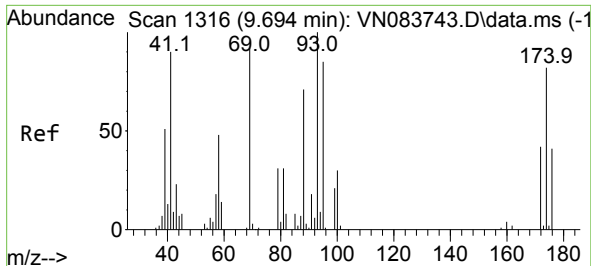
Tgt Ion:130 Resp: 25836

Ion Ratio Lower Upper

130 100

95 91.9 0.0 200.4





#49

1,4-Dioxane

Concen: 13.469 ug/l

RT: 9.688 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

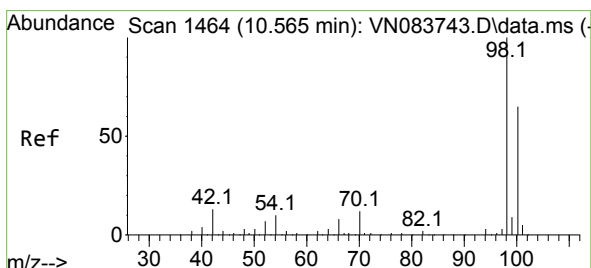
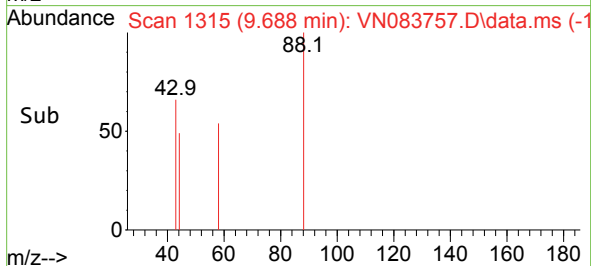
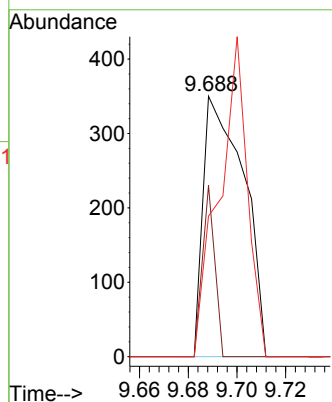
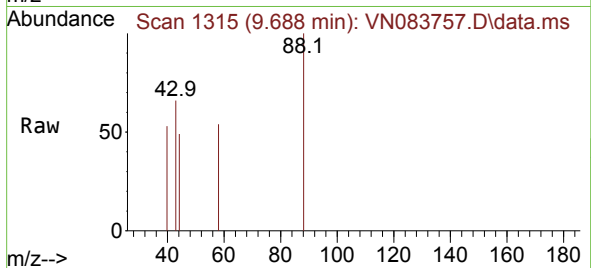
Tgt Ion: 88 Resp: 404

Ion Ratio Lower Upper

88 100

43 20.0 0.0 0.0#

58 86.4 57.1 85.7#



#50

Toluene-d8

Concen: 48.678 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083757.D

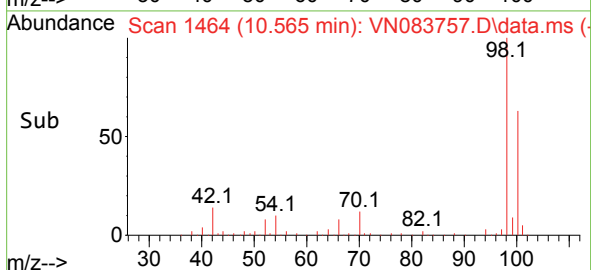
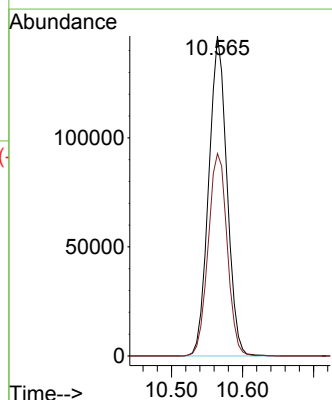
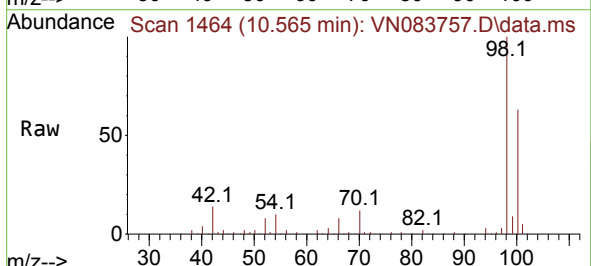
Acq: 10 Sep 2024 17:20

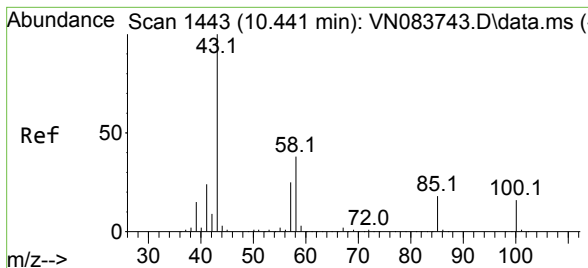
Tgt Ion: 98 Resp: 261217

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0

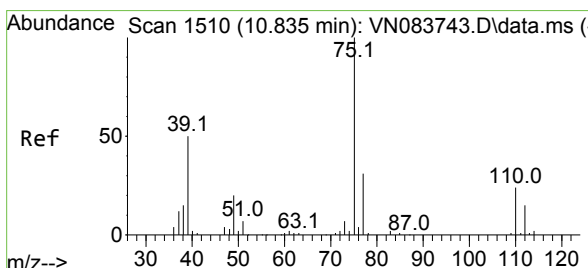
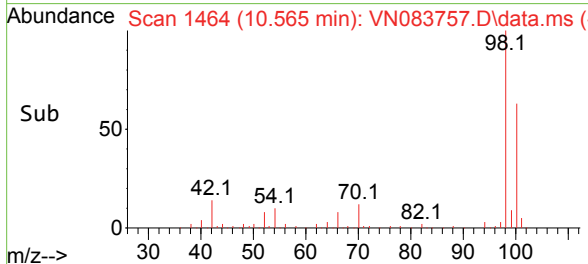
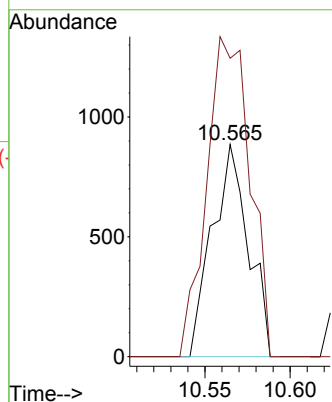
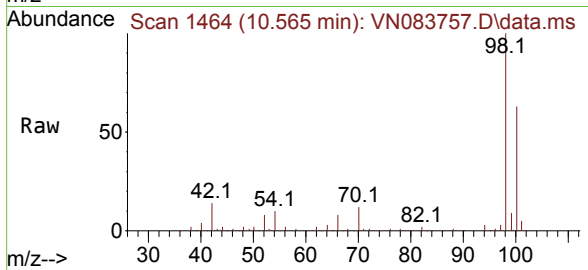




#51
4-Methyl-2-Pentanone
Concen: 0.626 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

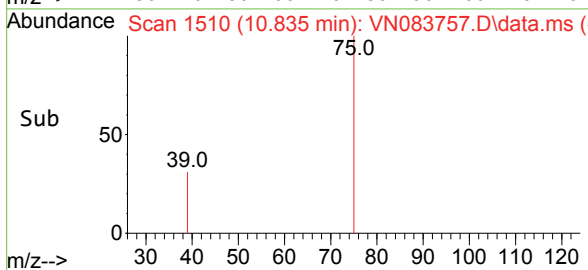
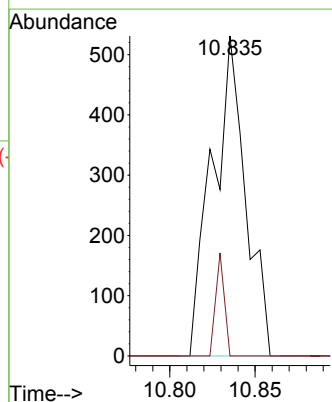
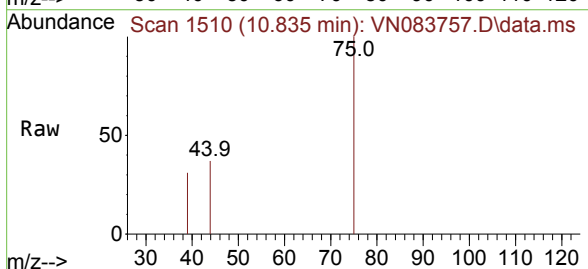
Instrument :
MSVOA_N
ClientSampleId :

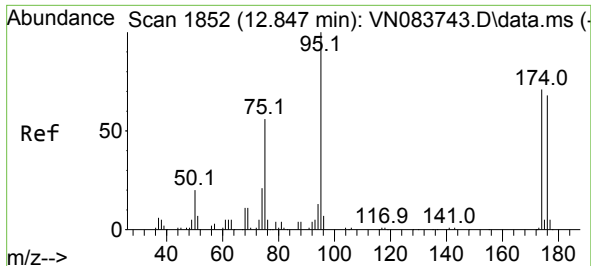
Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
58 179.9 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 75 Resp: 723
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

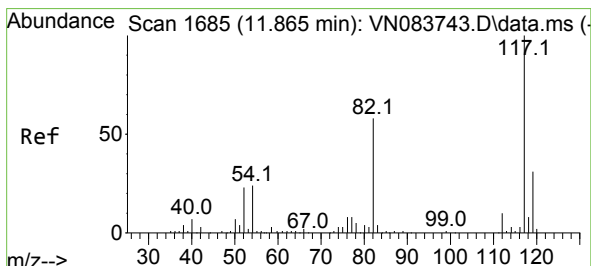
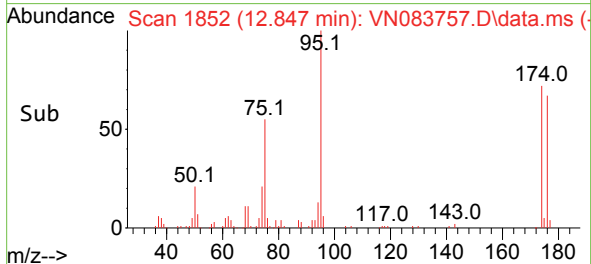
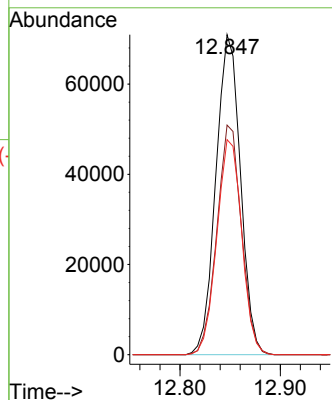
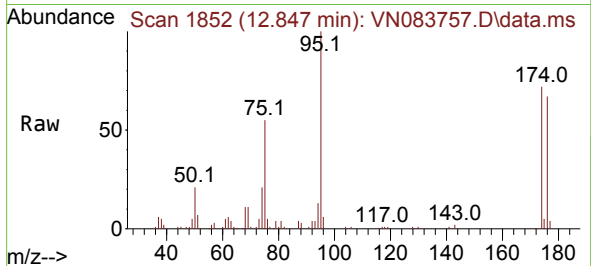




#62
4-Bromofluorobenzene
Concen: 54.427 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

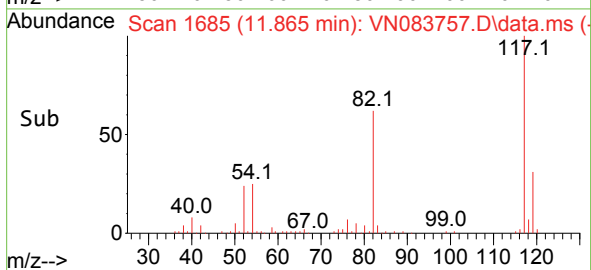
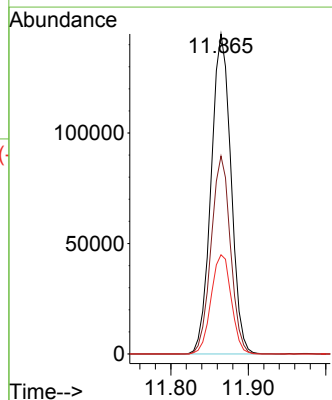
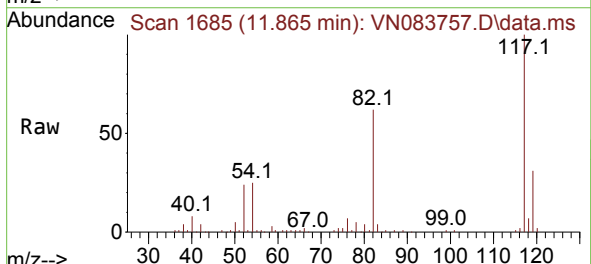
Instrument :
MSVOA_N
ClientSampleId :

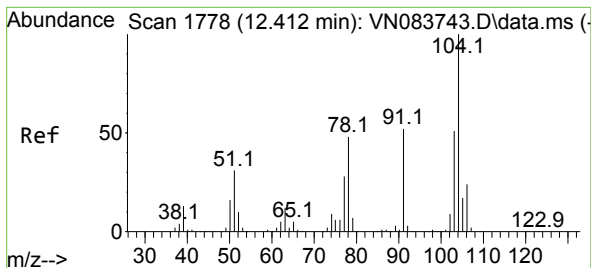
Tgt Ion: 95 Resp: 120499
Ion Ratio Lower Upper
95 100
174 71.8 0.0 139.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 117 Resp: 257703
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.0
119 31.0 26.3 39.5





#70

Styrene

Concen: 0.266 ug/l

RT: 12.412 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083757.D

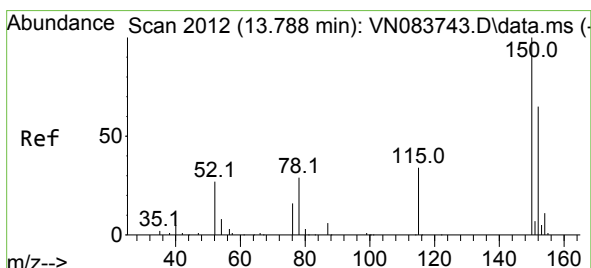
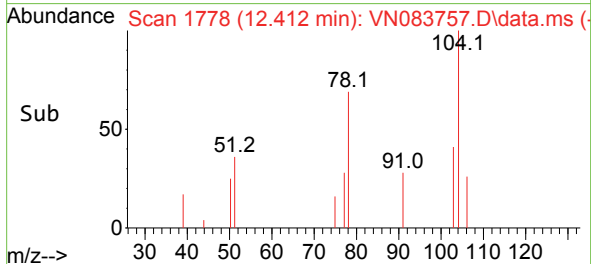
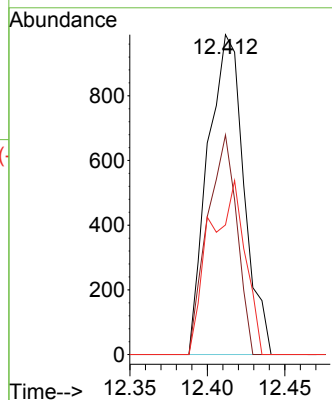
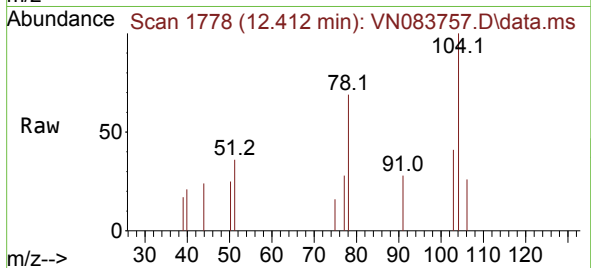
Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:104	Resp:	1599
Ion Ratio	Lower	Upper
104	100	
78	56.1	43.3 64.9
103	53.4	43.4 65.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

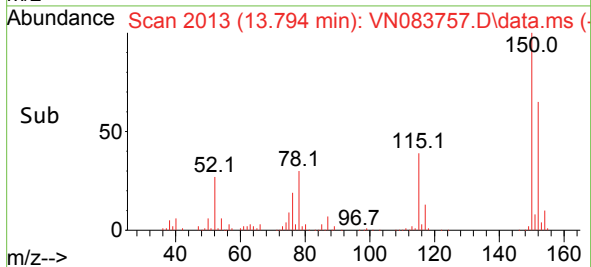
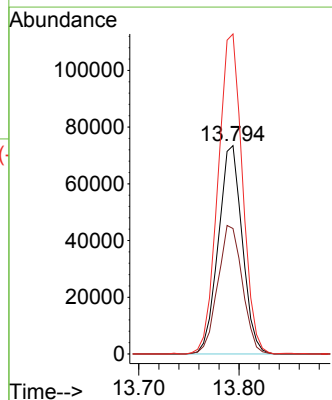
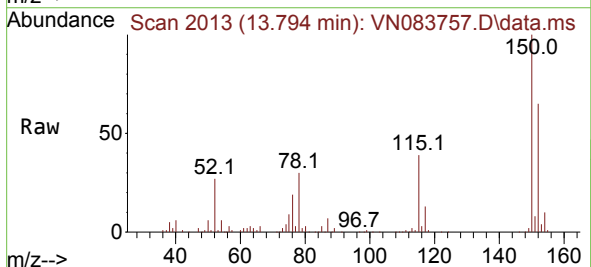
RT: 13.794 min Scan# 2013

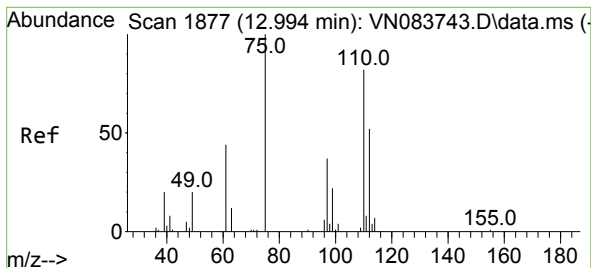
Delta R.T. 0.006 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Tgt Ion:152	Resp:	121462
Ion Ratio	Lower	Upper
152	100	
115	63.5	32.2 96.6
150	156.6	0.0 348.6

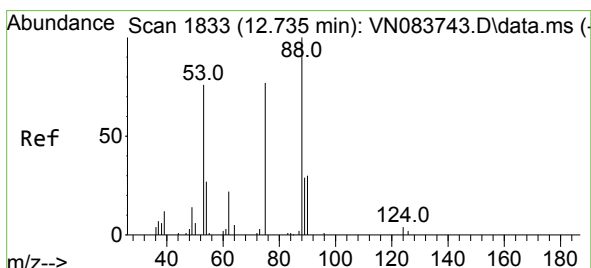
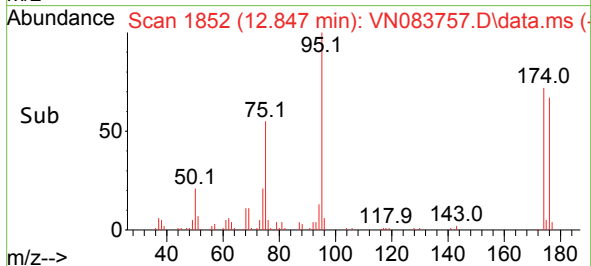
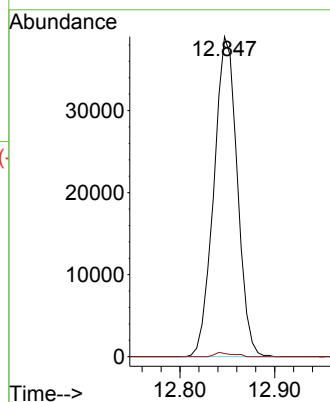
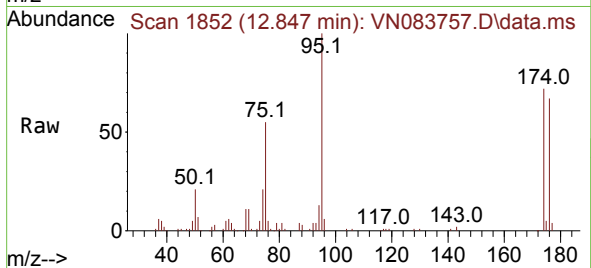




#76
1,2,3-Trichloropropane
Concen: 28.003 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

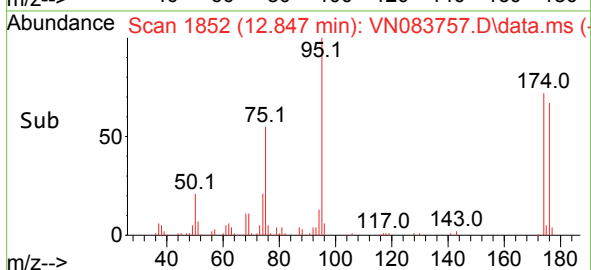
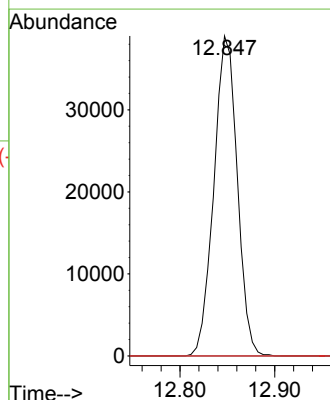
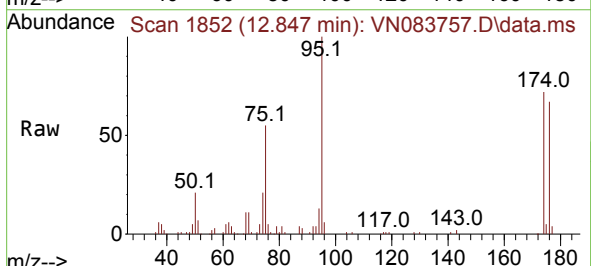
Instrument :
MSVOA_N
ClientSampleId :

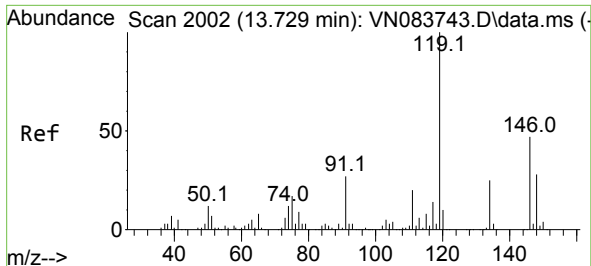
Tgt Ion: 75 Resp: 66937
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.531 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083757.D
Acq: 10 Sep 2024 17:20

Tgt Ion: 75 Resp: 66937
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.608 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

Instrument :

MSVOA_N

ClientSampleId :

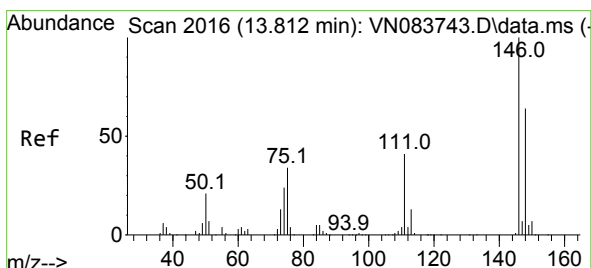
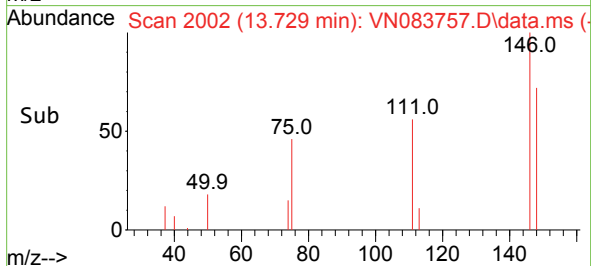
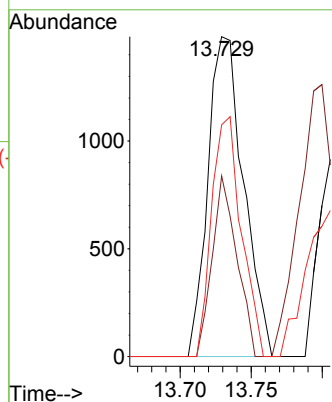
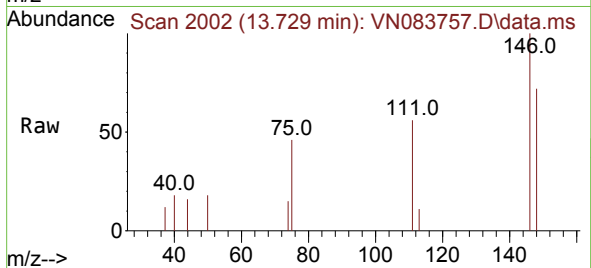
Tgt Ion:146 Resp: 2594

Ion Ratio Lower Upper

146 100

111 38.9 21.7 65.1

148 62.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.600 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN083757.D

Acq: 10 Sep 2024 17:20

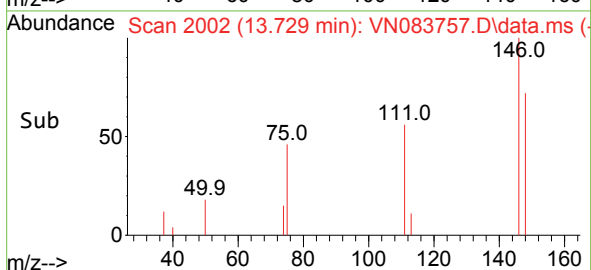
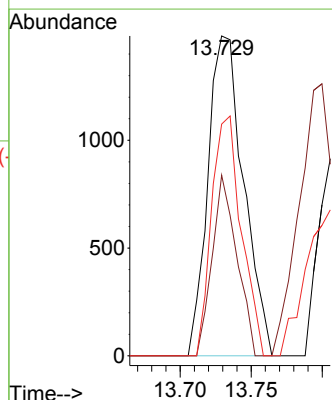
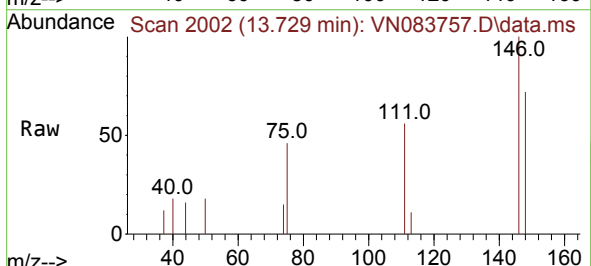
Tgt Ion:146 Resp: 2594

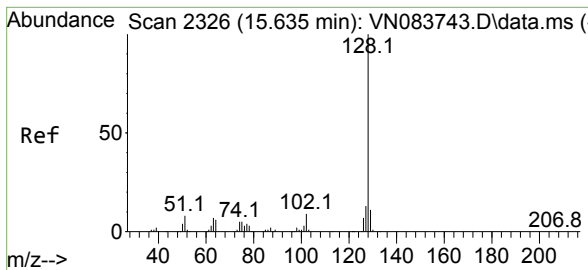
Ion Ratio Lower Upper

146 100

111 38.9 21.3 64.0

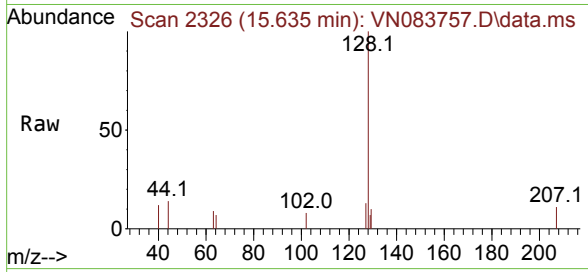
148 62.4 32.0 96.2





#95
 Naphthalene
 Concen: 0.640 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083757.D
 Acq: 10 Sep 2024 17:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.3	10.2	15.2#
129	8.3	8.7	13.1#

