

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083719.D
 Acq On : 09 Sep 2024 16:02
 Operator : JC\MD
 Sample : VN0909WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:11:13 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	8.218	168	130734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	130411	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102766	56.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.480%	
35) Dibromofluoromethane	8.165	113	82674	51.597	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.200%	
50) Toluene-d8	10.565	98	288979	46.346	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.700%	
62) 4-Bromofluorobenzene	12.847	95	133026	57.551	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 115.100%	

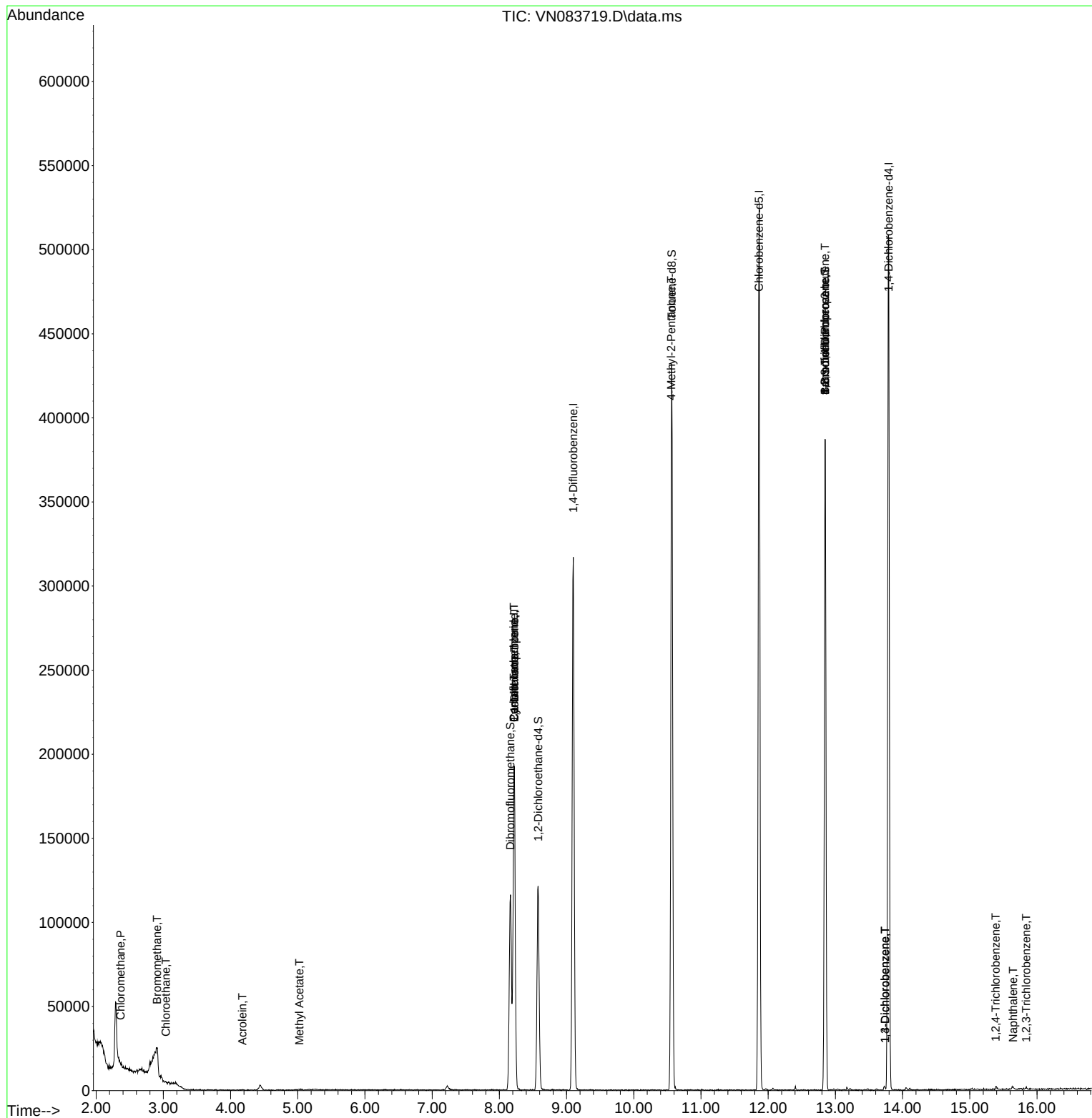
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	931	0.578	ug/l #	41
5) Bromomethane	2.906	94	413	0.487	ug/l #	2
6) Chloroethane	3.036	64	661	0.627	ug/l #	45
13) Acrolein	4.177	56	186	0.690	ug/l #	13
18) Methyl Acetate	5.024	43	855	0.441	ug/l #	52
31) Cyclohexane	8.224	56	3430	1.214	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	12206	4.994	ug/l #	51
38) Carbon Tetrachloride	8.218	117	15342	5.502	ug/l #	16
43) Isopropyl Acetate	8.771	43	68	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.559	43	1365	0.604	ug/l #	1
71) Bromoform	12.847	173	844	0.552	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72946	27.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72946	65.344	ug/l #	9
87) 1,3-Dichlorobenzene	13.741	146	1000	0.208	ug/l	92
88) 1,4-Dichlorobenzene	13.741	146	1000	0.202	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	730	0.278	ug/l #	71
95) Naphthalene	15.647	128	2245	0.266	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	658	0.251	ug/l #	53

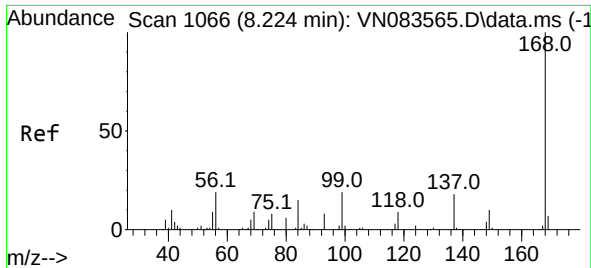
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 10 02:11:13 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

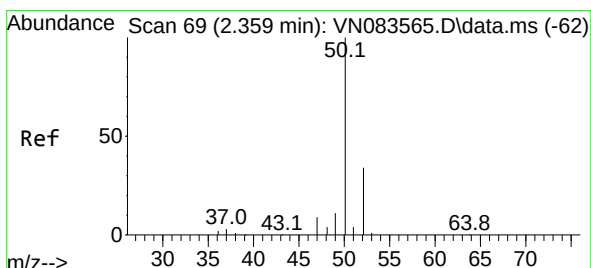
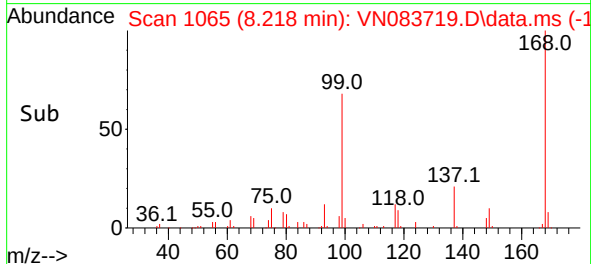
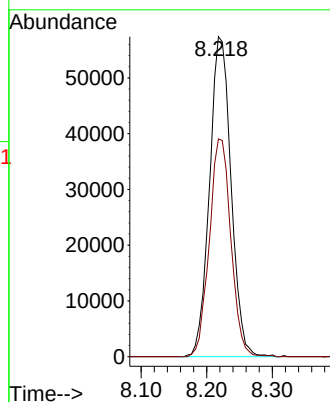
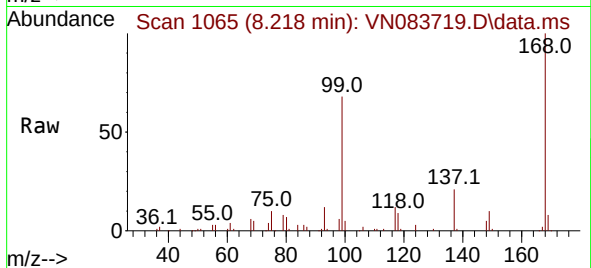




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

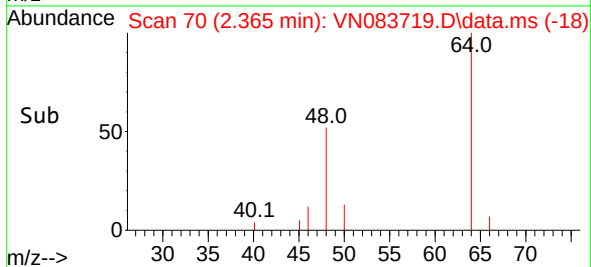
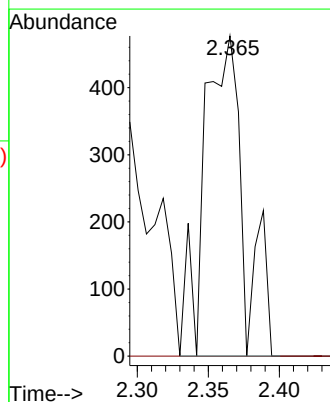
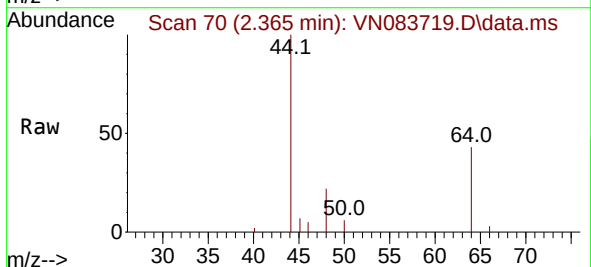
Instrument :
MSVOA_N
ClientSampleId :

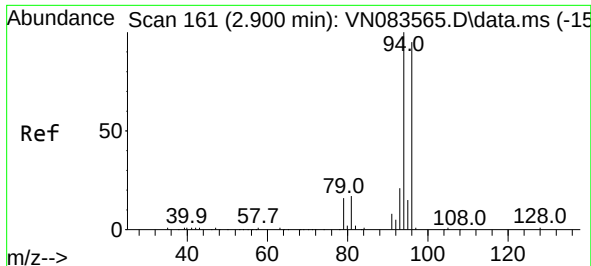
Tgt Ion:168 Resp: 130734
Ion Ratio Lower Upper
168 100
99 68.0 54.2 81.2



#3
Chloromethane
Concen: 0.578 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion: 50 Resp: 931
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

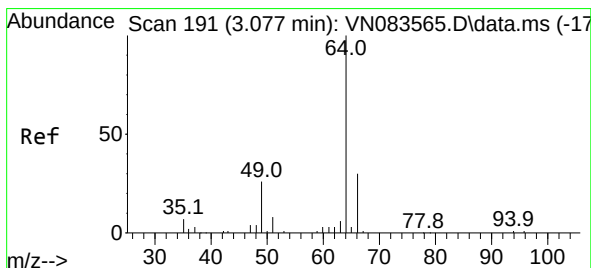
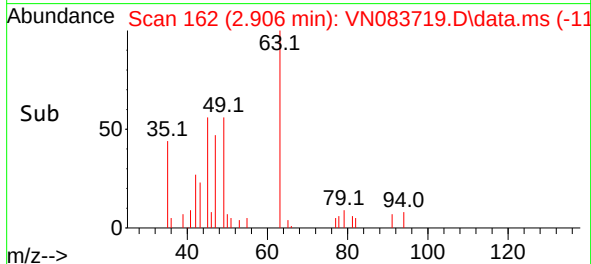
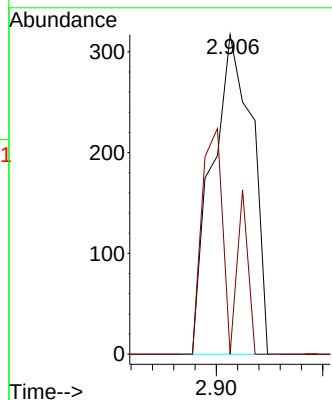
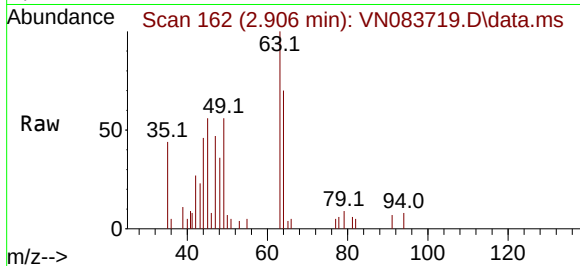




#5
Bromomethane
Concen: 0.487 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

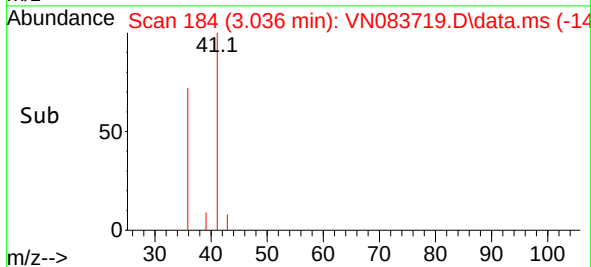
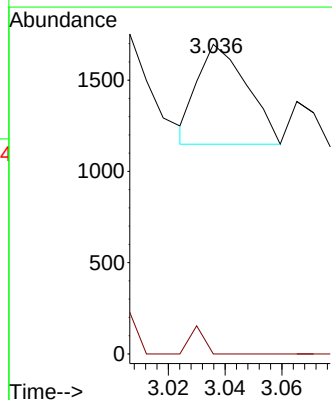
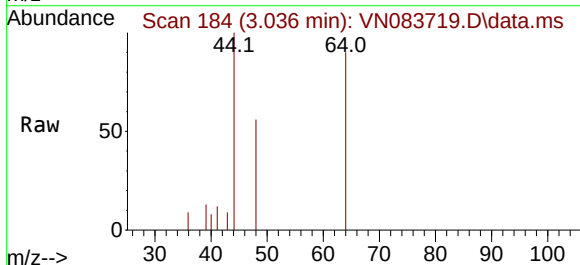
Instrument :
MSVOA_N
ClientSampleId :

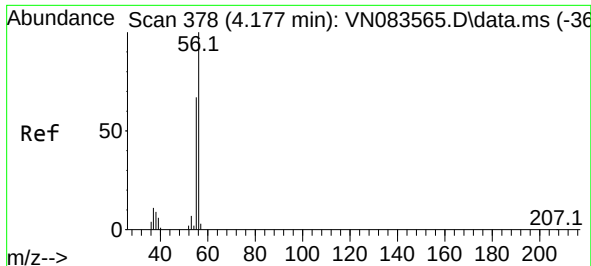
Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.627 ug/l
RT: 3.036 min Scan# 184
Delta R.T. -0.041 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

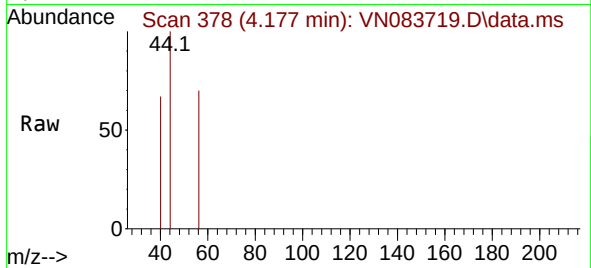
Tgt Ion: 64 Resp: 661
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



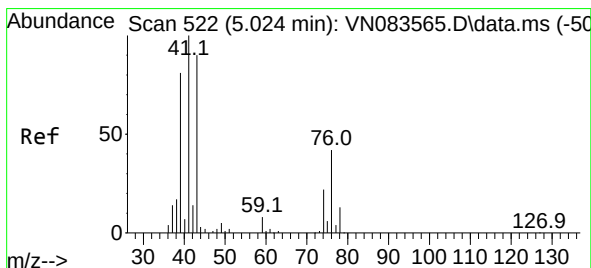
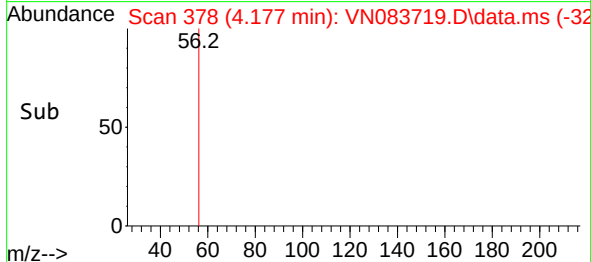
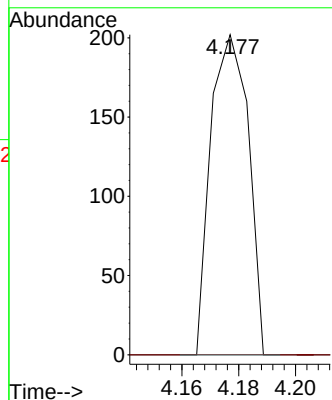


#13
Acrolein
Concen: 0.690 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :

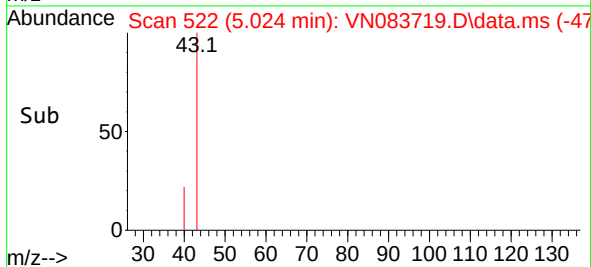
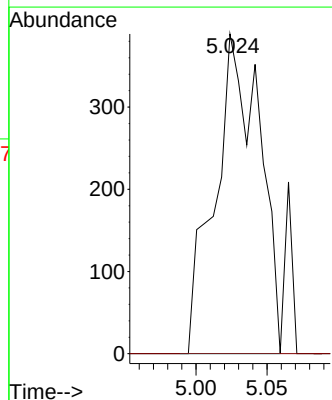
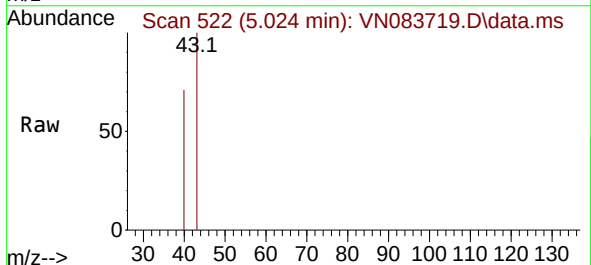


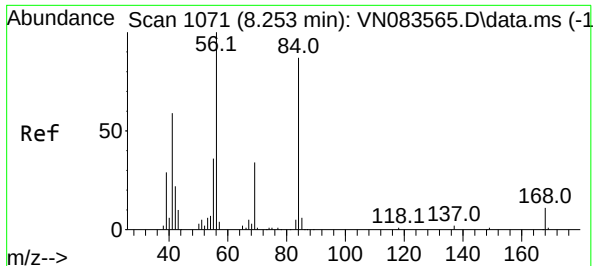
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

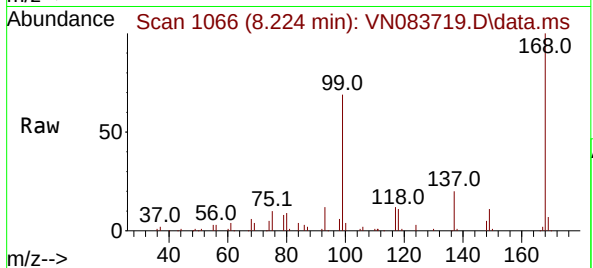
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



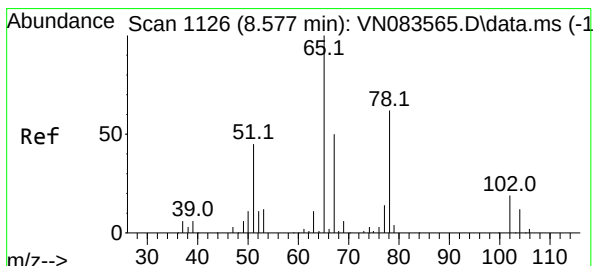
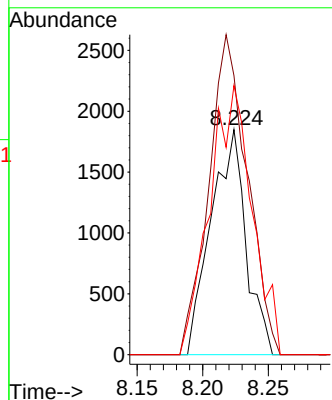
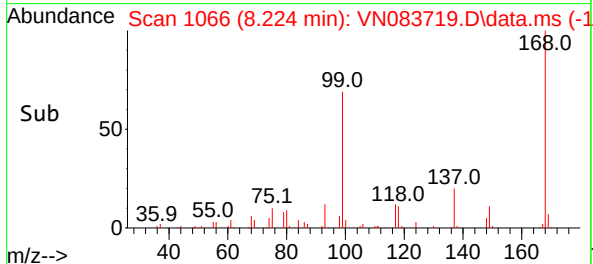


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :

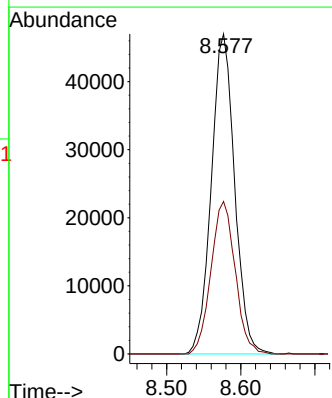
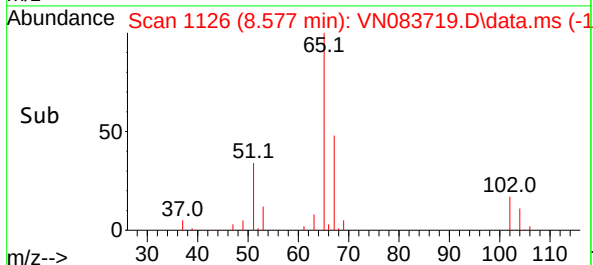
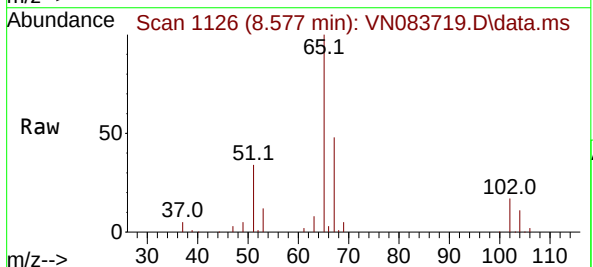


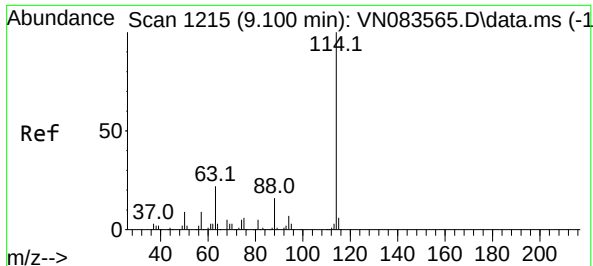
Tgt Ion: 56 Resp: 3430
Ion Ratio Lower Upper
56 100
69 124.0 26.9 40.3#
84 119.6 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 56.244 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion: 65 Resp: 102766
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Instrument :

MSVOA_N

ClientSampleId :

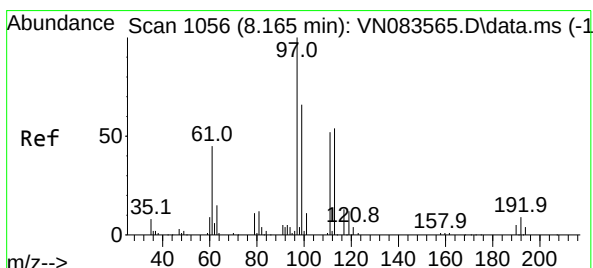
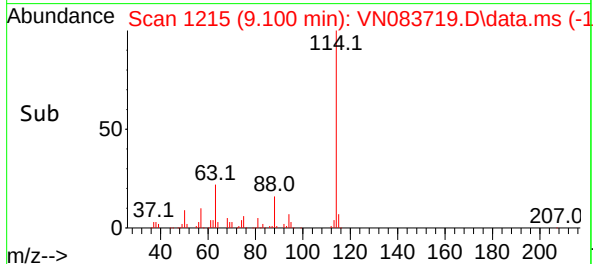
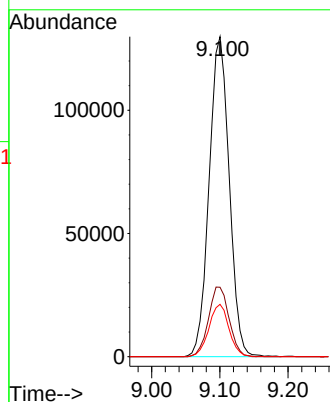
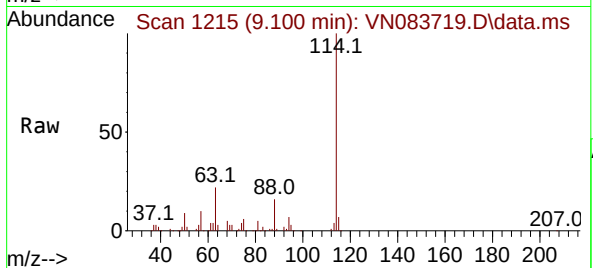
Tgt Ion:114 Resp: 266217

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.597 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

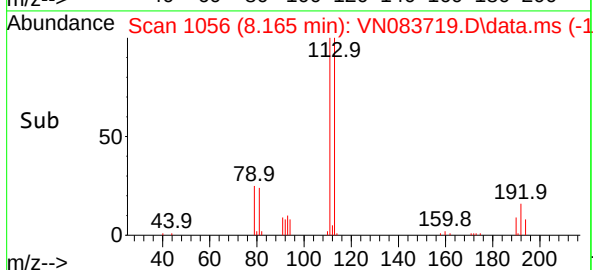
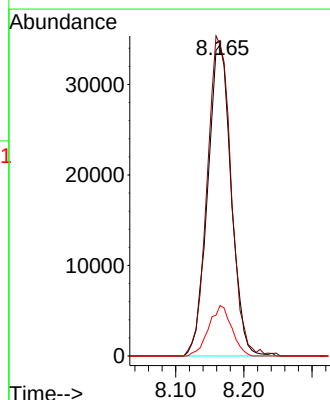
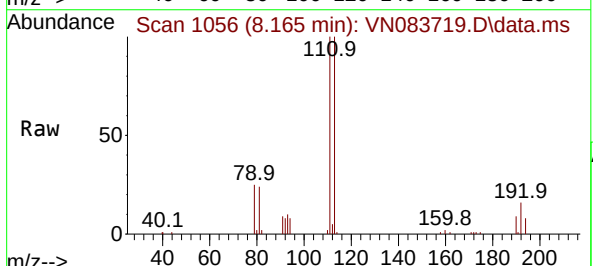
Tgt Ion:113 Resp: 82674

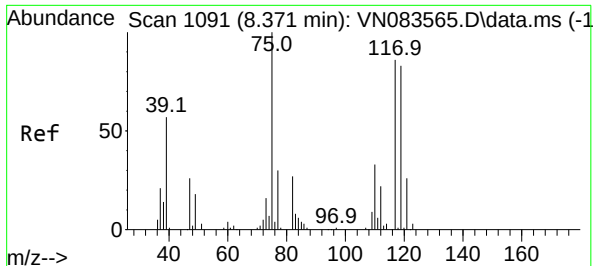
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 15.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.994 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

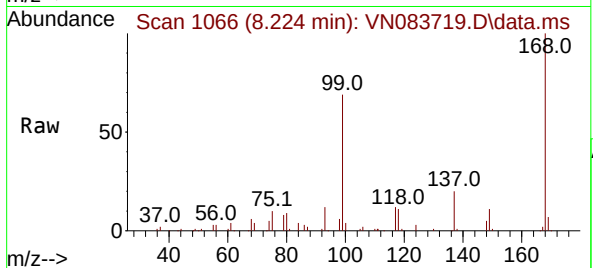
Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

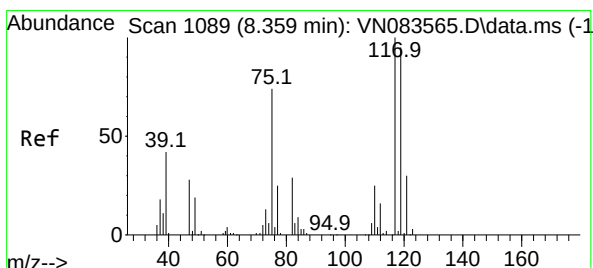
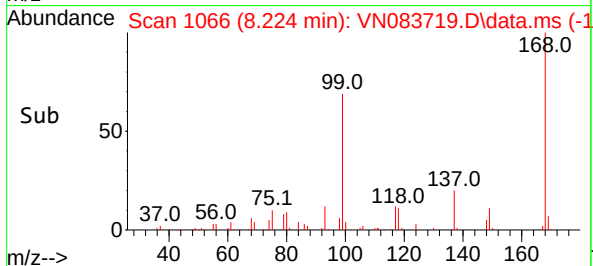
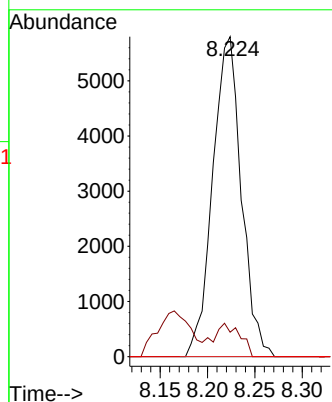
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 12206
Ion Ratio	Lower Upper
75	100
110	9.6 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.502 ug/l

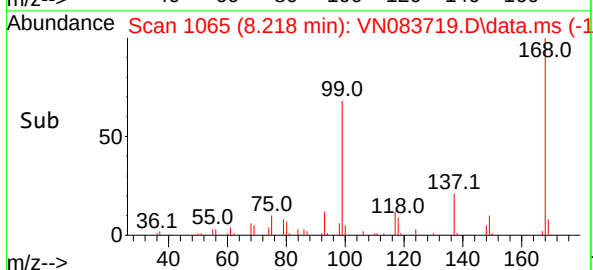
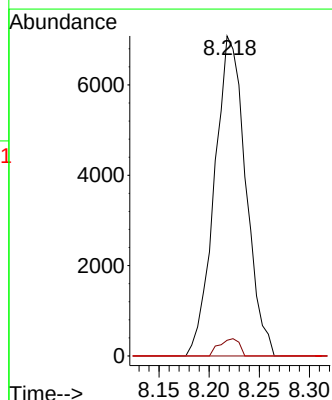
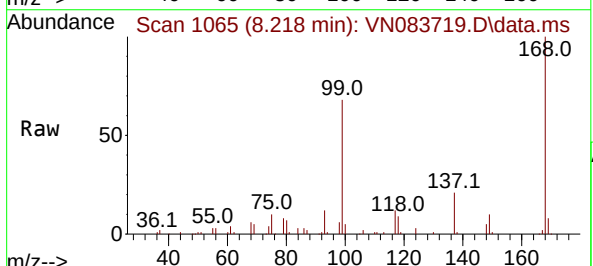
RT: 8.218 min Scan# 1065

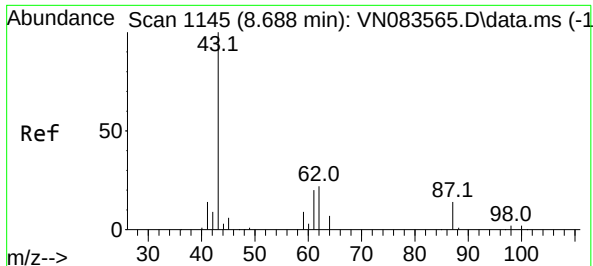
Delta R.T. -0.141 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Tgt Ion: 117	Resp: 15342
Ion Ratio	Lower Upper
117	100
119	4.9 76.1 114.1#
121	0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.771 min Scan# 1159

Delta R.T. 0.083 min

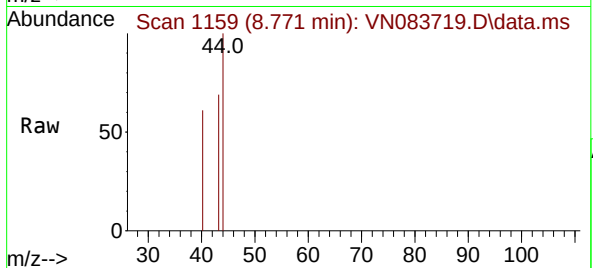
Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Instrument :

MSVOA_N

ClientSampleId :



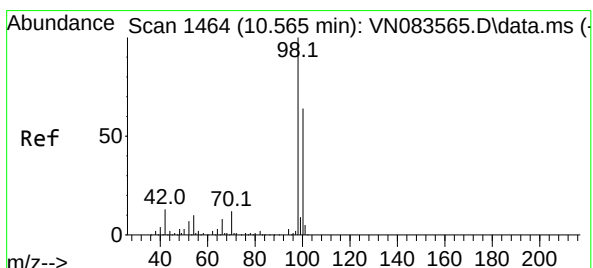
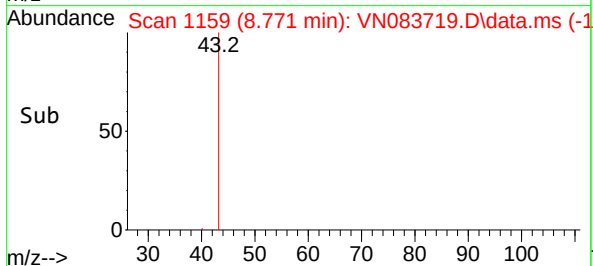
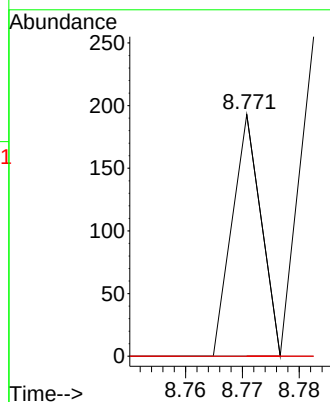
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#50

Toluene-d8

Concen: 46.346 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083719.D

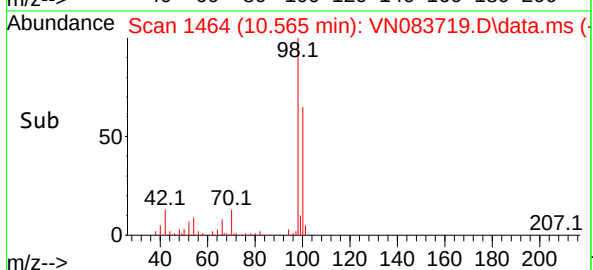
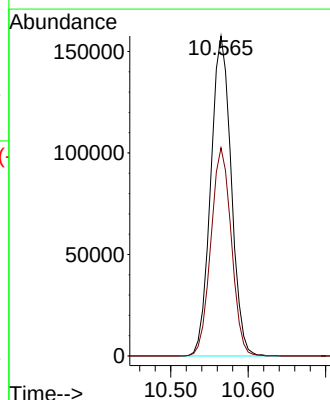
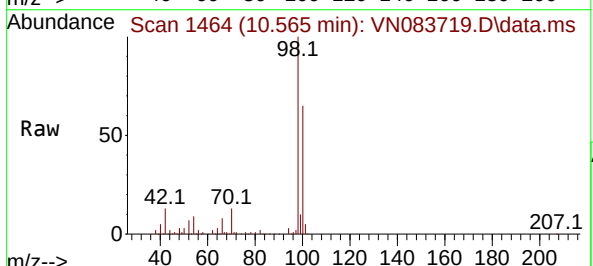
Acq: 09 Sep 2024 16:02

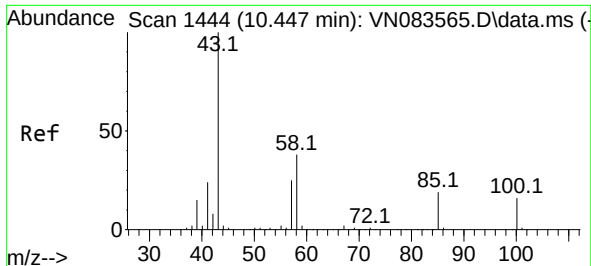
Tgt Ion: 98 Resp: 288979

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.604 ug/l

RT: 10.559 min Scan# 14

Delta R.T. 0.112 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Instrument :

MSVOA_N

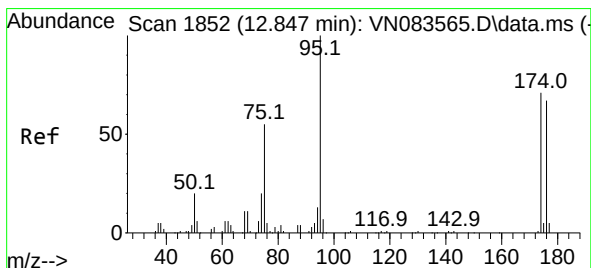
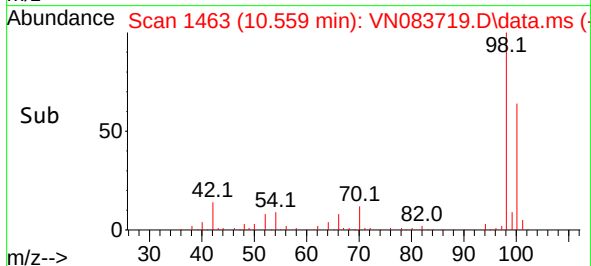
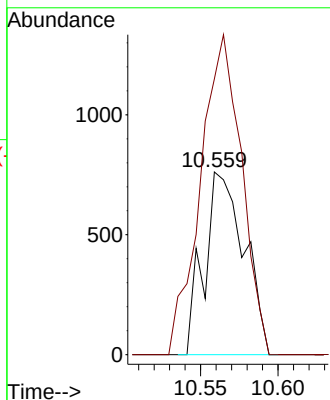
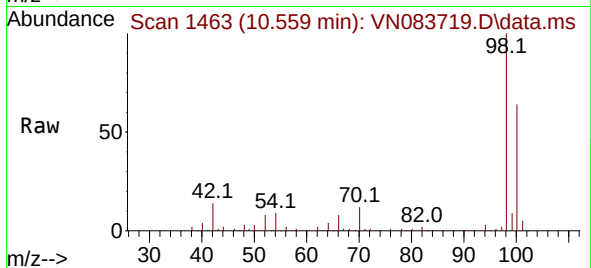
ClientSampleId :

Tgt Ion: 43 Resp: 1365

Ion Ratio Lower Upper

43 100

58 180.9 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 57.551 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

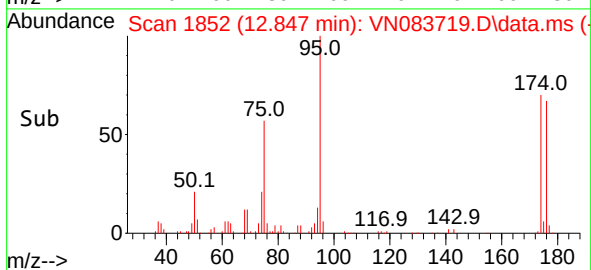
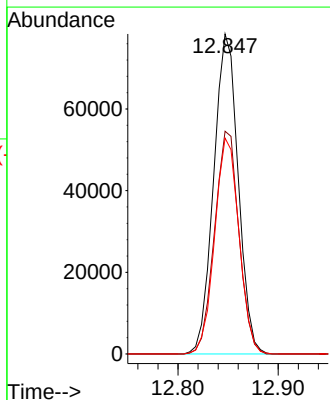
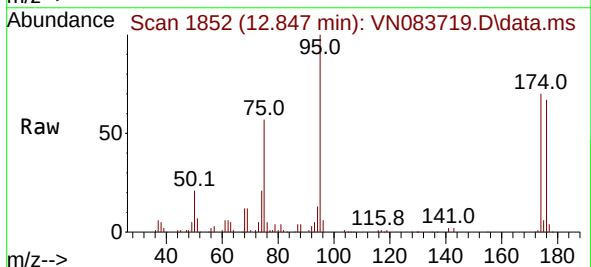
Tgt Ion: 95 Resp: 133026

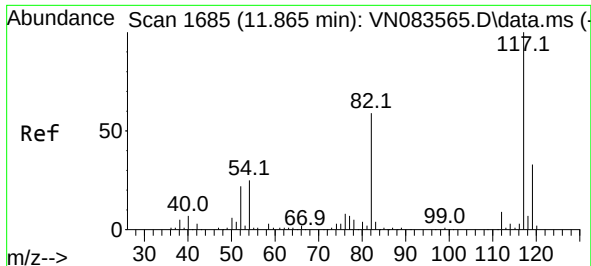
Ion Ratio Lower Upper

95 100

174 69.2 0.0 139.8

176 67.0 0.0 131.4

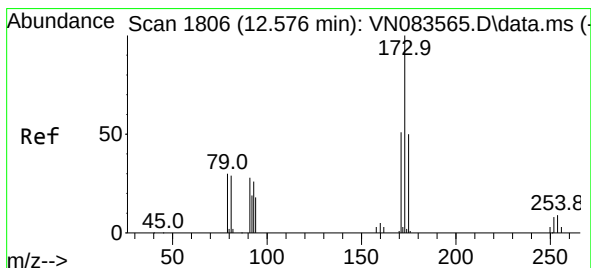
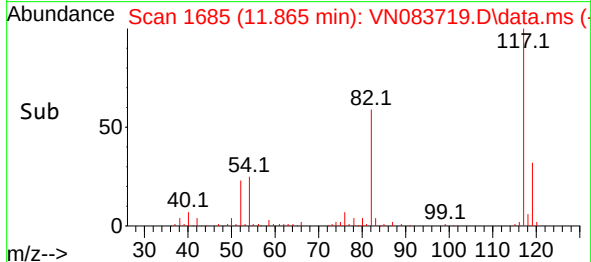
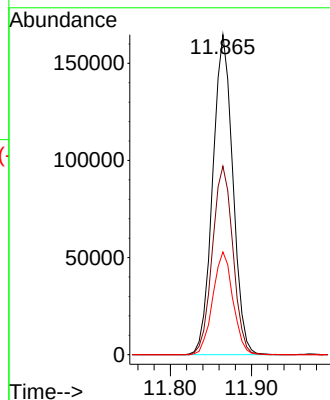
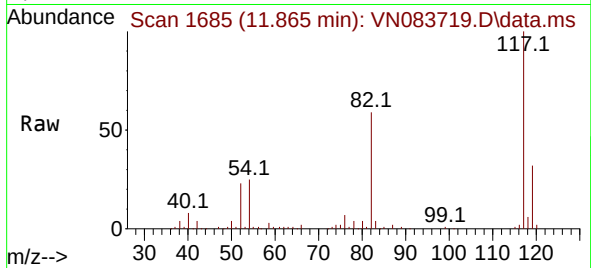




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

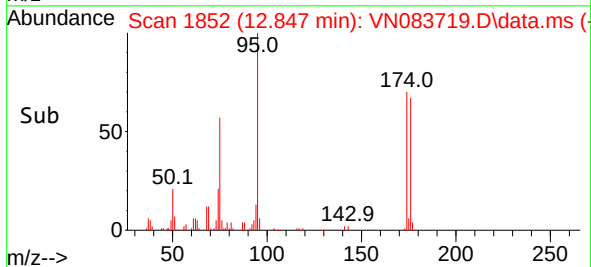
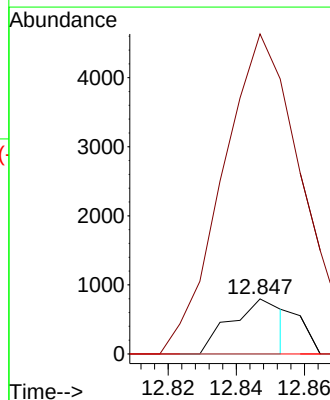
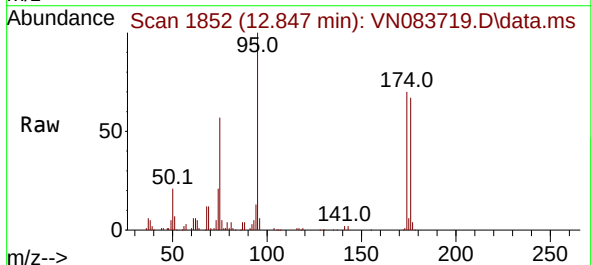
Instrument :
MSVOA_N
ClientSampleId :

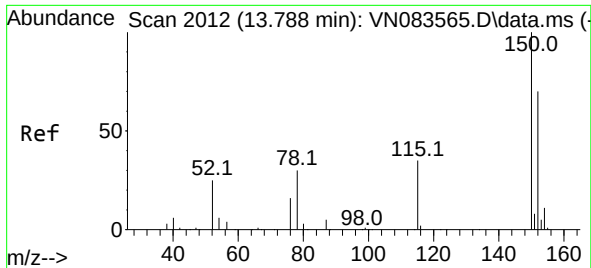
Tgt Ion:117 Resp: 283723
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 32.1 26.3 39.5



#71
Bromoform
Concen: 0.552 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion:173 Resp: 844
Ion Ratio Lower Upper
173 100
175 682.3 24.1 72.2#
254 0.0 0.0 0.0

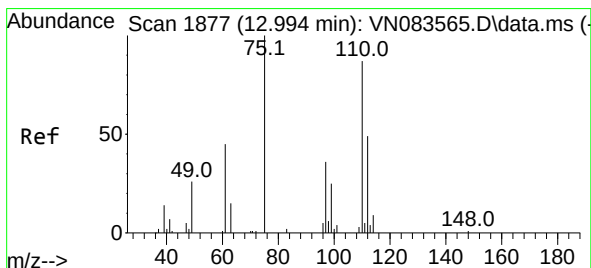
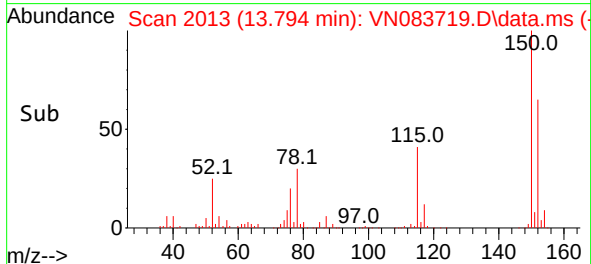
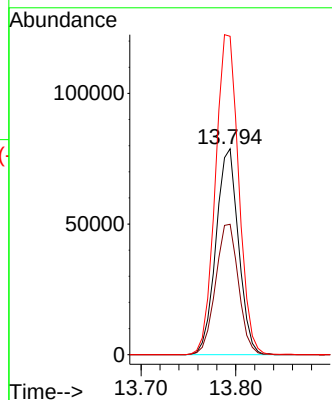
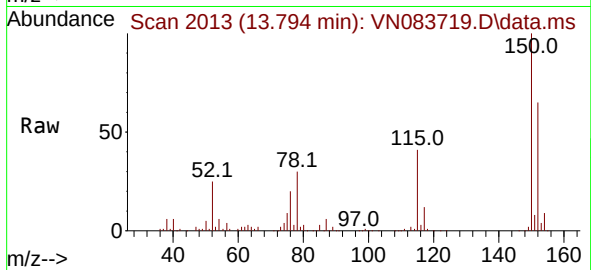




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

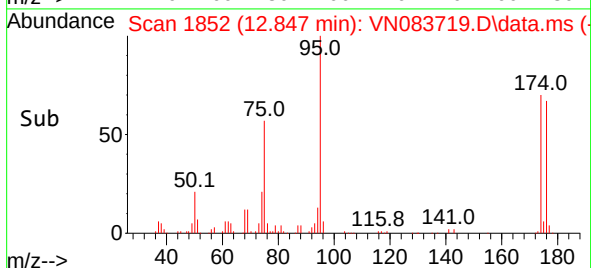
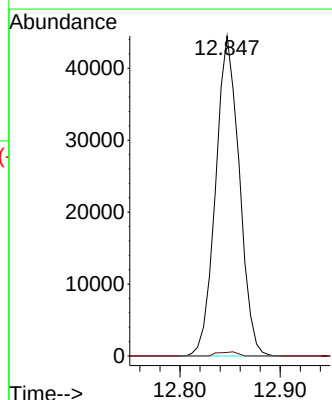
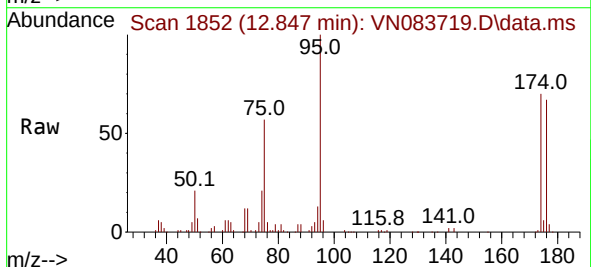
Instrument :
MSVOA_N
ClientSampleId :

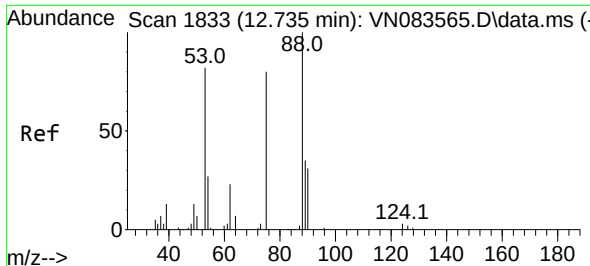
Tgt Ion:152 Resp: 130411
Ion Ratio Lower Upper
152 100
115 64.6 32.2 96.6
150 160.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 27.705 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion: 75 Resp: 72946
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#

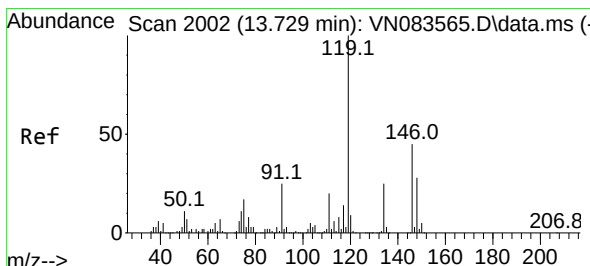
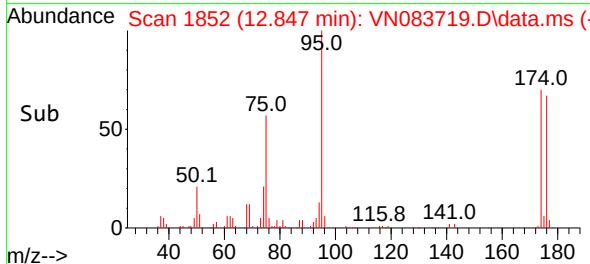
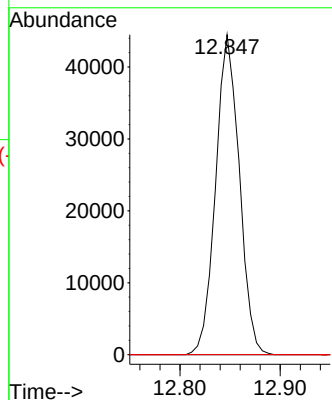
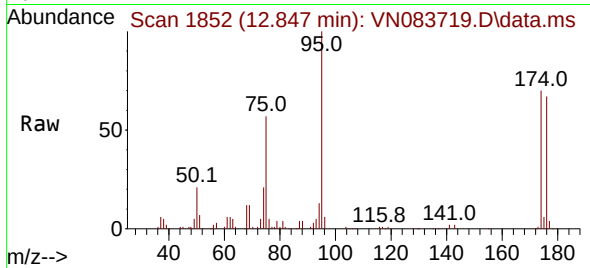




#81
trans-1,4-Dichloro-2-butene
Concen: 65.344 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

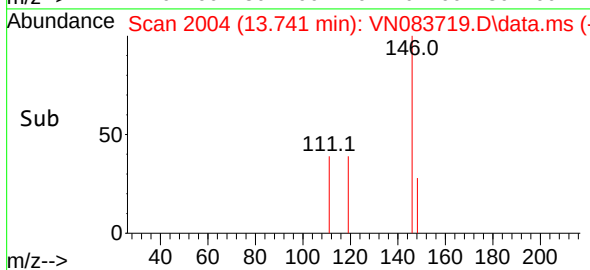
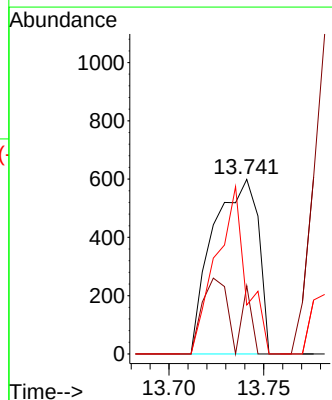
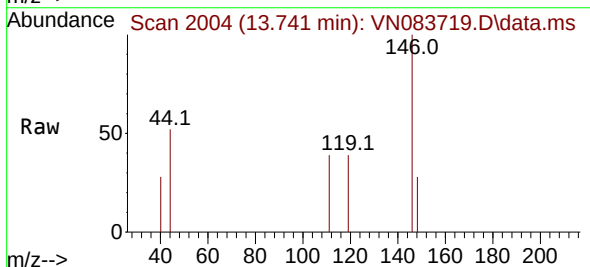
Instrument :
MSVOA_N
ClientSampleId :

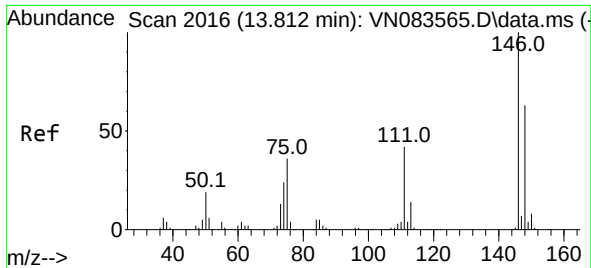
Tgt Ion: 75 Resp: 72946
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.208 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.012 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion:146 Resp: 1000
Ion Ratio Lower Upper
146 100
111 31.9 21.7 65.1
148 64.0 31.7 95.1

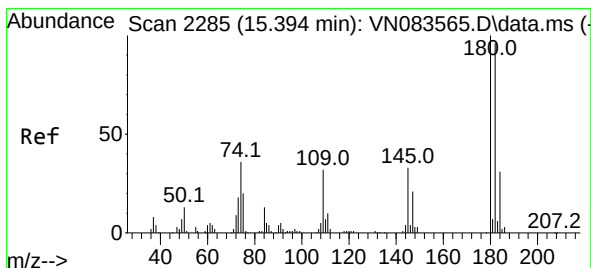
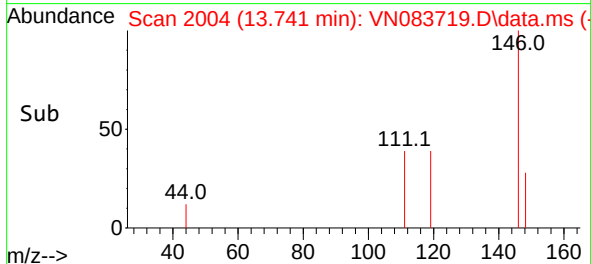
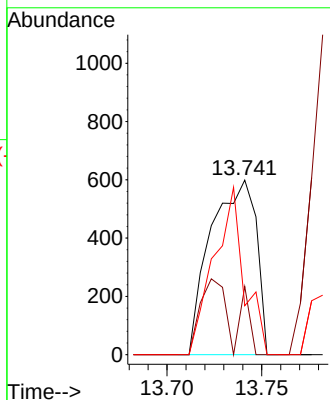
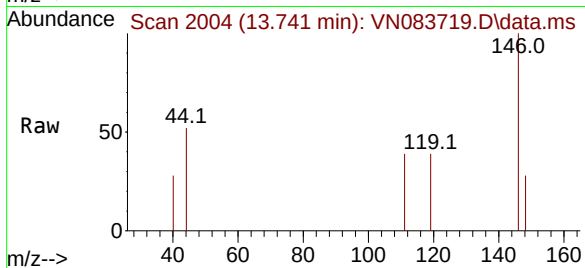




#88
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 13.741 min Scan# 2016
Delta R.T. -0.071 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

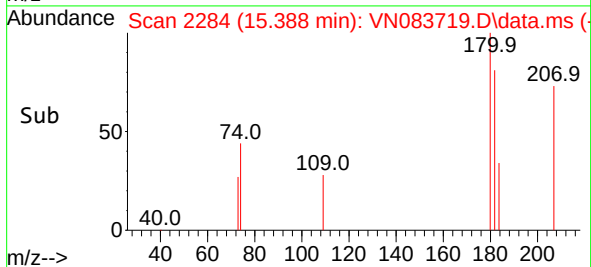
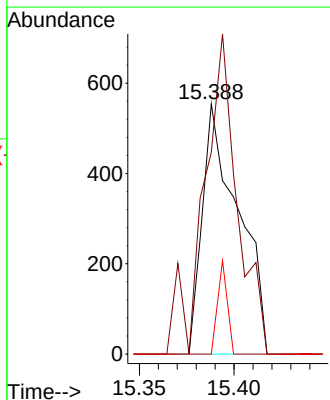
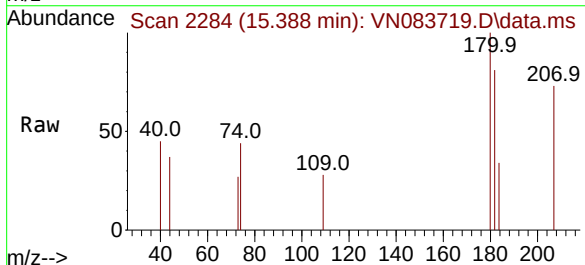
Instrument :
MSVOA_N
ClientSampleId :

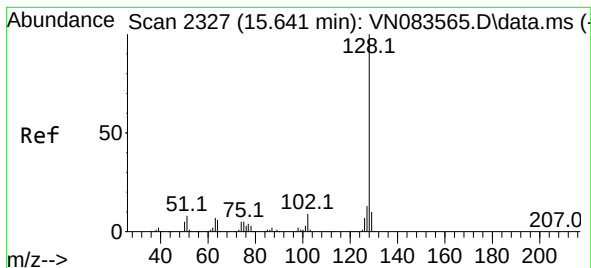
Tgt Ion:146 Resp: 1000
Ion Ratio Lower Upper
146 100
111 31.9 21.3 64.0
148 64.0 32.0 96.2



#93
1,2,4-Trichlorobenzene
Concen: 0.278 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN083719.D
Acq: 09 Sep 2024 16:02

Tgt Ion:180 Resp: 730
Ion Ratio Lower Upper
180 100
182 119.6 48.1 144.3
145 10.0 16.9 50.7#





#95

Naphthalene

Concen: 0.266 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

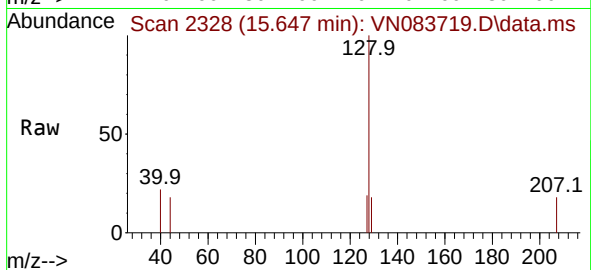
Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Instrument :

MSVOA_N

ClientSampleId :



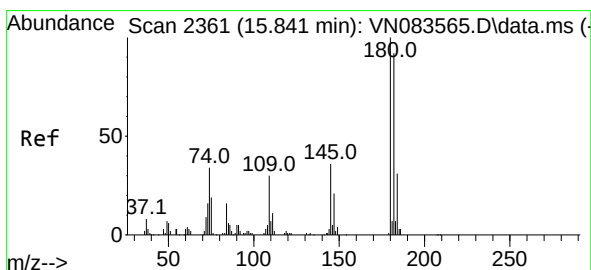
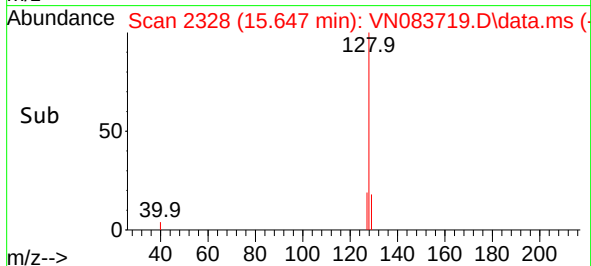
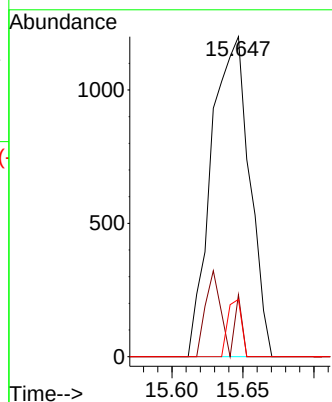
Tgt Ion:128 Resp: 2245

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.2

129 6.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.251 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN083719.D

Acq: 09 Sep 2024 16:02

Tgt Ion:180 Resp: 658

Ion Ratio Lower Upper

180 100

182 41.8 47.1 141.4#

145 18.8 17.8 53.5

