

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083856.D
 Acq On : 13 Sep 2024 06:13
 Operator : JC\MD
 Sample : P3957-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 07:45:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

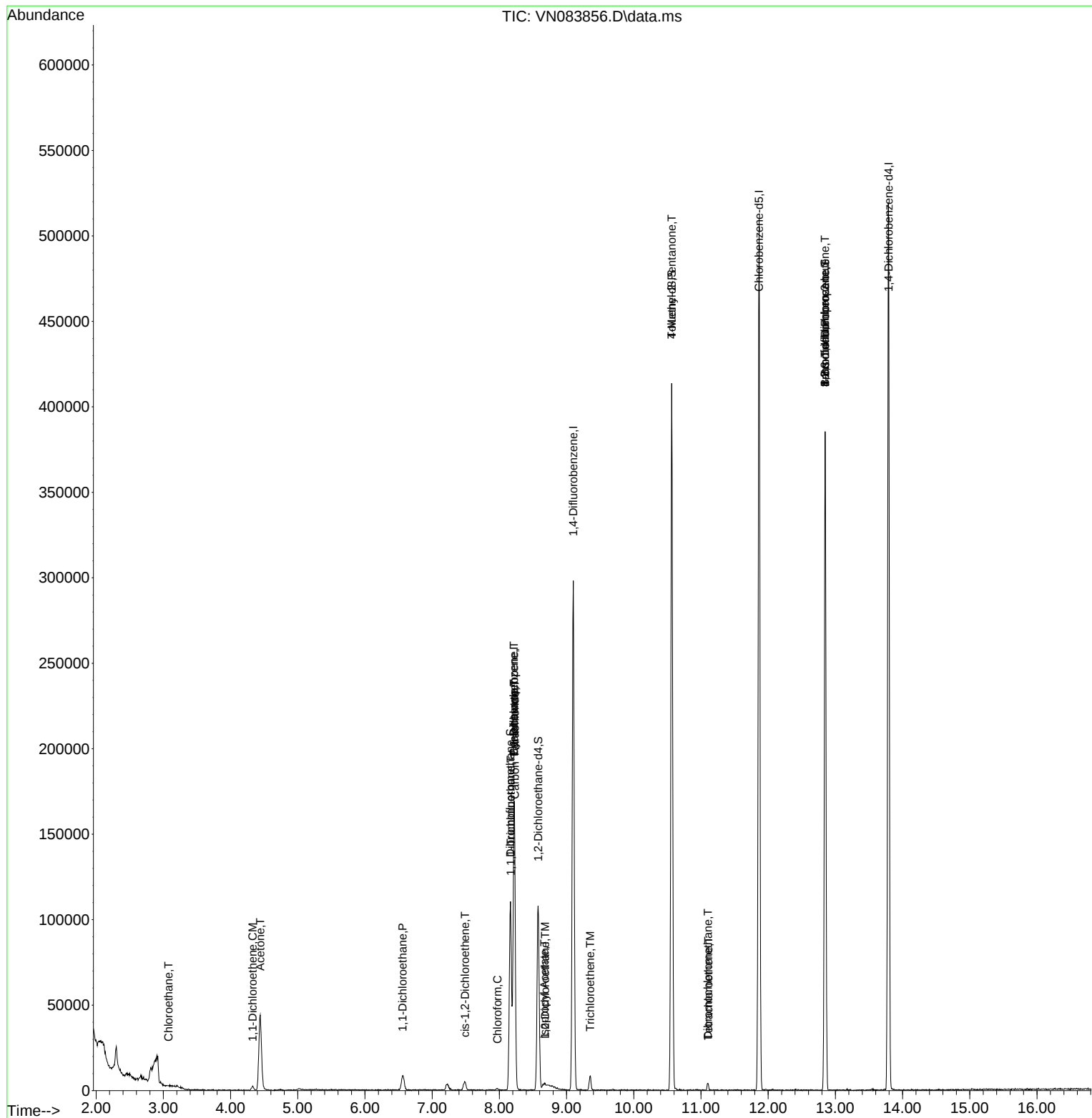
Internal Standards						
1) Pentafluorobenzene	8.218	168	116573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	244415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94563	53.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
35) Dibromofluoromethane	8.165	113	75175	48.044	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.080%			
50) Toluene-d8	10.565	98	272355	50.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.700%			
62) 4-Bromofluorobenzene	12.847	95	131197	58.787	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 117.580%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	595	Below Cal	#	69
6) Chloroethane	3.077	64	448	0.430	ug/l #	45
12) 1,1-Dichloroethene	4.330	96	1614	1.280	ug/l #	56
16) Acetone	4.442	43	1269	1.801	ug/l	99
18) Methyl Acetate	5.024	43	1674	Below Cal	#	66
24) 1,1-Dichloroethane	6.559	63	13502	5.067	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	3359	2.094	ug/l	82
30) Chloroform	7.971	83	1279	0.452	ug/l #	73
31) Cyclohexane	8.218	56	3150	1.240	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	739	0.284	ug/l #	22
36) 1,1-Dichloropropene	8.218	75	10774	4.575	ug/l #	47
38) Carbon Tetrachloride	8.229	117	13549	5.071	ug/l #	12
42) 1,2-Dichloroethane	8.682	62	700	0.264	ug/l #	77
43) Isopropyl Acetate	8.671	43	4193	1.082	ug/l #	57
44) Trichloroethene	9.353	130	3050	1.858	ug/l	66
51) 4-Methyl-2-Pentanone	10.565	43	1248	0.592	ug/l #	1
60) Dibromochloromethane	11.106	129	867	0.479	ug/l #	10
64) Tetrachloroethene	11.112	164	847	0.465	ug/l #	83
71) Bromoform	12.847	173	676	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73802	28.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73802	74.085	ug/l #	9

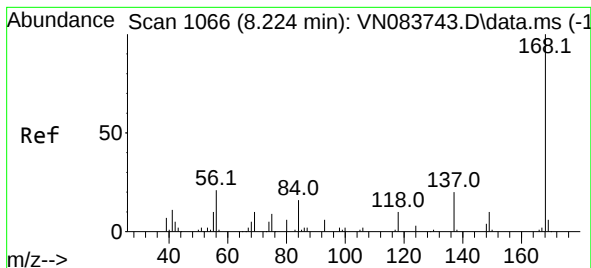
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
Data File : VN083856.D
Acq On : 13 Sep 2024 06:13
Operator : JC\MD
Sample : P3957-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 13 07:45:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

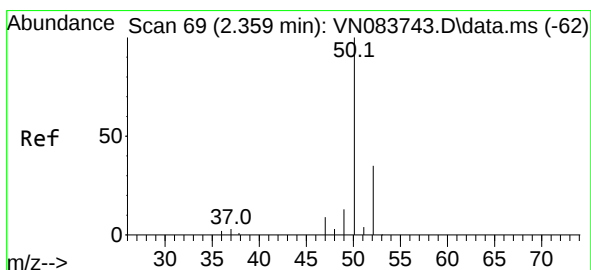
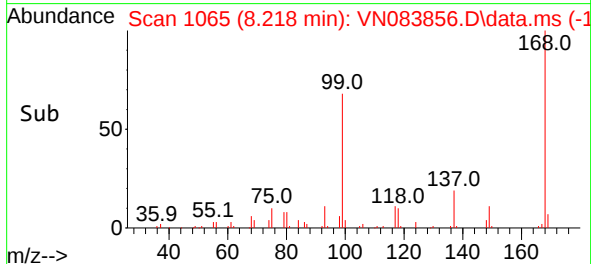
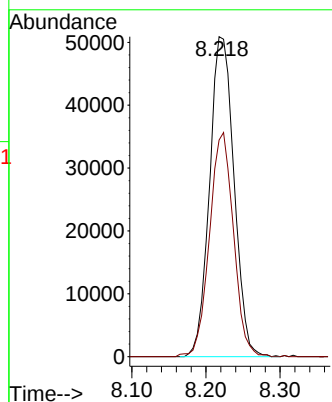
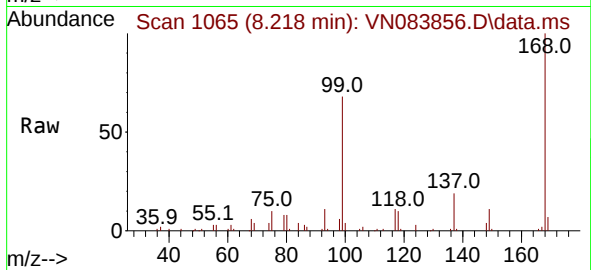
ClientSampleId :

Tgt Ion:168 Resp: 116573

Ion Ratio Lower Upper

168 100

99 67.7 54.2 81.2



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083856.D

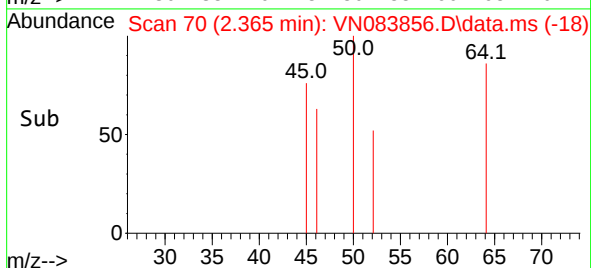
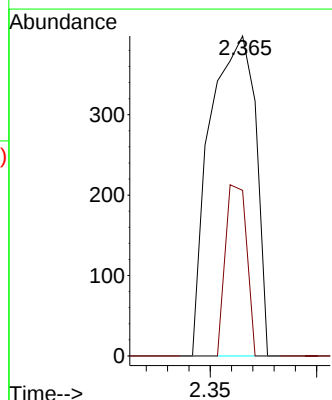
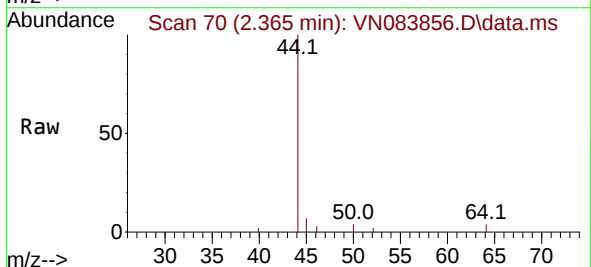
Acq: 13 Sep 2024 06:13

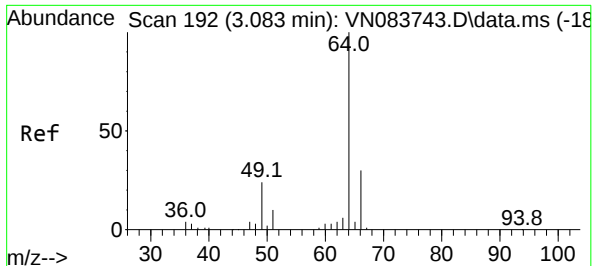
Tgt Ion: 50 Resp: 595

Ion Ratio Lower Upper

50 100

52 51.8 27.2 40.8#

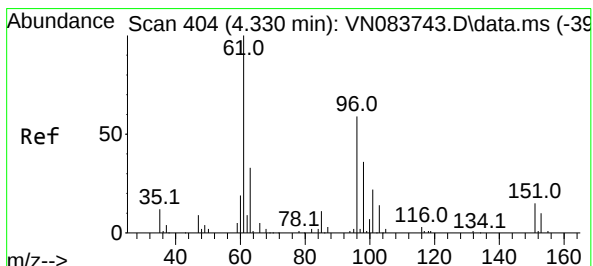
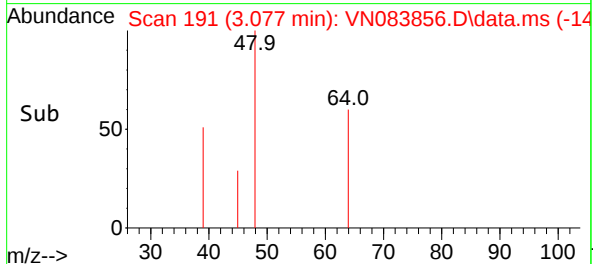
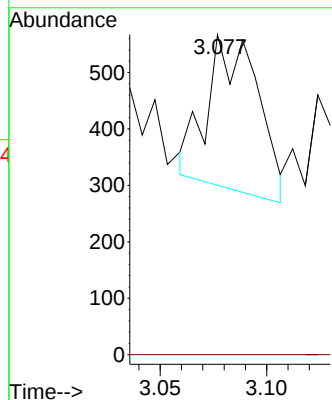
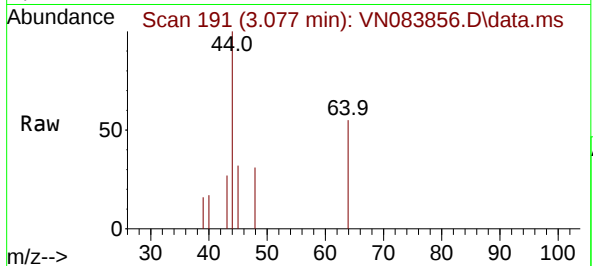




#6
Chloroethane
Concen: 0.430 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.006 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

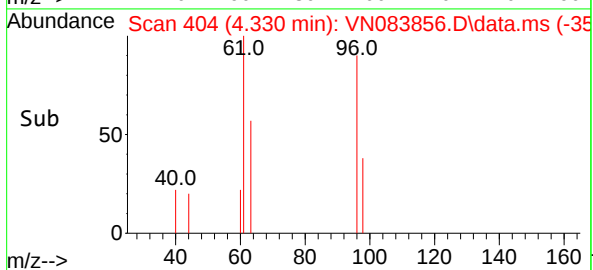
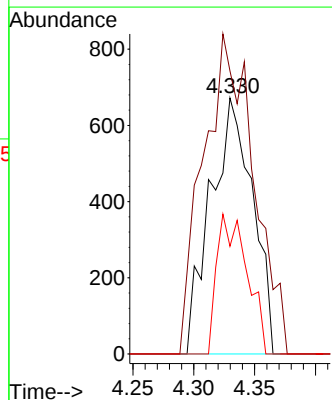
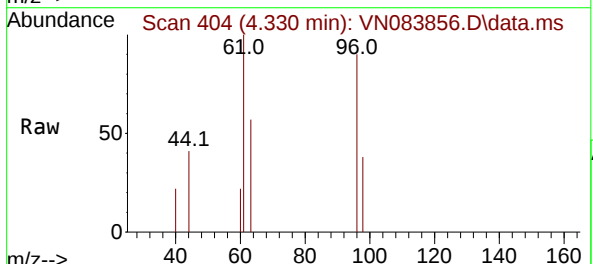
Instrument :
MSVOA_N
ClientSampleId :

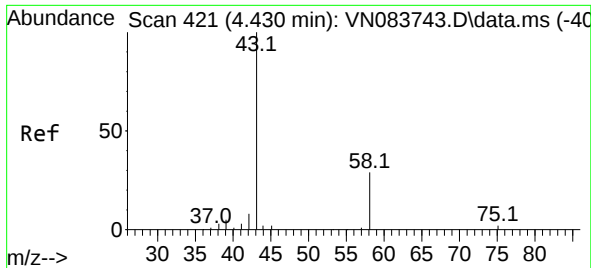
Tgt Ion: 64 Resp: 448
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#12
1,1-Dichloroethene
Concen: 1.280 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Tgt Ion: 96 Resp: 1614
Ion Ratio Lower Upper
96 100
61 110.6 143.4 215.0#
98 42.1 52.7 79.1#





#16

Acetone

Concen: 1.801 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

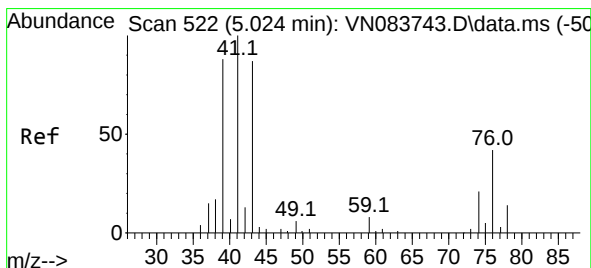
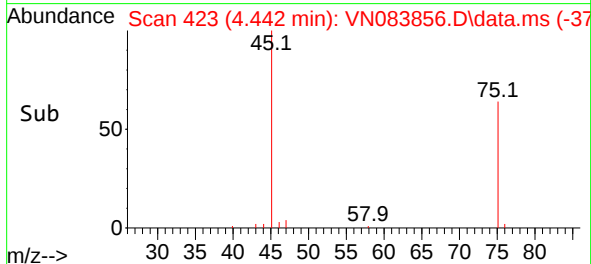
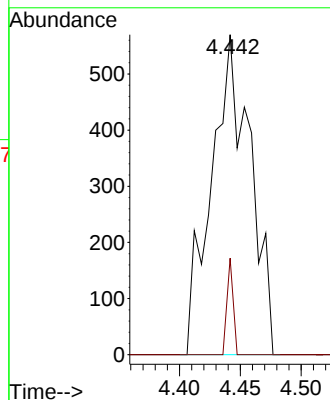
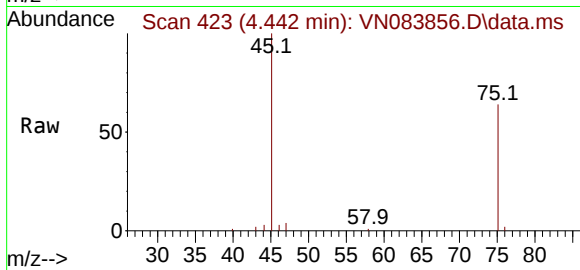
ClientSampleId :

Tgt Ion: 43 Resp: 1269

Ion Ratio Lower Upper

43 100

58 30.2 23.7 35.5



#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN083856.D

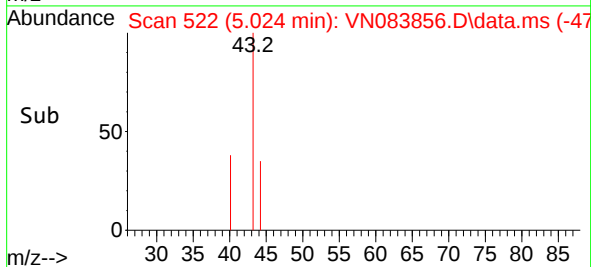
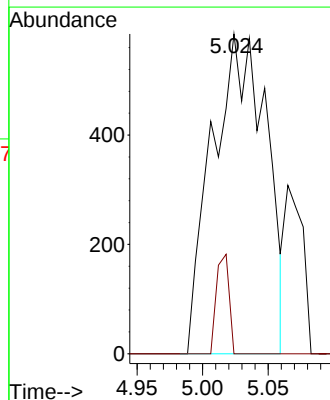
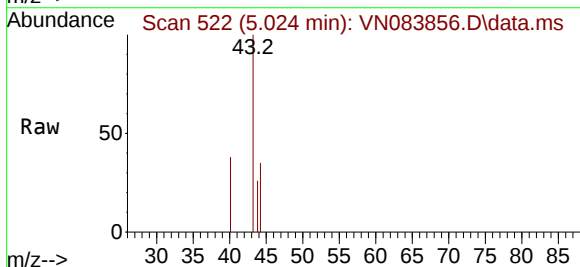
Acq: 13 Sep 2024 06:13

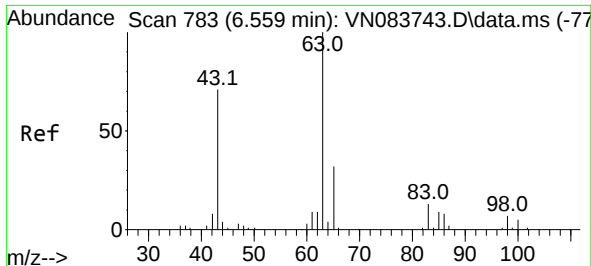
Tgt Ion: 43 Resp: 1674

Ion Ratio Lower Upper

43 100

74 7.2 19.0 28.4#

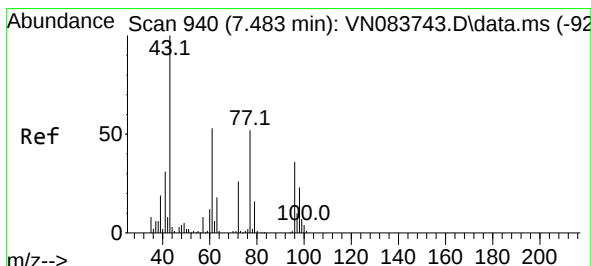
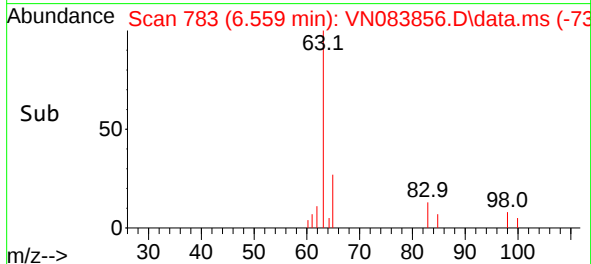
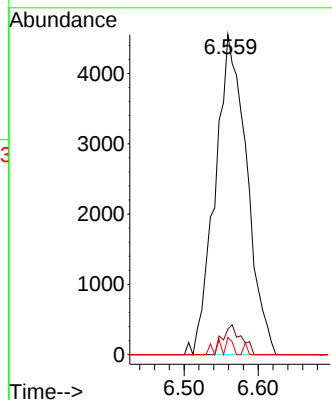
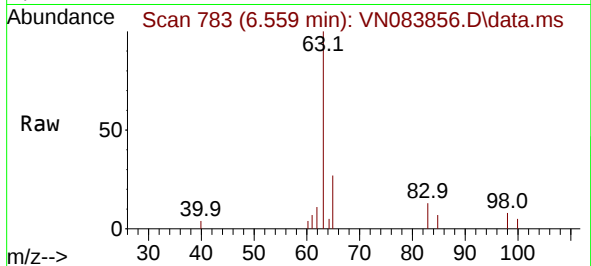




#24
1,1-Dichloroethane
Concen: 5.067 ug/l
RT: 6.559 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

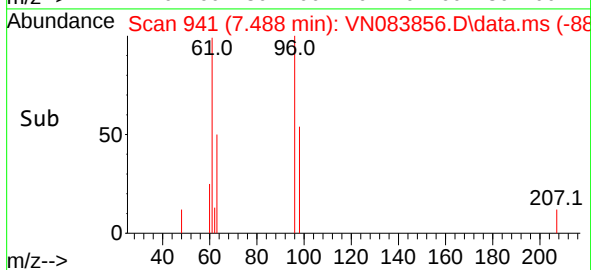
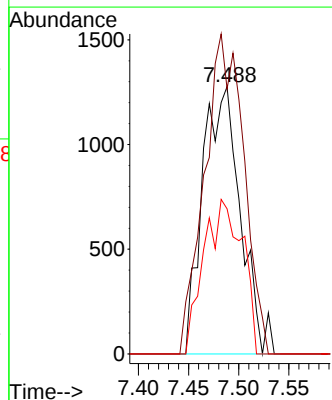
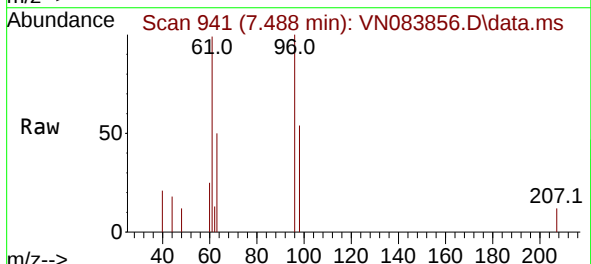
Instrument :
MSVOA_N
ClientSampleId :

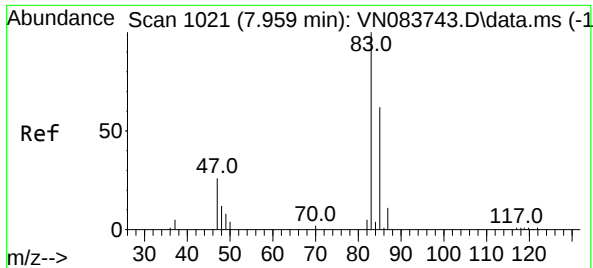
Tgt Ion: 63 Resp: 13502
Ion Ratio Lower Upper
63 100
98 8.0 3.5 10.4
100 5.4 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 2.094 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Tgt Ion: 96 Resp: 3359
Ion Ratio Lower Upper
96 100
61 123.9 0.0 306.2
98 58.8 0.0 128.6

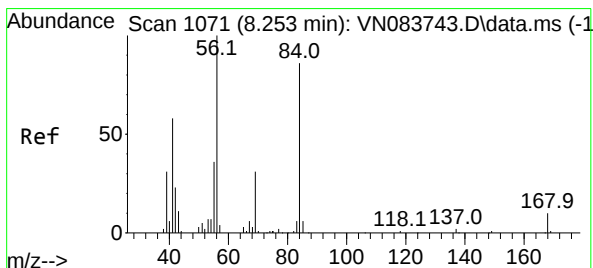
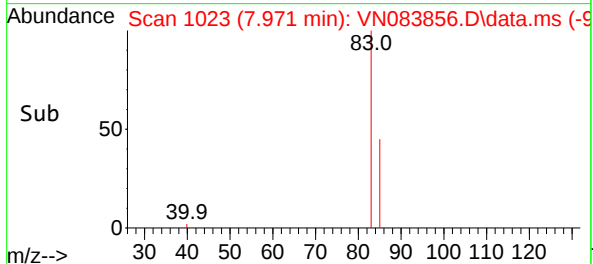
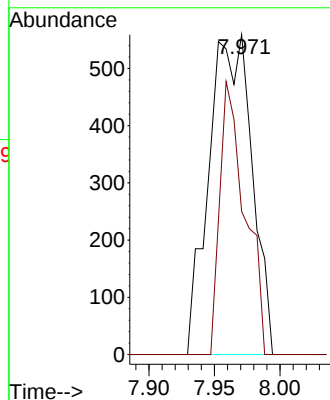
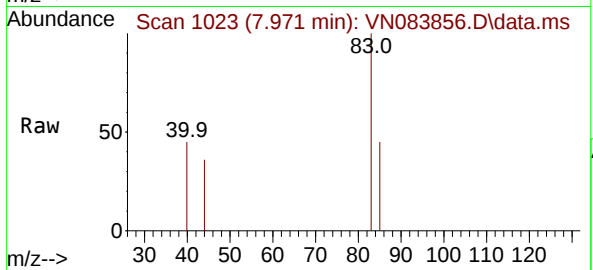




#30
Chloroform
Concen: 0.452 ug/l
RT: 7.971 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

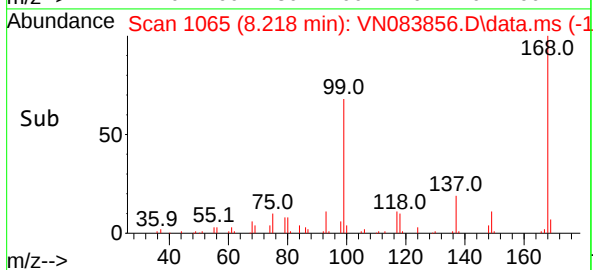
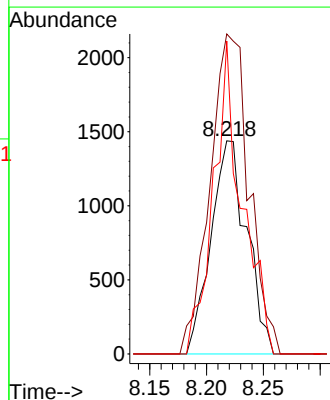
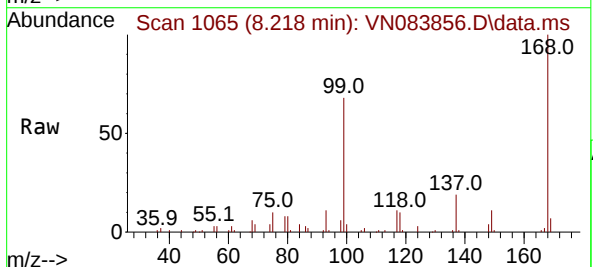
Instrument :
MSVOA_N
ClientSampleId :

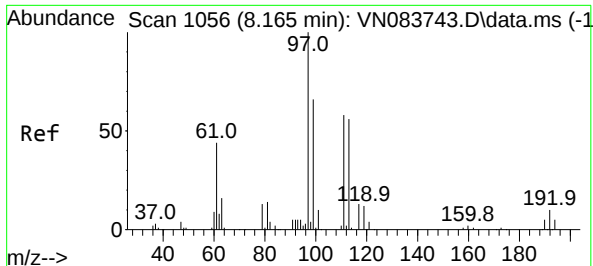
Tgt Ion: 83 Resp: 1279
Ion Ratio Lower Upper
83 100
85 44.7 52.8 79.2#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Tgt Ion: 56 Resp: 3150
Ion Ratio Lower Upper
56 100
69 150.1 26.9 40.3#
84 146.8 69.2 103.8#





#32

1,1,1-Trichloroethane

Concen: 0.284 ug/l

RT: 8.171 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

ClientSampleId :

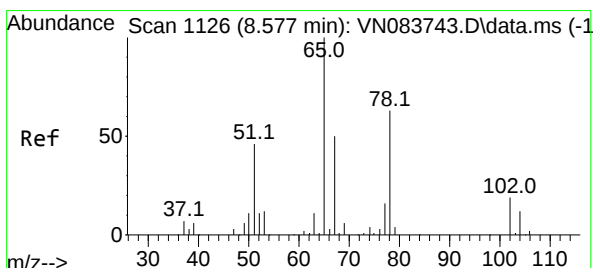
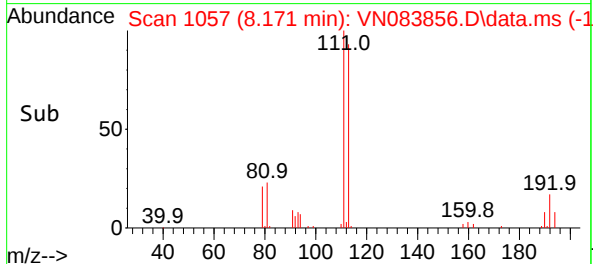
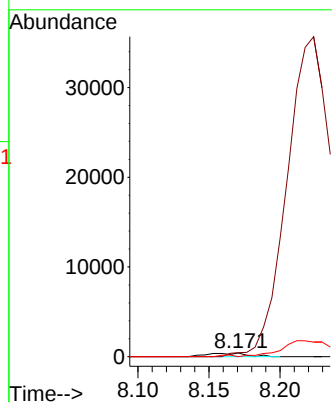
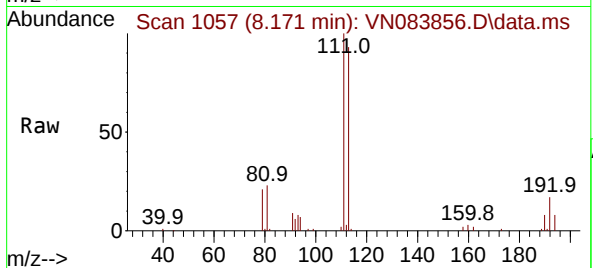
Tgt Ion: 97 Resp: 739

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 0.0 38.2 57.2#



#33

1,2-Dichloroethane-d4

Concen: 53.798 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083856.D

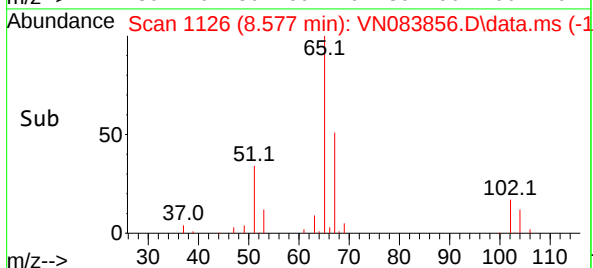
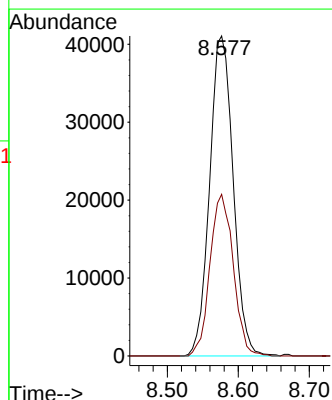
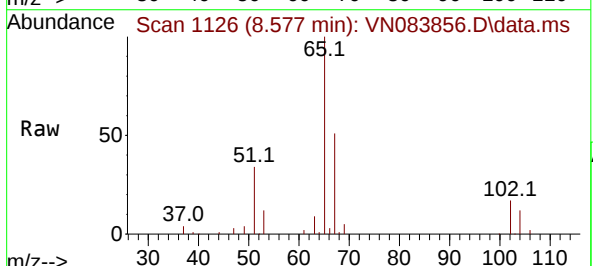
Acq: 13 Sep 2024 06:13

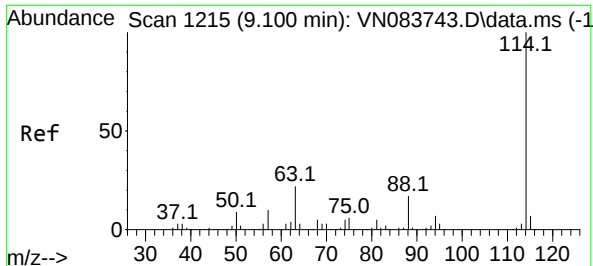
Tgt Ion: 65 Resp: 94563

Ion Ratio Lower Upper

65 100

67 50.0 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: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

ClientSampleId :

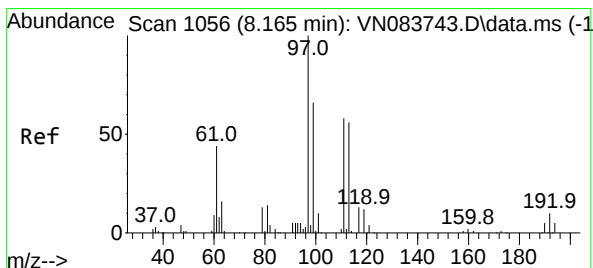
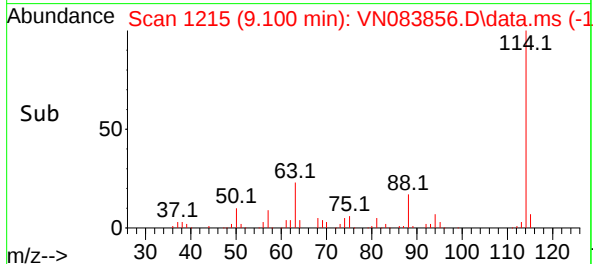
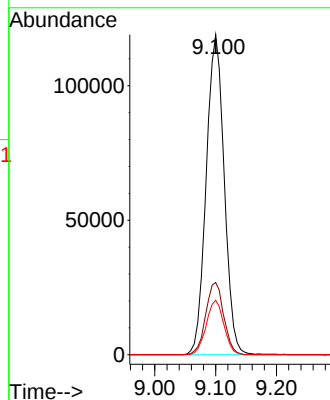
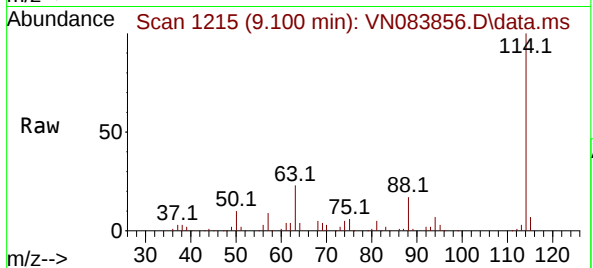
Tgt Ion:114 Resp: 244415

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.4

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.044 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

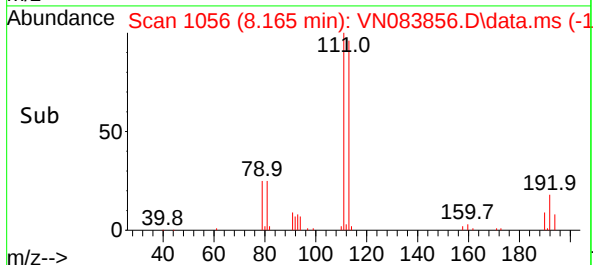
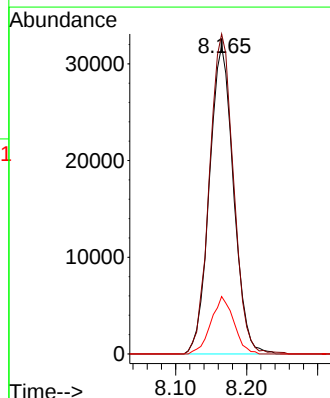
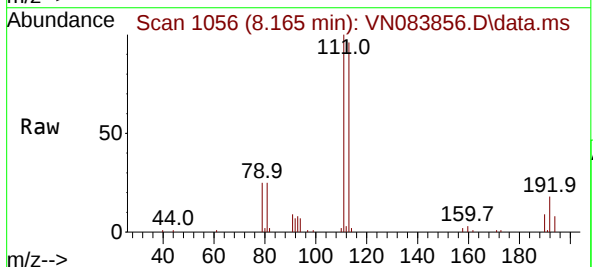
Tgt Ion:113 Resp: 75175

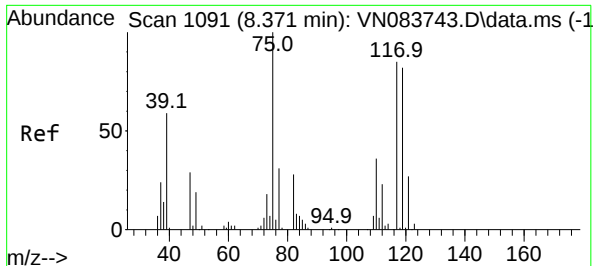
Ion Ratio Lower Upper

113 100

111 103.9 82.6 124.0

192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.575 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

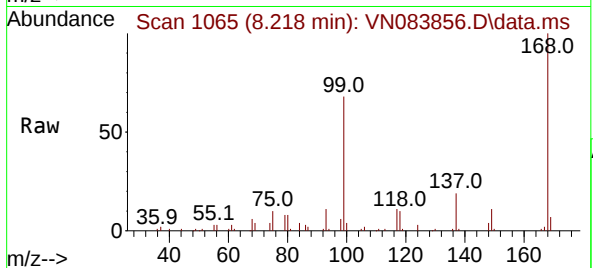
Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

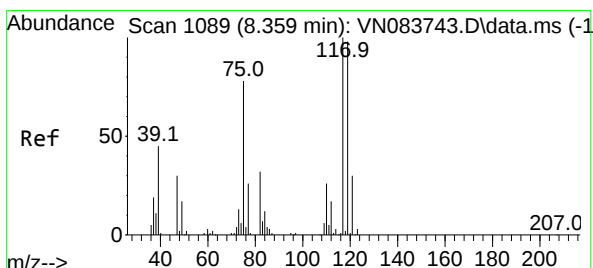
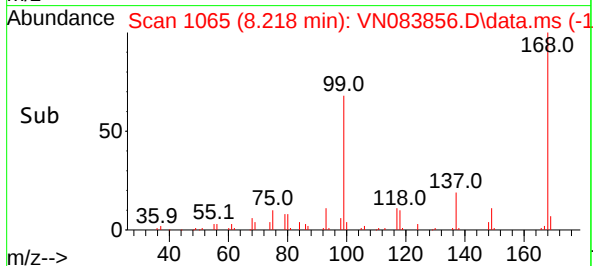
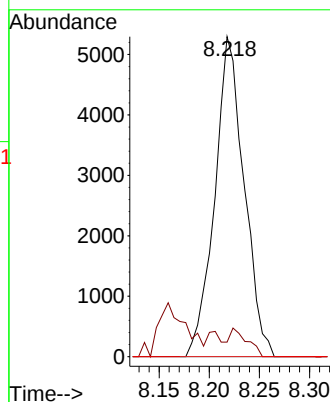
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10774
Ion Ratio	Lower Upper
75	100
110	5.0 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

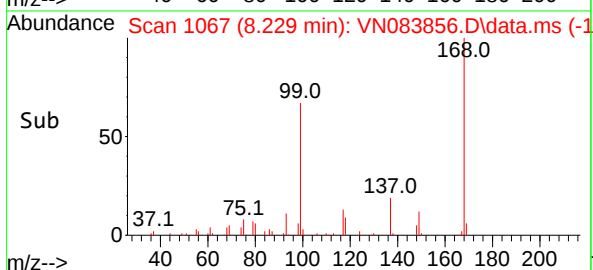
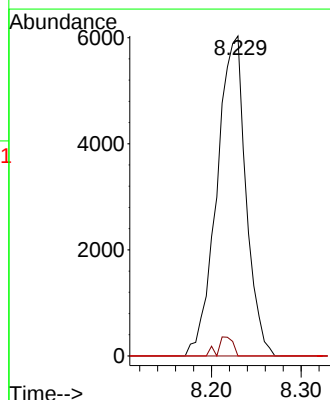
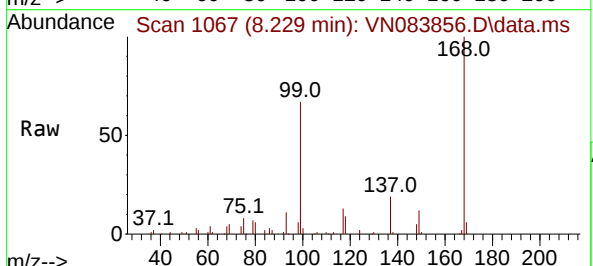
RT: 8.229 min Scan# 1067

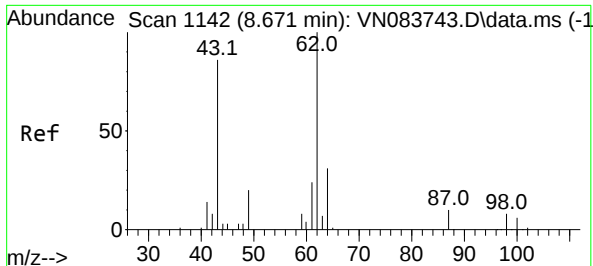
Delta R.T. -0.130 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

Tgt Ion: 117	Resp: 13549
Ion Ratio	Lower Upper
117	100
119	0.0 76.1 114.1#
121	0.0 24.1 36.1#

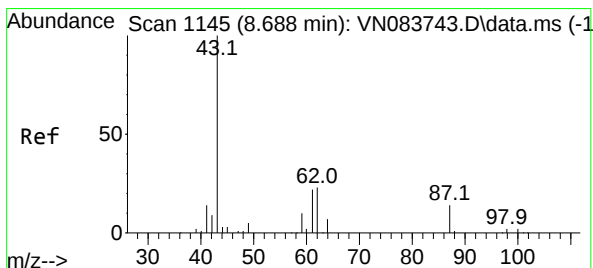
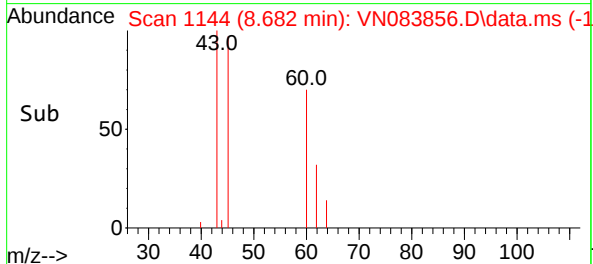
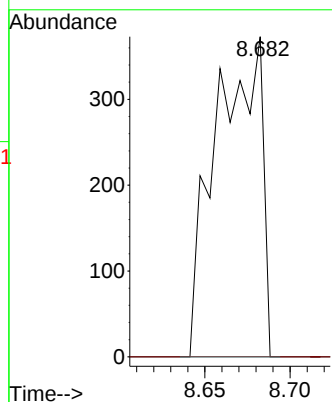
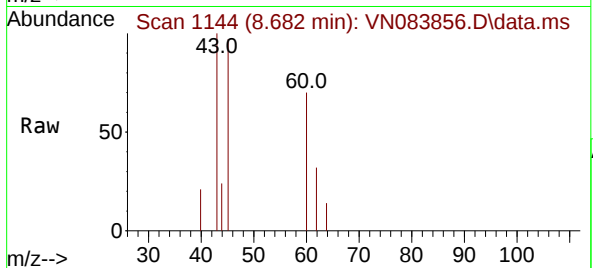




#42
1,2-Dichloroethane
Concen: 0.264 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

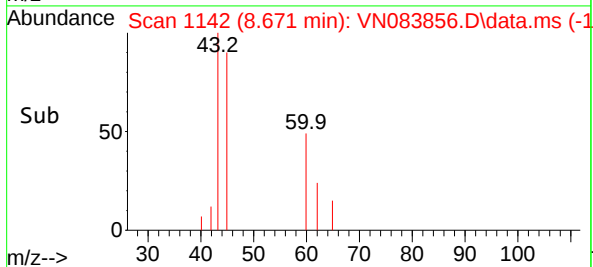
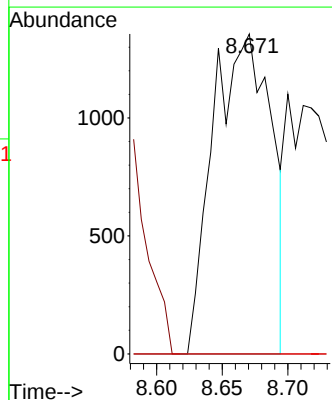
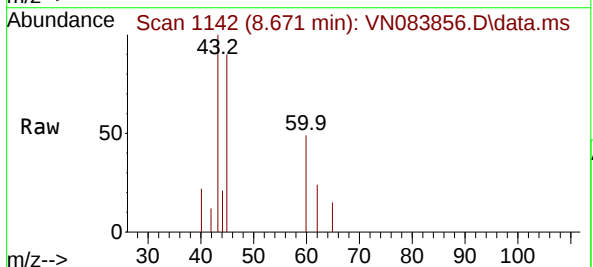
Instrument :
MSVOA_N
ClientSampleId :

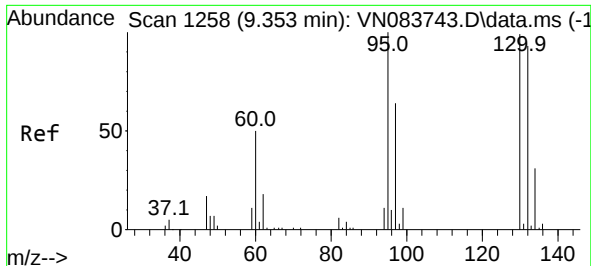
Tgt Ion: 62 Resp: 700
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 1.082 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.018 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Tgt Ion: 43 Resp: 4193
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

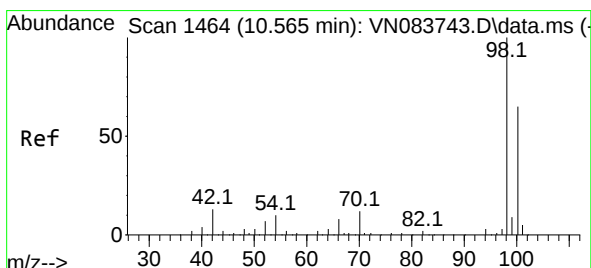
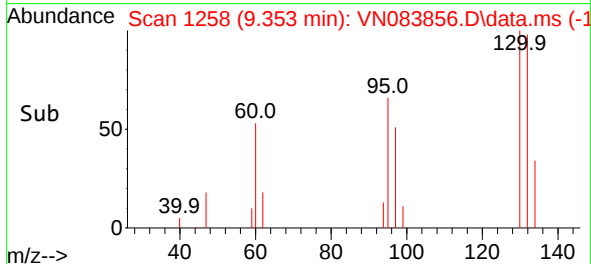
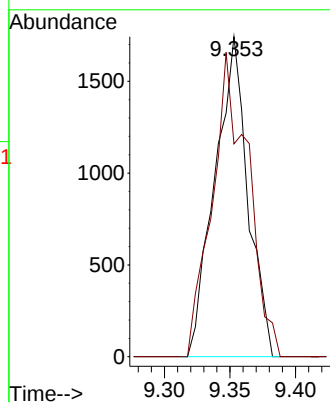
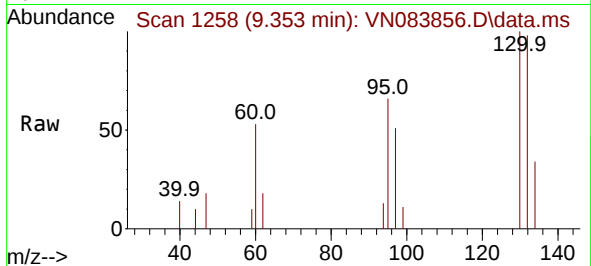




#44
Trichloroethene
Concen: 1.858 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

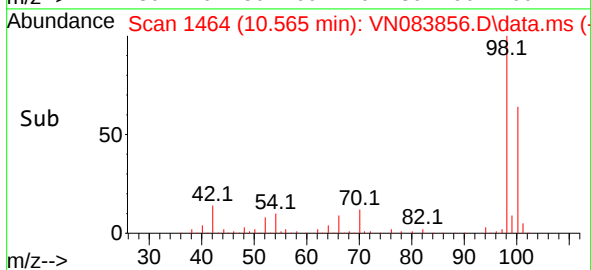
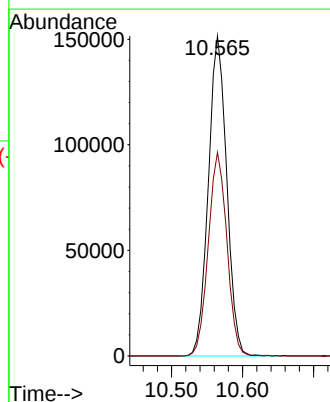
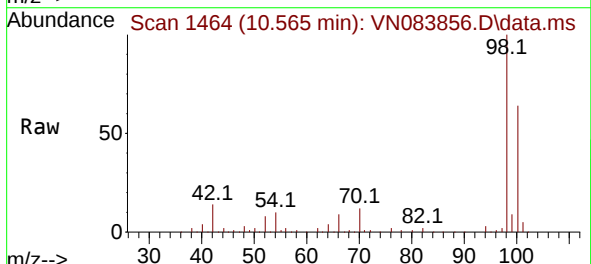
Instrument :
MSVOA_N
ClientSampleId :

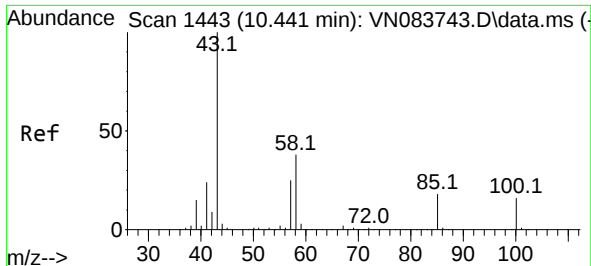
Tgt Ion:130 Resp: 3050
Ion Ratio Lower Upper
130 100
95 66.5 0.0 200.4



#50
Toluene-d8
Concen: 50.349 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Tgt Ion: 98 Resp: 272355
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.592 ug/l

RT: 10.565 min Scan# 1443

Delta R.T. 0.123 min

Lab File: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

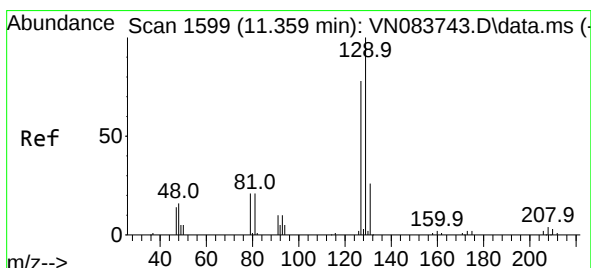
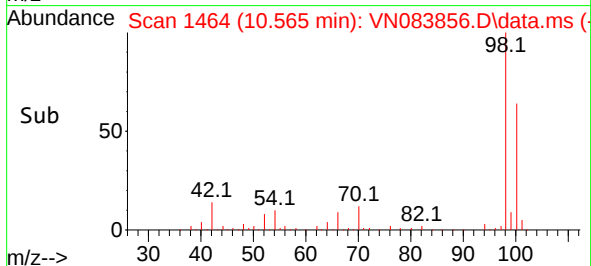
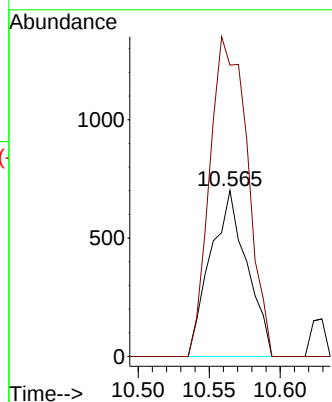
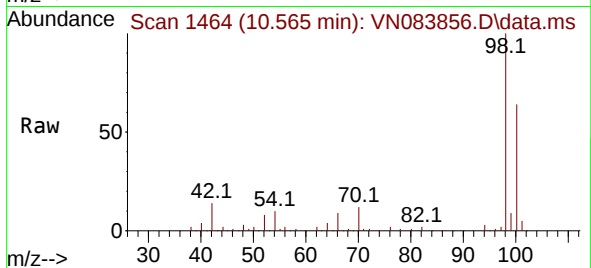
ClientSampleId :

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 199.8 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.479 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN083856.D

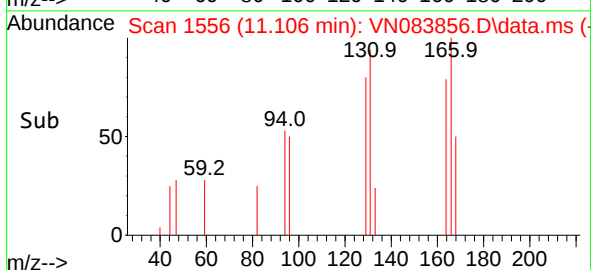
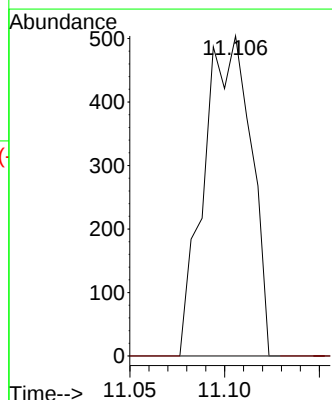
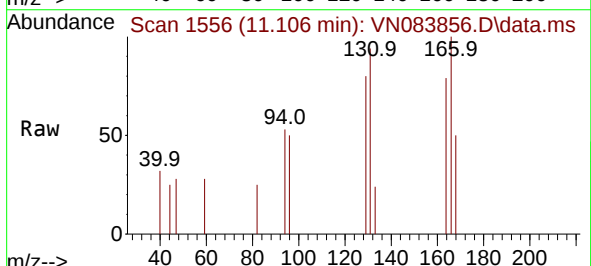
Acq: 13 Sep 2024 06:13

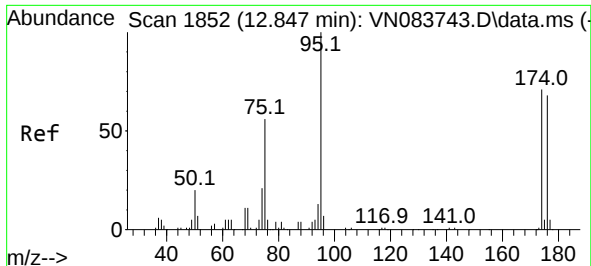
Tgt Ion: 129 Resp: 867

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

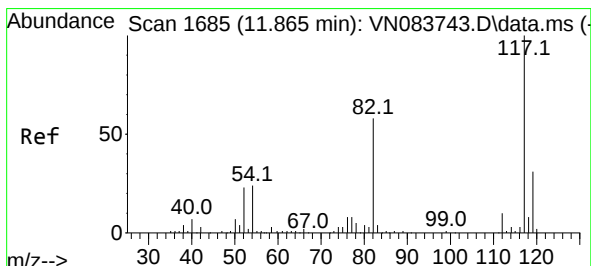
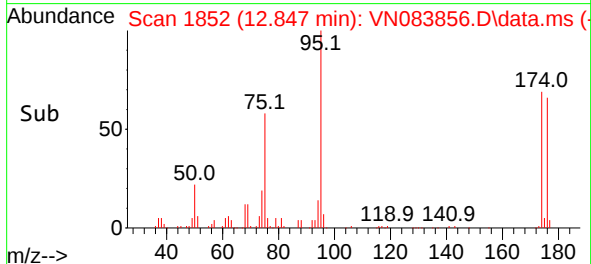
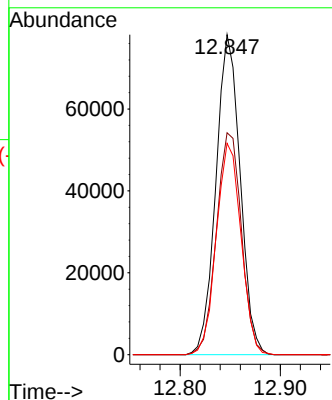
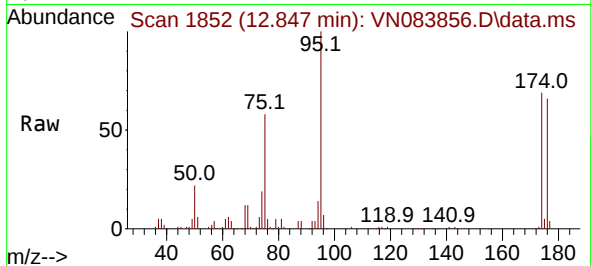




#62
4-Bromofluorobenzene
Concen: 58.787 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

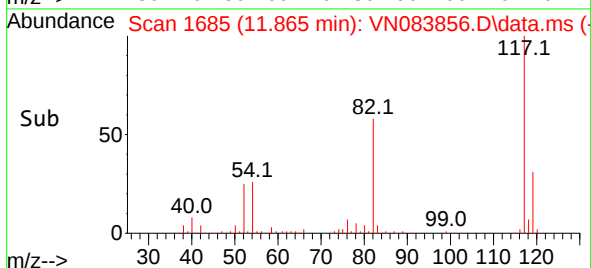
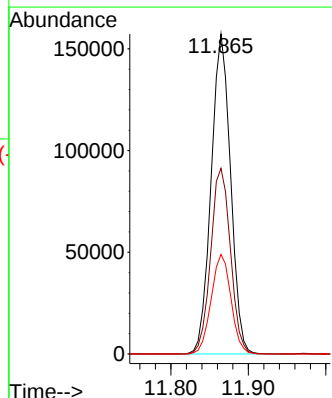
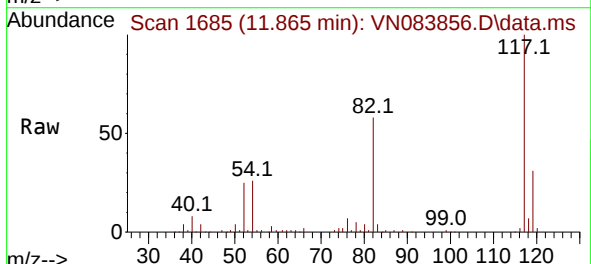
Instrument :
MSVOA_N
ClientSampleId :

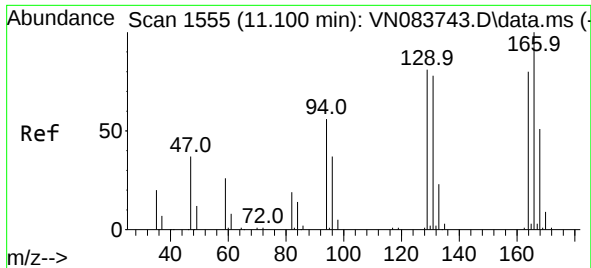
Tgt Ion: 95 Resp: 131197
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 67.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

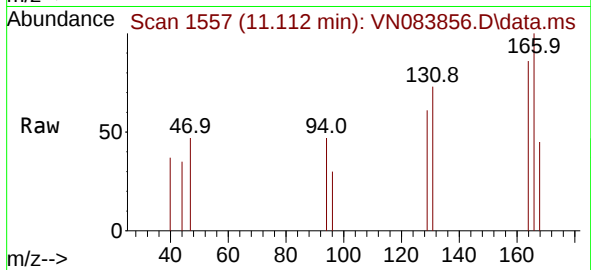
Tgt Ion: 117 Resp: 273647
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.0
119 31.1 26.3 39.5



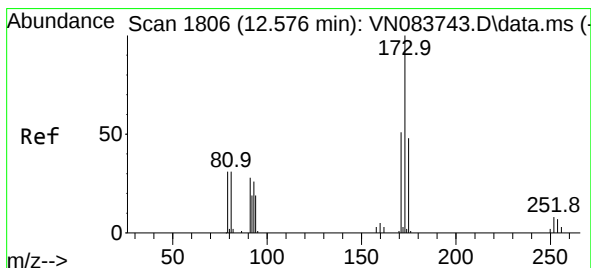
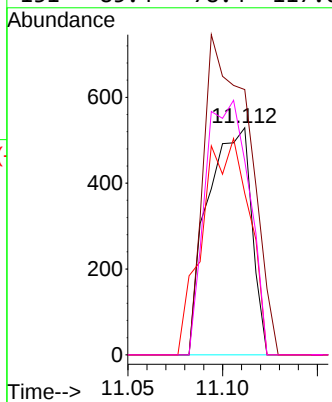
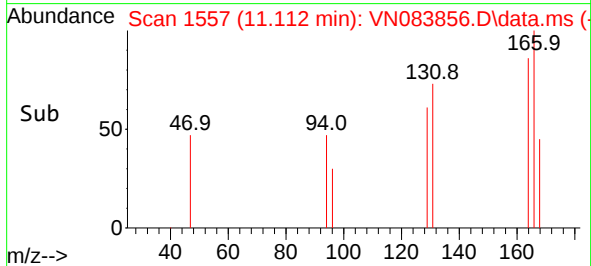


#64
Tetrachloroethene
Concen: 0.465 ug/l
RT: 11.112 min Scan# 1112
Delta R.T. 0.012 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

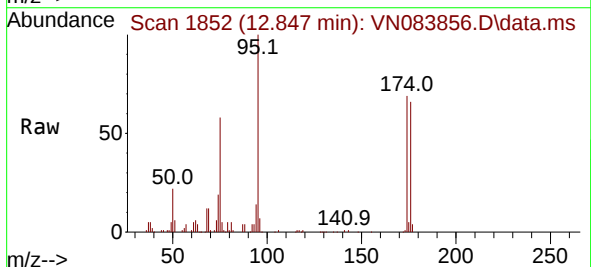
Instrument :
MSVOA_N
ClientSampleId :



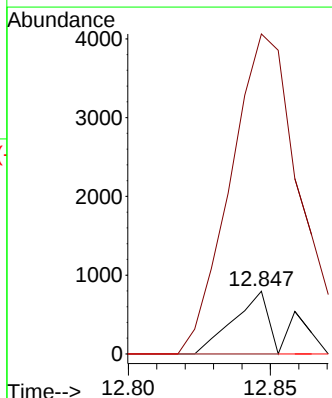
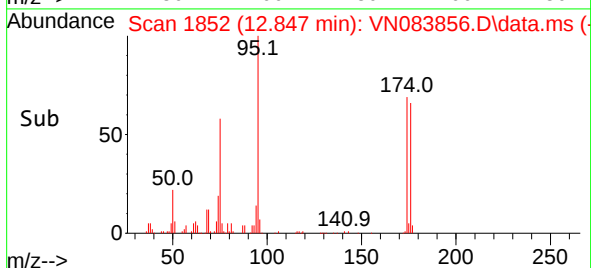
Tgt Ion:164 Resp: 847
Ion Ratio Lower Upper
164 100
166 116.8 103.7 155.5
129 71.1 79.9 119.9#
131 85.4 78.4 117.6

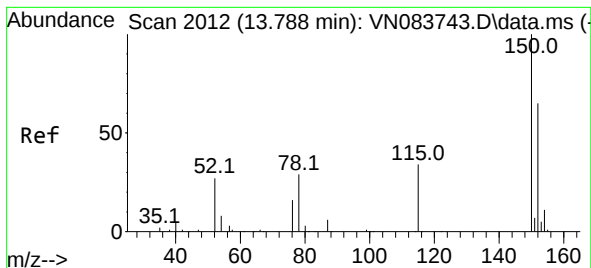


#71
Bromoform
Concen: 0.476 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13



Tgt Ion:173 Resp: 676
Ion Ratio Lower Upper
173 100
175 764.3 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: VN083856.D

Acq: 13 Sep 2024 06:13

Instrument :

MSVOA_N

ClientSampleId :

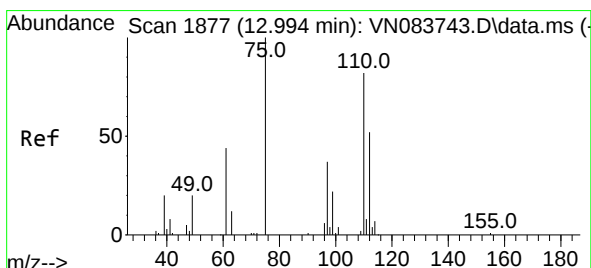
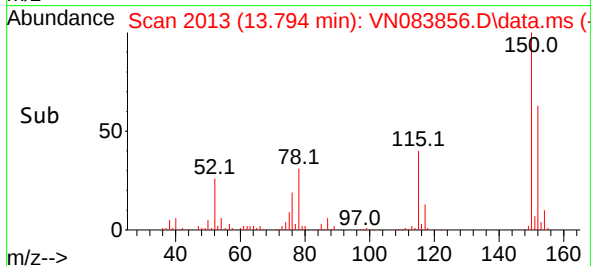
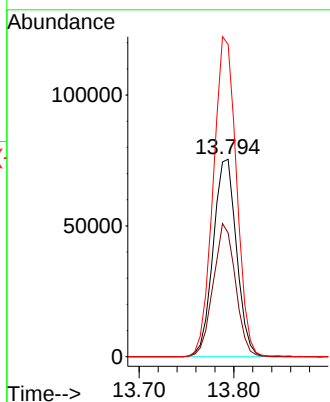
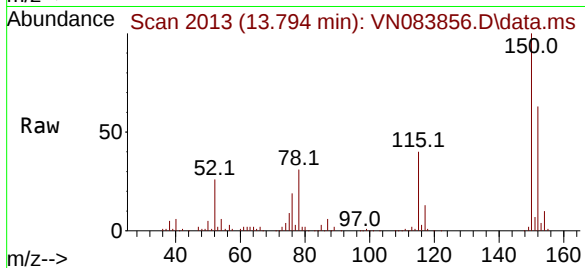
Tgt Ion:152 Resp: 129302

Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

150 161.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.287 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083856.D

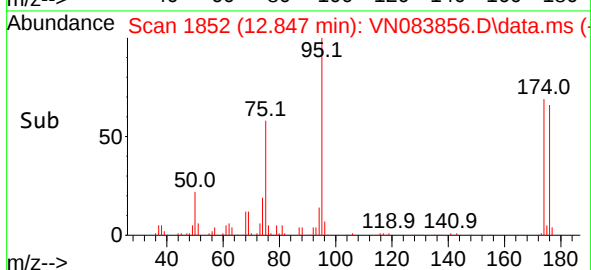
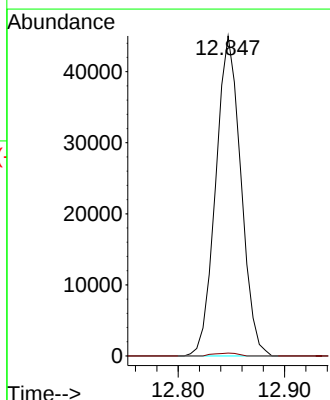
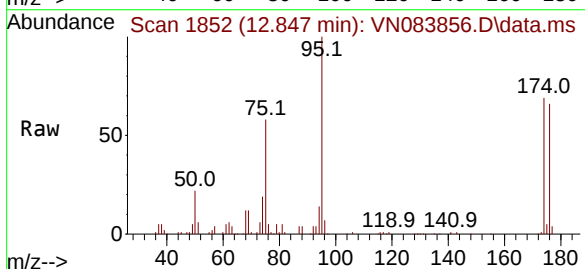
Acq: 13 Sep 2024 06:13

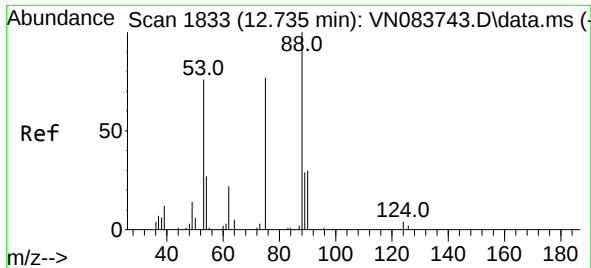
Tgt Ion: 75 Resp: 73802

Ion Ratio Lower Upper

75 100

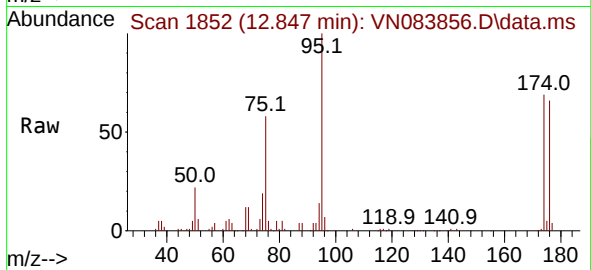
77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.085 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083856.D
Acq: 13 Sep 2024 06:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 73802
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

