

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083981.D
 Acq On : 18 Sep 2024 14:39
 Operator : JC\MD
 Sample : P4085-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:33:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

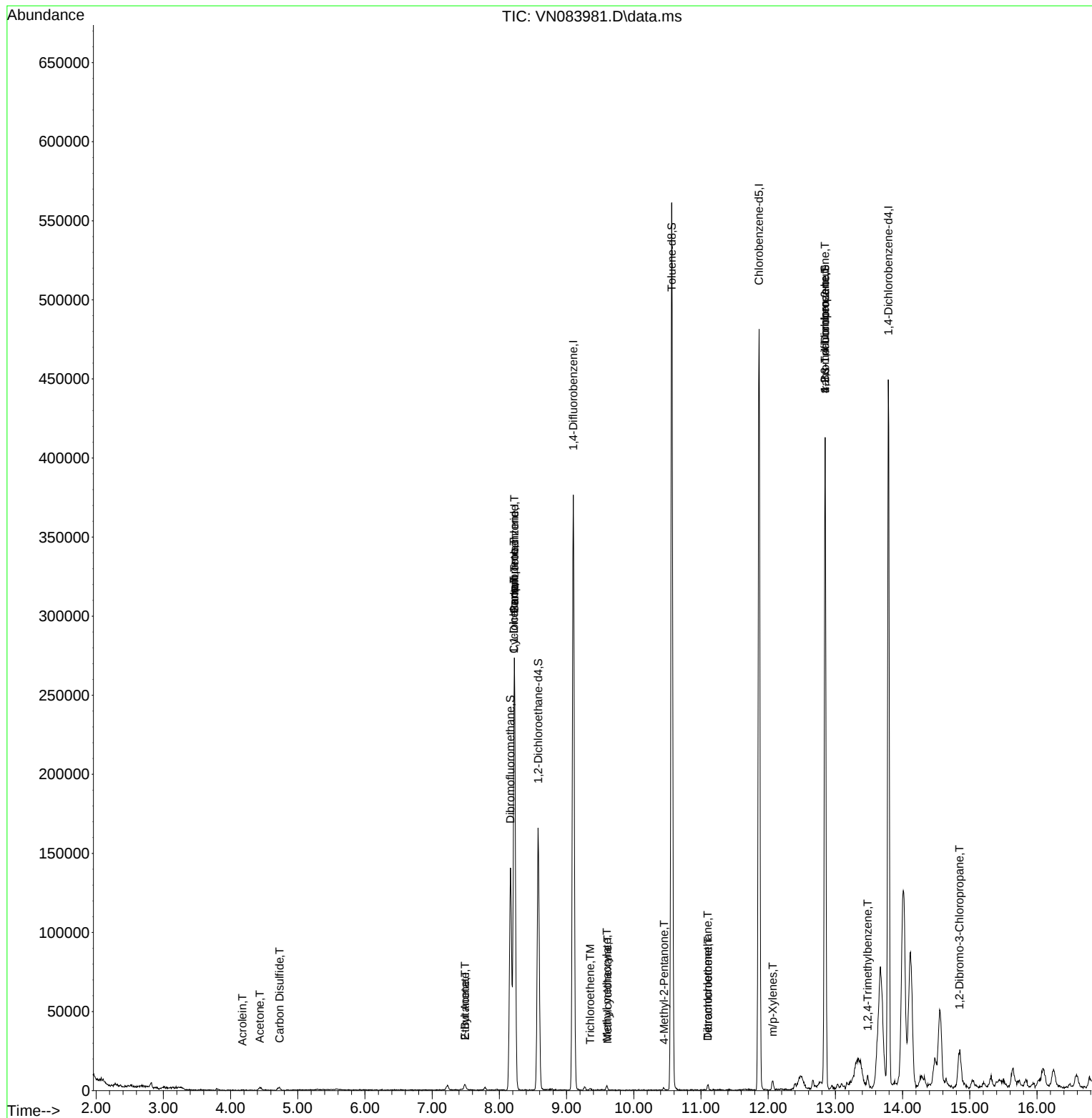
Internal Standards						
1) Pentafluorobenzene	8.224	168	182482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136366	49.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.120%		
35) Dibromofluoromethane	8.165	113	96484	49.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.340%		
50) Toluene-d8	10.565	98	363994	53.655	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.320%		
62) 4-Bromofluorobenzene	12.847	95	139458	49.826	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.660%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	962	Below Cal		89
13) Acrolein	4.177	56	117	0.322 ug/l #		13
16) Acetone	4.436	43	3725	3.377 ug/l #		83
17) Carbon Disulfide	4.730	76	1639	0.297 ug/l #		75
18) Methyl Acetate	4.753	43	53	Below Cal #		52
25) 2-Butanone	7.488	43	5981	4.125 ug/l #		86
31) Cyclohexane	8.218	56	5415	1.362 ug/l #		44
36) 1,1-Dichloropropene	8.218	75	16549	5.603 ug/l #		52
37) Ethyl Acetate	7.488	43	5981	2.231 ug/l #		74
38) Carbon Tetrachloride	8.224	117	21502	6.417 ug/l #		15
39) Methylcyclohexane	9.612	83	1265	0.376 ug/l #		73
44) Trichloroethene	9.353	130	424	0.206 ug/l		52
48) Methyl methacrylate	9.600	41	734	0.318 ug/l #		35
51) 4-Methyl-2-Pentanone	10.453	43	952	0.360 ug/l		97
60) Dibromochloromethane	11.100	129	1002	0.441 ug/l #		10
64) Tetrachloroethene	11.106	164	668	0.385 ug/l #		69
68) m/p-Xylenes	12.070	106	1928	0.504 ug/l		84
76) 1,2,3-Trichloropropane	12.847	75	78178	34.535 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.847	75	78178	90.450 ug/l #		9
84) 1,2,4-Trimethylbenzene	13.482	105	4304	0.586 ug/l		85
92) 1,2-Dibromo-3-Chloropr...	14.847	75	803	1.580 ug/l #		1

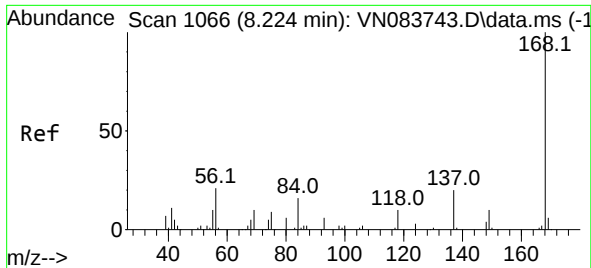
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

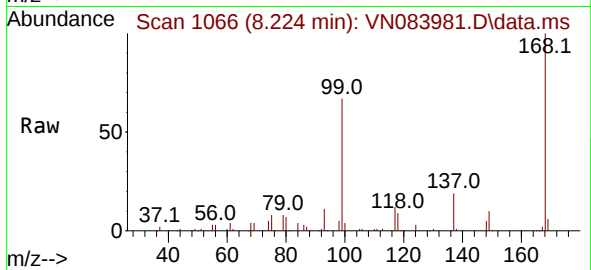
Quant Time: Sep 19 01:33:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



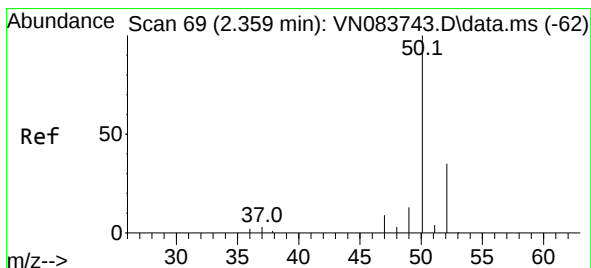
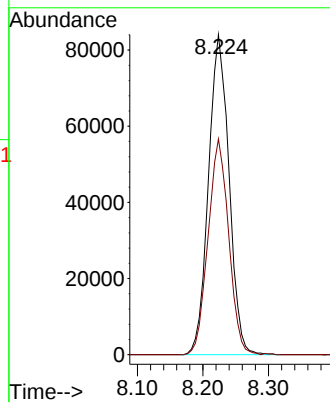
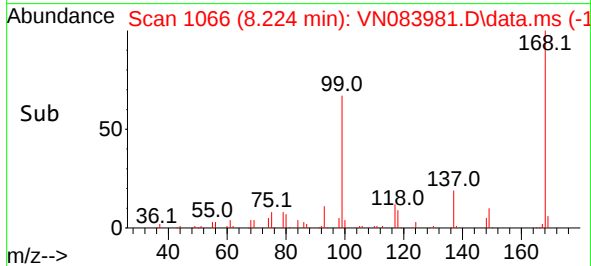


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Instrument :
MSVOA_N
ClientSampleId :

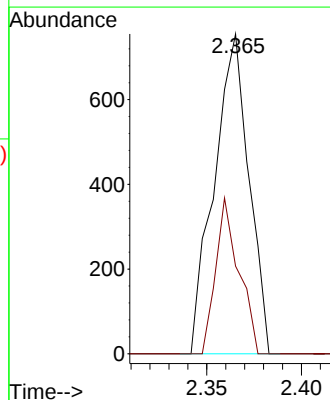
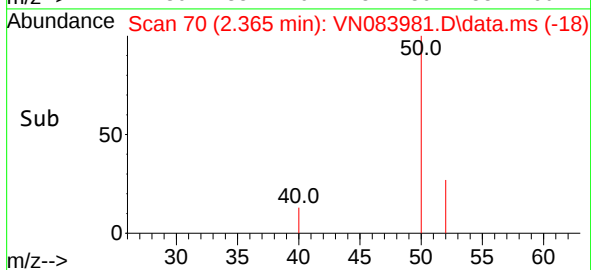
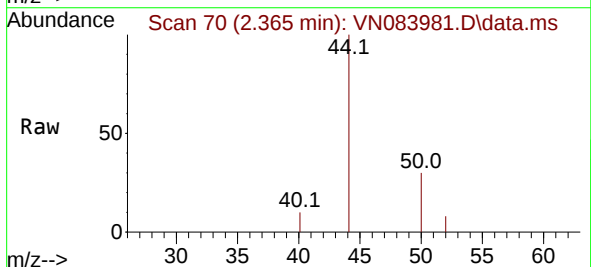


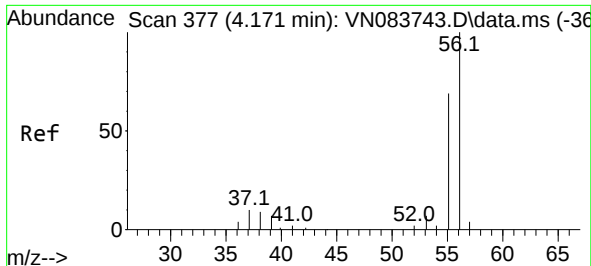
Tgt Ion:168 Resp: 182482
Ion Ratio Lower Upper
168 100
99 67.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

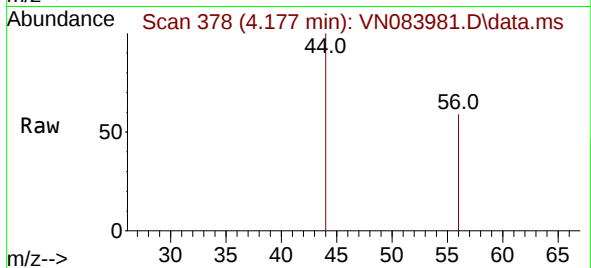
Tgt Ion: 50 Resp: 962
Ion Ratio Lower Upper
50 100
52 27.4 27.2 40.8



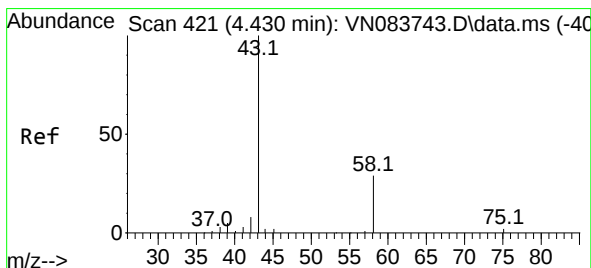
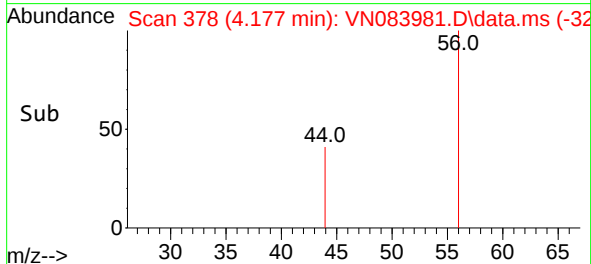
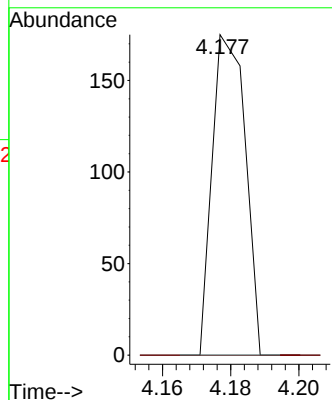


#13
Acrolein
Concen: 0.322 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Instrument :
MSVOA_N
ClientSampleId :

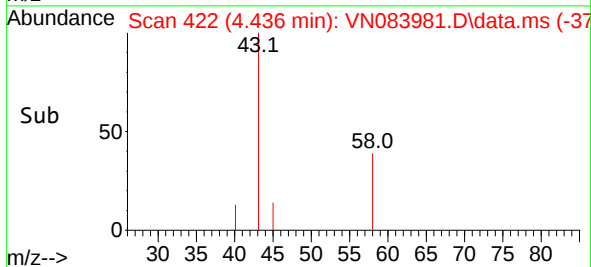
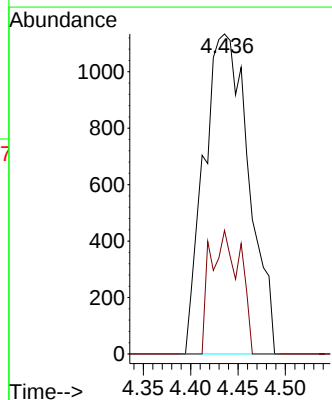
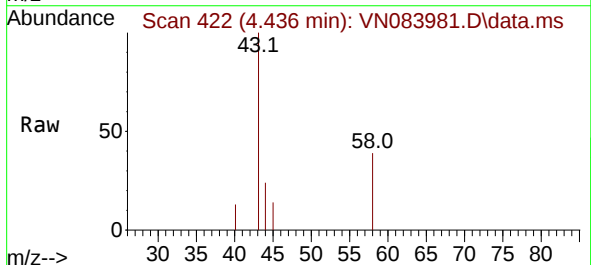


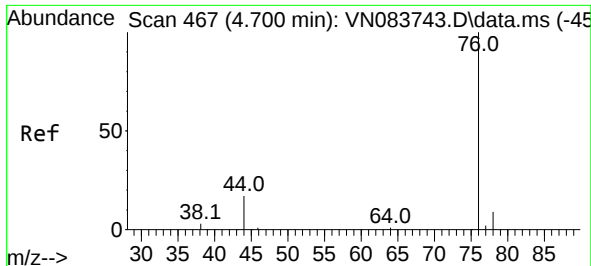
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 3.377 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Tgt Ion: 43 Resp: 3725
Ion Ratio Lower Upper
43 100
58 38.6 23.7 35.5#





#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 4.730 min Scan# 41

Delta R.T. 0.029 min

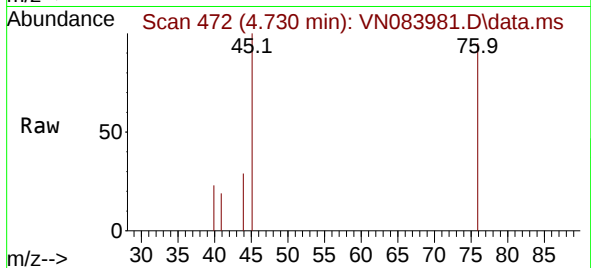
Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

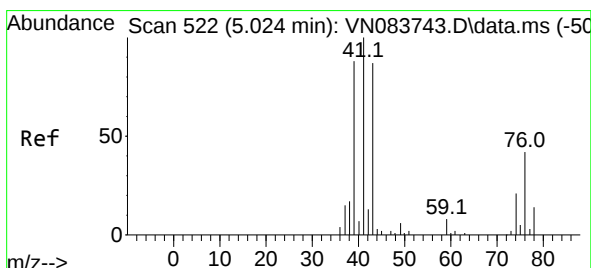
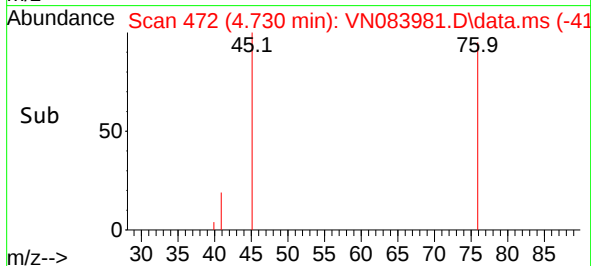
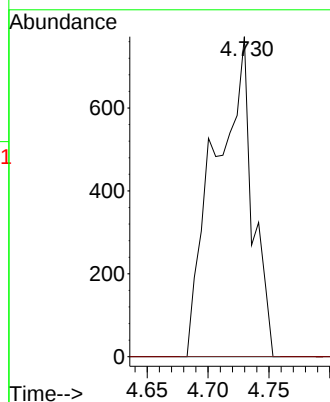


Tgt Ion: 76 Resp: 1639

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.753 min Scan# 476

Delta R.T. -0.271 min

Lab File: VN083981.D

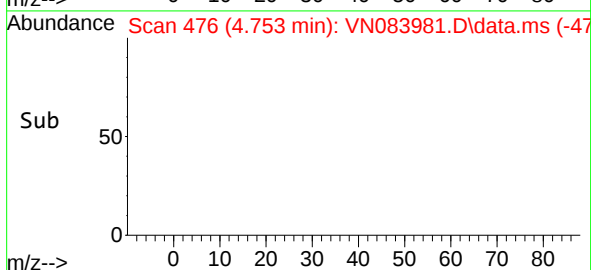
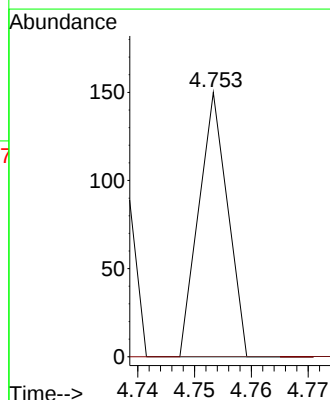
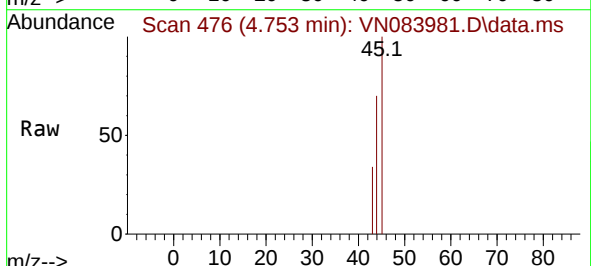
Acq: 18 Sep 2024 14:39

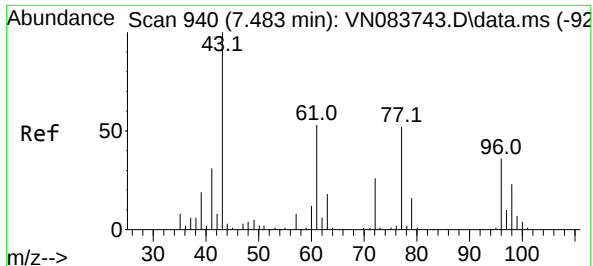
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#





#25

2-Butanone

Concen: 4.125 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

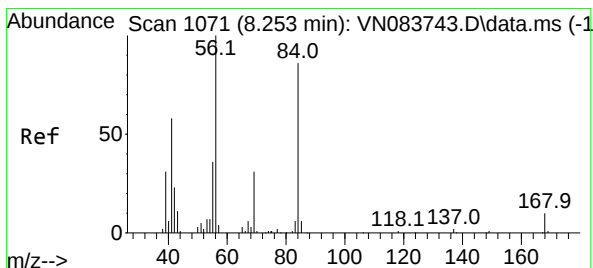
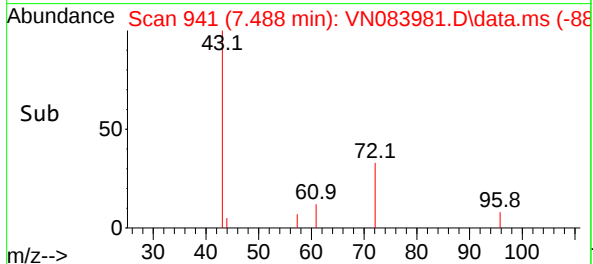
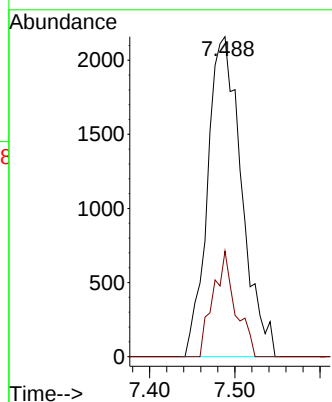
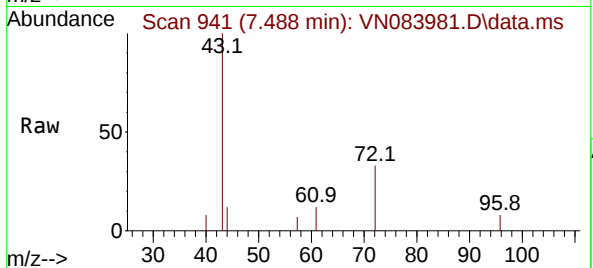
ClientSampleId :

Tgt Ion: 43 Resp: 5981

Ion Ratio Lower Upper

43 100

72 33.0 20.8 31.2#



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

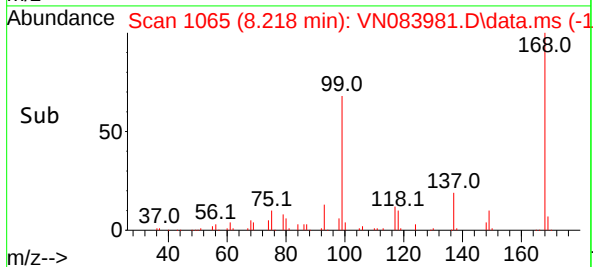
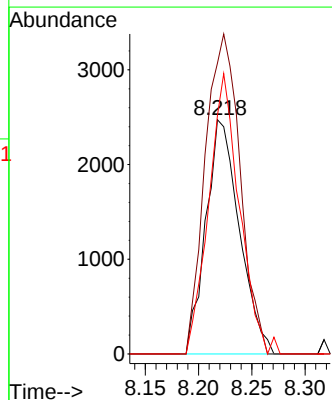
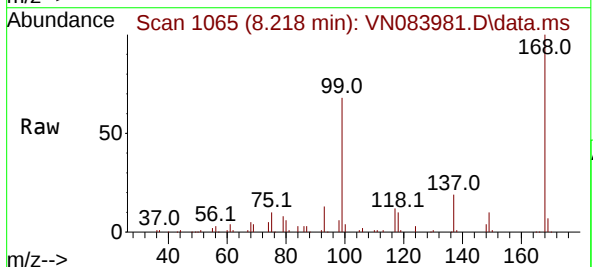
Tgt Ion: 56 Resp: 5415

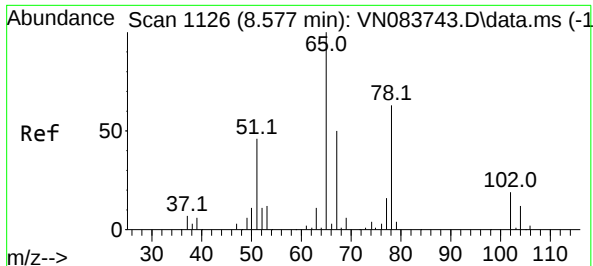
Ion Ratio Lower Upper

56 100

69 124.1 26.9 40.3#

84 101.9 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 49.559 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

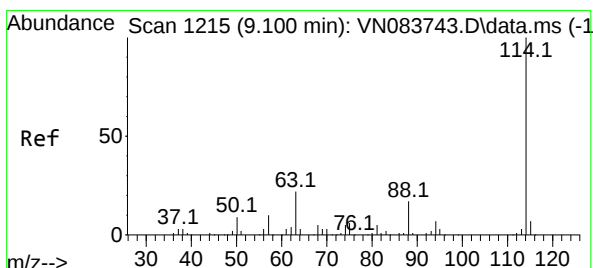
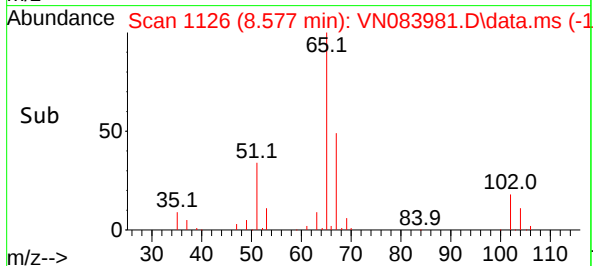
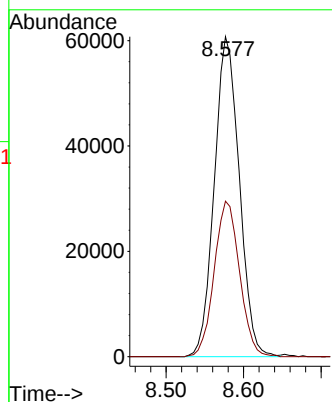
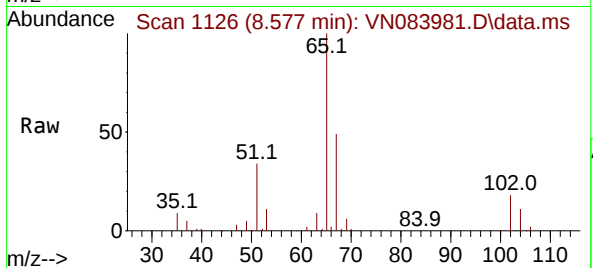
ClientSampleId :

Tgt Ion: 65 Resp: 136366

Ion Ratio Lower Upper

65 100

67 49.3 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: VN083981.D

Acq: 18 Sep 2024 14:39

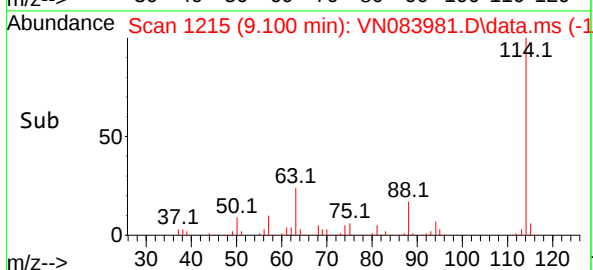
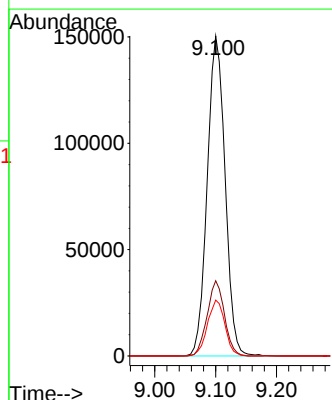
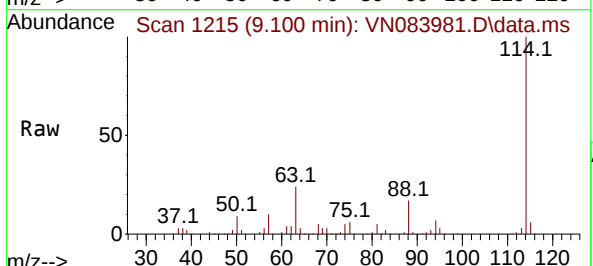
Tgt Ion: 114 Resp: 306528

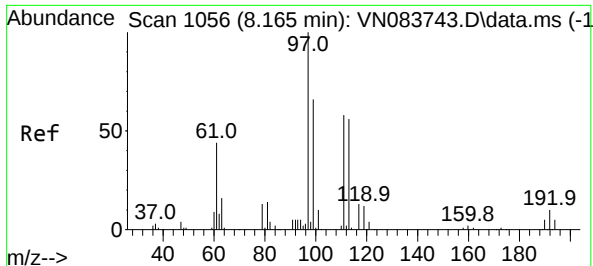
Ion Ratio Lower Upper

114 100

63 23.5 0.0 43.4

88 17.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.168 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

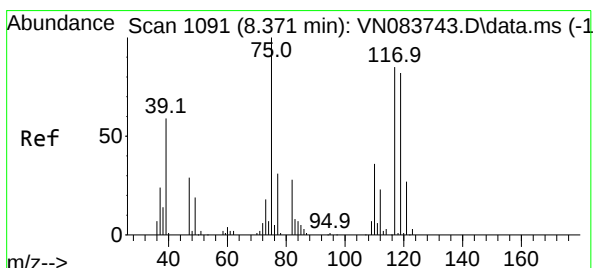
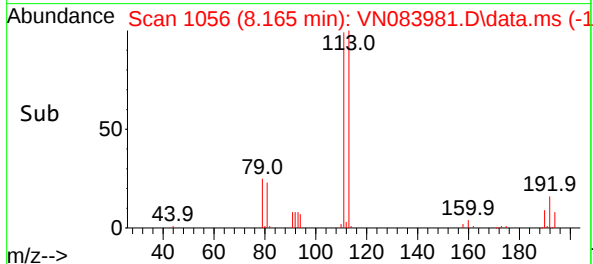
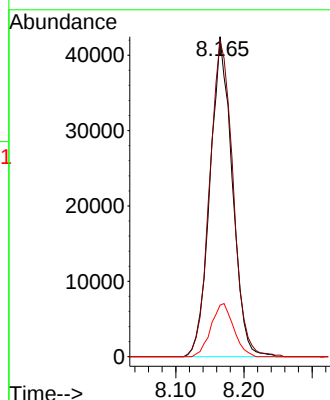
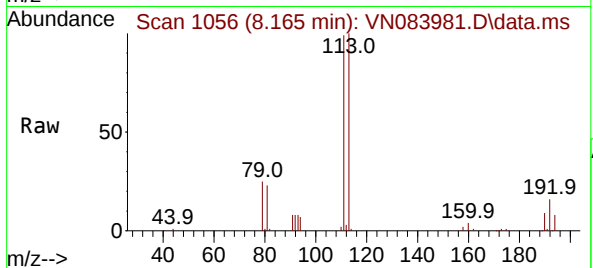
Tgt Ion:113 Resp: 96484

Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 16.9 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.603 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

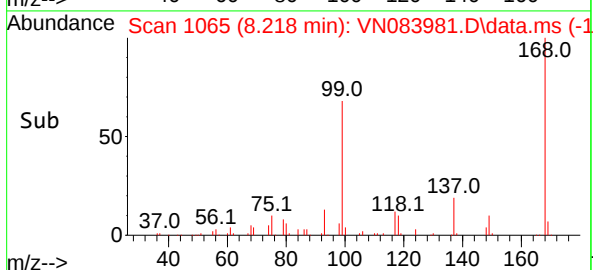
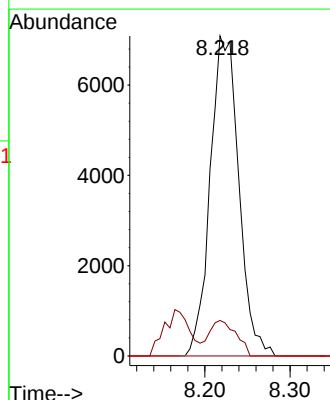
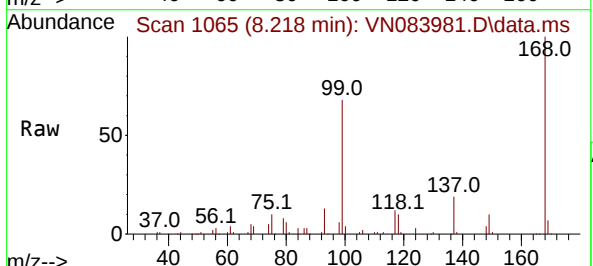
Tgt Ion: 75 Resp: 16549

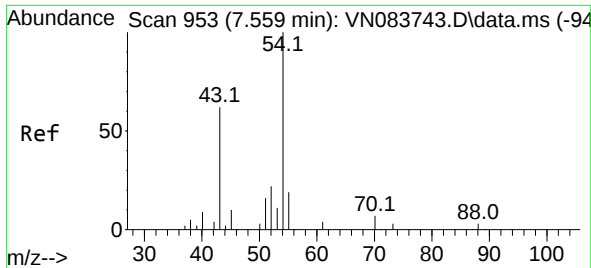
Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.1#

77 0.0 25.2 37.8#

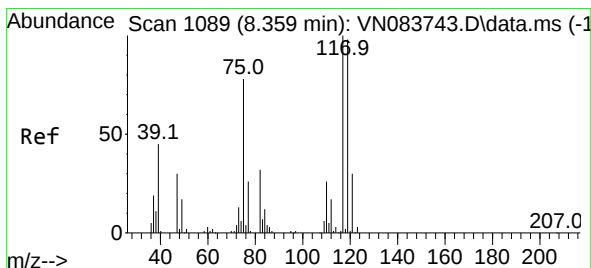
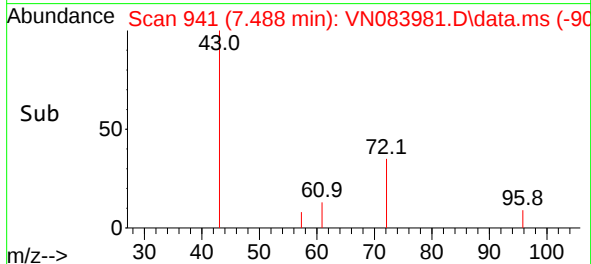
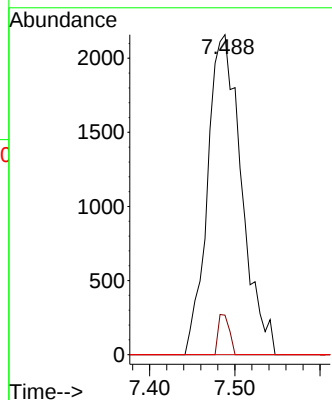
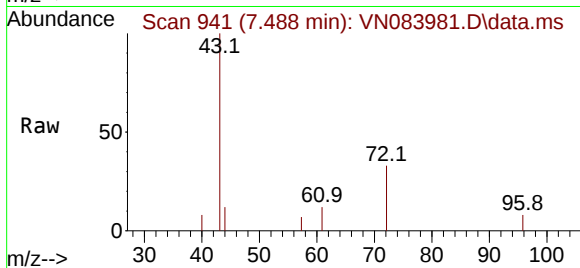




#37
Ethyl Acetate
Concen: 2.231 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

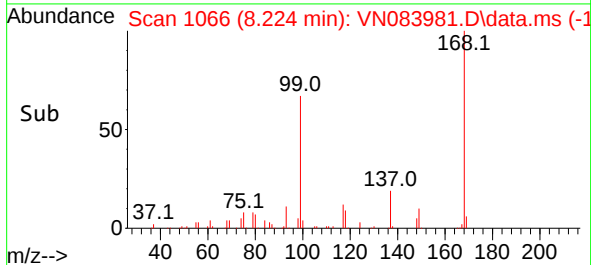
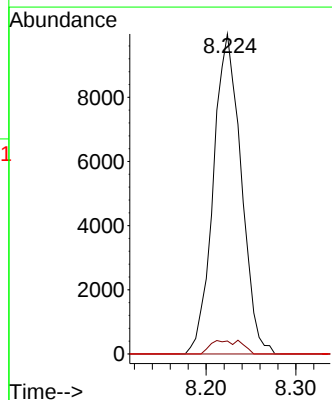
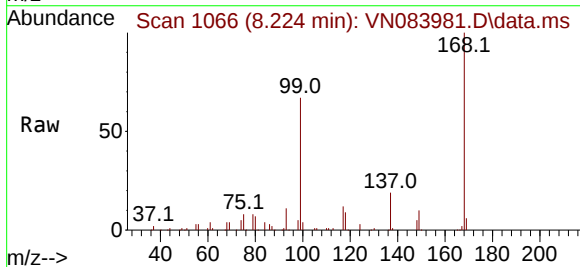
Instrument :
MSVOA_N
ClientSampleId :

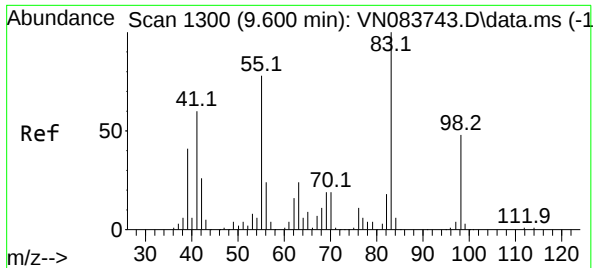
Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.1	11.1	16.7#
70	0.0	8.8	13.2#



#38
Carbon Tetrachloride
Concen: 6.417 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.1	114.1#
121	0.0	24.1	36.1#

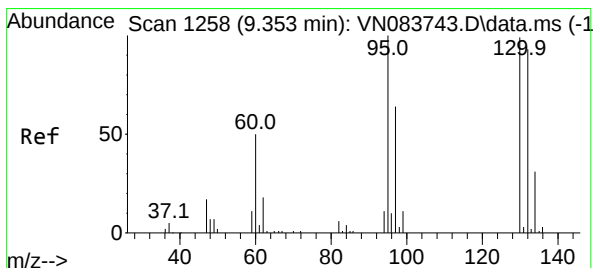
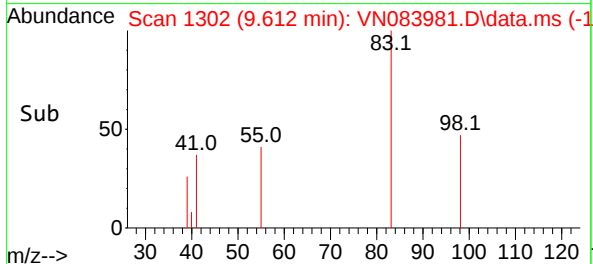
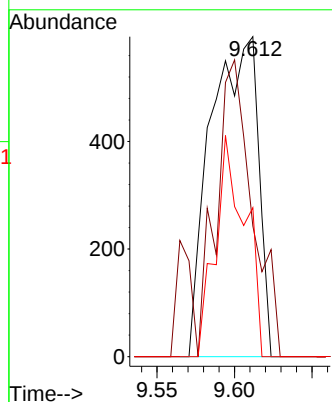
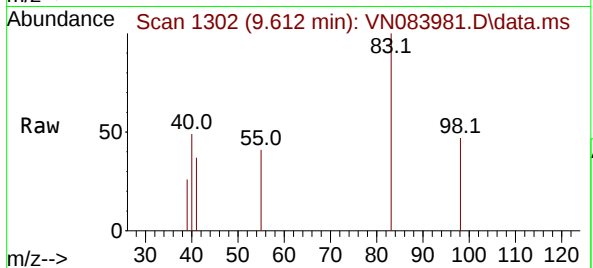




#39
Methylcyclohexane
Concen: 0.376 ug/l
RT: 9.612 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

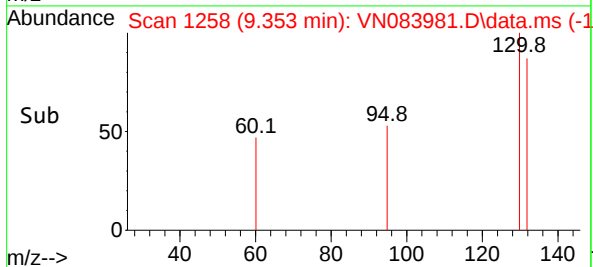
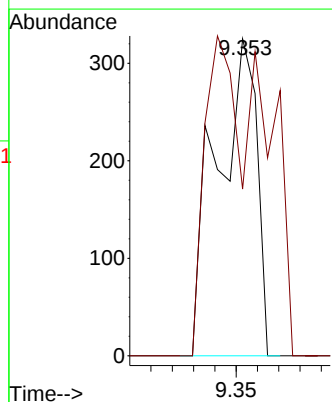
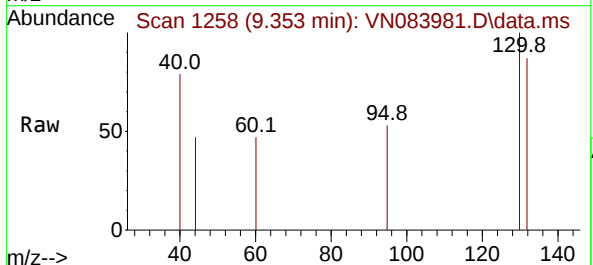
Instrument :
MSVOA_N
ClientSampleId :

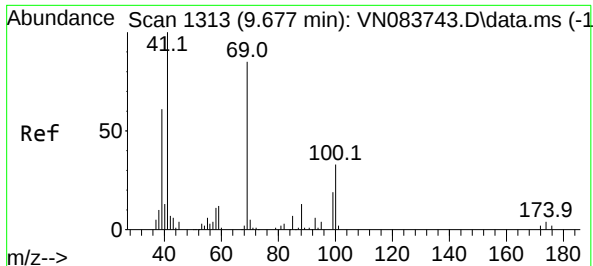
Tgt Ion: 83 Resp: 1265
Ion Ratio Lower Upper
83 100
55 40.8 62.2 93.4#
98 46.6 37.6 56.4



#44
Trichloroethene
Concen: 0.206 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Tgt Ion:130 Resp: 424
Ion Ratio Lower Upper
130 100
95 52.6 0.0 200.4





#48

Methyl methacrylate

Concen: 0.318 ug/l

RT: 9.600 min Scan# 1313

Delta R.T. -0.077 min

Lab File: VN083981.D

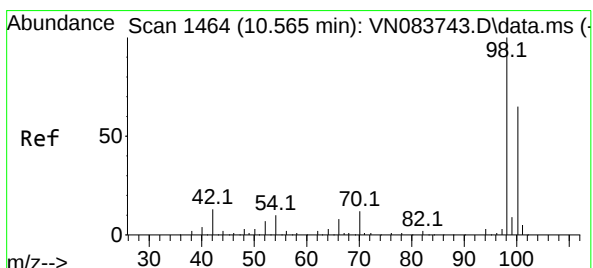
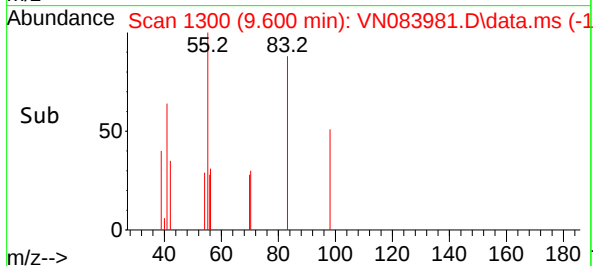
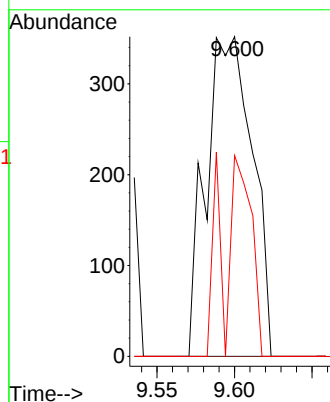
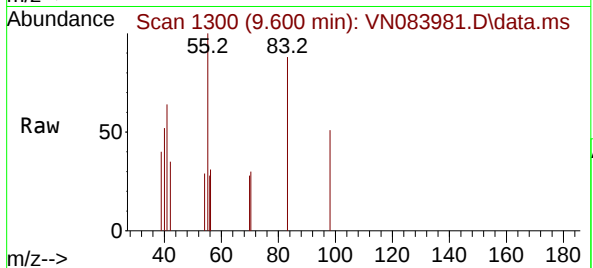
Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 41	Resp: 734
Ion Ratio	Lower Upper
41	100
69	0.0 64.3 96.5#
39	38.0 48.9 73.3#



#50

Toluene-d8

Concen: 53.655 ug/l

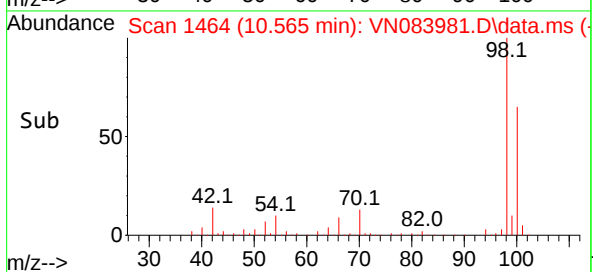
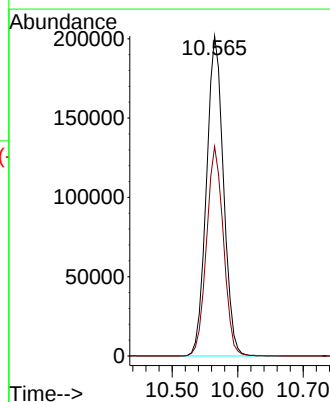
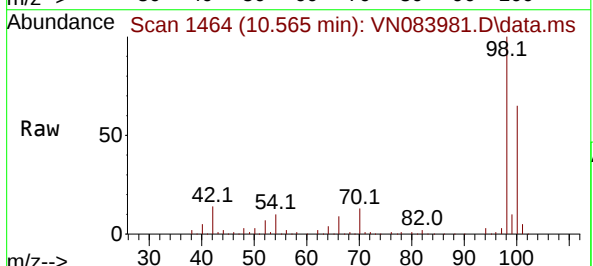
RT: 10.565 min Scan# 1464

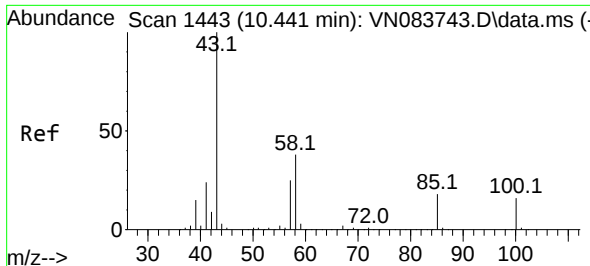
Delta R.T. -0.000 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Tgt Ion: 98	Resp: 363994
Ion Ratio	Lower Upper
98	100
100	64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.360 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.012 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

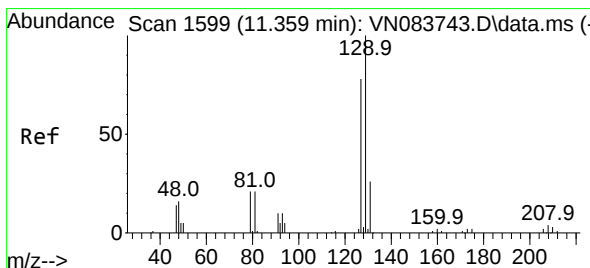
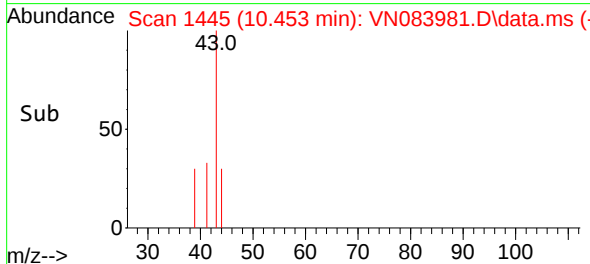
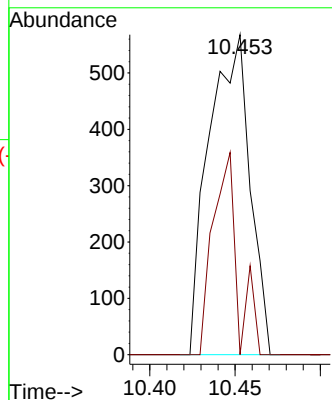
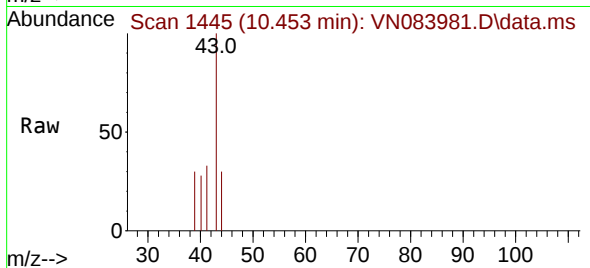
ClientSampleId :

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

58 37.7 31.6 47.4



#60

Dibromochloromethane

Concen: 0.441 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083981.D

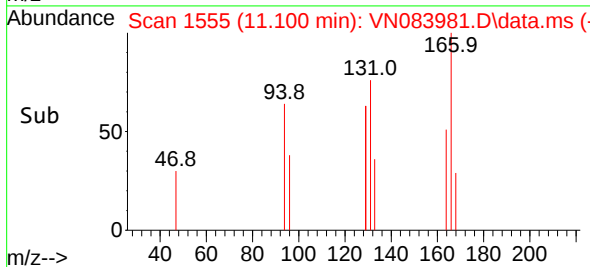
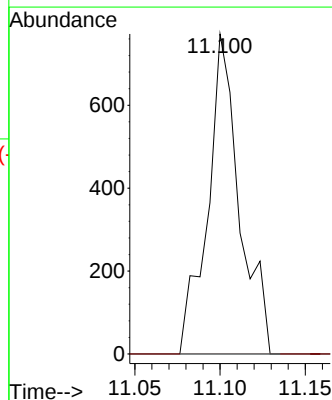
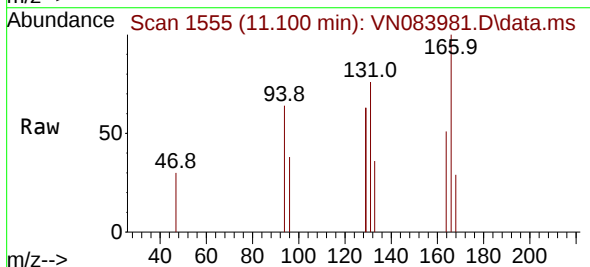
Acq: 18 Sep 2024 14:39

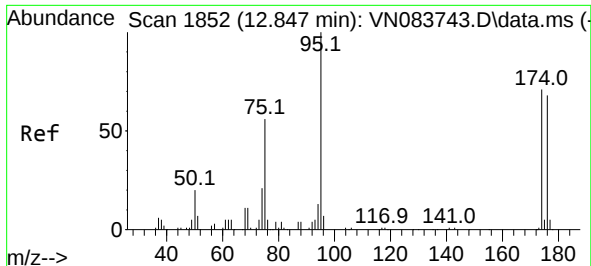
Tgt Ion: 129 Resp: 1002

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

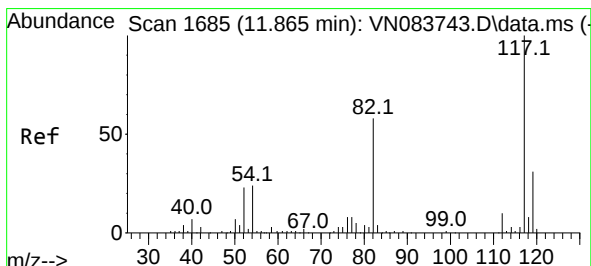
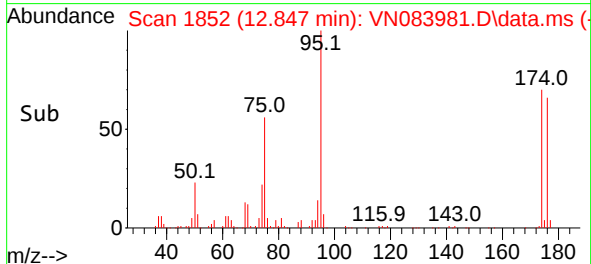
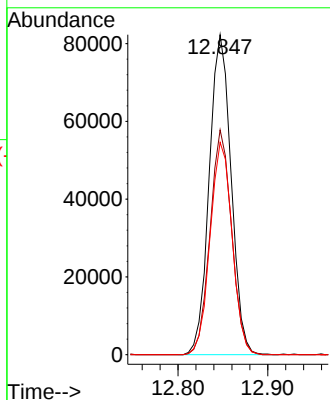
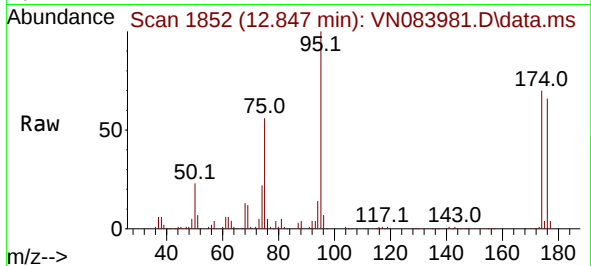




#62
4-Bromofluorobenzene
Concen: 49.826 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

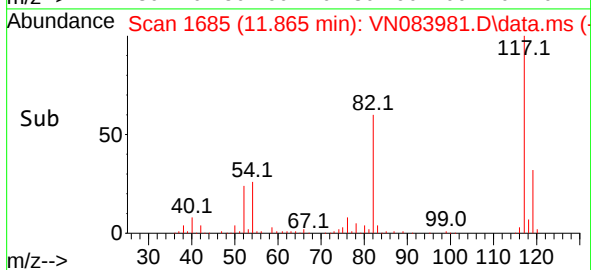
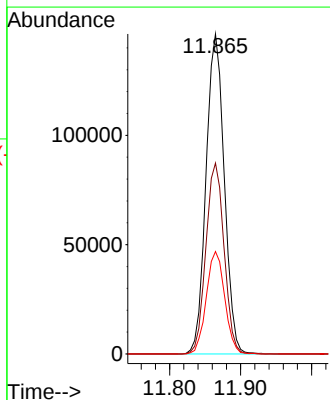
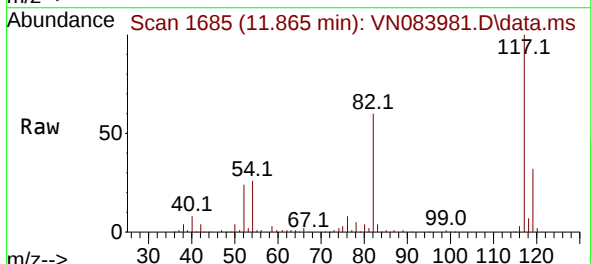
Instrument :
MSVOA_N
ClientSampleId :

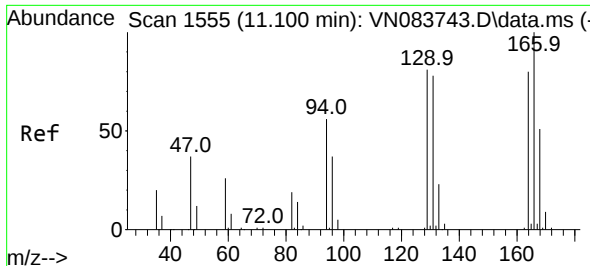
Tgt Ion: 95 Resp: 139458
Ion Ratio Lower Upper
95 100
174 69.1 0.0 139.8
176 66.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

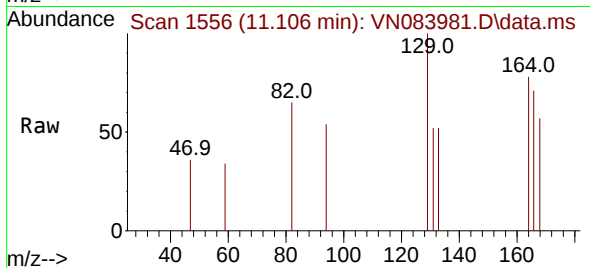
Tgt Ion: 117 Resp: 261170
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.0
119 32.0 26.3 39.5



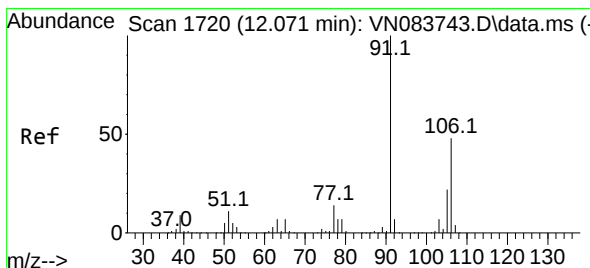
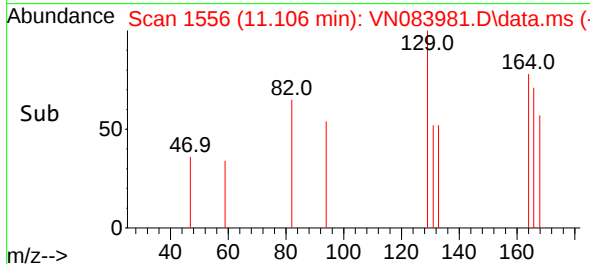
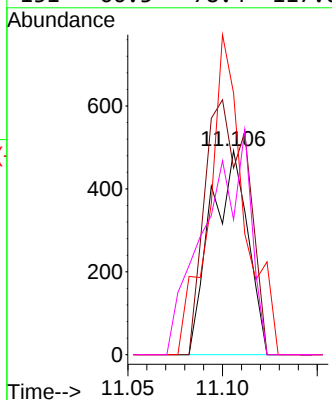


#64
Tetrachloroethene
Concen: 0.385 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Instrument :
MSVOA_N
ClientSampleId :

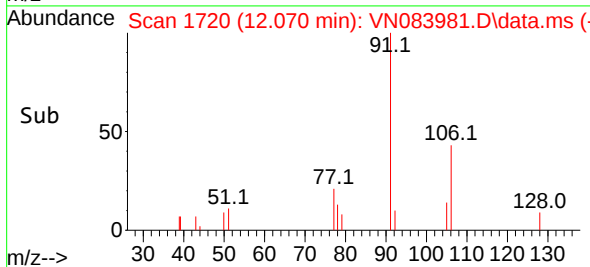
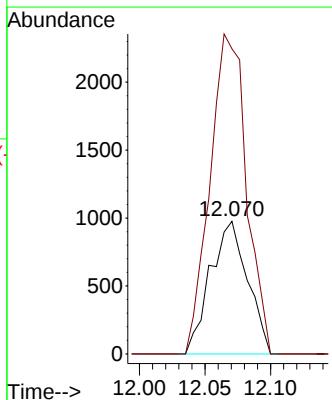
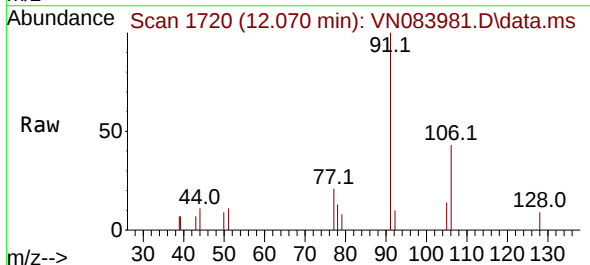


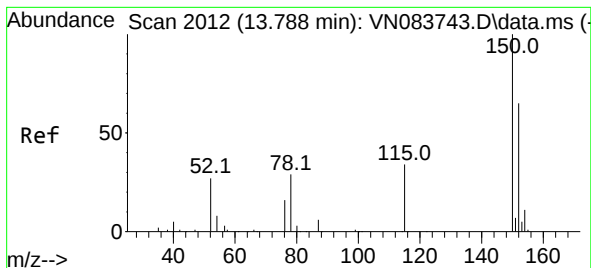
Tgt Ion:164 Resp: 668
Ion Ratio Lower Upper
164 100
166 91.5 103.7 155.5#
129 128.3 79.9 119.9#
131 66.3 78.4 117.6#



#68
m/p-Xylenes
Concen: 0.504 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Tgt Ion:106 Resp: 1928
Ion Ratio Lower Upper
106 100
91 236.3 169.2 253.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN083981.D

Acq: 18 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

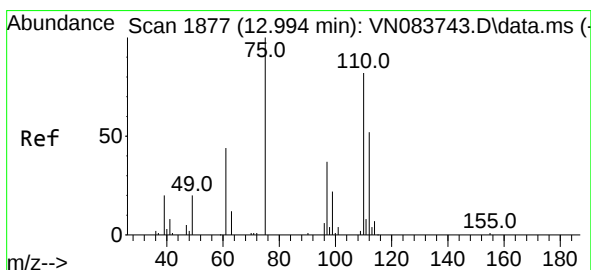
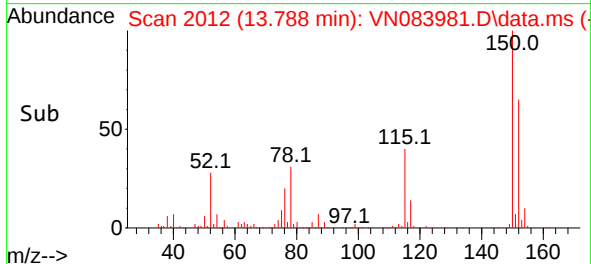
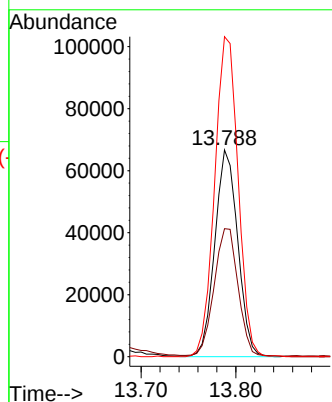
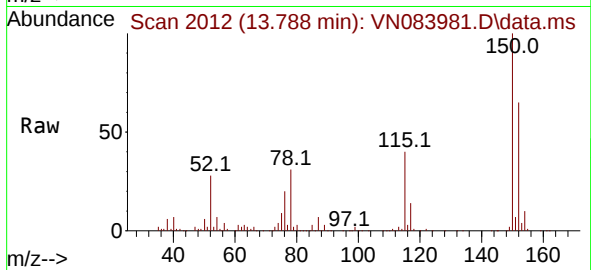
Tgt Ion:152 Resp: 112188

Ion Ratio Lower Upper

152 100

115 64.5 32.2 96.6

150 158.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 34.535 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083981.D

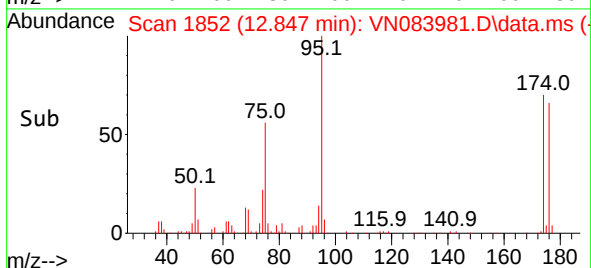
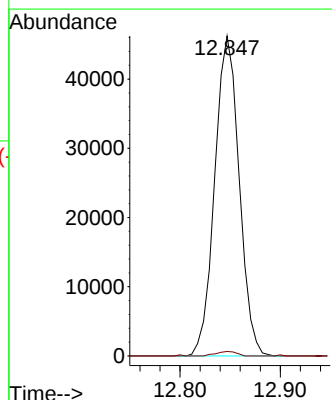
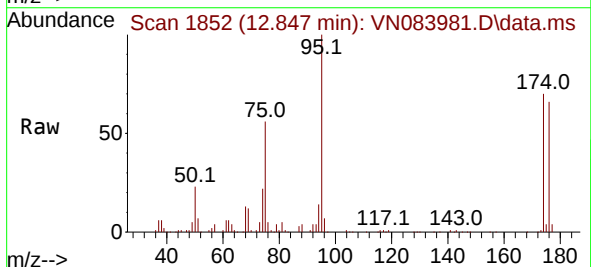
Acq: 18 Sep 2024 14:39

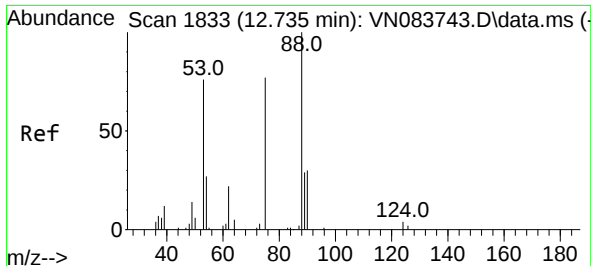
Tgt Ion: 75 Resp: 78178

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#

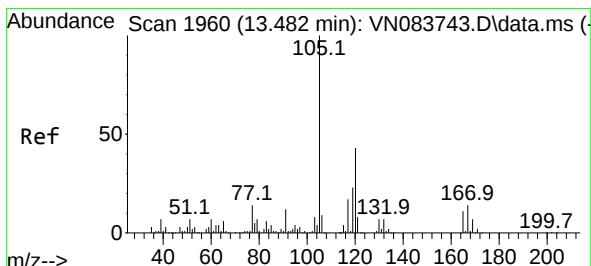
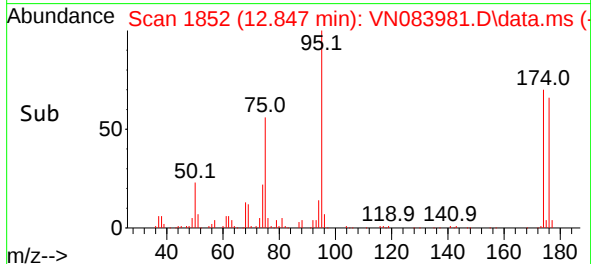
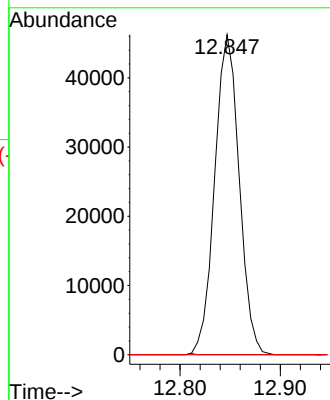
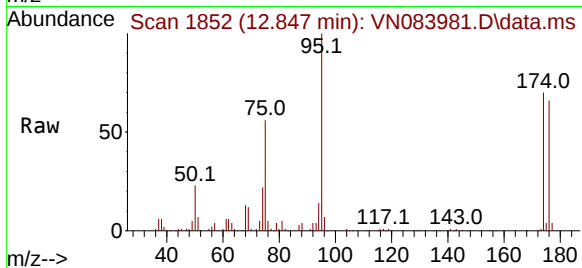




#81
trans-1,4-Dichloro-2-butene
Concen: 90.450 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

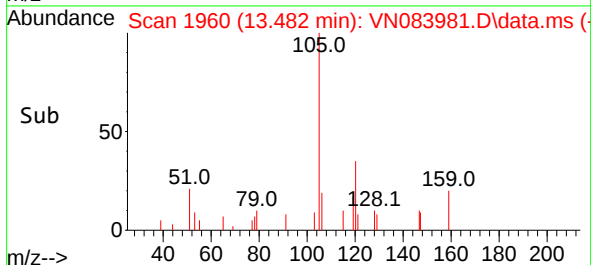
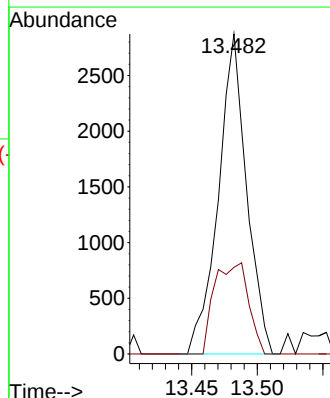
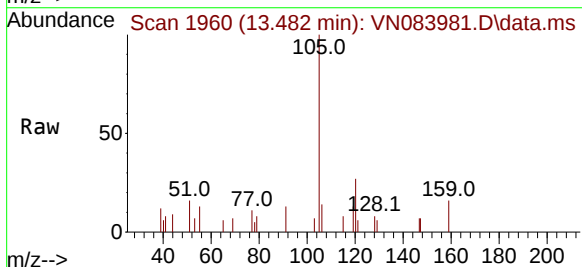
Instrument :
MSVOA_N
ClientSampleId :

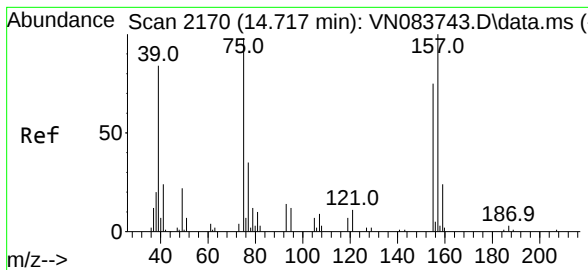
Tgt Ion: 75 Resp: 78178
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.586 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

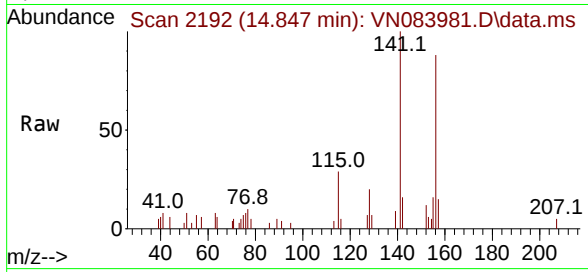
Tgt Ion: 105 Resp: 4304
Ion Ratio Lower Upper
105 100
120 34.2 21.8 65.4





#92
1,2-Dibromo-3-Chloropropane
Concen: 1.580 ug/l
RT: 14.847 min Scan# 21
Delta R.T. 0.129 min
Lab File: VN083981.D
Acq: 18 Sep 2024 14:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
155	371.2	35.9	107.7#
157	327.9	47.5	142.5#

