

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081924\
 Data File : VN083373.D
 Acq On : 19 Aug 2024 15:27
 Operator : JC\MD
 Sample : P3629-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50405

Quant Time: Aug 20 04:46:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	150640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124426	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107096	49.947	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.900%
35) Dibromofluoromethane	8.171	113	86161	47.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.680%
50) Toluene-d8	10.565	98	318206	46.868	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.847	95	124576	47.065	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.140%

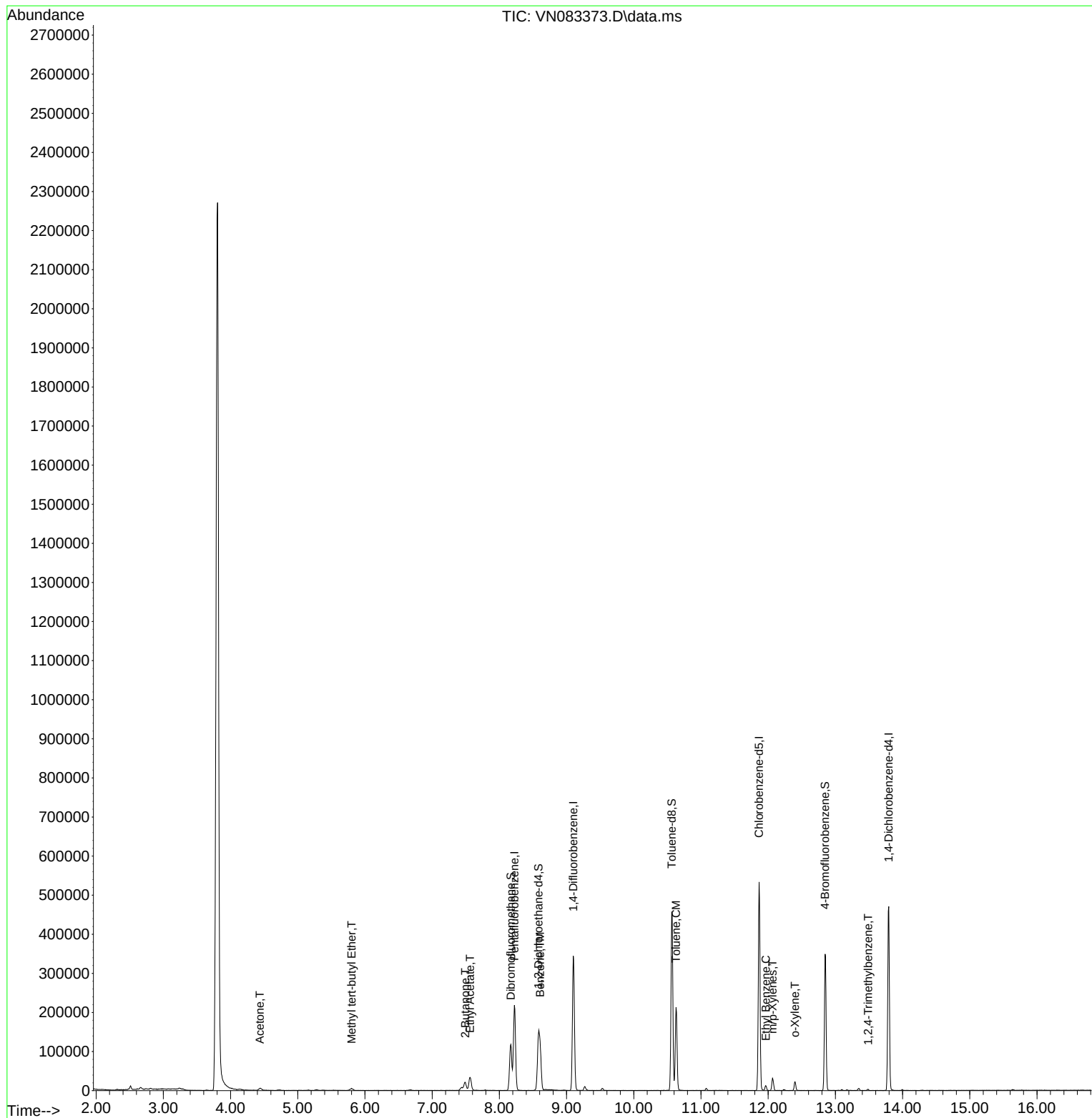
Target Compounds						Qvalue
16) Acetone	4.436	43	11528	13.740	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	7713	1.280	ug/l	95
25) 2-Butanone	7.494	43	34473	26.759	ug/l	100
37) Ethyl Acetate	7.565	43	55744	18.083	ug/l #	96
40) Benzene	8.606	78	98134	11.964	ug/l	98
52) Toluene	10.629	92	94172	18.171	ug/l	96
67) Ethyl Benzene	11.965	91	9381	0.785	ug/l #	80
68) m/p-Xylenes	12.065	106	9866	2.203	ug/l	99
69) o-Xylene	12.400	106	5546	1.256	ug/l	82
84) 1,2,4-Trimethylbenzene	13.488	105	2334	0.266	ug/l	97

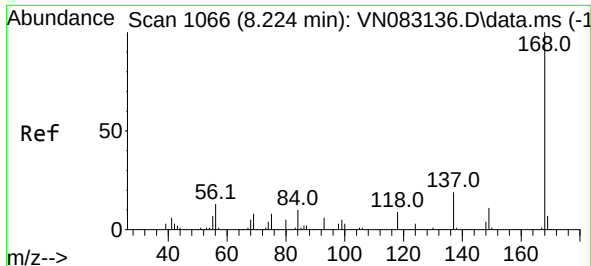
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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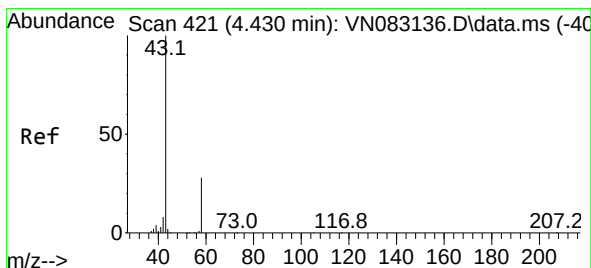
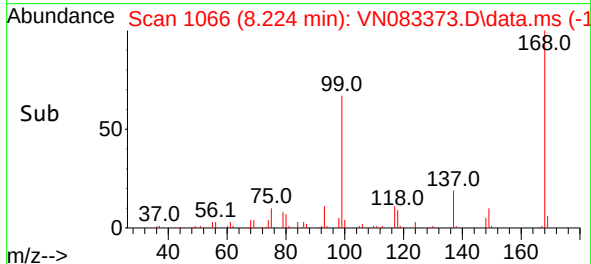
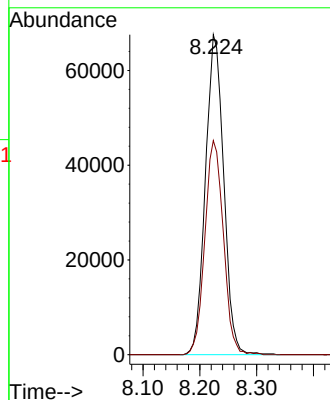
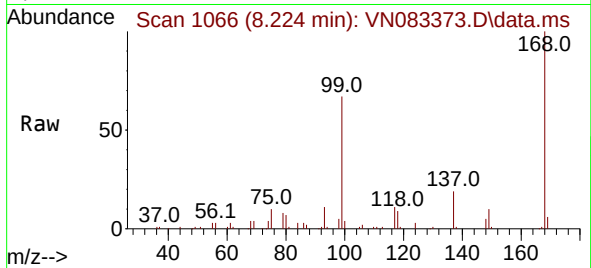




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

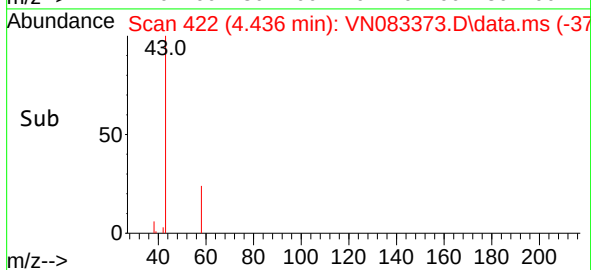
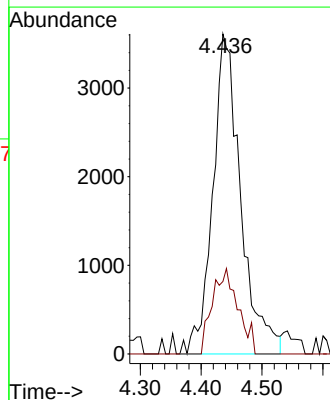
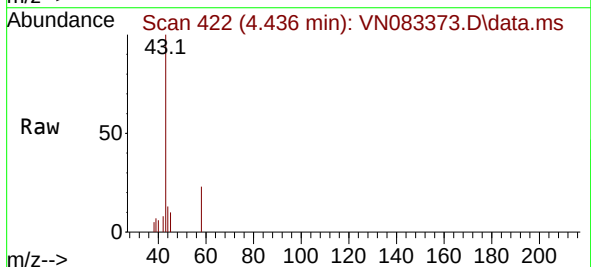
Instrument :
MSVOA_N
ClientSampleId :
50405

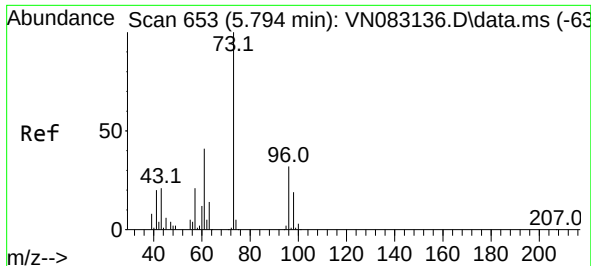
Tgt Ion:168 Resp: 150640
Ion Ratio Lower Upper
168 100
99 66.9 48.2 72.4



#16
Acetone
Concen: 13.740 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 43 Resp: 11528
Ion Ratio Lower Upper
43 100
58 22.7 21.8 32.6





#19

Methyl tert-butyl Ether

Concen: 1.280 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

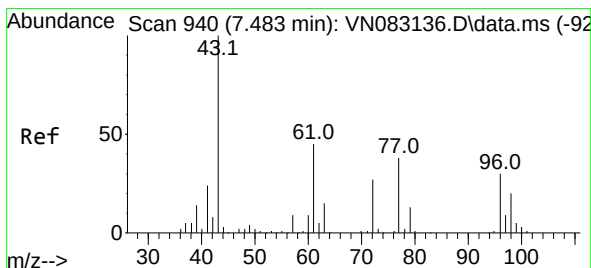
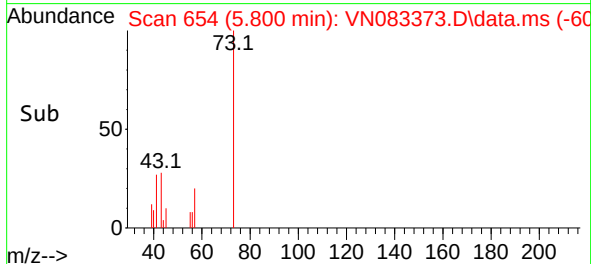
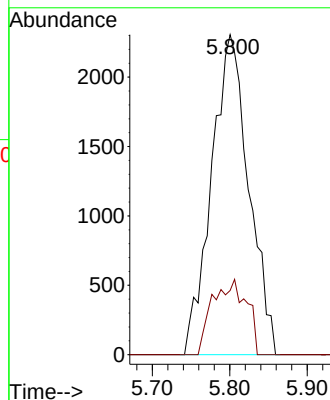
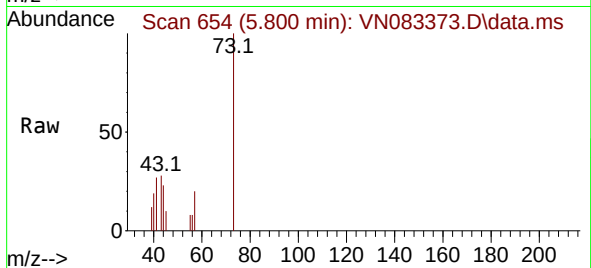
50405

Tgt Ion: 73 Resp: 7713

Ion Ratio Lower Upper

73 100

57 20.0 17.9 26.9



#25

2-Butanone

Concen: 26.759 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN083373.D

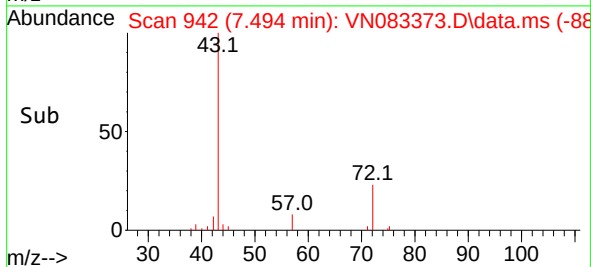
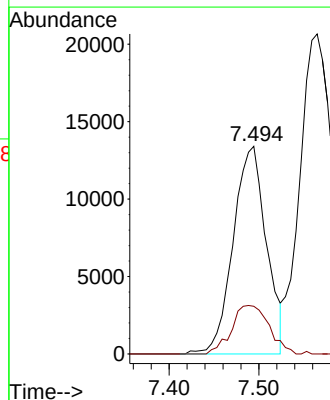
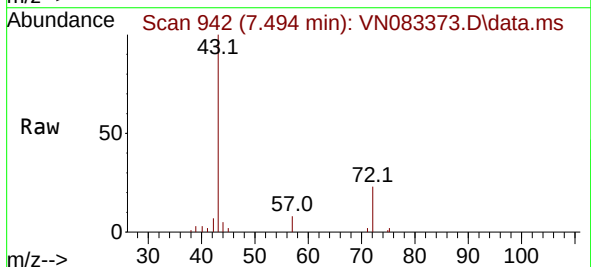
Acq: 19 Aug 2024 15:27

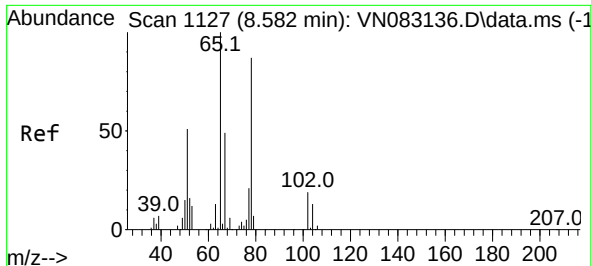
Tgt Ion: 43 Resp: 34473

Ion Ratio Lower Upper

43 100

72 22.9 18.2 27.2





#33

1,2-Dichloroethane-d4

Concen: 49.947 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

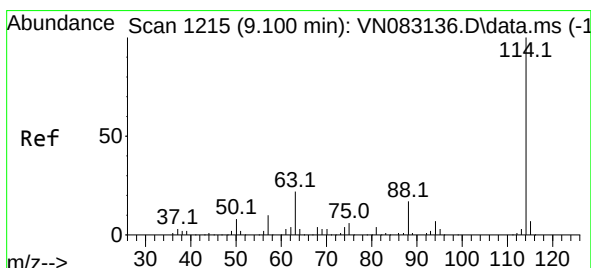
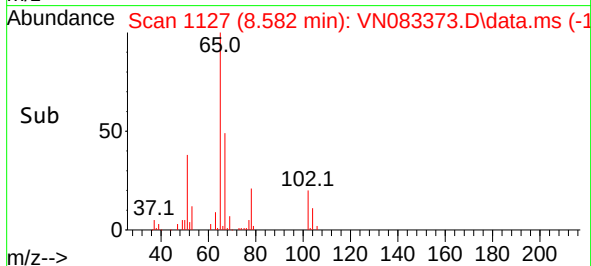
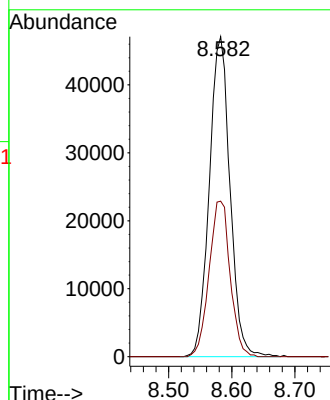
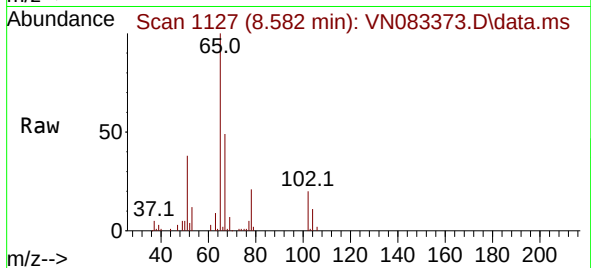
50405

Tgt Ion: 65 Resp: 107096

Ion Ratio Lower Upper

65 100

67 49.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

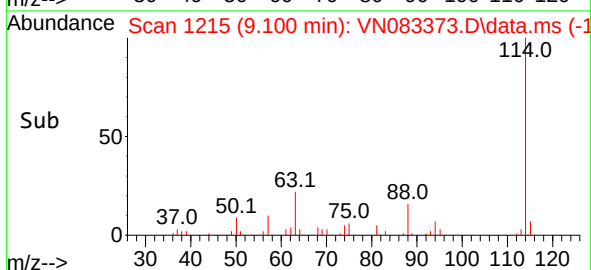
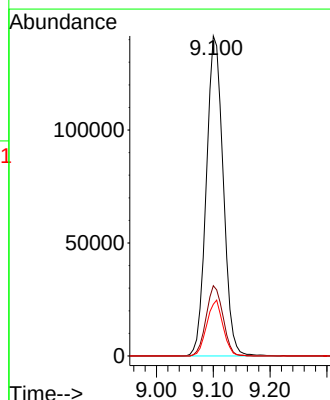
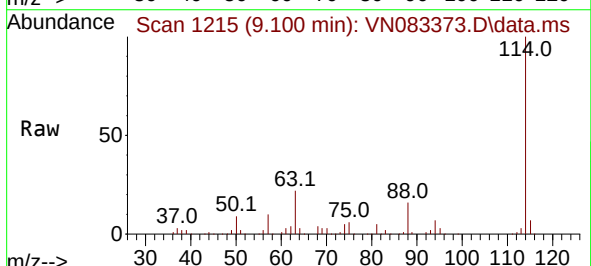
Tgt Ion: 114 Resp: 291597

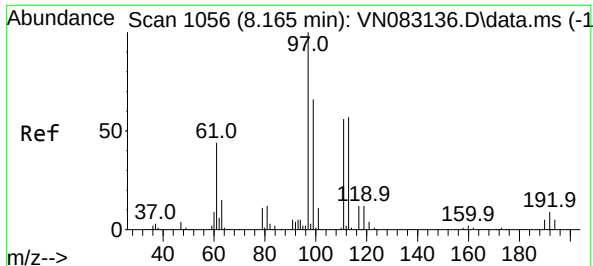
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.339 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

50405

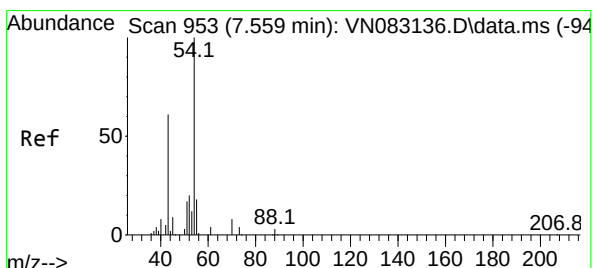
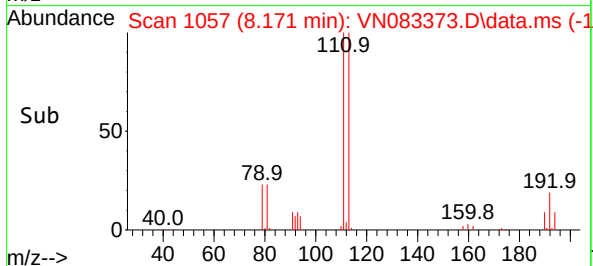
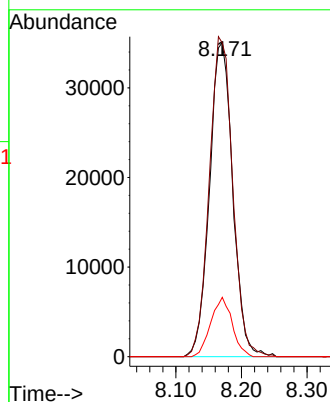
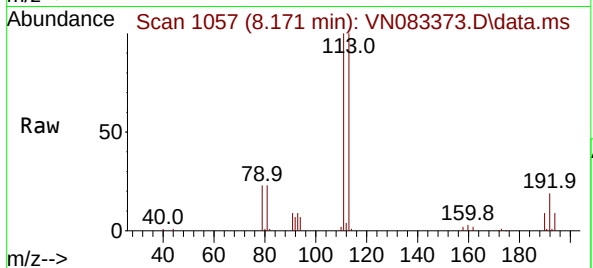
Tgt Ion:113 Resp: 86161

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 17.5 14.9 22.3



#37

Ethyl Acetate

Concen: 18.083 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

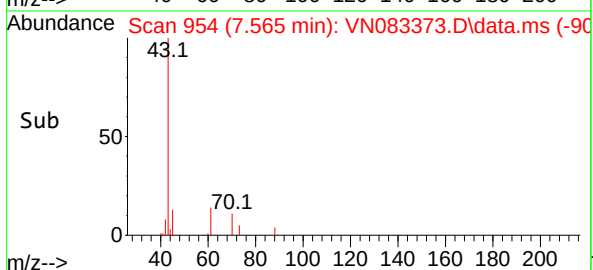
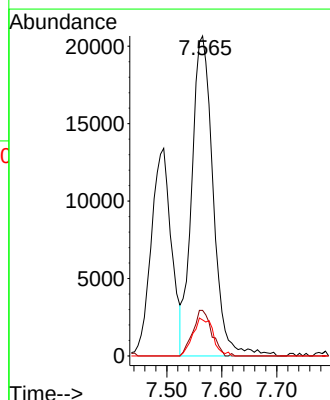
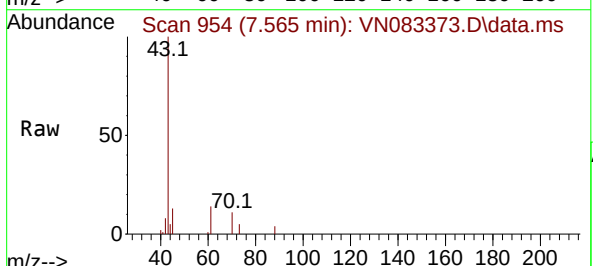
Tgt Ion: 43 Resp: 55744

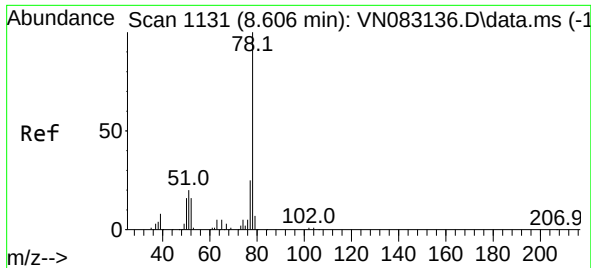
Ion Ratio Lower Upper

43 100

61 12.5 9.3 13.9

70 11.2 7.0 10.6





#40

Benzene

Concen: 11.964 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

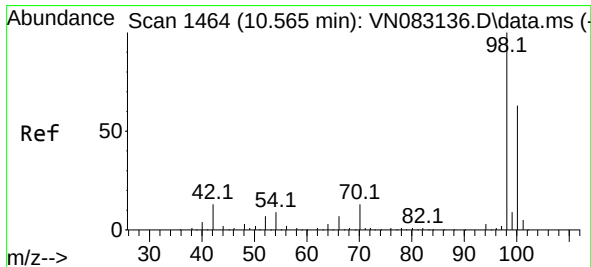
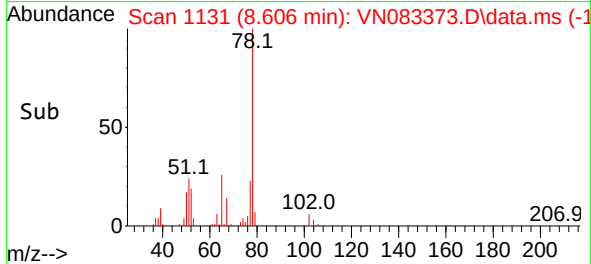
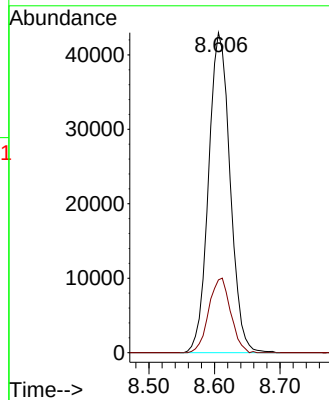
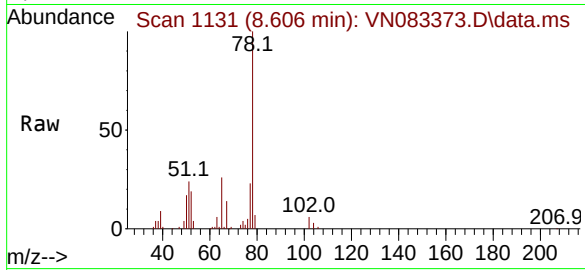
50405

Tgt Ion: 78 Resp: 98134

Ion Ratio Lower Upper

78 100

77 22.8 19.0 28.4



#50

Toluene-d8

Concen: 46.868 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083373.D

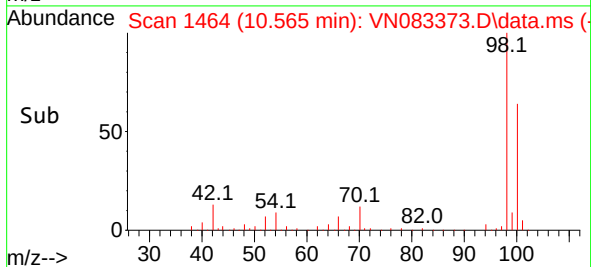
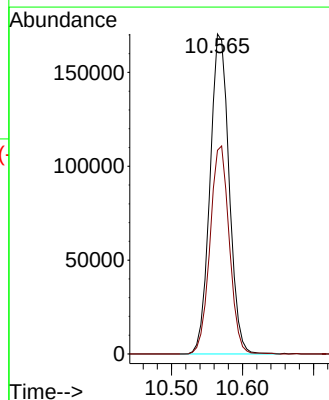
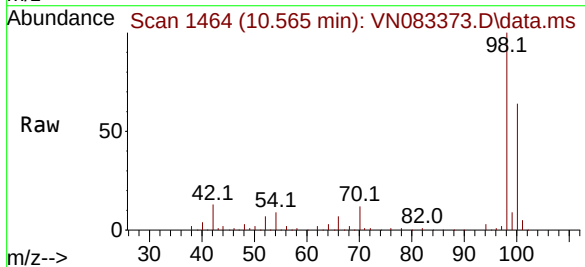
Acq: 19 Aug 2024 15:27

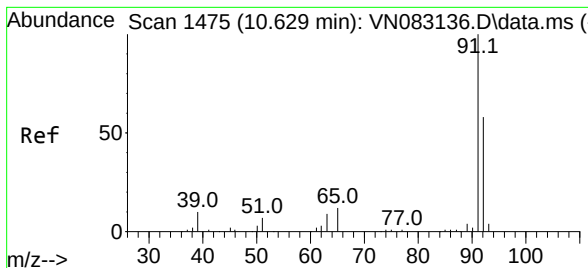
Tgt Ion: 98 Resp: 318206

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3





#52

Toluene

Concen: 18.171 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

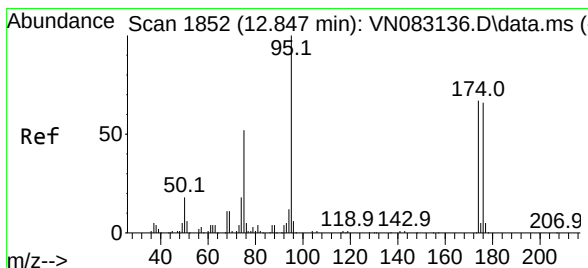
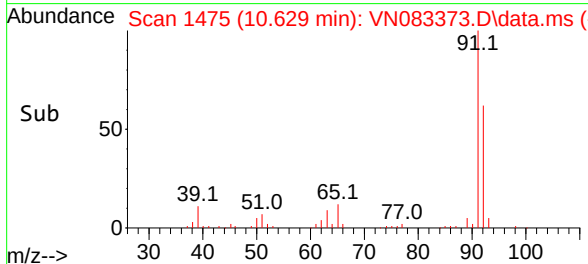
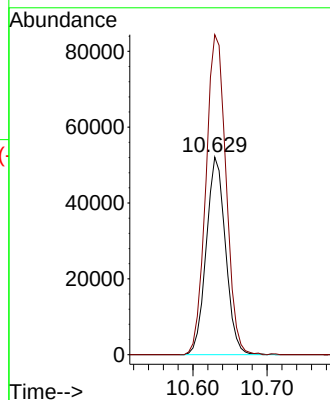
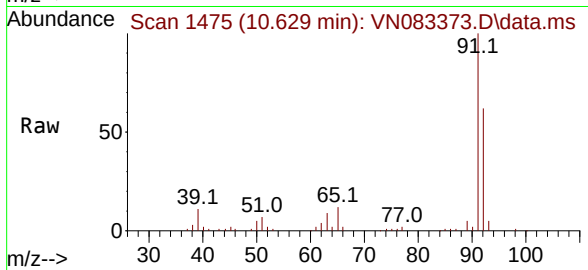
50405

Tgt Ion: 92 Resp: 94172

Ion Ratio Lower Upper

92 100

91 168.9 139.4 209.0



#62

4-Bromofluorobenzene

Concen: 47.065 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083373.D

Acq: 19 Aug 2024 15:27

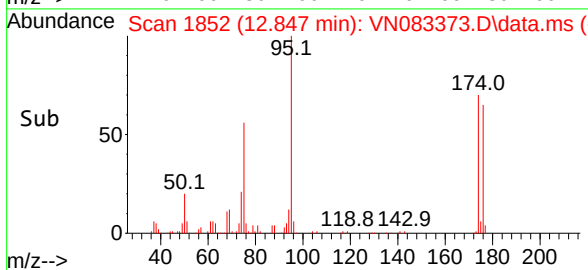
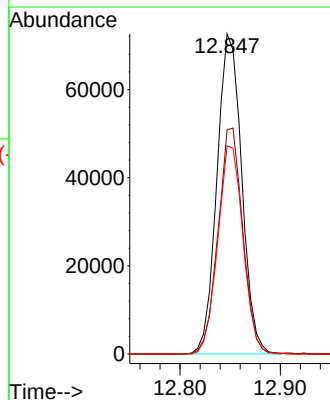
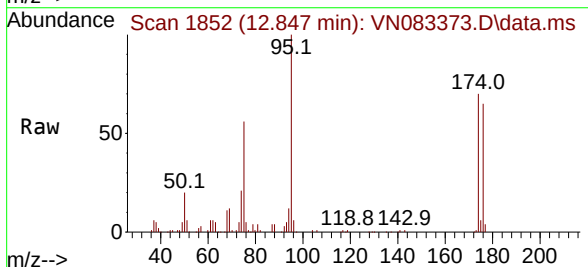
Tgt Ion: 95 Resp: 124576

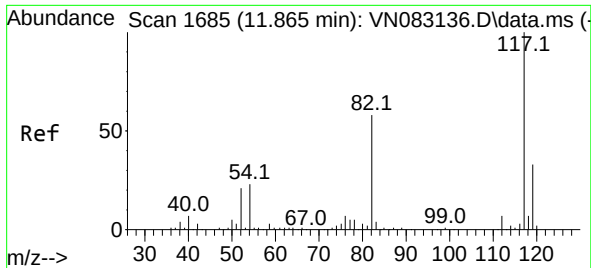
Ion Ratio Lower Upper

95 100

174 70.5 0.0 159.2

176 66.3 0.0 147.6

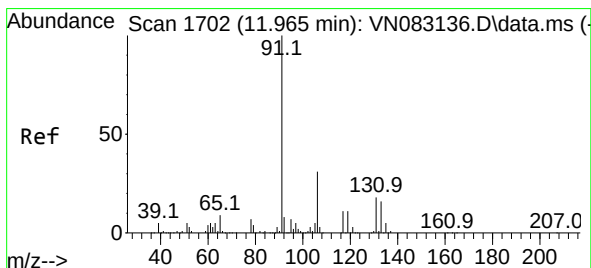
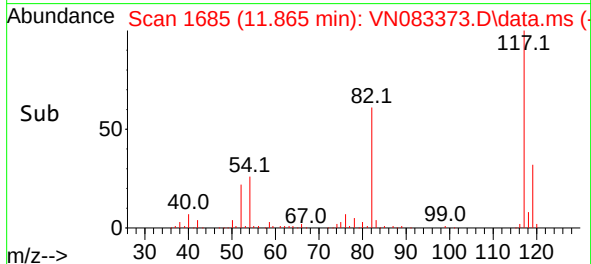
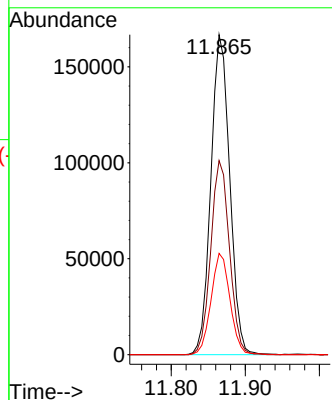
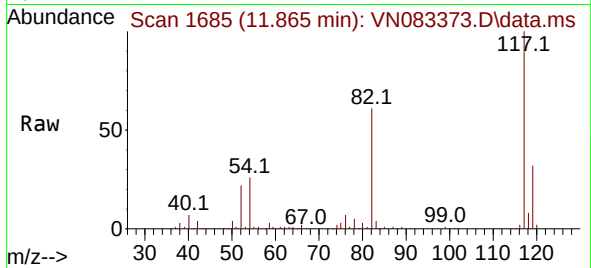




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

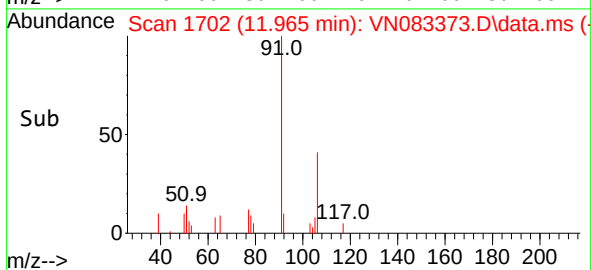
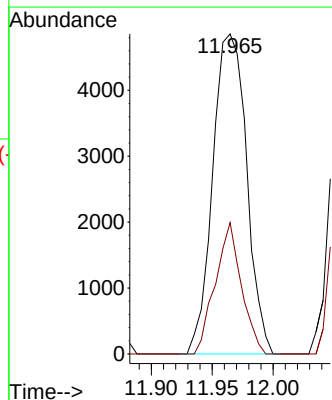
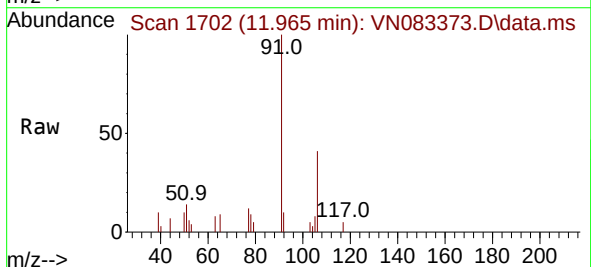
Instrument :
MSVOA_N
ClientSampleId :
50405

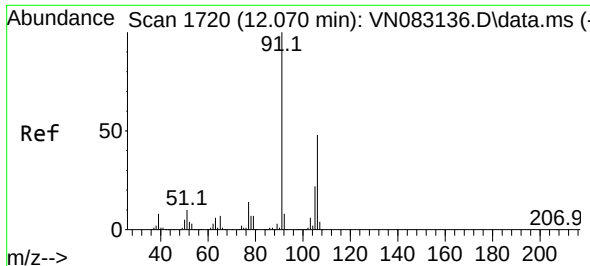
Tgt Ion:117 Resp: 294848
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 31.7 25.6 38.4



#67
Ethyl Benzene
Concen: 0.785 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion: 91 Resp: 9381
Ion Ratio Lower Upper
91 100
106 41.1 24.0 36.0#

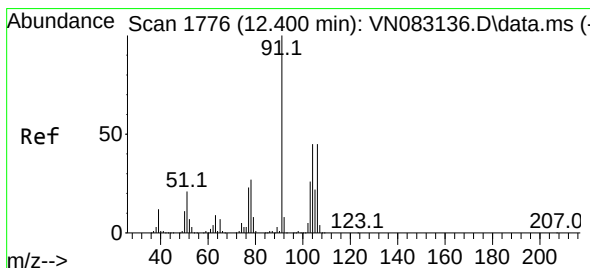
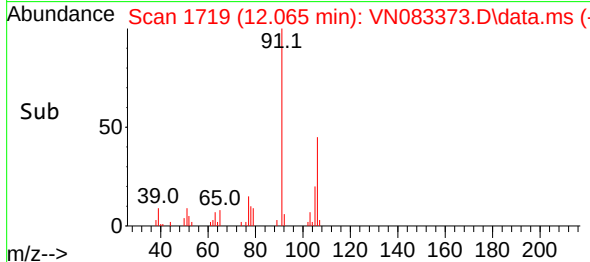
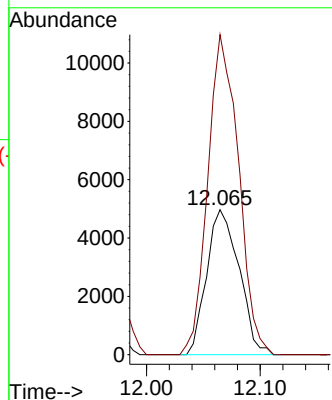
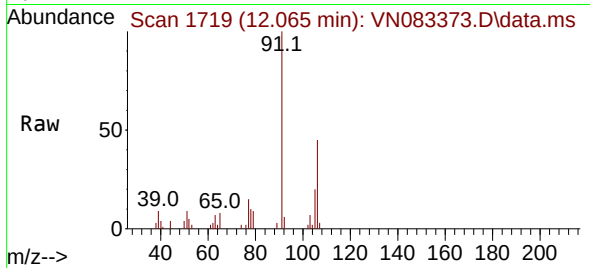




#68
m/p-Xylenes
Concen: 2.203 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

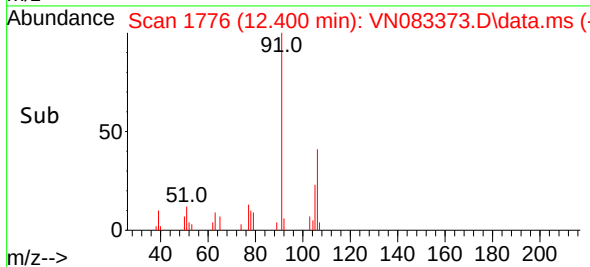
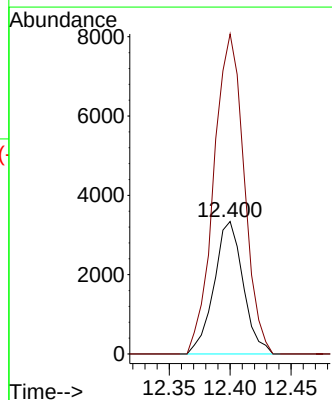
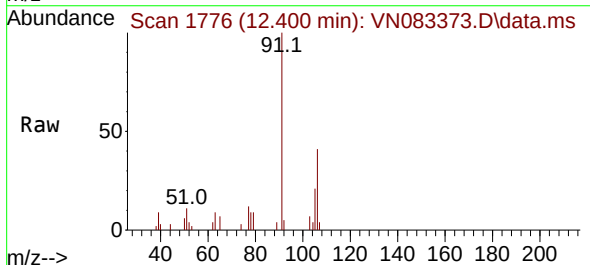
Instrument :
MSVOA_N
ClientSampleId :
50405

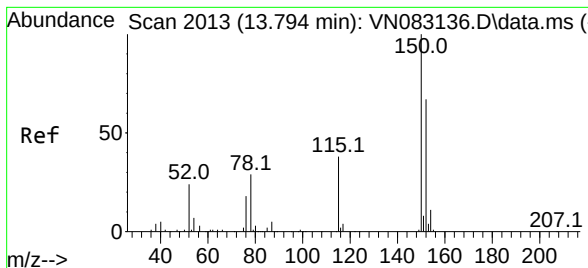
Tgt Ion:106 Resp: 9866
Ion Ratio Lower Upper
106 100
91 209.4 166.1 249.1



#69
o-Xylene
Concen: 1.256 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN083373.D
Acq: 19 Aug 2024 15:27

Tgt Ion:106 Resp: 5546
Ion Ratio Lower Upper
106 100
91 251.8 111.3 333.9

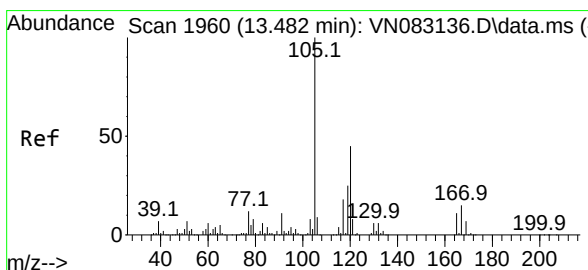
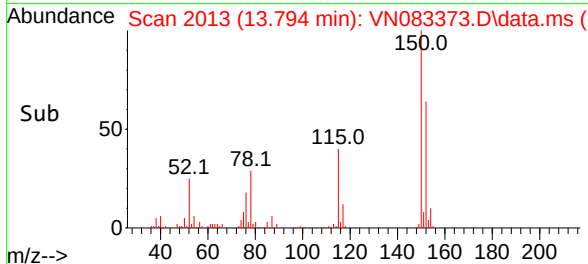
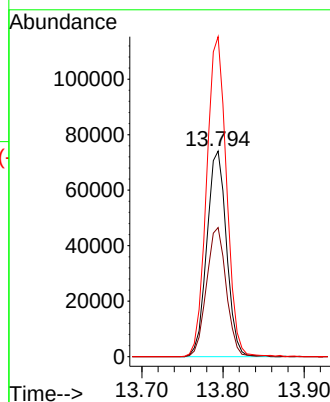
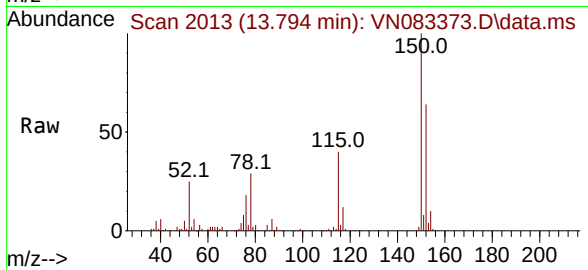




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 50405

Tgt Ion:152 Resp: 124426
 Ion Ratio Lower Upper
 152 100
 115 63.3 30.6 91.6
 150 157.6 0.0 348.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.266 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN083373.D
 Acq: 19 Aug 2024 15:27

Tgt Ion:105 Resp: 2334
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.9 65.8

