

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041664.D
 Acq On : 14 Oct 2024 12:20
 Operator : SY/MD
 Sample : CAN 10258
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 15 02:40:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

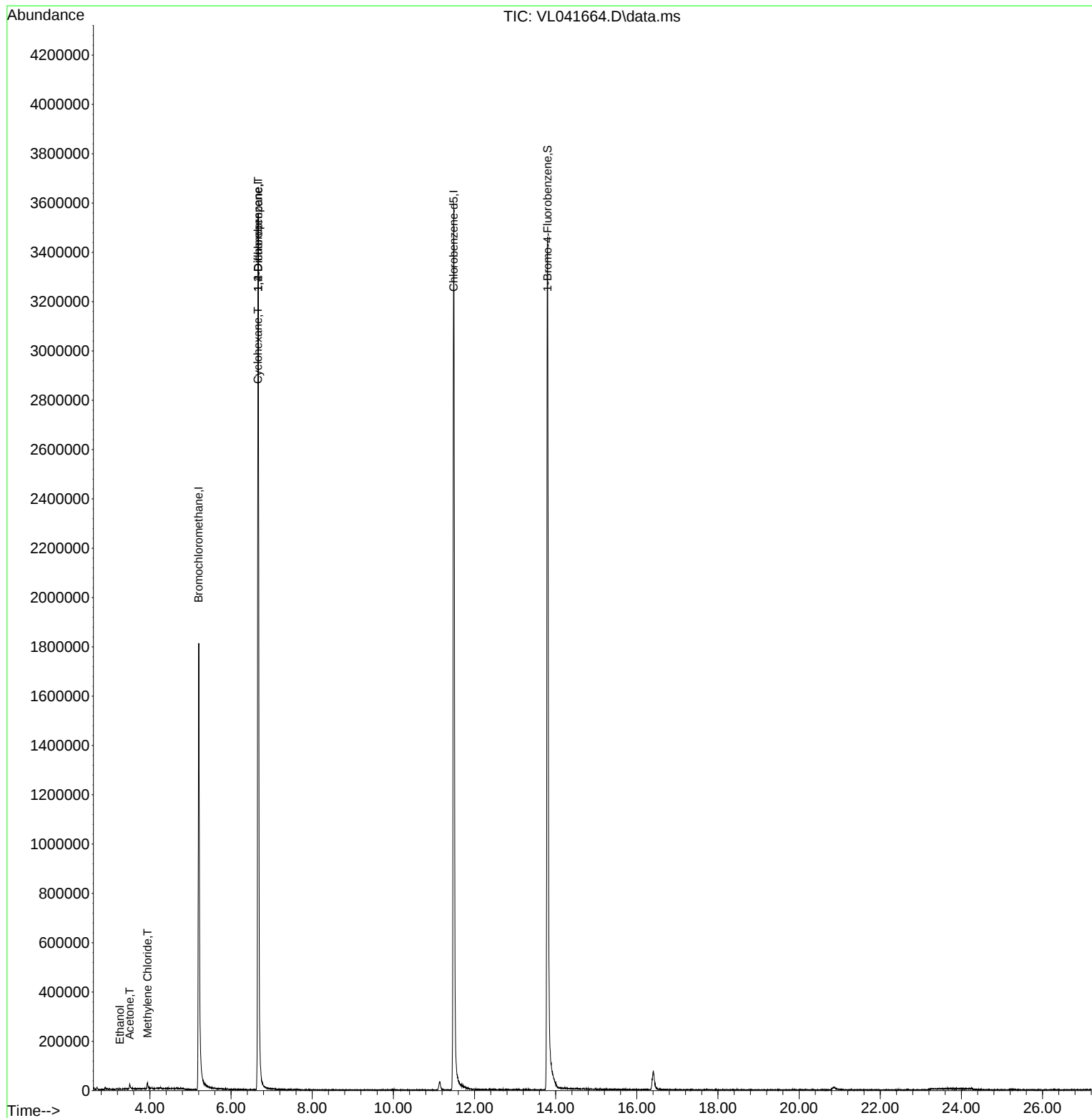
Internal Standards						
1) Bromochloromethane	5.201	49	1000184	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.667	114	2684060	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.487	117	2368428	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1743192	9.998	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
						Qvalue
13) Ethanol	3.259	45	170	0.044	ppbv #	37
15) Acetone	3.500	43	15196	0.121	ppbv #	72
20) Methylene Chloride	3.941	84	6949	0.147	ppbv #	90
30) Cyclohexane	6.658	84	4580	0.063	ppbv #	1
39) 1,2-Dichloropropane	6.667	63	669048	8.823	ppbv #	23

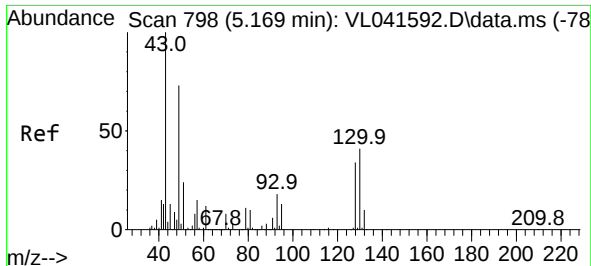
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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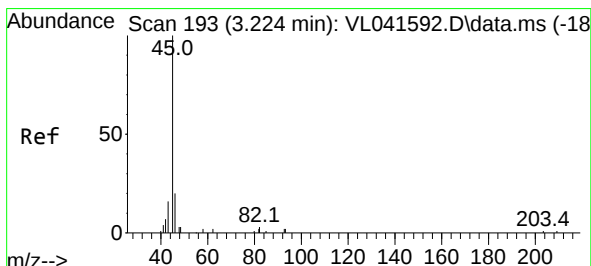
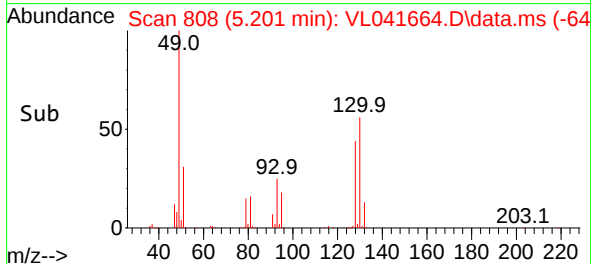
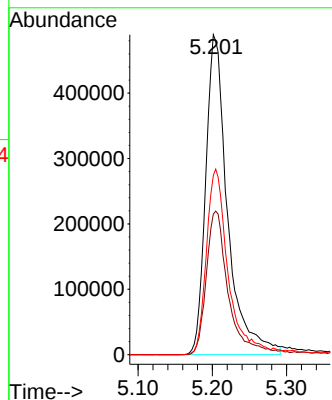
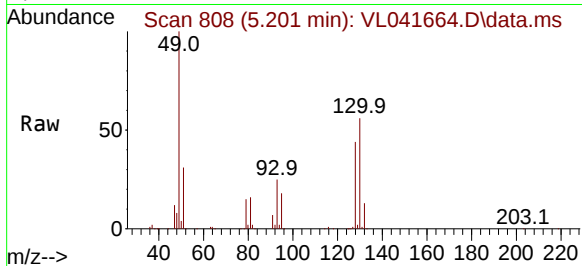




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.032 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

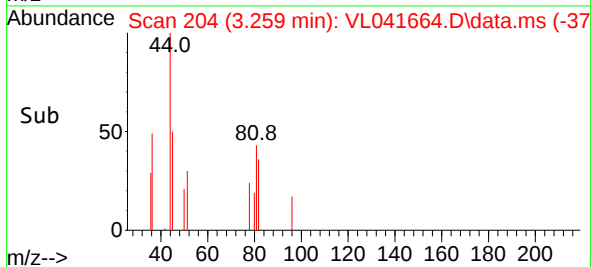
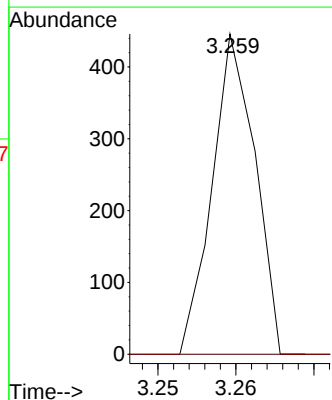
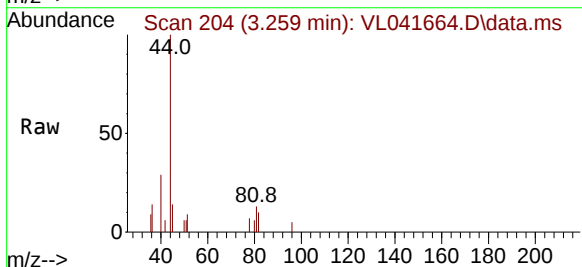
Instrument :
MSVOA_L
ClientSampleId :

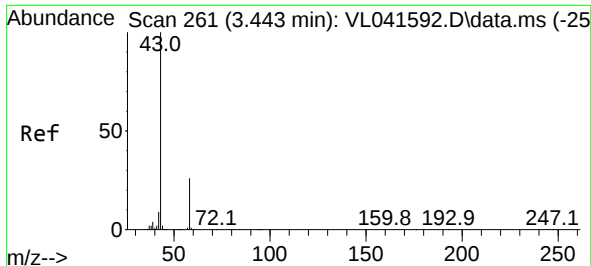
Tgt Ion: 49 Resp: 1000184
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.5
130 59.5 30.4 91.3



#13
Ethanol
Concen: 0.044 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.035 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

Tgt Ion: 45 Resp: 170
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#

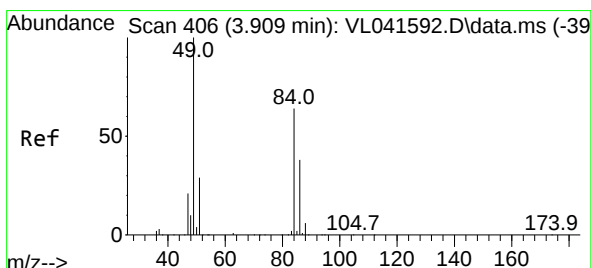
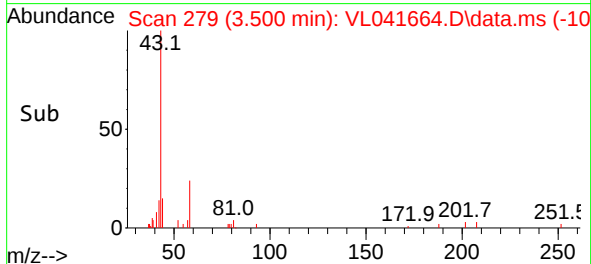
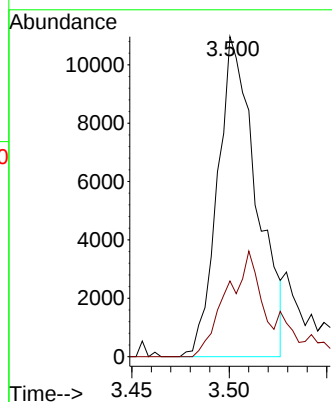
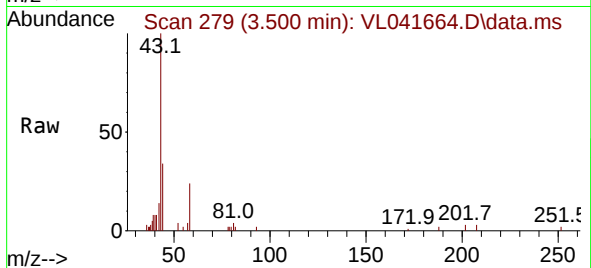




#15
Acetone
Concen: 0.121 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.058 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

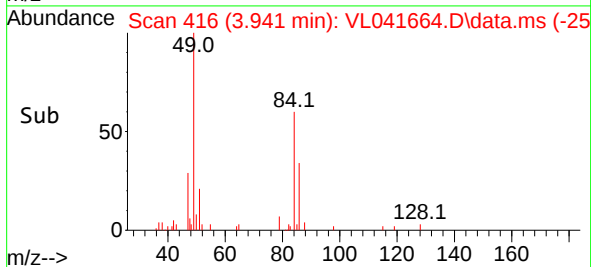
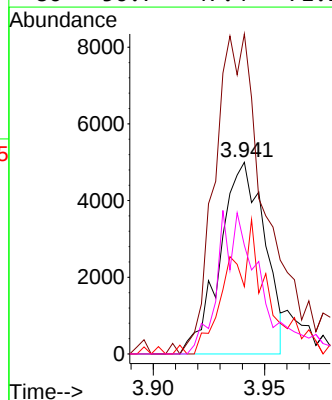
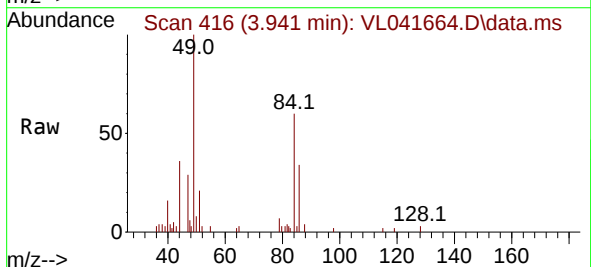
Instrument :
MSVOA_L
ClientSampleId :

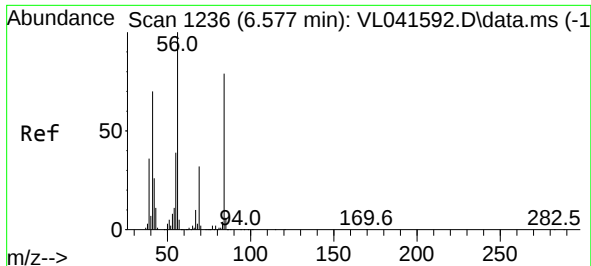
Tgt Ion: 43 Resp: 15196
Ion Ratio Lower Upper
43 100
58 41.4 21.5 32.3#



#20
Methylene Chloride
Concen: 0.147 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.032 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

Tgt Ion: 84 Resp: 6949
Ion Ratio Lower Upper
84 100
49 166.9 124.3 186.5
51 30.5 36.3 54.5#
86 56.7 47.4 71.2

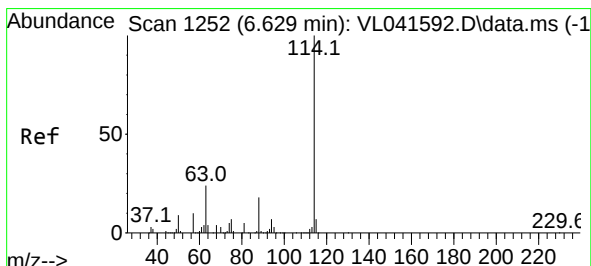
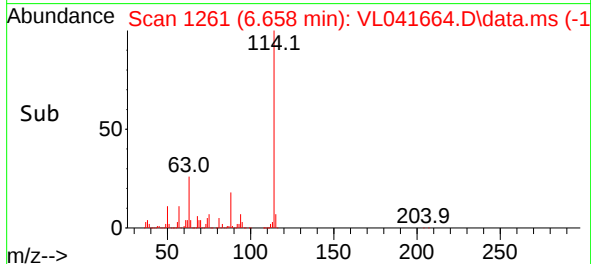
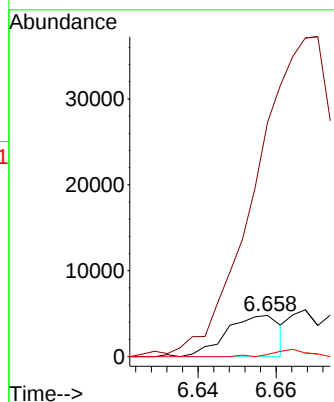
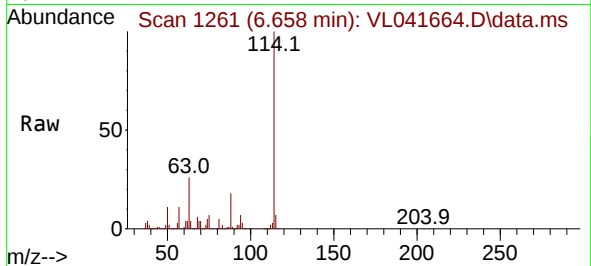




#30
Cyclohexane
Concen: 0.063 ppbv
RT: 6.658 min Scan# 11
Delta R.T. 0.080 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

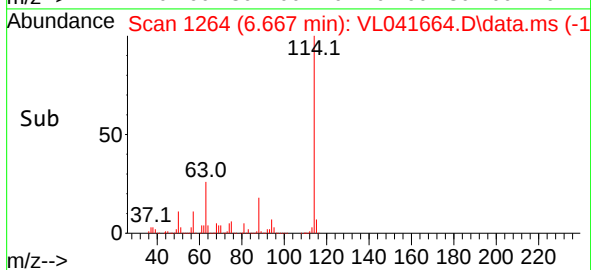
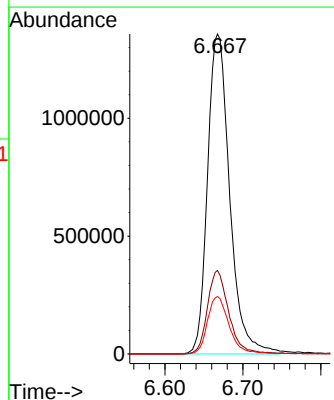
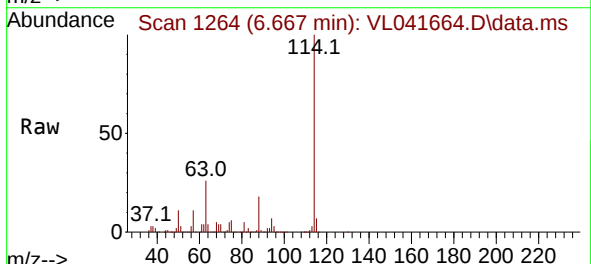
Instrument :
MSVOA_L
ClientSampleId :

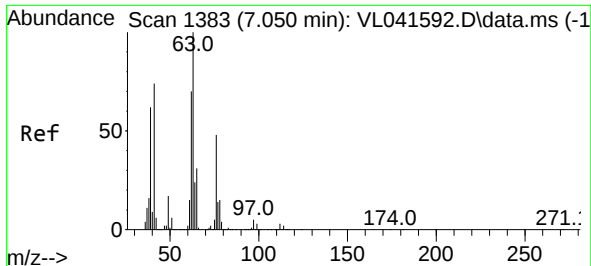
Tgt Ion: 84 Resp: 4580
Ion Ratio Lower Upper
84 100
56 0.0 111.5 167.3#
41 0.6 70.9 106.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.667 min Scan# 1264
Delta R.T. 0.039 min
Lab File: VL041664.D
Acq: 14 Oct 2024 12:20

Tgt Ion: 114 Resp: 2684060
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.2
88 17.7 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.823 ppbv

RT: 6.667 min Scan# 11

Delta R.T. -0.383 min

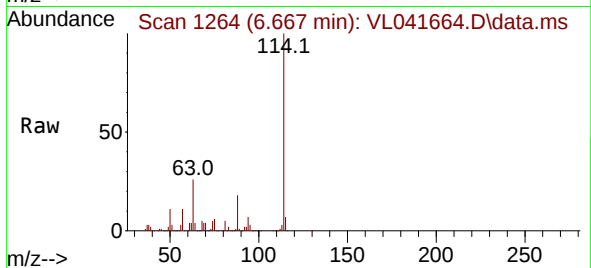
Lab File: VL041664.D

Acq: 14 Oct 2024 12:20

Instrument :

MSVOA_L

ClientSampleId :



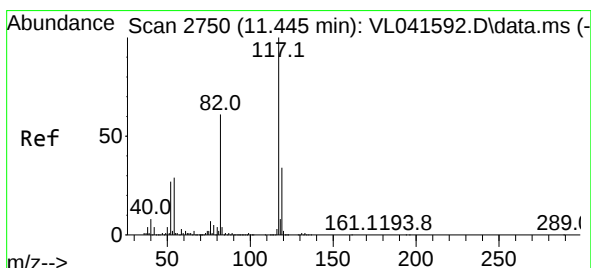
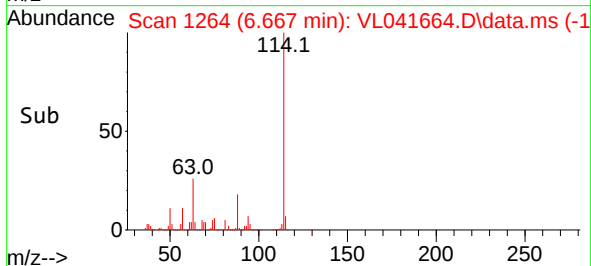
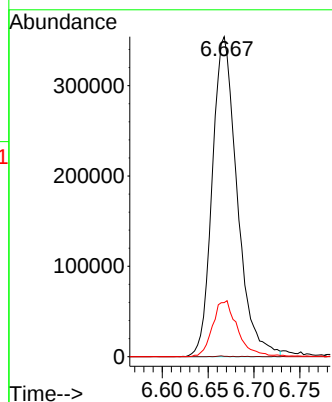
Tgt Ion: 63 Resp: 669048

Ion Ratio Lower Upper

63 100

41 0.1 59.5 89.3#

62 16.9 56.2 84.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.487 min Scan# 2763

Delta R.T. 0.042 min

Lab File: VL041664.D

Acq: 14 Oct 2024 12:20

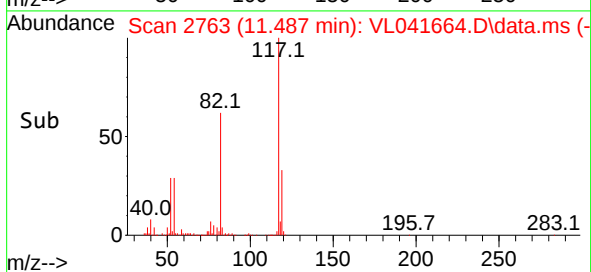
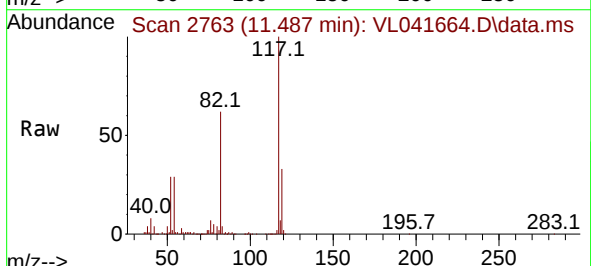
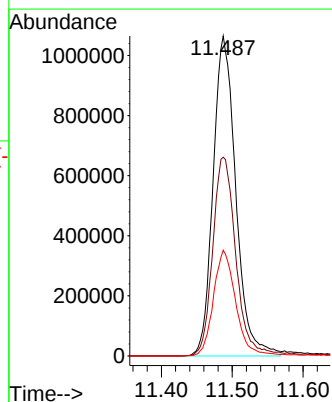
Tgt Ion: 117 Resp: 2368428

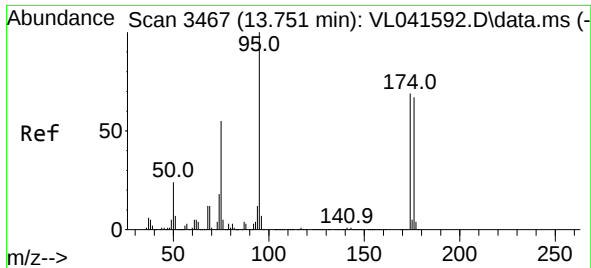
Ion Ratio Lower Upper

117 100

82 64.5 49.4 74.2

119 33.1 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.998 ppbv
 RT: 13.799 min Scan# 34
 Delta R.T. 0.048 min
 Lab File: VL041664.D
 Acq: 14 Oct 2024 12:20

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 1743192

Ion	Ratio	Lower	Upper
95	100		
174	71.5	55.8	83.8
175	5.2	4.1	6.1

