

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040889.D
 Acq On : 17 Nov 2023 10:45
 Operator : SY/MD
 Sample : VL1117ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1117ABL01

Quant Time: Nov 20 03:56:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

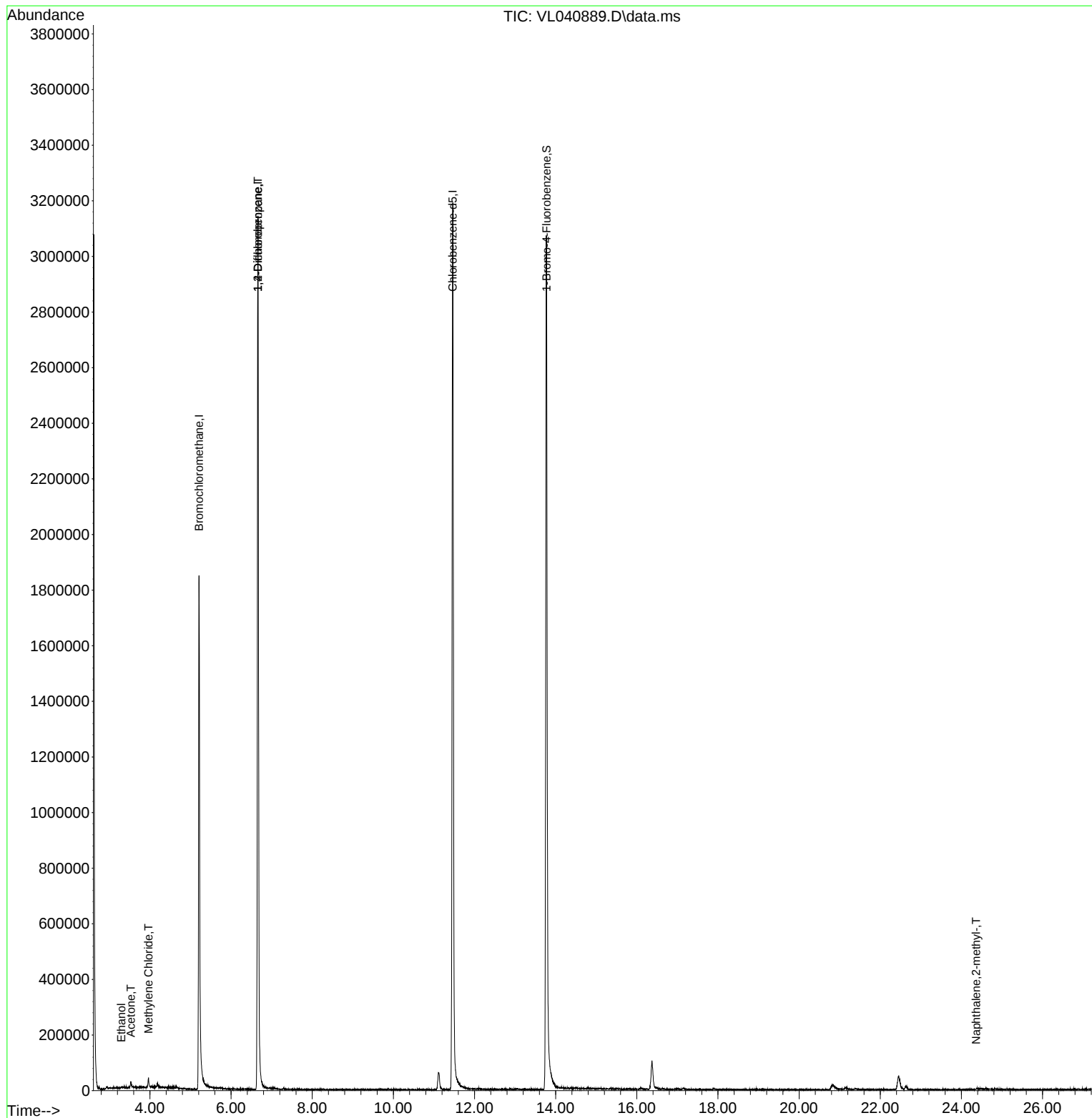
Internal Standards						
1) Bromochloromethane	5.211	49	959146	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2414058	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2066776	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1637329	10.119	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
13) Ethanol	3.295	45	488	0.049	ppbv #	100
15) Acetone	3.526	43	19902	0.195	ppbv #	80
20) Methylene Chloride	3.964	84	7433	0.176	ppbv #	77
39) 1,2-Dichloropropane	6.658	63	620164	7.983	ppbv #	23
80) Naphthalene,2-methyl-	24.365	142	2577	0.120	ppbv #	38

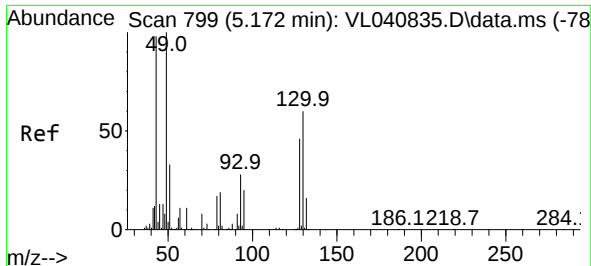
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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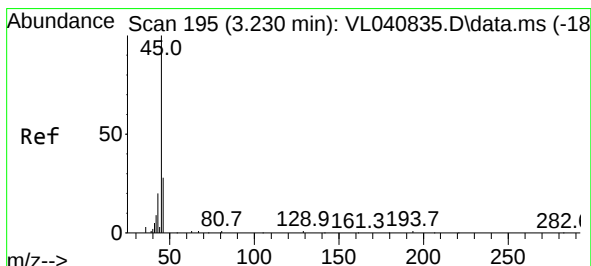
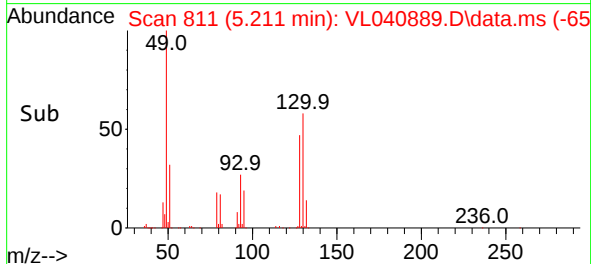
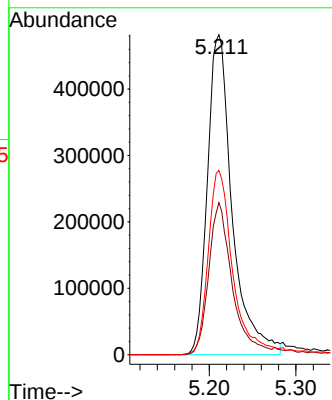
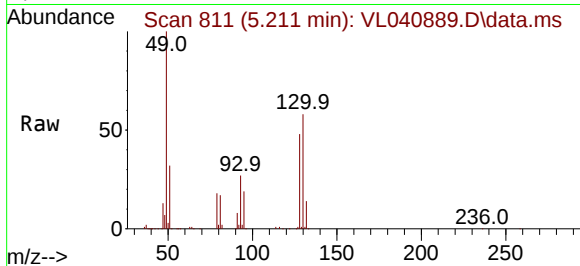




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

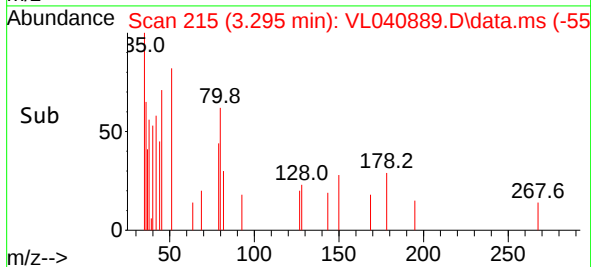
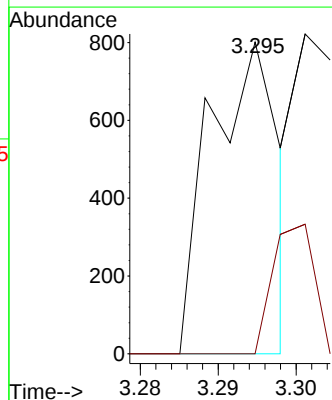
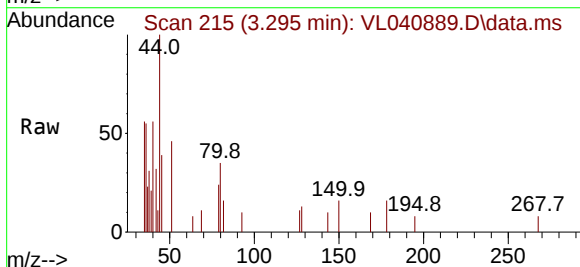
Instrument :
MSVOA_L
ClientSampleId :
VL1117ABL01

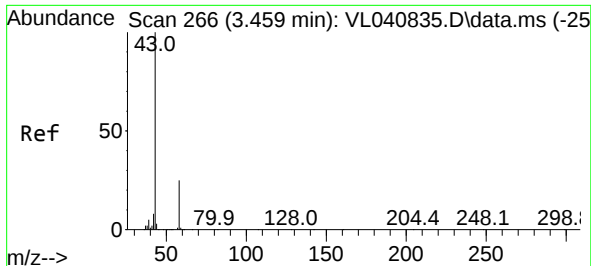
Tgt Ion: 49 Resp: 959146
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.2
130 59.3 30.9 92.8



#13
Ethanol
Concen: 0.049 ppbv
RT: 3.295 min Scan# 215
Delta R.T. 0.016 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

Tgt Ion: 45 Resp: 488
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0

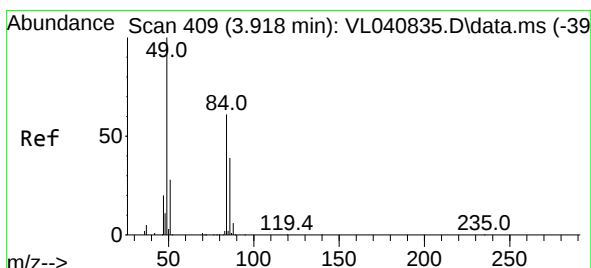
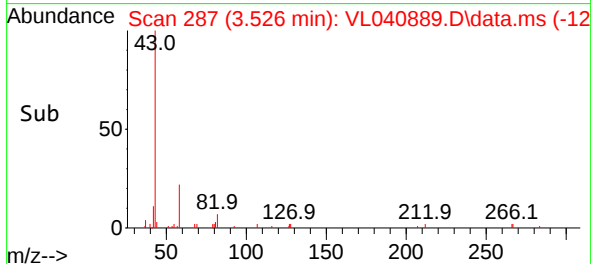
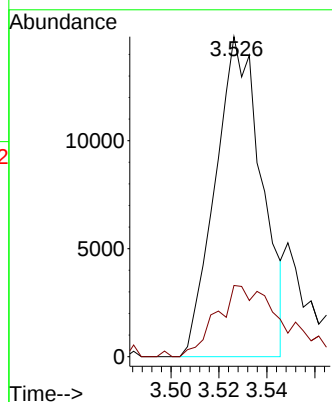
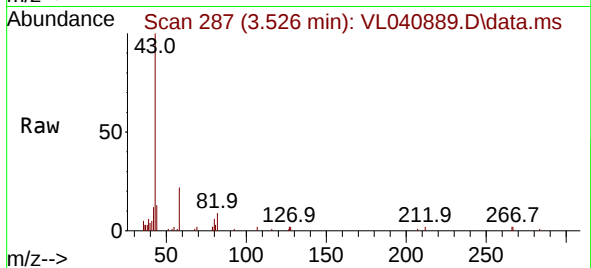




#15
Acetone
Concen: 0.195 ppbv
RT: 3.526 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

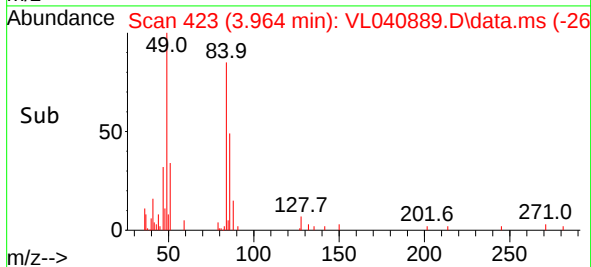
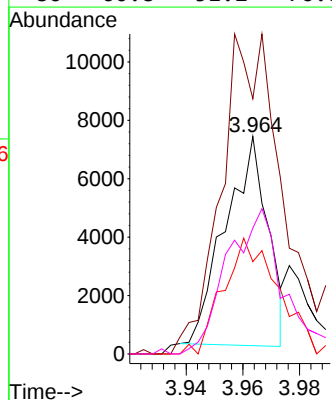
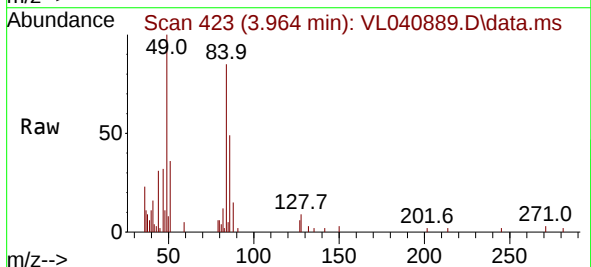
Instrument :
MSVOA_L
ClientSampleId :
VL1117ABL01

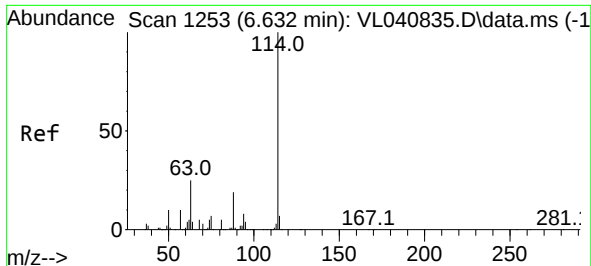
Tgt Ion: 43 Resp: 19902
Ion Ratio Lower Upper
43 100
58 36.3 20.9 31.3#



#20
Methylene Chloride
Concen: 0.176 ppbv
RT: 3.964 min Scan# 423
Delta R.T. -0.000 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

Tgt Ion: 84 Resp: 7433
Ion Ratio Lower Upper
84 100
49 115.2 131.0 196.4#
51 44.6 36.9 55.3
86 60.8 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040889.D

Acq: 17 Nov 2023 10:45

Instrument :

MSVOA_L

ClientSampleId :

VL1117ABL01

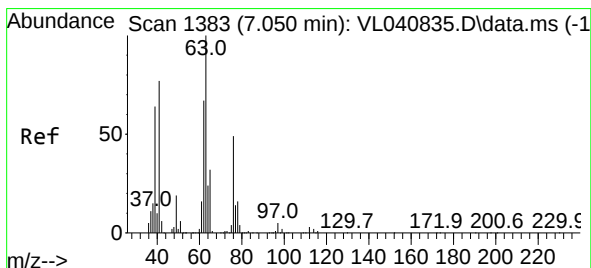
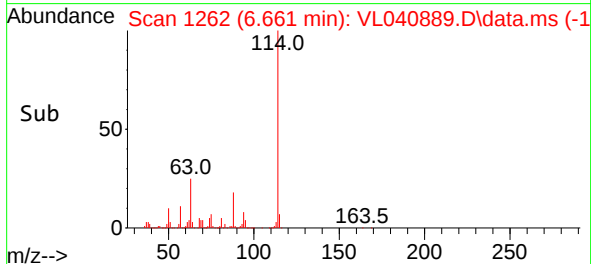
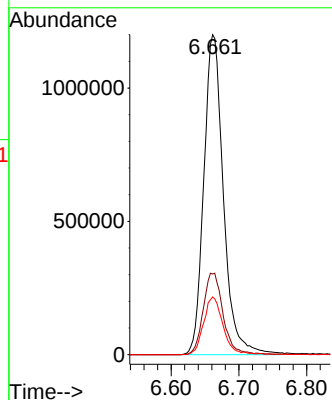
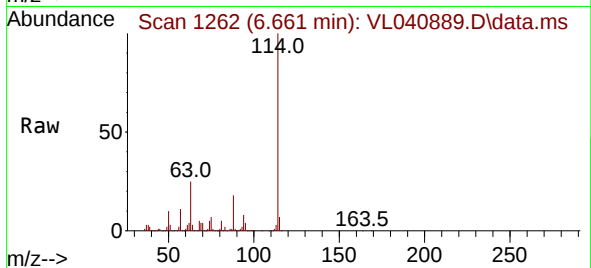
Tgt Ion:114 Resp: 2414058

Ion Ratio Lower Upper

114 100

63 26.2 20.9 31.3

88 18.0 14.3 21.5



#39

1,2-Dichloropropane

Concen: 7.983 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.425 min

Lab File: VL040889.D

Acq: 17 Nov 2023 10:45

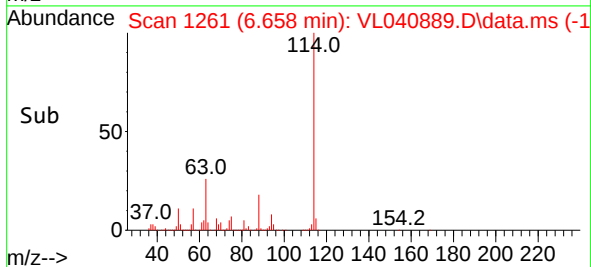
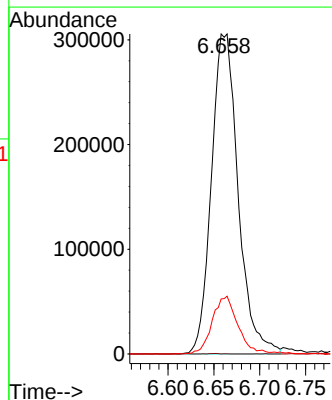
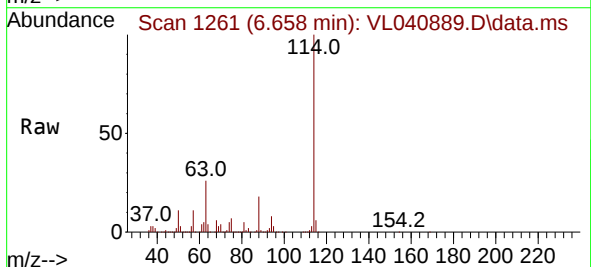
Tgt Ion: 63 Resp: 620164

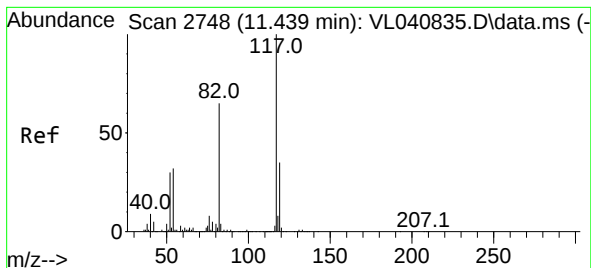
Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.1 53.9 80.9#

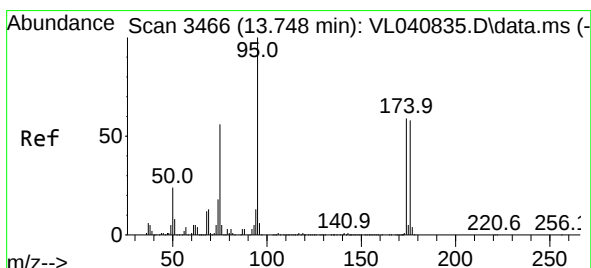
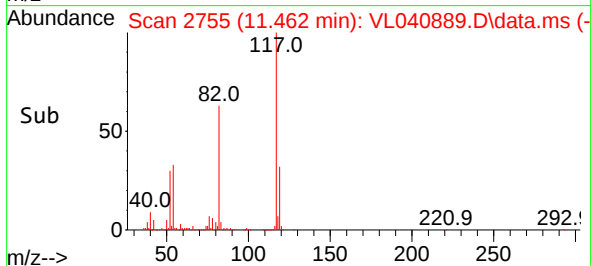
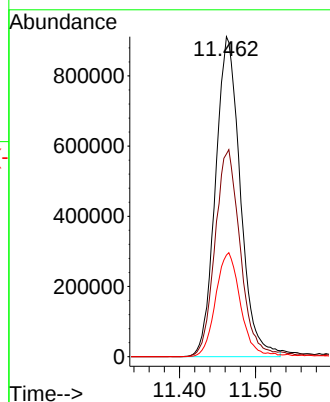
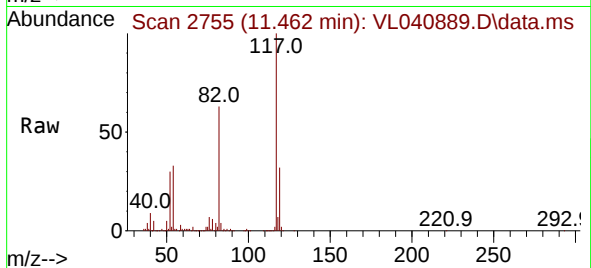




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

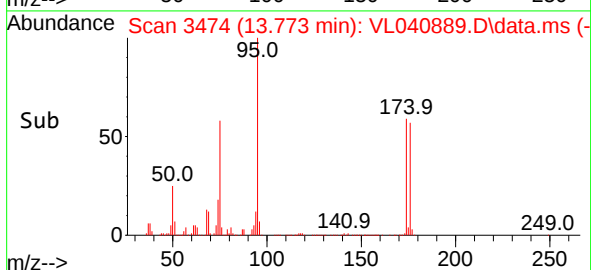
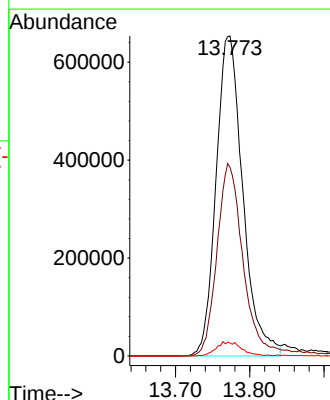
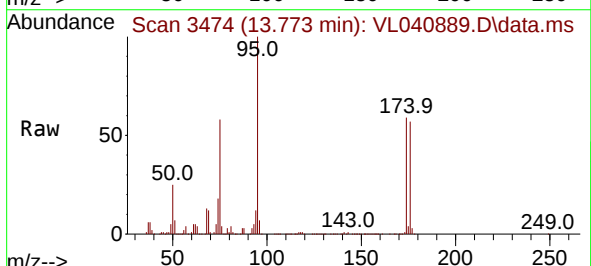
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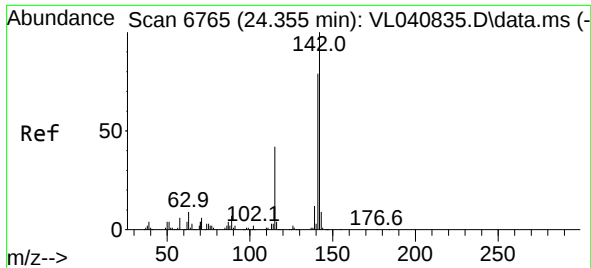
Tgt Ion:117 Resp: 2066776
Ion Ratio Lower Upper
117 100
82 67.8 50.6 75.8
119 33.3 23.3 34.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.119 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. 0.003 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

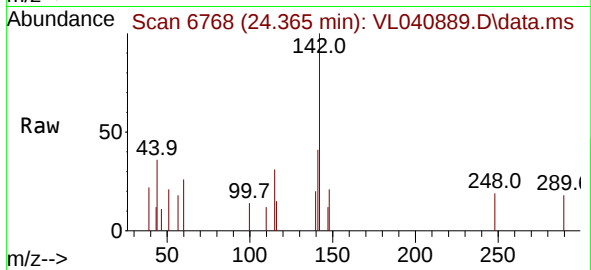
Tgt Ion: 95 Resp: 1637329
Ion Ratio Lower Upper
95 100
174 60.8 47.5 71.3
175 4.2 3.6 5.4





#80
Naphthalene, 2-methyl-
Concen: 0.120 ppbv
RT: 24.365 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL040889.D
Acq: 17 Nov 2023 10:45

Instrument :
MSVOA_L
ClientSampleId :
VL1117ABL01



Tgt Ion: 142 Resp: 2577
Ion Ratio Lower Upper
142 100
141 0.0 65.8 98.8#
115 49.7 35.6 53.4

