

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041954.D
 Acq On : 27 Jan 2025 16:11
 Operator : SY/MD
 Sample : QC012125 CAN 10268
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 02:39:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

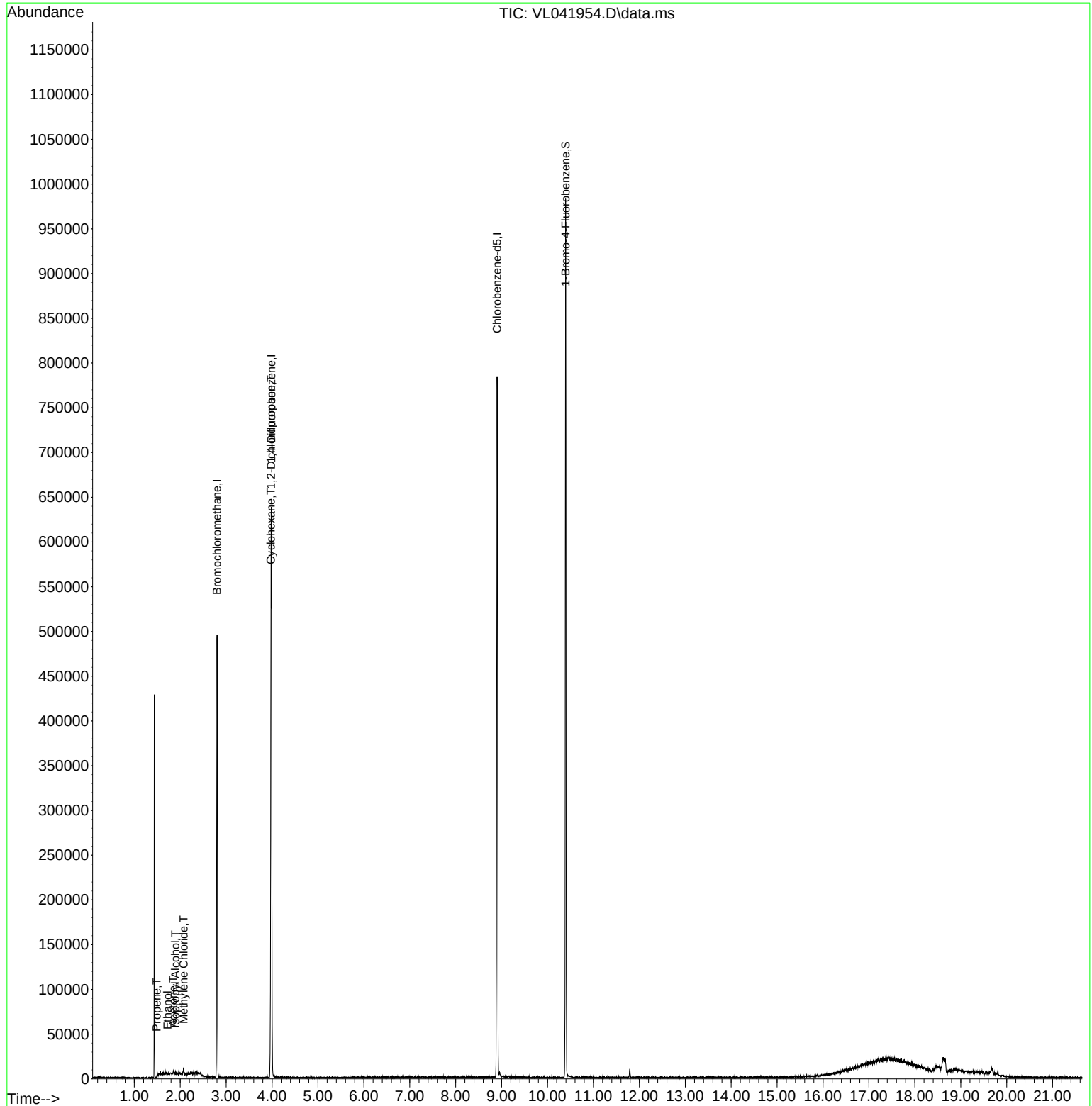
Internal Standards						
1) Bromochloromethane	2.800	49	136962	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	367356	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	317099	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	238739	9.559	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	398	0.049	ppbv	89
13) Ethanol	1.722	45	80	0.136	ppbv #	31
15) Acetone	1.845	43	1579	0.096	ppbv #	81
19) Isopropyl Alcohol	1.894	45	942	0.097	ppbv #	50
20) Methylene Chloride	2.072	84	984	0.151	ppbv #	84
30) Cyclohexane	3.975	84	1201	0.079	ppbv #	1
39) 1,2-Dichloropropane	3.978	63	89702	7.590	ppbv #	22

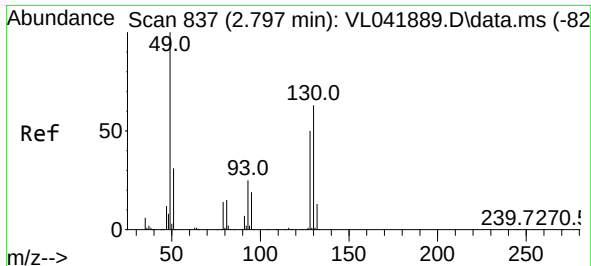
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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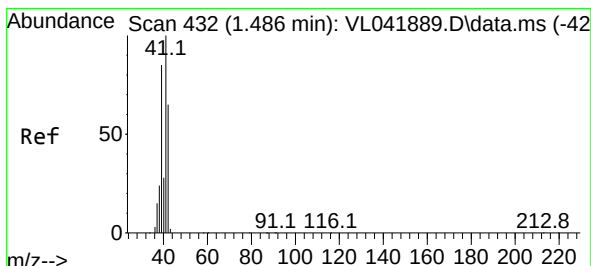
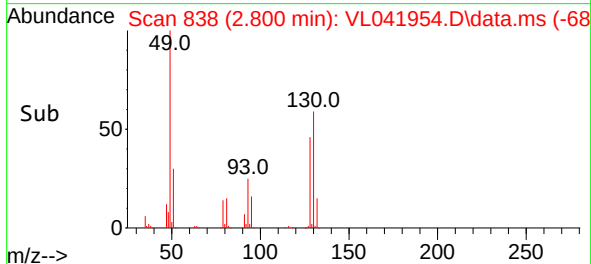
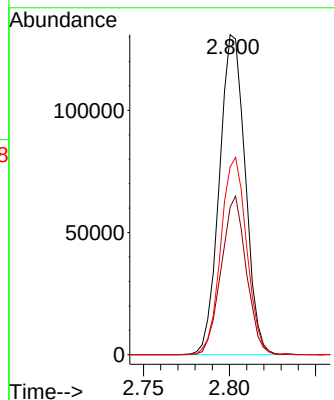
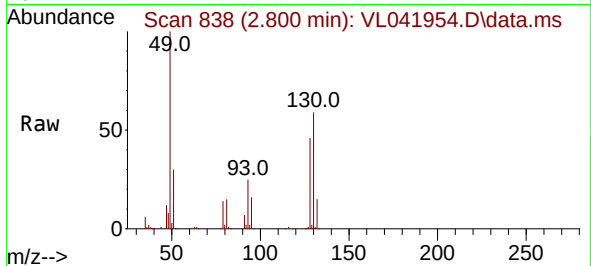




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

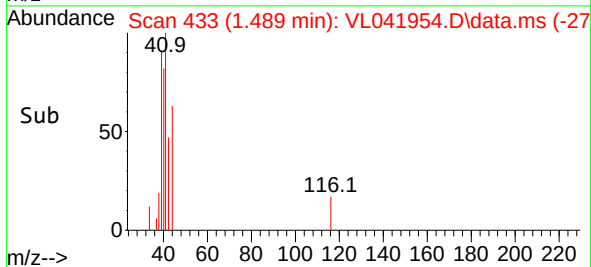
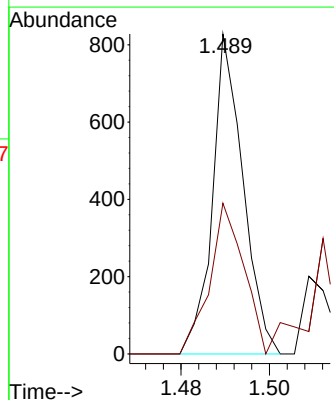
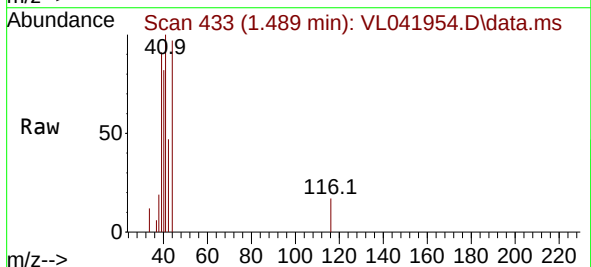
Instrument :
MSVOA_L
ClientSampleId :

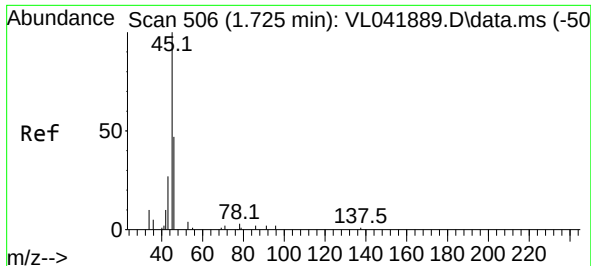
Tgt Ion: 49 Resp: 136962
Ion Ratio Lower Upper
49 100
128 47.9 24.3 73.0
130 61.6 31.1 93.2



#9
Propene
Concen: 0.049 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.004 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

Tgt Ion: 41 Resp: 398
Ion Ratio Lower Upper
41 100
42 56.3 52.0 78.0

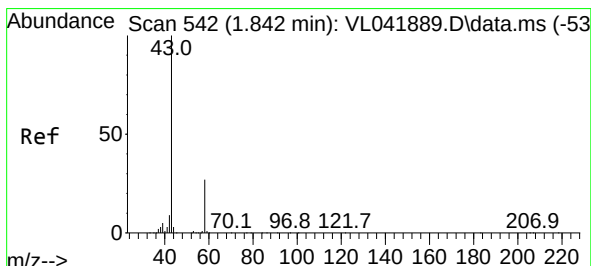
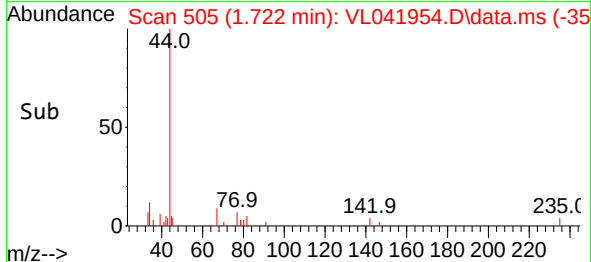
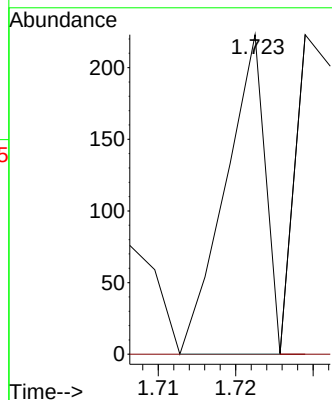
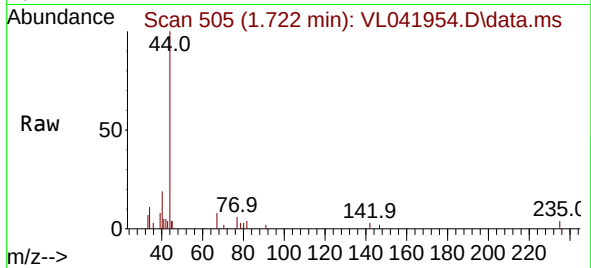




#13
Ethanol
Concen: 0.136 ppbv
RT: 1.722 min Scan# 506
Delta R.T. -0.003 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

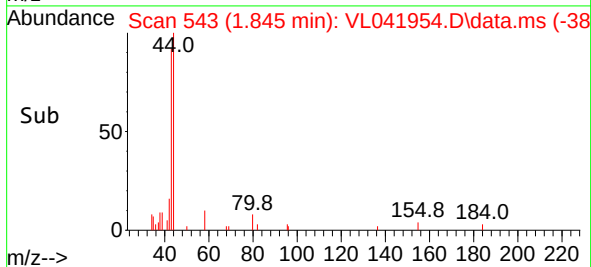
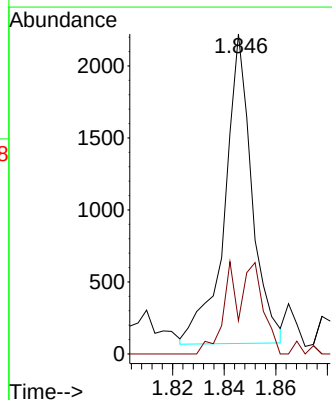
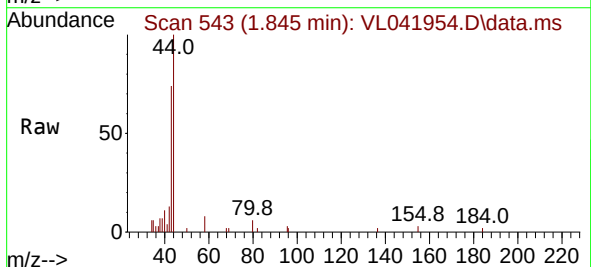
Instrument :
MSVOA_L
ClientSampleId :

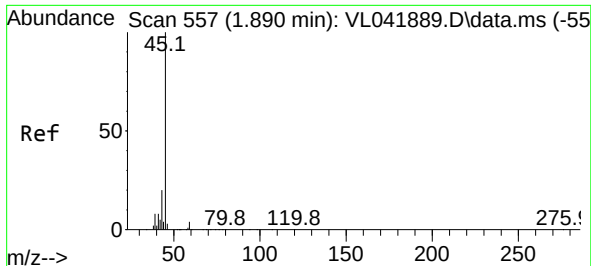
Tgt Ion: 45 Resp: 80
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#



#15
Acetone
Concen: 0.096 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.004 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 37.4 21.9 32.9#

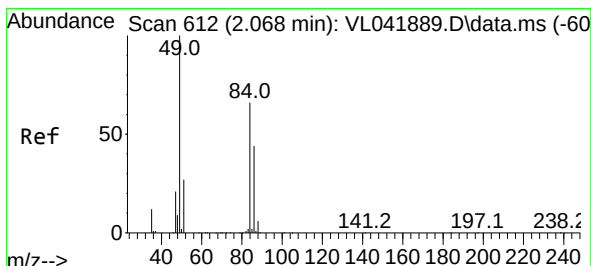
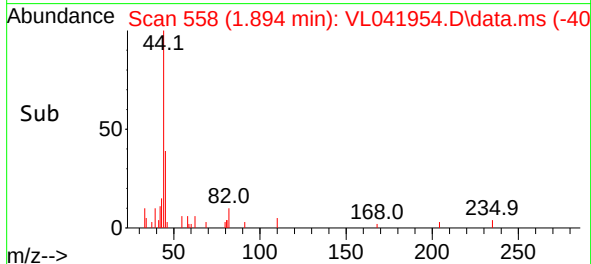
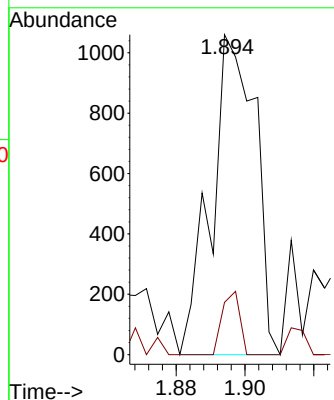
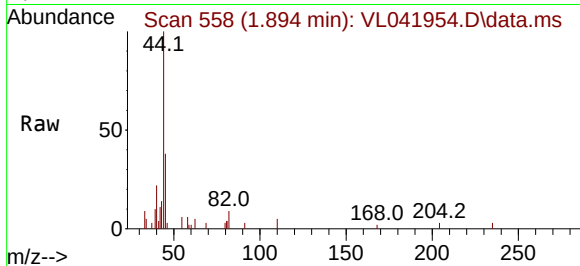




#19
Isopropyl Alcohol
Concen: 0.097 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.004 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

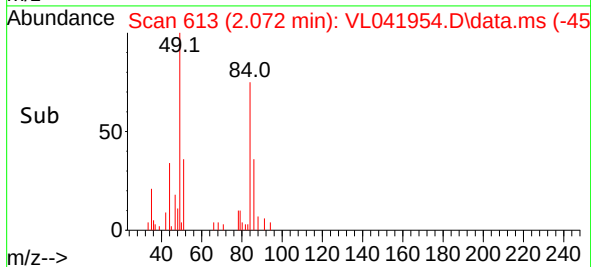
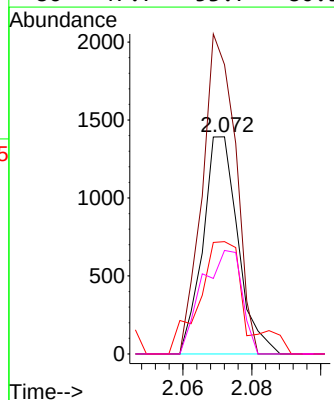
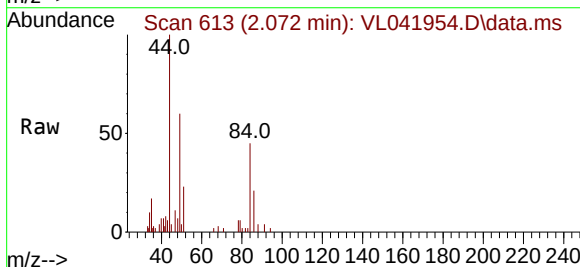
Instrument :
MSVOA_L
ClientSampleId :

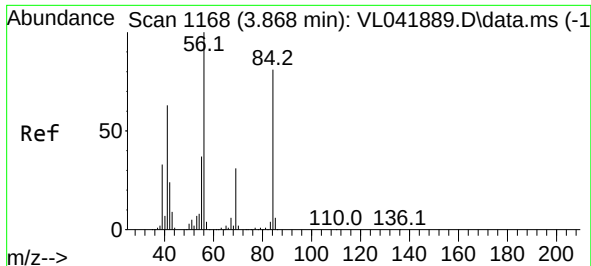
Tgt Ion: 45 Resp: 942
Ion Ratio Lower Upper
45 100
58 11.4 35.0 52.6#



#20
Methylene Chloride
Concen: 0.151 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.004 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

Tgt Ion: 84 Resp: 984
Ion Ratio Lower Upper
84 100
49 133.3 123.1 184.7
51 43.1 35.8 53.8
86 47.7 53.7 80.5#

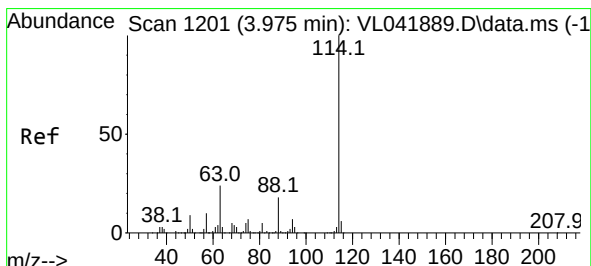
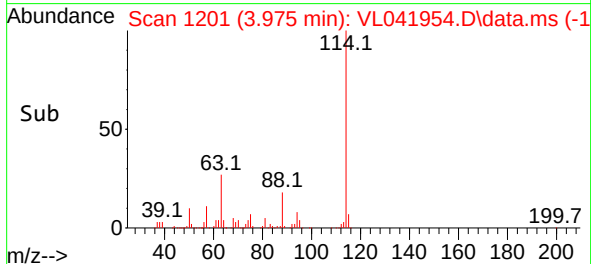
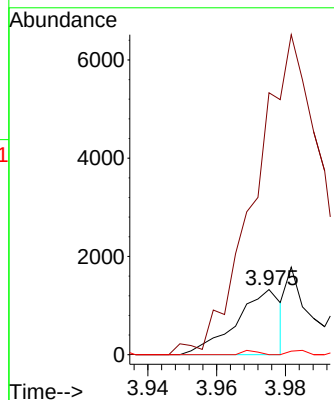
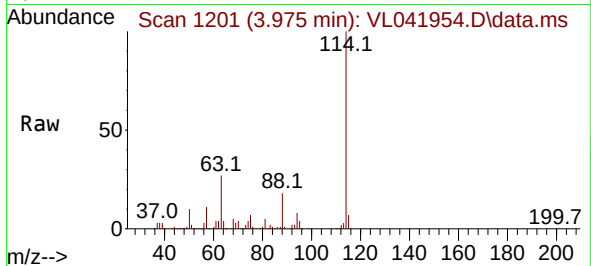




#30
Cyclohexane
Concen: 0.079 ppbv
RT: 3.975 min Scan# 1168
Delta R.T. 0.107 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

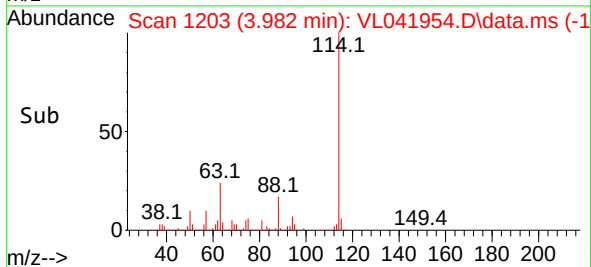
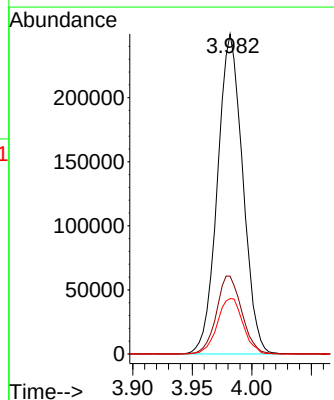
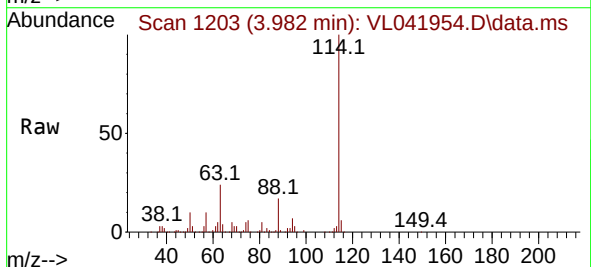
Instrument :
MSVOA_L
ClientSampleId :

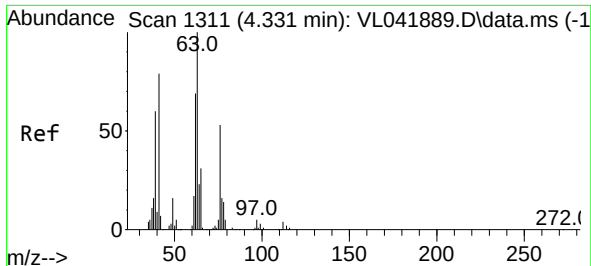
Tgt Ion: 84 Resp: 1201
Ion Ratio Lower Upper
84 100
56 0.0 99.3 148.9#
41 5.3 64.3 96.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1203
Delta R.T. 0.007 min
Lab File: VL041954.D
Acq: 27 Jan 2025 16:11

Tgt Ion: 114 Resp: 367356
Ion Ratio Lower Upper
114 100
63 24.4 19.8 29.6
88 17.7 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.590 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.352 min

Lab File: VL041954.D

Acq: 27 Jan 2025 16:11

Instrument :

MSVOA_L

ClientSampleId :

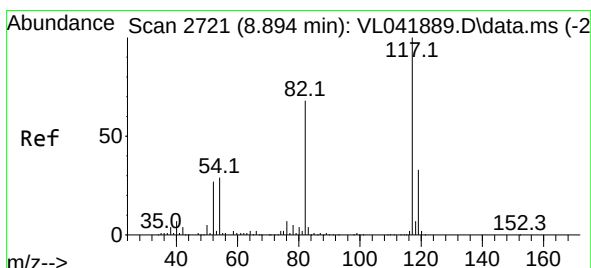
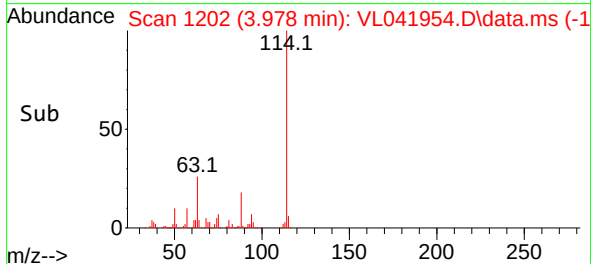
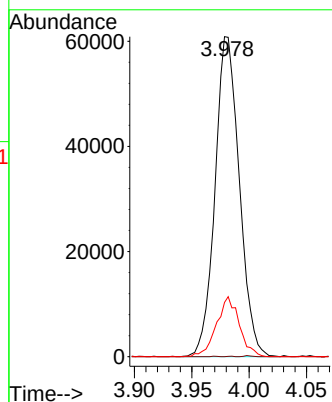
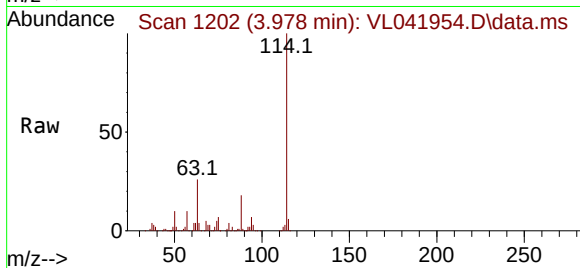
Tgt Ion: 63 Resp: 89702

Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 17.0 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2723

Delta R.T. 0.007 min

Lab File: VL041954.D

Acq: 27 Jan 2025 16:11

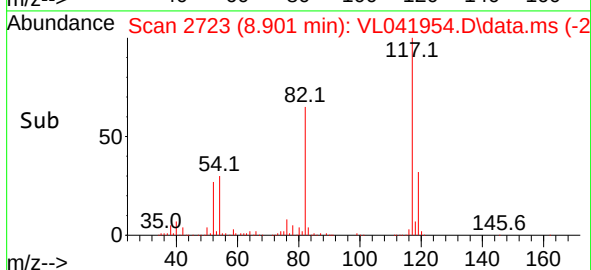
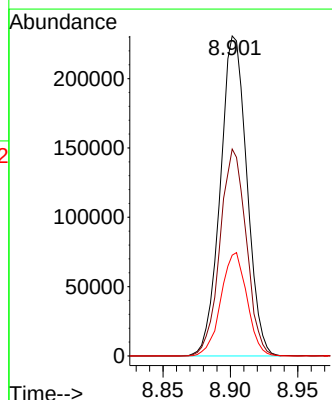
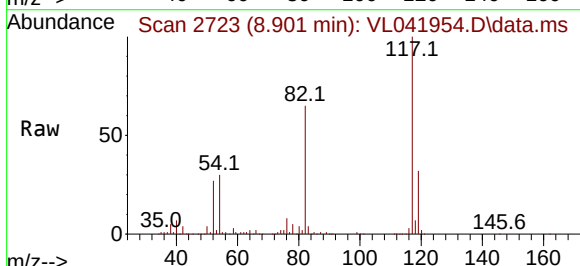
Tgt Ion: 117 Resp: 317099

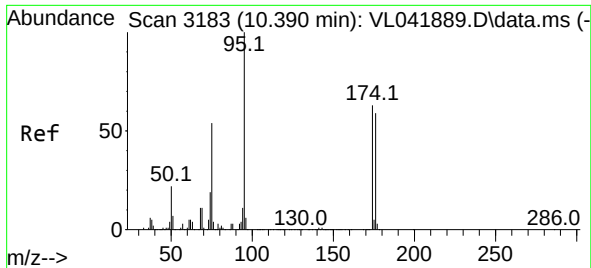
Ion Ratio Lower Upper

117 100

82 63.8 54.2 81.4

119 31.6 25.0 37.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.559 ppbv

RT: 10.393 min Scan# 31

Delta R.T. 0.004 min

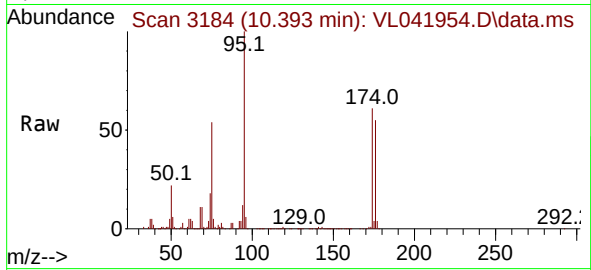
Lab File: VL041954.D

Acq: 27 Jan 2025 16:11

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 238739

Ion Ratio Lower Upper

95 100

174 59.2 49.0 73.4

175 4.5 3.8 5.8

