

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041978.D
 Acq On : 10 Feb 2025 09:24
 Operator : SY/MD
 Sample : VL00210ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 10 09:47:21 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)

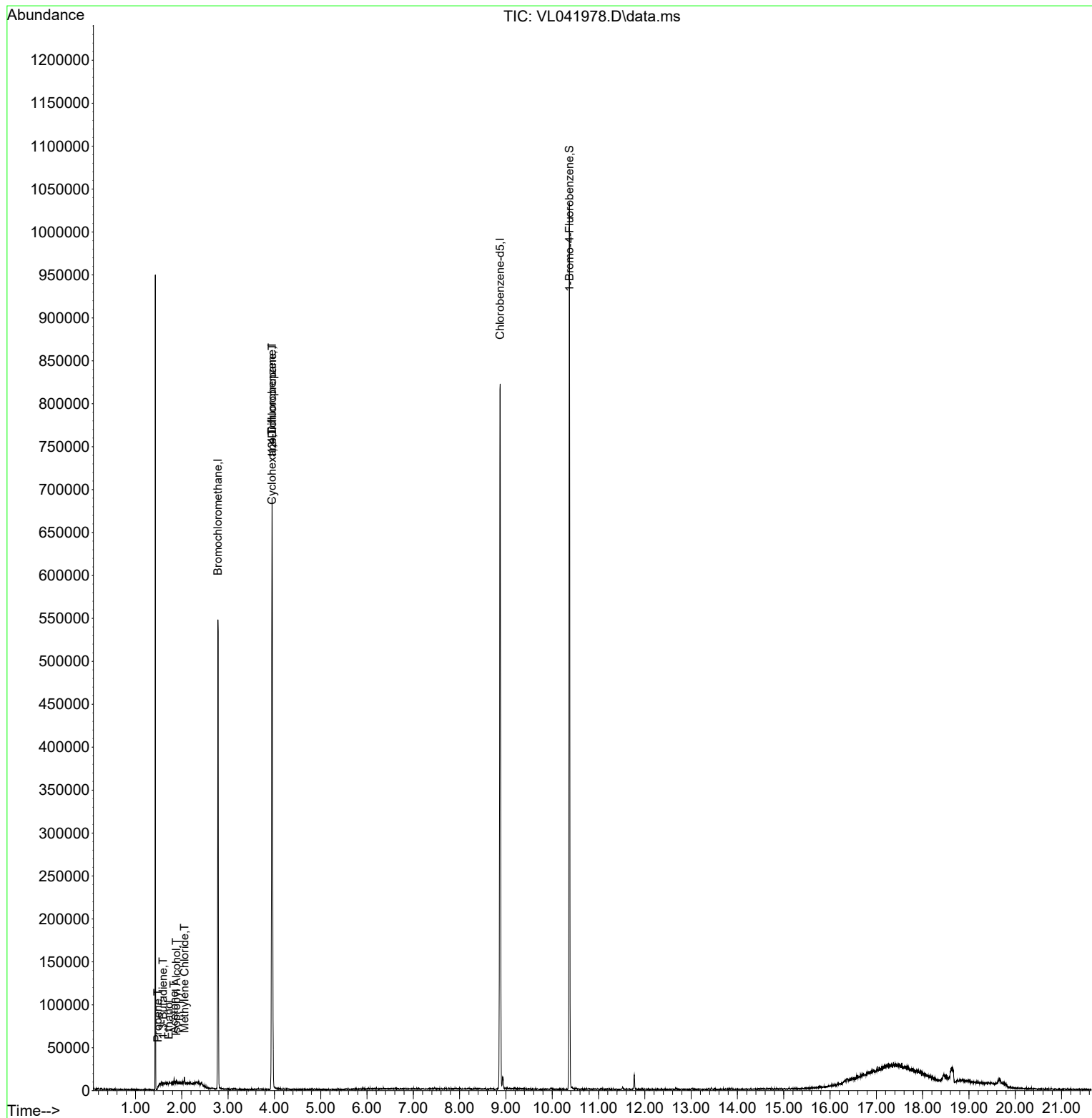
Internal Standards						
1) Bromochloromethane	2.781	49	155942	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	417063	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.875	117	341669	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	250739	9.317	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.200%
Target Compounds						
					Qvalue	
9) Propene	1.483	41	373	0.041	ppbv #	27
13) Ethanol	1.716	45	236	0.351	ppbv #	39
15) Acetone	1.832	43	2659	0.142	ppbv #	84
16) 1,3-Butadiene	1.596	39	311	0.037	ppbv #	11
19) Isopropyl Alcohol	1.884	45	1550	0.140	ppbv #	38
20) Methylene Chloride	2.059	84	972	0.131	ppbv #	72
30) Cyclohexane	3.946	84	2194	0.127	ppbv #	1
39) 1,2-Dichloropropane	3.952	63	101551	7.568	ppbv #	20

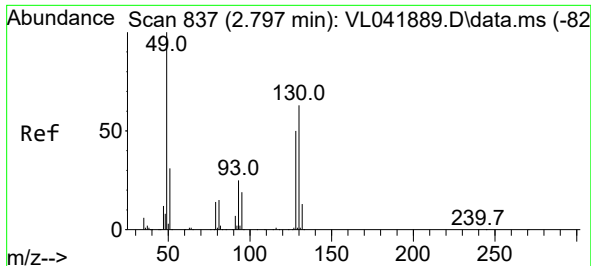
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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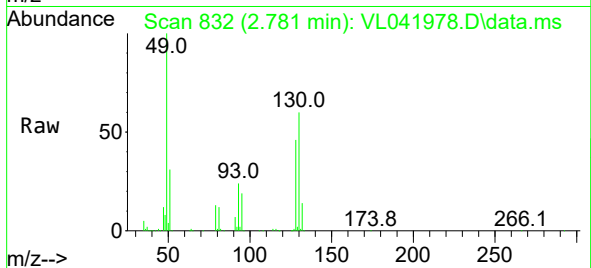
Quant Time: Feb 10 09:47:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
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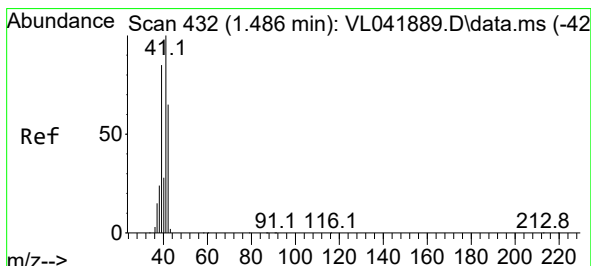
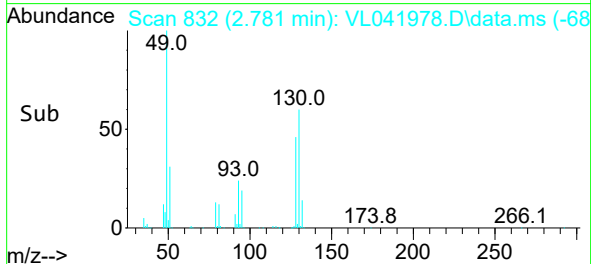
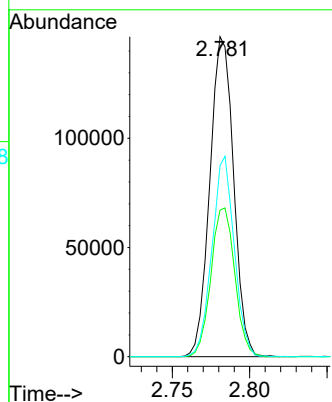


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Instrument :
MSVOA_L
ClientSampleId :

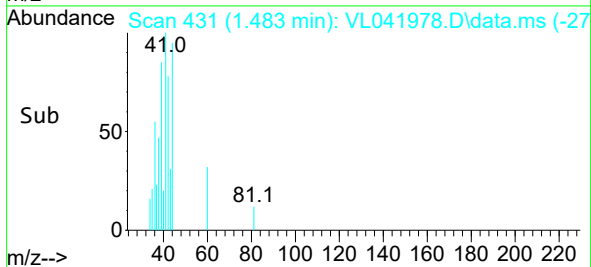
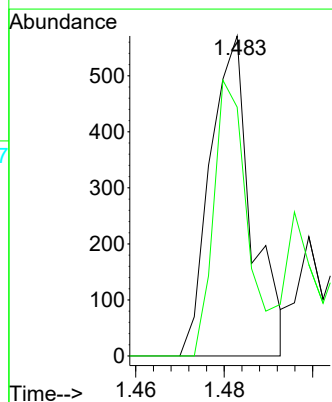
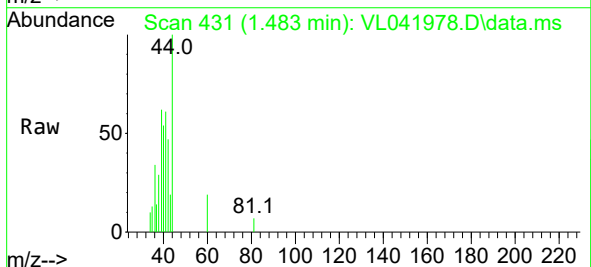


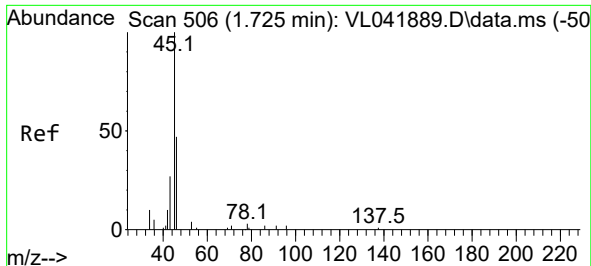
Tgt Ion: 49 Resp: 155942
Ion Ratio Lower Upper
49 100
128 46.7 24.3 73.0
130 58.9 31.1 93.2



#9
Propene
Concen: 0.041 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Tgt Ion: 41 Resp: 373
Ion Ratio Lower Upper
41 100
42 122.3 52.0 78.0#

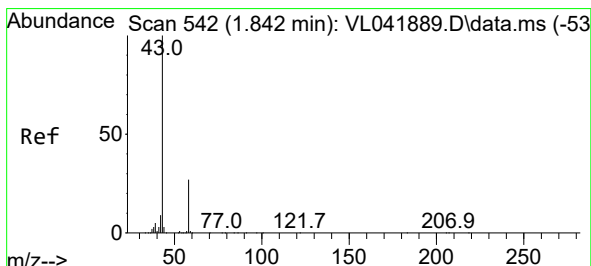
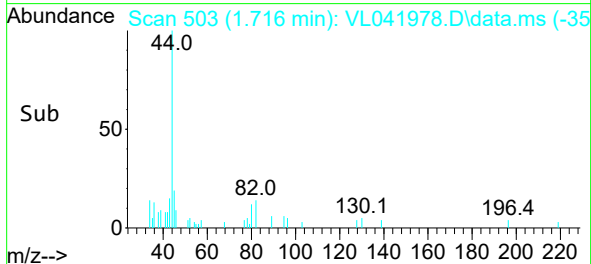
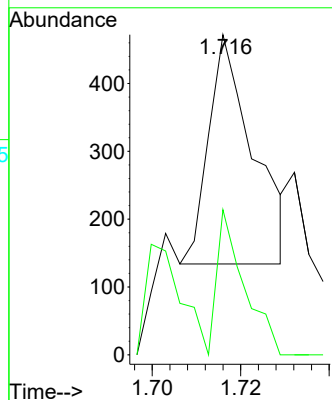
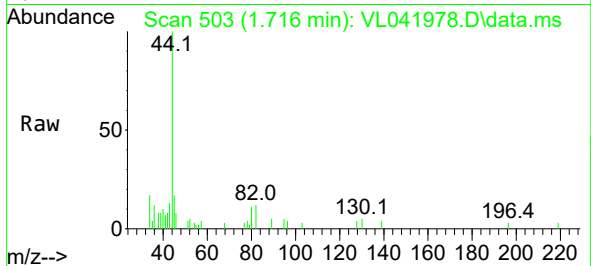




#13
Ethanol
Concen: 0.351 ppbv
RT: 1.716 min Scan# 506
Delta R.T. -0.009 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

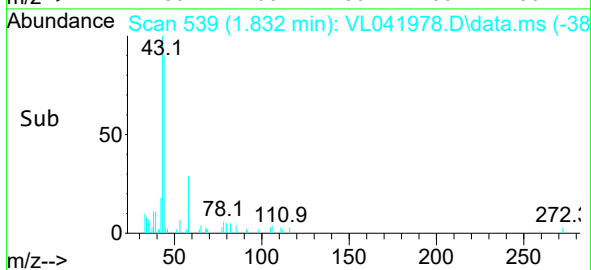
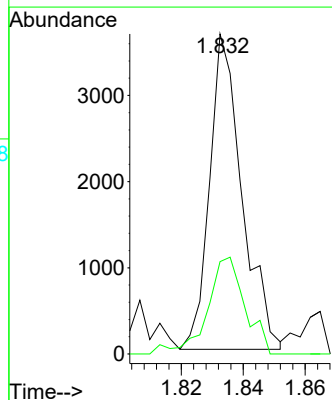
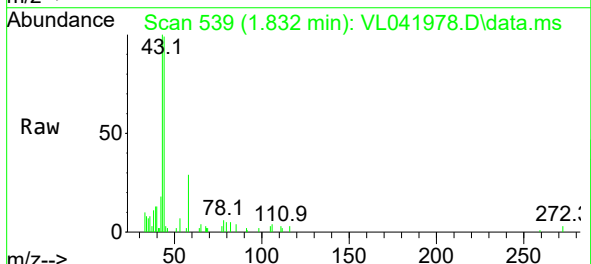
Instrument :
MSVOA_L
ClientSampleId :

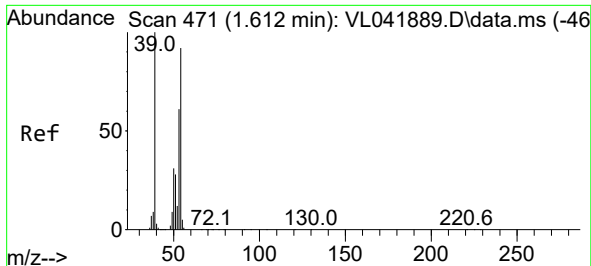
Tgt Ion: 45 Resp: 236
Ion Ratio Lower Upper
45 100
46 85.6 18.1 72.5#



#15
Acetone
Concen: 0.142 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.009 min
Lab File: VL041978.D
Acq: 10 Feb 2025 09:24

Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 35.7 21.9 32.9#





#16

1,3-Butadiene

Concen: 0.037 ppbv

RT: 1.596 min Scan# 4

Delta R.T. -0.016 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

Instrument :

MSVOA_L

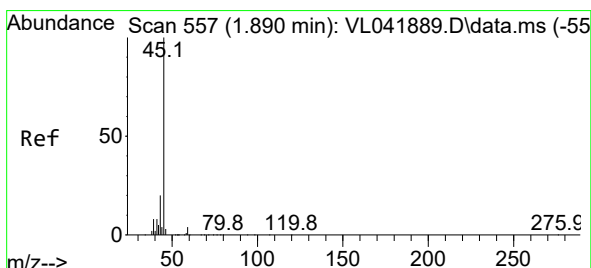
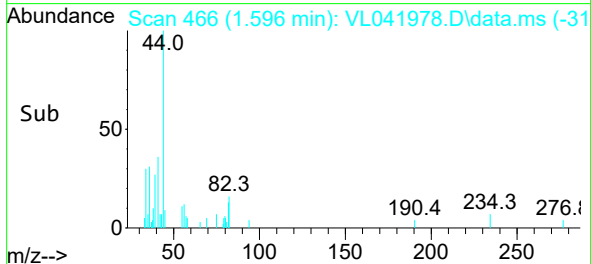
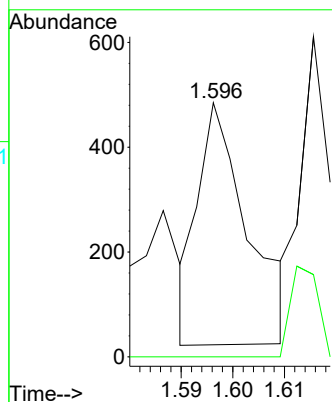
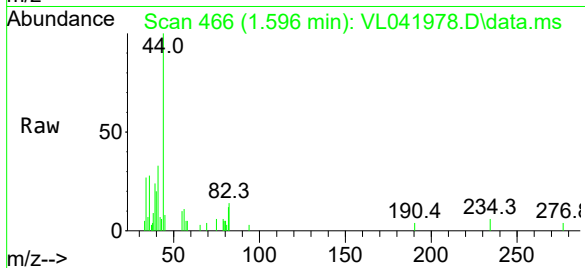
ClientSampleId :

Tgt Ion: 39 Resp: 311

Ion Ratio Lower Upper

39 100

54 0.0 61.6 92.4#



#19

Isopropyl Alcohol

Concen: 0.140 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.006 min

Lab File: VL041978.D

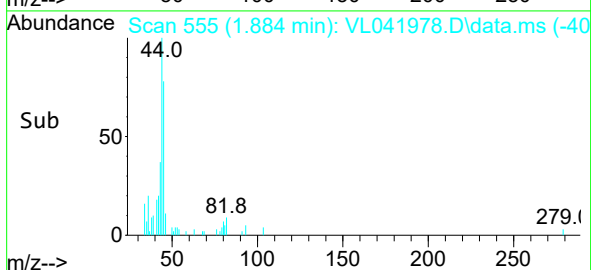
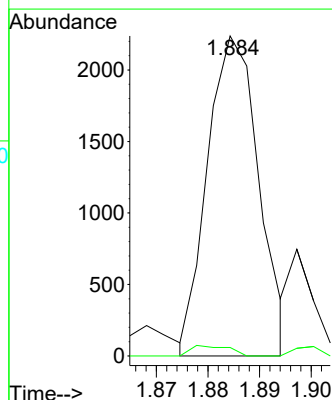
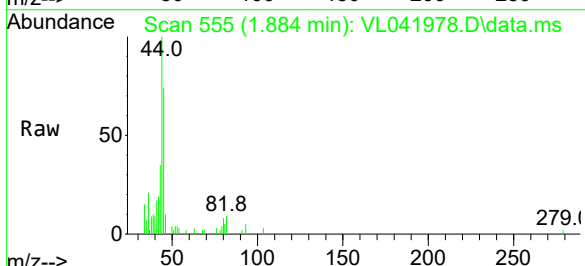
Acq: 10 Feb 2025 09:24

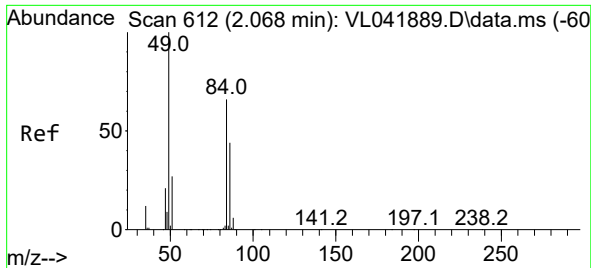
Tgt Ion: 45 Resp: 1550

Ion Ratio Lower Upper

45 100

58 3.9 35.0 52.6#





#20

Methylene Chloride

Concen: 0.131 ppbv

RT: 2.059 min Scan# 61

Delta R.T. -0.009 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 972

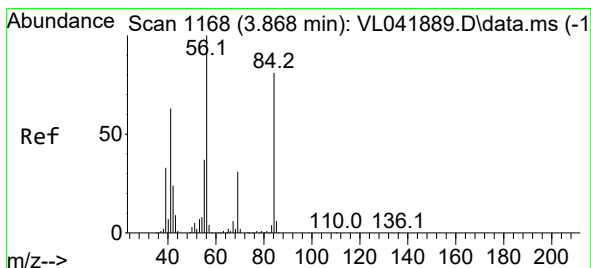
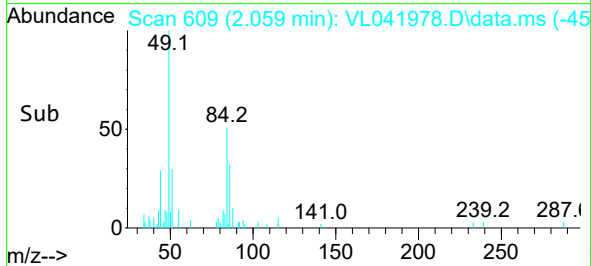
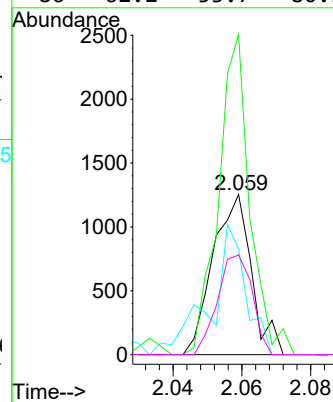
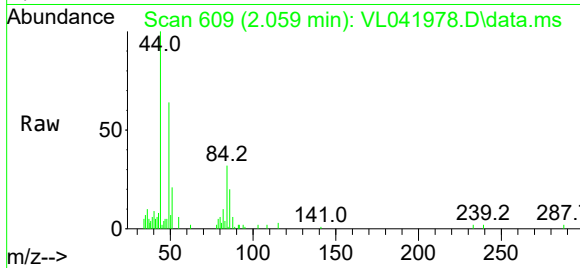
Ion Ratio Lower Upper

84 100

49 199.8 123.1 184.7#

51 66.0 35.8 53.8#

86 62.2 53.7 80.5



#30

Cyclohexane

Concen: 0.127 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. 0.078 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

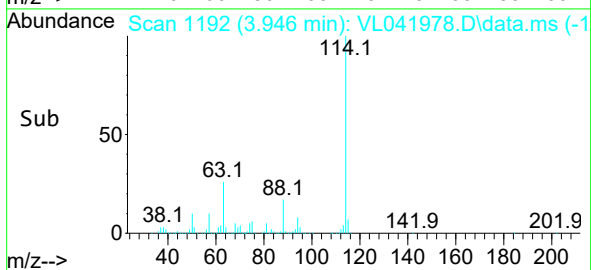
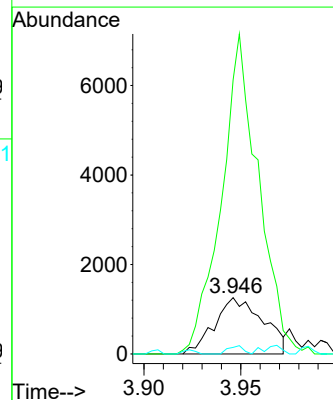
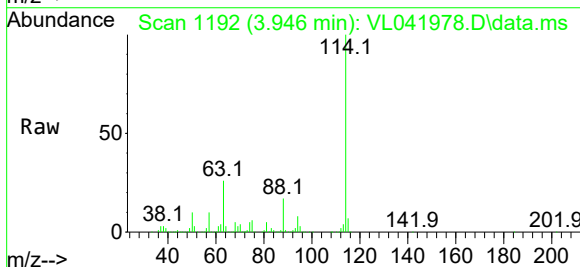
Tgt Ion: 84 Resp: 2194

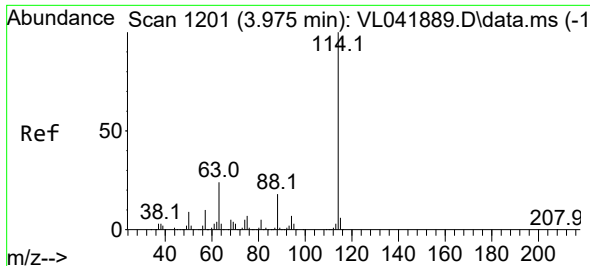
Ion Ratio Lower Upper

84 100

56 435.8 99.3 148.9#

41 7.2 64.3 96.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.026 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

Instrument :

MSVOA_L

ClientSampleId :

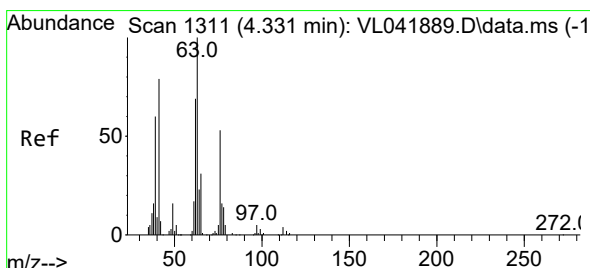
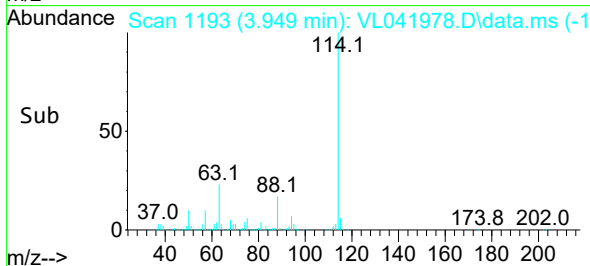
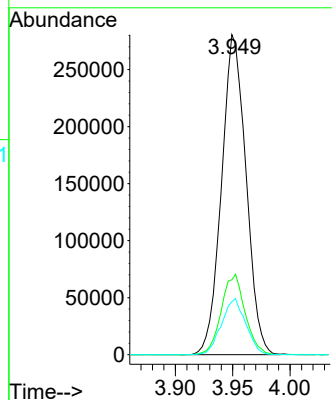
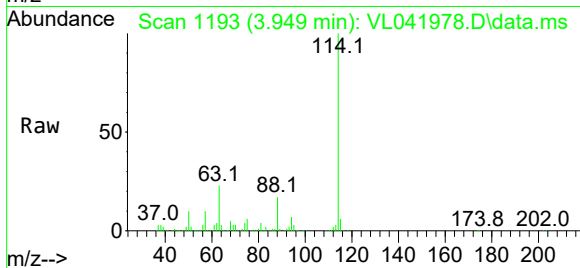
Tgt Ion:114 Resp: 417063

Ion Ratio Lower Upper

114 100

63 24.5 19.8 29.6

88 17.3 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.568 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.378 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

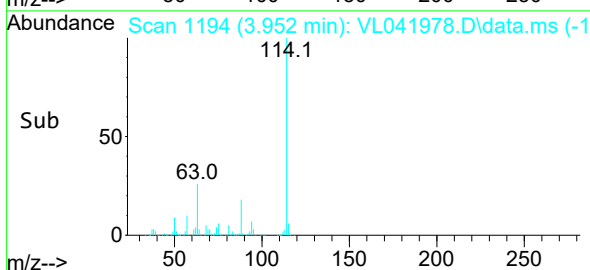
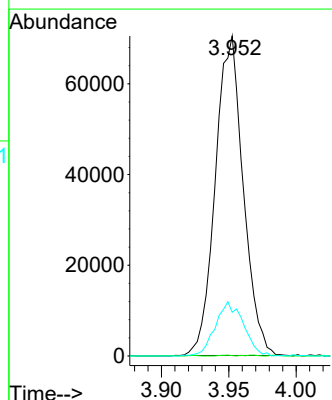
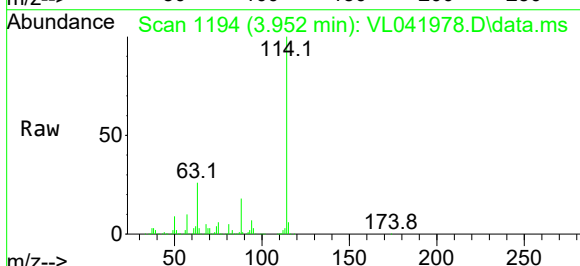
Tgt Ion: 63 Resp: 101551

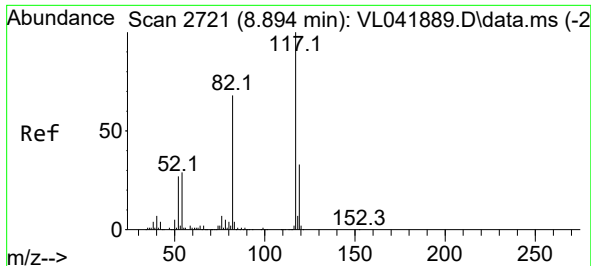
Ion Ratio Lower Upper

63 100

41 0.1 63.7 95.5#

62 13.7 55.4 83.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

Instrument :

MSVOA_L

ClientSampleId :

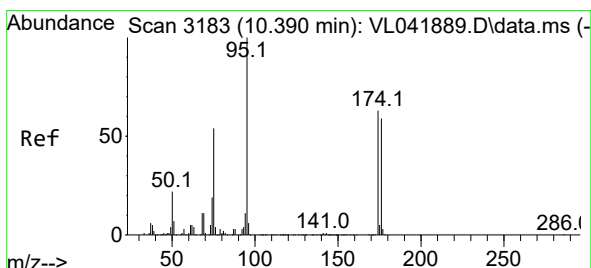
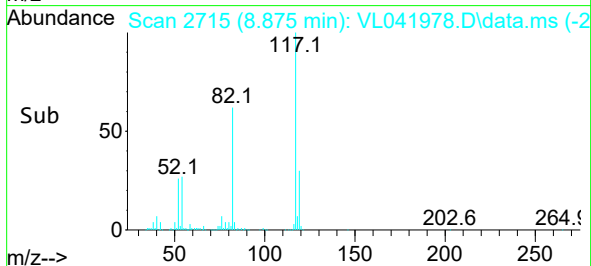
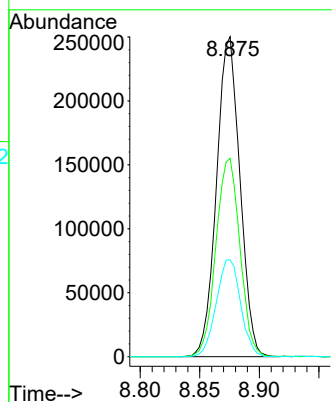
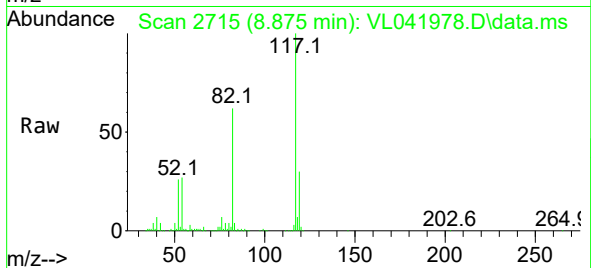
Tgt Ion:117 Resp: 341669

Ion Ratio Lower Upper

117 100

82 63.5 54.2 81.4

119 31.6 25.0 37.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.317 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.019 min

Lab File: VL041978.D

Acq: 10 Feb 2025 09:24

Tgt Ion: 95 Resp: 250739

Ion Ratio Lower Upper

95 100

174 60.2 49.0 73.4

175 4.7 3.8 5.8

