

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042078.D
 Acq On : 03 Mar 2025 15:52
 Operator : SY/MD
 Sample : QC022725 CAN 10331
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC022725 CAN 10331

Quant Time: Mar 04 00:18:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

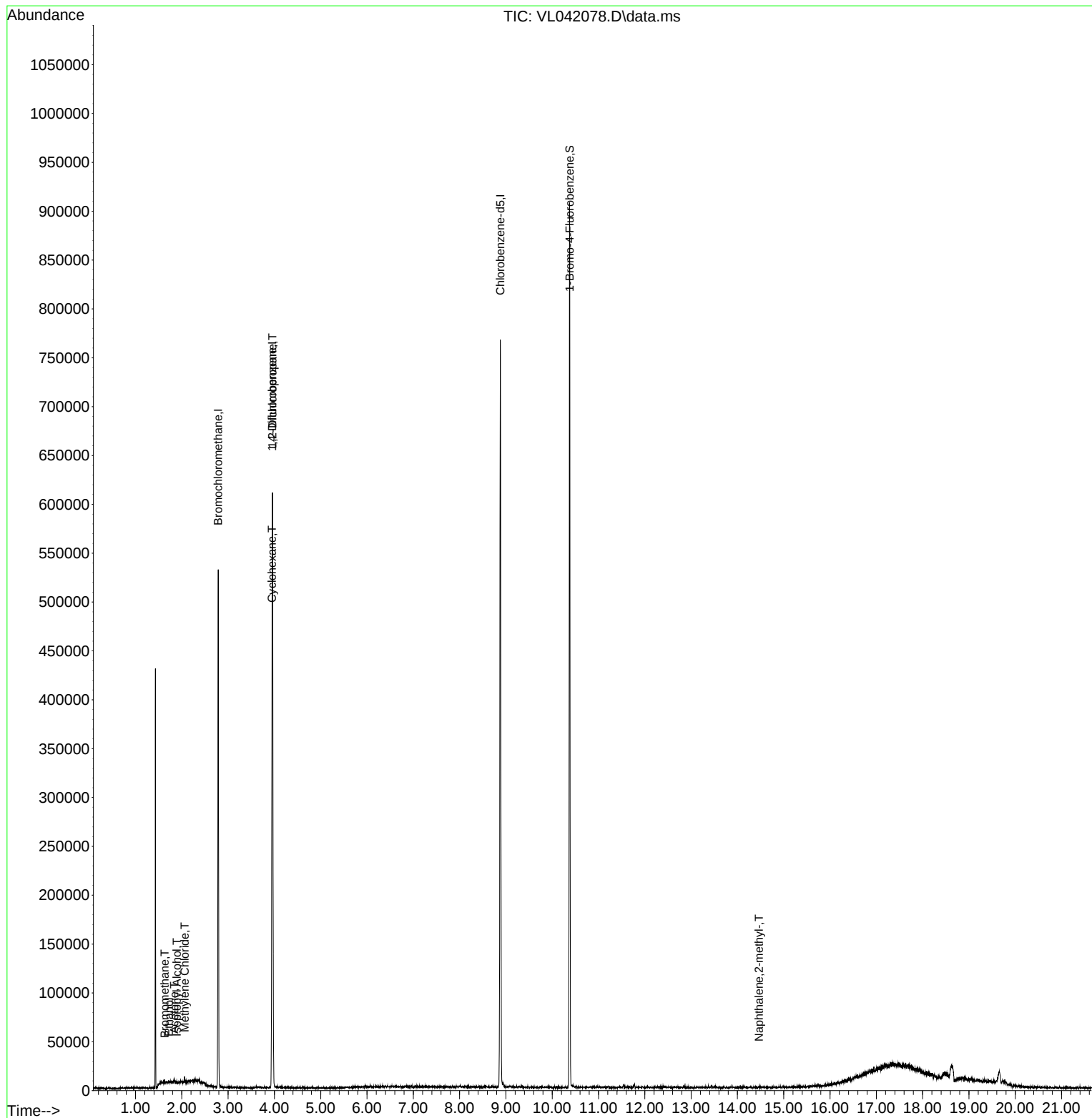
Internal Standards						
1) Bromochloromethane	2.787	49	158432	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	355709	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	304769	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	223606	9.537	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
6) Bromomethane	1.628	94	86	0.031	ppbv #	2
13) Ethanol	1.722	45	197	0.331	ppbv #	33
15) Acetone	1.835	43	1837	0.131	ppbv	94
19) Isopropyl Alcohol	1.890	45	926	0.115	ppbv #	32
20) Methylene Chloride	2.062	84	932	0.176	ppbv	83
30) Cyclohexane	3.949	84	730	0.040	ppbv #	1
39) 1,2-Dichloropropane	3.959	63	96843	6.852	ppbv #	23
80) Naphthalene,2-methyl-	14.468	142	421	0.042	ppbv #	79

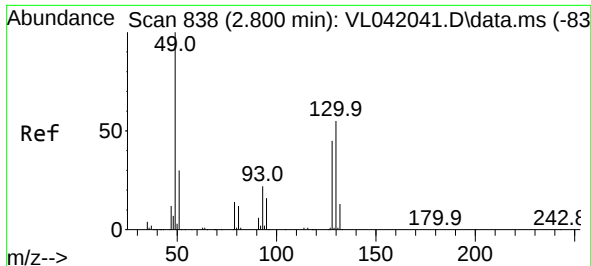
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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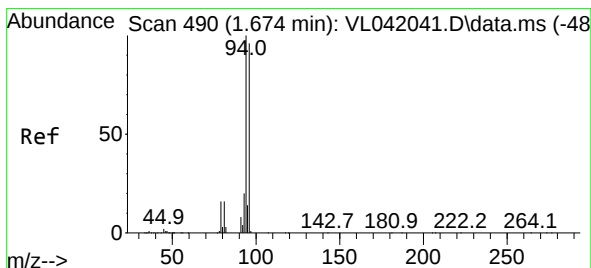
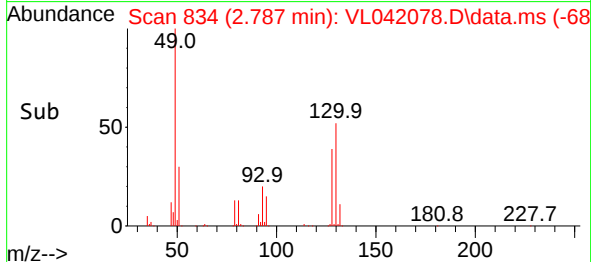
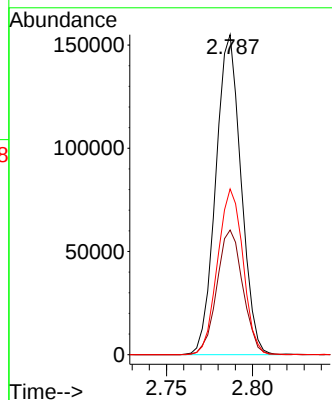
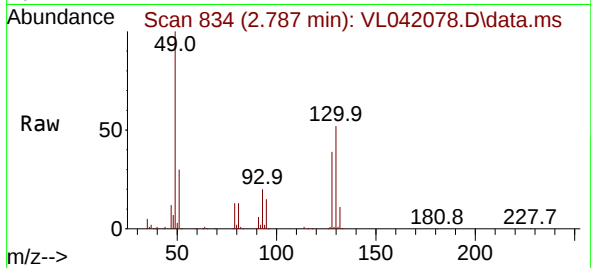




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

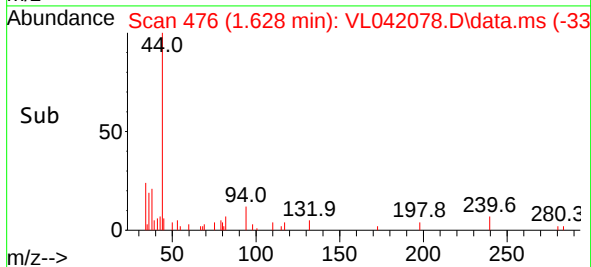
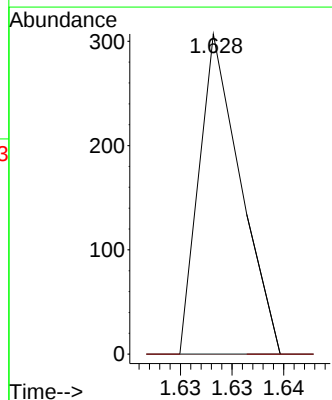
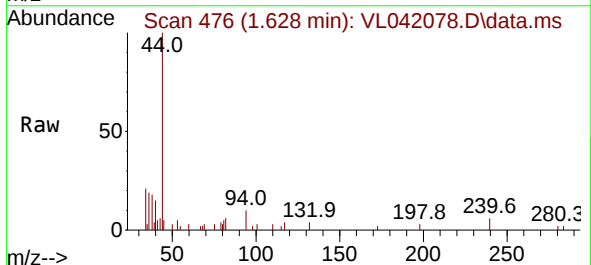
Instrument :
MSVOA_L
ClientSampleId :
QC022725 CAN 10331

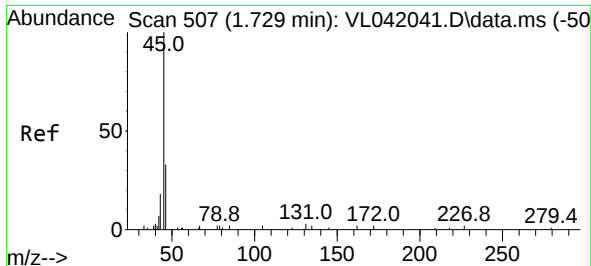
Tgt Ion: 49 Resp: 158432
Ion Ratio Lower Upper
49 100
128 40.1 21.6 64.8
130 52.1 27.8 83.4



#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.628 min Scan# 476
Delta R.T. -0.046 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

Tgt Ion: 94 Resp: 86
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#

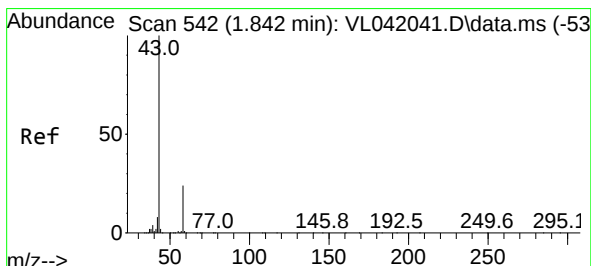
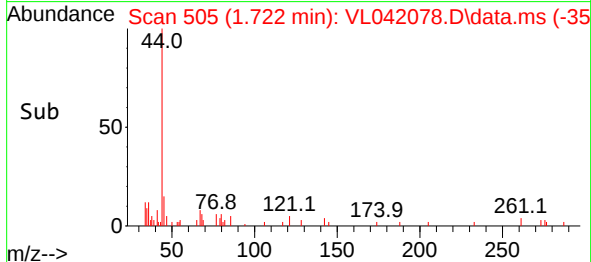
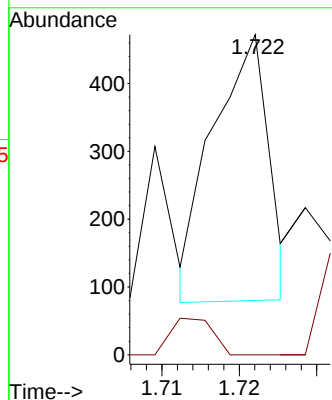
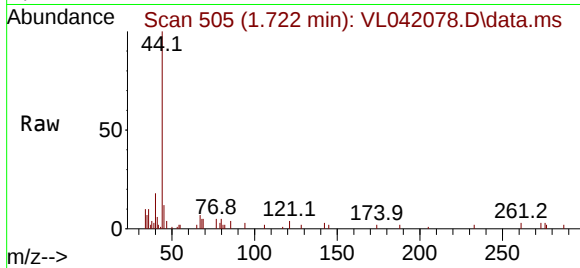




#13
Ethanol
Concen: 0.331 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.007 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

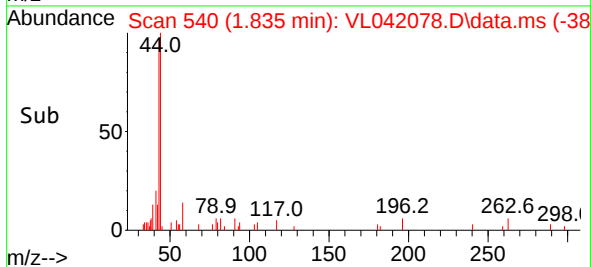
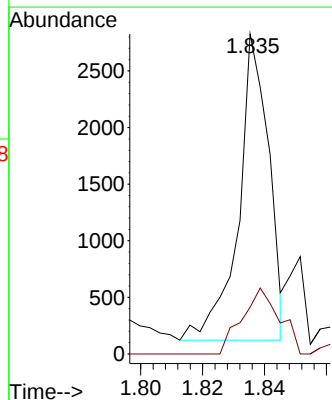
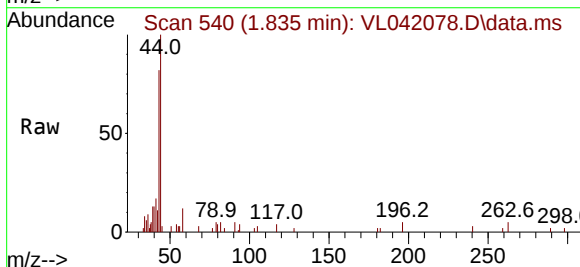
Instrument :
MSVOA_L
ClientSampleId :
QC022725 CAN 10331

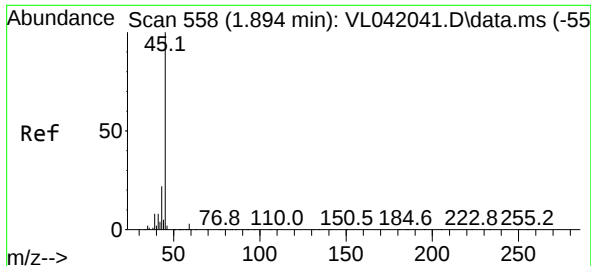
Tgt Ion: 45 Resp: 197
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.131 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
58 29.0 20.7 31.1





#19

Isopropyl Alcohol

Concen: 0.115 ppbv

RT: 1.890 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042078.D

Acq: 03 Mar 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

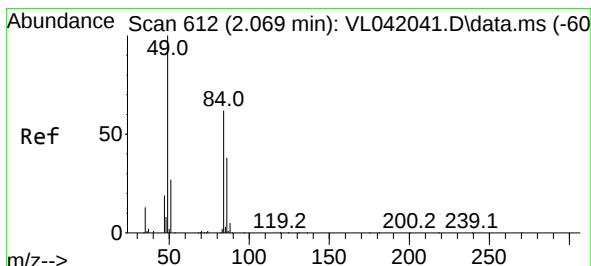
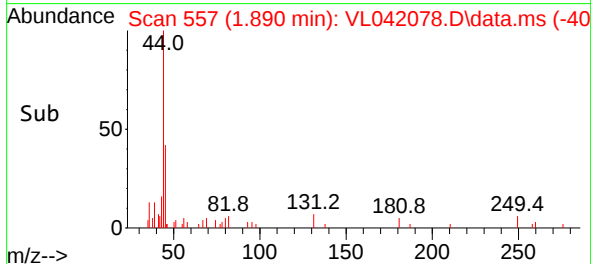
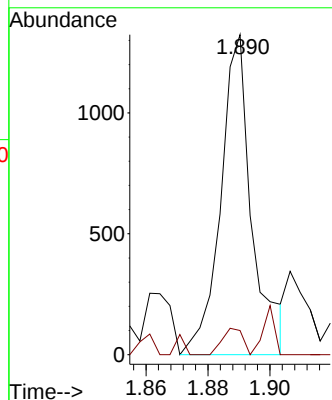
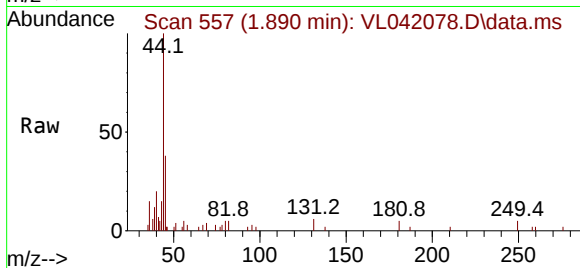
QC022725 CAN 10331

Tgt Ion: 45 Resp: 926

Ion Ratio Lower Upper

45 100

58 0.0 35.3 52.9#



#20

Methylene Chloride

Concen: 0.176 ppbv

RT: 2.062 min Scan# 610

Delta R.T. -0.007 min

Lab File: VL042078.D

Acq: 03 Mar 2025 15:52

Tgt Ion: 84 Resp: 932

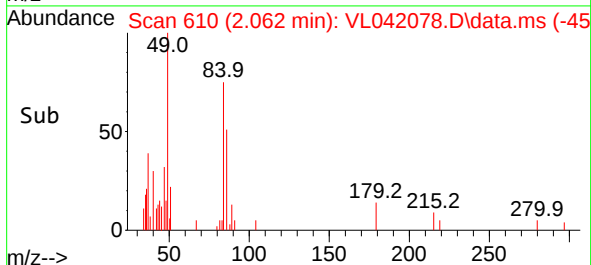
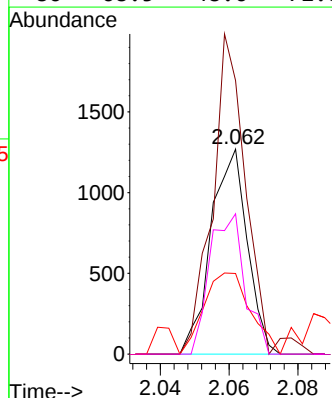
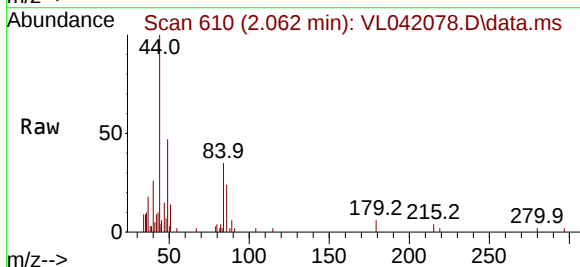
Ion Ratio Lower Upper

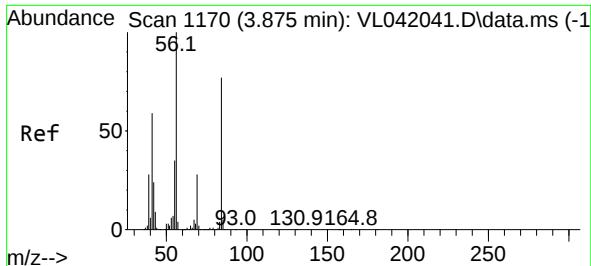
84 100

49 133.6 130.0 195.0

51 39.3 37.4 56.0

86 68.5 48.6 72.8

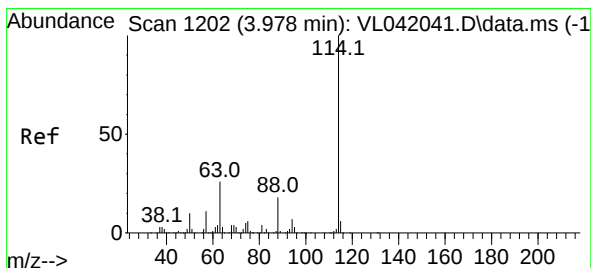
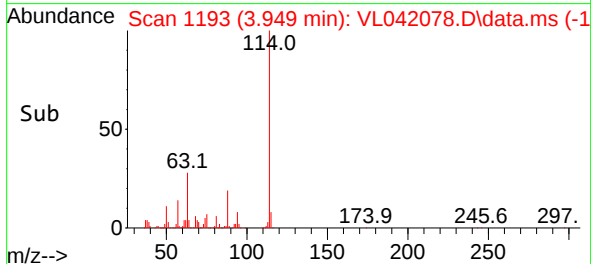
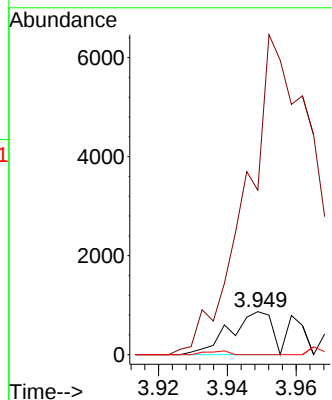
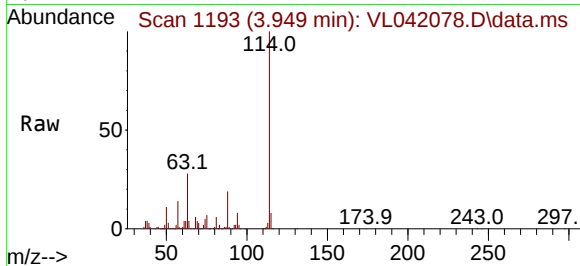




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 3.949 min Scan# 1170
Delta R.T. 0.074 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

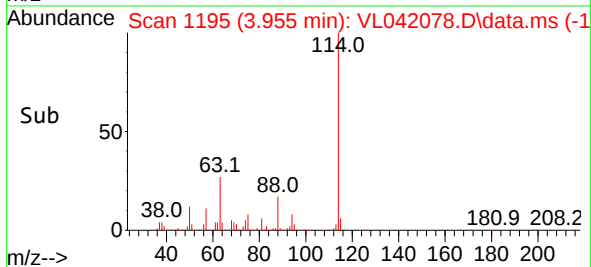
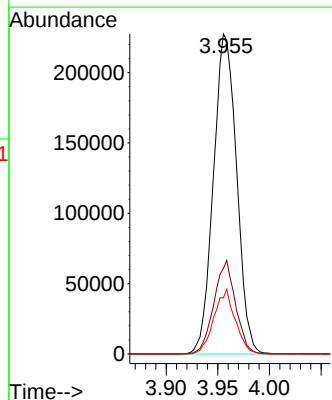
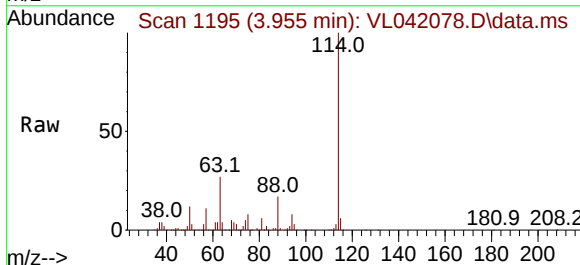
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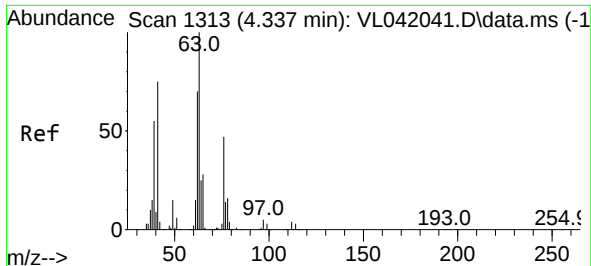
Tgt Ion: 84 Resp: 730
Ion Ratio Lower Upper
84 100
56 1275.3 101.5 152.3#
41 4.8 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.023 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

Tgt Ion: 114 Resp: 355709
Ion Ratio Lower Upper
114 100
63 27.2 20.1 30.1
88 18.5 14.3 21.5





#39

1,2-Dichloropropane

Concen: 6.852 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.379 min

Lab File: VL042078.D

Acq: 03 Mar 2025 15:52

Instrument :

MSVOA_L

ClientSampleId :

QC022725 CAN 10331

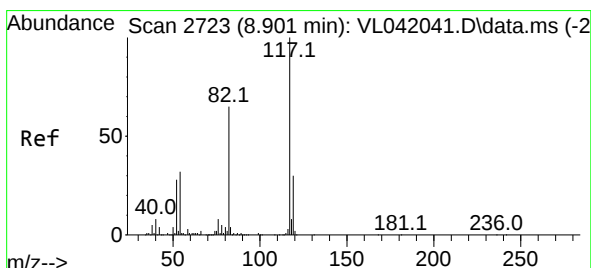
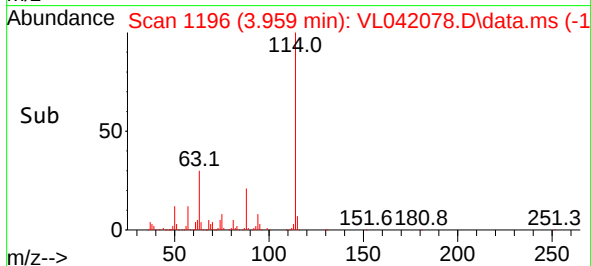
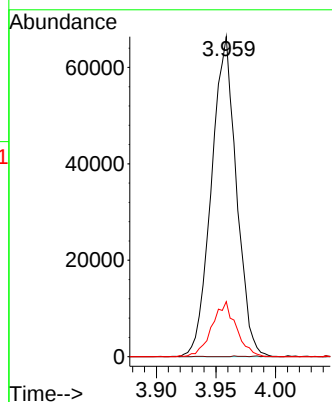
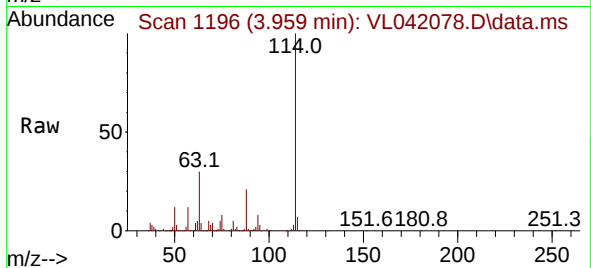
Tgt Ion: 63 Resp: 96843

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 17.2 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.023 min

Lab File: VL042078.D

Acq: 03 Mar 2025 15:52

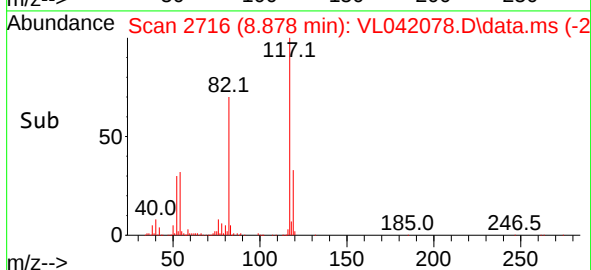
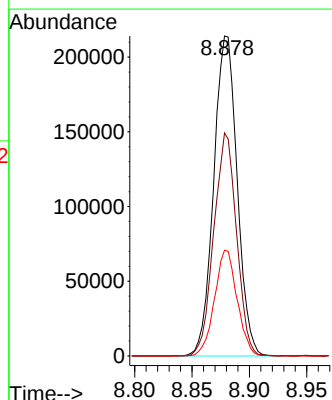
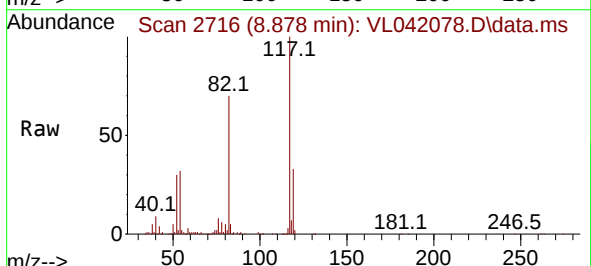
Tgt Ion: 117 Resp: 304769

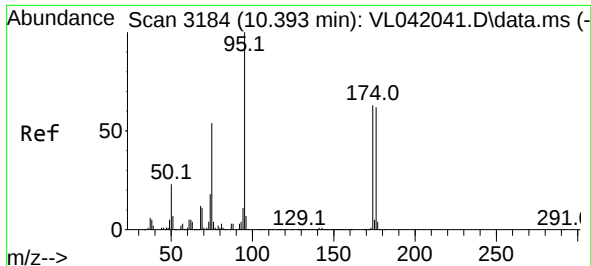
Ion Ratio Lower Upper

117 100

82 67.4 55.0 82.6

119 31.8 25.9 38.9

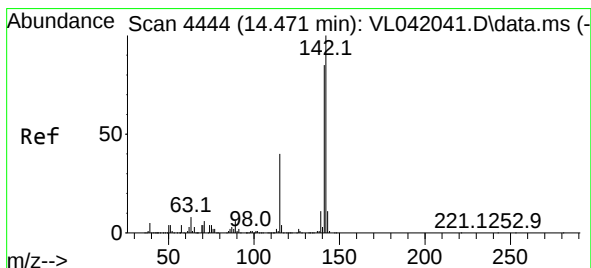
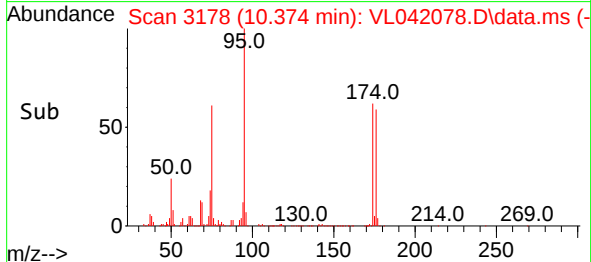
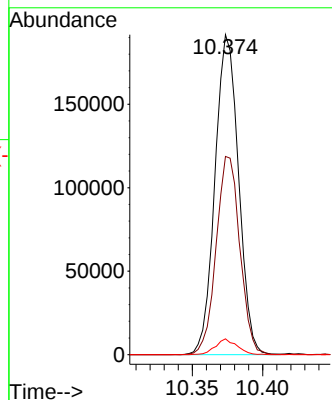
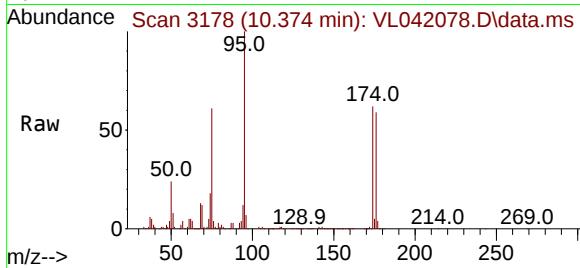




#68
1-Bromo-4-Fluorobenzene
Concen: 9.537 ppbv
RT: 10.374 min Scan# 3184
Delta R.T. -0.020 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

Instrument :
MSVOA_L
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QC022725 CAN 10331

Tgt Ion: 95 Resp: 223606
Ion Ratio Lower Upper
95 100
174 62.3 51.8 77.6
175 4.5 3.9 5.9



#80
Naphthalene,2-methyl-
Concen: 0.042 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.003 min
Lab File: VL042078.D
Acq: 03 Mar 2025 15:52

Tgt Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
141 102.1 65.8 98.6#
115 26.1 29.5 44.3#

