

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040772.D
 Acq On : 12 Oct 2023 1:48
 Operator : SY/MD
 Sample : 04699-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Quant Time: Oct 13 01:22:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

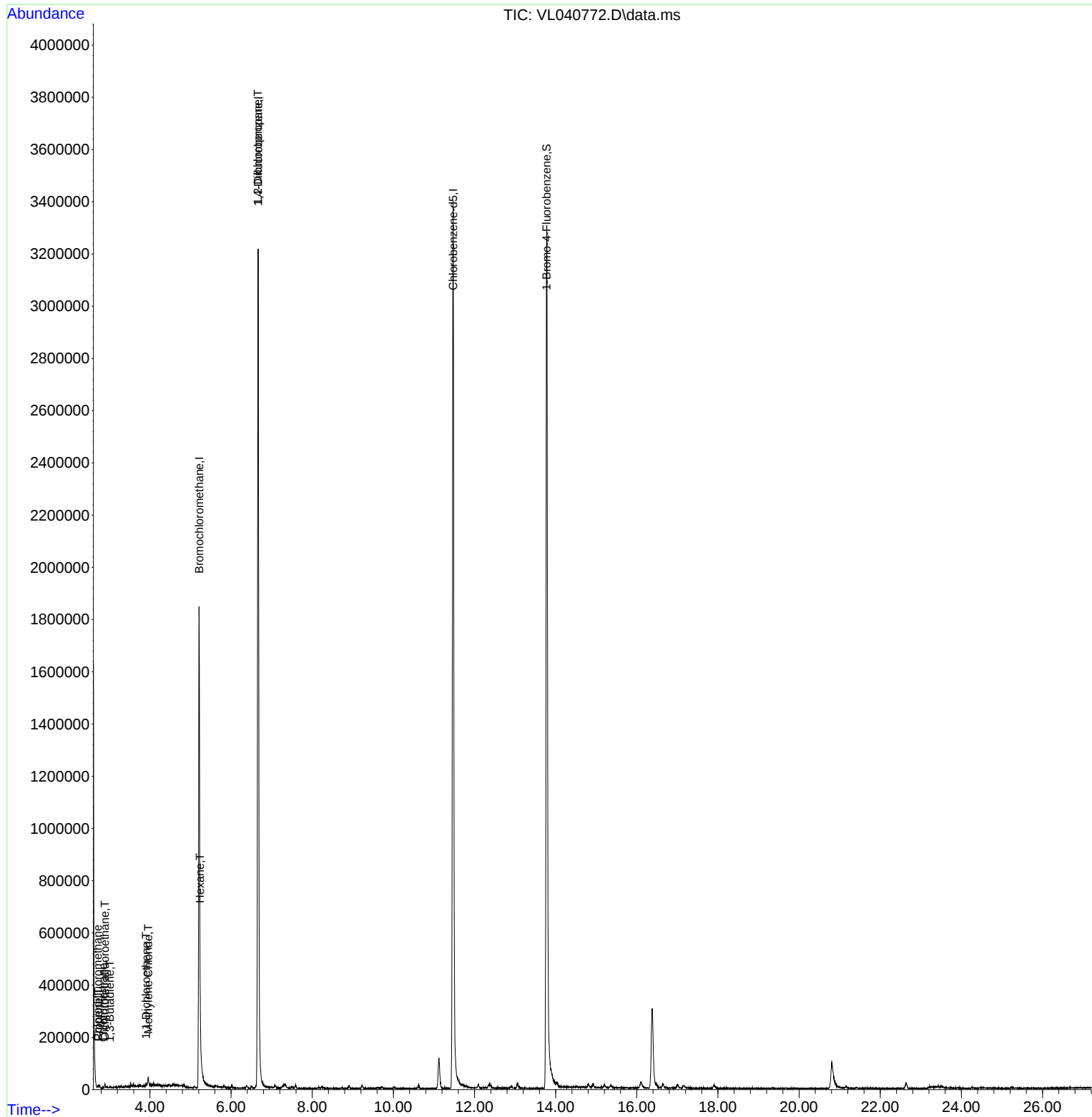
Internal Standards						
1) Bromochloromethane	5.214	49	950745	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2703454	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2452867	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1843732	10.215	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.713	51	5066	0.036	ppbv	95
4) Chloromethane	2.845	50	2430	0.044	ppbv	96
8) Dichlorotetrafluoroethane	2.886	85	4771	0.038	ppbv #	77
9) Propene	2.729	41	2968	0.057	ppbv	97
16) 1,3-Butadiene	3.015	39	2283	0.044	ppbv	97
18) 1,1-Dichloroethene	3.902	96	1503	0.036	ppbv #	20
20) Methylene Chloride	3.957	84	6798	0.166	ppbv #	81
26) Hexane	5.234	57	8274	0.084	ppbv #	61
39) 1,2-Dichloropropane	6.664	63	628362	7.735	ppbv #	26

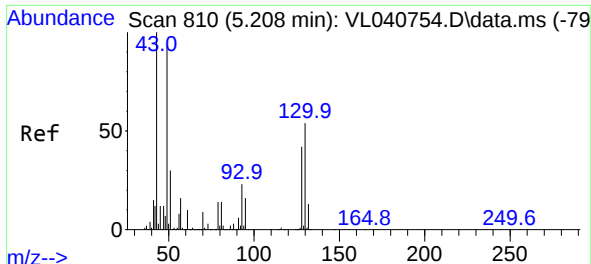
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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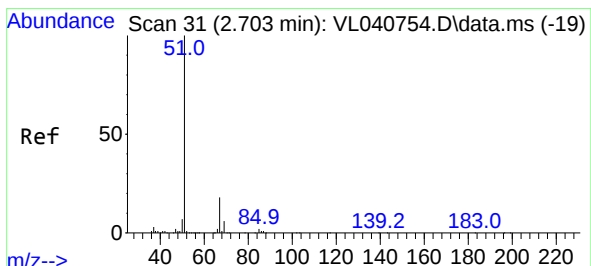
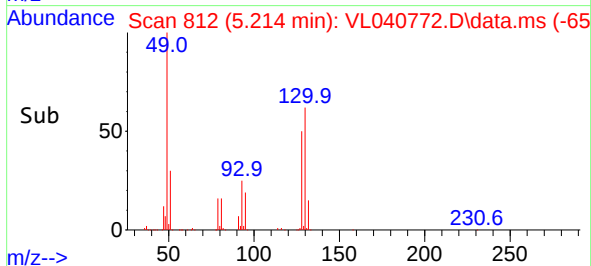
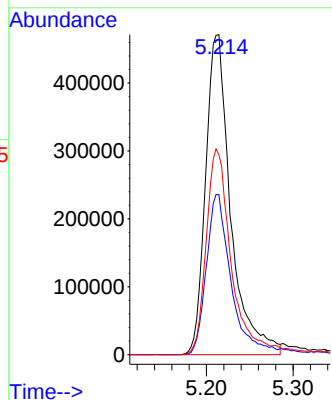
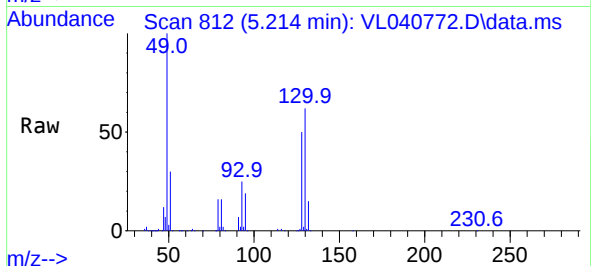




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

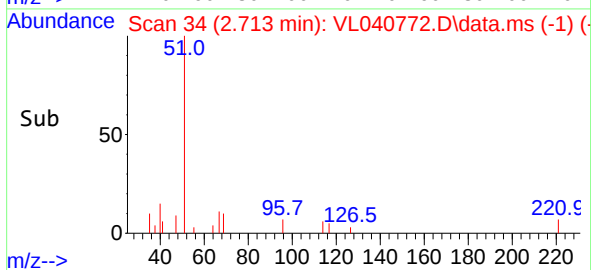
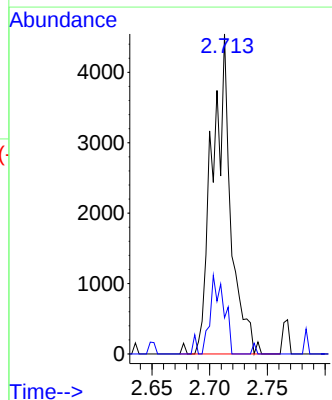
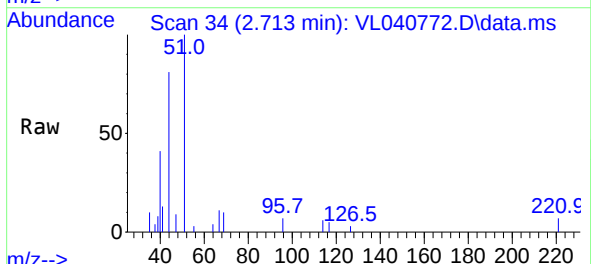
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 49 Resp: 950745
Ion Ratio Lower Upper
49 100
128 50.4 23.9 71.7
130 67.3 30.7 92.1

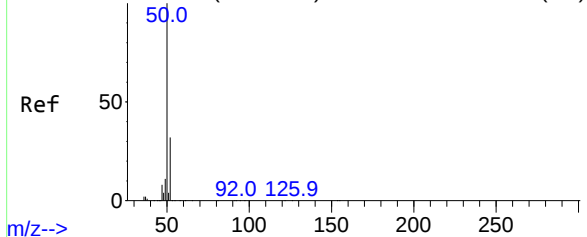


#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.010 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

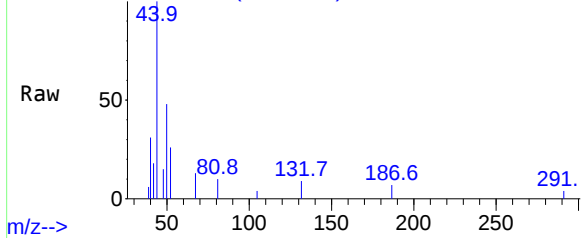
Tgt Ion: 51 Resp: 5066
Ion Ratio Lower Upper
51 100
67 19.2 13.8 20.6



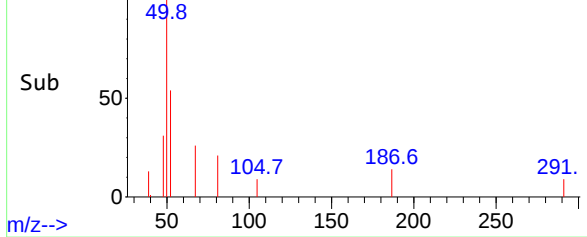
Abundance Scan 74 (2.841 min): VL040754.D\data.ms (-65)



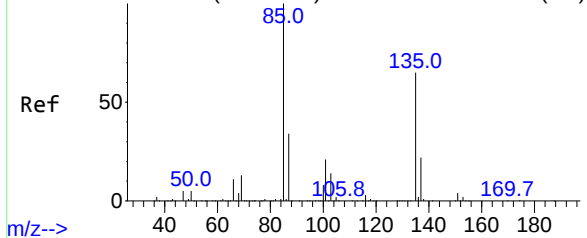
Abundance Scan 75 (2.845 min): VL040772.D\data.ms



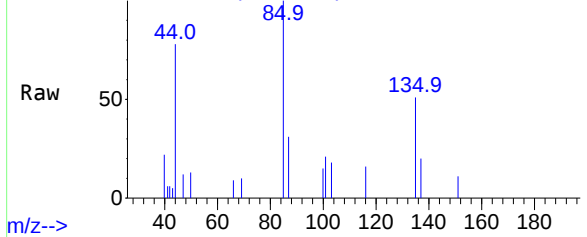
Abundance Scan 75 (2.845 min): VL040772.D\data.ms (-1) (-



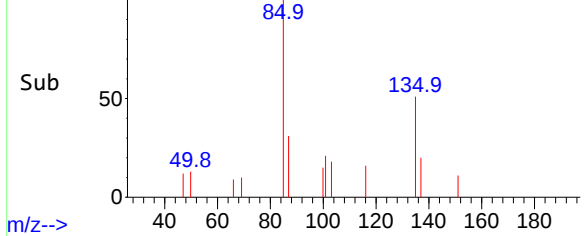
Abundance Scan 87 (2.883 min): VL040754.D\data.ms (-79)



Abundance Scan 88 (2.886 min): VL040772.D\data.ms



Abundance Scan 88 (2.886 min): VL040772.D\data.ms (-1) (-



#4

Chloromethane

Concen: 0.044 ppbv

RT: 2.845 min Scan# 74

Delta R.T. 0.003 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

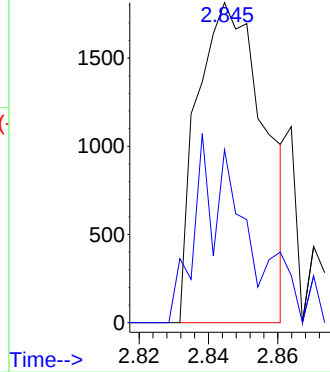
Tgt Ion: 50 Resp: 2430

Ion Ratio Lower Upper

50 100

52 34.1 25.3 37.9

Abundance



#8

Dichlorotetrafluoroethane

Concen: 0.038 ppbv

RT: 2.886 min Scan# 88

Delta R.T. 0.003 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

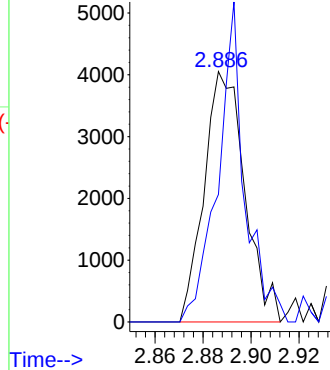
Tgt Ion: 85 Resp: 4771

Ion Ratio Lower Upper

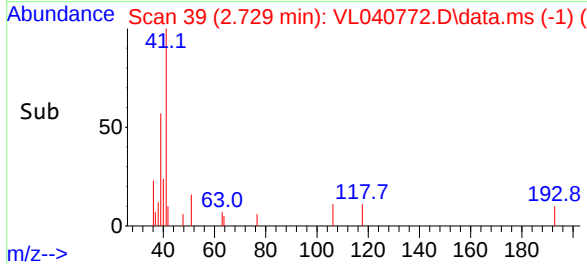
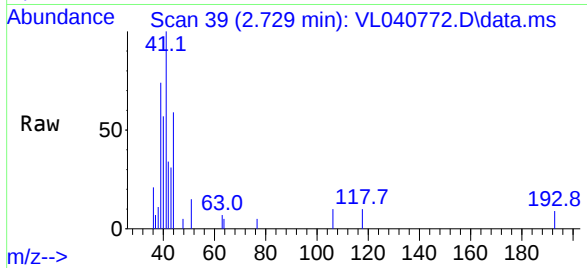
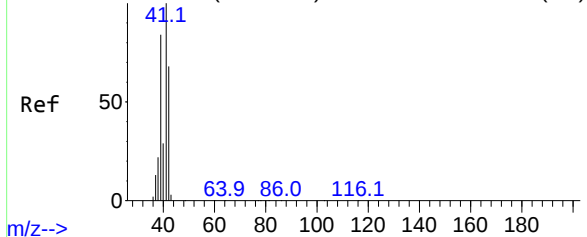
85 100

135 88.4 55.4 83.2#

Abundance



Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



#9

Propene

Concen: 0.057 ppbv

RT: 2.729 min Scan# 39

Delta R.T. 0.006 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

Instrument :

MSVOA_L

ClientSampleId :

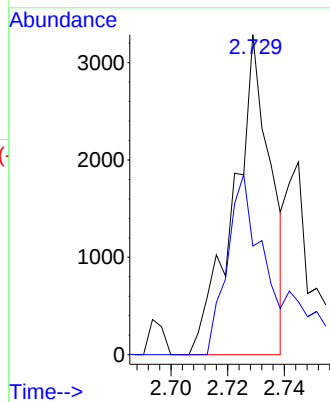
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 41 Resp: 2968

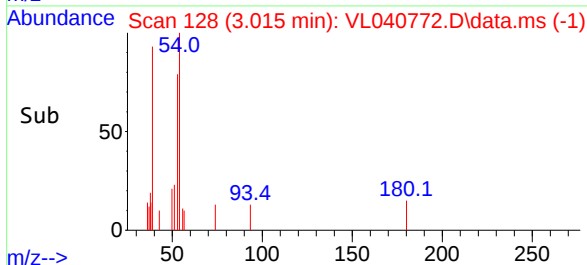
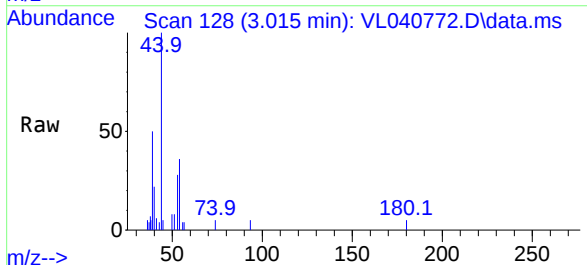
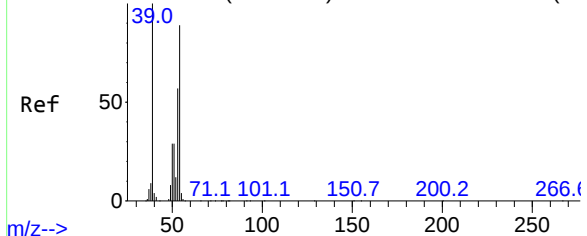
Ion Ratio Lower Upper

41 100

42 74.3 57.1 85.7



Abundance Scan 127 (3.012 min): VL040754.D\data.ms (-11)



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 3.015 min Scan# 128

Delta R.T. 0.003 min

Lab File: VL040772.D

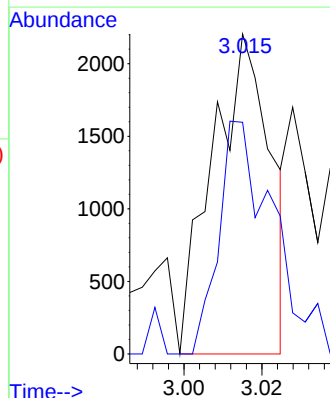
Acq: 12 Oct 2023 1:48

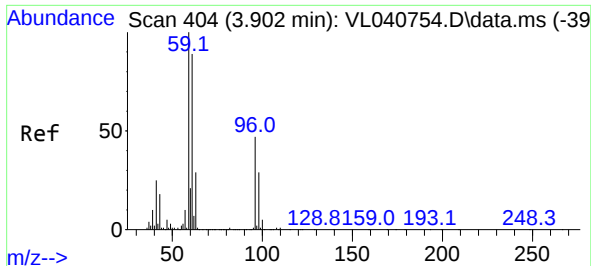
Tgt Ion: 39 Resp: 2283

Ion Ratio Lower Upper

39 100

54 81.4 63.0 94.6





#18

1,1-Dichloroethene

Concen: 0.036 ppbv

RT: 3.902 min Scan# 404

Delta R.T. 0.000 min

Lab File: VL040772.D

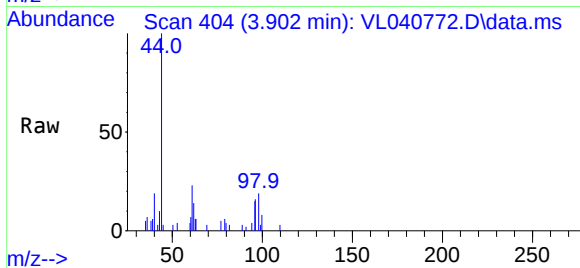
Acq: 12 Oct 2023 1:48

Instrument :

MSVOA_1

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023



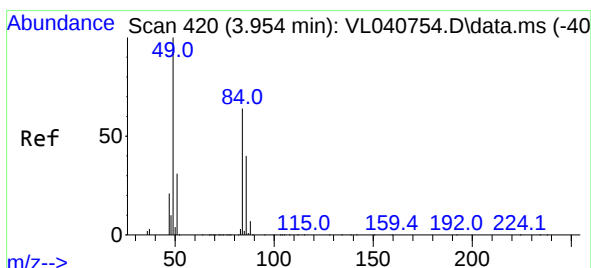
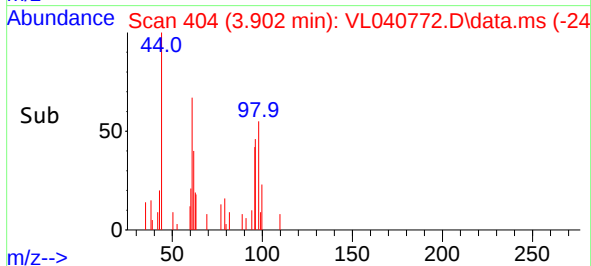
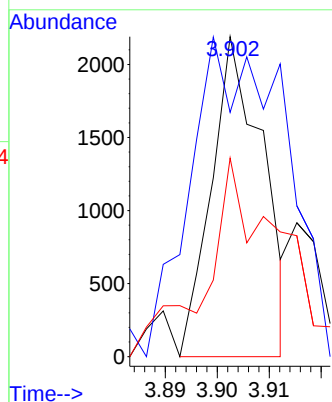
Tgt Ion: 96 Resp: 1503

Ion Ratio Lower Upper

96 100

61 44.5 152.5 228.7#

98 46.1 49.6 74.4#



#20

Methylene Chloride

Concen: 0.166 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.003 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

Tgt Ion: 84 Resp: 6798

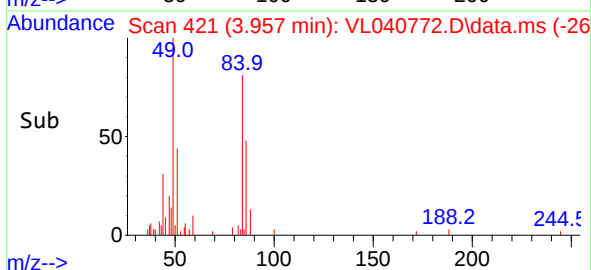
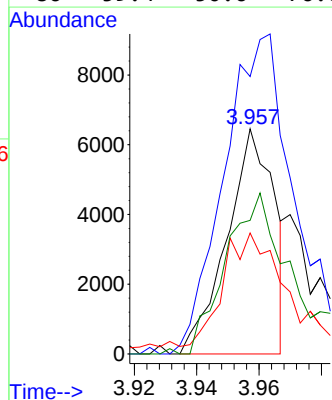
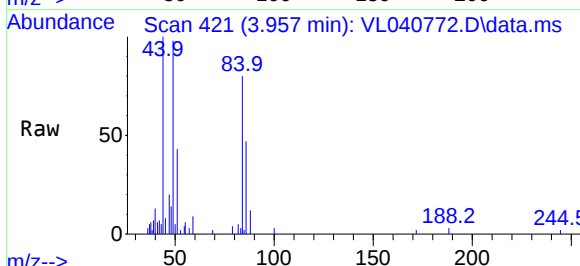
Ion Ratio Lower Upper

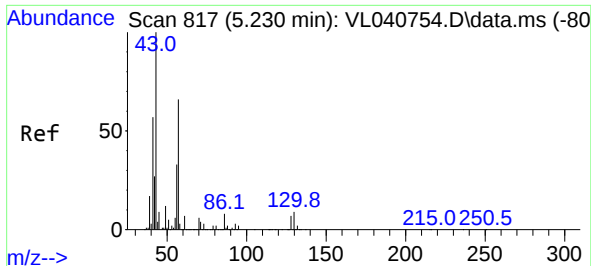
84 100

49 119.3 125.6 188.4#

51 50.4 38.9 58.3

86 59.4 50.6 76.0

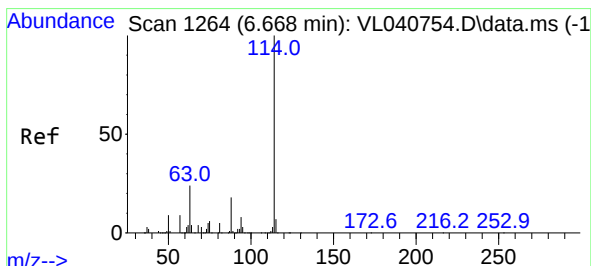
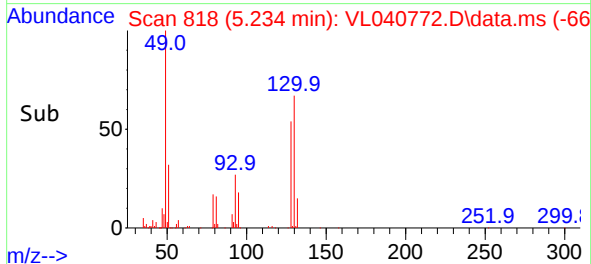
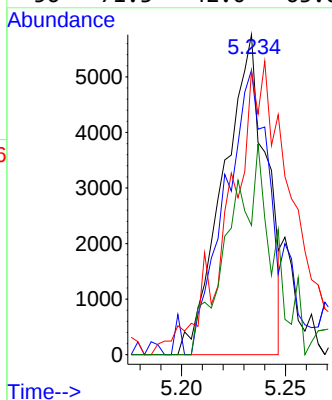
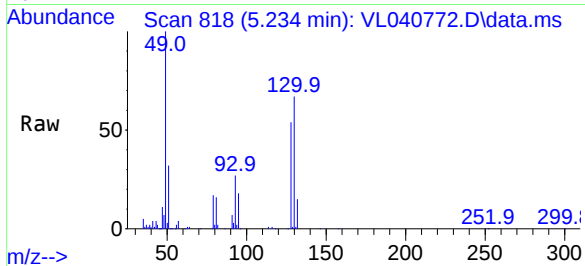




#26
Hexane
Concen: 0.084 ppbv
RT: 5.234 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

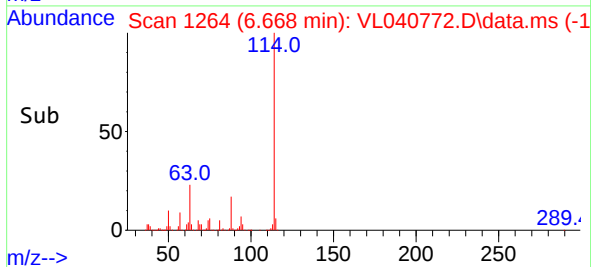
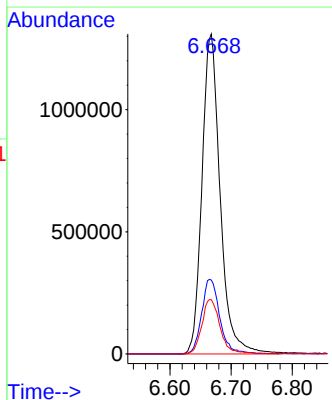
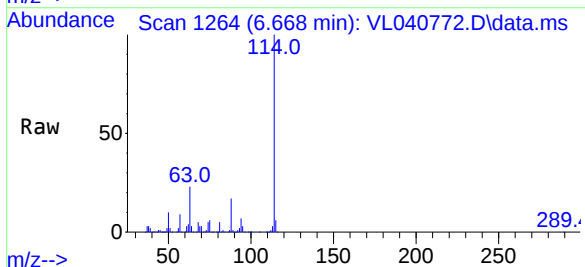
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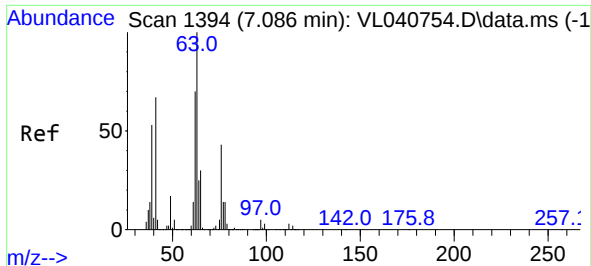
Tgt Ion: 57 Resp: 8274
Ion Ratio Lower Upper
57 100
41 112.6 71.4 107.2#
43 149.1 182.3 273.5#
56 71.3 42.0 63.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

Tgt Ion: 114 Resp: 2703454
Ion Ratio Lower Upper
114 100
63 23.5 19.8 29.6
88 17.2 14.2 21.2





#39

1,2-Dichloropropane

Concen: 7.735 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.421 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

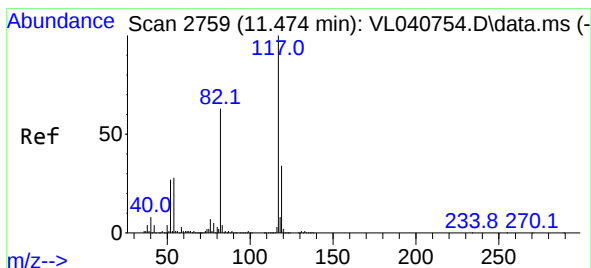
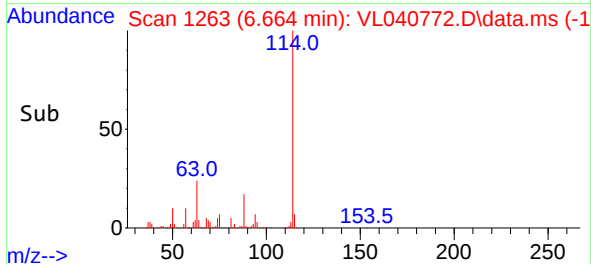
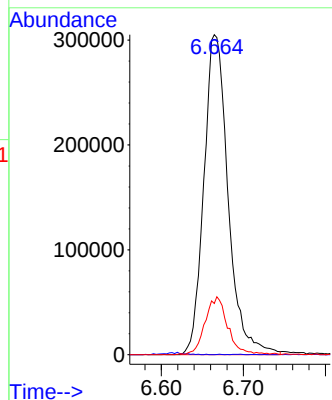
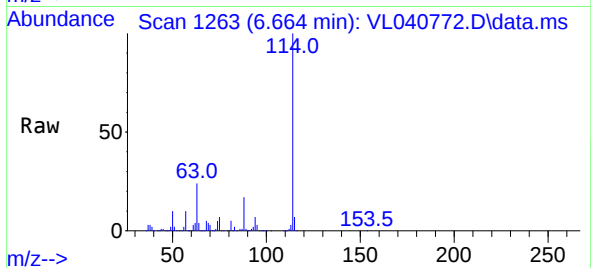
Tgt Ion: 63 Resp: 628362

Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 16.0 55.7 83.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. -0.003 min

Lab File: VL040772.D

Acq: 12 Oct 2023 1:48

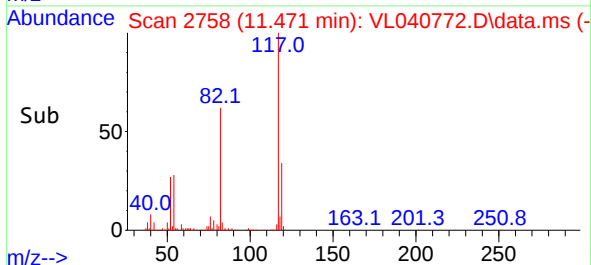
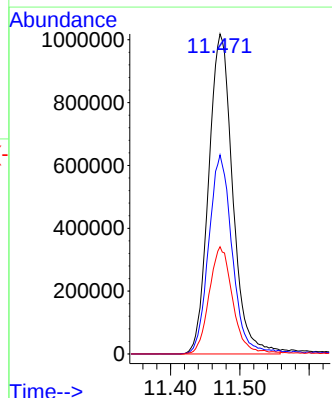
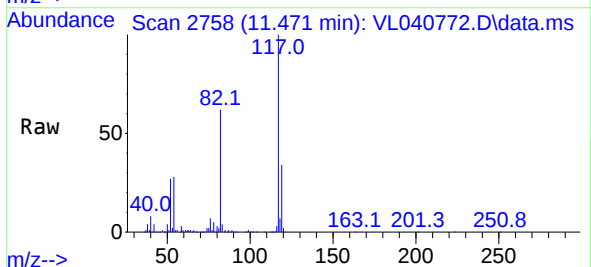
Tgt Ion: 117 Resp: 2452867

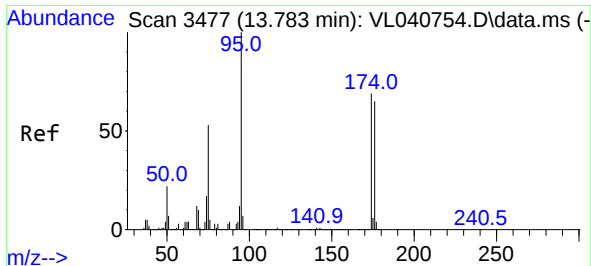
Ion Ratio Lower Upper

117 100

82 61.6 46.6 70.0

119 33.0 26.0 39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.215 ppbv

RT: 13.777 min Scan# 34

Delta R.T. -0.006 min

Lab File: VL040772.D

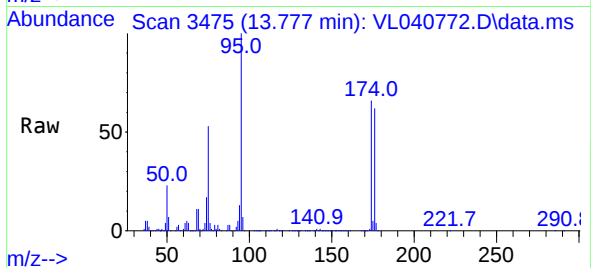
Acq: 12 Oct 2023 1:48

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MSVOA_L

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LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 95 Resp: 1843732

Ion Ratio Lower Upper

95 100

174 68.1 54.7 82.1

175 5.1 4.2 6.4

