

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041018.D
 Acq On : 24 Jan 2024 16:23
 Operator : SY/MD
 Sample : P1187-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:20:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

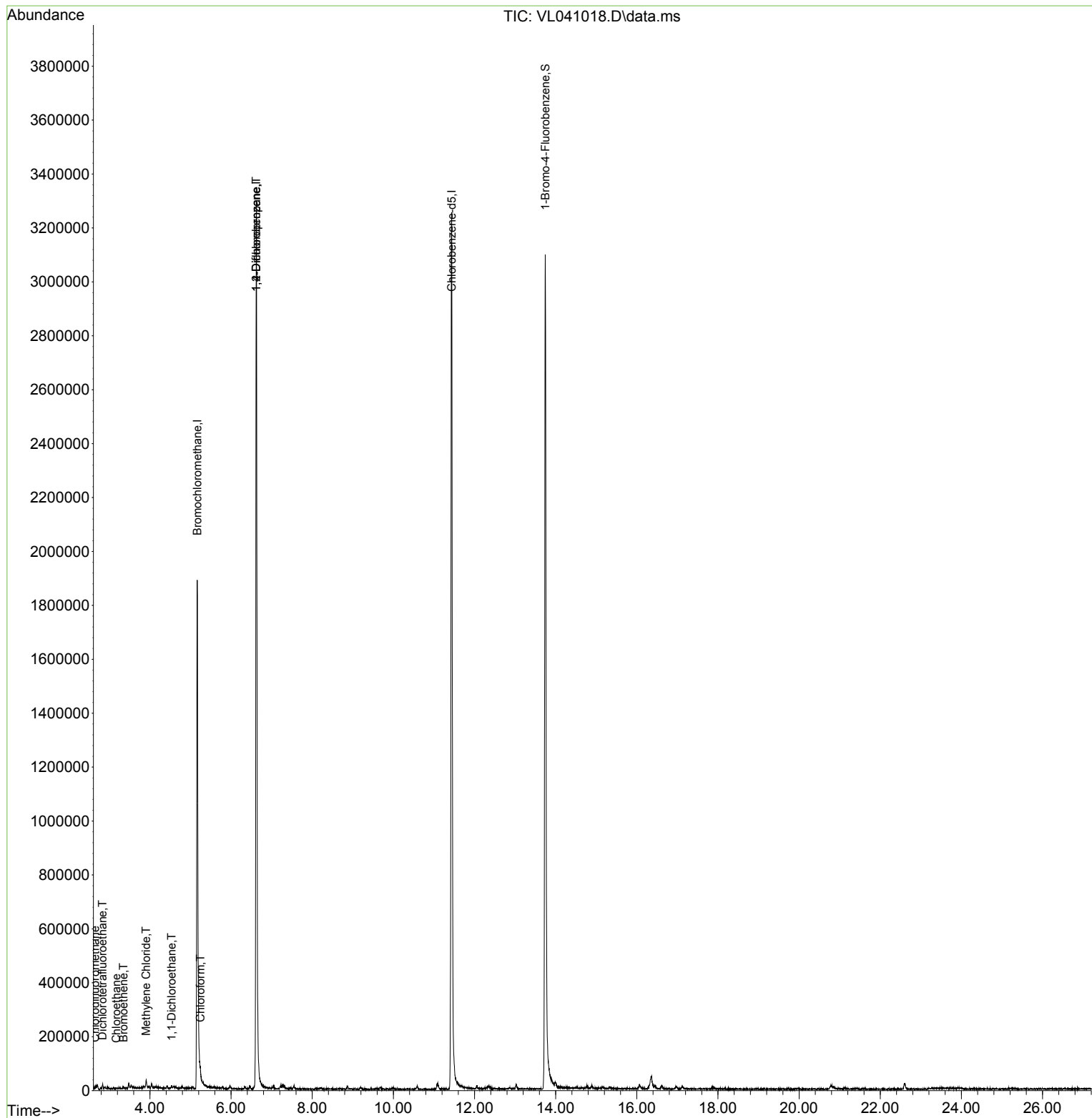
Internal Standards						
1) Bromochloromethane	5.166	49	980932	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.623	114	2419952	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2054734	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	1580176	10.182	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.652	51	7463	0.045	ppbv	98
7) Chloroethane	3.173	64	705	0.032	ppbv #	76
8) Dichlorotetrafluoroethane	2.832	85	6650	0.041	ppbv	93
14) Bromoethene	3.349	108	1665	0.034	ppbv #	85
20) Methylene Chloride	3.906	84	5109	0.106	ppbv #	93
24) 1,1-Dichloroethane	4.536	63	3578	0.031	ppbv #	83
29) Chloroform	5.243	83	6658	0.039	ppbv	89
39) 1,2-Dichloropropane	6.623	63	634945	8.065	ppbv #	24

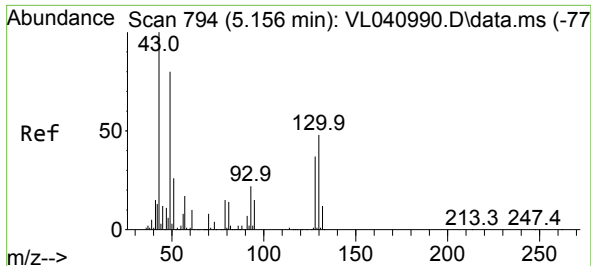
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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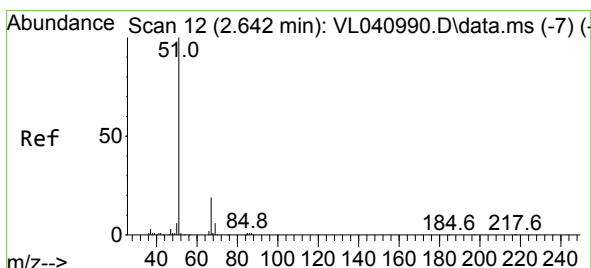
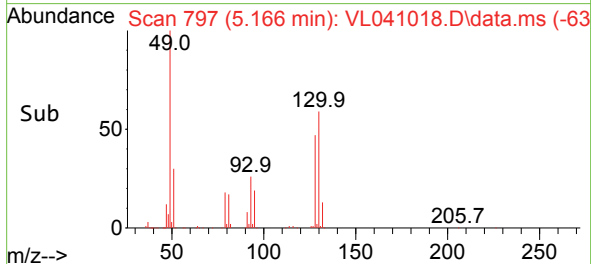
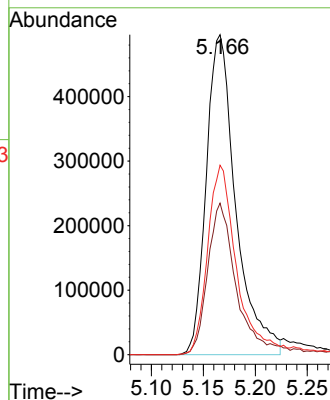
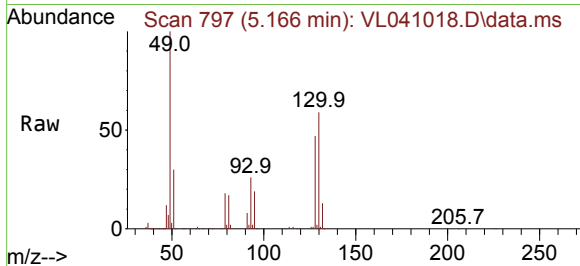




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.166 min Scan# 794
 Delta R.T. 0.010 min
 Lab File: VL041018.D
 Acq: 24 Jan 2024 16:23

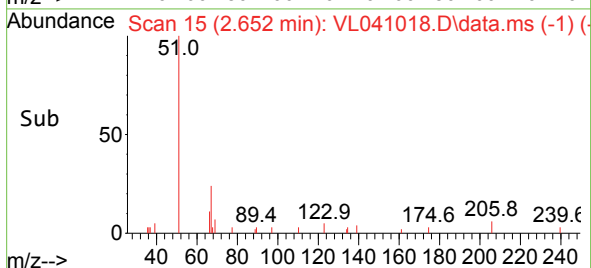
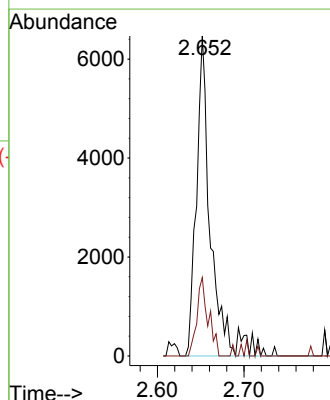
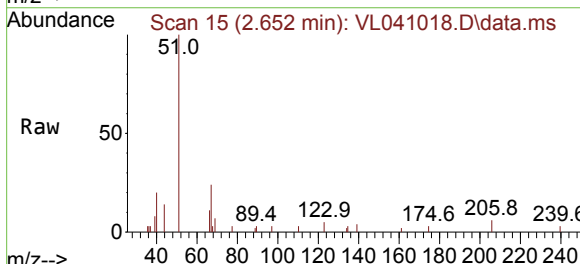
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

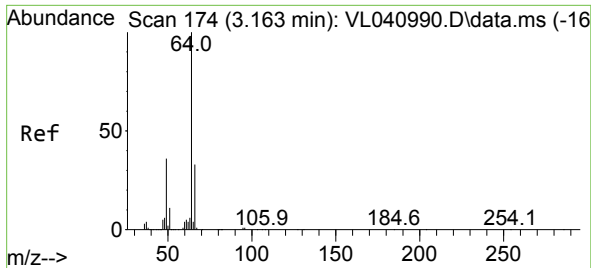
Tgt Ion: 49 Resp: 980932
 Ion Ratio Lower Upper
 49 100
 128 48.8 23.9 71.7
 130 61.8 31.1 93.5



#3
 Chlorodifluoromethane
 Concen: 0.045 ppbv
 RT: 2.652 min Scan# 15
 Delta R.T. 0.006 min
 Lab File: VL041018.D
 Acq: 24 Jan 2024 16:23

Tgt Ion: 51 Resp: 7463
 Ion Ratio Lower Upper
 51 100
 67 19.4 14.8 22.2

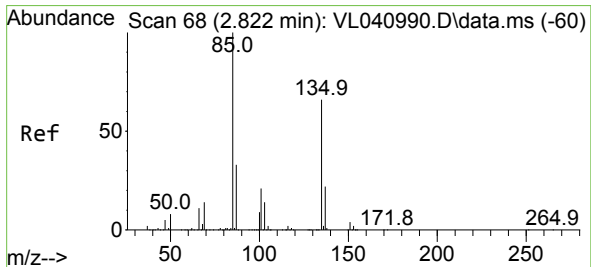
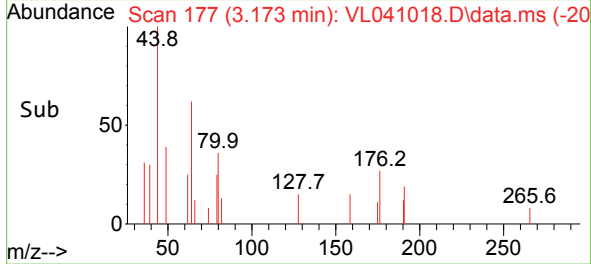
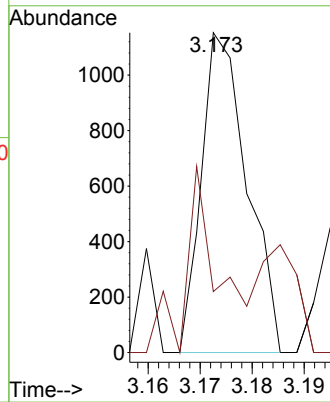
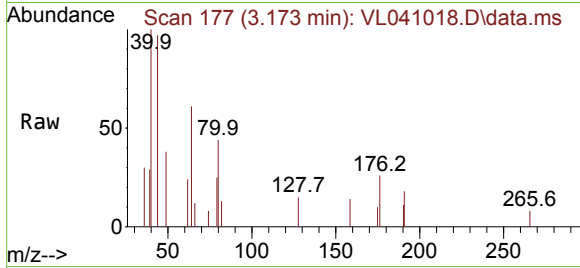




#7
Chloroethane
Concen: 0.032 ppbv
RT: 3.173 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

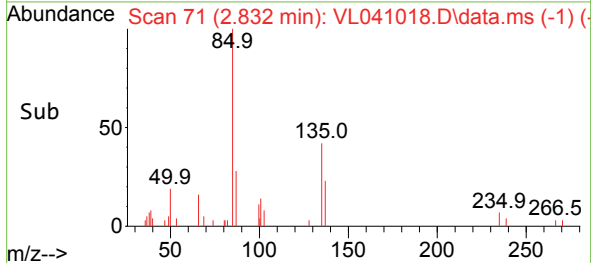
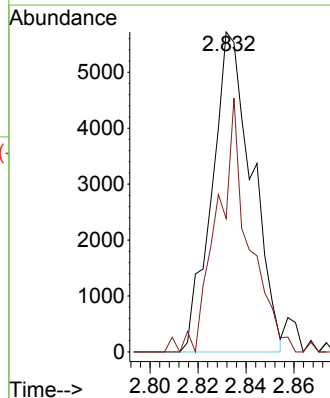
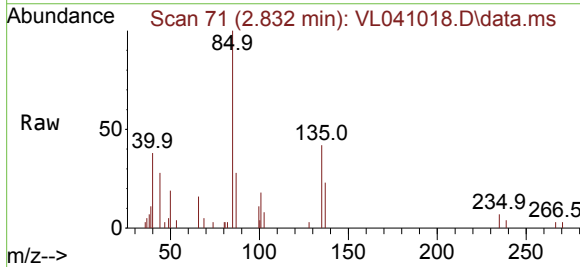
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

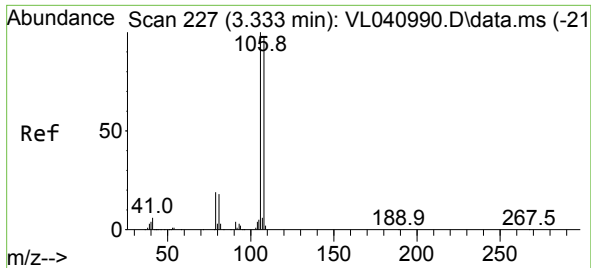
Tgt Ion: 64 Resp: 705
Ion Ratio Lower Upper
64 100
66 19.1 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

Tgt Ion: 85 Resp: 6650
Ion Ratio Lower Upper
85 100
135 63.0 55.0 82.6

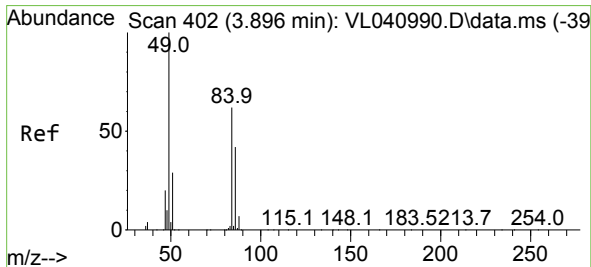
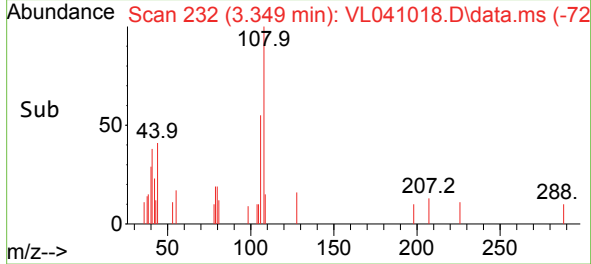
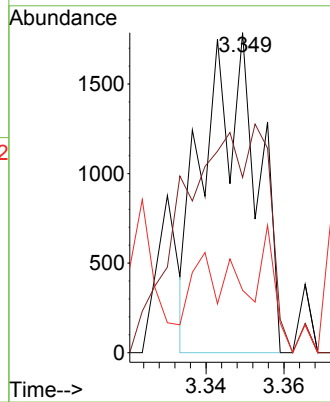
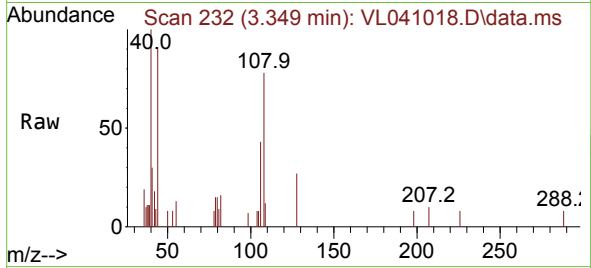




#14
Bromoethene
Concen: 0.034 ppbv
RT: 3.349 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

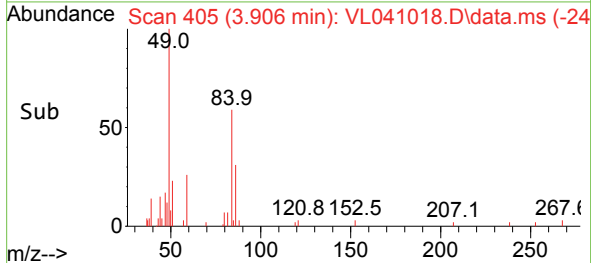
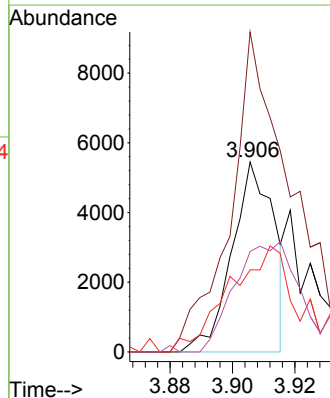
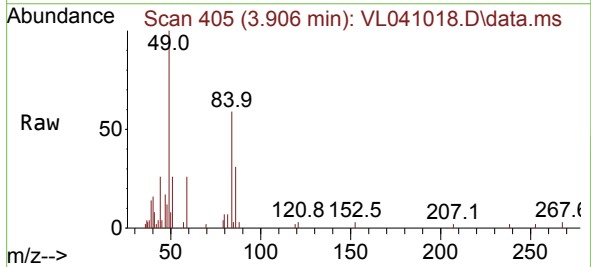
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

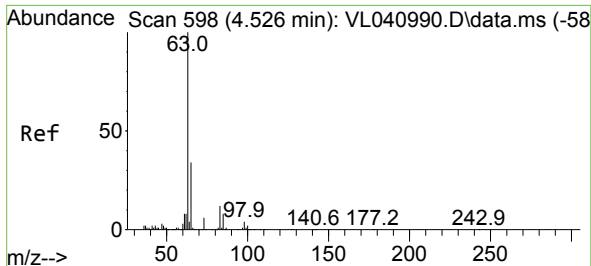
Tgt Ion:108 Resp: 1665
Ion Ratio Lower Upper
108 100
106 118.3 86.4 129.6
79 0.0 16.2 24.4#



#20
Methylene Chloride
Concen: 0.106 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

Tgt Ion: 84 Resp: 5109
Ion Ratio Lower Upper
84 100
49 161.0 128.1 192.1
51 36.0 36.5 54.7#
86 52.9 54.1 81.1#

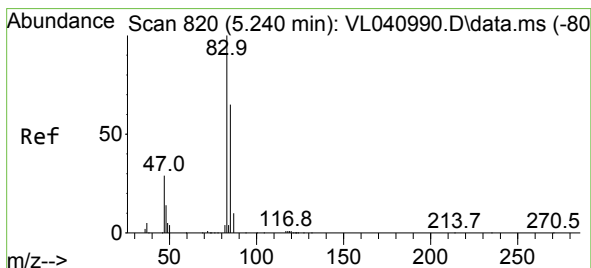
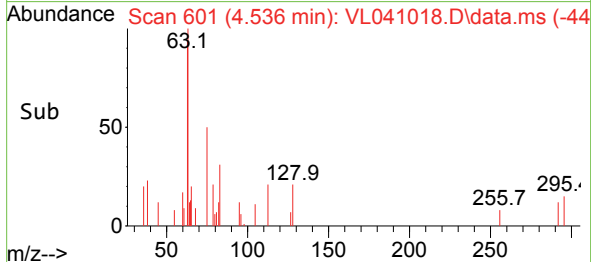
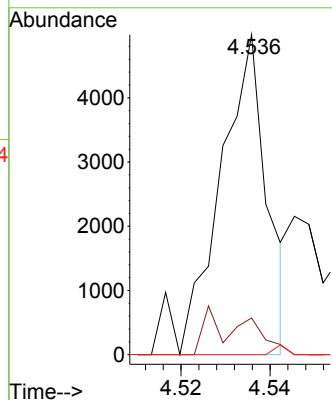
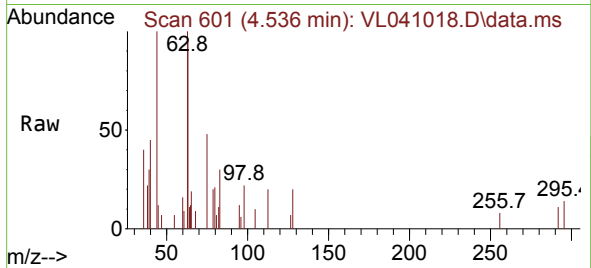




#24
1,1-Dichloroethane
Concen: 0.031 ppbv
RT: 4.536 min Scan# 601
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

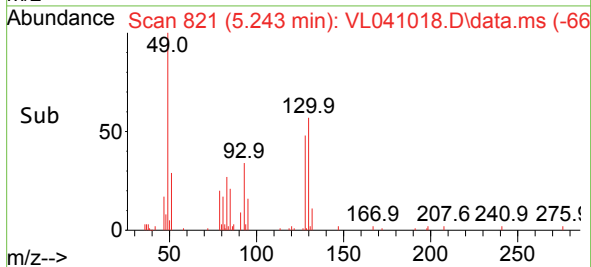
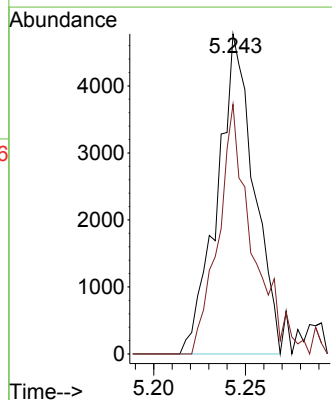
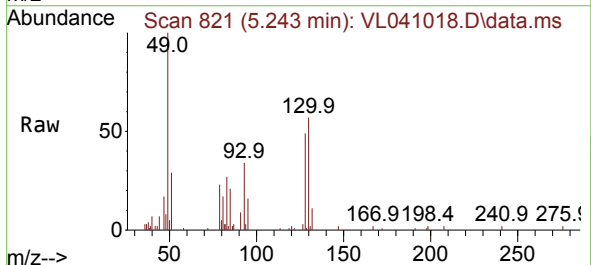
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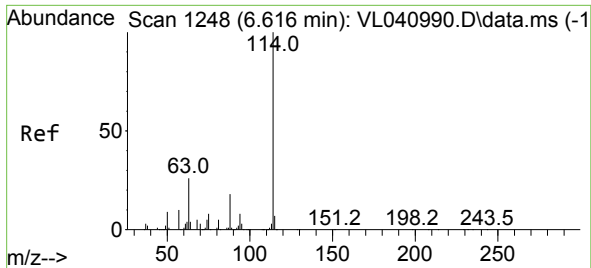
Tgt Ion: 63 Resp: 3578
Ion Ratio Lower Upper
63 100
98 11.4 2.1 6.3#
100 0.0 1.3 3.9#



#29
Chloroform
Concen: 0.039 ppbv
RT: 5.243 min Scan# 821
Delta R.T. 0.003 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

Tgt Ion: 83 Resp: 6658
Ion Ratio Lower Upper
83 100
85 73.4 51.6 77.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041018.D

Acq: 24 Jan 2024 16:23

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

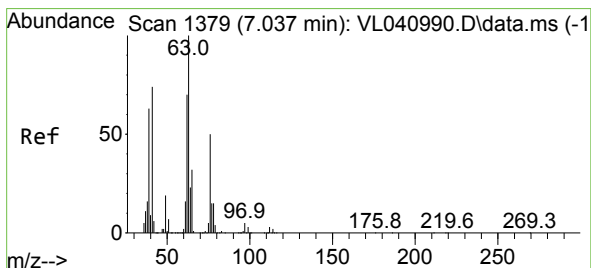
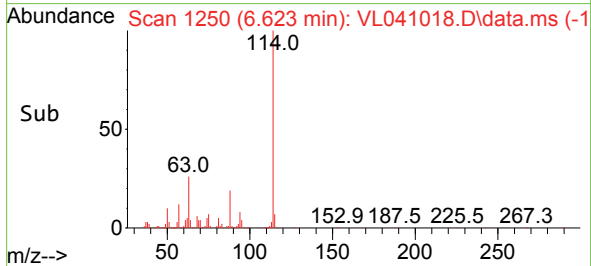
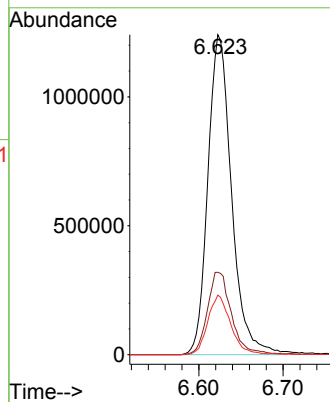
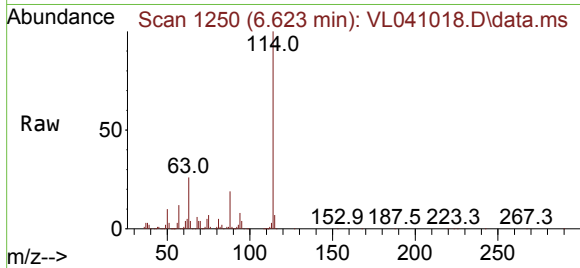
Tgt Ion:114 Resp: 2419952

Ion Ratio Lower Upper

114 100

63 26.5 20.8 31.2

88 18.3 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.065 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. -0.415 min

Lab File: VL041018.D

Acq: 24 Jan 2024 16:23

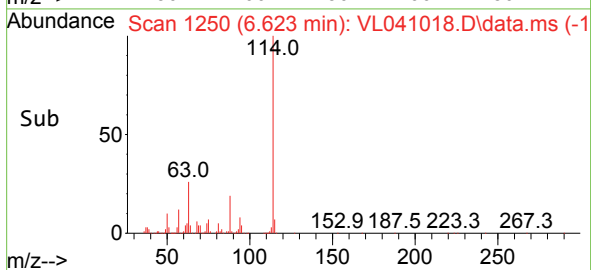
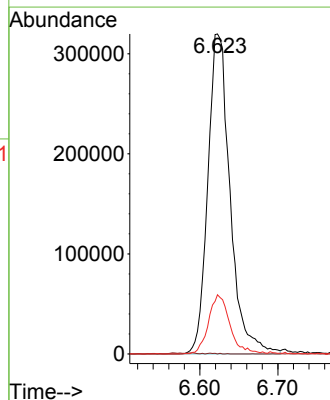
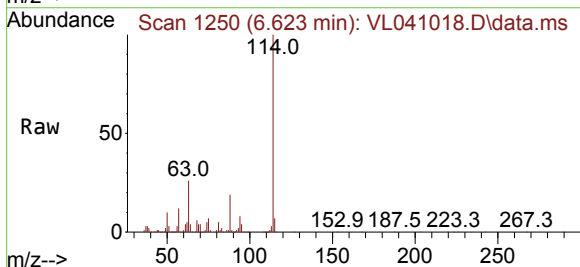
Tgt Ion: 63 Resp: 634945

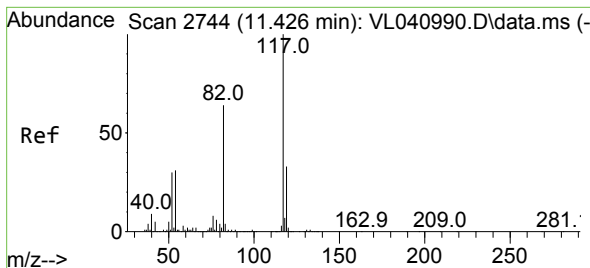
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 18.5 55.6 83.4#

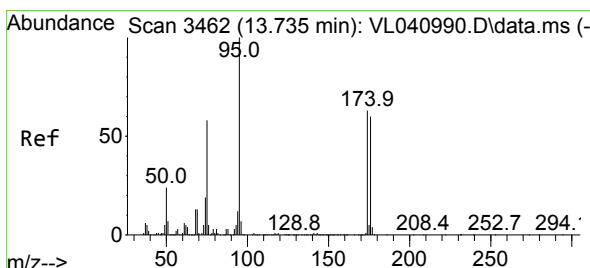
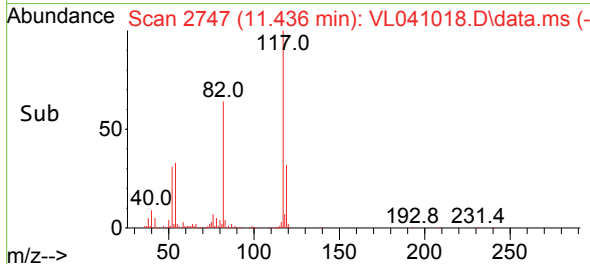
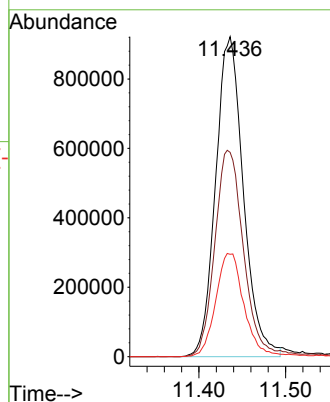
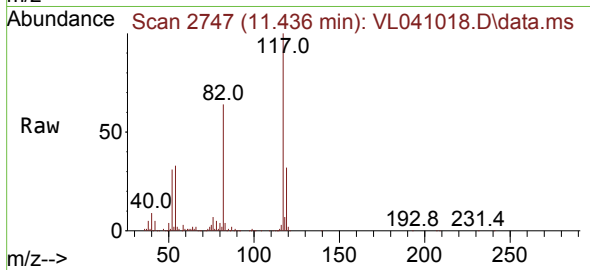




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

Instrument :
MSVOA_L
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LOD-MDL-AIR-01-QT1-2024

Tgt Ion:117 Resp: 2054734
Ion Ratio Lower Upper
117 100
82 67.7 51.7 77.5
119 33.4 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.182 ppbv
RT: 13.744 min Scan# 3465
Delta R.T. 0.006 min
Lab File: VL041018.D
Acq: 24 Jan 2024 16:23

Tgt Ion: 95 Resp: 1580176
Ion Ratio Lower Upper
95 100
174 59.5 49.1 73.7
175 4.5 3.7 5.5

