

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041019.D
 Acq On : 24 Jan 2024 17:00
 Operator : SY/MD
 Sample : P1187-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

Quant Time: Jan 25 03:21:06 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	964019	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.623	114	2363894	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2014602	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1545876	10.159	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

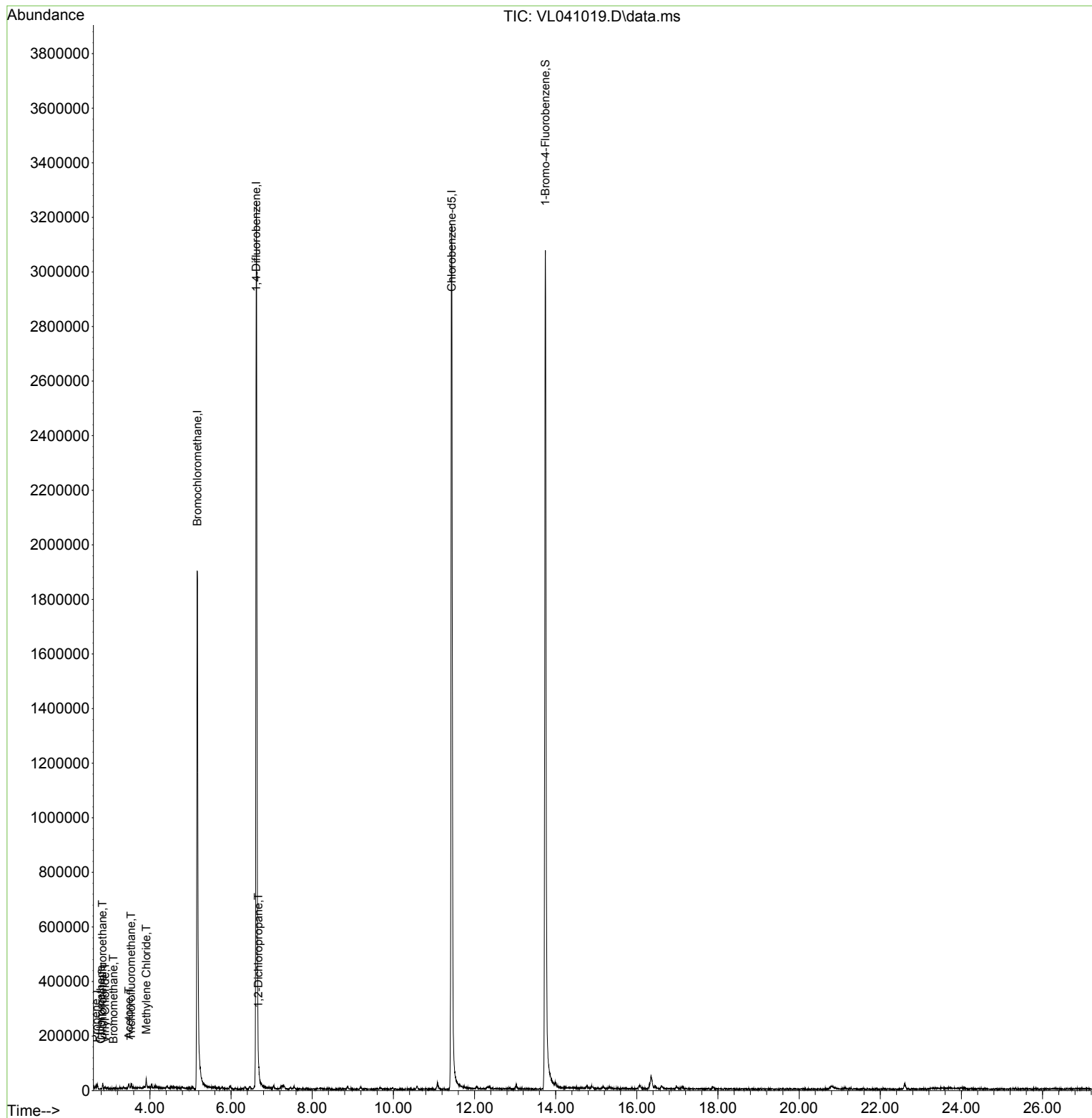
4) Chloromethane	2.790	50	2020	0.033	ppbv #	78
5) Vinyl Chloride	2.896	62	2281	0.038	ppbv	98
6) Bromomethane	3.102	94	1118	0.043	ppbv #	14
8) Dichlorotetrafluoroethane	2.832	85	5989	0.038	ppbv	87
9) Propene	2.674	41	2024	0.038	ppbv #	62
11) Trichlorofluoromethane	3.536	101	5737	0.033	ppbv #	75
15) Acetone	3.481	43	17313	0.140	ppbv #	71
20) Methylene Chloride	3.909	84	6398	0.135	ppbv	96
39) 1,2-Dichloropropane	6.671	63	7795	0.101	ppbv #	18

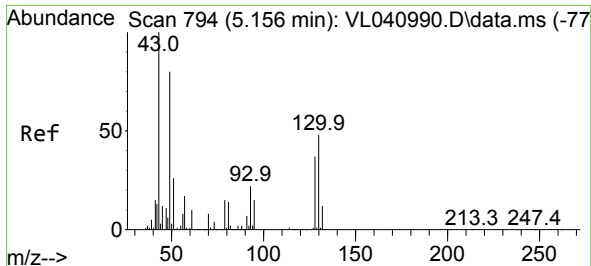
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

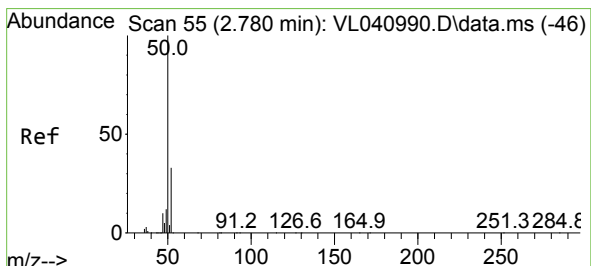
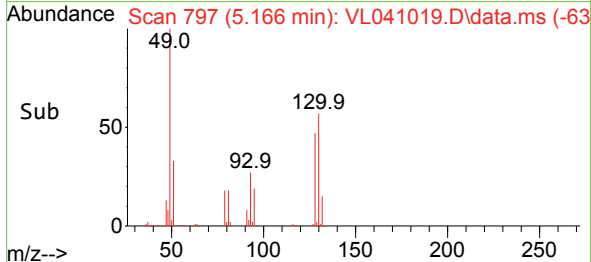
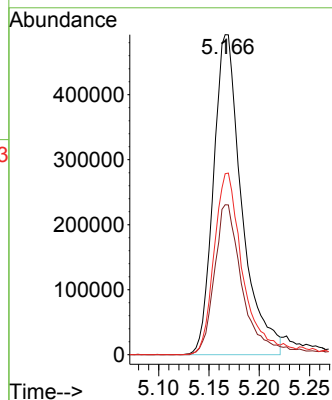
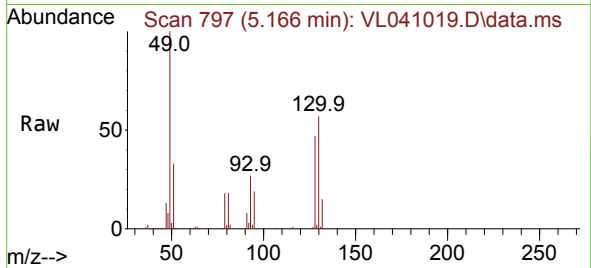




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.166 min Scan# 794
 Delta R.T. 0.010 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

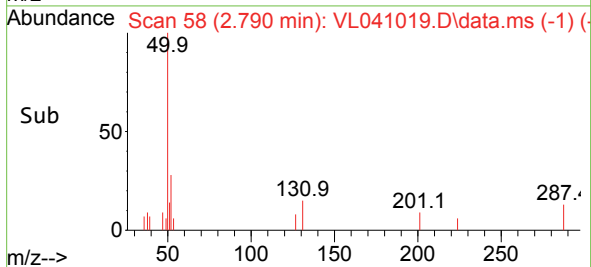
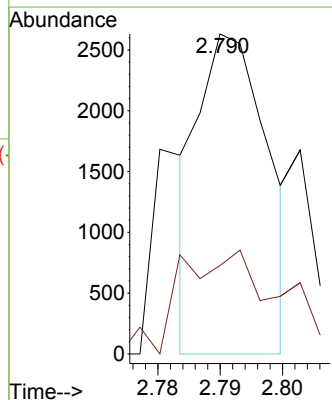
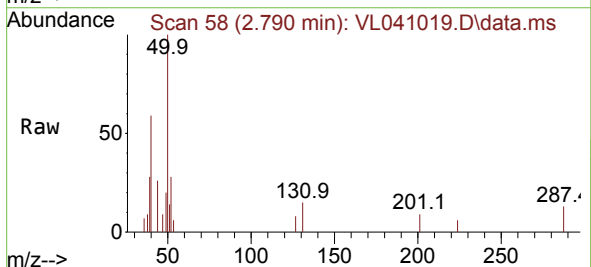
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

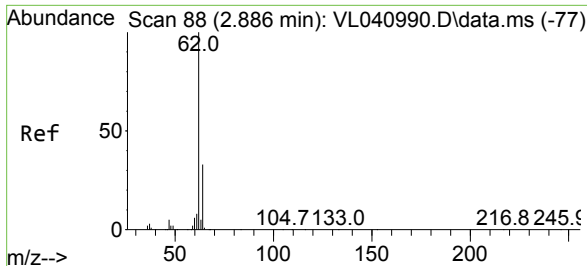
Tgt Ion: 49 Resp: 964019
 Ion Ratio Lower Upper
 49 100
 128 48.9 23.9 71.7
 130 60.7 31.1 93.5



#4
 Chloromethane
 Concen: 0.033 ppbv
 RT: 2.790 min Scan# 58
 Delta R.T. 0.006 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

Tgt Ion: 50 Resp: 2020
 Ion Ratio Lower Upper
 50 100
 52 20.3 26.2 39.4#

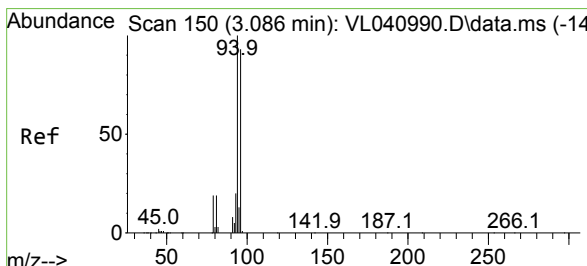
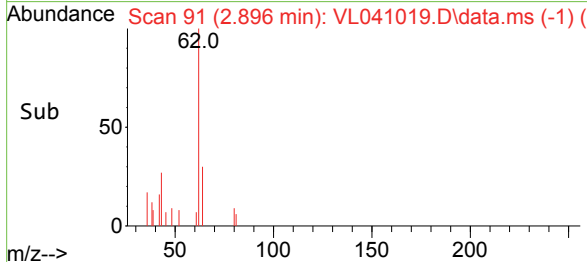
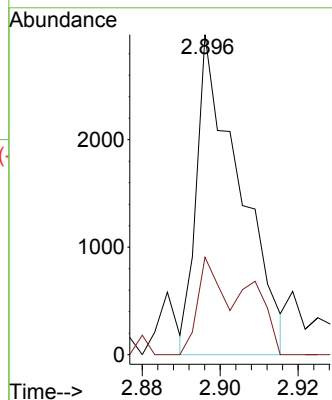
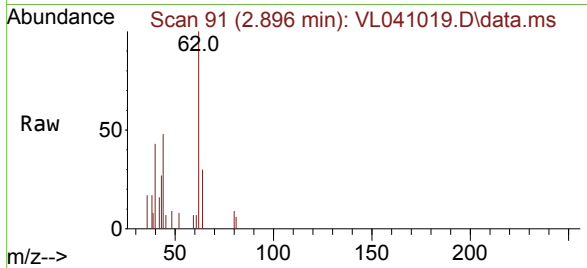




#5
 Vinyl Chloride
 Concen: 0.038 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

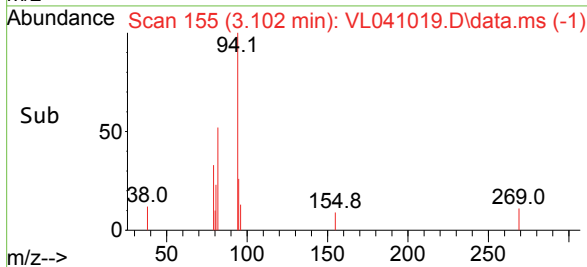
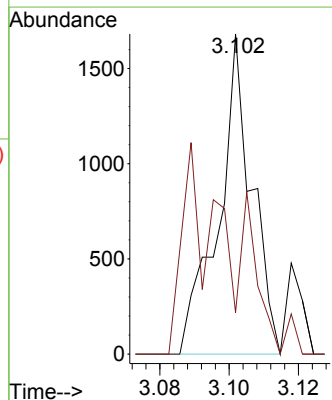
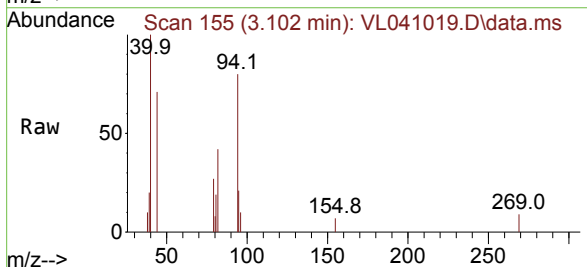
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

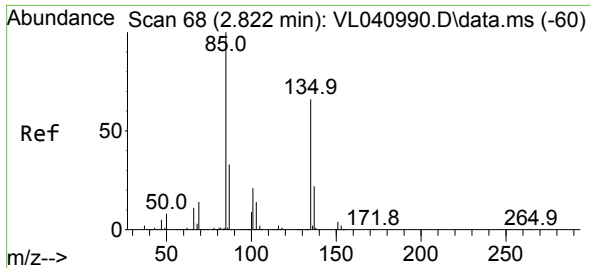
Tgt Ion: 62 Resp: 2281
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.6 40.0



#6
 Bromomethane
 Concen: 0.043 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.013 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

Tgt Ion: 94 Resp: 1118
 Ion Ratio Lower Upper
 94 100
 96 10.3 74.2 111.4#

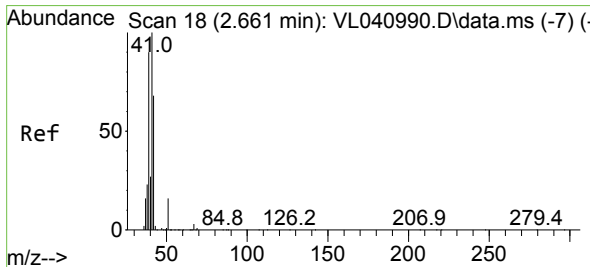
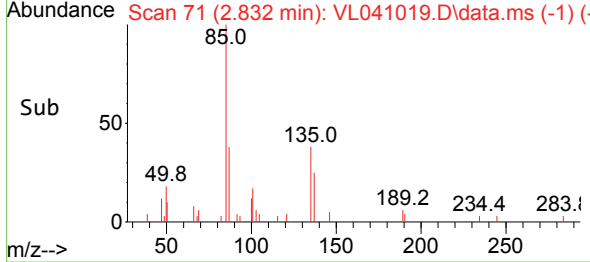
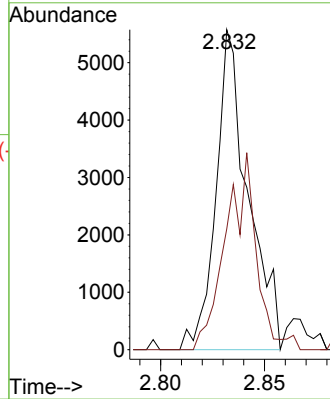
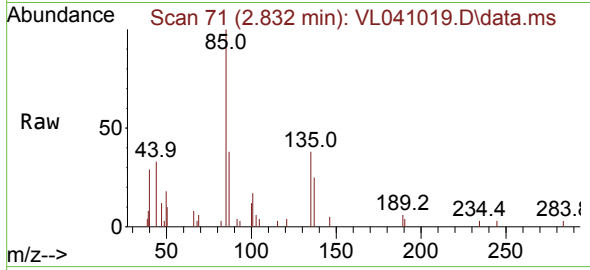




#8
Dichlorotetrafluoroethane
Concen: 0.038 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041019.D
Acq: 24 Jan 2024 17:00

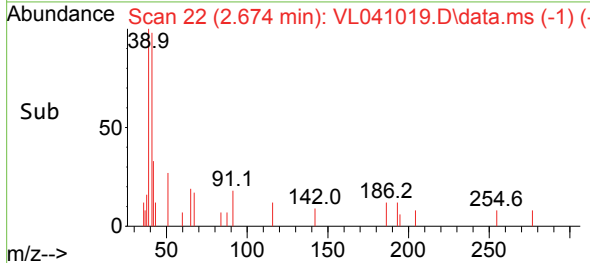
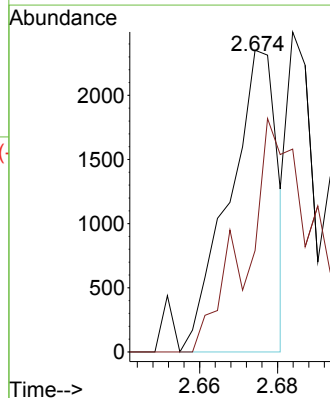
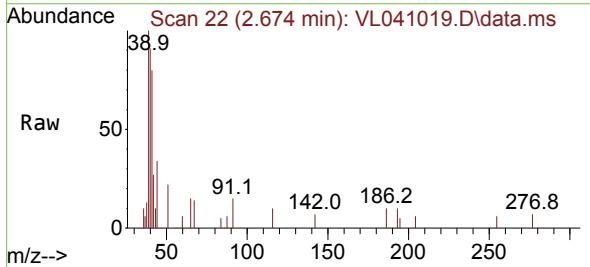
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

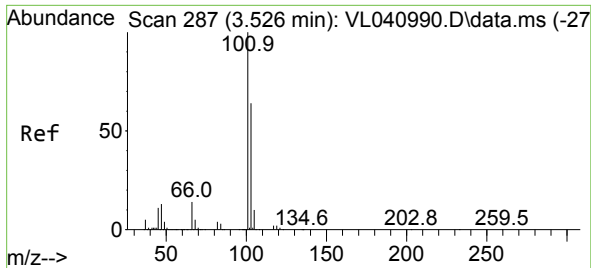
Tgt Ion: 85 Resp: 5989
Ion Ratio Lower Upper
85 100
135 58.3 55.0 82.6



#9
Propene
Concen: 0.038 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.010 min
Lab File: VL041019.D
Acq: 24 Jan 2024 17:00

Tgt Ion: 41 Resp: 2024
Ion Ratio Lower Upper
41 100
42 106.1 59.0 88.4#

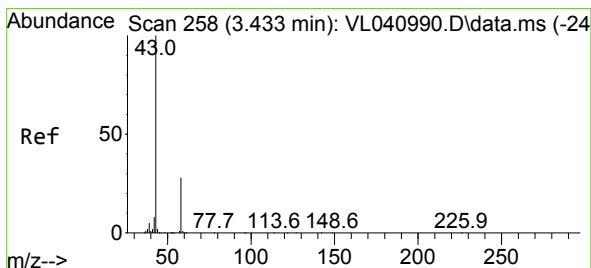
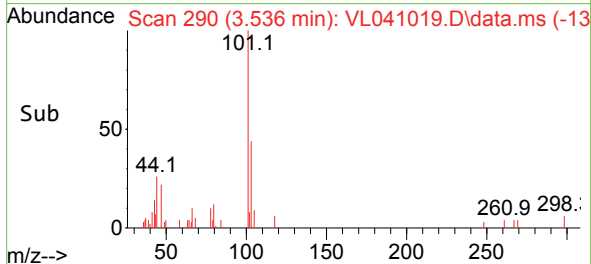
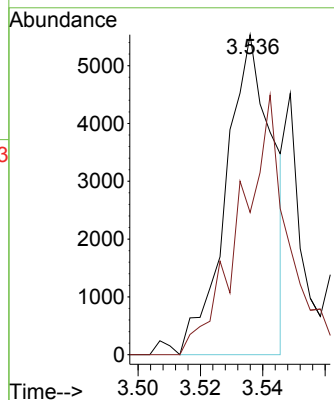
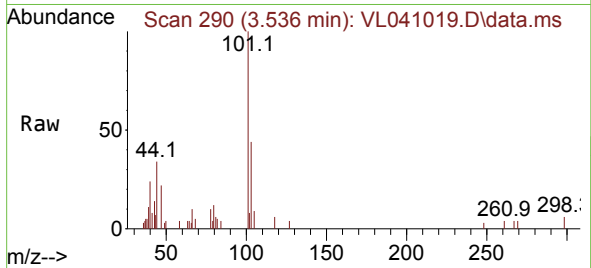




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.536 min Scan# 241
 Delta R.T. 0.006 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

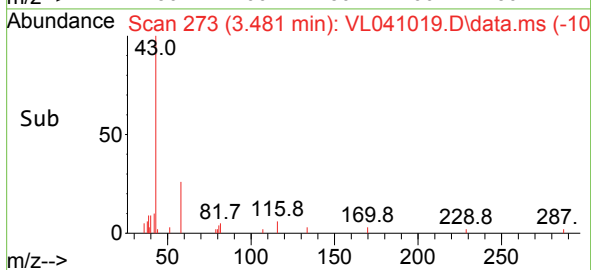
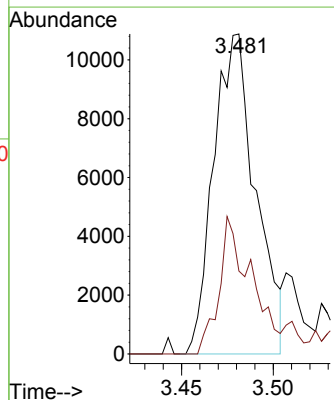
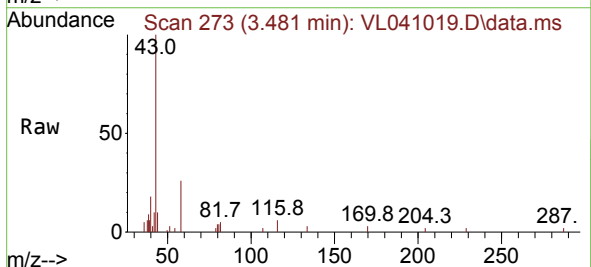
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

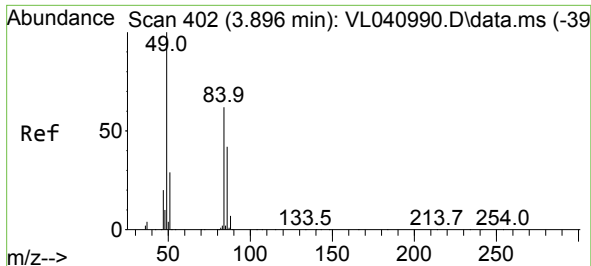
Tgt Ion:101 Resp: 5737
 Ion Ratio Lower Upper
 101 100
 103 44.5 51.4 77.2#



#15
 Acetone
 Concen: 0.140 ppbv
 RT: 3.481 min Scan# 273
 Delta R.T. 0.045 min
 Lab File: VL041019.D
 Acq: 24 Jan 2024 17:00

Tgt Ion: 43 Resp: 17313
 Ion Ratio Lower Upper
 43 100
 58 43.0 22.2 33.2#



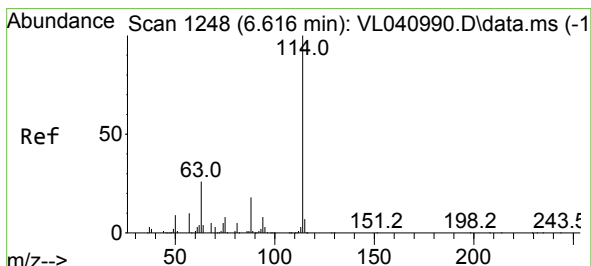
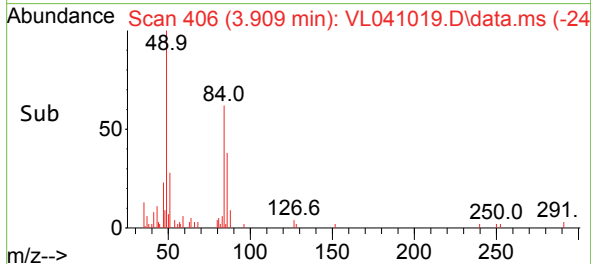
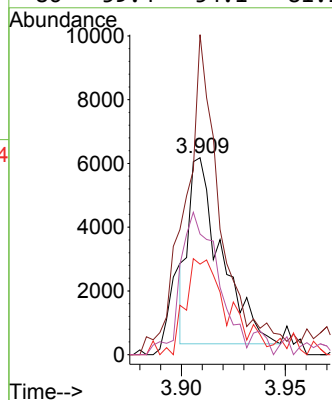
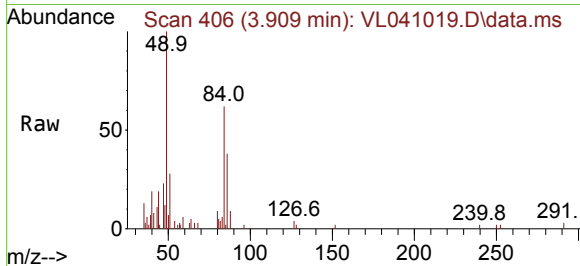


#20
Methylene Chloride
Concen: 0.135 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.010 min
Lab File: VL041019.D
Acq: 24 Jan 2024 17:00

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

Tgt Ion: 84 Resp: 6398

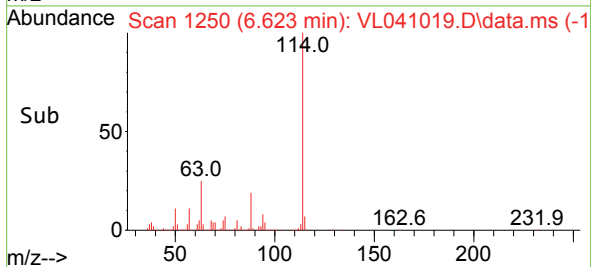
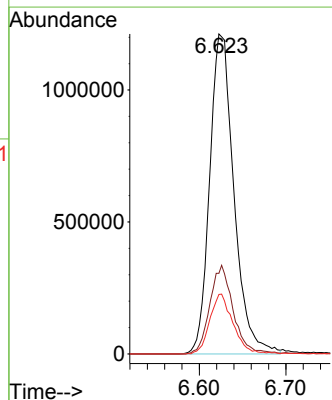
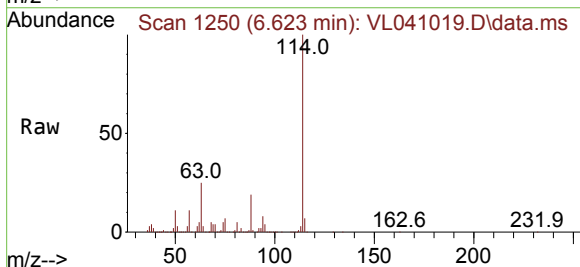
Ion	Ratio	Lower	Upper
84	100		
49	161.1	128.1	192.1
51	39.9	36.5	54.7
86	59.4	54.1	81.1

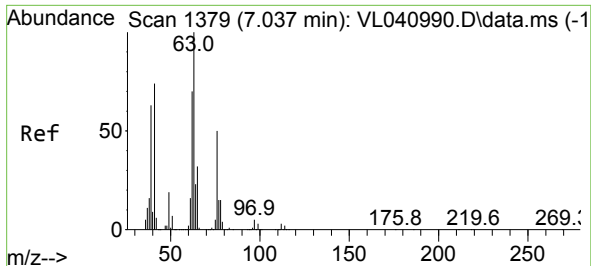


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.623 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VL041019.D
Acq: 24 Jan 2024 17:00

Tgt Ion: 114 Resp: 2363894

Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.8	31.2
88	18.1	14.3	21.5





#39

1,2-Dichloropropane

Concen: 0.101 ppbv

RT: 6.671 min Scan# 11

Delta R.T. -0.367 min

Lab File: VL041019.D

Acq: 24 Jan 2024 17:00

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

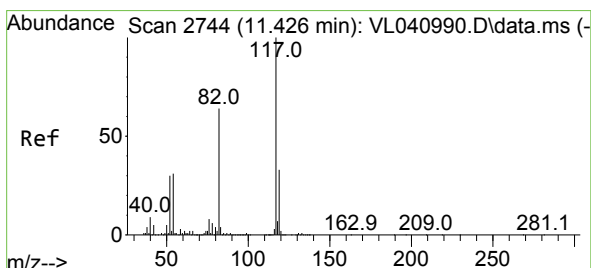
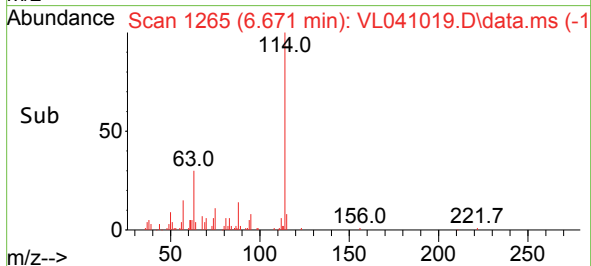
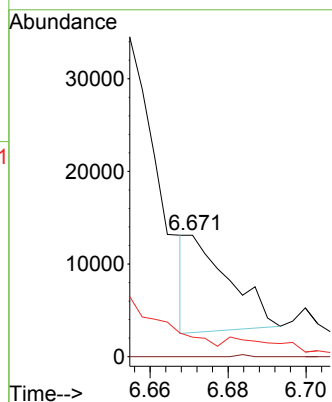
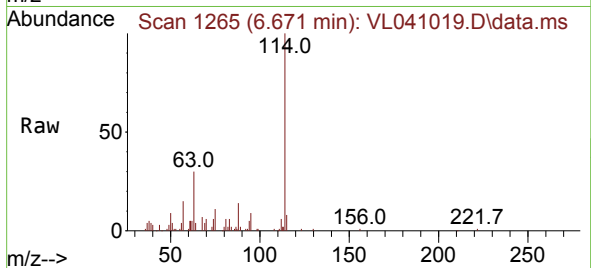
Tgt Ion: 63 Resp: 7795

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 7.1 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 2747

Delta R.T. 0.006 min

Lab File: VL041019.D

Acq: 24 Jan 2024 17:00

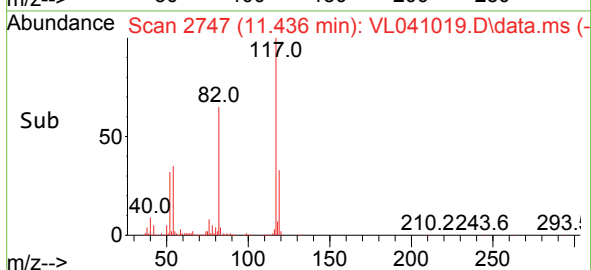
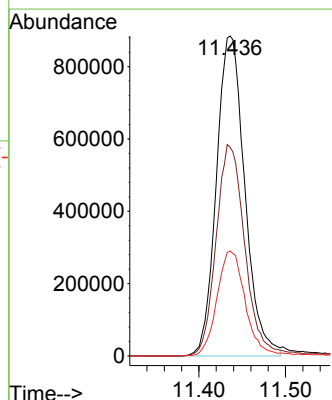
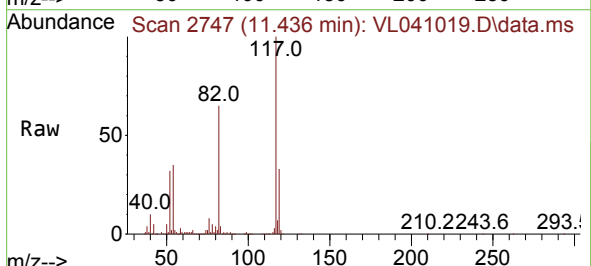
Tgt Ion: 117 Resp: 2014602

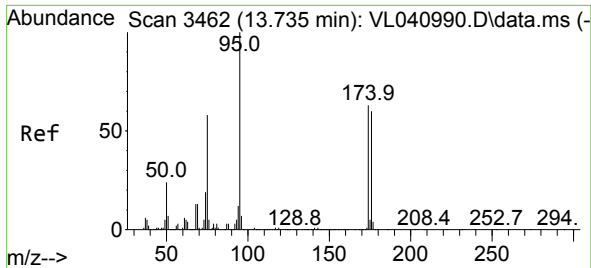
Ion Ratio Lower Upper

117 100

82 68.1 51.7 77.5

119 33.5 23.8 35.6





#68

1-Bromo-4-Fluorobenzene

Concen: 10.159 ppbv

RT: 13.748 min Scan# 34

Delta R.T. 0.010 min

Lab File: VL041019.D

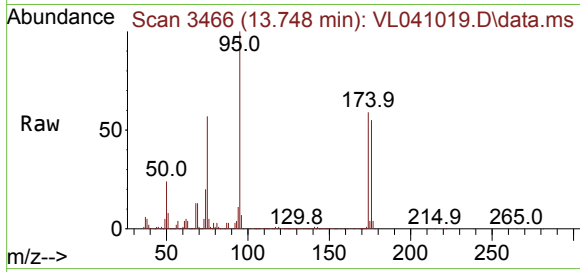
Acq: 24 Jan 2024 17:00

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion: 95 Resp: 1545876

Ion Ratio Lower Upper

95 100

174 59.2 49.1 73.7

175 4.5 3.7 5.5

