

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041020.D
 Acq On : 24 Jan 2024 17:37
 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 03:21:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

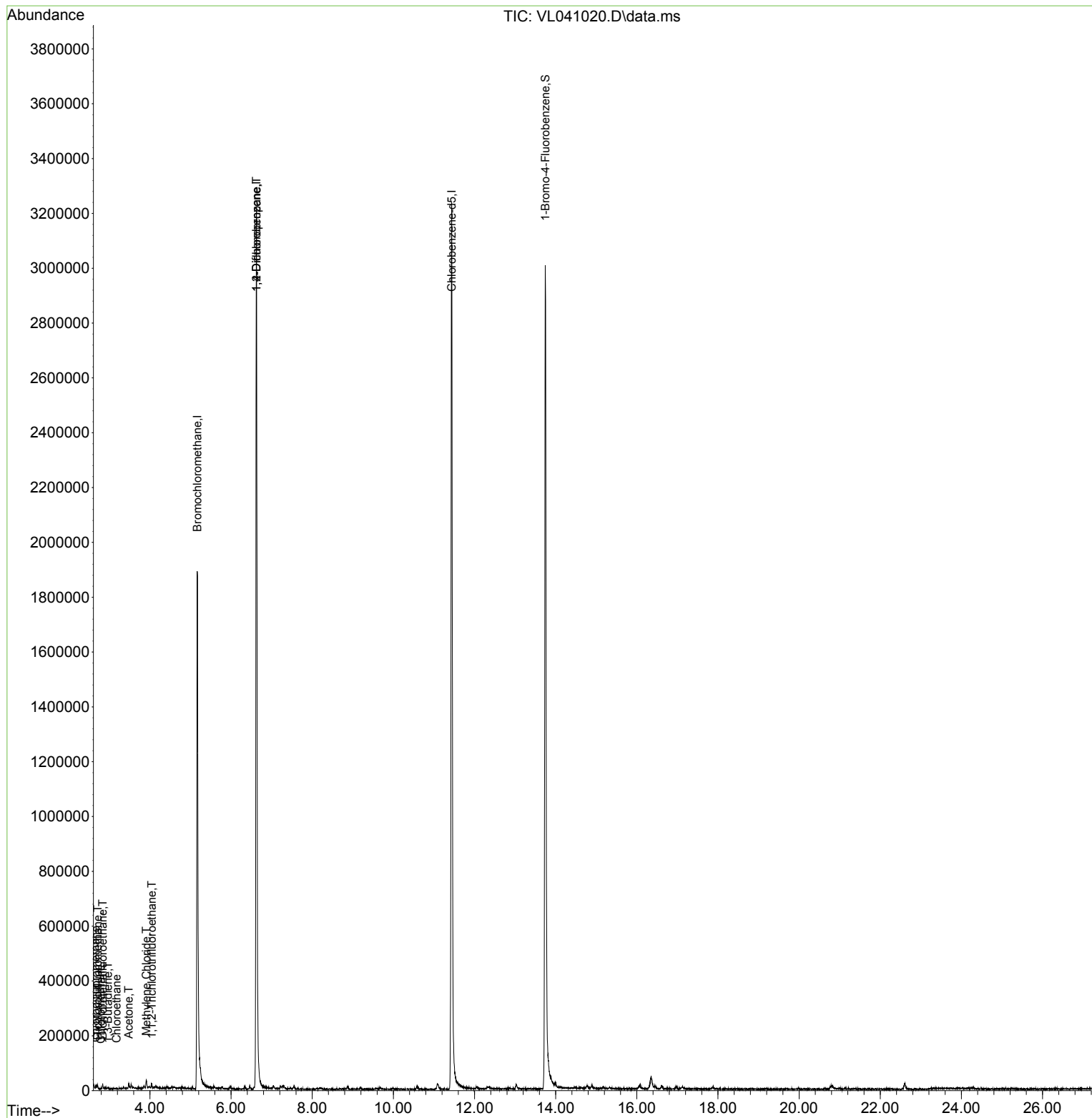
Internal Standards						
1) Bromochloromethane	5.169	49	985309	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.626	114	2353723	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	1976678	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1505820	10.086	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	7950	0.037	ppbv	90
3) Chlorodifluoromethane	2.658	51	5815	0.035	ppbv #	79
4) Chloromethane	2.790	50	2374	0.038	ppbv #	74
7) Chloroethane	3.179	64	956	0.044	ppbv #	79
8) Dichlorotetrafluoroethane	2.835	85	6749	0.042	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.044	101	3864	0.030	ppbv #	57
15) Acetone	3.478	43	14542	0.115	ppbv #	74
16) 1,3-Butadiene	2.964	39	2220	0.037	ppbv #	69
20) Methylene Chloride	3.909	84	4875	0.101	ppbv #	57
39) 1,2-Dichloropropane	6.626	63	608649	7.948	ppbv #	24

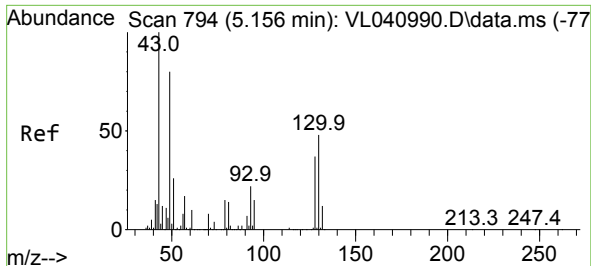
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 03:21:28 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

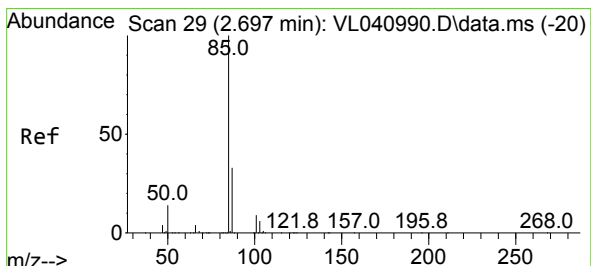
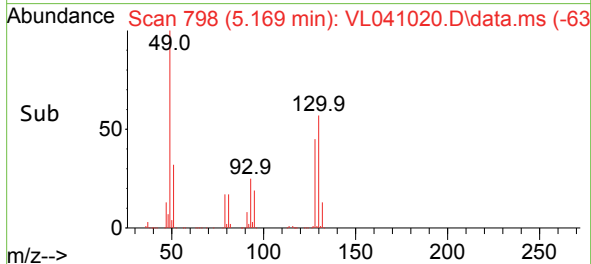
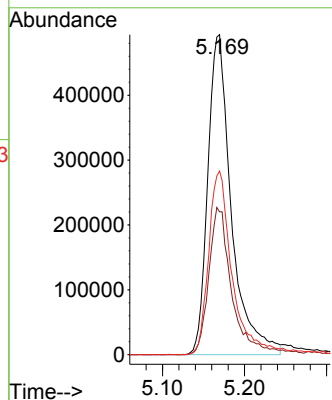
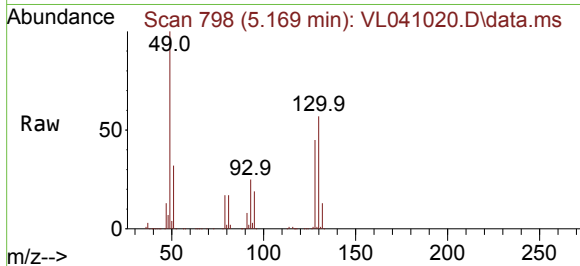




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 794
 Delta R.T. 0.013 min
 Lab File: VL041020.D
 Acq: 24 Jan 2024 17:37

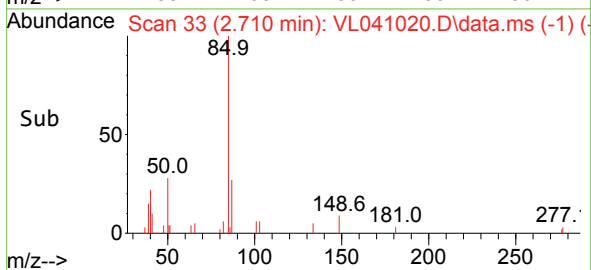
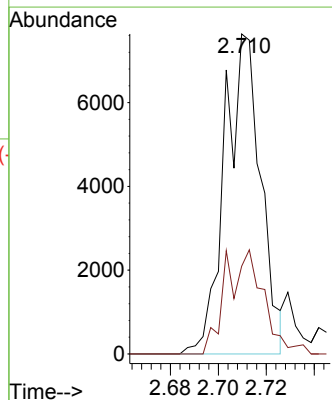
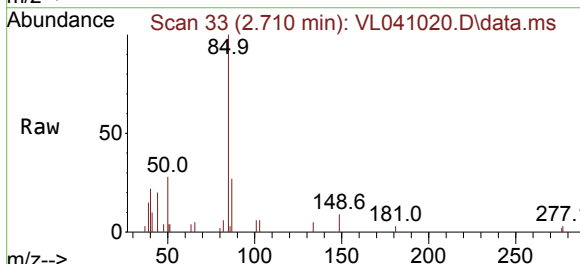
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

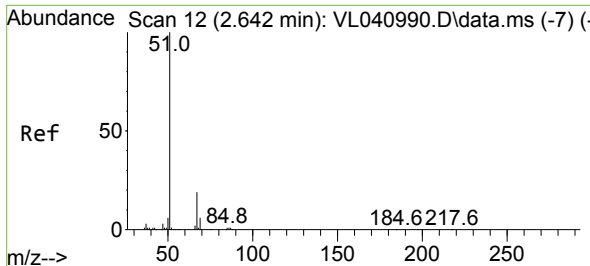
Tgt Ion: 49 Resp: 985309
 Ion Ratio Lower Upper
 49 100
 128 46.3 23.9 71.7
 130 58.8 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.037 ppbv
 RT: 2.710 min Scan# 33
 Delta R.T. 0.010 min
 Lab File: VL041020.D
 Acq: 24 Jan 2024 17:37

Tgt Ion: 85 Resp: 7950
 Ion Ratio Lower Upper
 85 100
 87 27.4 26.3 39.5

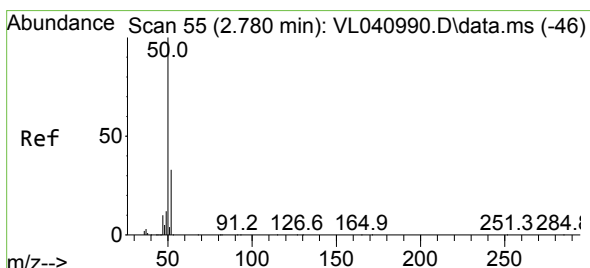
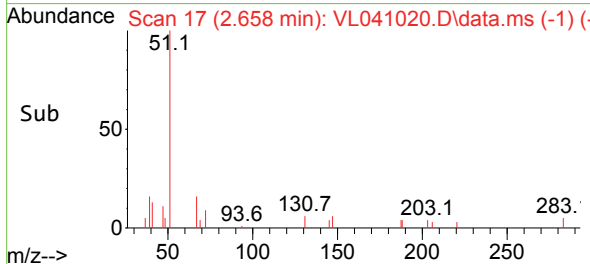
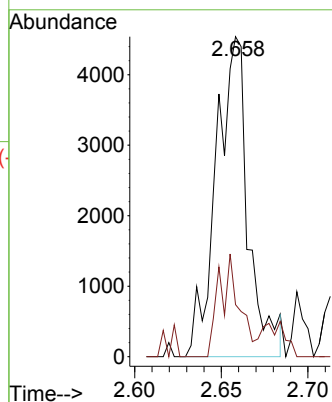
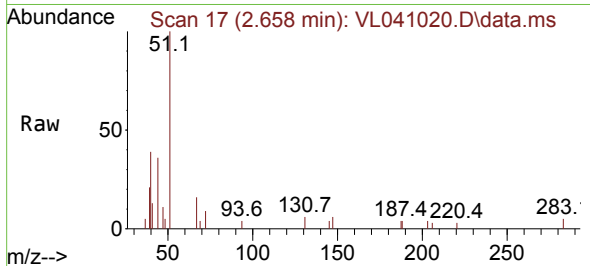




#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

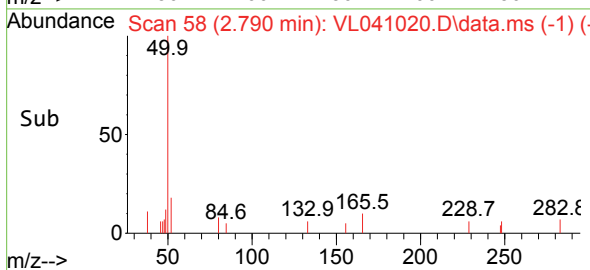
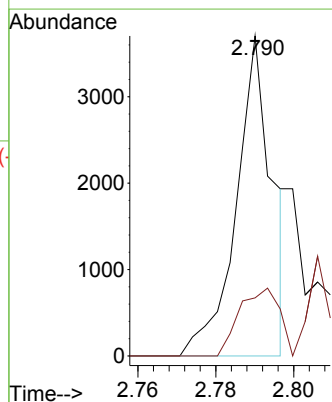
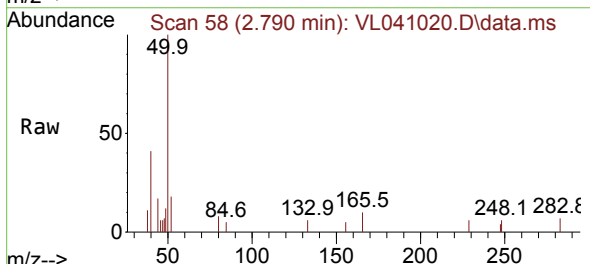
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

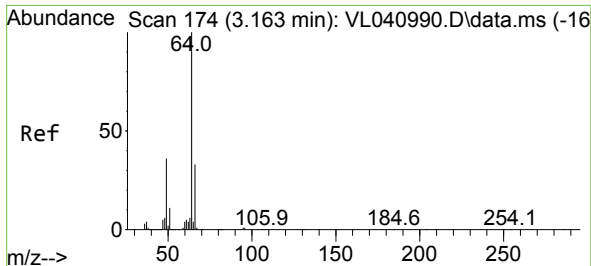
Tgt Ion: 51 Resp: 5815
Ion Ratio Lower Upper
51 100
67 28.0 14.8 22.2#



#4
Chloromethane
Concen: 0.038 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.007 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

Tgt Ion: 50 Resp: 2374
Ion Ratio Lower Upper
50 100
52 18.1 26.2 39.4#

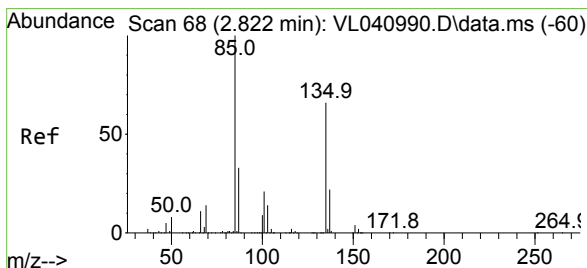
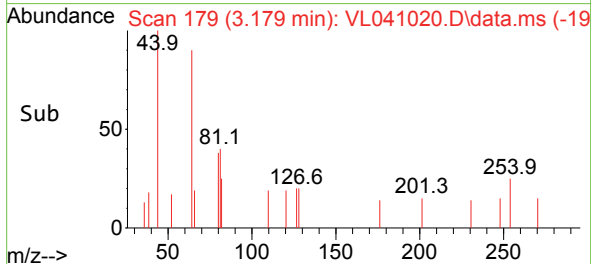
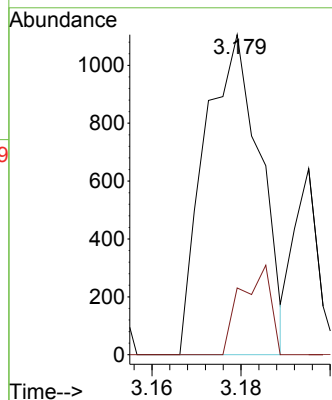
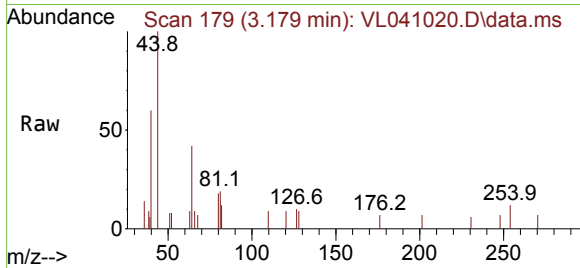




#7
Chloroethane
Concen: 0.044 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

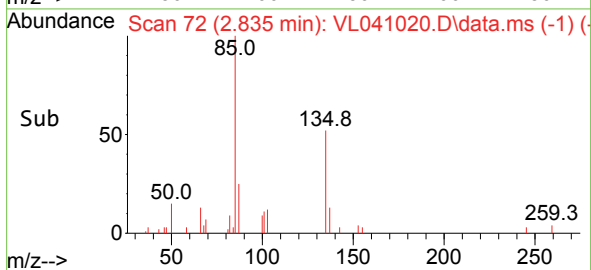
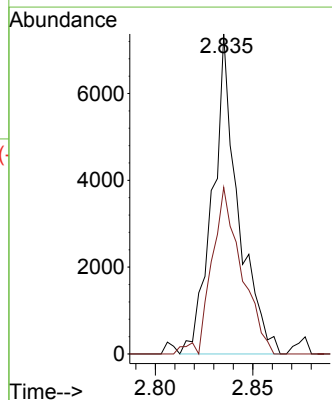
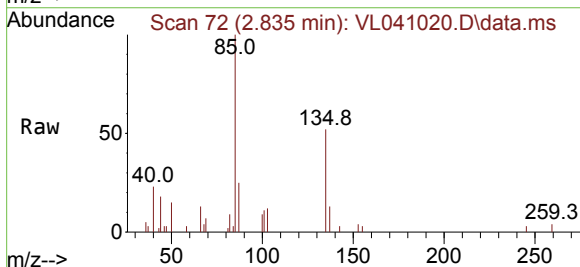
Instrument :
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ClientSampleId :
LOD-MDL-AIR-01-QT1-2024

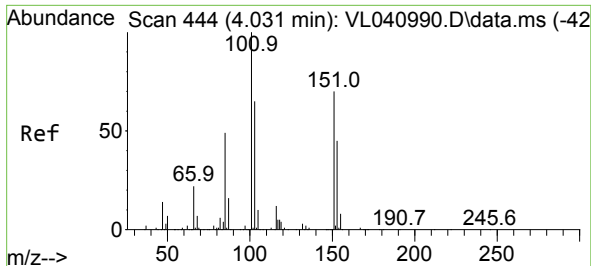
Tgt Ion: 64 Resp: 956
Ion Ratio Lower Upper
64 100
66 20.9 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.042 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

Tgt Ion: 85 Resp: 6749
Ion Ratio Lower Upper
85 100
135 60.4 55.0 82.6

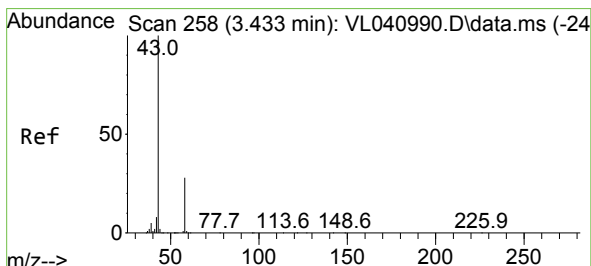
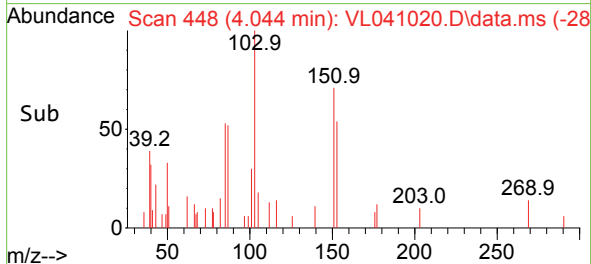
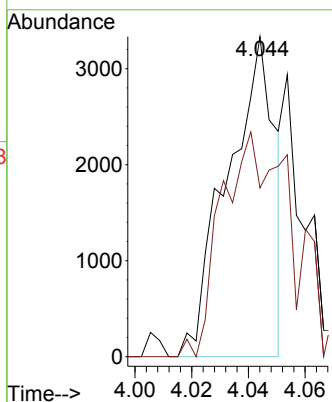
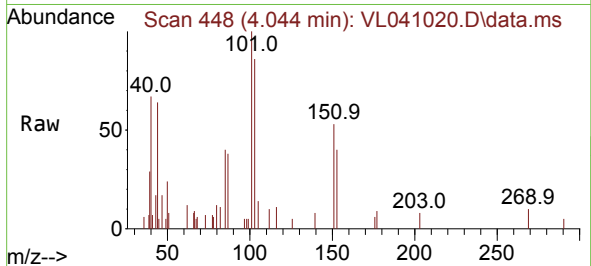




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.030 ppbv
RT: 4.044 min Scan# 444
Delta R.T. 0.013 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

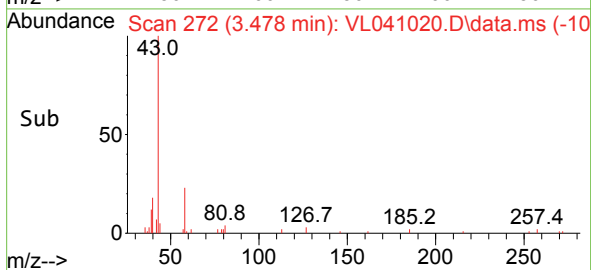
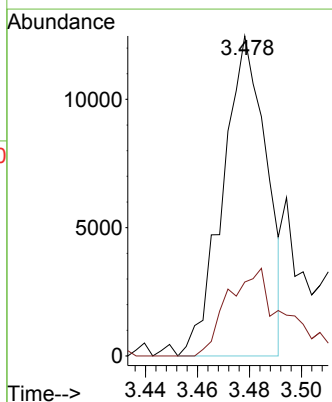
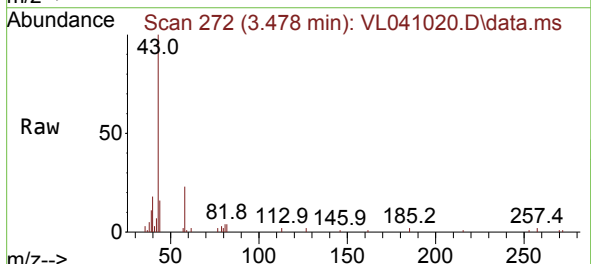
Instrument :
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ClientSampleId :
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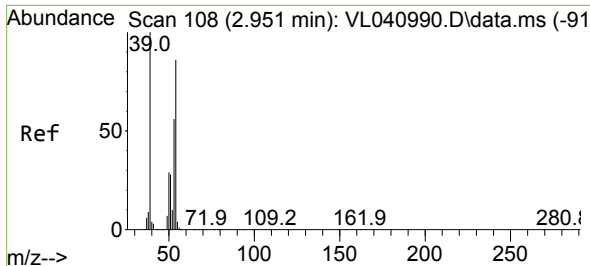
Tgt Ion:101 Resp: 3864
Ion Ratio Lower Upper
101 100
151 106.2 56.6 85.0#



#15
Acetone
Concen: 0.115 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.042 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

Tgt Ion: 43 Resp: 14542
Ion Ratio Lower Upper
43 100
58 41.4 22.2 33.2#

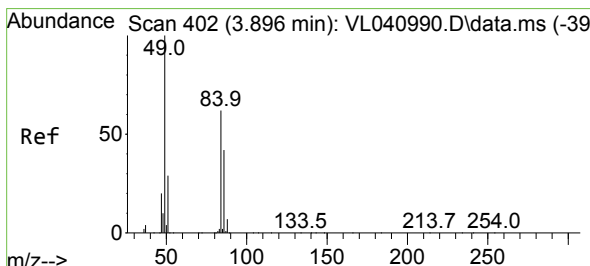
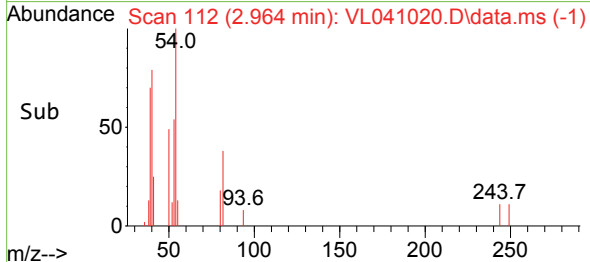
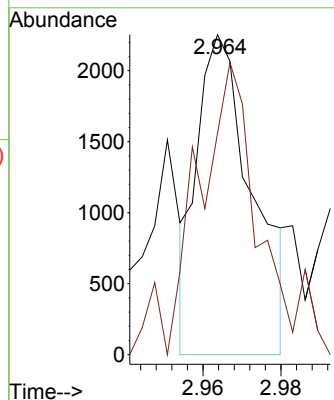
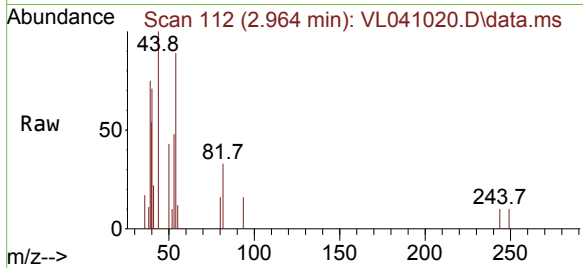




#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.010 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

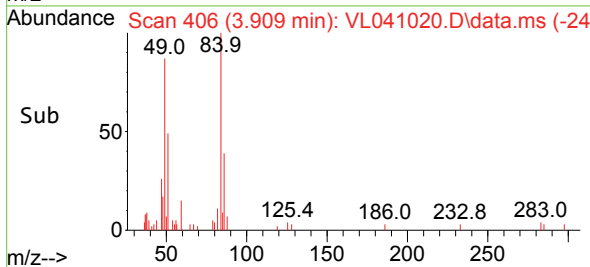
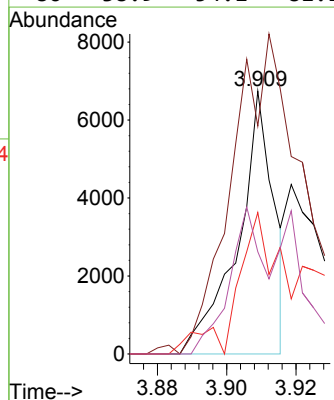
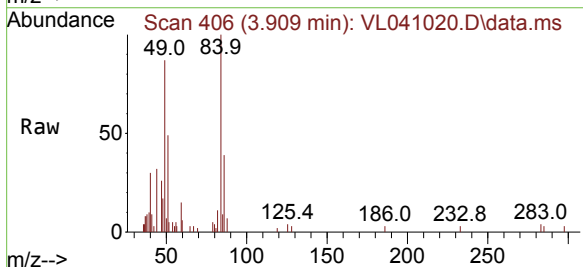
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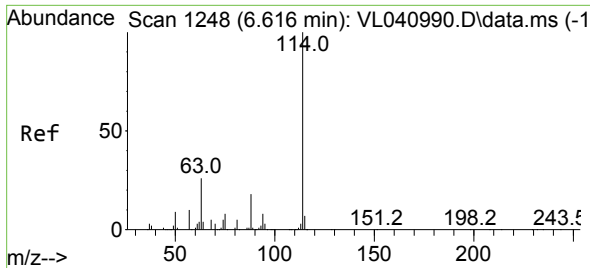
Tgt Ion: 39 Resp: 2220
Ion Ratio Lower Upper
39 100
54 105.5 62.7 94.1#



#20
Methylene Chloride
Concen: 0.101 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.010 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

Tgt Ion: 84 Resp: 4875
Ion Ratio Lower Upper
84 100
49 86.7 128.1 192.1#
51 50.1 36.5 54.7
86 38.9 54.1 81.1#

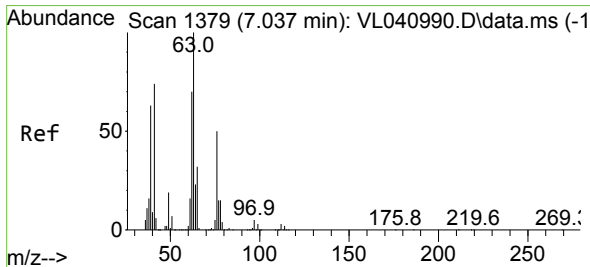
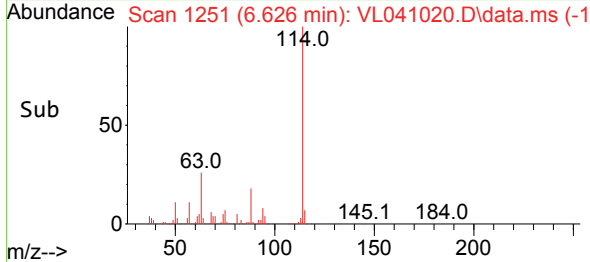
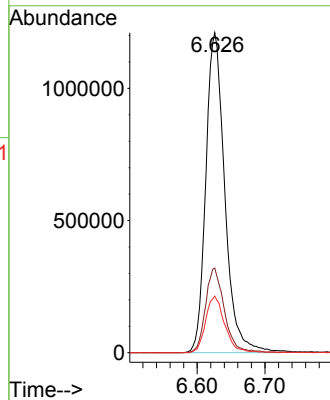
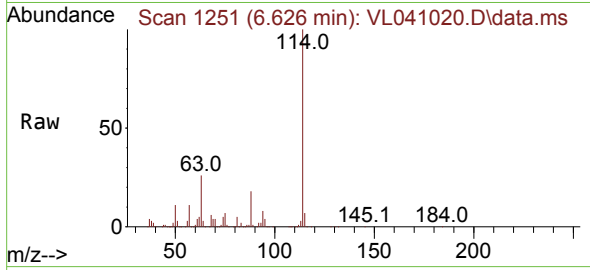




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

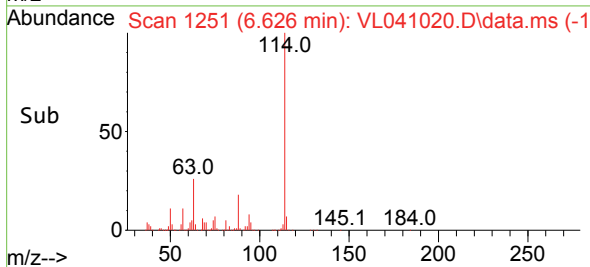
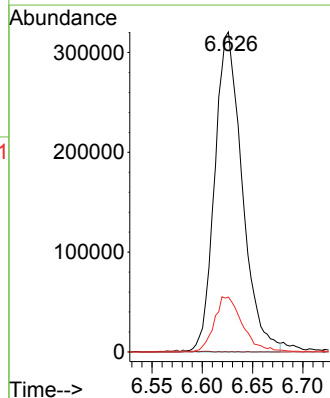
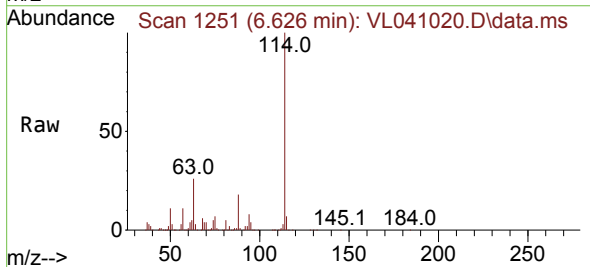
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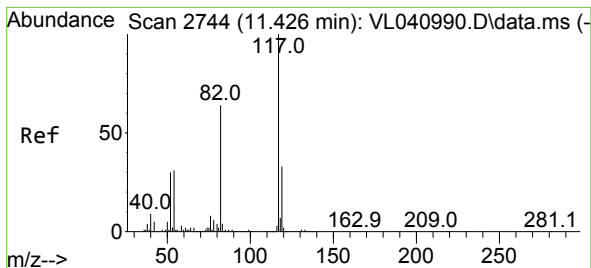
Tgt Ion:114 Resp: 2353723
Ion Ratio Lower Upper
114 100
63 26.6 20.8 31.2
88 18.1 14.3 21.5



#39
1,2-Dichloropropane
Concen: 7.948 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.411 min
Lab File: VL041020.D
Acq: 24 Jan 2024 17:37

Tgt Ion: 63 Resp: 608649
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 17.2 55.6 83.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041020.D

Acq: 24 Jan 2024 17:37

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2024

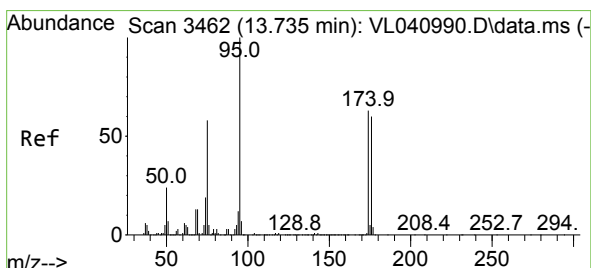
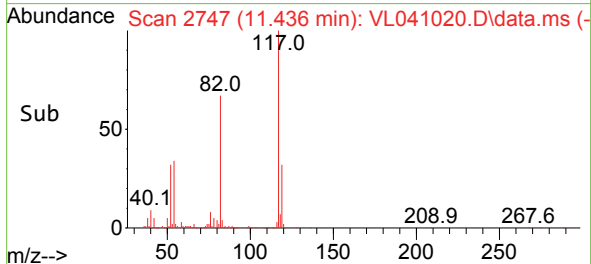
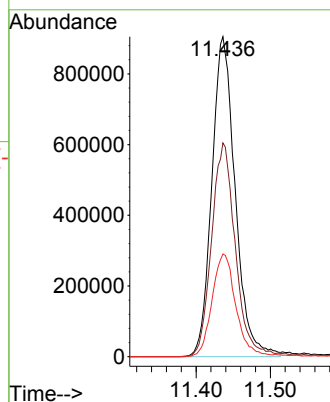
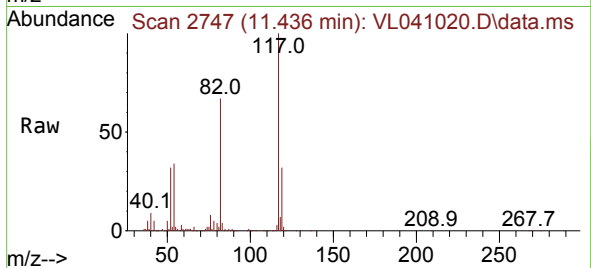
Tgt Ion:117 Resp: 1976678

Ion Ratio Lower Upper

117 100

82 68.6 51.7 77.5

119 33.1 23.8 35.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.086 ppbv

RT: 13.745 min Scan# 3465

Delta R.T. 0.007 min

Lab File: VL041020.D

Acq: 24 Jan 2024 17:37

Tgt Ion: 95 Resp: 1505820

Ion Ratio Lower Upper

95 100

174 59.9 49.1 73.7

175 4.7 3.7 5.5

