

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020724\
 Data File : VL041046.D
 Acq On : 7 Feb 2024 22:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Feb 08 02:46:46 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 Feb 08 02:04:13 2024
 Response via : Initial Calibration

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

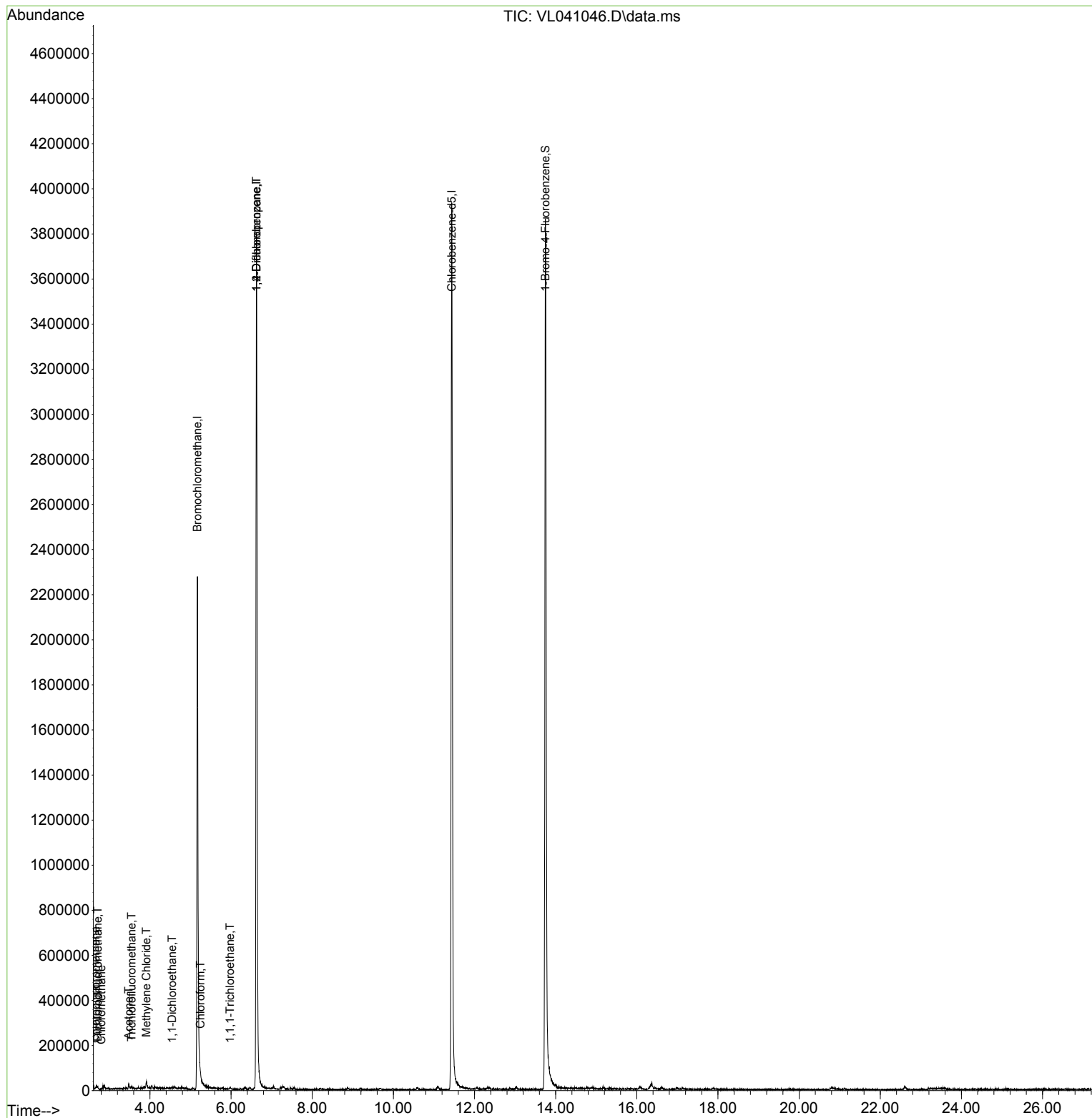
Internal Standards						
1) Bromochloromethane	5.169	49	1139409	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2830075	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2508705	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1957591	10.331	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	6368	0.025	ppbv #	57
3) Chlorodifluoromethane	2.661	51	5752	0.030	ppbv	98
4) Chloromethane	2.799	50	2682	0.037	ppbv	96
11) Trichlorofluoromethane	3.545	101	4755	0.023	ppbv	86
15) Acetone	3.478	43	18456	0.127	ppbv #	78
20) Methylene Chloride	3.915	84	8545	0.152	ppbv #	75
24) 1,1-Dichloroethane	4.542	63	3285	0.025	ppbv #	79
29) Chloroform	5.250	83	4737	0.024	ppbv #	52
32) 1,1,1-Trichloroethane	5.976	97	4519	0.024	ppbv	95
39) 1,2-Dichloropropane	6.629	63	720575	7.826	ppbv #	23

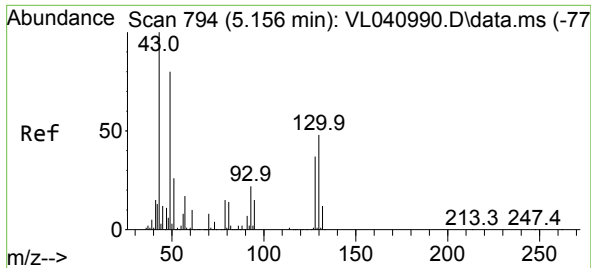
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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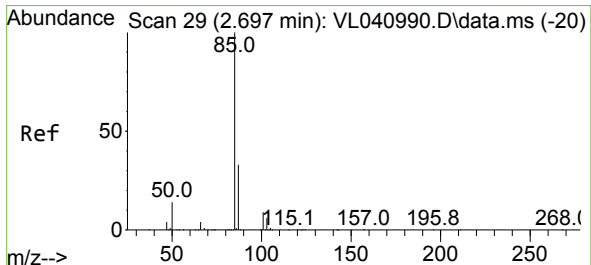
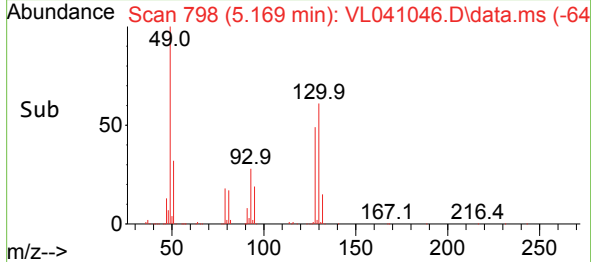
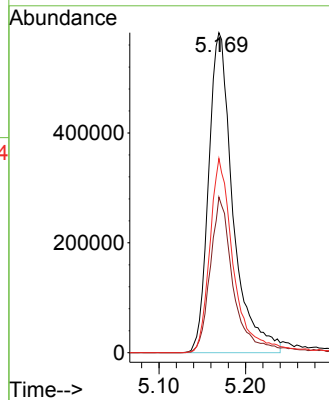
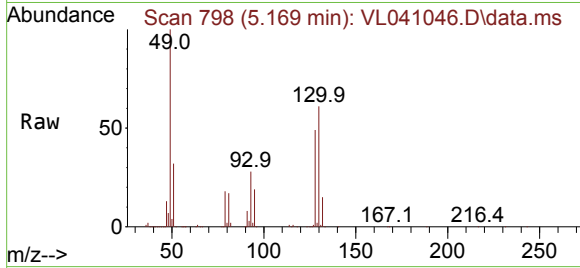




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 794
 Delta R.T. 0.003 min
 Lab File: VL041046.D
 Acq: 7 Feb 2024 22:05

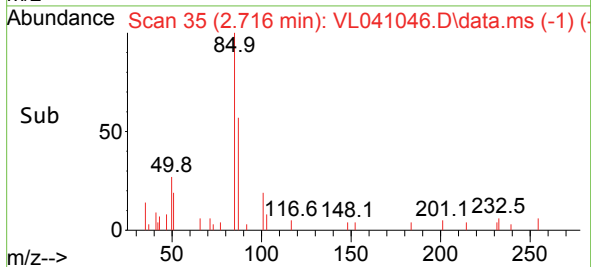
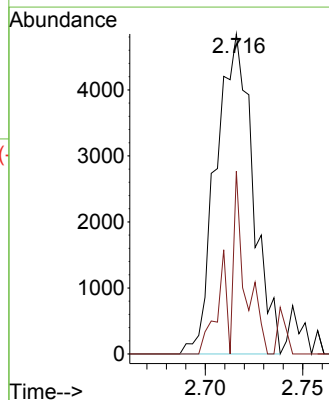
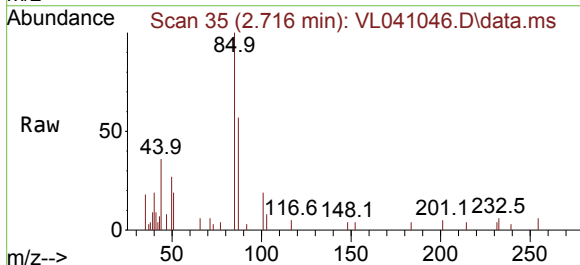
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

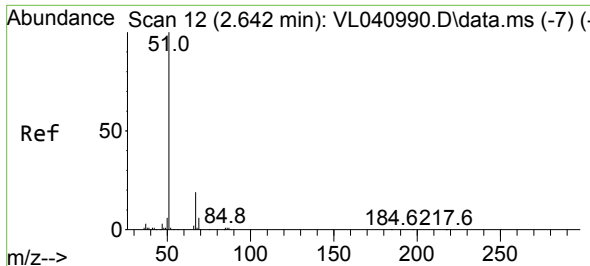
Tgt Ion: 49 Resp: 1139409
 Ion Ratio Lower Upper
 49 100
 128 47.3 23.9 71.7
 130 60.7 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.025 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.013 min
 Lab File: VL041046.D
 Acq: 7 Feb 2024 22:05

Tgt Ion: 85 Resp: 6368
 Ion Ratio Lower Upper
 85 100
 87 57.1 26.3 39.5

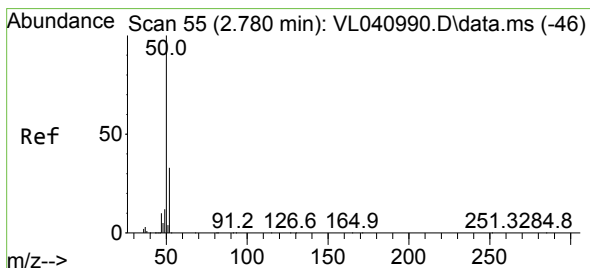
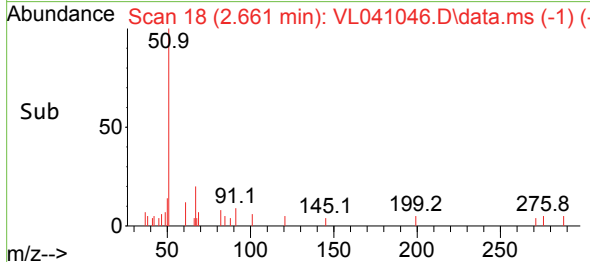
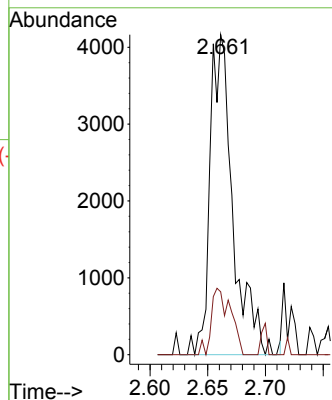
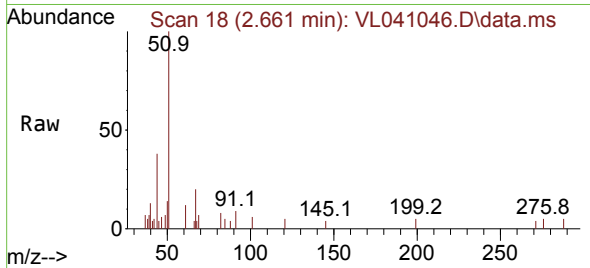




#3
Chlorodifluoromethane
Concen: 0.030 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

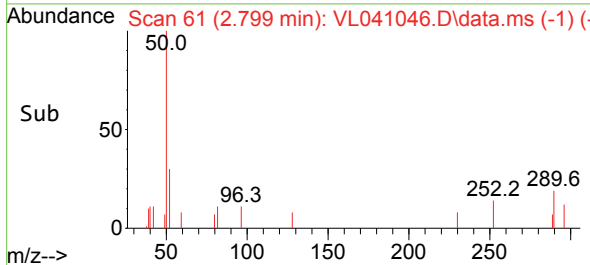
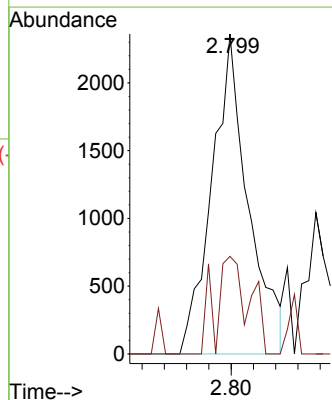
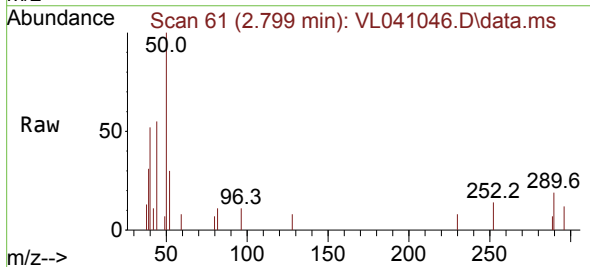
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

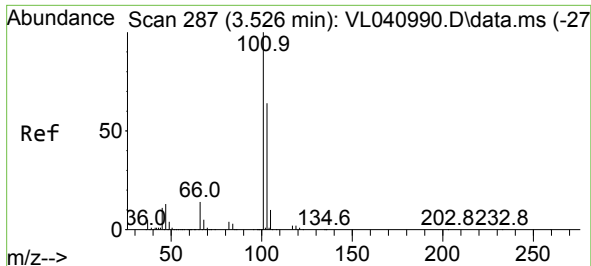
Tgt Ion: 51 Resp: 5752
Ion Ratio Lower Upper
51 100
67 17.6 14.8 22.2



#4
Chloromethane
Concen: 0.037 ppbv
RT: 2.799 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

Tgt Ion: 50 Resp: 2682
Ion Ratio Lower Upper
50 100
52 30.5 26.2 39.4

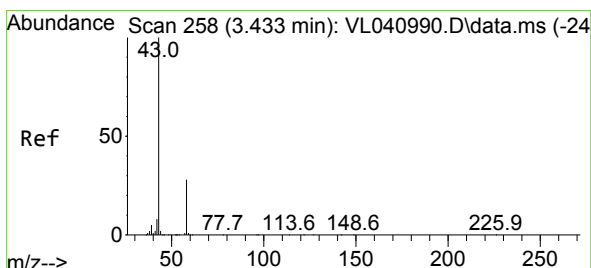
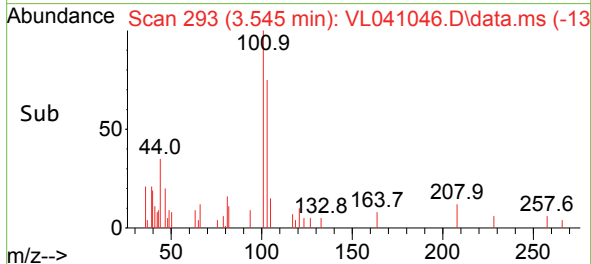
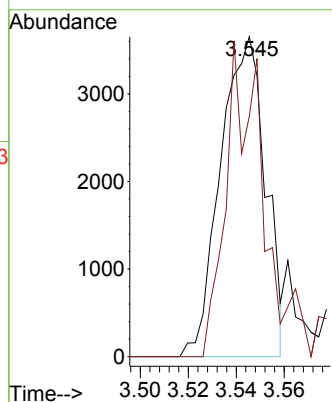
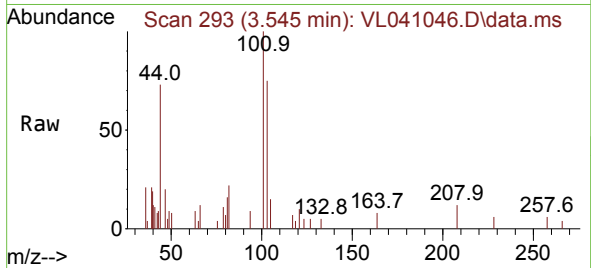




#11
 Trichlorofluoromethane
 Concen: 0.023 ppbv
 RT: 3.545 min Scan# 241
 Delta R.T. 0.013 min
 Lab File: VL041046.D
 Acq: 7 Feb 2024 22:05

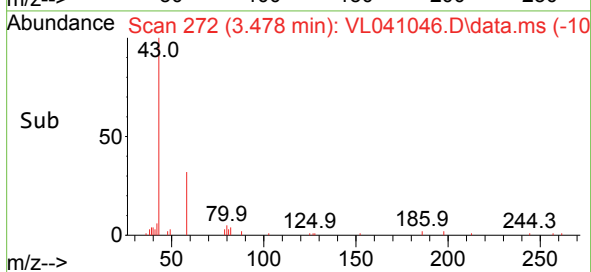
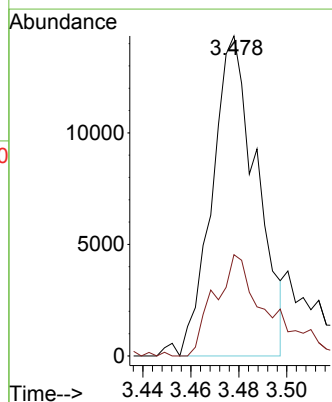
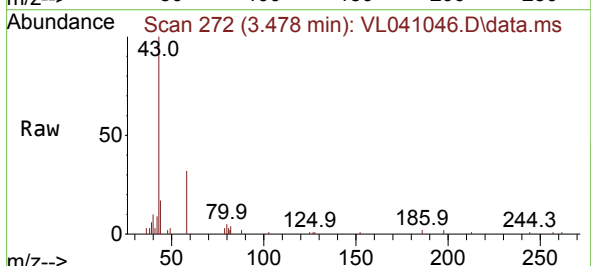
Instrument :
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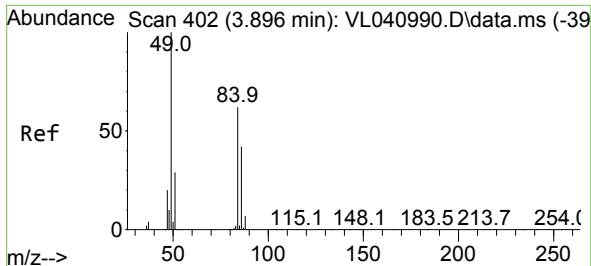
Tgt Ion:101 Resp: 4755
 Ion Ratio Lower Upper
 101 100
 103 75.2 51.4 77.2



#15
 Acetone
 Concen: 0.127 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. 0.039 min
 Lab File: VL041046.D
 Acq: 7 Feb 2024 22:05

Tgt Ion: 43 Resp: 18456
 Ion Ratio Lower Upper
 43 100
 58 39.3 22.2 33.2#

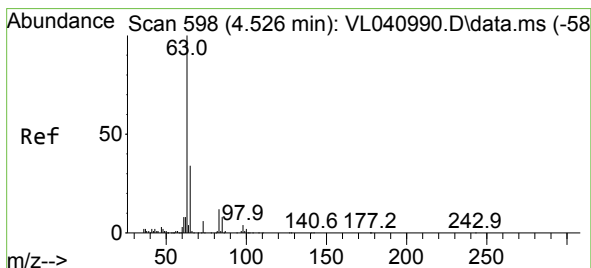
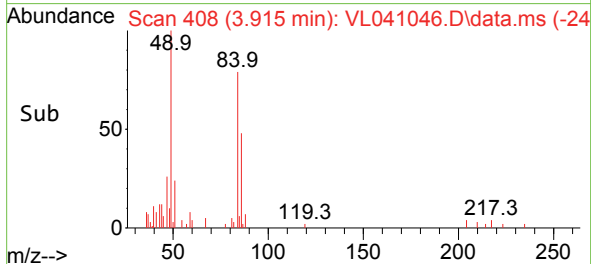
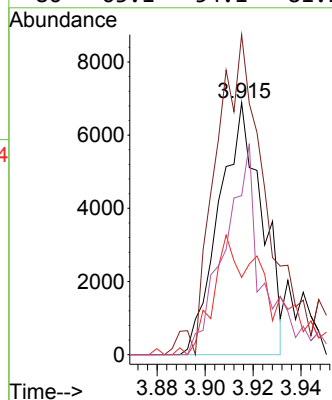
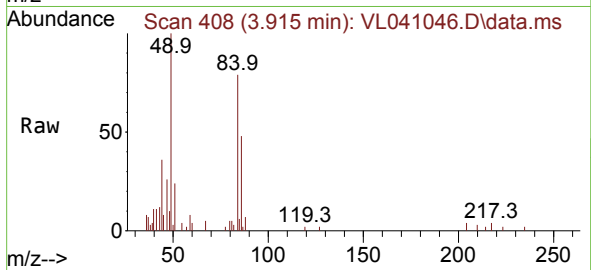




#20
Methylene Chloride
Concen: 0.152 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.010 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

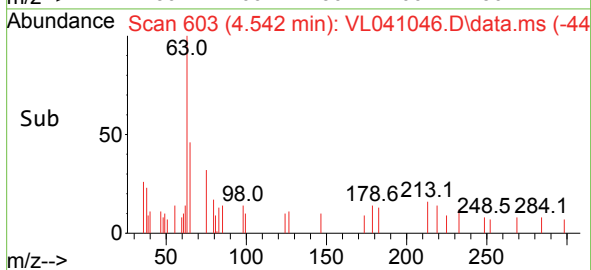
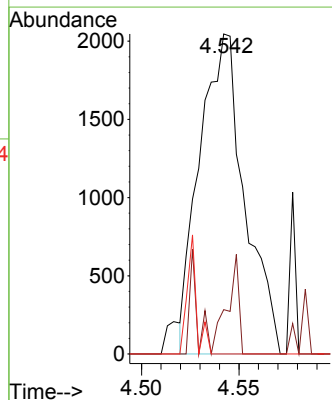
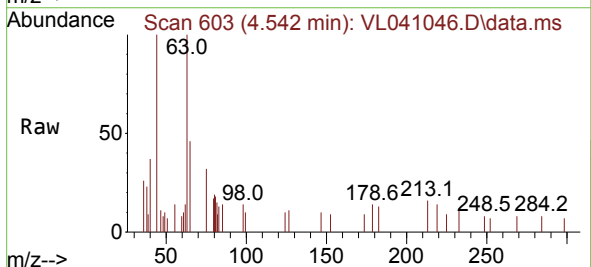
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

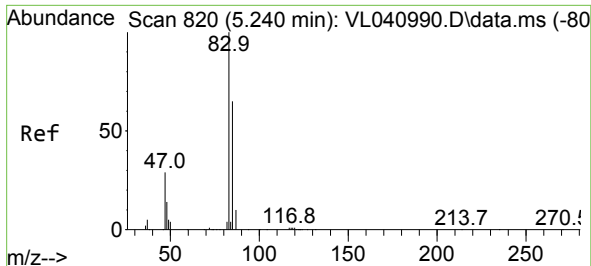
Tgt Ion: 84 Resp: 8545
Ion Ratio Lower Upper
84 100
49 117.7 128.1 192.1#
51 27.9 36.5 54.7#
86 63.1 54.1 81.1



#24
1,1-Dichloroethane
Concen: 0.025 ppbv
RT: 4.542 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

Tgt Ion: 63 Resp: 3285
Ion Ratio Lower Upper
63 100
98 13.9 2.1 6.3#
100 0.0 1.3 3.9#





#29

Chloroform

Concen: 0.024 ppbv

RT: 5.250 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041046.D

Acq: 7 Feb 2024 22:05

Instrument :

MSVOA_L

ClientSampleId :

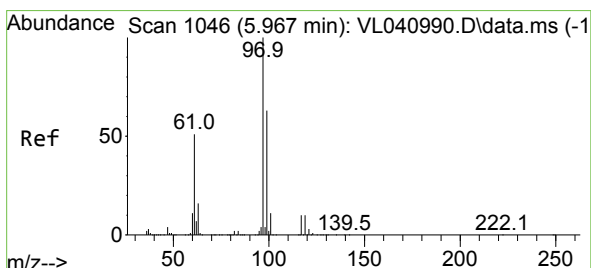
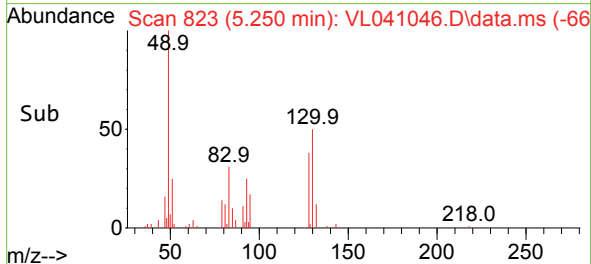
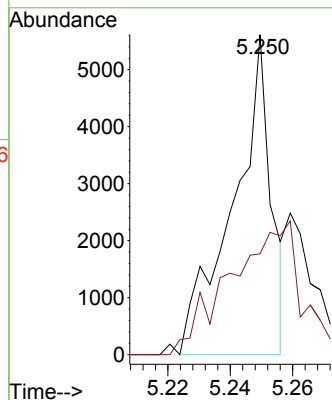
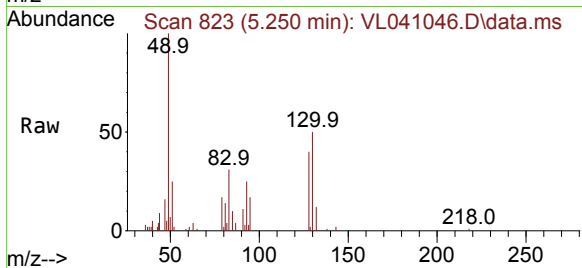
VIBLK

Tgt Ion: 83 Resp: 4737

Ion Ratio Lower Upper

83 100

85 26.8 51.6 77.4#



#32

1,1,1-Trichloroethane

Concen: 0.024 ppbv

RT: 5.976 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VL041046.D

Acq: 7 Feb 2024 22:05

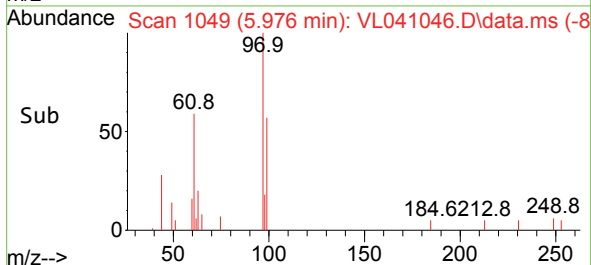
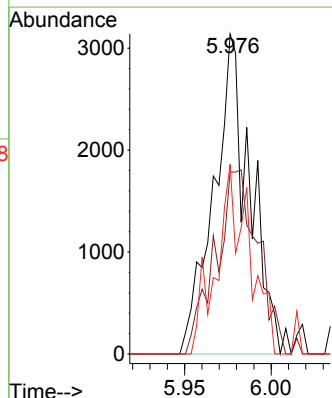
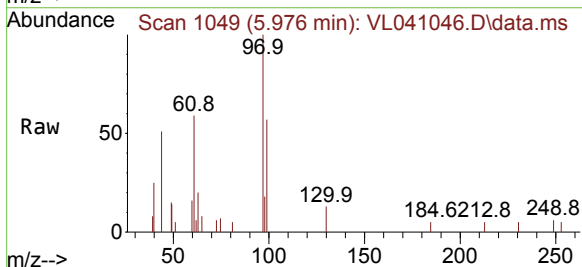
Tgt Ion: 97 Resp: 4519

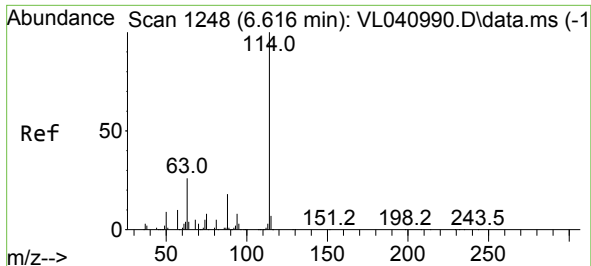
Ion Ratio Lower Upper

97 100

99 68.5 51.5 77.3

61 54.4 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041046.D

Acq: 7 Feb 2024 22:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

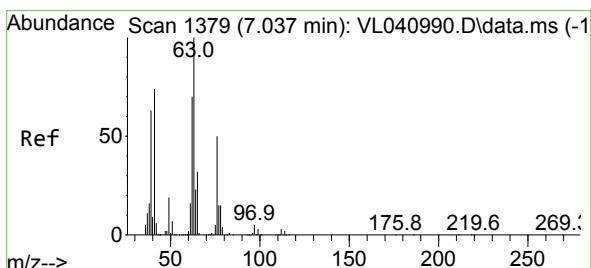
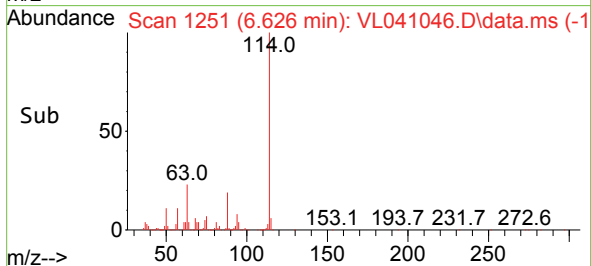
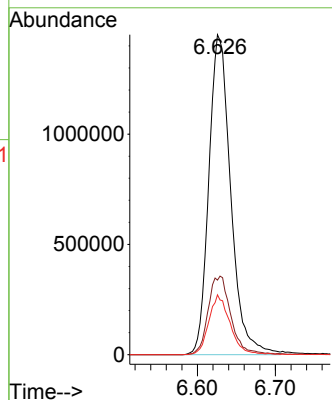
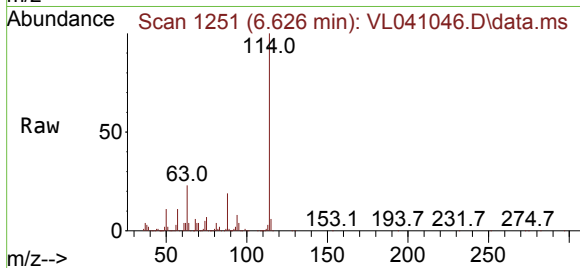
Tgt Ion:114 Resp: 2830075

Ion Ratio Lower Upper

114 100

63 25.7 20.8 31.2

88 18.2 14.3 21.5



#39

1,2-Dichloropropane

Concen: 7.826 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.418 min

Lab File: VL041046.D

Acq: 7 Feb 2024 22:05

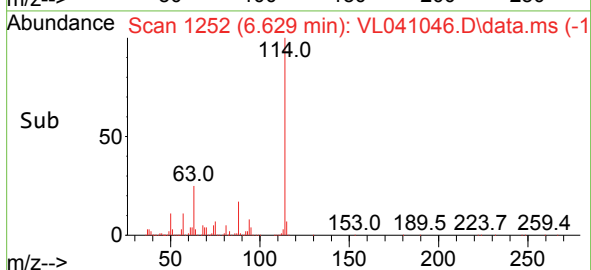
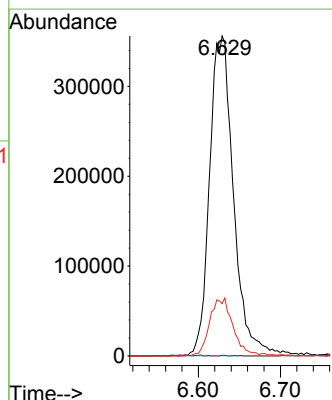
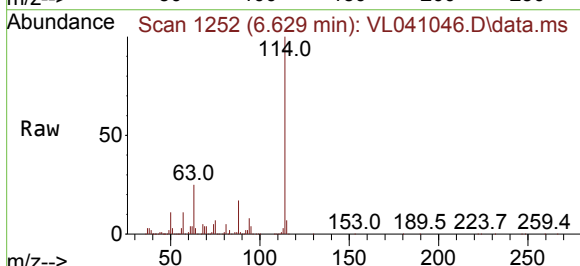
Tgt Ion: 63 Resp: 720575

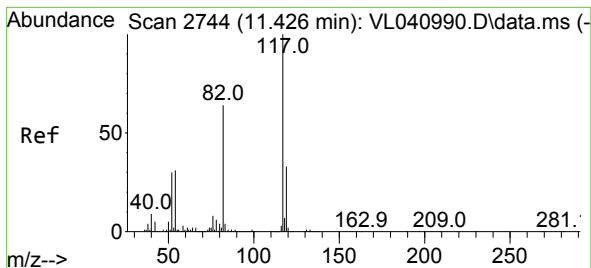
Ion Ratio Lower Upper

63 100

41 0.2 59.6 89.4#

62 16.4 55.6 83.4#

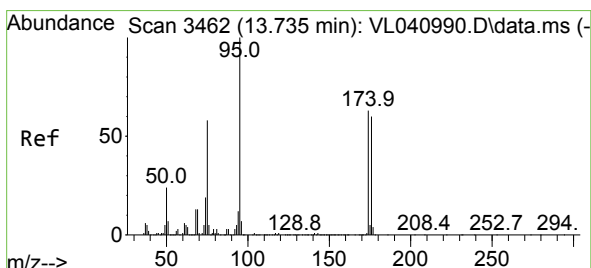
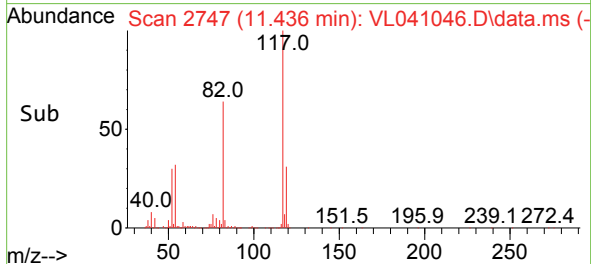
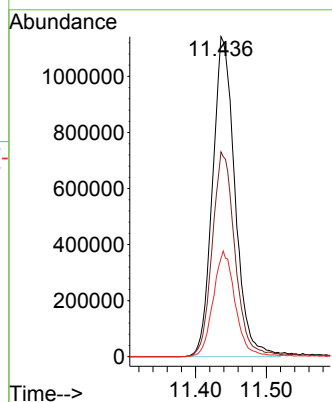
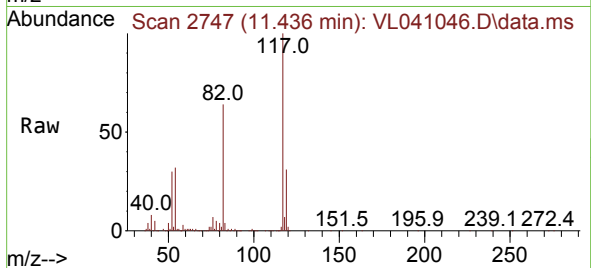




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2508705
Ion Ratio Lower Upper
117 100
82 65.7 51.7 77.5
119 33.0 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.331 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. -0.000 min
Lab File: VL041046.D
Acq: 7 Feb 2024 22:05

Tgt Ion: 95 Resp: 1957591
Ion Ratio Lower Upper
95 100
174 62.2 49.1 73.7
175 4.6 3.7 5.5

