

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040441.D
 Acq On : 16 May 2023 17:00
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: May 17 05:15:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

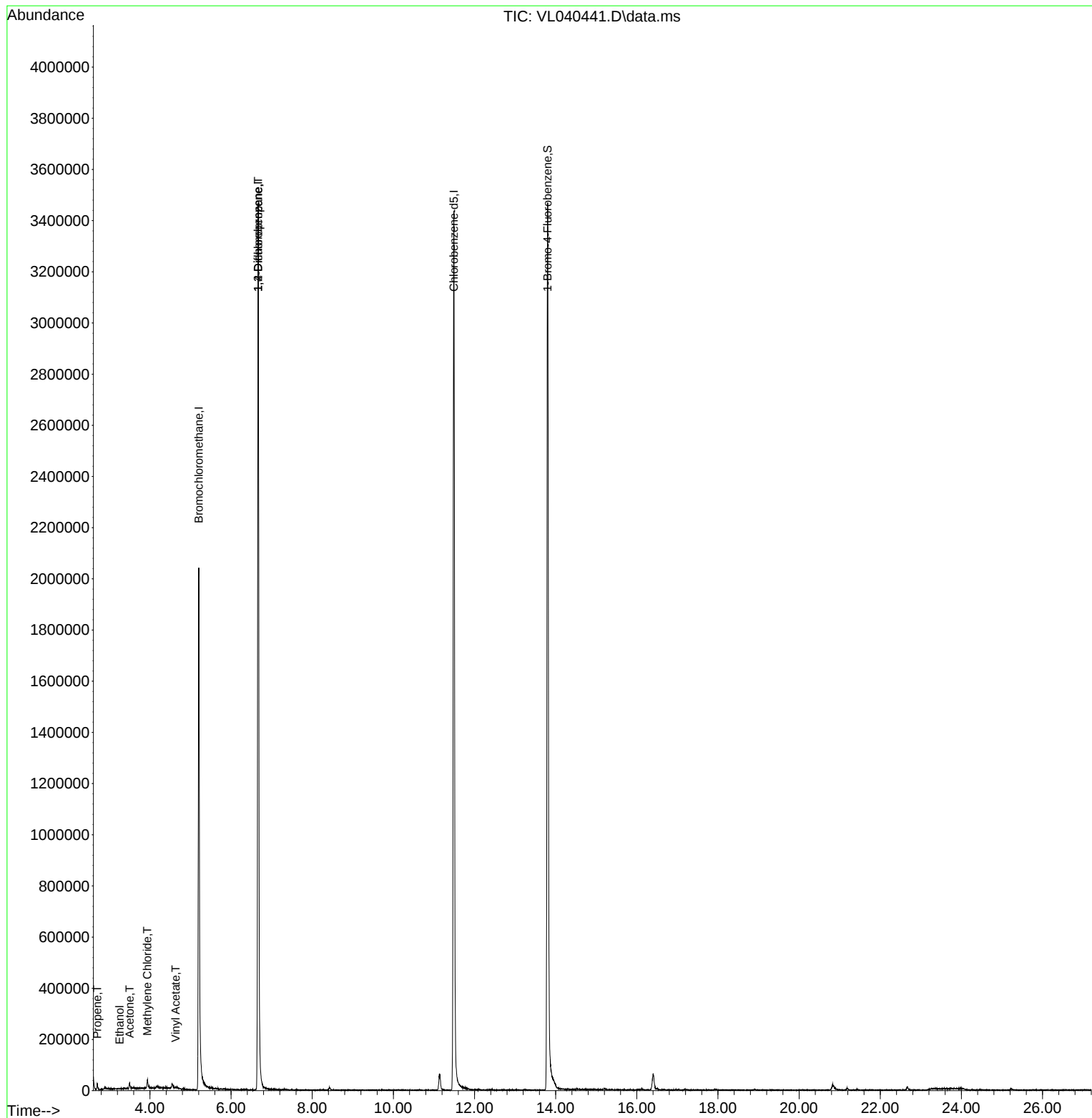
Internal Standards						
1) Bromochloromethane	5.205	49	1037933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2605633	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2188483	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1736776	9.870	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
9) Propene	2.700	41	4417	0.085	ppbv	92
13) Ethanol	3.253	45	175	0.044	ppbv #	42
15) Acetone	3.501	43	21835	0.166	ppbv #	75
20) Methylene Chloride	3.935	84	6660	0.114	ppbv #	83
23) Vinyl Acetate	4.636	43	1202	0.033	ppbv #	65
39) 1,2-Dichloropropane	6.668	63	662915	7.997	ppbv #	23

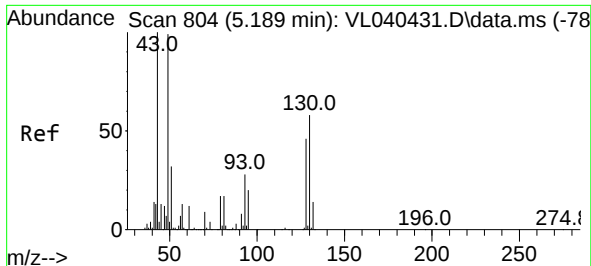
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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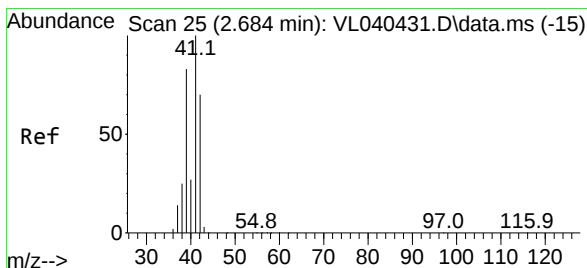
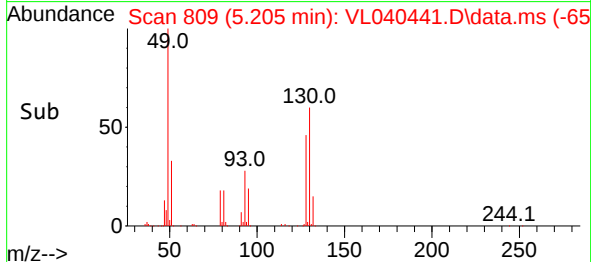
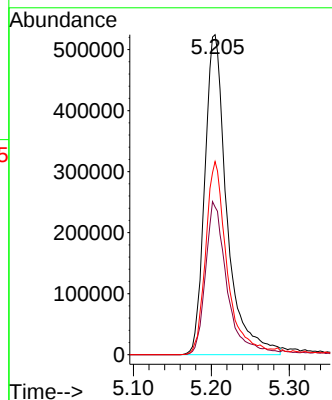
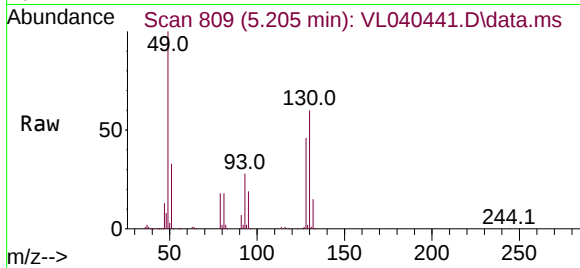




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

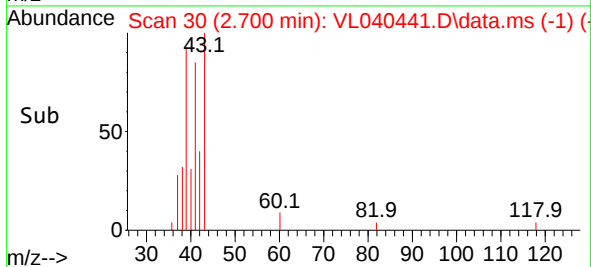
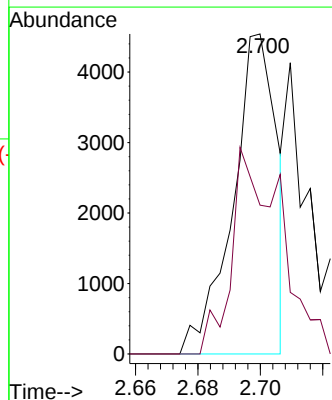
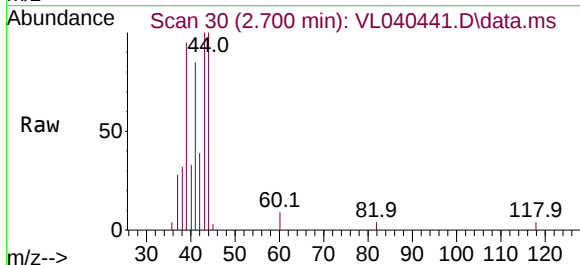
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

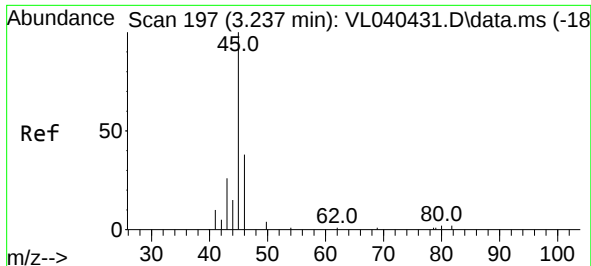
Tgt Ion: 49 Resp: 1037933
Ion Ratio Lower Upper
49 100
128 47.0 24.3 72.8
130 61.0 30.2 90.6



#9
Propene
Concen: 0.085 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

Tgt Ion: 41 Resp: 4417
Ion Ratio Lower Upper
41 100
42 77.1 56.6 84.8





#13

Ethanol

Concen: 0.044 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.003 min

Lab File: VL040441.D

Acq: 16 May 2023 17:00

Instrument :

MSVOA_L

ClientSampleId :

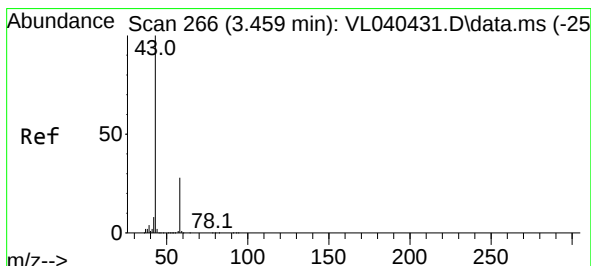
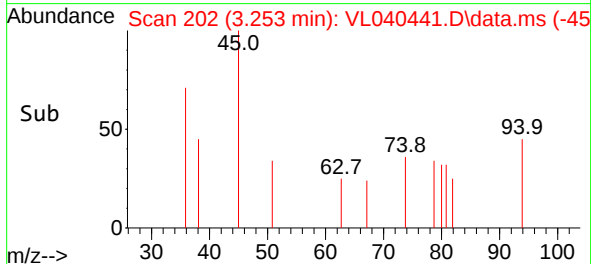
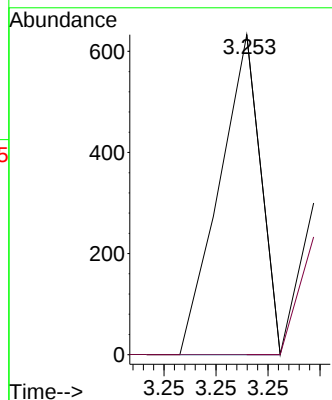
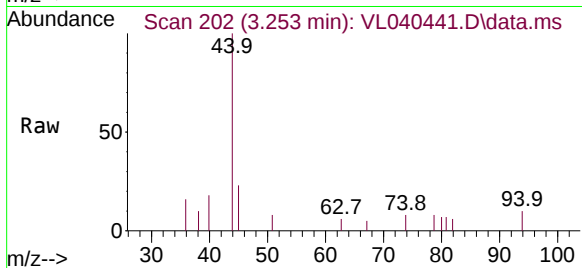
VIBLK

Tgt Ion: 45 Resp: 175

Ion Ratio Lower Upper

45 100

46 0.0 13.2 52.8#



#15

Acetone

Concen: 0.166 ppbv

RT: 3.501 min Scan# 279

Delta R.T. 0.032 min

Lab File: VL040441.D

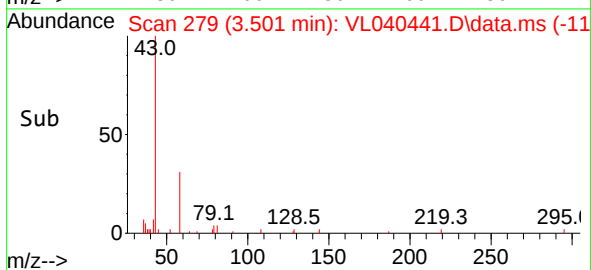
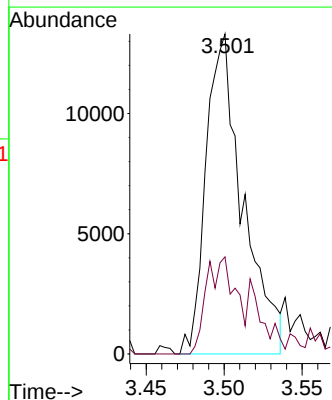
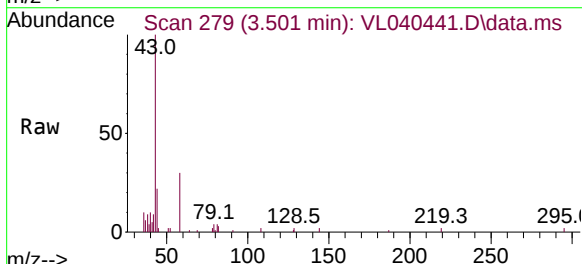
Acq: 16 May 2023 17:00

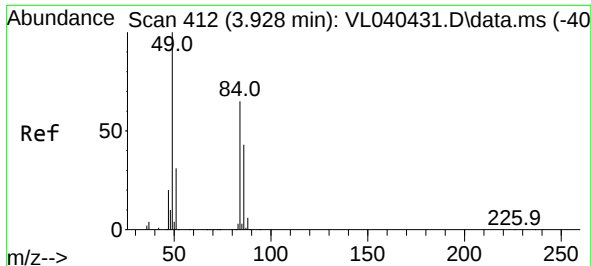
Tgt Ion: 43 Resp: 21835

Ion Ratio Lower Upper

43 100

58 40.7 22.2 33.4#



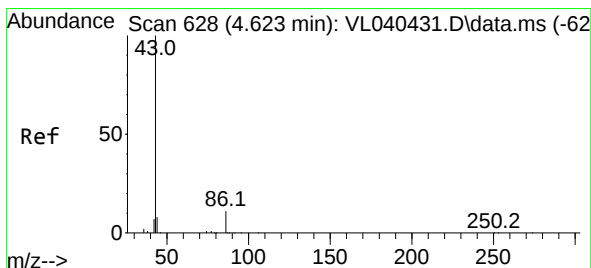
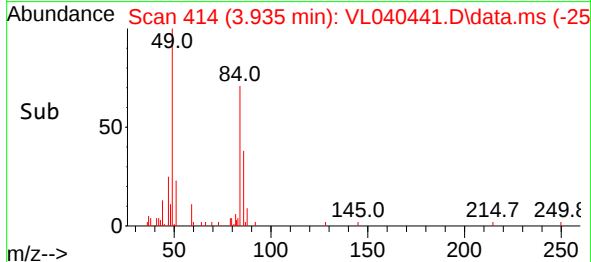
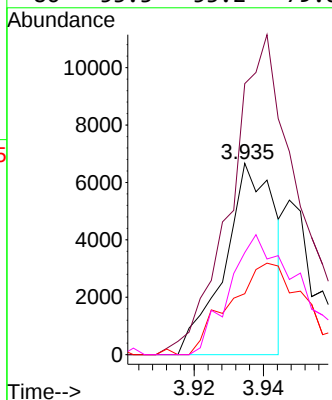
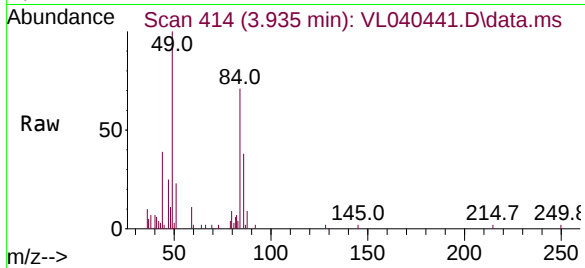


#20
Methylene Chloride
Concen: 0.114 ppbv
RT: 3.935 min Scan# 412
Delta R.T. -0.003 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 6660

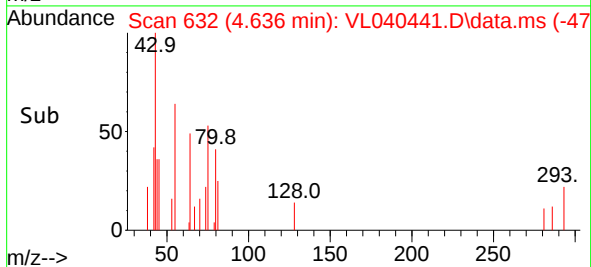
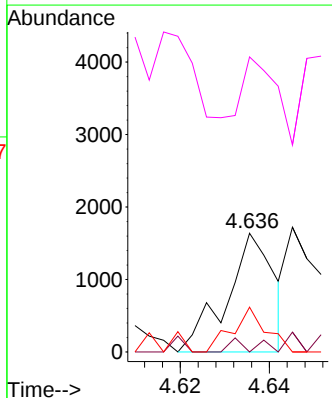
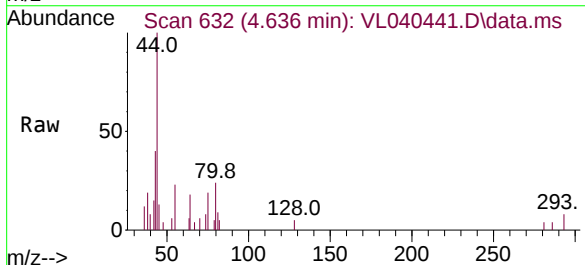
Ion	Ratio	Lower	Upper
84	100		
49	134.7	123.7	185.5
51	31.9	38.6	57.8#
86	53.3	53.2	79.8

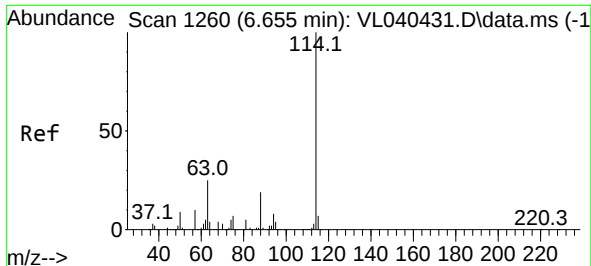


#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 4.636 min Scan# 632
Delta R.T. 0.000 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

Tgt Ion: 43 Resp: 1202

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.2#
42	22.3	7.8	11.6#
44	24.6	6.2	9.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.003 min

Lab File: VL040441.D

Acq: 16 May 2023 17:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

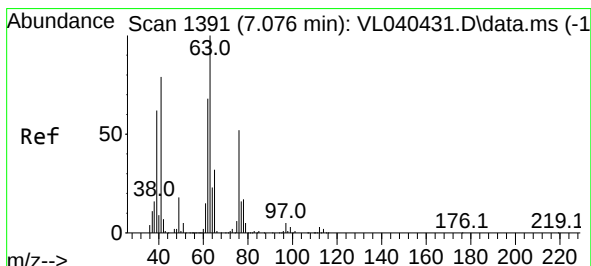
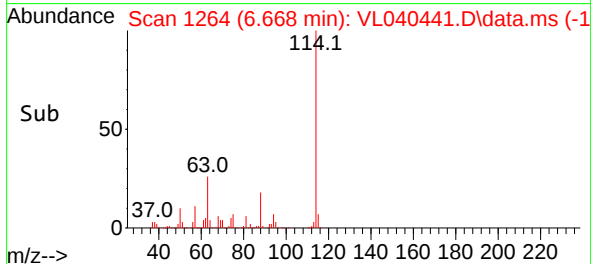
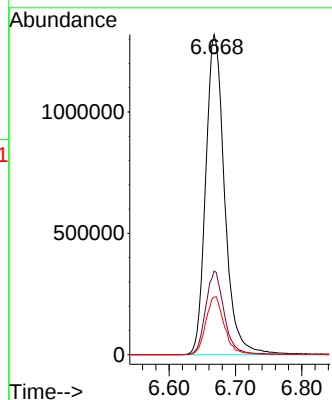
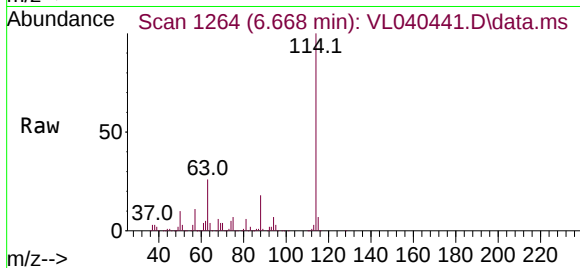
Tgt Ion:114 Resp: 2605633

Ion Ratio Lower Upper

114 100

63 25.9 21.0 31.6

88 18.0 14.6 22.0



#39

1,2-Dichloropropane

Concen: 7.997 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.421 min

Lab File: VL040441.D

Acq: 16 May 2023 17:00

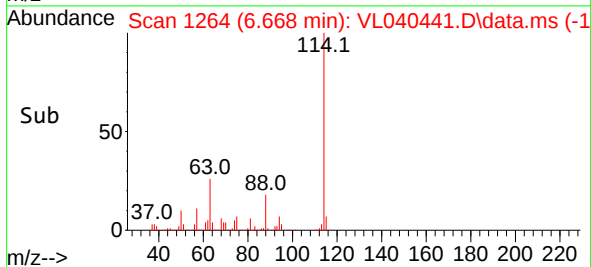
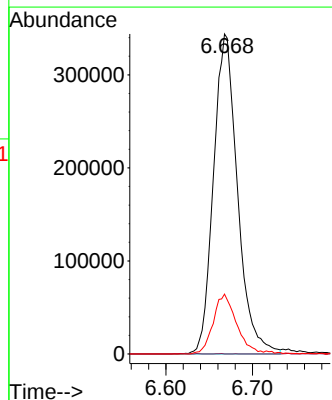
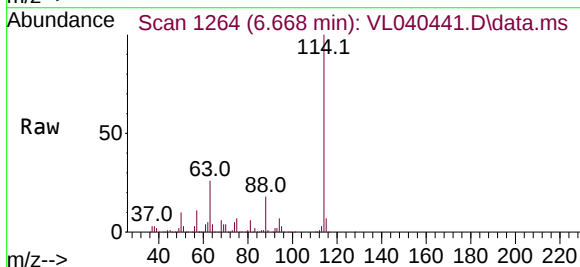
Tgt Ion: 63 Resp: 662915

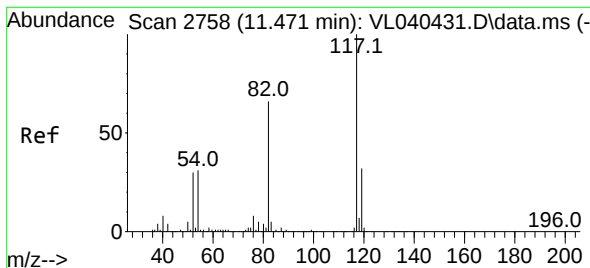
Ion Ratio Lower Upper

63 100

41 0.0 63.3 94.9#

62 18.7 54.2 81.4#

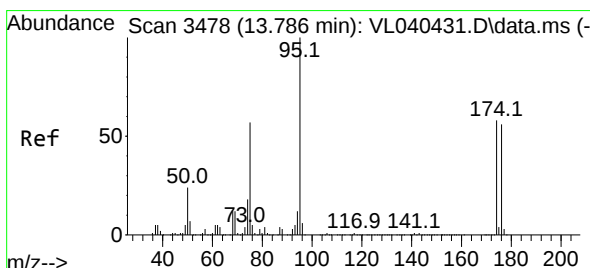
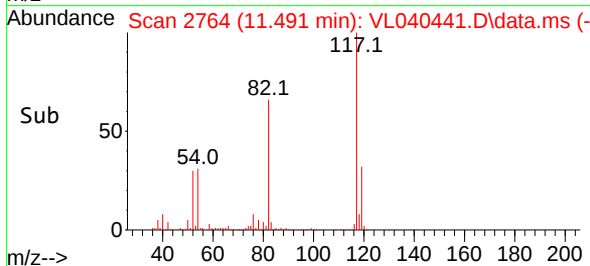
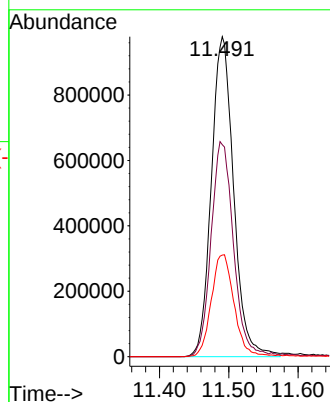
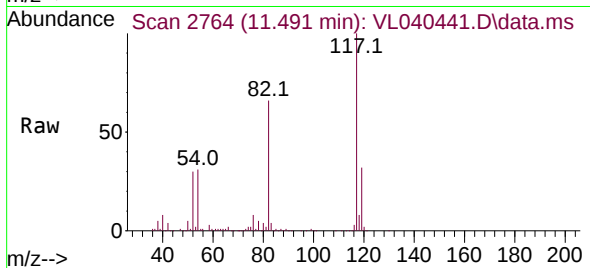




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2188483
Ion Ratio Lower Upper
117 100
82 68.3 52.5 78.7
119 32.8 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.870 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.003 min
Lab File: VL040441.D
Acq: 16 May 2023 17:00

Tgt Ion: 95 Resp: 1736776
Ion Ratio Lower Upper
95 100
174 60.7 47.0 70.6
175 4.2 3.4 5.0

