

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040401.D
 Acq On : 11 May 2023 15:16
 Operator : SY/MD
 Sample : VL0511ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0511ABL01

Quant Time: May 12 05:53:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

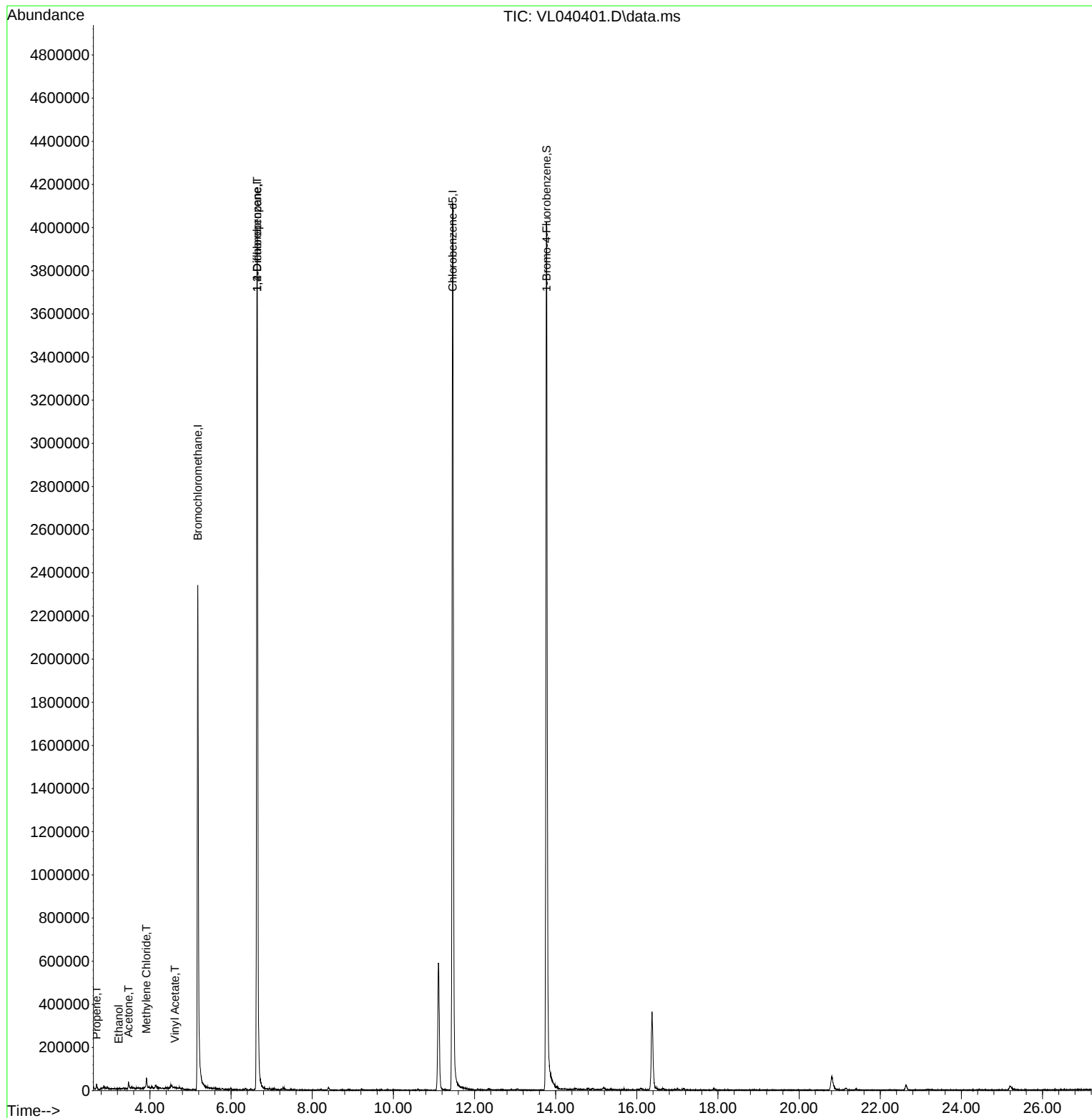
Internal Standards						
1) Bromochloromethane	5.179	49	1176490	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	3139992	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2720735	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2112799	9.391	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.900%
Target Compounds						
					Qvalue	
9) Propene	2.684	41	7344	0.121	ppbv	87
13) Ethanol	3.230	45	215	0.042	ppbv #	37
15) Acetone	3.471	43	26770	0.161	ppbv #	72
20) Methylene Chloride	3.915	84	12706	0.191	ppbv	90
23) Vinyl Acetate	4.616	43	1300	0.031	ppbv #	1
39) 1,2-Dichloropropane	6.642	63	768259	7.621	ppbv #	25

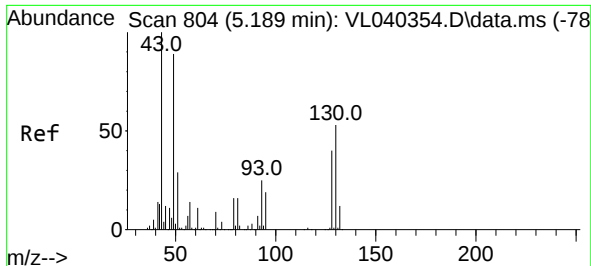
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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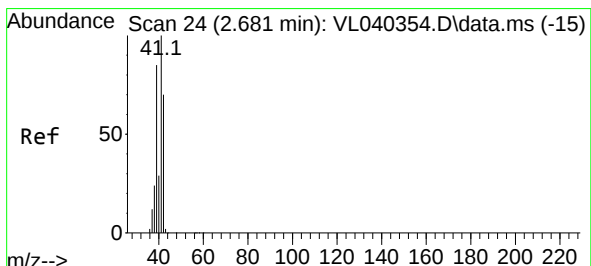
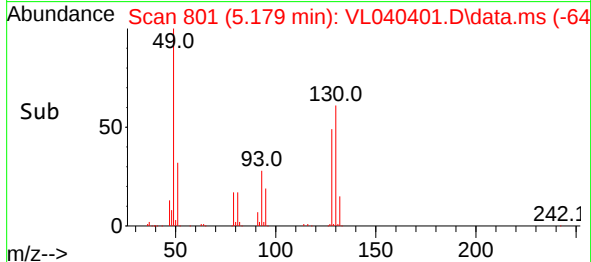
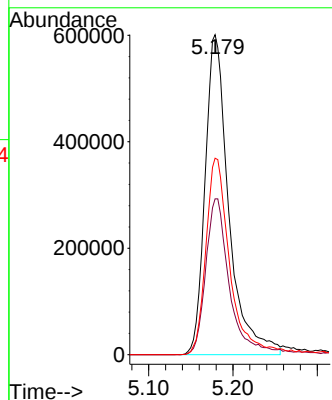
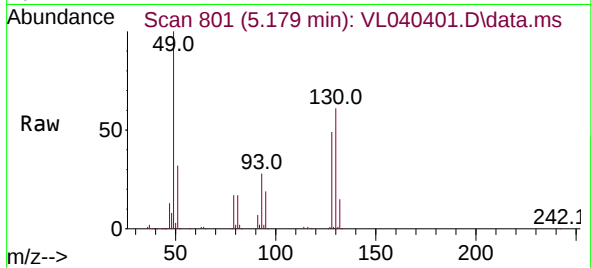




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

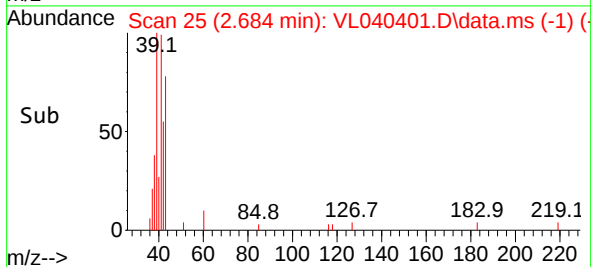
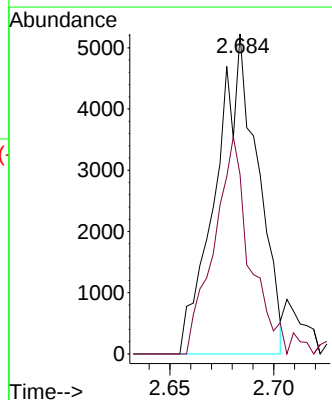
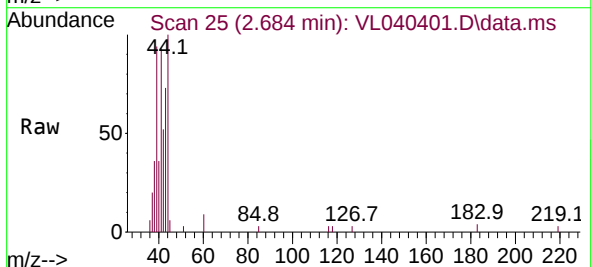
Instrument :
MSVOA_L
ClientSampleId :
VL0511ABL01

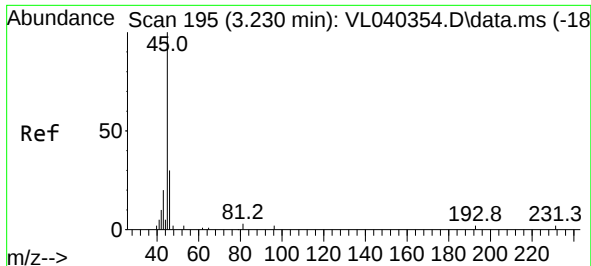
Tgt Ion: 49 Resp: 1176490
Ion Ratio Lower Upper
49 100
128 50.4 23.7 71.1
130 64.4 29.9 89.8



#9
Propene
Concen: 0.121 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.003 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

Tgt Ion: 41 Resp: 7344
Ion Ratio Lower Upper
41 100
42 60.0 56.5 84.7

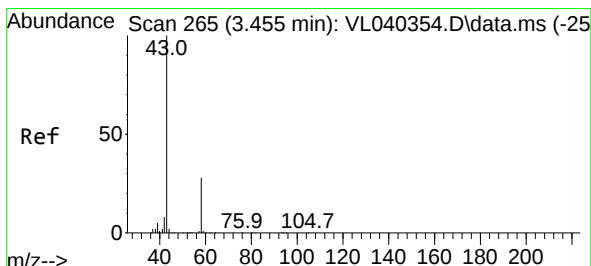
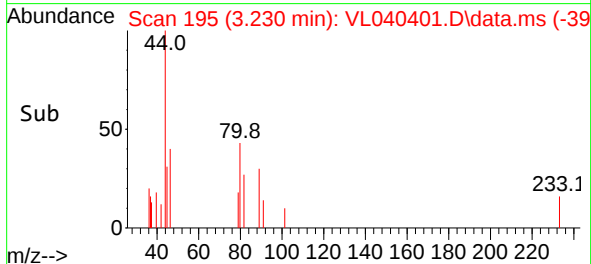
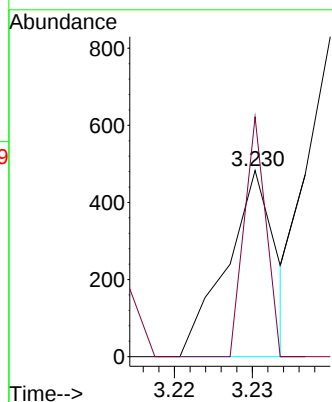
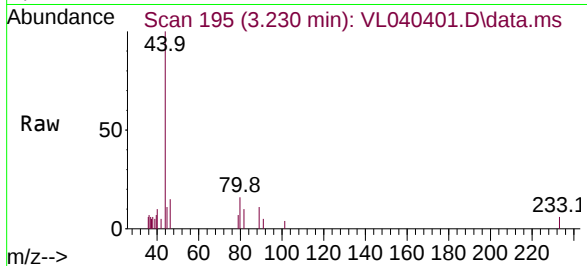




#13
Ethanol
Concen: 0.042 ppbv
RT: 3.230 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

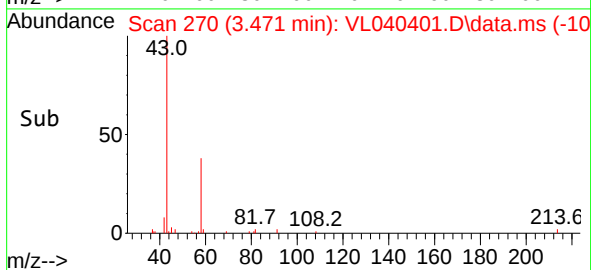
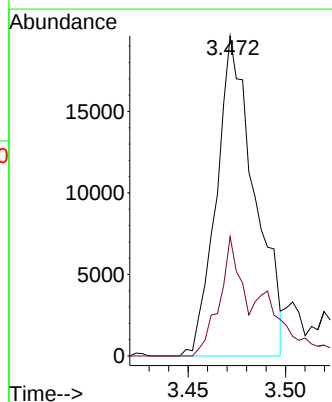
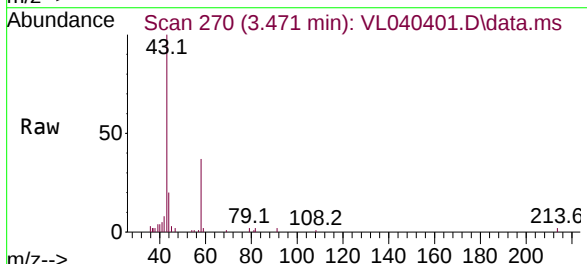
Instrument :
MSVOA_L
ClientSampleId :
VL0511ABL01

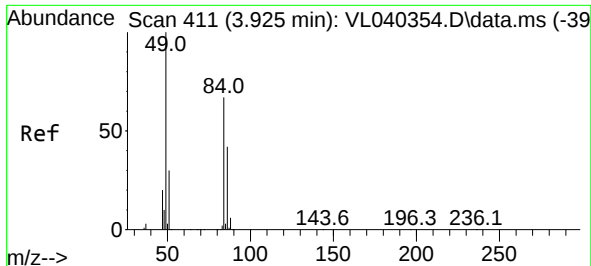
Tgt Ion: 45 Resp: 215
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#15
Acetone
Concen: 0.161 ppbv
RT: 3.471 min Scan# 270
Delta R.T. 0.016 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

Tgt Ion: 43 Resp: 26770
Ion Ratio Lower Upper
43 100
58 42.3 22.2 33.2#

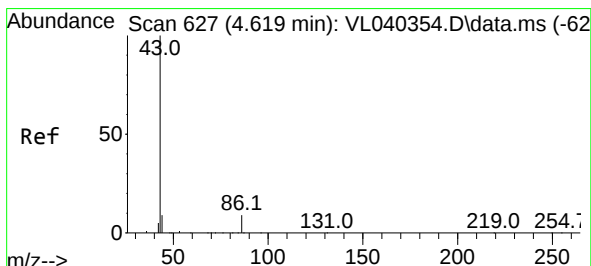
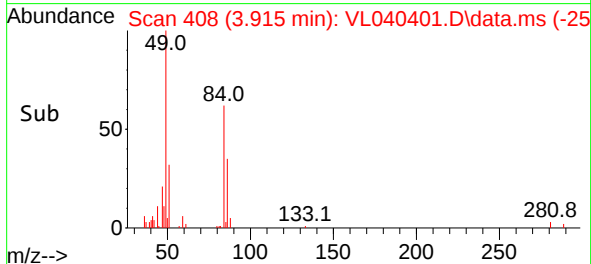
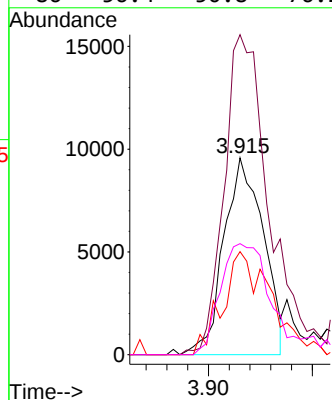
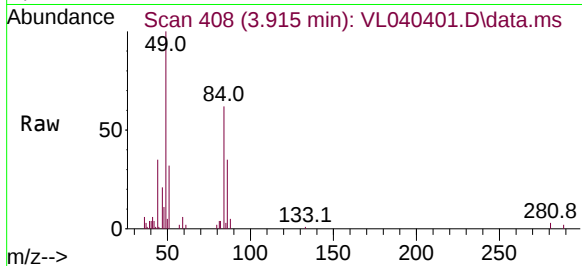




#20
Methylene Chloride
Concen: 0.191 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

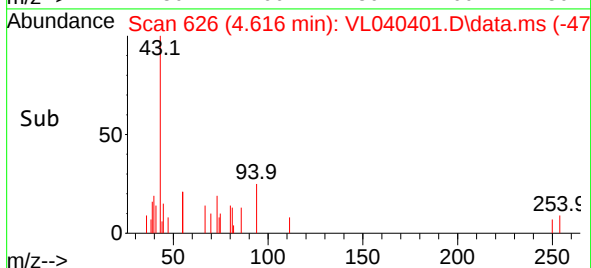
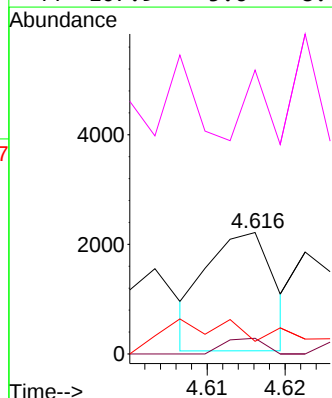
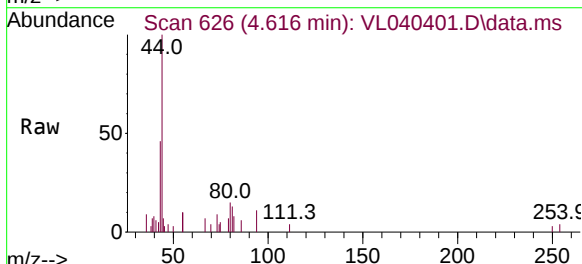
Instrument :
MSVOA_L
ClientSampleId :
VL0511ABL01

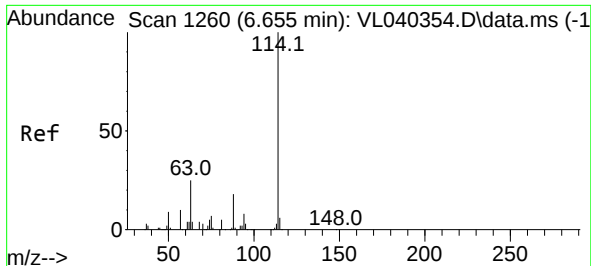
Tgt Ion:	84	Resp:	12706
Ion	Ratio	Lower	Upper
84	100		
49	162.6	120.1	180.1
51	52.4	36.3	54.5
86	56.4	50.8	76.2



#23
Vinyl Acetate
Concen: 0.031 ppbv
RT: 4.616 min Scan# 626
Delta R.T. -0.003 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

Tgt Ion:	43	Resp:	1300
Ion	Ratio	Lower	Upper
43	100		
86	22.8	6.0	9.0#
42	0.0	6.4	9.6#
44	107.9	5.6	8.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VL040401.D

Acq: 11 May 2023 15:16

Instrument :

MSVOA_L

ClientSampleId :

VL0511ABL01

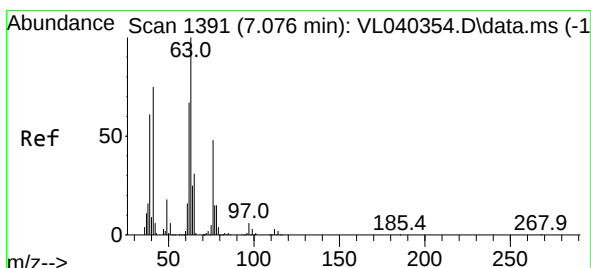
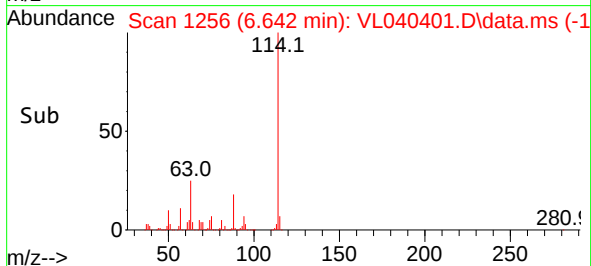
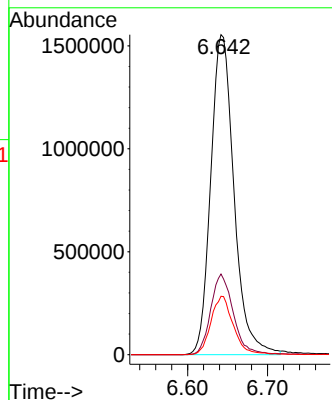
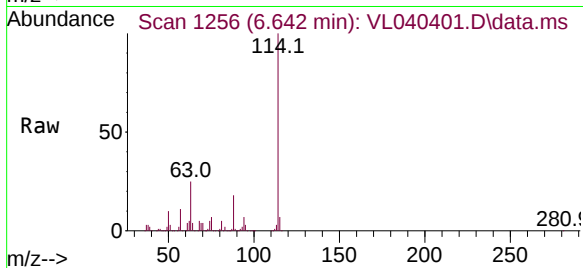
Tgt Ion:114 Resp: 3139992

Ion Ratio Lower Upper

114 100

63 24.9 21.4 32.0

88 17.8 14.6 22.0



#39

1,2-Dichloropropane

Concen: 7.621 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.434 min

Lab File: VL040401.D

Acq: 11 May 2023 15:16

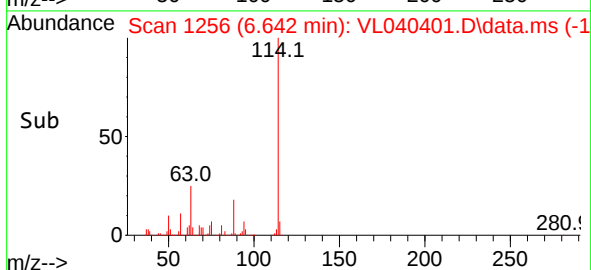
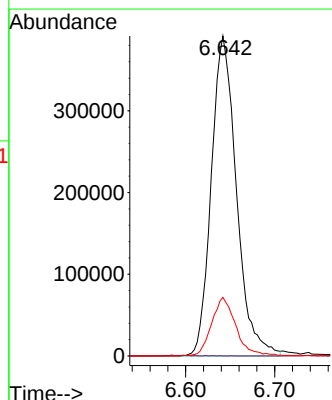
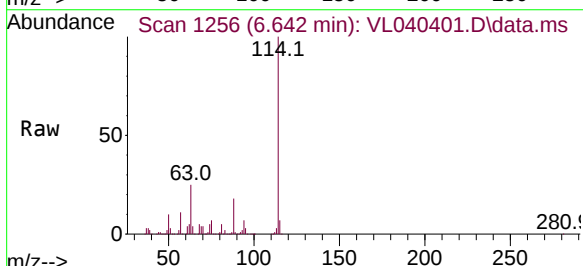
Tgt Ion: 63 Resp: 768259

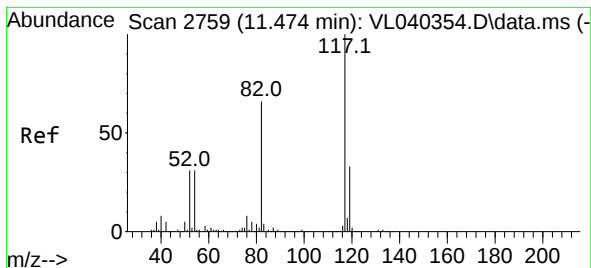
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 18.3 53.9 80.9#

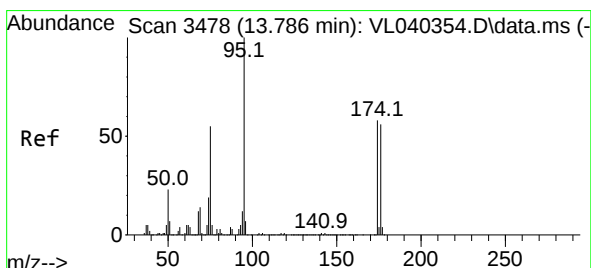
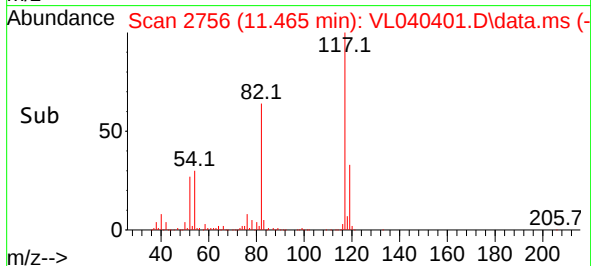
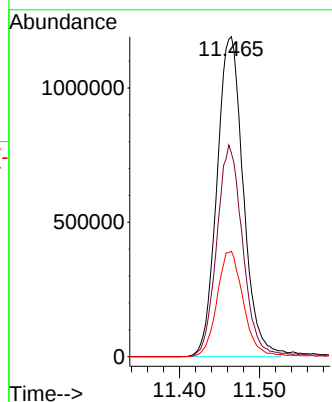
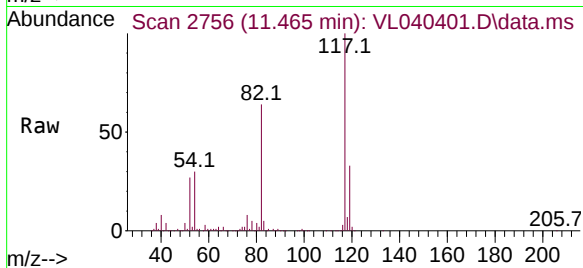




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

Instrument :
MSVOA_L
ClientSampleId :
VL0511ABL01

Tgt Ion:117 Resp: 2720735
Ion Ratio Lower Upper
117 100
82 66.2 52.5 78.7
119 33.2 24.3 36.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.391 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.013 min
Lab File: VL040401.D
Acq: 11 May 2023 15:16

Tgt Ion: 95 Resp: 2112799
Ion Ratio Lower Upper
95 100
174 61.9 47.2 70.8
175 4.3 3.5 5.3

