

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040375.D
 Acq On : 19 Apr 2023 11:32
 Operator : SY/MD
 Sample : VL0419ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABL01

Quant Time: Apr 20 05:08:05 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)

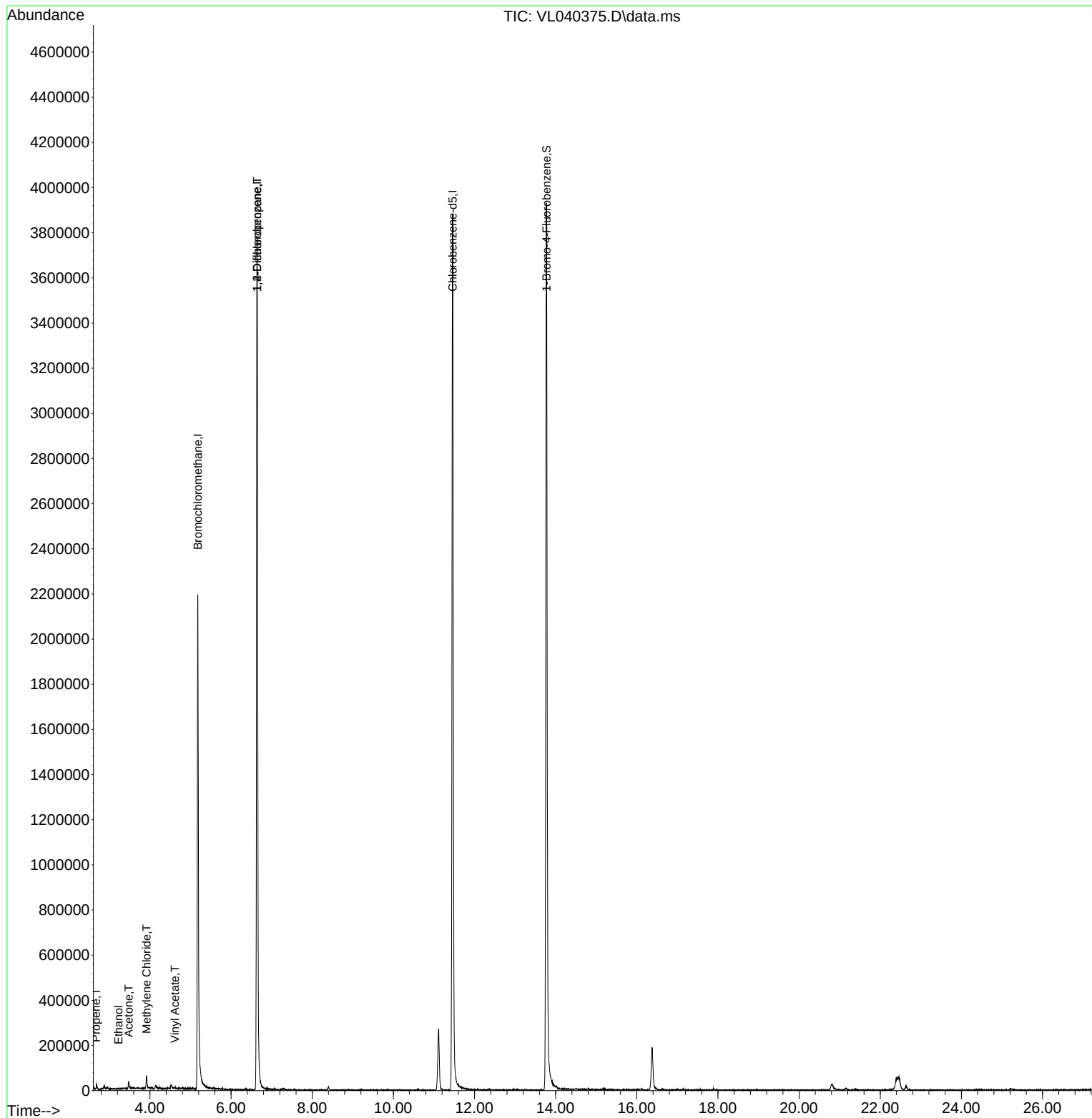
Internal Standards						
1) Bromochloromethane	5.179	49	1105612	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2850308	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2519040	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1986454	9.536	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
9) Propene	2.674	41	2919	0.051	ppbv #	41
13) Ethanol	3.227	45	285	0.060	ppbv #	37
15) Acetone	3.478	43	27232	0.174	ppbv #	74
20) Methylene Chloride	3.922	84	15505	0.248	ppbv #	87
23) Vinyl Acetate	4.616	43	2239	0.056	ppbv #	87
39) 1,2-Dichloropropane	6.642	63	725133	7.925	ppbv #	24

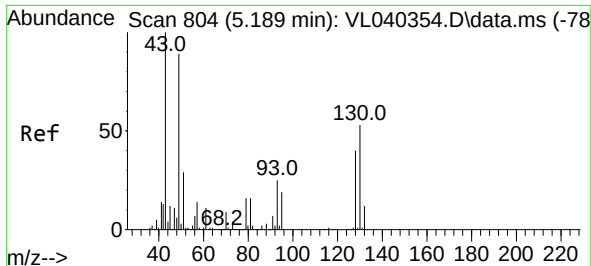
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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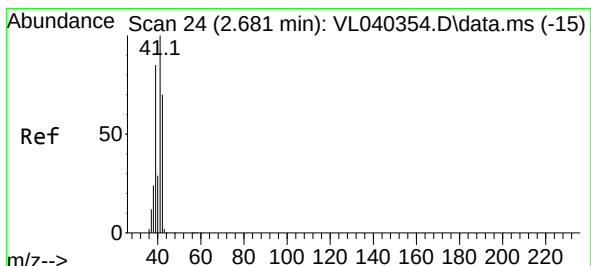
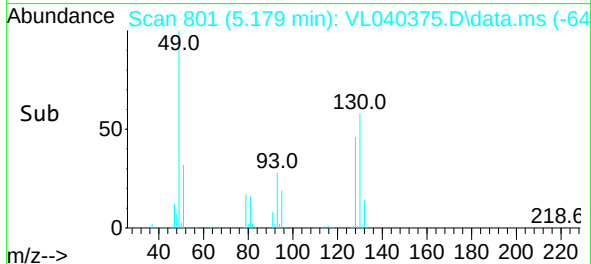
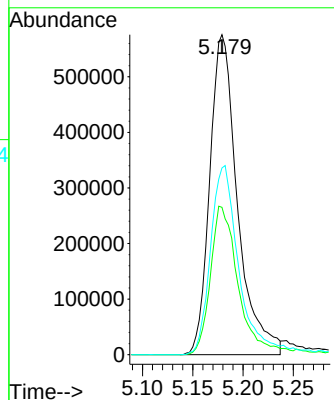
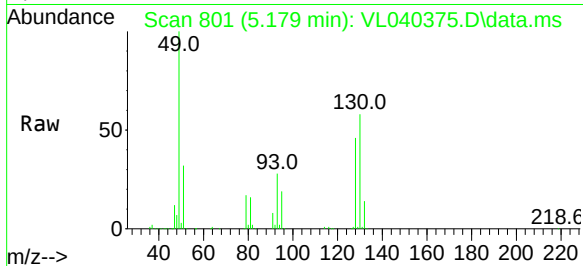




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32

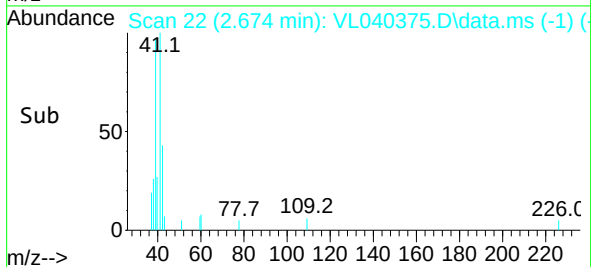
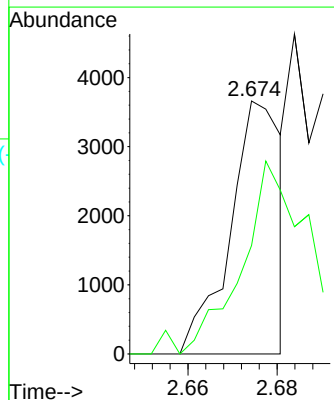
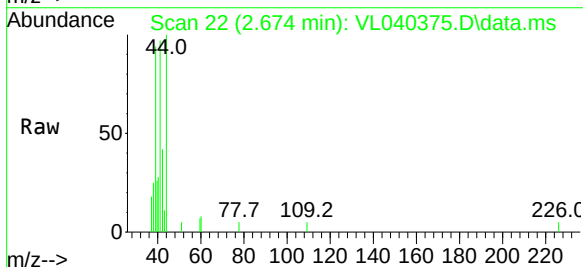
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABL01

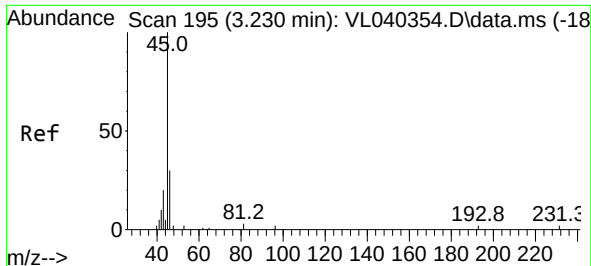
Tgt Ion: 49 Resp: 1105612
Ion Ratio Lower Upper
49 100
128 47.5 23.7 71.1
130 62.9 29.9 89.8



#9
Propene
Concen: 0.051 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.007 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32

Tgt Ion: 41 Resp: 2919
Ion Ratio Lower Upper
41 100
42 119.5 56.5 84.7#

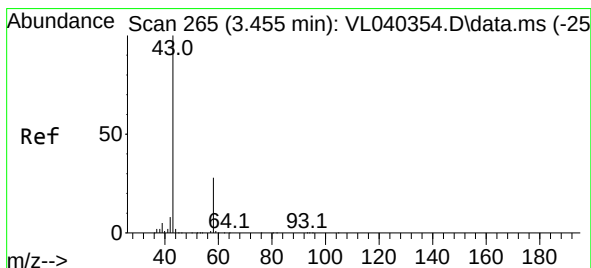
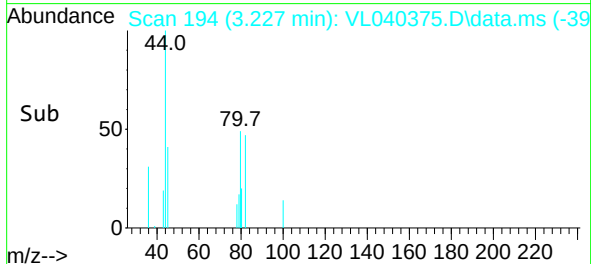
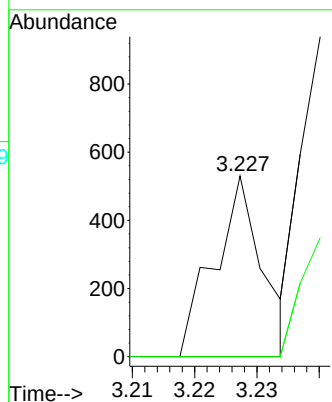
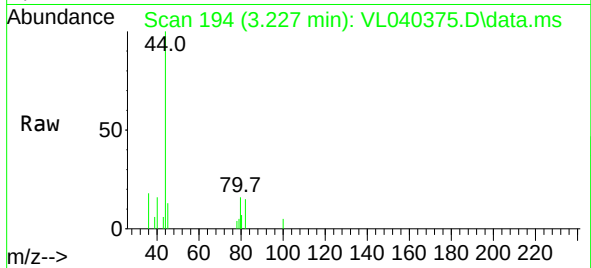




#13
 Ethanol
 Concen: 0.060 ppbv
 RT: 3.227 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VL040375.D
 Acq: 19 Apr 2023 11:32

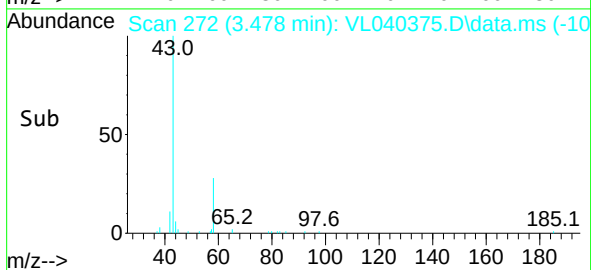
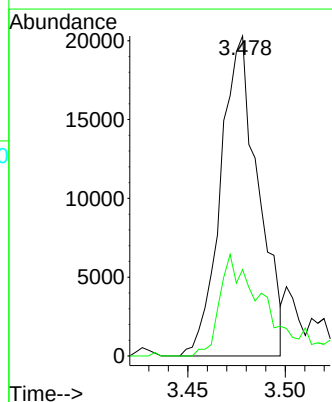
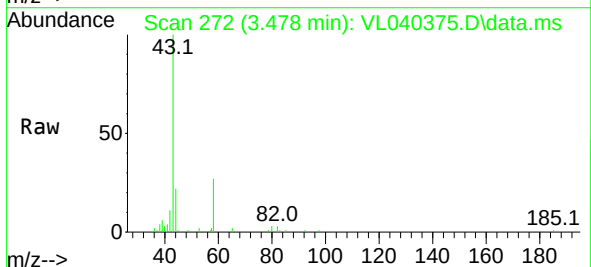
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABL01

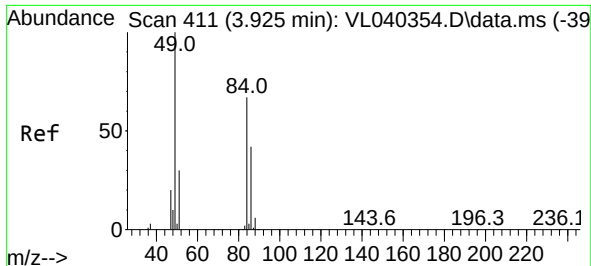
Tgt Ion: 45 Resp: 285
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#15
 Acetone
 Concen: 0.174 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. 0.023 min
 Lab File: VL040375.D
 Acq: 19 Apr 2023 11:32

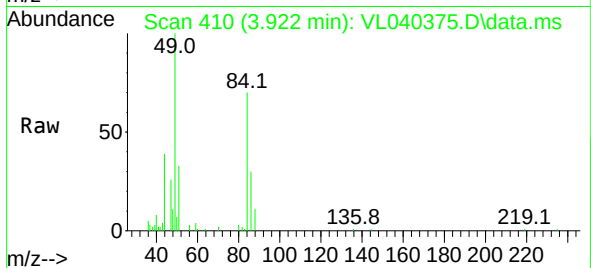
Tgt Ion: 43 Resp: 27232
 Ion Ratio Lower Upper
 43 100
 58 41.2 22.2 33.2#





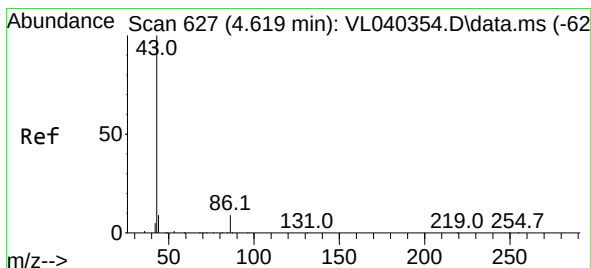
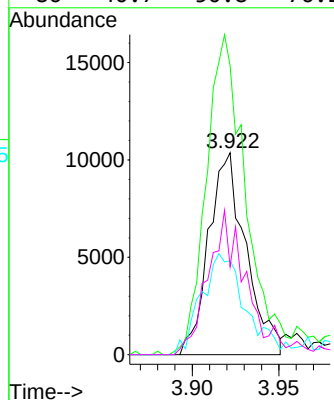
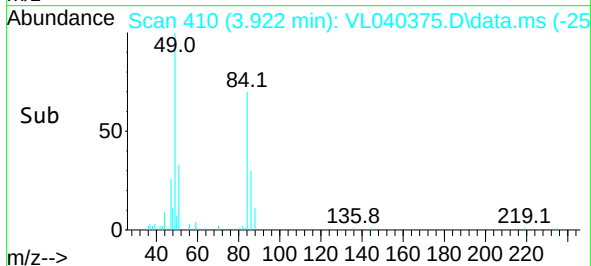
#20
Methylene Chloride
Concen: 0.248 ppbv
RT: 3.922 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABL01

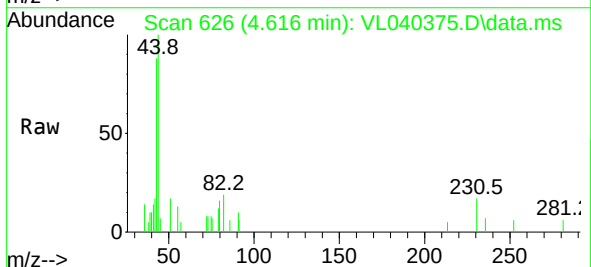


Tgt Ion: 84 Resp: 15505

Ion	Ratio	Lower	Upper
84	100		
49	139.3	120.1	180.1
51	43.8	36.3	54.5
86	40.7	50.8	76.2#

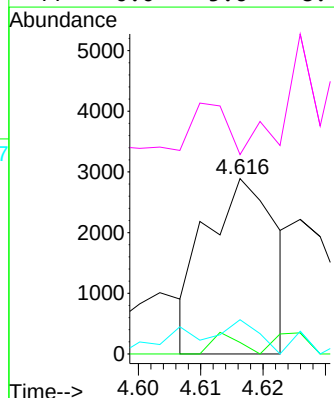
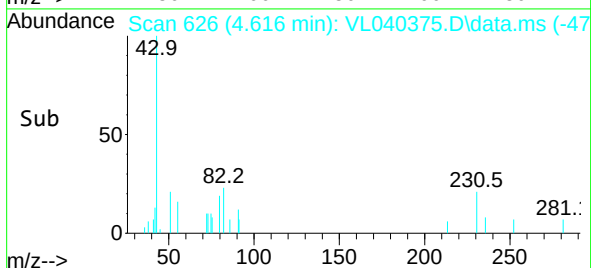


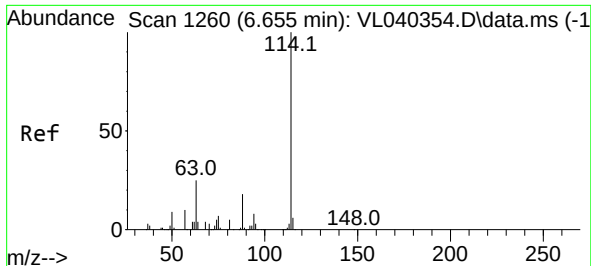
#23
Vinyl Acetate
Concen: 0.056 ppbv
RT: 4.616 min Scan# 626
Delta R.T. -0.003 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32



Tgt Ion: 43 Resp: 2239

Ion	Ratio	Lower	Upper
43	100		
86	3.6	6.0	9.0#
42	10.7	6.4	9.6#
44	0.0	5.6	8.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040375.D

Acq: 19 Apr 2023 11:32

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABL01

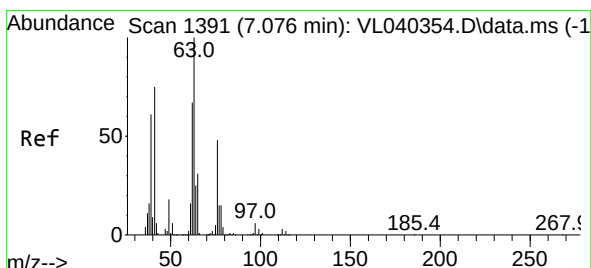
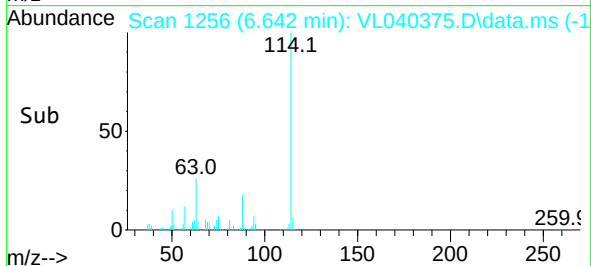
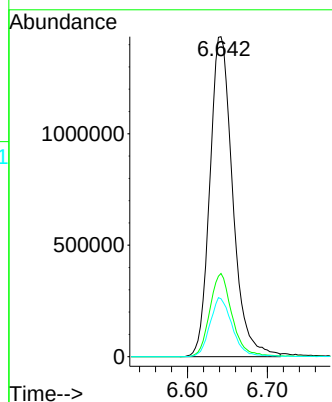
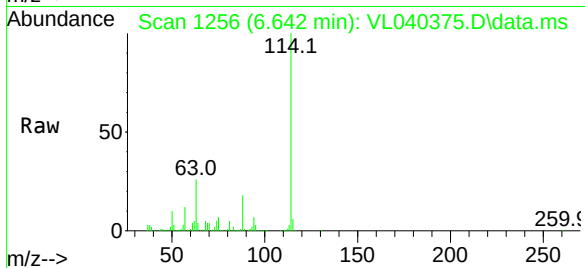
Tgt Ion:114 Resp: 2850308

Ion Ratio Lower Upper

114 100

63 25.7 21.4 32.0

88 18.1 14.6 22.0



#39

1,2-Dichloropropane

Concen: 7.925 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.434 min

Lab File: VL040375.D

Acq: 19 Apr 2023 11:32

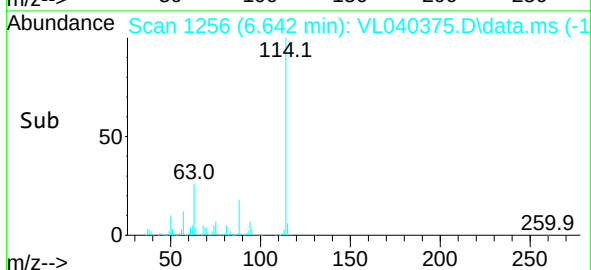
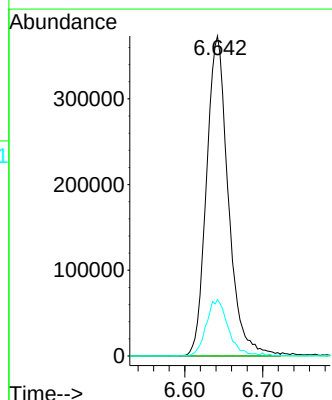
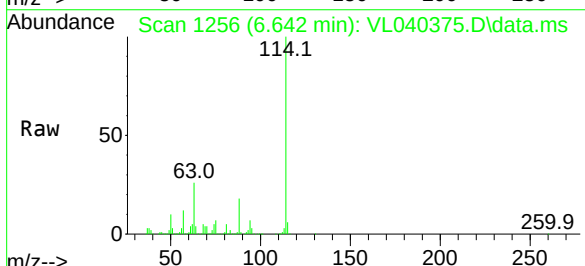
Tgt Ion: 63 Resp: 725133

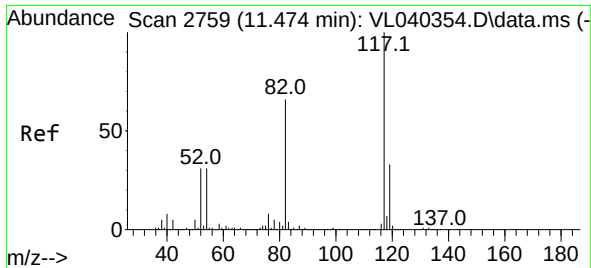
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.6 53.9 80.9#

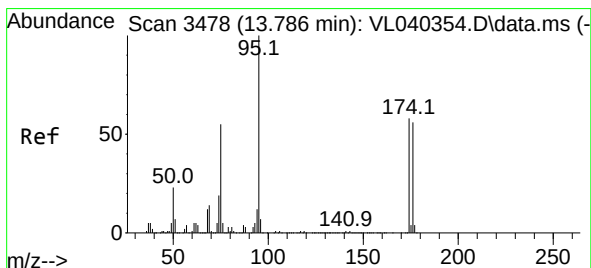
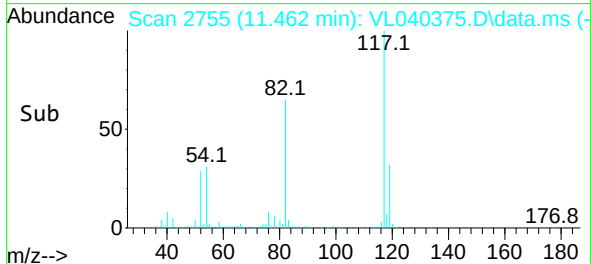
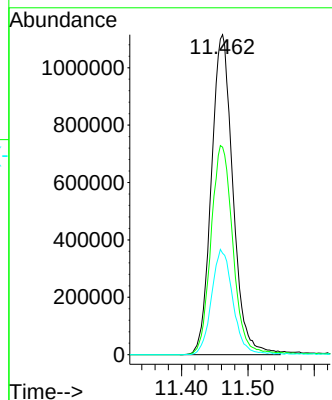
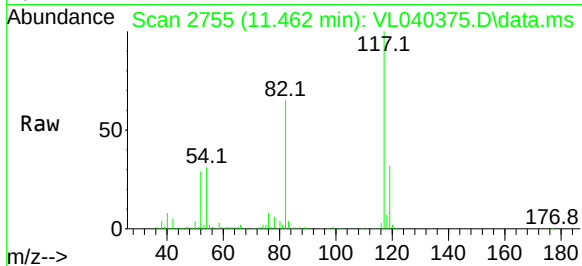




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32

Instrument :
MSVOA_L
ClientSampleId :
VL0419ABL01

Tgt Ion:117 Resp: 2519040
Ion Ratio Lower Upper
117 100
82 67.4 52.5 78.7
119 32.7 24.3 36.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.536 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.013 min
Lab File: VL040375.D
Acq: 19 Apr 2023 11:32

Tgt Ion: 95 Resp: 1986454
Ion Ratio Lower Upper
95 100
174 60.2 47.2 70.8
175 4.2 3.5 5.3

