

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039822.D
 Acq On : 3 Nov 2022 12:28
 Operator : SY/AP
 Sample : N5409-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E062-1100

Quant Time: Nov 04 08:43:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

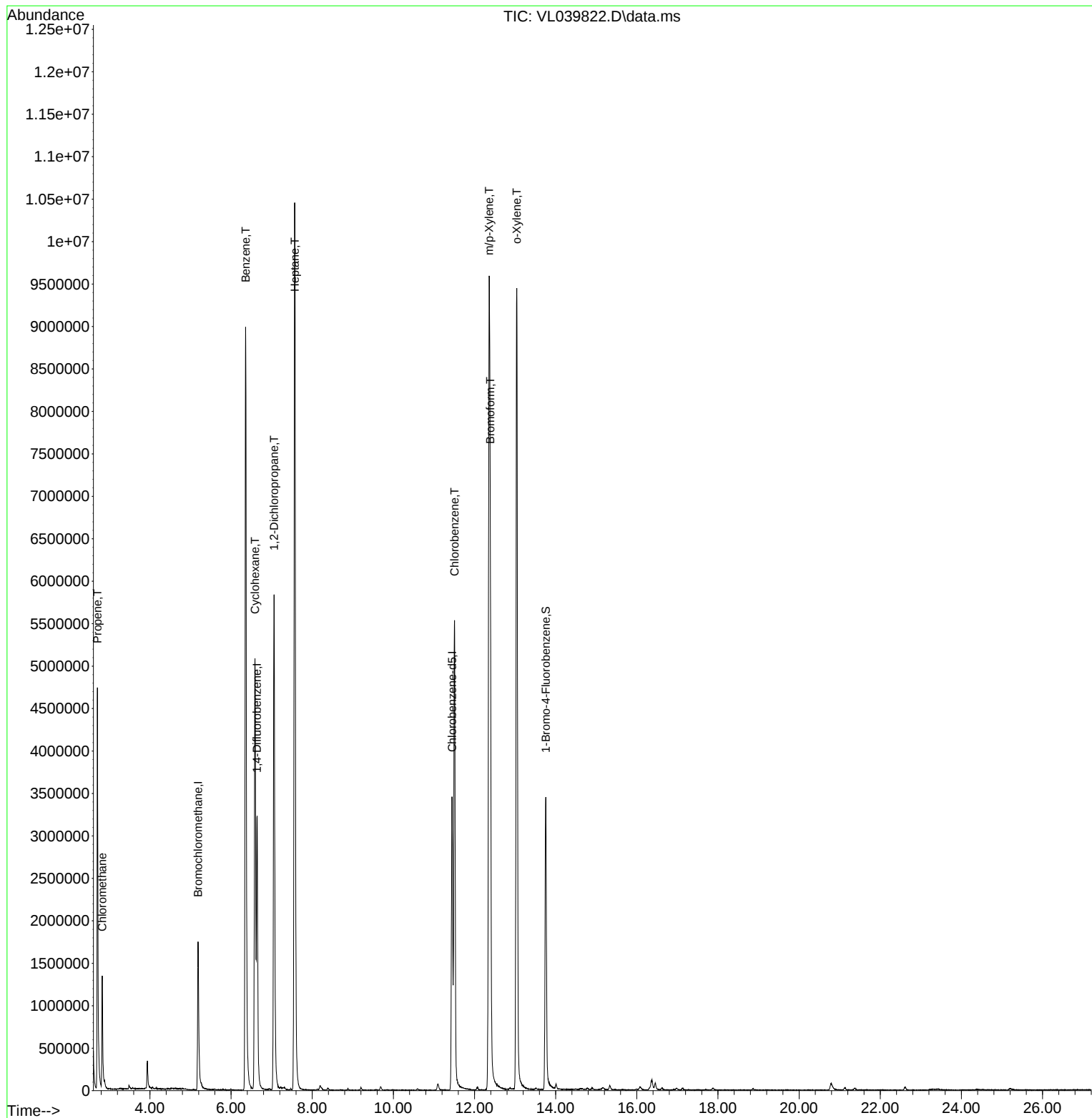
Internal Standards						
1) Bromochloromethane	5.185	49	902820	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2622916	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2424169	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1877819	10.349	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						
					Qvalue	
4) Chloromethane	2.825	50	1250708	18.663	ppbv	97
9) Propene	2.706	41	2271848	40.512	ppbv	100
10) Heptane	7.568	43	5702016	42.444	ppbv	99
30) Cyclohexane	6.590	84	1998021	23.674	ppbv	94
36) Benzene	6.359	78	8478757	38.322	ppbv #	91
39) 1,2-Dichloropropane	7.060	63	2490735	28.893	ppbv	96
49) Bromoform	12.388	173	3695993	30.915	ppbv	98
57) Chlorobenzene	11.507	112	3768334	20.494	ppbv	95
59) m/p-Xylene	12.359	91	7282775	26.618	ppbv	98
60) o-Xylene	13.040	91	8030242	30.979	ppbv	96

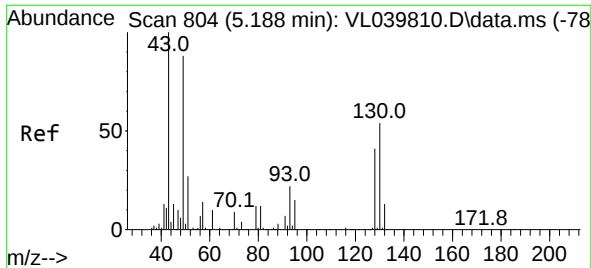
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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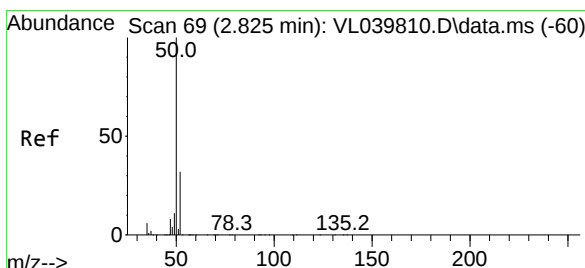
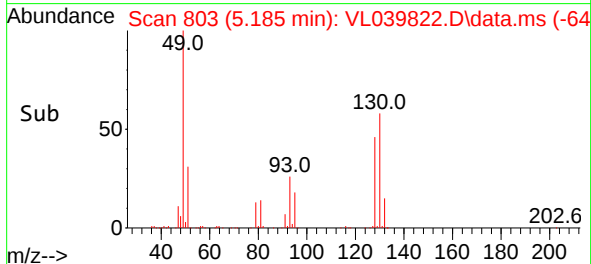
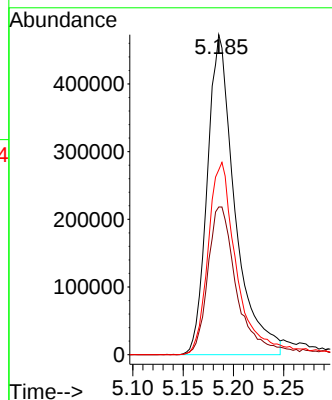
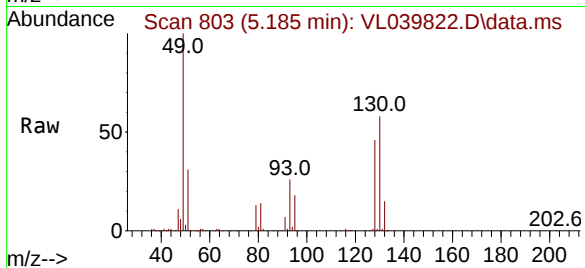




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

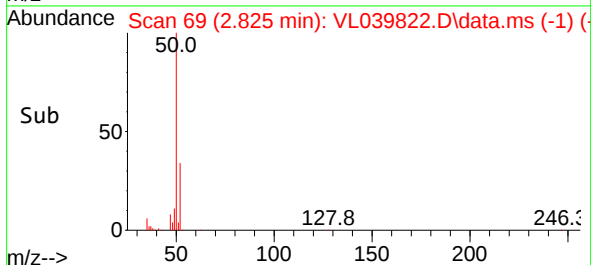
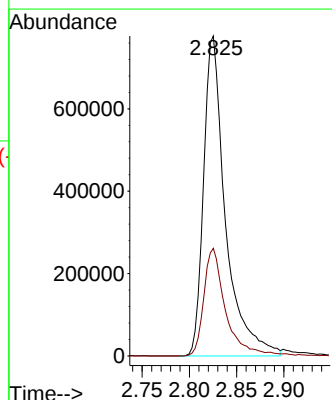
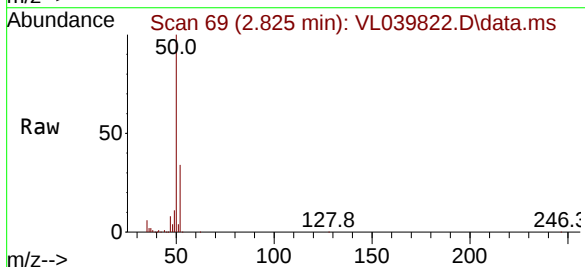
Instrument :
MSVOA_L
ClientSampleId :
E062-1100

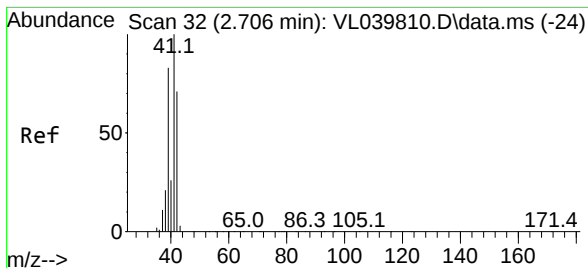
Tgt Ion: 49 Resp: 902820
Ion Ratio Lower Upper
49 100
128 50.9 24.6 73.6
130 64.6 31.1 93.2



#4
Chloromethane
Concen: 18.663 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.000 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

Tgt Ion: 50 Resp: 1250708
Ion Ratio Lower Upper
50 100
52 33.7 25.5 38.3





#9

Propene

Concen: 40.512 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

Instrument :

MSVOA_L

ClientSampleId :

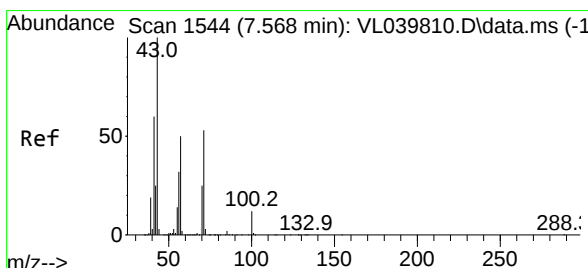
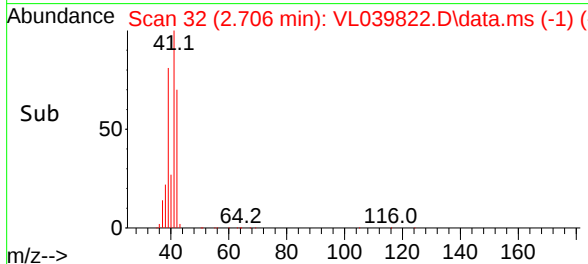
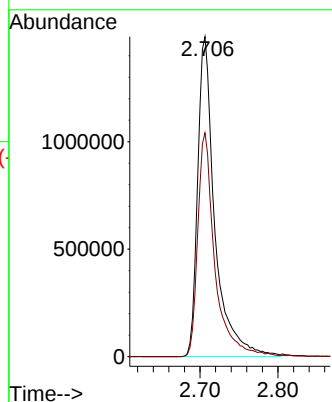
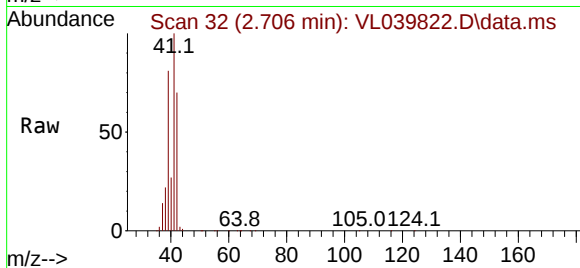
E062-1100

Tgt Ion: 41 Resp: 2271848

Ion Ratio Lower Upper

41 100

42 70.3 56.3 84.5



#10

Heptane

Concen: 42.444 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. 0.000 min

Lab File: VL039822.D

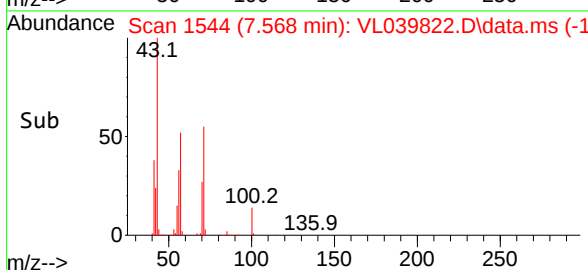
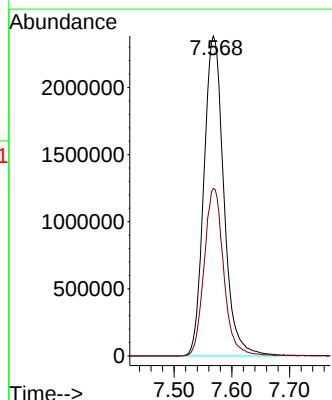
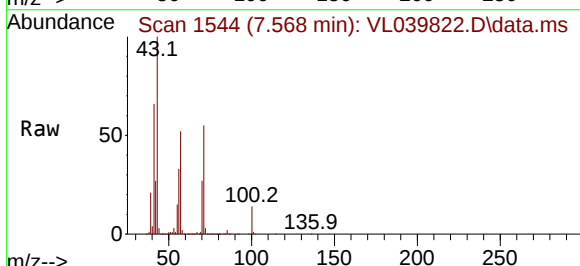
Acq: 3 Nov 2022 12:28

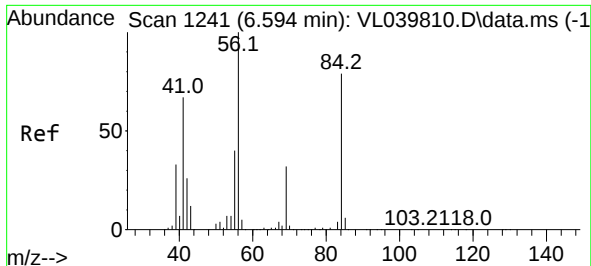
Tgt Ion: 43 Resp: 5702016

Ion Ratio Lower Upper

43 100

57 51.6 40.5 60.7



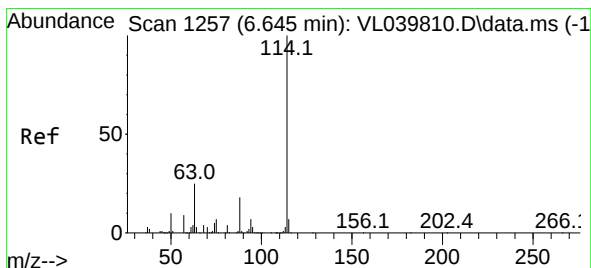
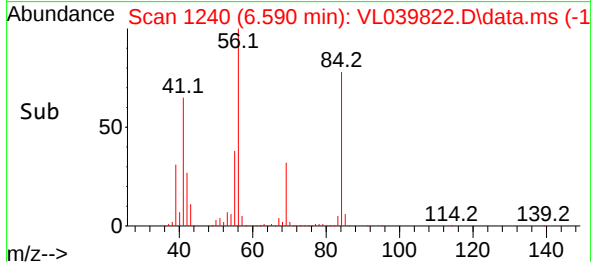
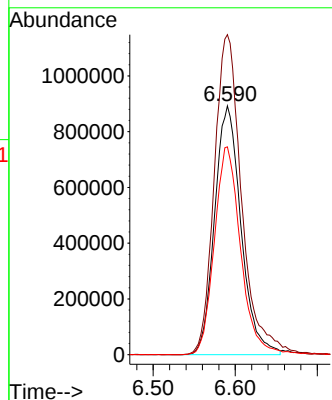
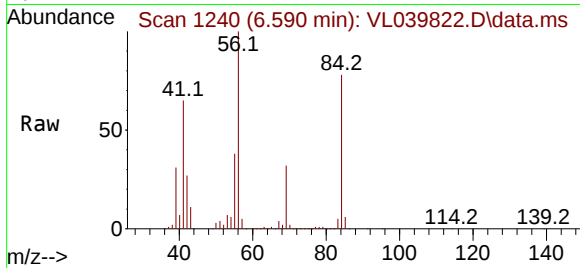


#30
Cyclohexane
Concen: 23.674 ppbv
RT: 6.590 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

Instrument :
MSVOA_L
ClientSampleId :
E062-1100

Tgt Ion: 84 Resp: 1998021

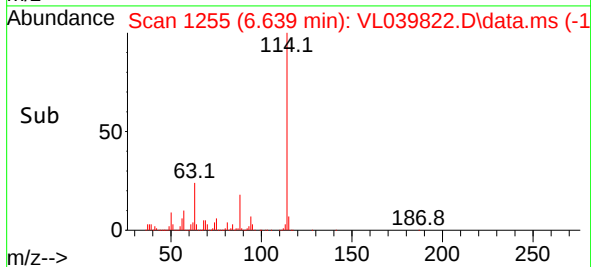
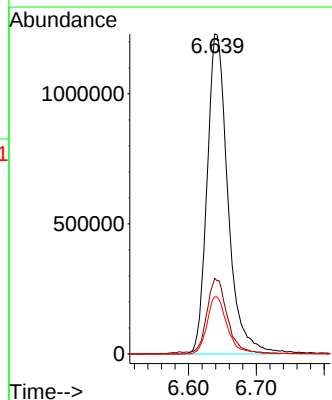
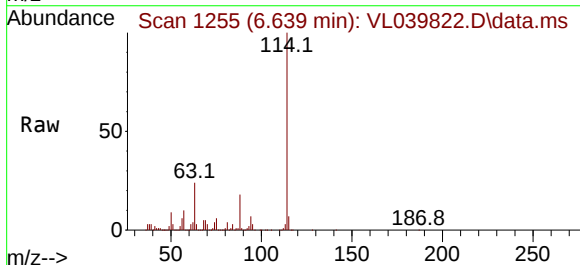
Ion	Ratio	Lower	Upper
84	100		
56	134.2	114.8	172.2
41	83.5	68.6	103.0

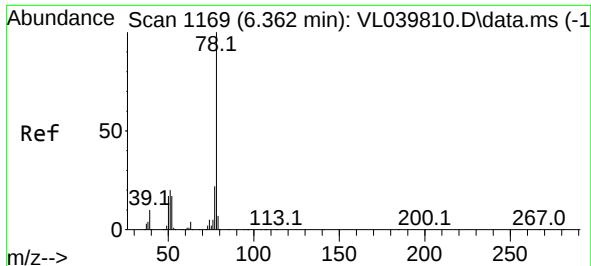


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

Tgt Ion: 114 Resp: 2622916

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.8	29.6
88	17.5	14.4	21.6





#36

Benzene

Concen: 38.322 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

Instrument :

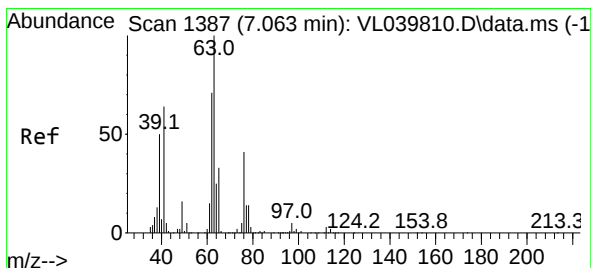
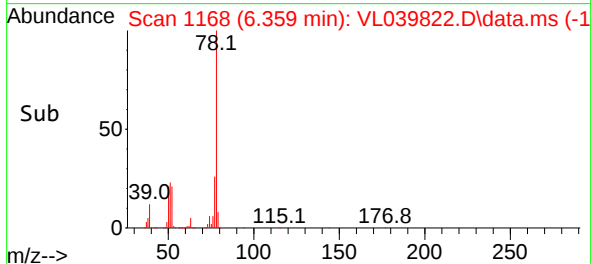
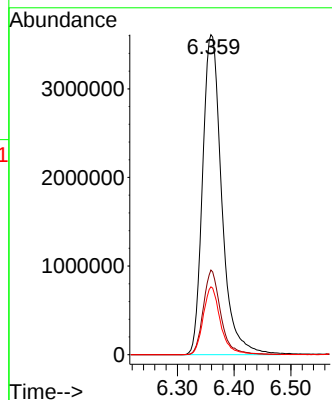
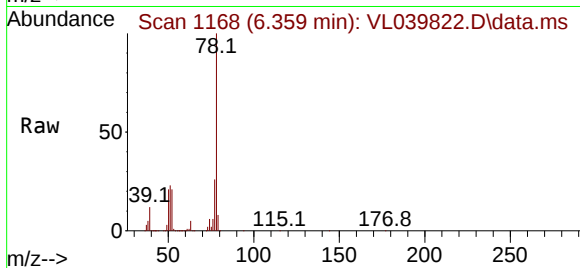
MSVOA_L

ClientSampleId :

E062-1100

Tgt Ion: 78 Resp: 8478757

Ion	Ratio	Lower	Upper
78	100		
77	26.4	17.4	26.2#
50	21.2	13.9	20.9#



#39

1,2-Dichloropropane

Concen: 28.893 ppbv

RT: 7.060 min Scan# 1386

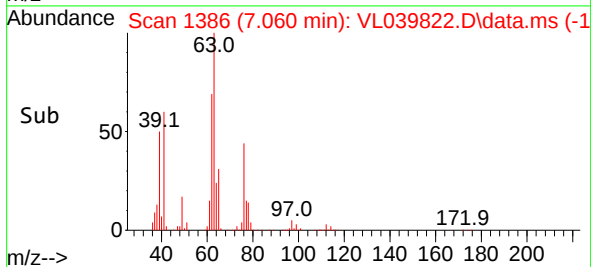
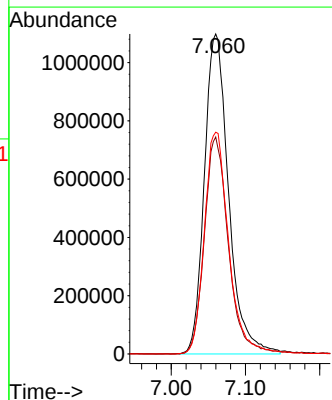
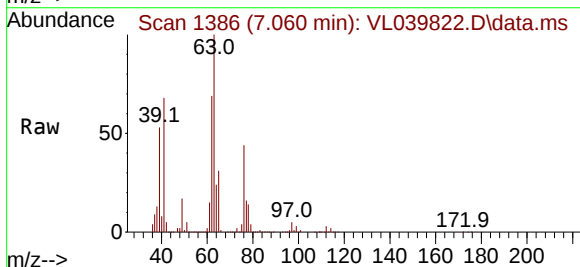
Delta R.T. -0.003 min

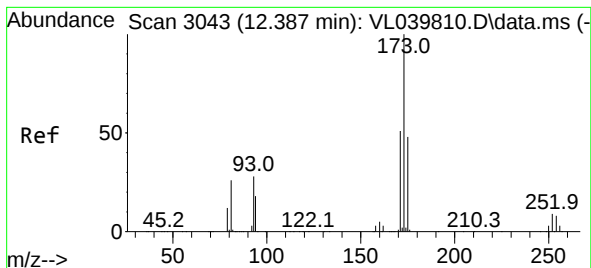
Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

Tgt Ion: 63 Resp: 2490735

Ion	Ratio	Lower	Upper
63	100		
41	67.7	51.0	76.4
62	69.2	56.6	85.0





#49

Bromoform

Concen: 30.915 ppbv

RT: 12.388 min Scan# 3043

Delta R.T. 0.000 min

Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

Instrument :

MSVOA_L

ClientSampleId :

E062-1100

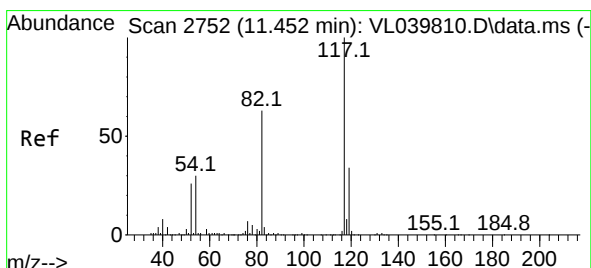
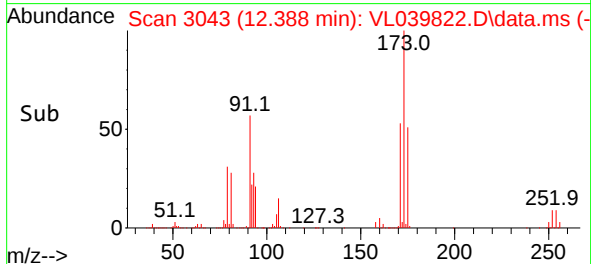
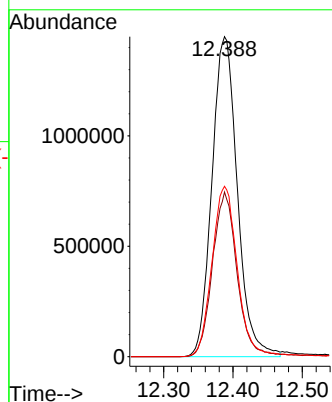
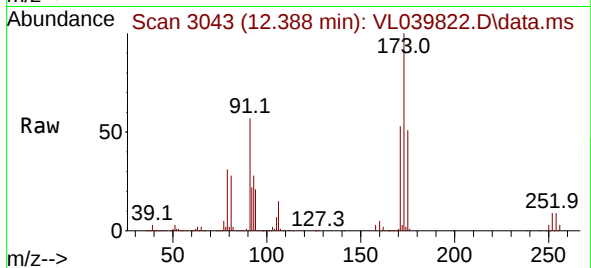
Tgt Ion:173 Resp: 3695993

Ion Ratio Lower Upper

173 100

175 50.6 39.7 59.5

171 53.8 41.7 62.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.446 min Scan# 2750

Delta R.T. -0.006 min

Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

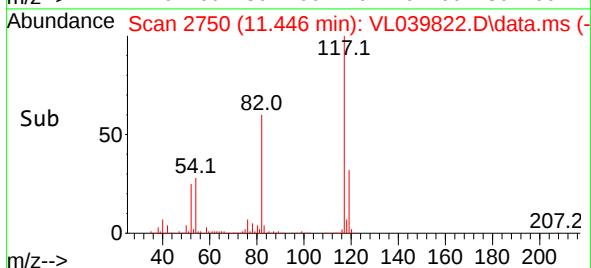
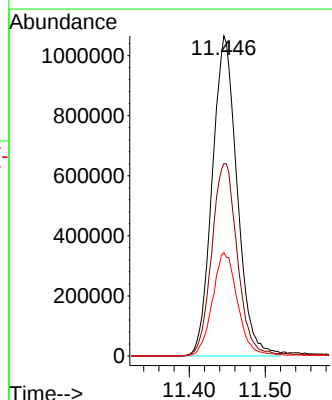
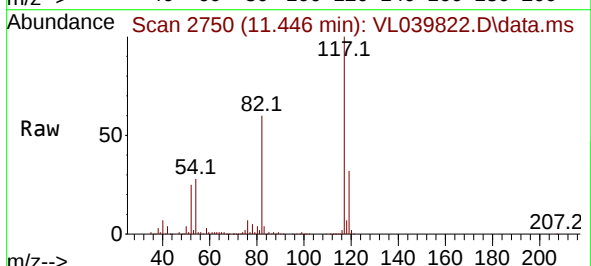
Tgt Ion:117 Resp: 2424169

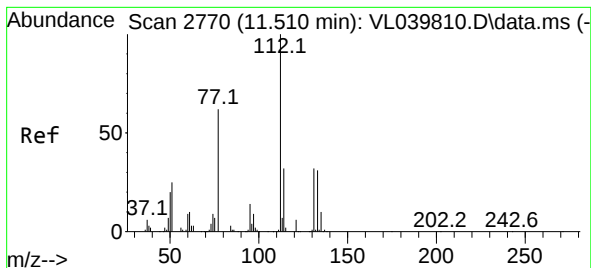
Ion Ratio Lower Upper

117 100

82 62.6 51.0 76.6

119 32.9 24.7 37.1





#57

Chlorobenzene

Concen: 20.494 ppbv

RT: 11.507 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL039822.D

Acq: 3 Nov 2022 12:28

Instrument :

MSVOA_L

ClientSampleId :

E062-1100

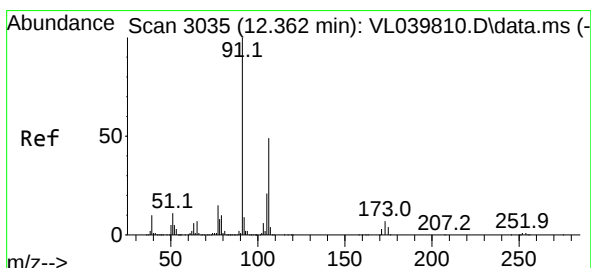
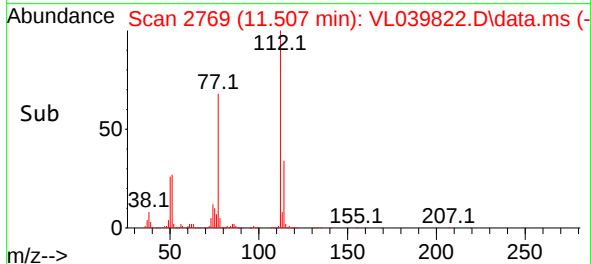
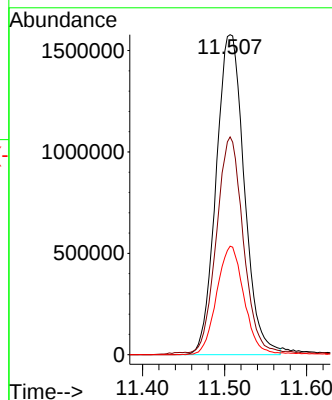
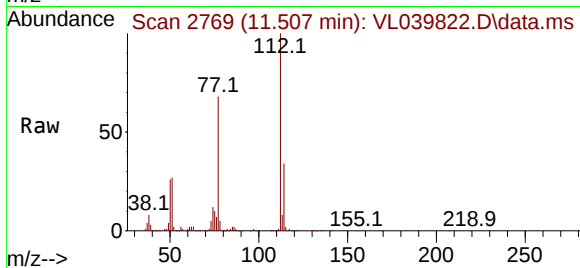
Tgt Ion:112 Resp: 3768334

Ion Ratio Lower Upper

112 100

77 67.4 49.8 74.6

114 33.9 29.0 35.4



#59

m/p-Xylene

Concen: 26.618 ppbv

RT: 12.359 min Scan# 3034

Delta R.T. -0.003 min

Lab File: VL039822.D

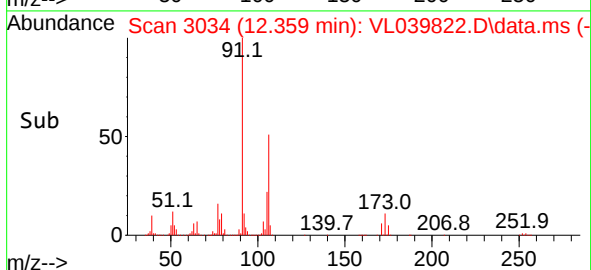
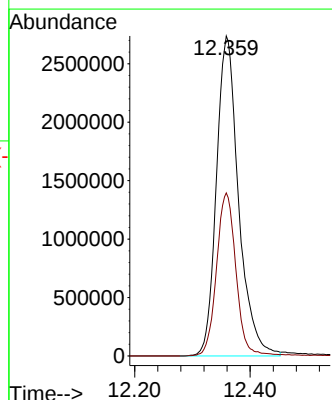
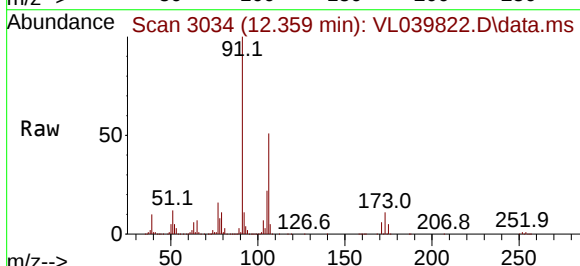
Acq: 3 Nov 2022 12:28

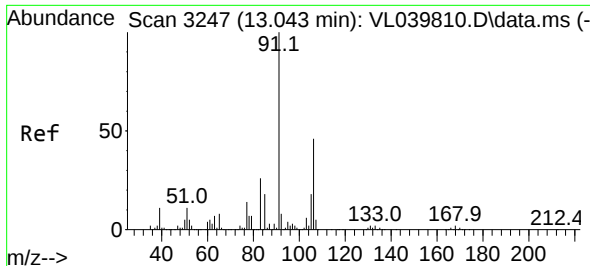
Tgt Ion: 91 Resp: 7282775

Ion Ratio Lower Upper

91 100

106 45.4 37.6 56.4

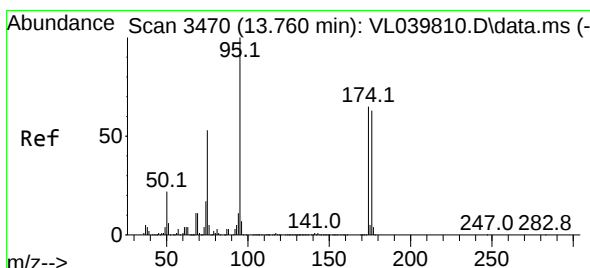
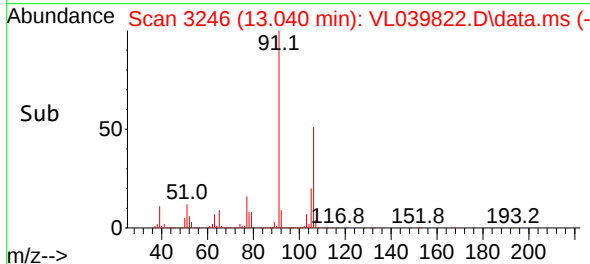
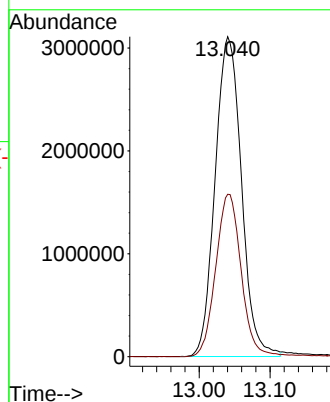
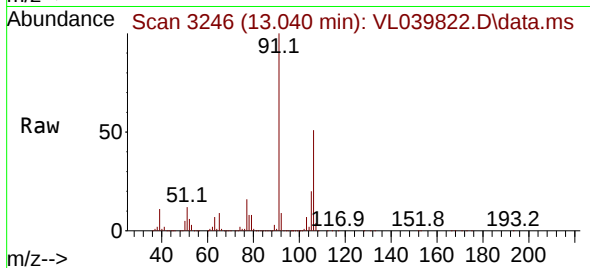




#60
o-Xylene
Concen: 30.979 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

Instrument :
MSVOA_L
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Tgt Ion: 91 Resp: 8030242
Ion Ratio Lower Upper
91 100
106 49.8 23.6 70.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.349 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.003 min
Lab File: VL039822.D
Acq: 3 Nov 2022 12:28

Tgt Ion: 95 Resp: 1877819
Ion Ratio Lower Upper
95 100
174 65.2 53.4 80.0
175 4.9 4.1 6.1

