

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039707.D
 Acq On : 10 Oct 2022 22:15
 Operator : SY/AP
 Sample : N5065-01 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Oct 11 07:22:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1050229	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2807796	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	2458745	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1872723	10.203	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

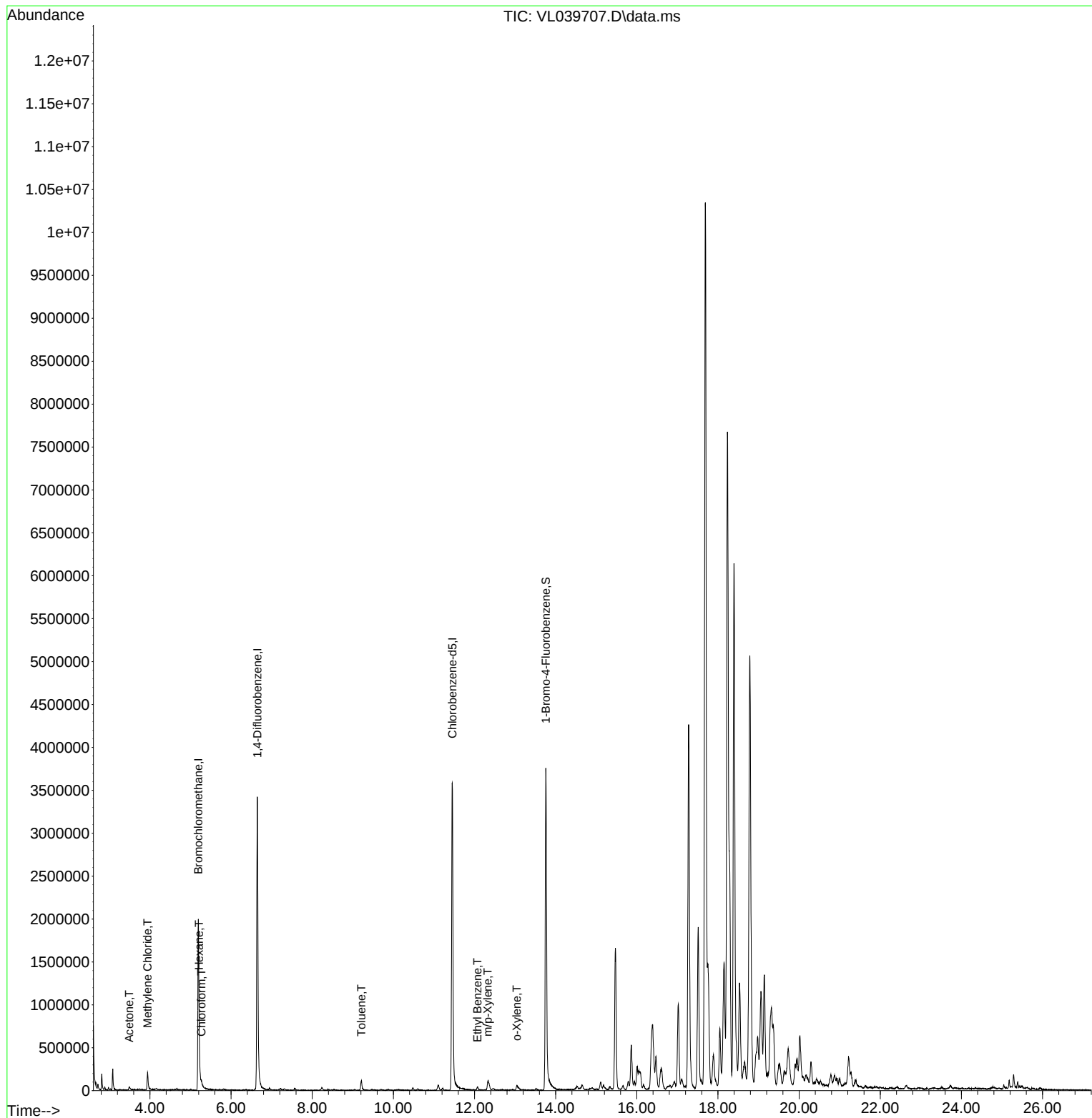
Target Compounds					Qvalue
15) Acetone	3.491	43	48905m	0.418	ppbv
20) Methylene Chloride	3.941	84	70863	1.312	ppbv 95
26) Hexane	5.211	57	59288	0.548	ppbv # 41
29) Chloroform	5.272	83	25515m	0.163	ppbv
53) Toluene	9.214	91	84410	0.354	ppbv 99
58) Ethyl Benzene	12.073	91	29207	0.103	ppbv 97
59) m/p-Xylene	12.327	91	115623m	0.458	ppbv
60) o-Xylene	13.044	91	37784	0.157	ppbv 97

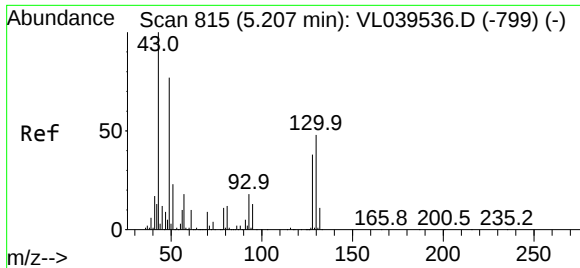
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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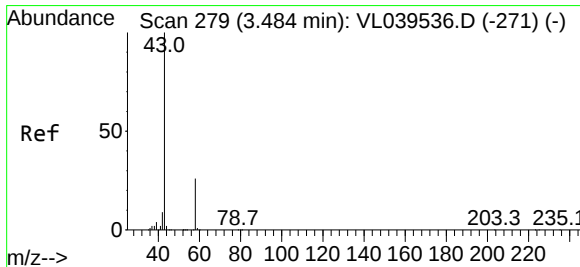
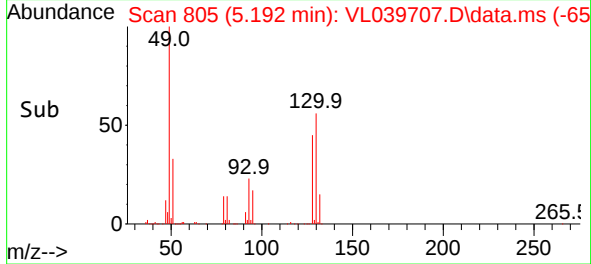
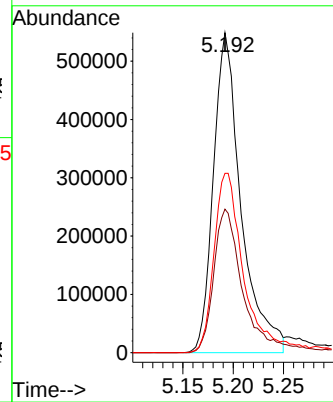
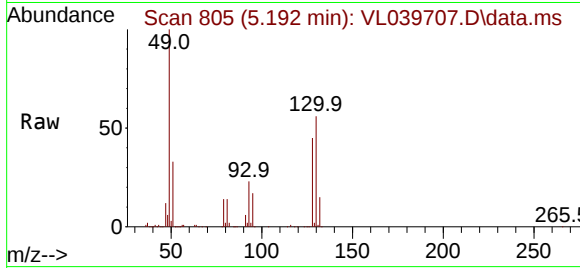




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 805
 Delta R.T. -0.015 min
 Lab File: VL039707.D
 Acq: 10 Oct 2022 22:15

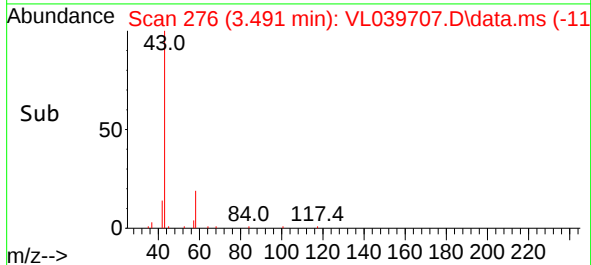
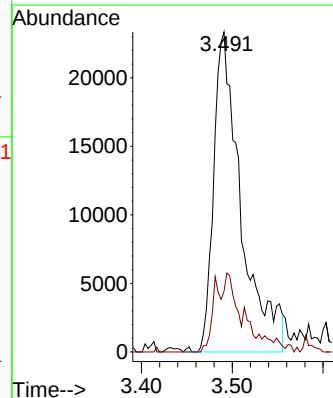
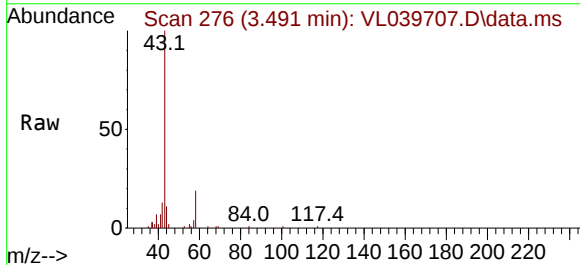
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

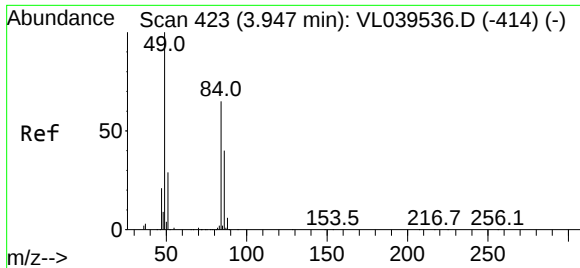
Tgt Ion: 49 Resp: 1050229
 Ion Ratio Lower Upper
 49 100
 128 49.4 26.7 80.0
 130 64.3 34.3 102.8



#15
 Acetone
 Concen: 0.418 ppbv m
 RT: 3.491 min Scan# 276
 Delta R.T. 0.007 min
 Lab File: VL039707.D
 Acq: 10 Oct 2022 22:15

Tgt Ion: 43 Resp: 48905
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.0 31.6#





#20

Methylene Chloride

Concen: 1.312 ppbv

RT: 3.941 min Scan# 416

Delta R.T. -0.006 min

Lab File: VL039707.D

Acq: 10 Oct 2022 22:15

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 84 Resp: 70863

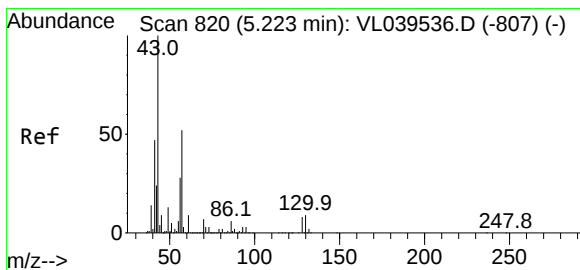
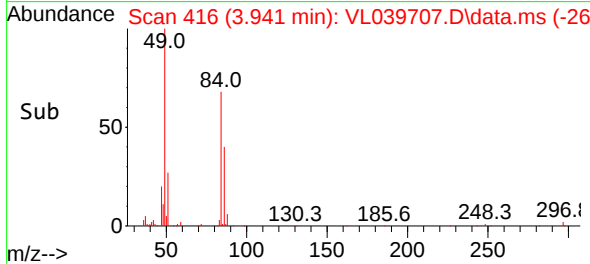
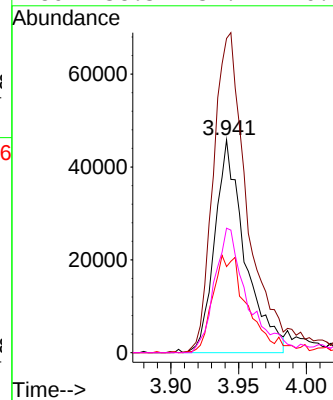
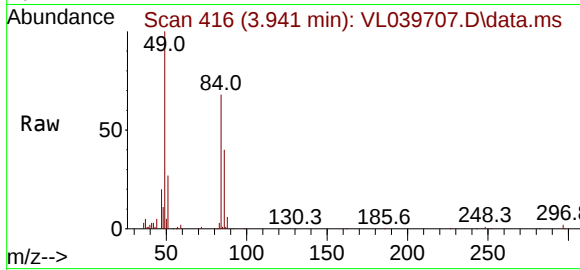
Ion Ratio Lower Upper

84 100

49 147.3 123.1 184.7

51 40.5 34.4 51.6

86 58.5 51.1 76.7



#26

Hexane

Concen: 0.548 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.012 min

Lab File: VL039707.D

Acq: 10 Oct 2022 22:15

Tgt Ion: 57 Resp: 59288

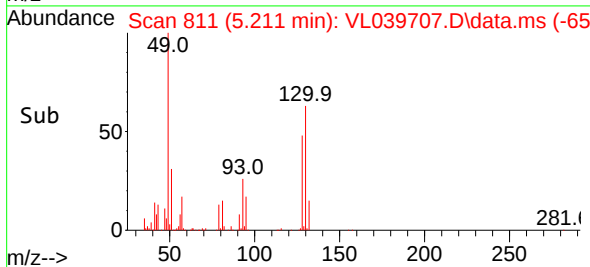
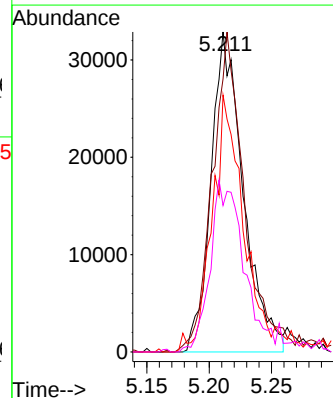
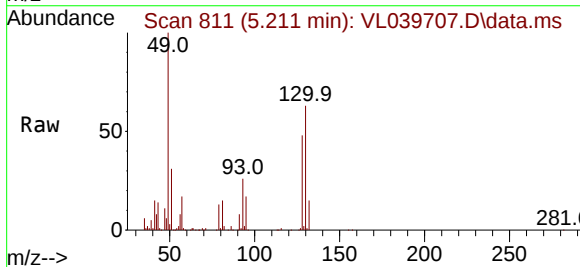
Ion Ratio Lower Upper

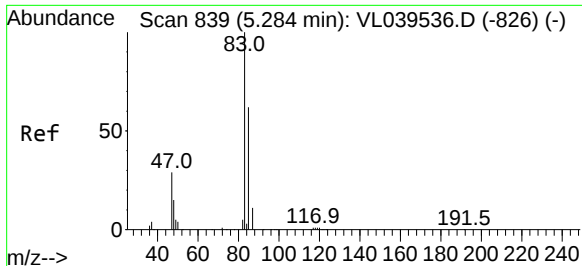
57 100

41 103.7 76.9 115.3

43 85.0 191.0 286.6#

56 59.8 43.2 64.8





#29

Chloroform

Concen: 0.163 ppbv m

RT: 5.272 min Scan# 81

Delta R.T. -0.012 min

Lab File: VL039707.D

Acq: 10 Oct 2022 22:15

Instrument :

MSVOA_L

ClientSampleId :

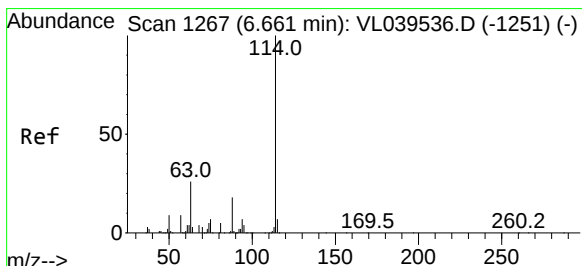
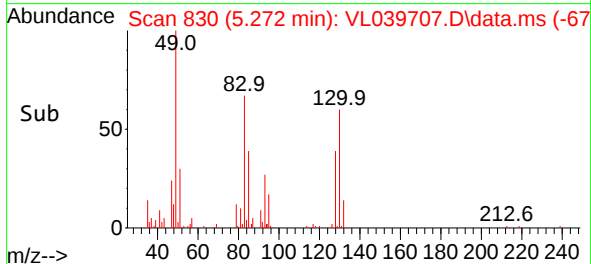
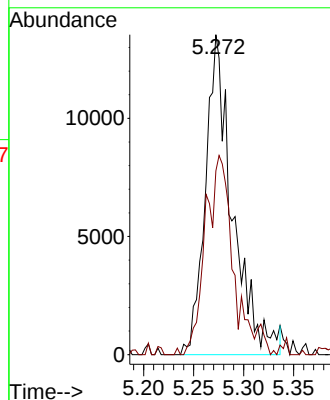
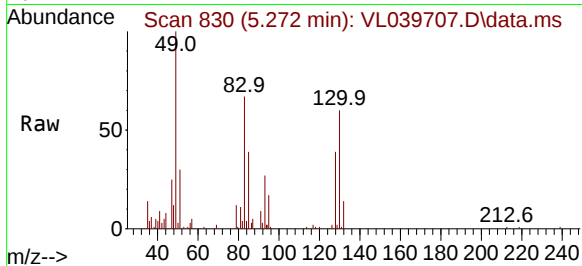
SV1

Tgt Ion: 83 Resp: 25515

Ion Ratio Lower Upper

83 100

85 57.5 52.8 79.2



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.012 min

Lab File: VL039707.D

Acq: 10 Oct 2022 22:15

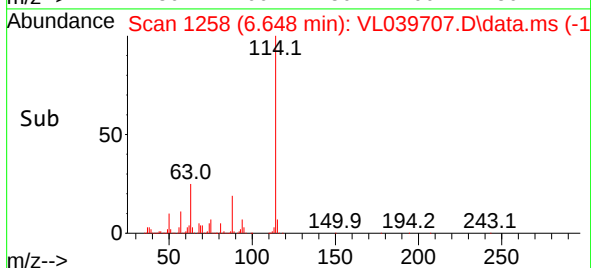
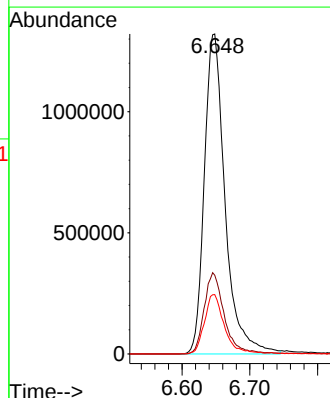
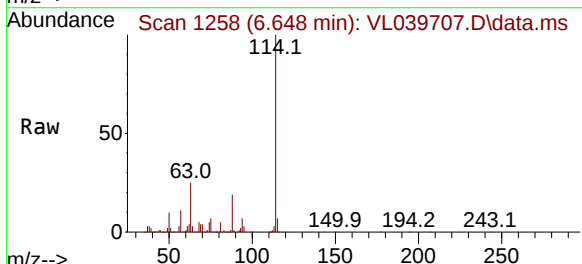
Tgt Ion:114 Resp: 2807796

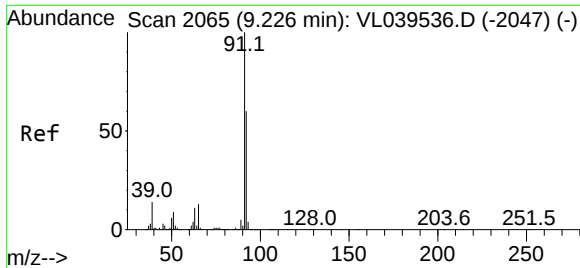
Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

88 18.0 14.5 21.7

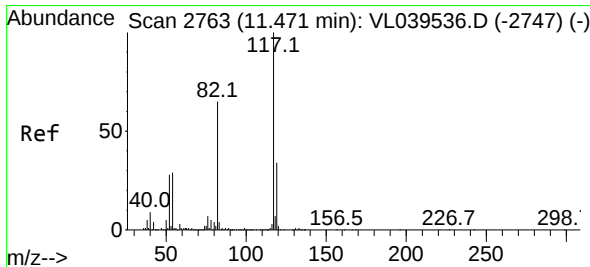
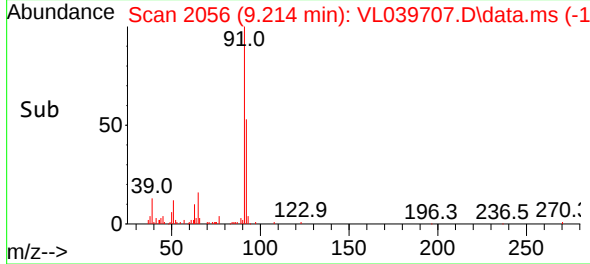
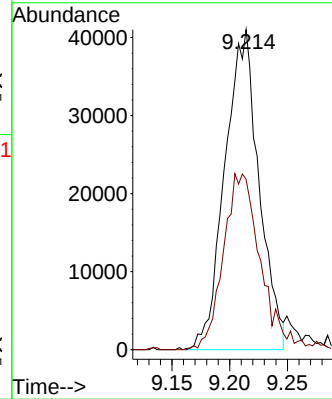
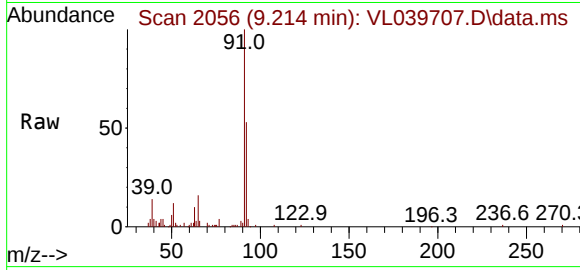




#53
Toluene
Concen: 0.354 ppbv
RT: 9.214 min Scan# 2065
Delta R.T. -0.012 min
Lab File: VL039707.D
Acq: 10 Oct 2022 22:15

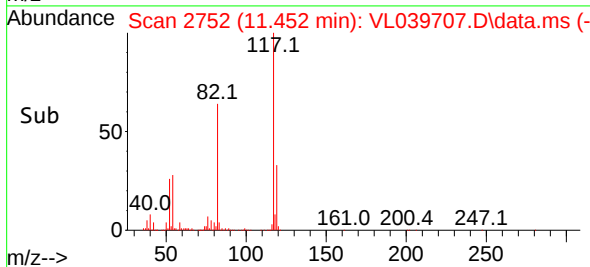
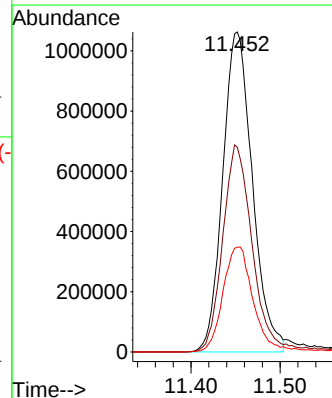
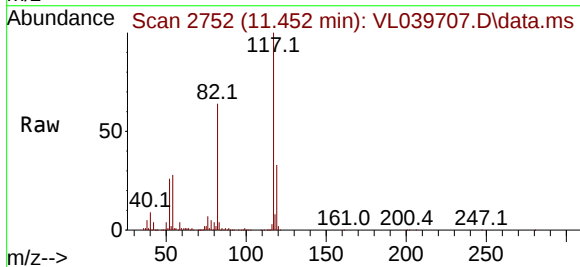
Instrument :
MSVOA_L
ClientSampleId :
SV1

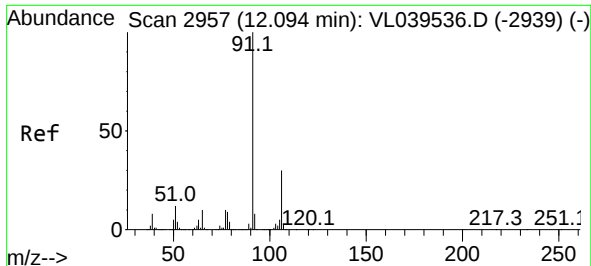
Tgt Ion: 91 Resp: 84410
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.019 min
Lab File: VL039707.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 117 Resp: 2458745
Ion Ratio Lower Upper
117 100
82 66.5 50.8 76.2
119 34.7 24.1 36.1





#58

Ethyl Benzene

Concen: 0.103 ppbv

RT: 12.073 min Scan# 2945

Delta R.T. -0.022 min

Lab File: VL039707.D

Acq: 10 Oct 2022 22:15

Instrument :

MSVOA_L

ClientSampleId :

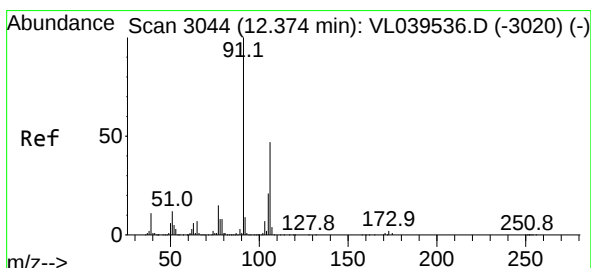
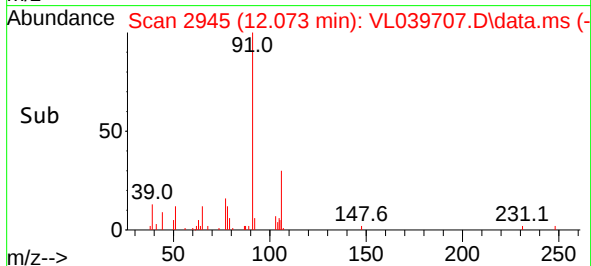
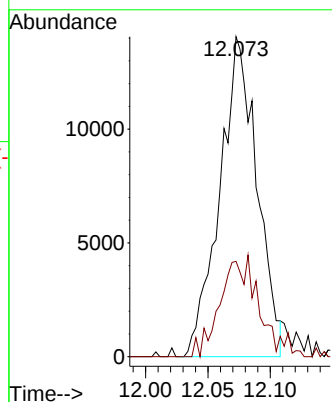
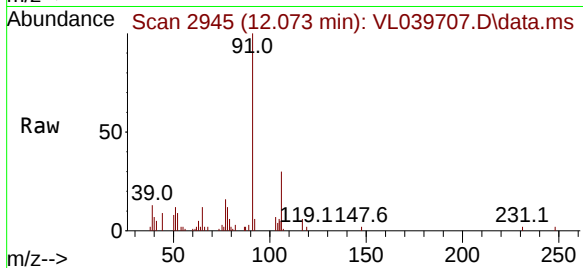
SV1

Tgt Ion: 91 Resp: 29207

Ion Ratio Lower Upper

91 100

106 29.8 25.4 38.0



#59

m/p-Xylene

Concen: 0.458 ppbv m

RT: 12.327 min Scan# 3024

Delta R.T. -0.048 min

Lab File: VL039707.D

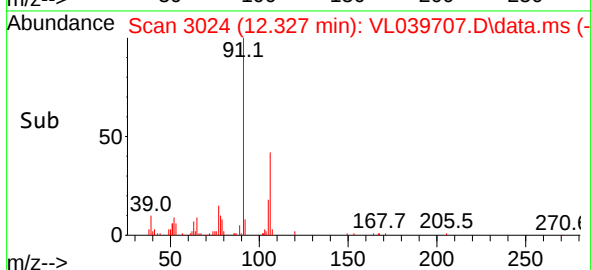
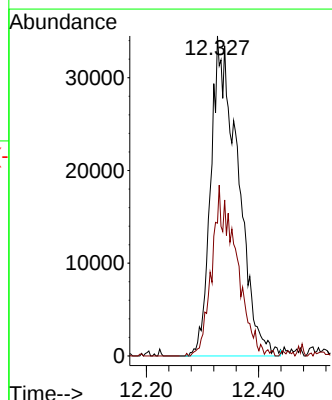
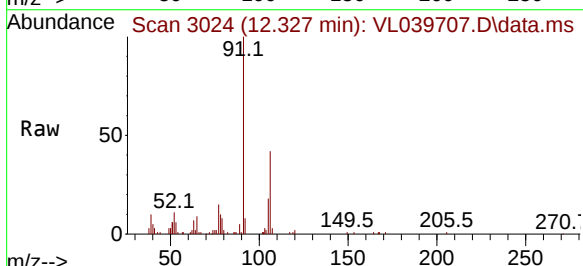
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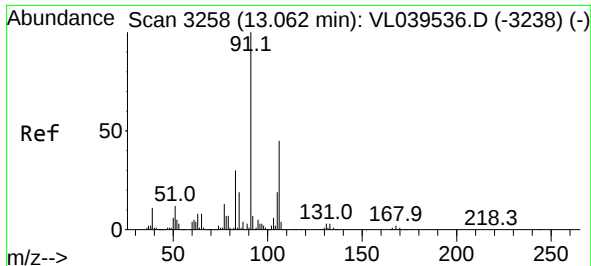
Tgt Ion: 91 Resp: 115623

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#

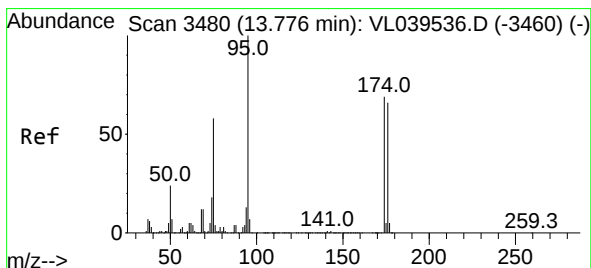
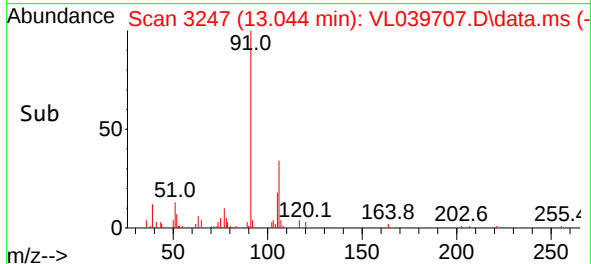
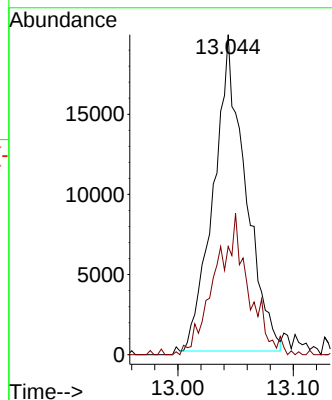
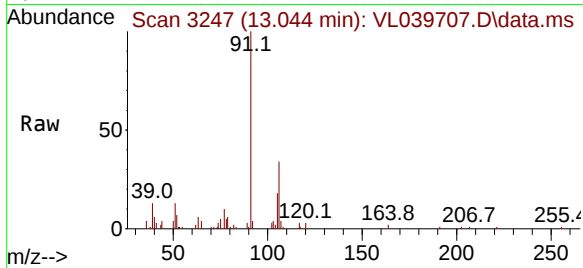




#60
o-Xylene
Concen: 0.157 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039707.D
Acq: 10 Oct 2022 22:15

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 37784
Ion Ratio Lower Upper
91 100
106 47.1 22.4 67.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.203 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.019 min
Lab File: VL039707.D
Acq: 10 Oct 2022 22:15

Tgt Ion: 95 Resp: 1872723
Ion Ratio Lower Upper
95 100
174 73.6 55.9 83.9
175 5.5 4.2 6.4

