

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039546.D
 Acq On : 17 Aug 2022 12:45
 Operator : SY/AP
 Sample : N3986-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100DL

Quant Time: Aug 18 05:36:57 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

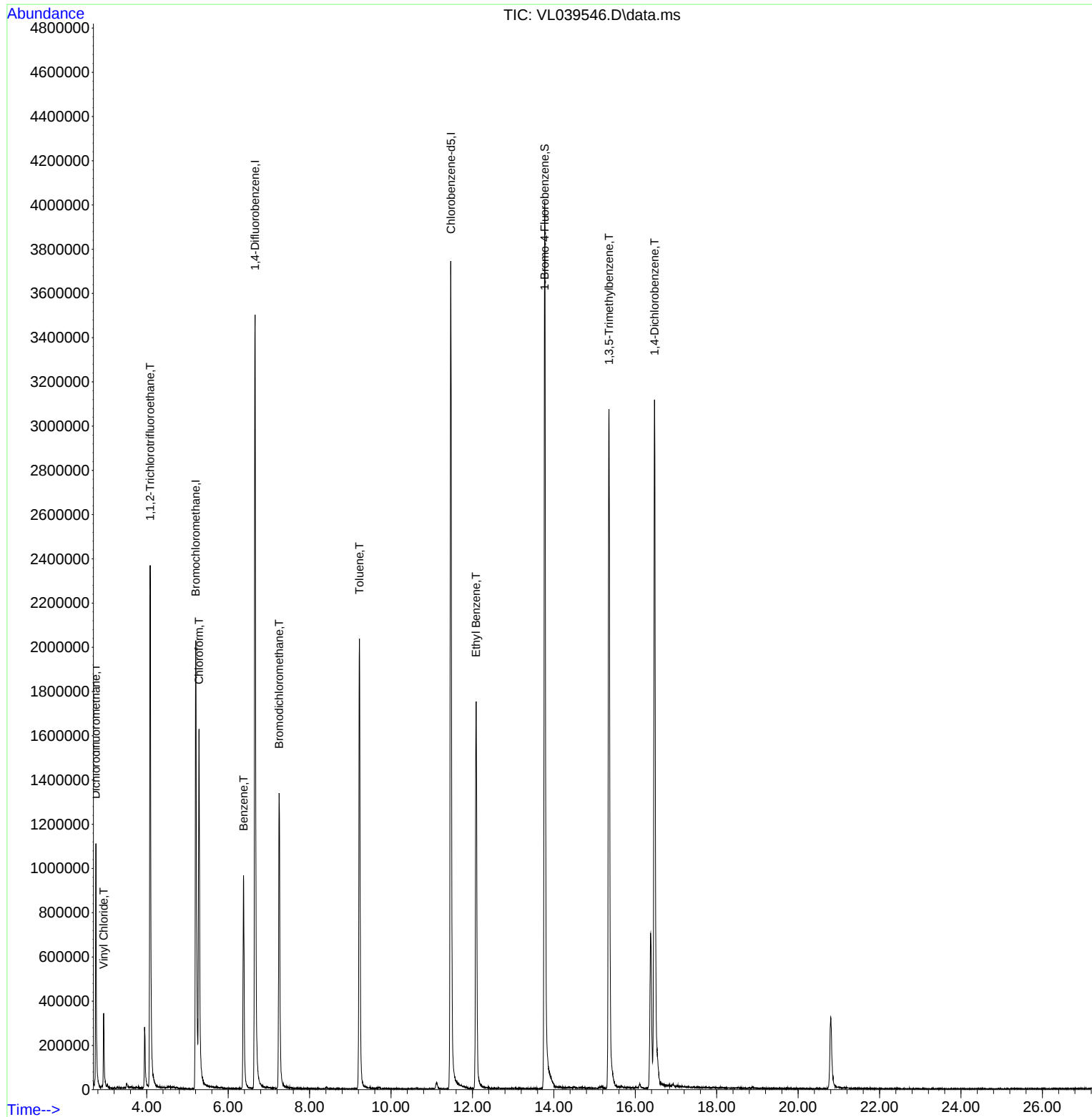
Internal Standards						
1) Bromochloromethane	5.204	49	1047517	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2753351	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2486502	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.776	95	1962503	10.484	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	853351	6.061	ppbv	98
5) Vinyl Chloride	2.944	62	317845	4.910	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.085	101	925746	8.103	ppbv	99
29) Chloroform	5.285	83	1165300	7.195	ppbv	96
36) Benzene	6.378	78	813525	3.877	ppbv	97
42) Bromodichloromethane	7.252	83	977340	6.134	ppbv	99
53) Toluene	9.223	91	1644332	6.994	ppbv	99
58) Ethyl Benzene	12.091	91	1637250	5.686	ppbv	100
73) 1,3,5-Trimethylbenzene	15.355	105	2570264	9.651	ppbv	97
76) 1,4-Dichlorobenzene	16.474	146	1824501	10.099	ppbv	99

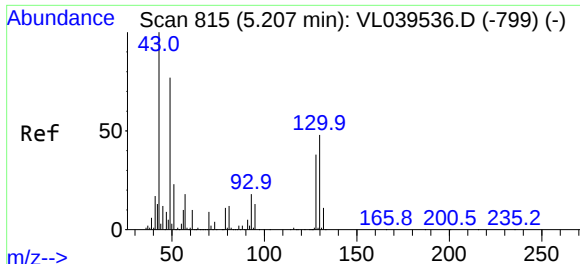
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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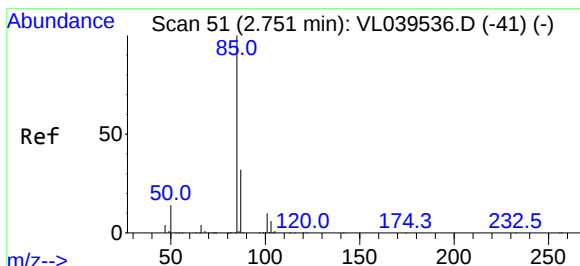
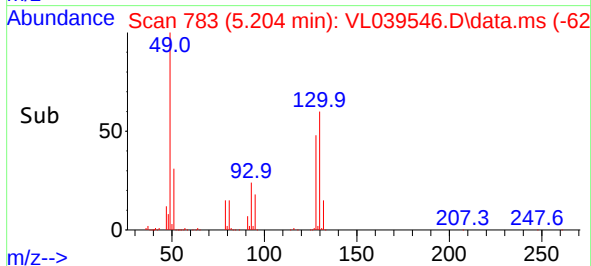
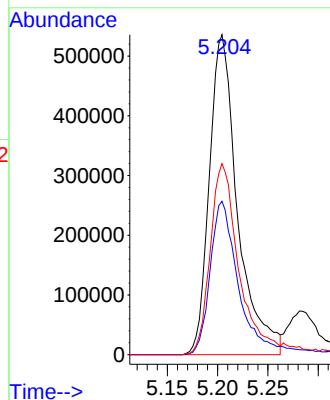
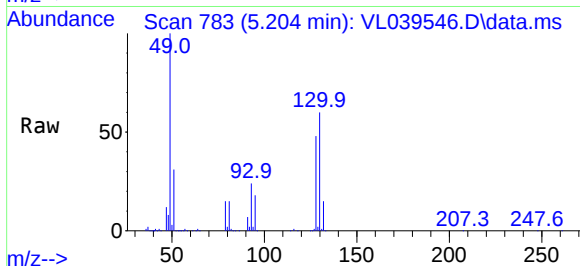




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.204 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

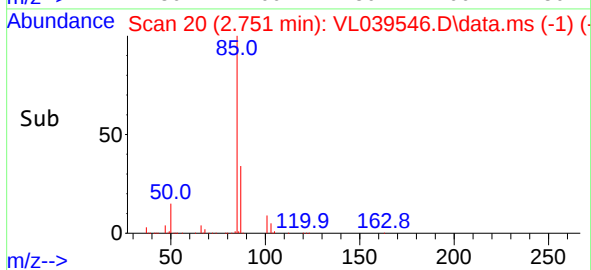
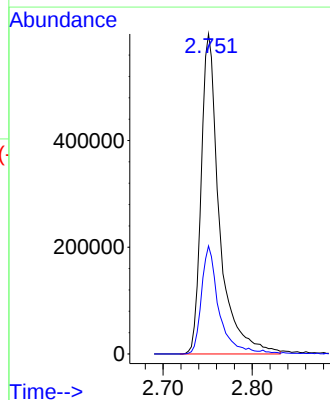
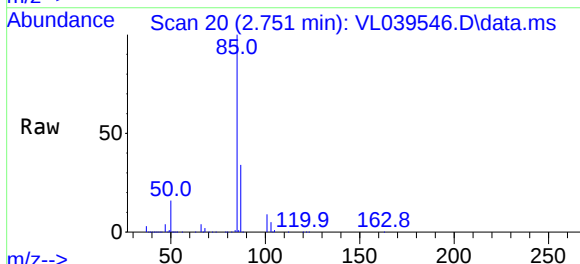
Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100DL

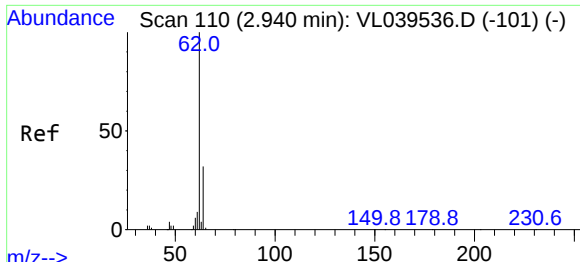
Tgt Ion: 49 Resp: 1047517
 Ion Ratio Lower Upper
 49 100
 128 50.6 25.7 77.0
 130 64.8 31.6 95.0



#2
 Dichlorodifluoromethane
 Concen: 6.061 ppbv
 RT: 2.751 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

Tgt Ion: 85 Resp: 853351
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.9 38.9

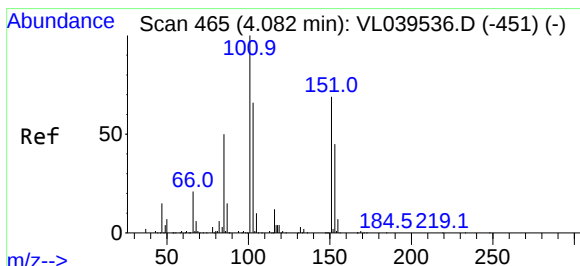
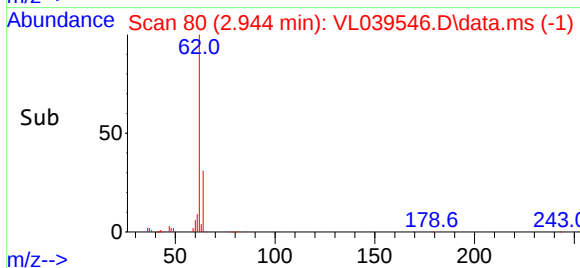
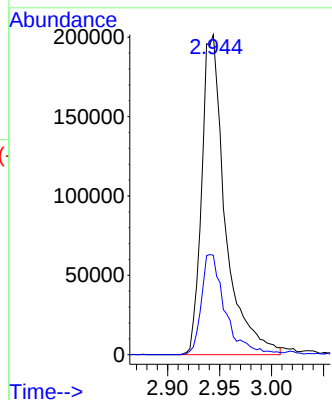
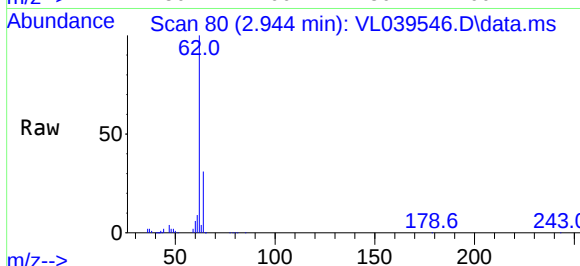




#5
 Vinyl Chloride
 Concen: 4.910 ppbv
 RT: 2.944 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

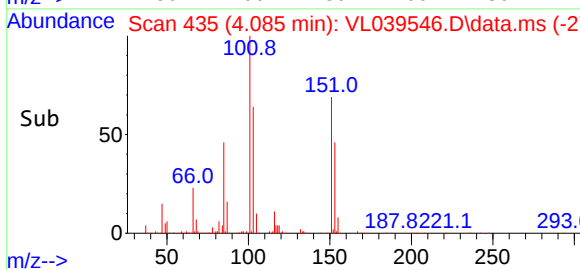
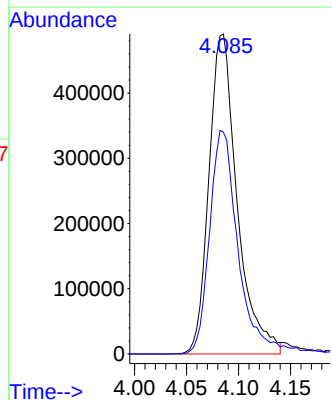
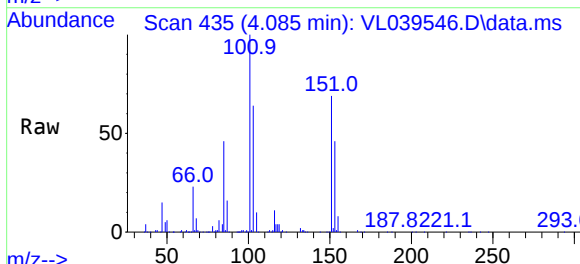
Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100DL

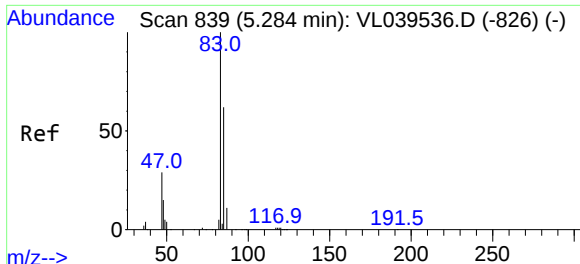
Tgt Ion: 62 Resp: 317845
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.5 38.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.103 ppbv
 RT: 4.085 min Scan# 435
 Delta R.T. 0.003 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

Tgt Ion: 101 Resp: 925746
 Ion Ratio Lower Upper
 101 100
 151 72.0 58.6 87.8





#29

Chloroform

Concen: 7.195 ppbv

RT: 5.285 min Scan# 80

Delta R.T. 0.000 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

Instrument :

MSVOA_L

ClientSampleId :

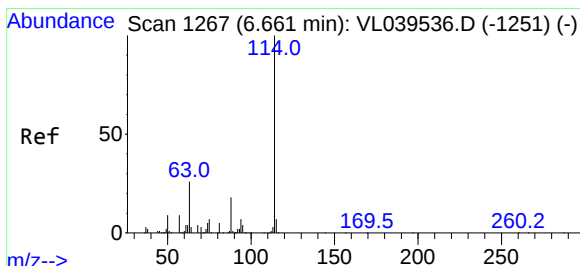
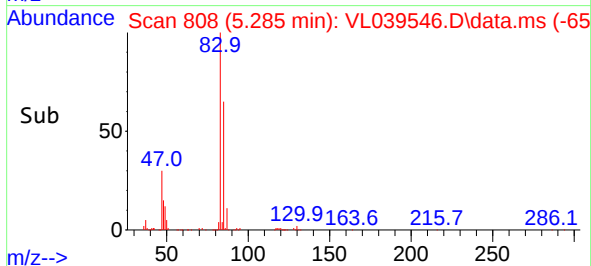
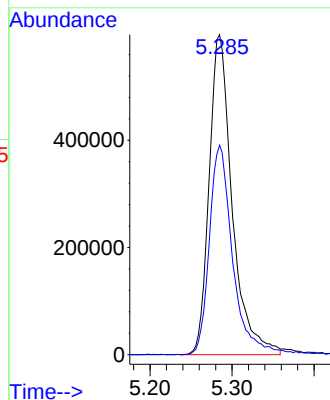
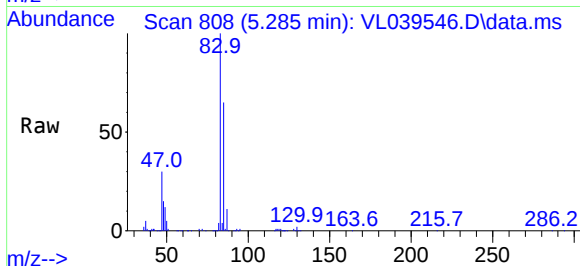
E061-1100DL

Tgt Ion: 83 Resp: 1165300

Ion Ratio Lower Upper

83 100

85 65.4 49.8 74.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

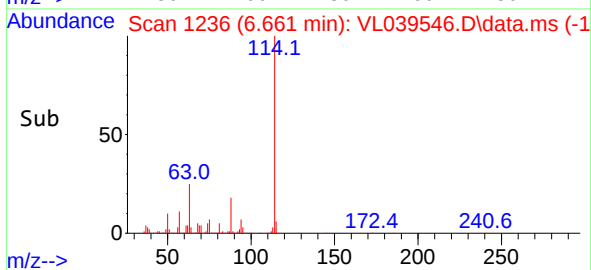
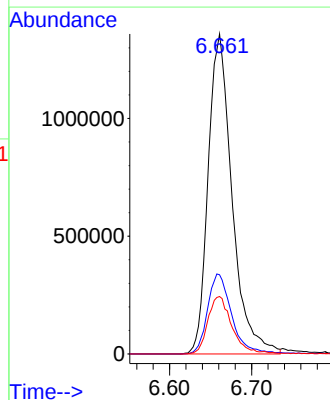
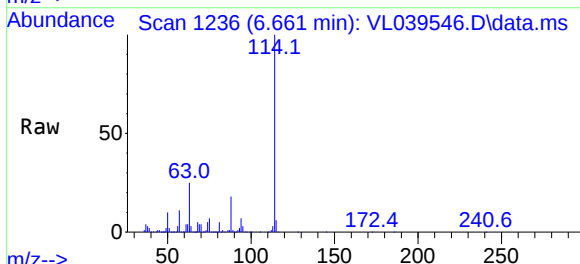
Tgt Ion: 114 Resp: 2753351

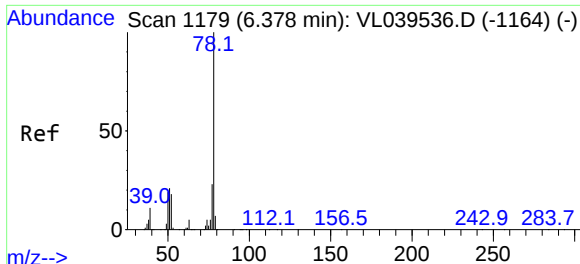
Ion Ratio Lower Upper

114 100

63 25.6 20.6 31.0

88 18.2 14.6 22.0

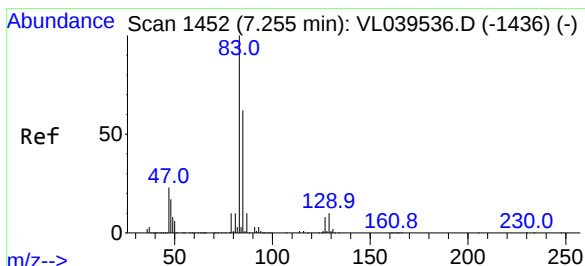
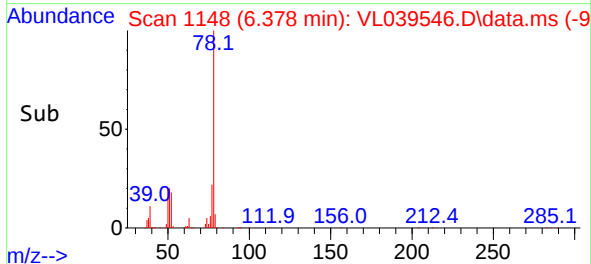
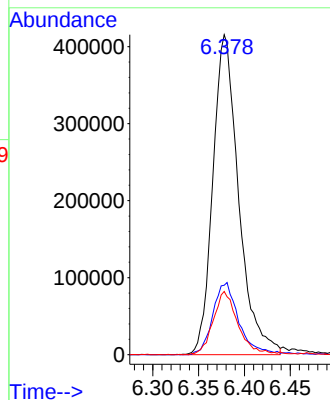
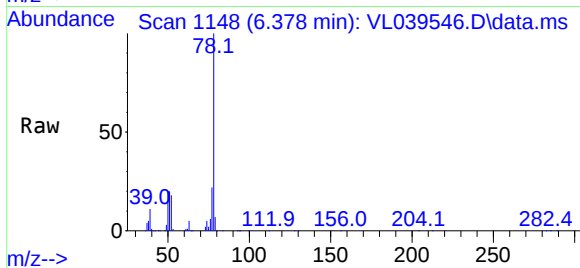




#36
Benzene
Concen: 3.877 ppbv
RT: 6.378 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

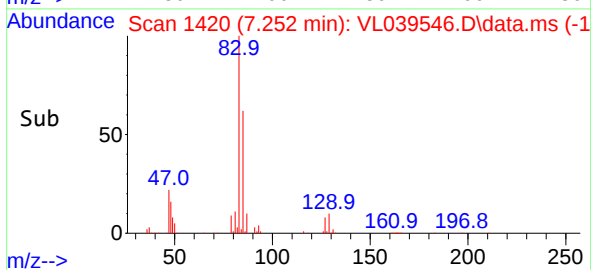
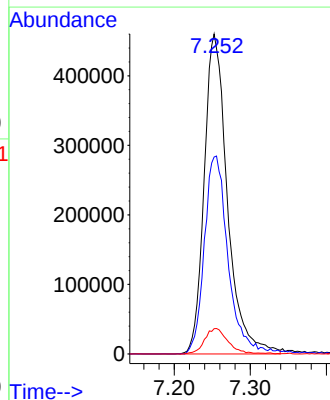
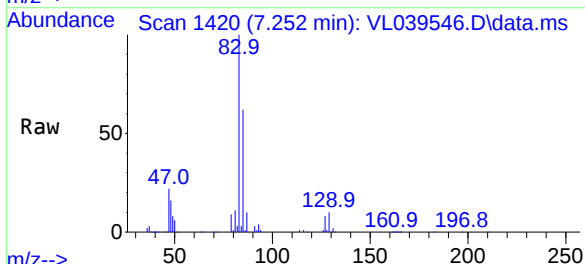
Instrument :
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ClientSampleId :
E061-1100DL

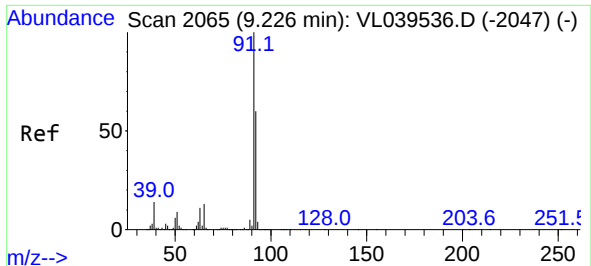
Tgt Ion: 78 Resp: 813525
Ion Ratio Lower Upper
78 100
77 21.7 18.6 27.8
50 19.7 15.0 22.4



#42
Bromodichloromethane
Concen: 6.134 ppbv
RT: 7.252 min Scan# 1420
Delta R.T. -0.003 min
Lab File: VL039546.D
Acq: 17 Aug 2022 12:45

Tgt Ion: 83 Resp: 977340
Ion Ratio Lower Upper
83 100
85 61.5 49.9 74.9
127 7.9 6.7 10.1





#53

Toluene

Concen: 6.994 ppbv

RT: 9.223 min Scan# 2065

Delta R.T. -0.003 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

Instrument :

MSVOA_1

ClientSampleId :

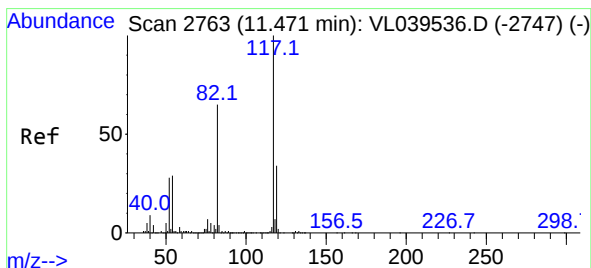
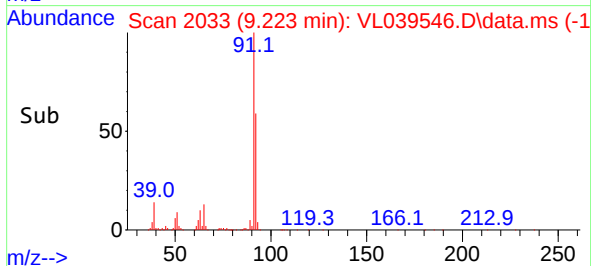
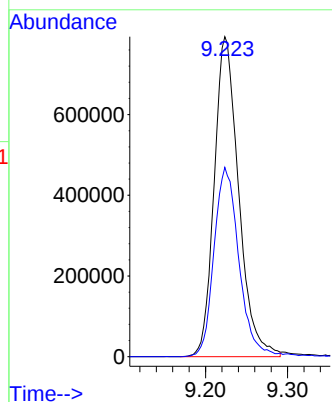
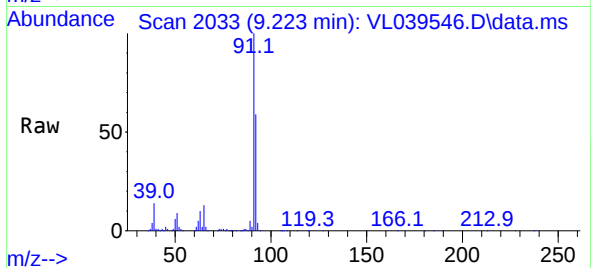
E061-1100DL

Tgt Ion: 91 Resp: 1644332

Ion Ratio Lower Upper

91 100

92 60.8 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2732

Delta R.T. 0.000 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

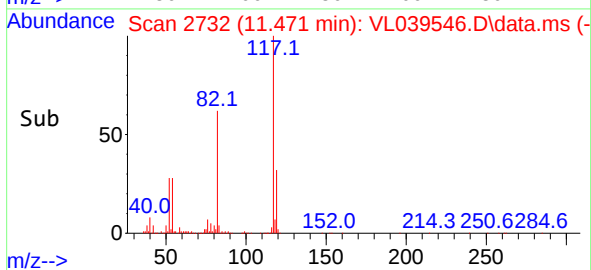
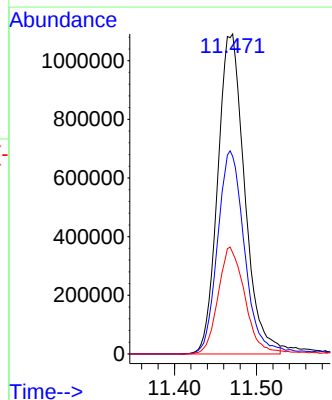
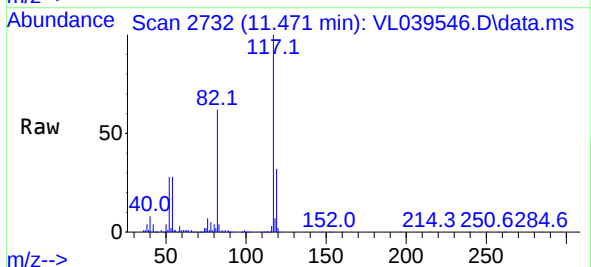
Tgt Ion: 117 Resp: 2486502

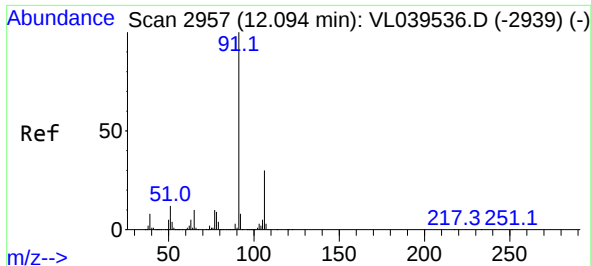
Ion Ratio Lower Upper

117 100

82 65.2 49.1 73.7

119 34.4 25.9 38.9





#58

Ethyl Benzene

Concen: 5.686 ppbv

RT: 12.091 min Scan# 2957

Delta R.T. -0.003 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

Instrument :

MSVOA_L

ClientSampleId :

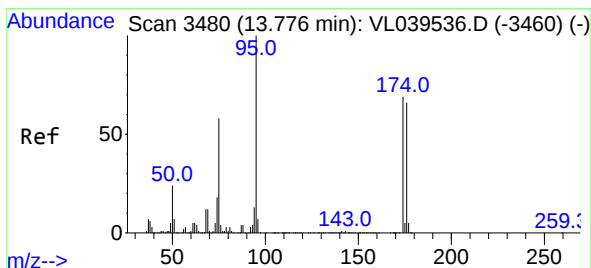
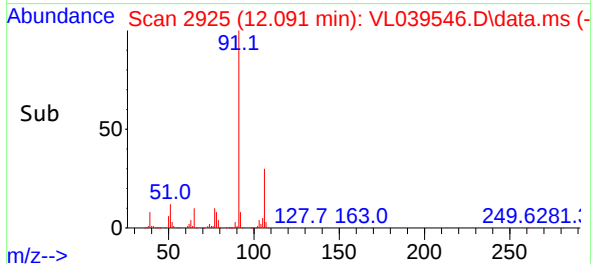
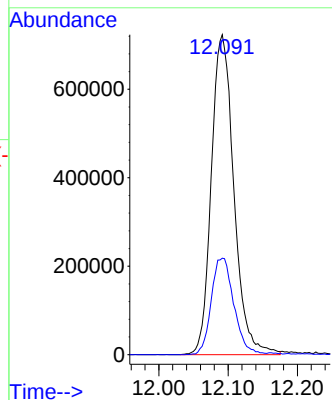
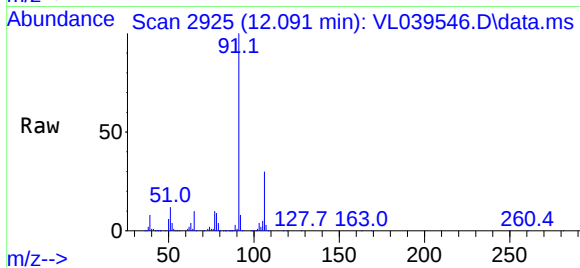
E061-1100DL

Tgt Ion: 91 Resp: 1637250

Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.484 ppbv

RT: 13.776 min Scan# 3449

Delta R.T. 0.000 min

Lab File: VL039546.D

Acq: 17 Aug 2022 12:45

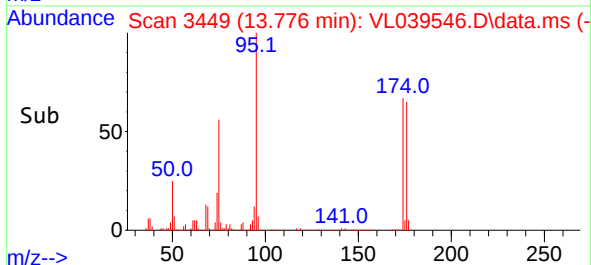
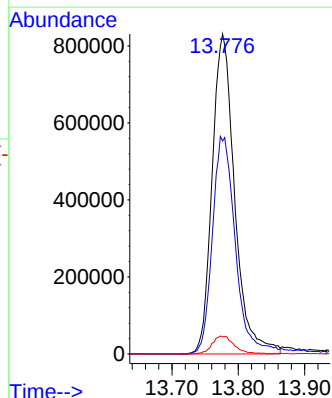
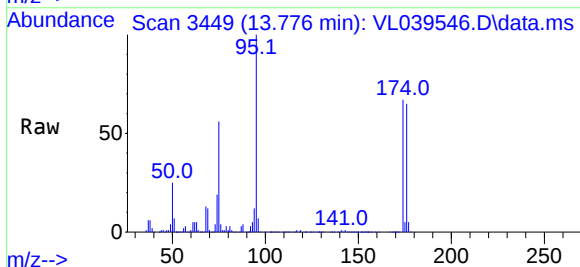
Tgt Ion: 95 Resp: 1962503

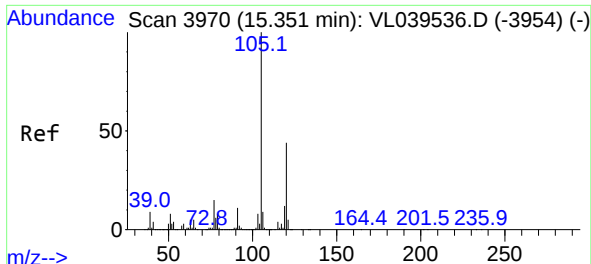
Ion Ratio Lower Upper

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174 72.0 56.3 84.5

175 5.6 4.3 6.5

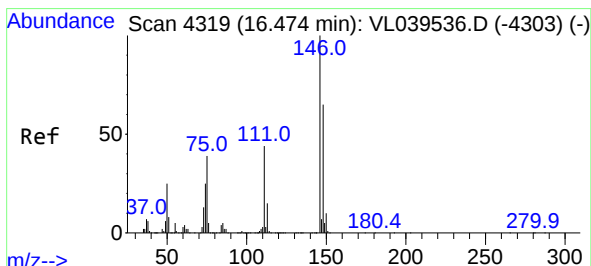
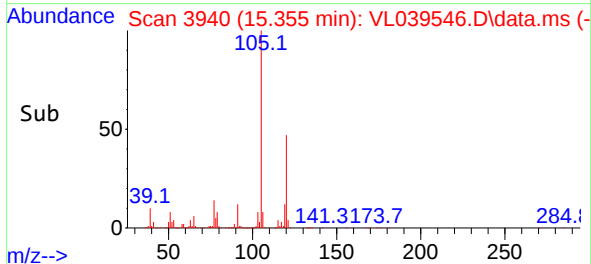
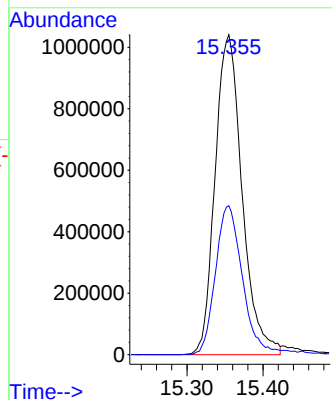
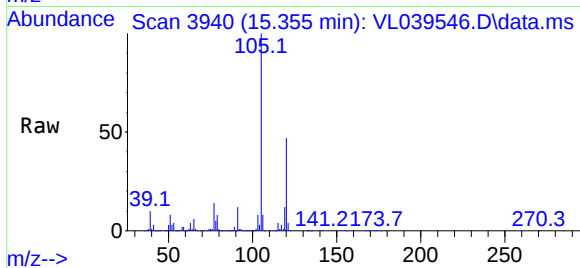




#73
 1,3,5-Trimethylbenzene
 Concen: 9.651 ppbv
 RT: 15.355 min Scan# 3970
 Delta R.T. 0.004 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100DL

Tgt Ion:105 Resp: 2570264
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.4 53.2



#76
 1,4-Dichlorobenzene
 Concen: 10.099 ppbv
 RT: 16.474 min Scan# 4288
 Delta R.T. 0.000 min
 Lab File: VL039546.D
 Acq: 17 Aug 2022 12:45

Tgt Ion:146 Resp: 1824501
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.3 66.8
 148 64.1 31.5 94.5

