

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039545.D
 Acq On : 17 Aug 2022 12:06
 Operator : SY/AP
 Sample : N3986-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100

Quant Time: Aug 18 05:36:43 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)

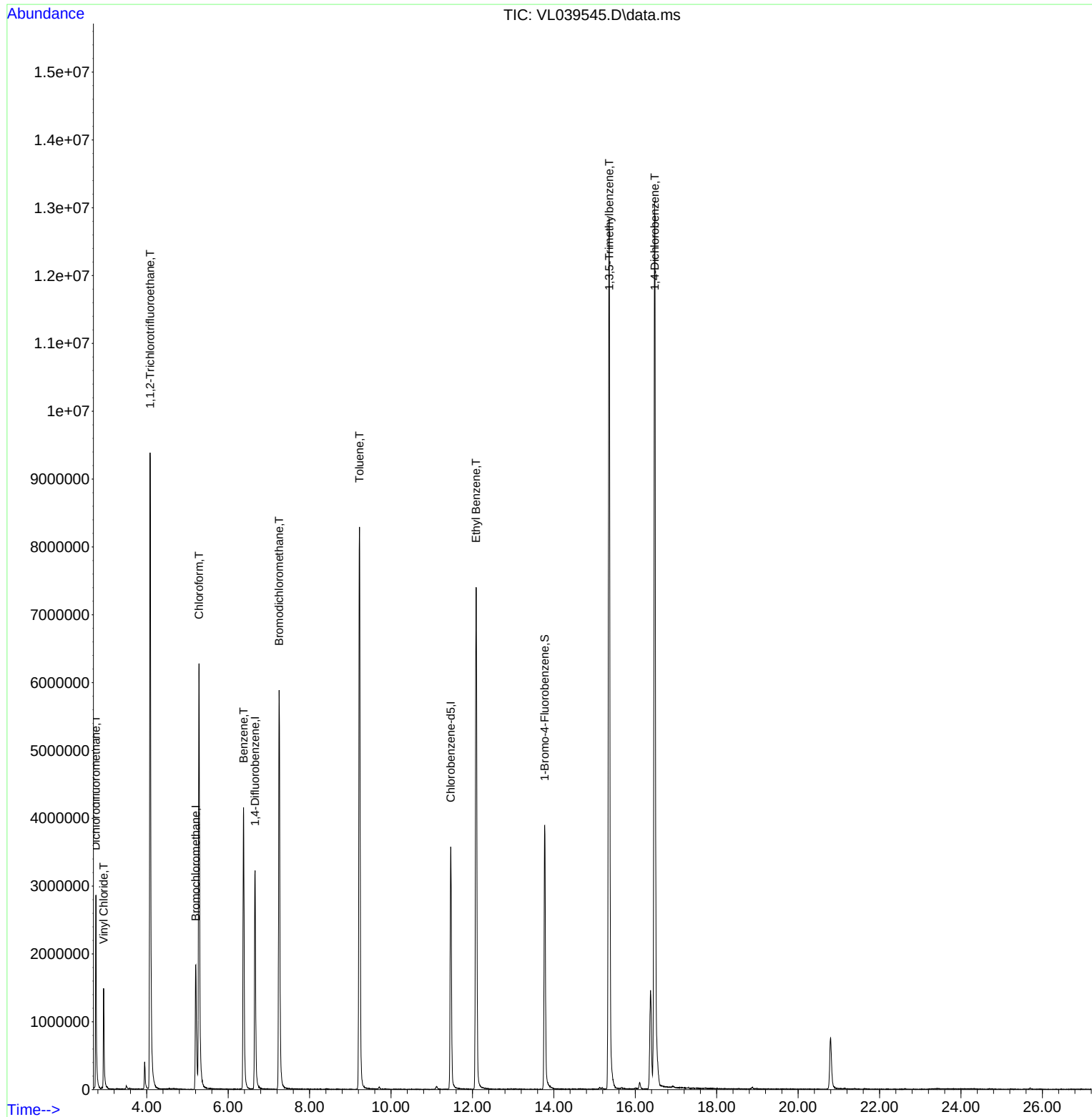
Internal Standards						
1) Bromochloromethane	5.201	49	910356	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2482728	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2358621	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1880671	10.592	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.900%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.751	85	2247274	18.366	ppbv	99
5) Vinyl Chloride	2.941	62	1362184	24.214	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.082	101	3738838	37.657	ppbv	98
29) Chloroform	5.285	83	4719811	33.532	ppbv	94
36) Benzene	6.378	78	3573837	18.887	ppbv	99
42) Bromodichloromethane	7.253	83	4230618	29.449	ppbv	95
53) Toluene	9.227	91	7045605	33.234	ppbv	97
58) Ethyl Benzene	12.092	91	7044376	25.792	ppbv	94
73) 1,3,5-Trimethylbenzene	15.358	105	10592930	41.930	ppbv	89
76) 1,4-Dichlorobenzene	16.477	146	7506013	43.802	ppbv	97

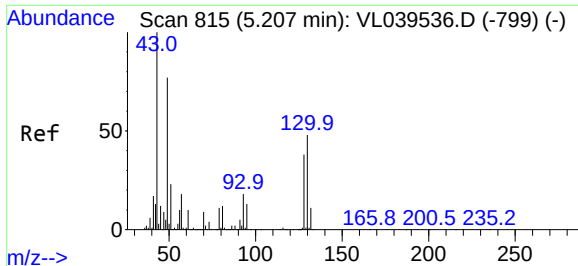
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 17 12:06:24 2022
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#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

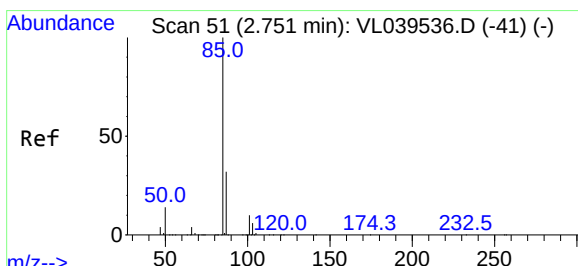
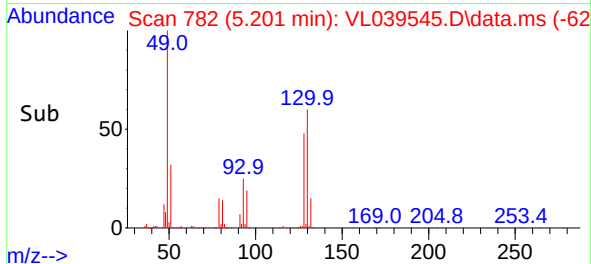
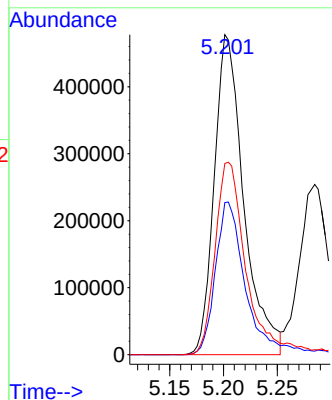
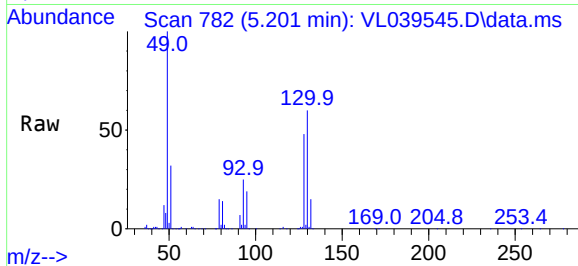
Instrument :

MSVOA_L

ClientSampleId :

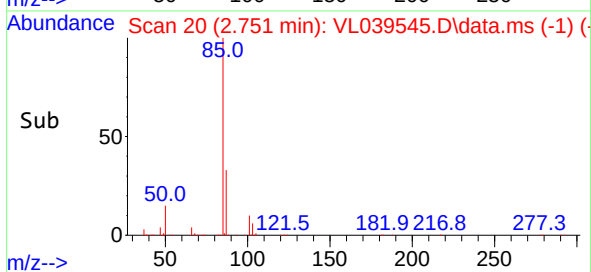
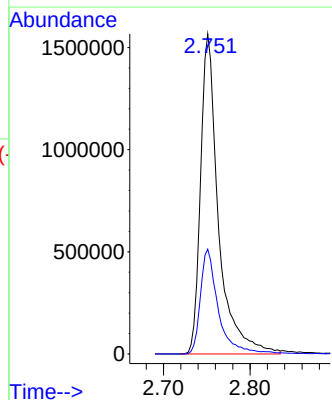
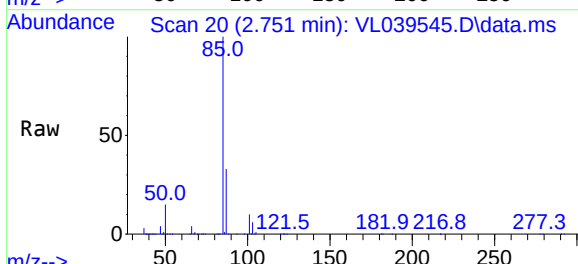
E061-1100

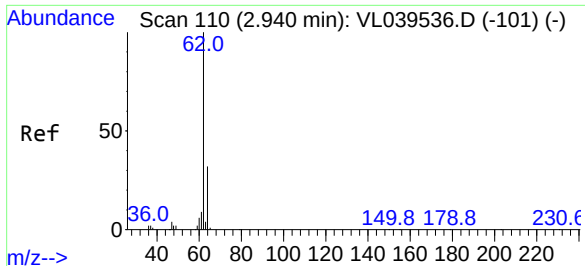
Tgt Ion: 49 Resp: 910356
 Ion Ratio Lower Upper
 49 100
 128 50.2 25.7 77.0
 130 66.2 31.6 95.0



#2
 Dichlorodifluoromethane
 Concen: 18.366 ppbv
 RT: 2.751 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

Tgt Ion: 85 Resp: 2247274
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.9 38.9





#5
 Vinyl Chloride
 Concen: 24.214 ppbv
 RT: 2.941 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

Instrument :

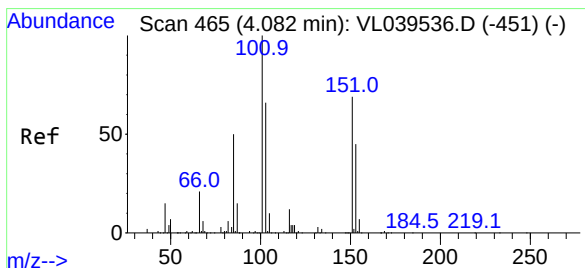
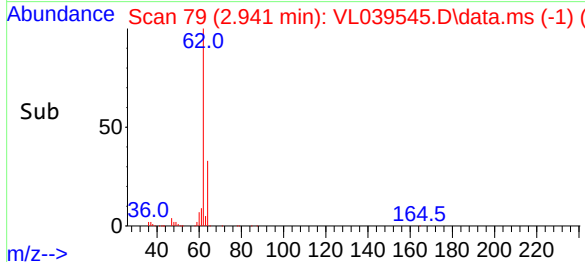
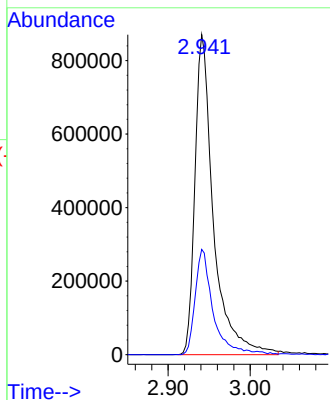
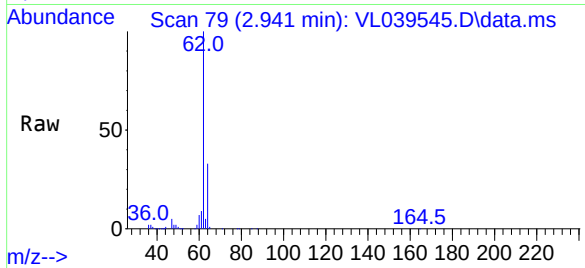
MSVOA_L

ClientSampleId :

E061-1100

Tgt Ion: 62 Resp: 1362184

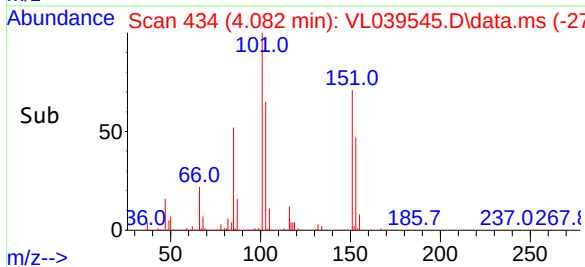
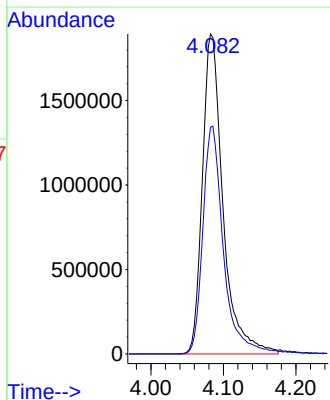
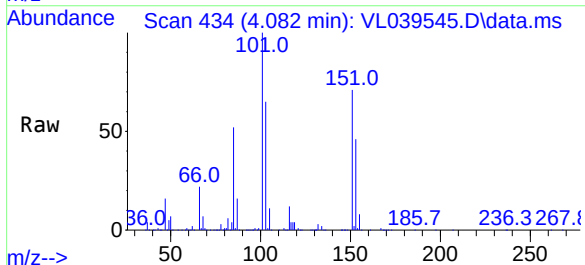
Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3

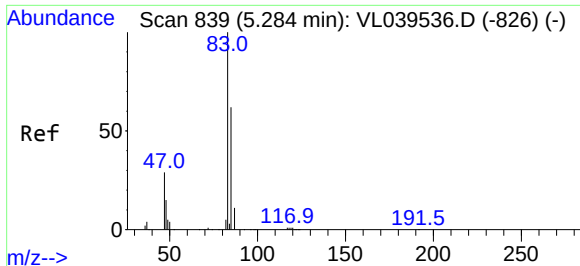


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 37.657 ppbv
 RT: 4.082 min Scan# 434
 Delta R.T. 0.000 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

Tgt Ion: 101 Resp: 3738838

Ion	Ratio	Lower	Upper
101	100		
151	71.6	58.6	87.8

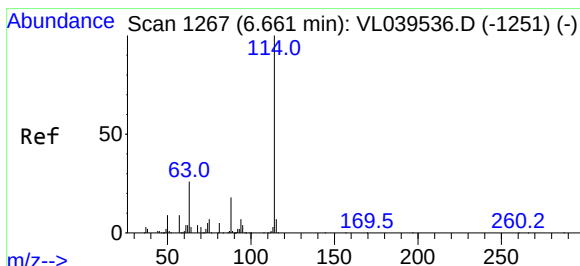
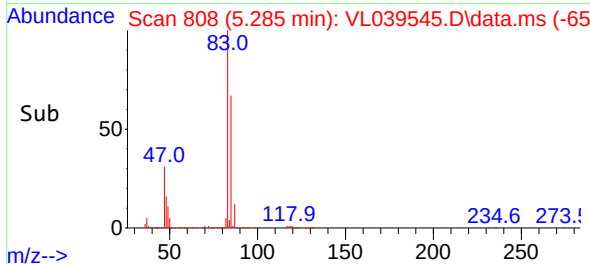
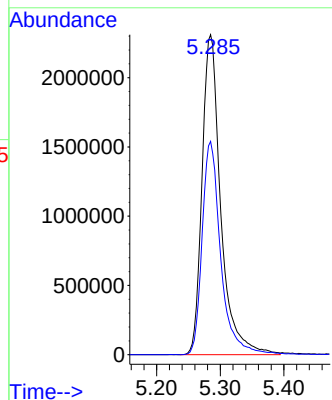
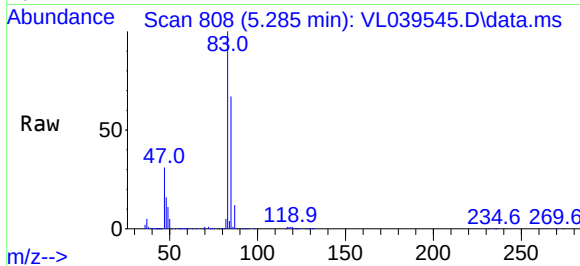




#29
Chloroform
Concen: 33.532 ppbv
RT: 5.285 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

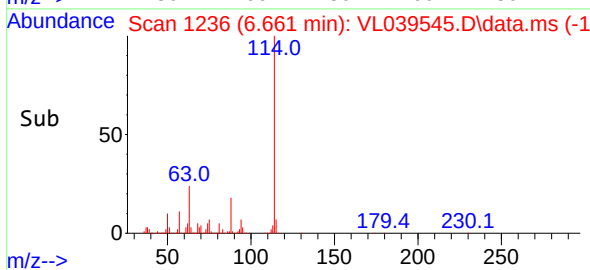
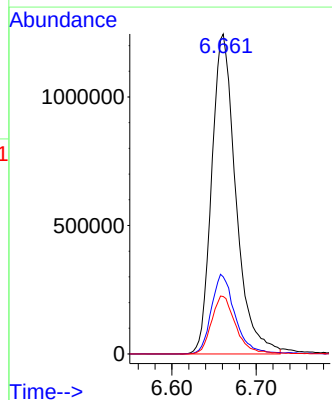
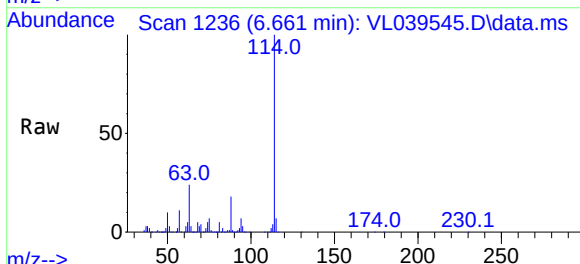
Instrument :
MSVOA_L
ClientSampleId :
E061-1100

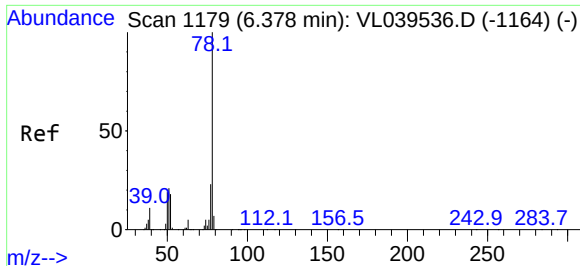
Tgt Ion: 83 Resp: 4719811
Ion Ratio Lower Upper
83 100
85 66.7 49.8 74.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

Tgt Ion:114 Resp: 2482728
Ion Ratio Lower Upper
114 100
63 24.7 20.6 31.0
88 18.3 14.6 22.0





#36

Benzene

Concen: 18.887 ppbv

RT: 6.378 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VL039545.D

Acq: 17 Aug 2022 12:06

Instrument :

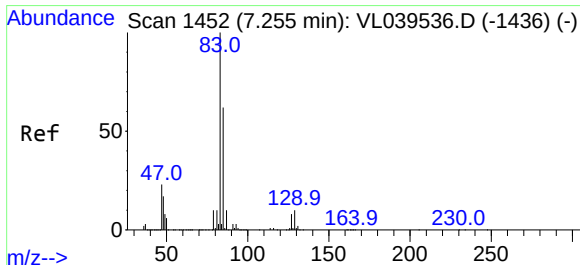
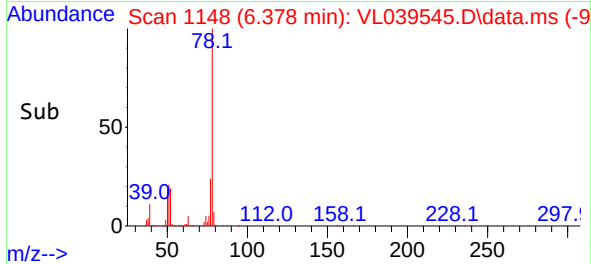
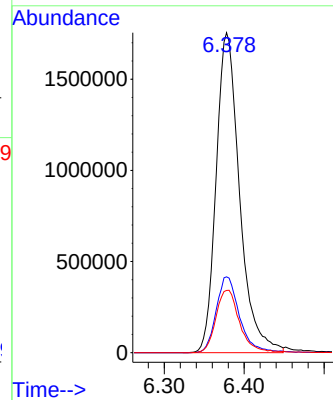
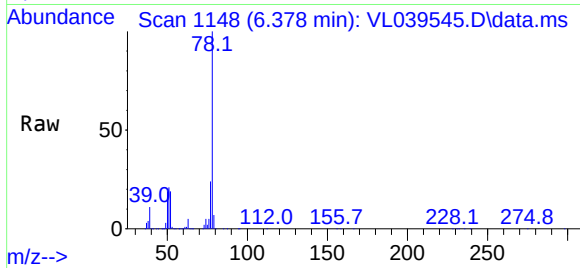
MSVOA_L

ClientSampleId :

E061-1100

Tgt Ion: 78 Resp: 3573837

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8
50	19.5	15.0	22.4



#42

Bromodichloromethane

Concen: 29.449 ppbv

RT: 7.253 min Scan# 1420

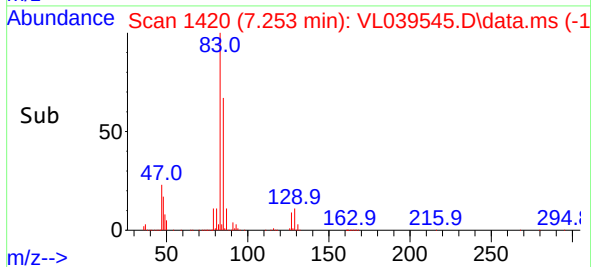
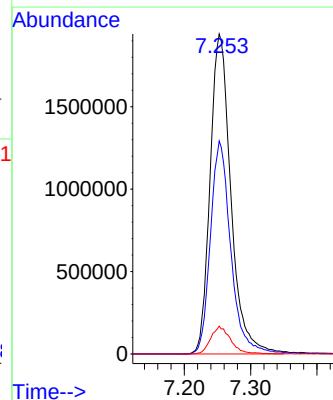
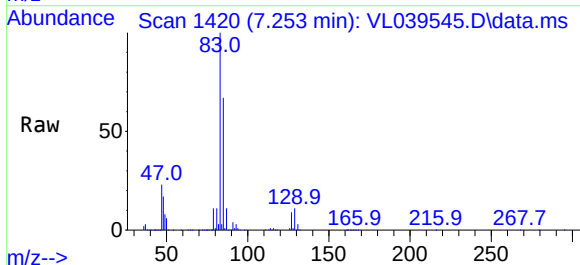
Delta R.T. -0.003 min

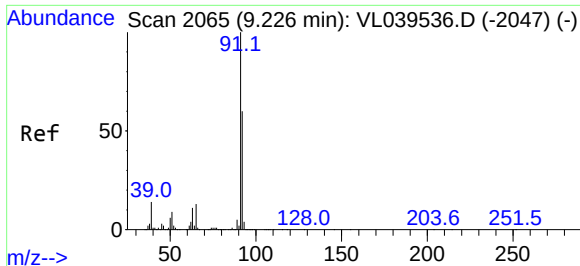
Lab File: VL039545.D

Acq: 17 Aug 2022 12:06

Tgt Ion: 83 Resp: 4230618

Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.9	74.9
127	8.7	6.7	10.1

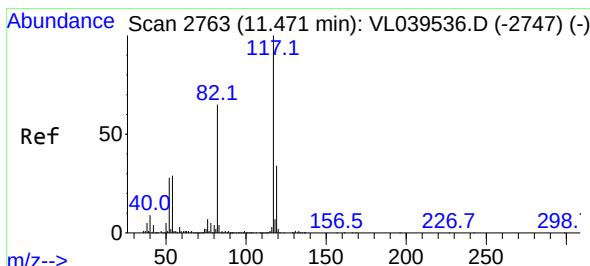
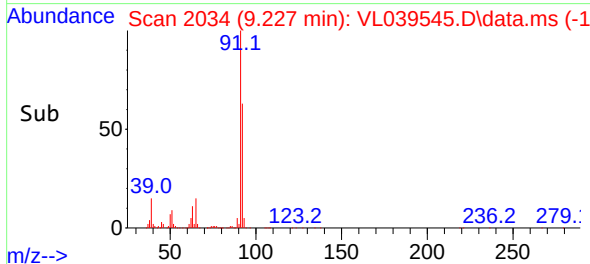
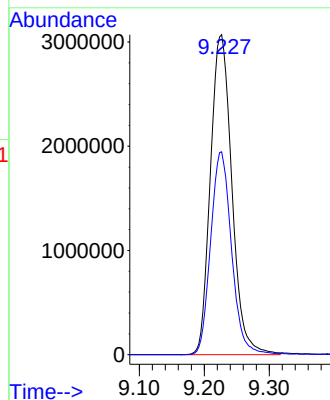
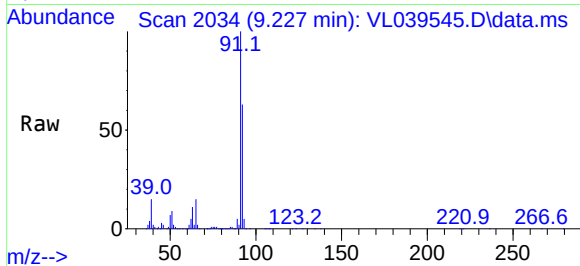




#53
Toluene
Concen: 33.234 ppbv
RT: 9.227 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

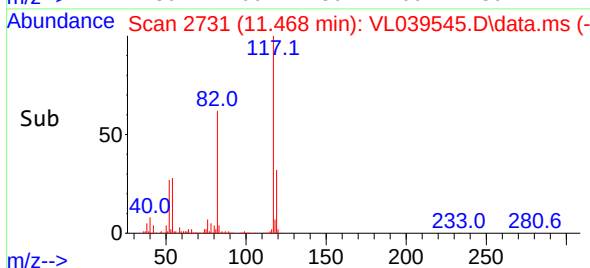
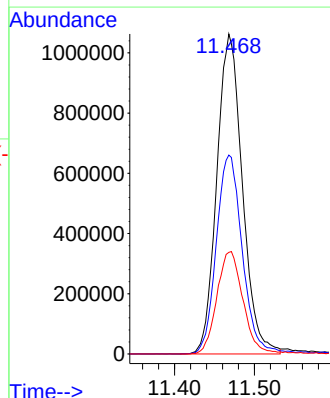
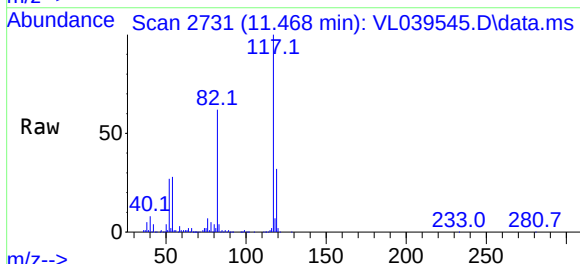
Instrument :
MSVOA_L
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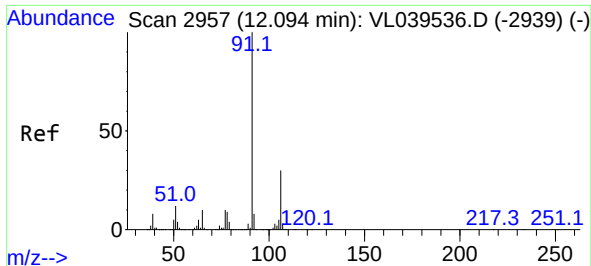
Tgt Ion: 91 Resp: 7045605
Ion Ratio Lower Upper
91 100
92 62.0 47.9 71.9



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

Tgt Ion: 117 Resp: 2358621
Ion Ratio Lower Upper
117 100
82 64.0 49.1 73.7
119 33.0 25.9 38.9

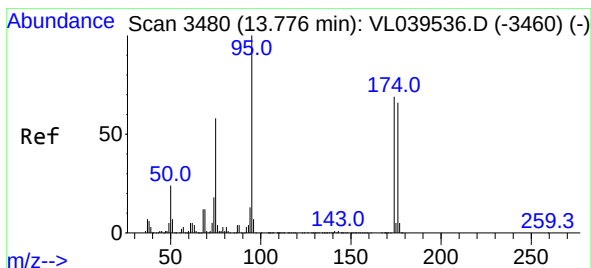
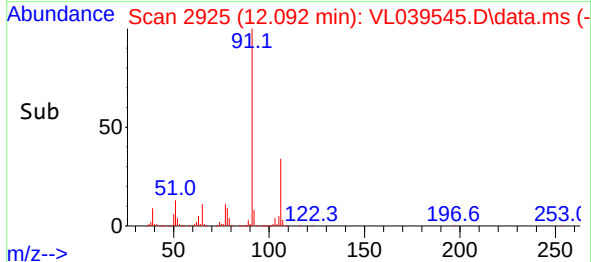
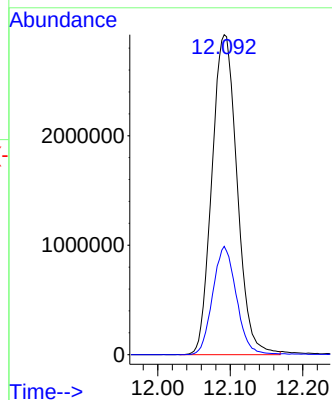
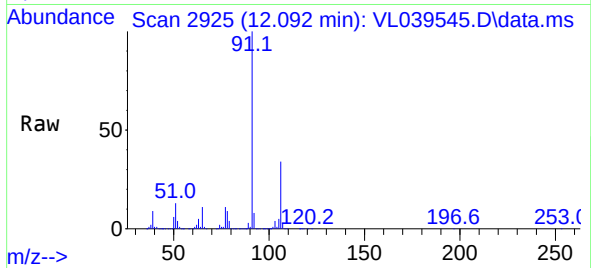




#58
Ethyl Benzene
Concen: 25.792 ppbv
RT: 12.092 min Scan# 2957
Delta R.T. -0.003 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

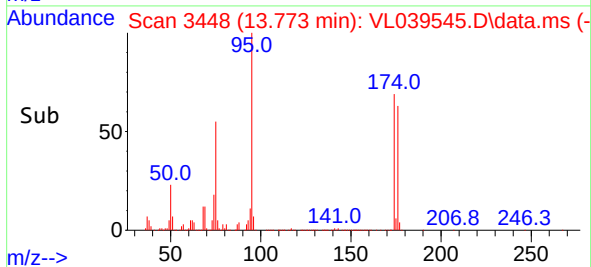
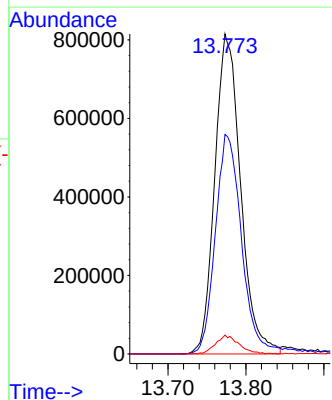
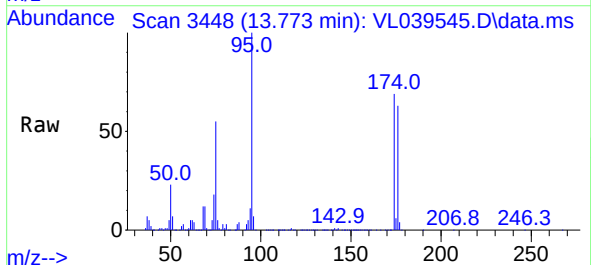
Instrument :
MSVOA_1
ClientSampleId :
E061-1100

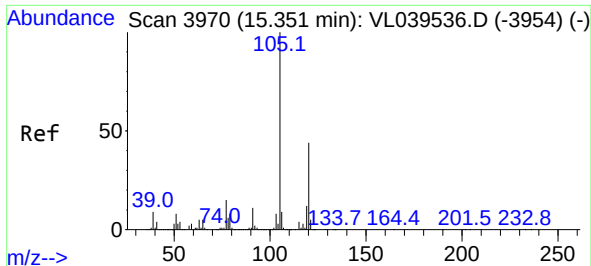
Tgt Ion: 91 Resp: 7044376
Ion Ratio Lower Upper
91 100
106 33.8 24.2 36.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.592 ppbv
RT: 13.773 min Scan# 3448
Delta R.T. -0.003 min
Lab File: VL039545.D
Acq: 17 Aug 2022 12:06

Tgt Ion: 95 Resp: 1880671
Ion Ratio Lower Upper
95 100
174 71.5 56.3 84.5
175 5.3 4.3 6.5

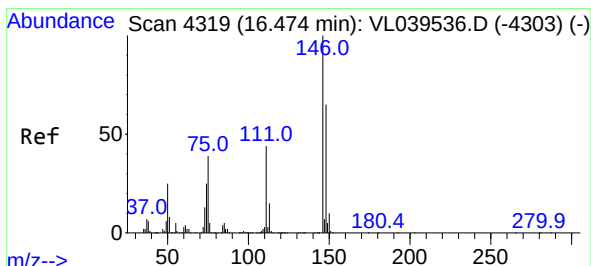
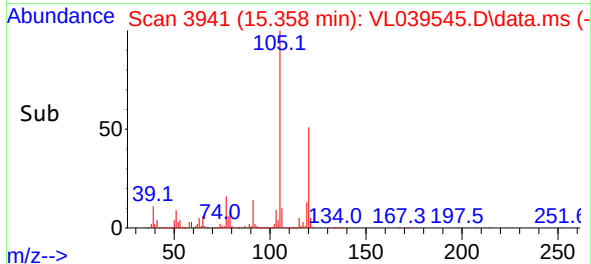
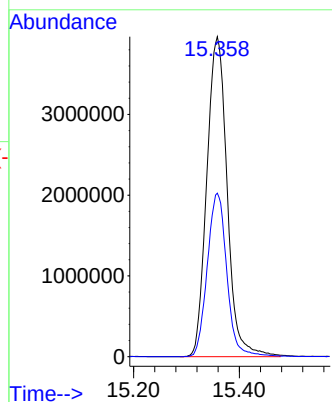
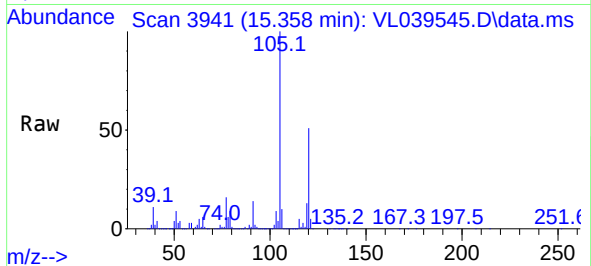




#73
 1,3,5-Trimethylbenzene
 Concen: 41.930 ppbv
 RT: 15.358 min Scan# 3970
 Delta R.T. 0.007 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

Instrument :
 MSVOA_L
 ClientSampleId :
 E061-1100

Tgt Ion:105 Resp:10592930
 Ion Ratio Lower Upper
 105 100
 120 51.1 35.4 53.2



#76
 1,4-Dichlorobenzene
 Concen: 43.802 ppbv
 RT: 16.477 min Scan# 4289
 Delta R.T. 0.004 min
 Lab File: VL039545.D
 Acq: 17 Aug 2022 12:06

Tgt Ion:146 Resp: 7506013
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.3 66.8
 148 66.3 31.5 94.5

