

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039562.D
 Acq On : 18 Aug 2022 17:01
 Operator : SY/AP
 Sample : M4526-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 03:03:23 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)

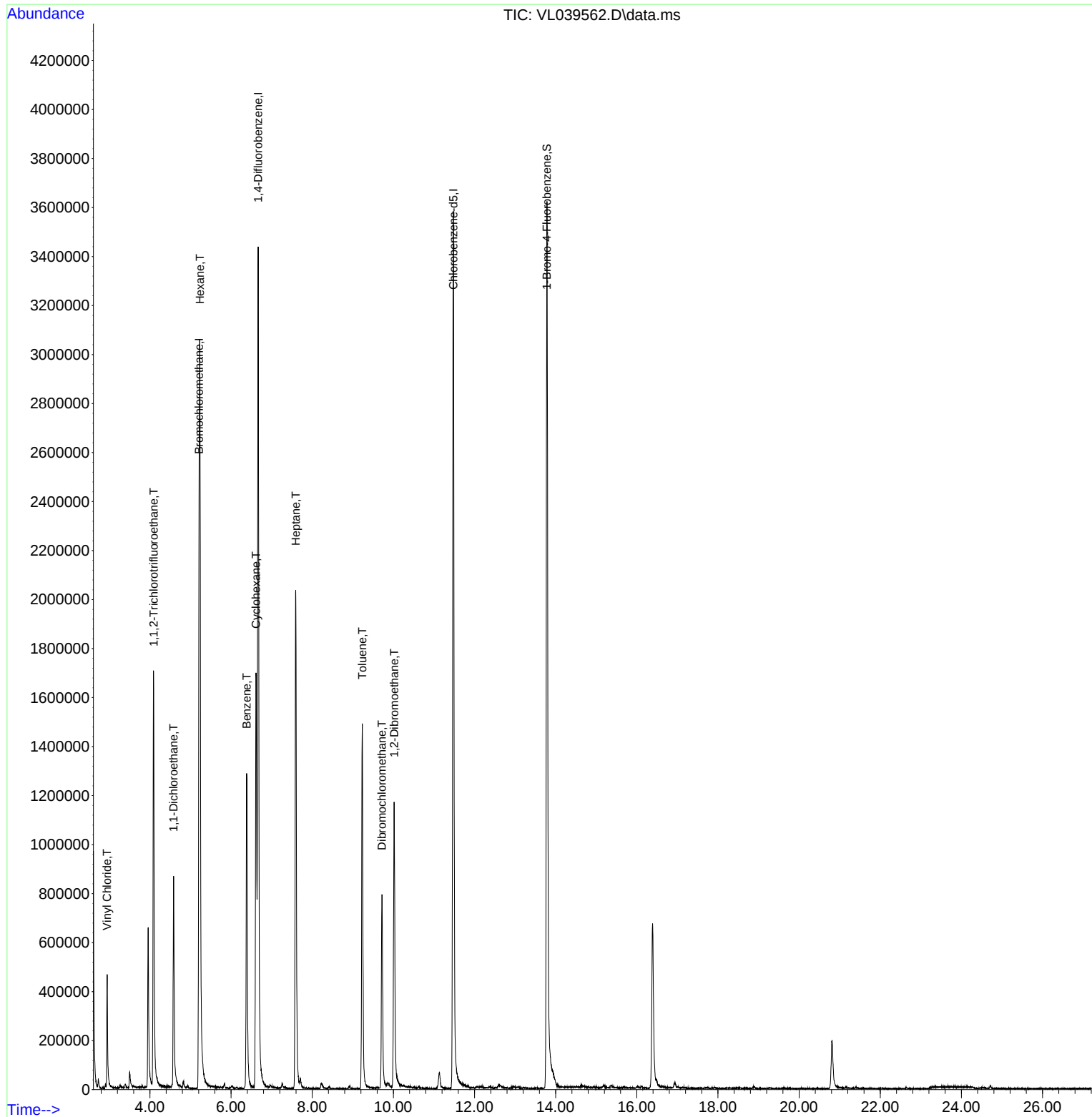
Internal Standards						
1) Bromochloromethane	5.211	49	1037368	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2682195	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2404817	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1782081	9.844	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.944	62	405155	6.320	ppbv	93
10) Heptane	7.594	43	974434	7.407	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.092	101	639899	5.656	ppbv	99
24) 1,1-Dichloroethane	4.584	63	781830	7.539	ppbv	99
26) Hexane	5.230	57	1021895	9.972	ppbv #	36
30) Cyclohexane	6.616	84	609196	7.159	ppbv #	100
36) Benzene	6.385	78	1105819	5.409	ppbv	99
48) Dibromochloromethane	9.719	129	507330	3.887	ppbv	99
53) Toluene	9.233	91	1194041	5.213	ppbv	98
54) 1,2-Dibromoethane	10.018	107	1009882	10.084	ppbv	98

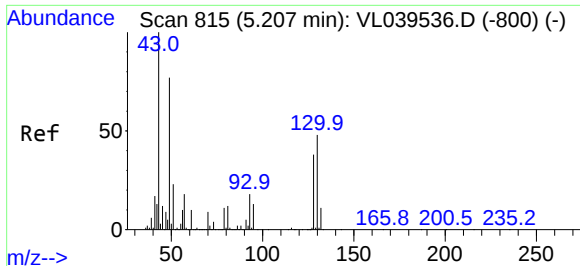
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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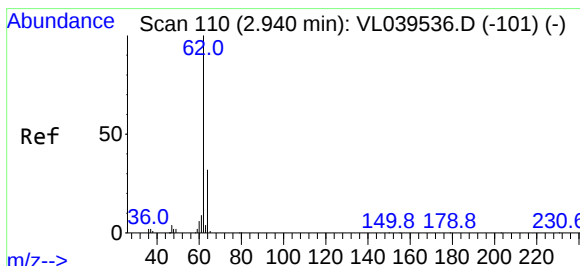
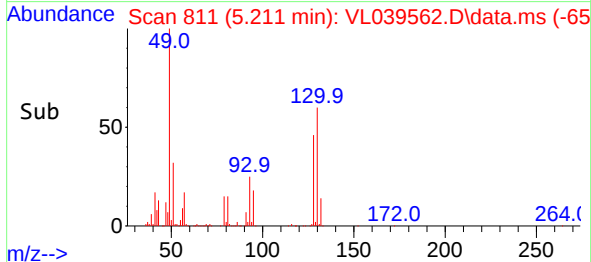
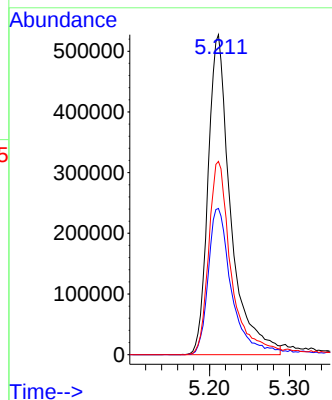
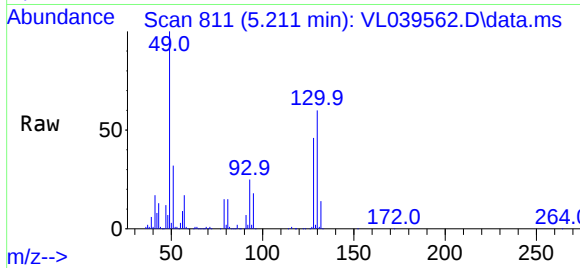


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL039562.D
 Acq: 18 Aug 2022 17:01

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 49 Resp: 1037368

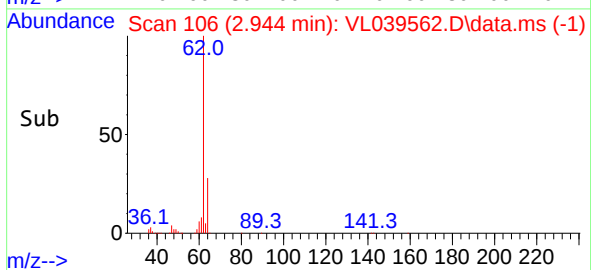
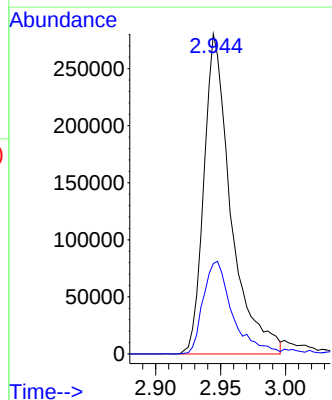
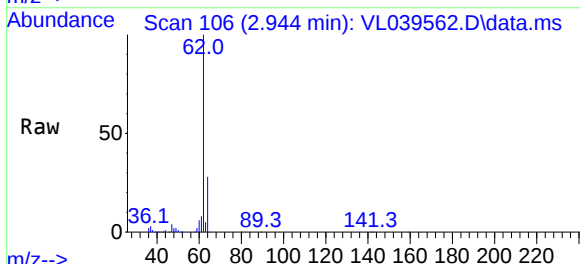
Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.7	77.0
130	62.9	31.6	95.0

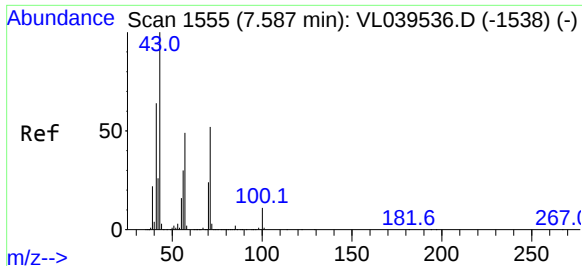


#5
 Vinyl Chloride
 Concen: 6.320 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. 0.004 min
 Lab File: VL039562.D
 Acq: 18 Aug 2022 17:01

Tgt Ion: 62 Resp: 405155

Ion	Ratio	Lower	Upper
62	100		
64	28.2	25.5	38.3

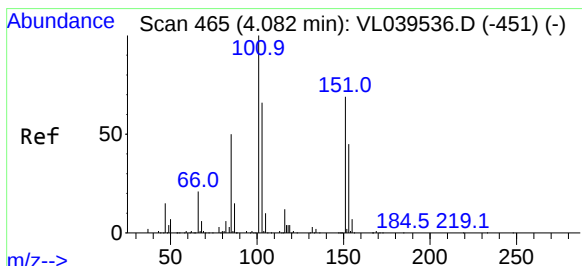
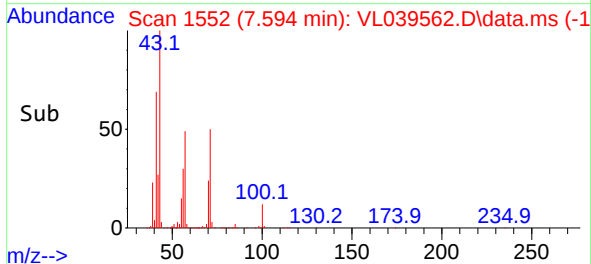
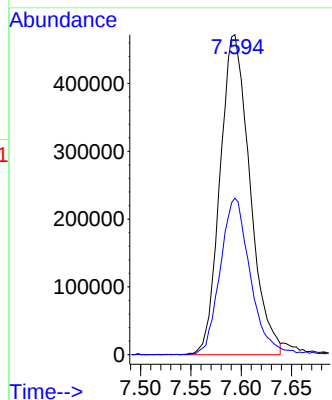
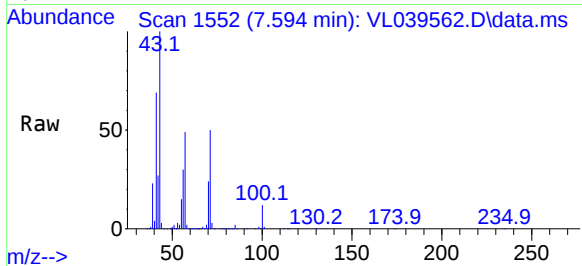




#10
Heptane
Concen: 7.407 ppbv
RT: 7.594 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

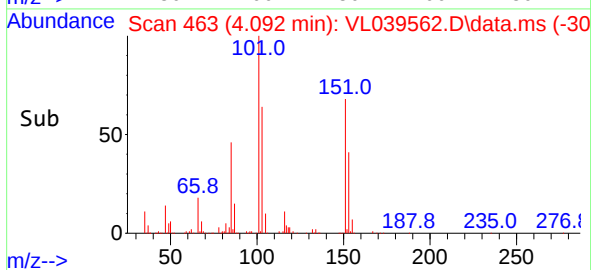
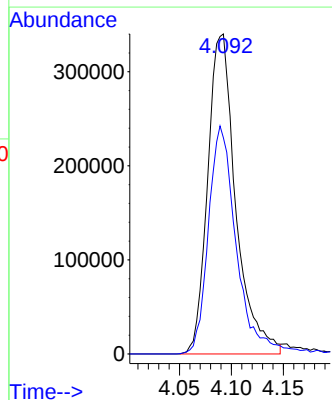
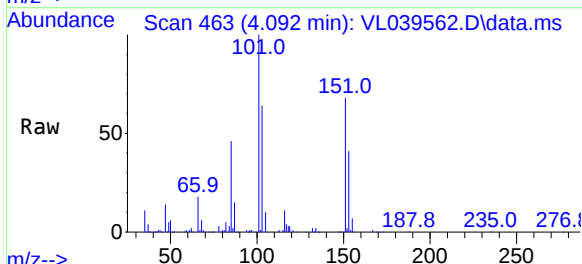
Instrument :
MSVOA_L
ClientSampleId :

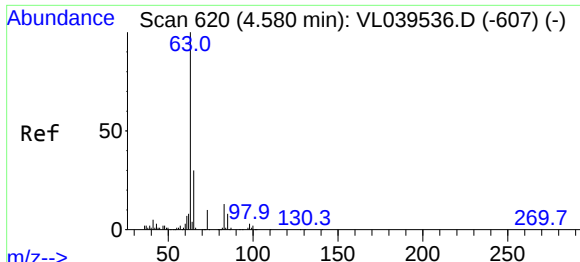
Tgt Ion: 43 Resp: 974434
Ion Ratio Lower Upper
43 100
57 49.9 39.8 59.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 5.656 ppbv
RT: 4.092 min Scan# 463
Delta R.T. 0.010 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Tgt Ion:101 Resp: 639899
Ion Ratio Lower Upper
101 100
151 72.1 58.6 87.8

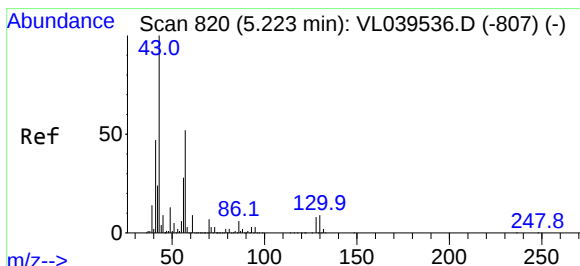
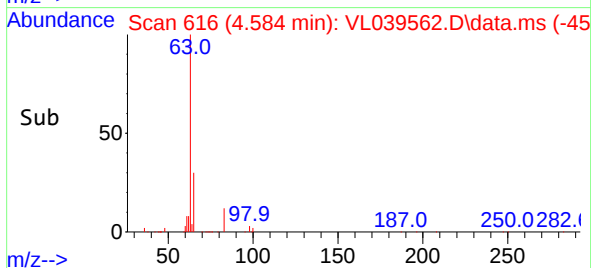
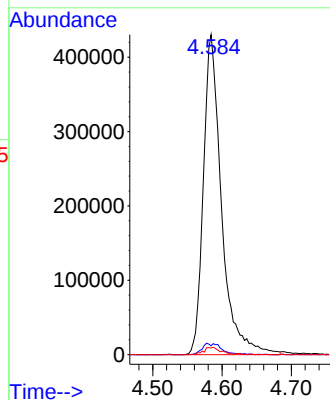
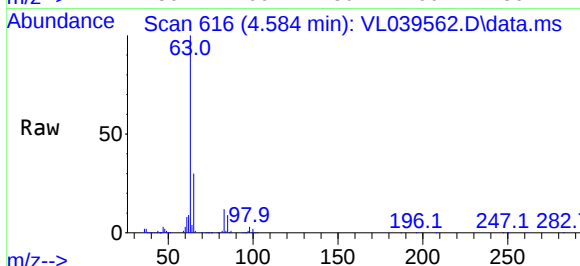




#24
1,1-Dichloroethane
Concen: 7.539 ppbv
RT: 4.584 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

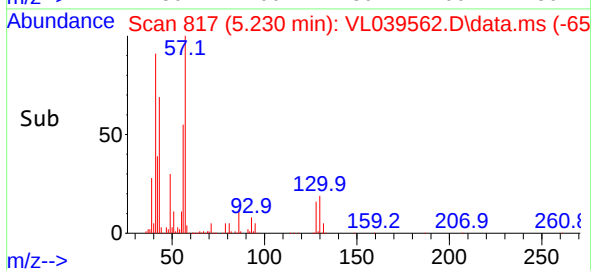
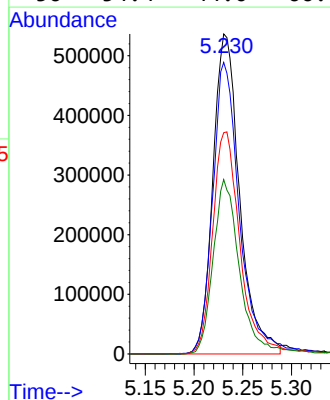
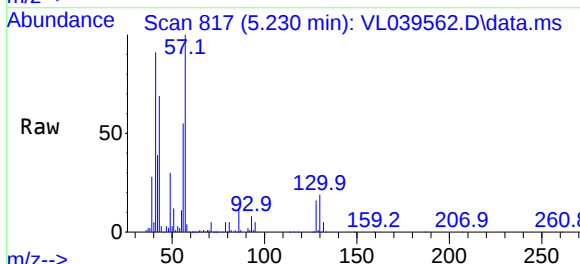
Instrument :
MSVOA_L
ClientSampleId :

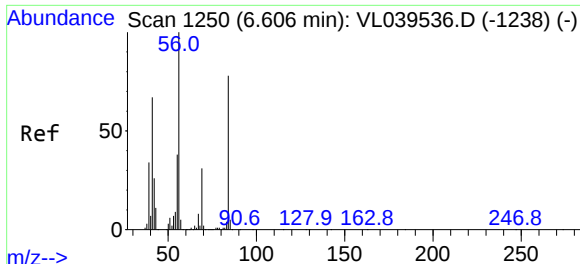
Tgt Ion: 63 Resp: 781830
Ion Ratio Lower Upper
63 100
98 2.8 1.7 5.0
100 2.1 1.1 3.3



#26
Hexane
Concen: 9.972 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Tgt Ion: 57 Resp: 1021895
Ion Ratio Lower Upper
57 100
41 93.1 79.4 119.2
43 72.4 199.7 299.5#
56 54.4 44.0 66.0





#30

Cyclohexane

Concen: 7.159 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.010 min

Lab File: VL039562.D

Acq: 18 Aug 2022 17:01

Instrument :

MSVOA_L

ClientSampleId :

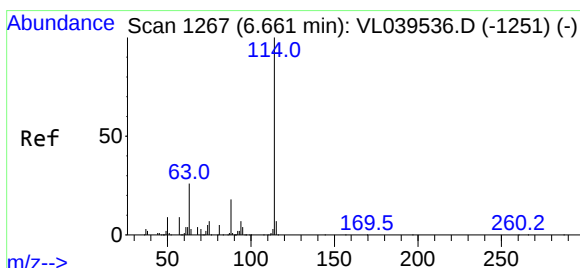
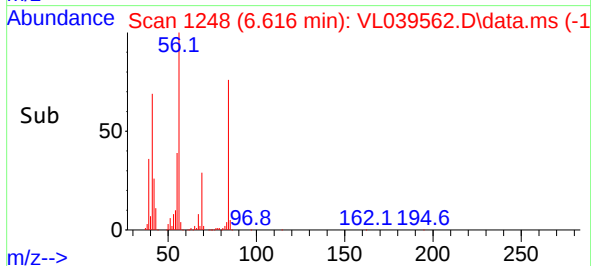
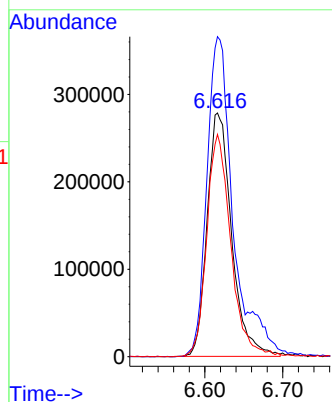
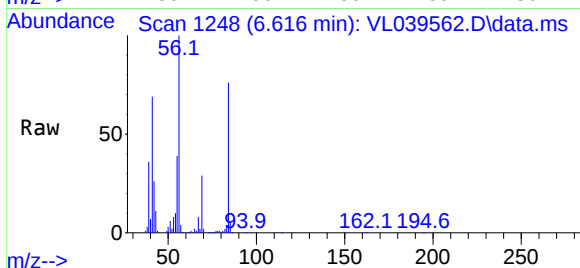
Tgt Ion: 84 Resp: 609196

Ion Ratio Lower Upper

84 100

56 142.5 0.0 0.0#

41 90.0 0.0 0.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. 0.007 min

Lab File: VL039562.D

Acq: 18 Aug 2022 17:01

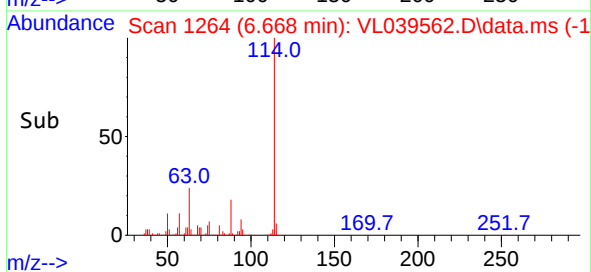
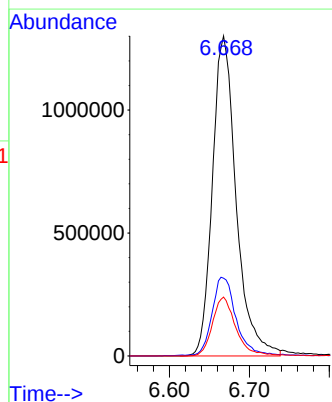
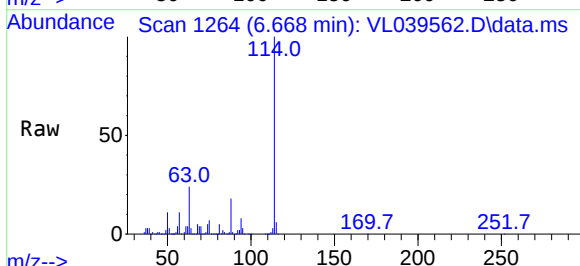
Tgt Ion: 114 Resp: 2682195

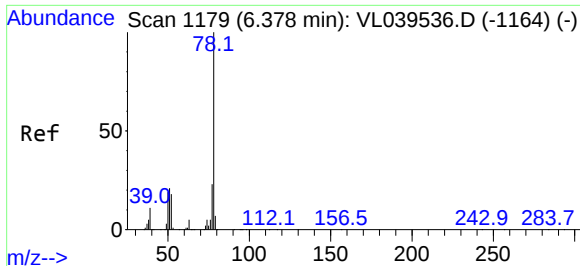
Ion Ratio Lower Upper

114 100

63 25.6 20.6 31.0

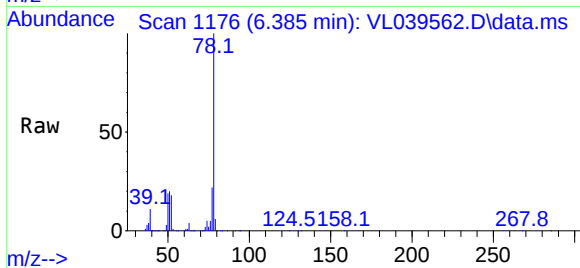
88 18.4 14.6 22.0





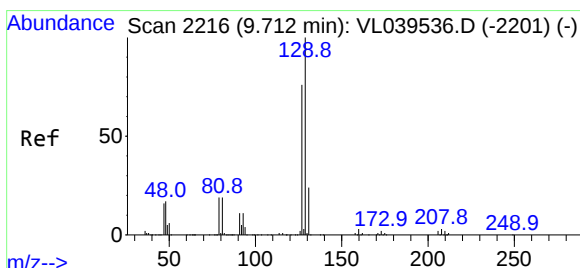
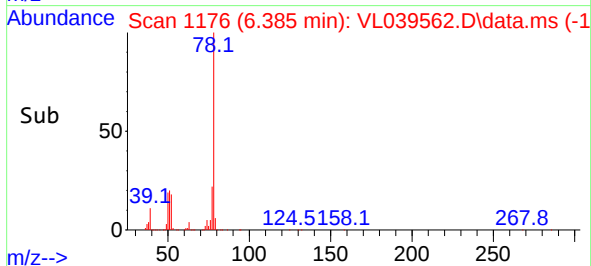
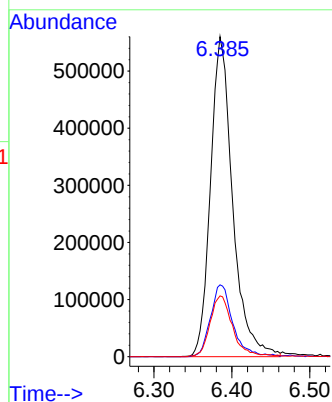
#36
Benzene
Concen: 5.409 ppbv
RT: 6.385 min Scan# 1179
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 78 Resp: 1105819

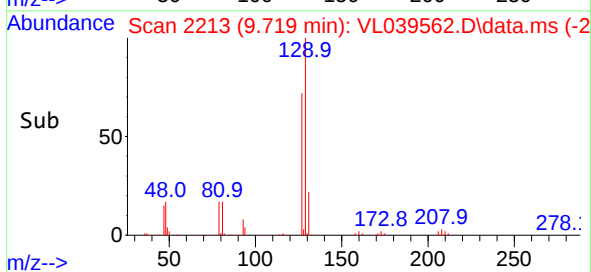
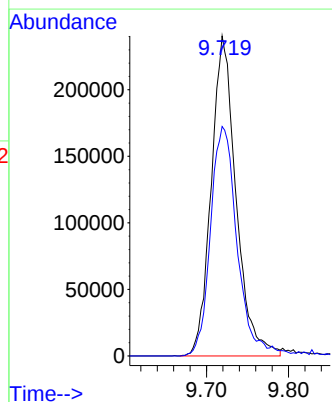
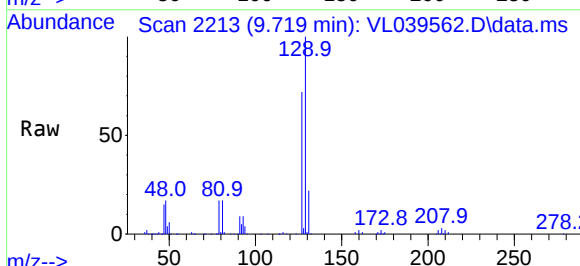
Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.6	27.8
50	19.0	15.0	22.4

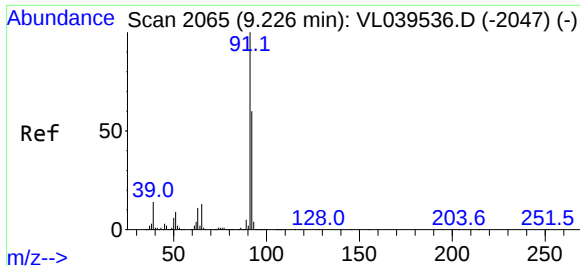


#48
Dibromochloromethane
Concen: 3.887 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Tgt Ion: 129 Resp: 507330

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.3

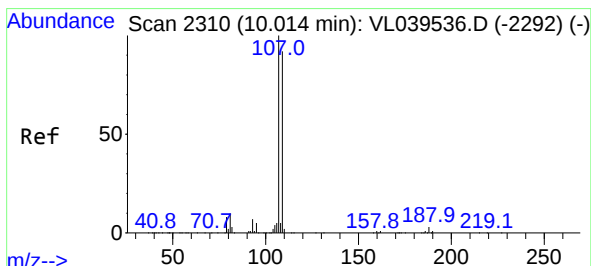
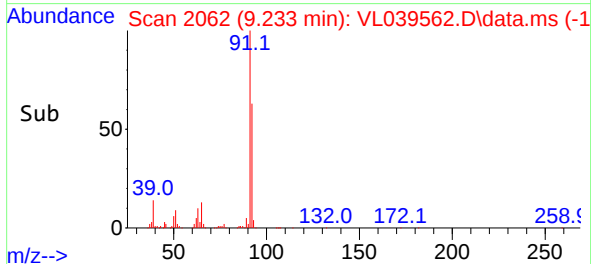
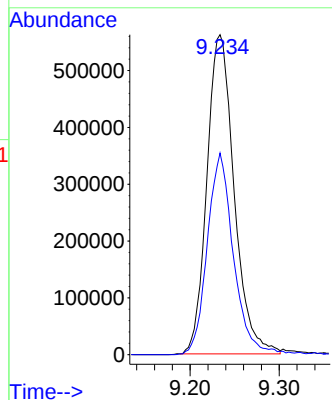
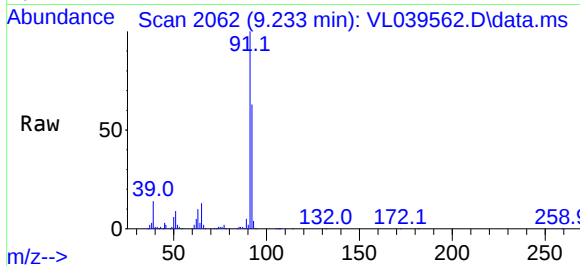




#53
Toluene
Concen: 5.213 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

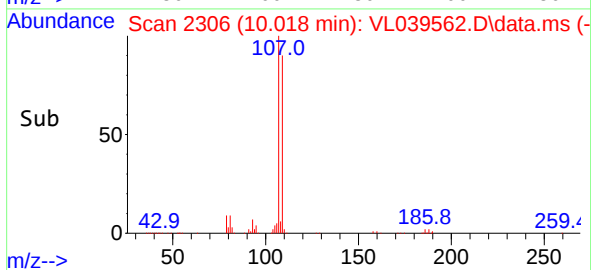
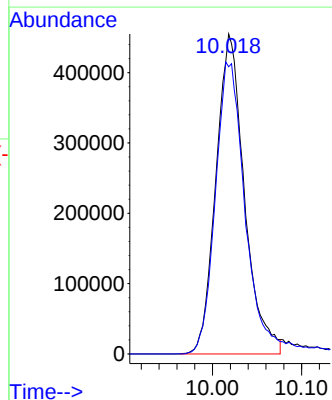
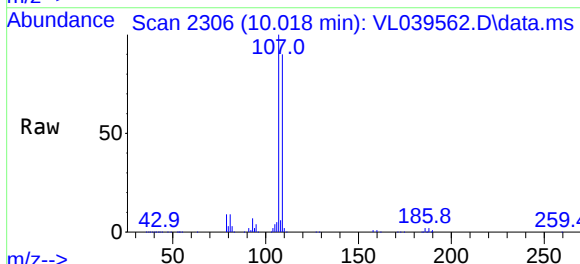
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MSVOA_L
ClientSampleId :

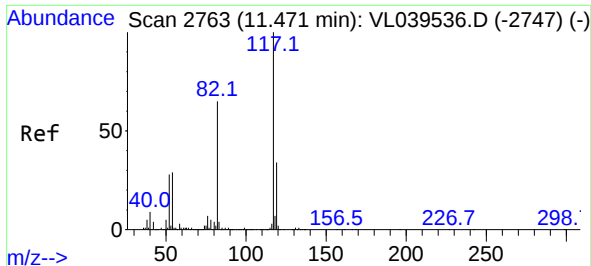
Tgt Ion: 91 Resp: 1194041
Ion Ratio Lower Upper
91 100
92 61.4 47.9 71.9



#54
1,2-Dibromoethane
Concen: 10.084 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.004 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Tgt Ion: 107 Resp: 1009882
Ion Ratio Lower Upper
107 100
109 89.7 73.4 110.2

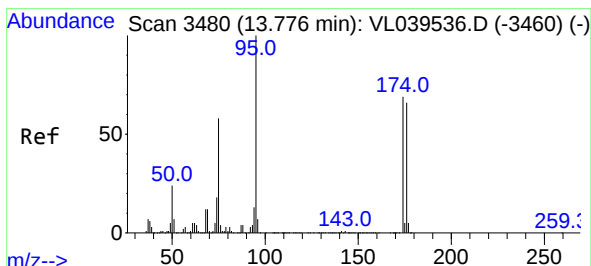
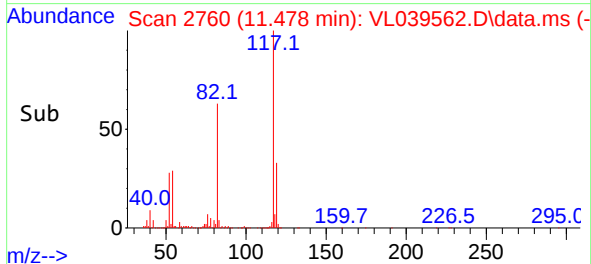
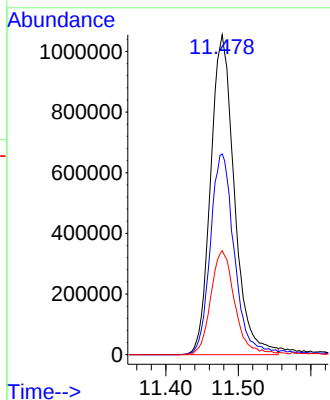
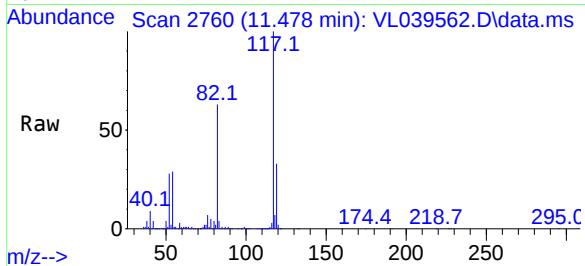




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 117 Resp: 2404817
Ion Ratio Lower Upper
117 100
82 65.1 49.1 73.7
119 33.7 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.844 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.010 min
Lab File: VL039562.D
Acq: 18 Aug 2022 17:01

Tgt Ion: 95 Resp: 1782081
Ion Ratio Lower Upper
95 100
174 75.0 56.3 84.5
175 5.4 4.3 6.5

