

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039561.D
 Acq On : 18 Aug 2022 16:21
 Operator : SY/AP
 Sample : M4526-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 03:02:49 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)

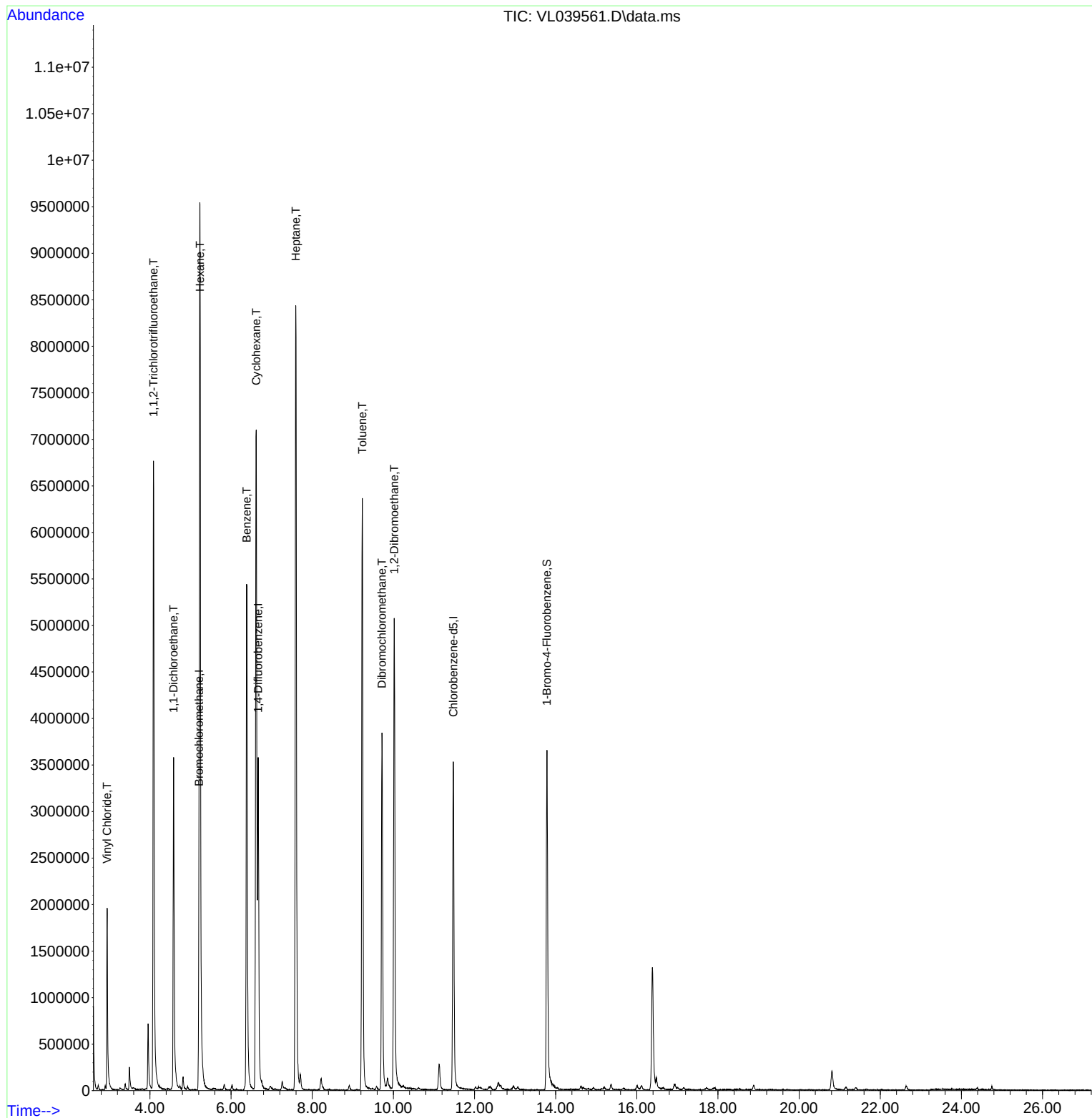
Internal Standards						
1) Bromochloromethane	5.208	49	997621	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2612454	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2379521	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1831826	10.226	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.944	62	1764297	28.618	ppbv	96
10) Heptane	7.594	43	4356513	34.434	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.089	101	2667940	24.520	ppbv	97
24) 1,1-Dichloroethane	4.584	63	3301287	33.103	ppbv	98
26) Hexane	5.234	57	4174392	42.358	ppbv #	34
30) Cyclohexane	6.619	84	2659202	32.496	ppbv #	100
36) Benzene	6.388	78	4767969	23.947	ppbv	97
48) Dibromochloromethane	9.719	129	2439027	19.184	ppbv	98
53) Toluene	9.233	91	5403192	24.221	ppbv	98
54) 1,2-Dibromoethane	10.021	107	4530225	46.442	ppbv	98

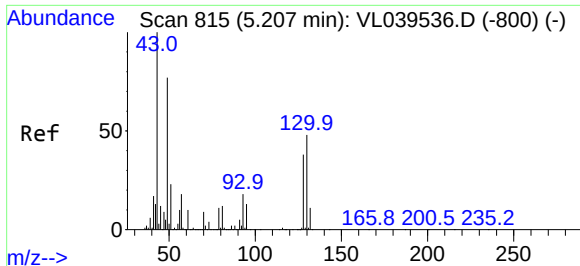
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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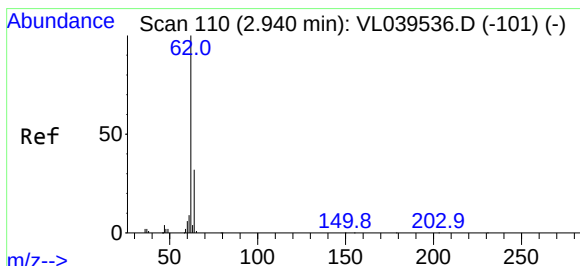
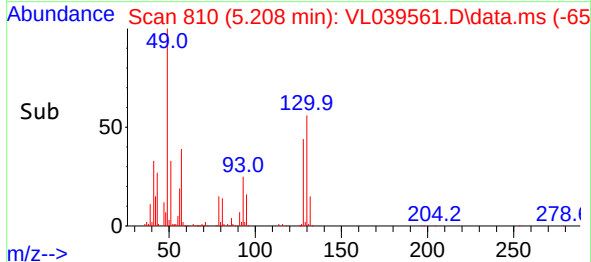
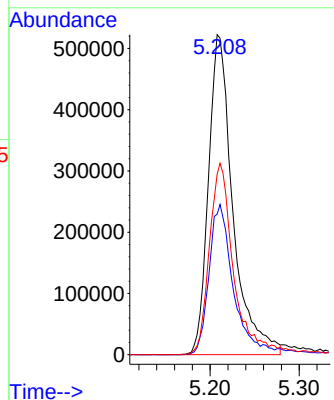
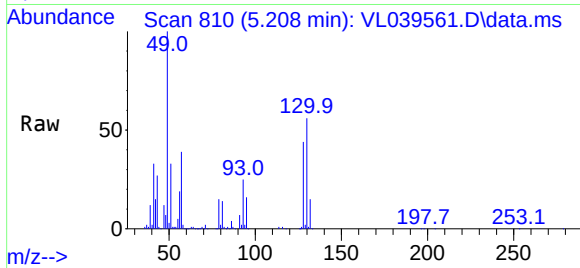




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

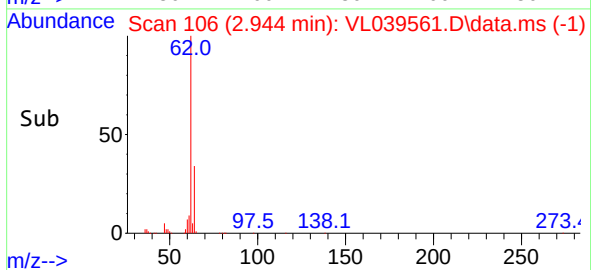
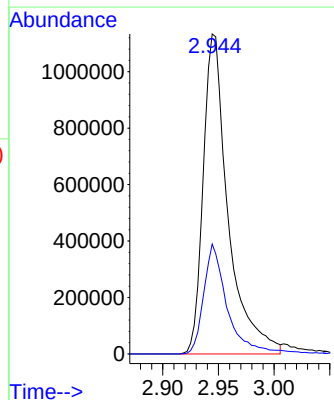
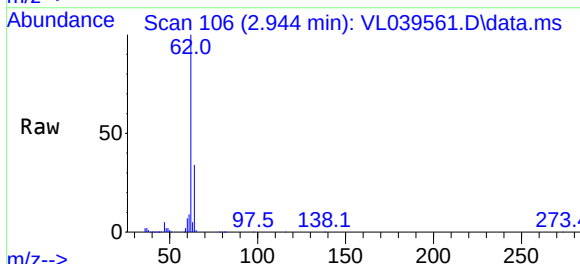
Instrument :
MSVOA_L
ClientSampleId :

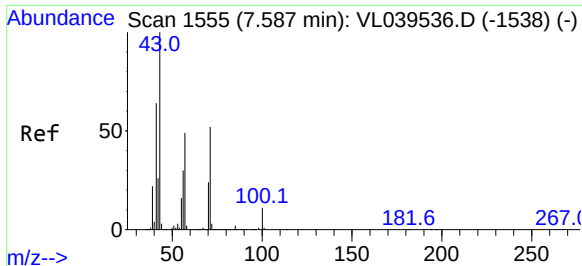
Tgt Ion: 49 Resp: 997621
Ion Ratio Lower Upper
49 100
128 49.1 25.7 77.0
130 61.2 31.6 95.0



#5
Vinyl Chloride
Concen: 28.618 ppbv
RT: 2.944 min Scan# 106
Delta R.T. 0.004 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion: 62 Resp: 1764297
Ion Ratio Lower Upper
62 100
64 34.3 25.5 38.3

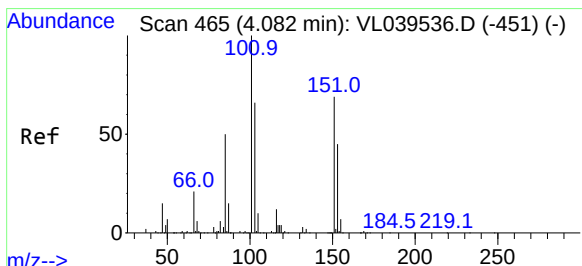
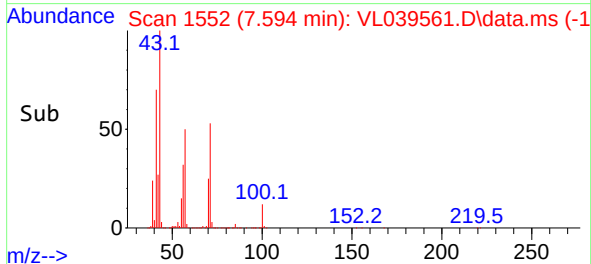
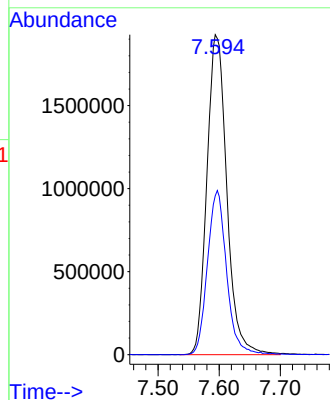
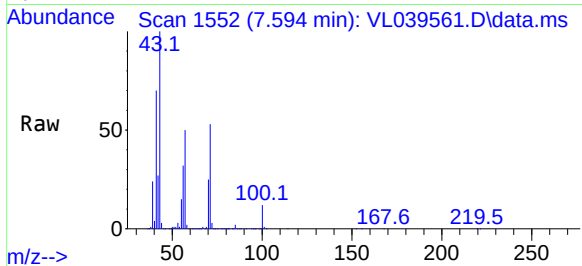




#10
Heptane
Concen: 34.434 ppbv
RT: 7.594 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

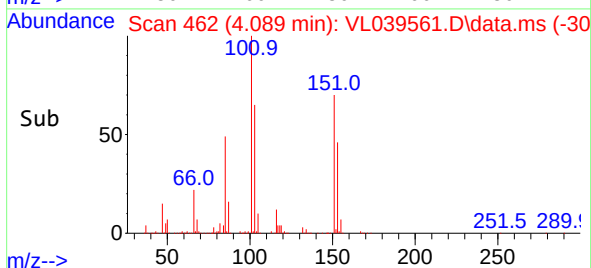
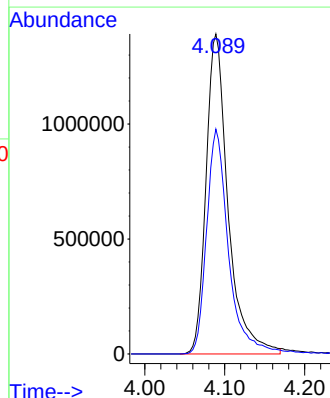
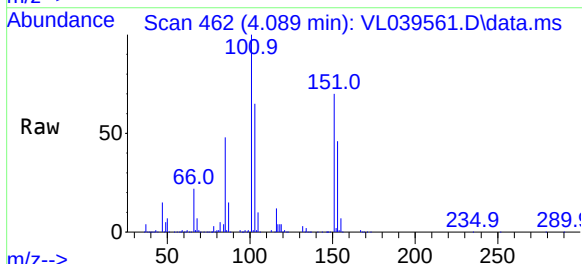
Instrument :
MSVOA_L
ClientSampleId :

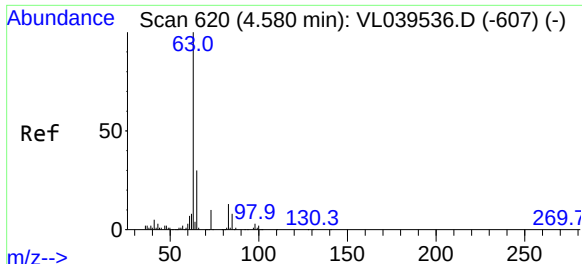
Tgt Ion: 43 Resp: 4356513
Ion Ratio Lower Upper
43 100
57 49.6 39.8 59.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 24.520 ppbv
RT: 4.089 min Scan# 462
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion:101 Resp: 2667940
Ion Ratio Lower Upper
101 100
151 70.7 58.6 87.8

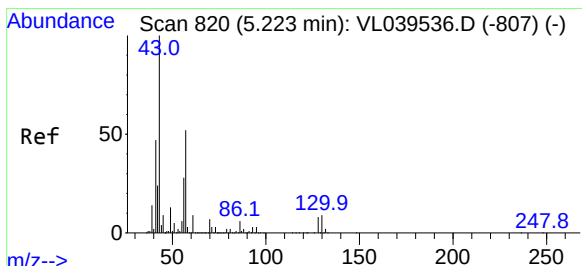
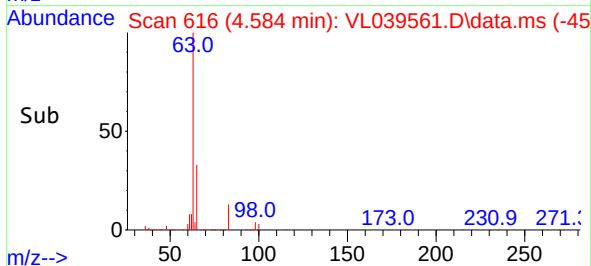
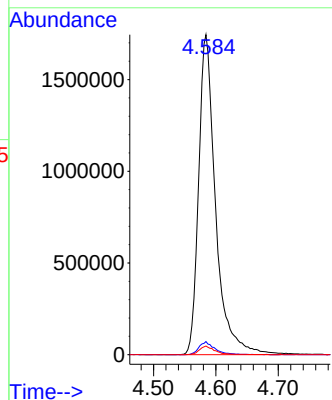
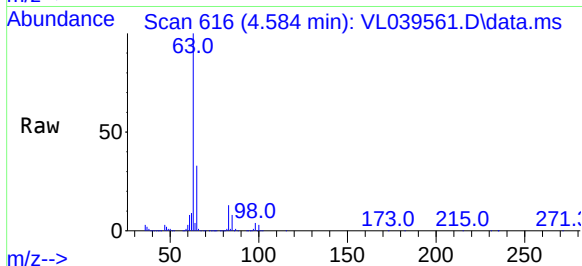




#24
1,1-Dichloroethane
Concen: 33.103 ppbv
RT: 4.584 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

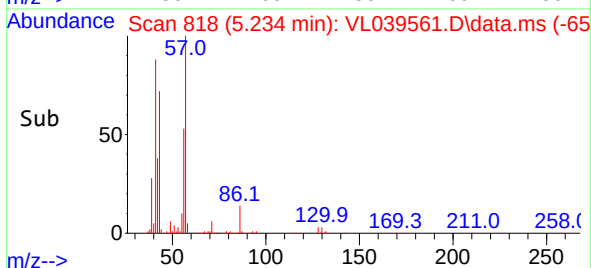
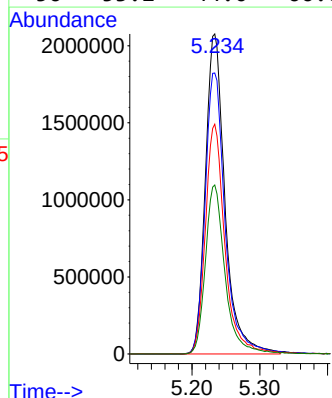
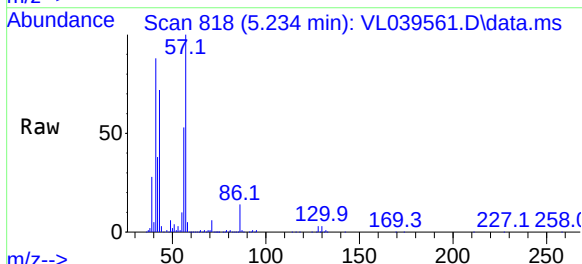
Instrument :
MSVOA_L
ClientSampleId :

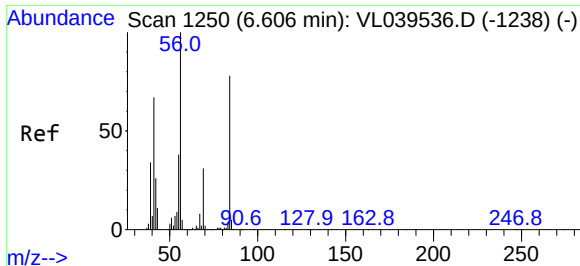
Tgt Ion: 63 Resp: 3301287
Ion Ratio Lower Upper
63 100
98 4.1 1.7 5.0
100 2.7 1.1 3.3



#26
Hexane
Concen: 42.358 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.010 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

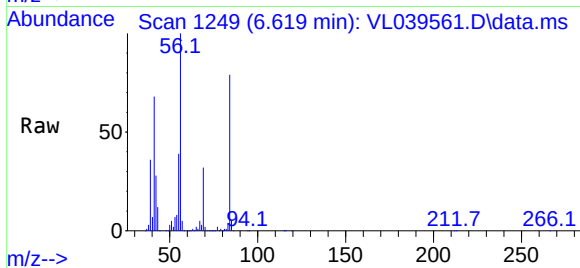
Tgt Ion: 57 Resp: 4174392
Ion Ratio Lower Upper
57 100
41 90.4 79.4 119.2
43 71.7 199.7 299.5#
56 53.2 44.0 66.0





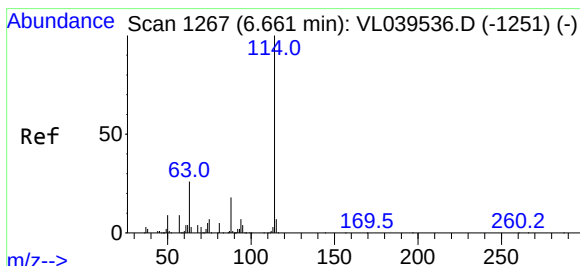
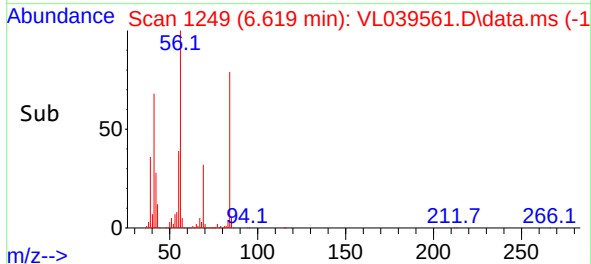
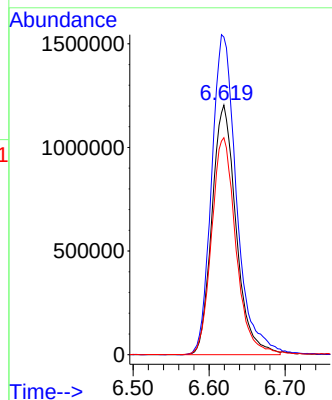
#30
Cyclohexane
Concen: 32.496 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. 0.014 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 2659202

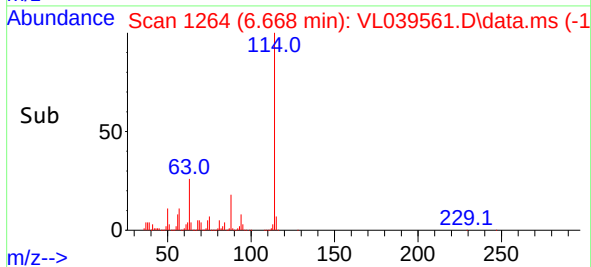
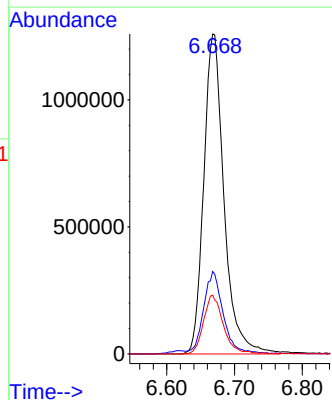
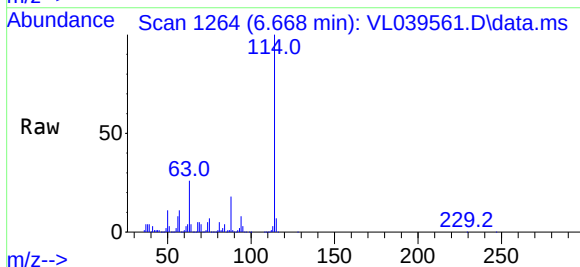
Ion	Ratio	Lower	Upper
84	100		
56	133.1	0.0	0.0#
41	87.8	0.0	0.0#

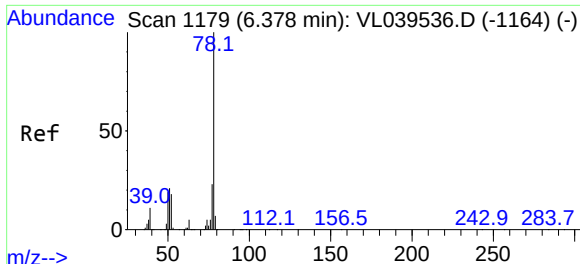


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion: 114 Resp: 2612454

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.6	31.0
88	18.2	14.6	22.0

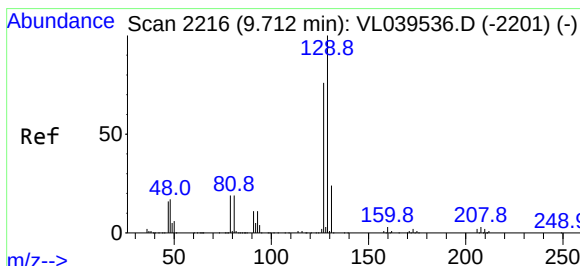
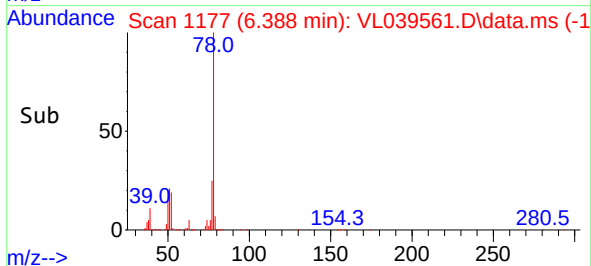
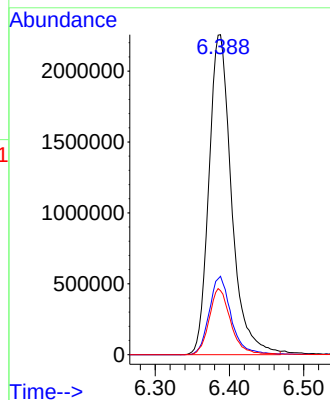
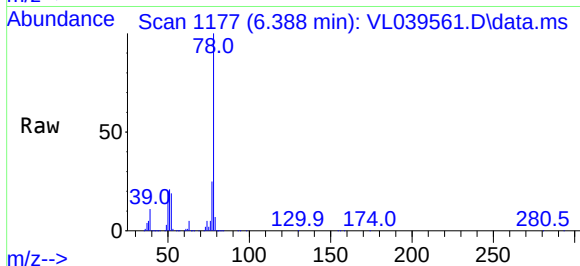




#36
Benzene
Concen: 23.947 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.010 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

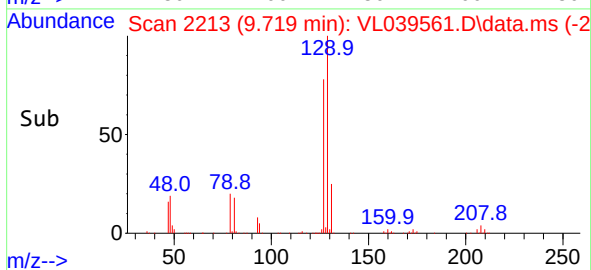
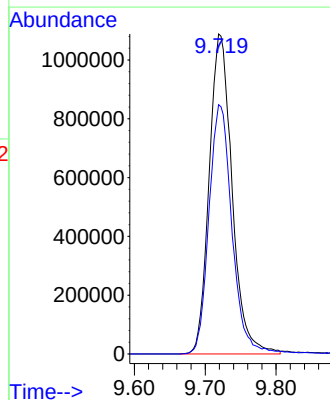
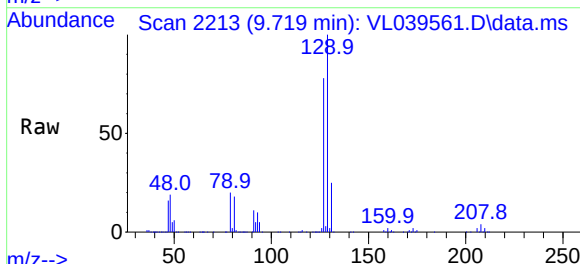
Instrument :
MSVOA_L
ClientSampleId :

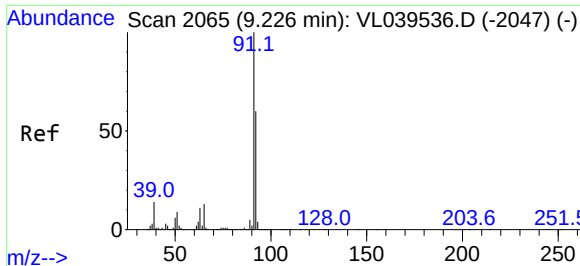
Tgt Ion: 78 Resp: 4767969
Ion Ratio Lower Upper
78 100
77 24.5 18.6 27.8
50 20.0 15.0 22.4



#48
Dibromochloromethane
Concen: 19.184 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion: 129 Resp: 2439027
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.3

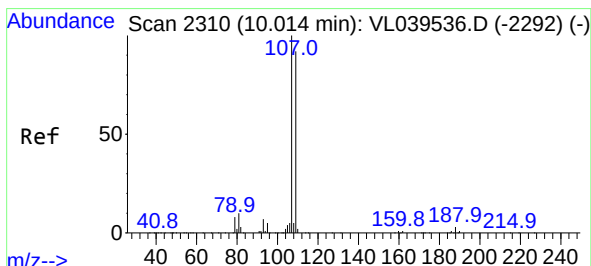
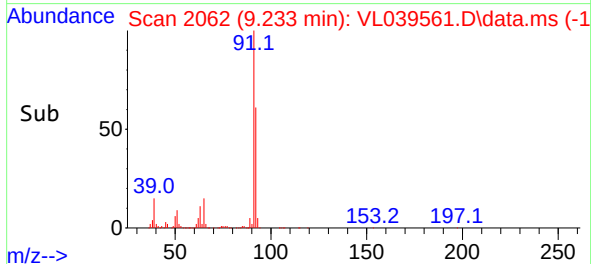
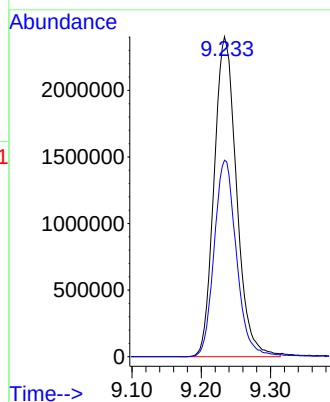
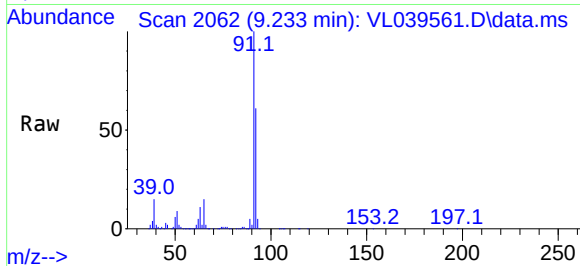




#53
Toluene
Concen: 24.221 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

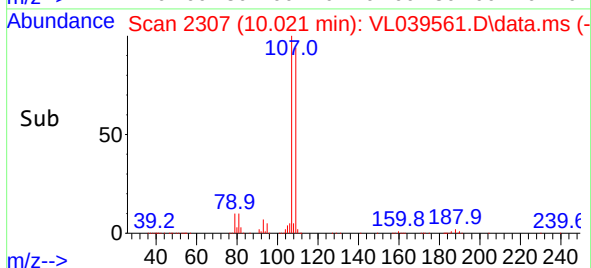
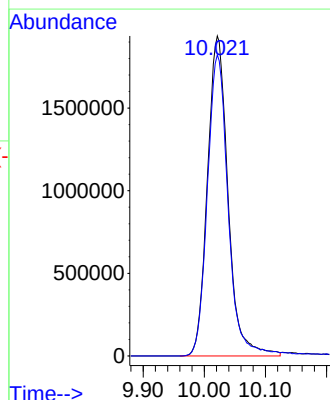
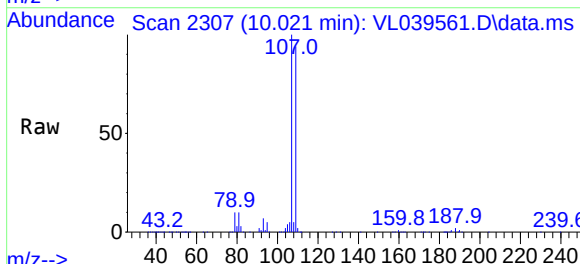
Instrument :
MSVOA_L
ClientSampleId :

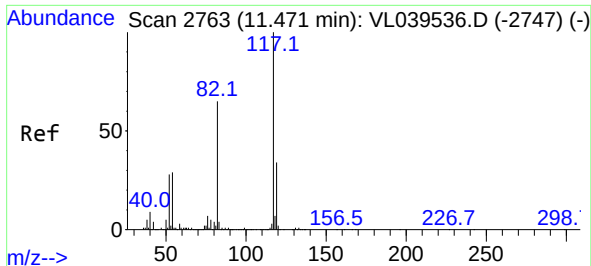
Tgt Ion: 91 Resp: 5403192
Ion Ratio Lower Upper
91 100
92 61.6 47.9 71.9



#54
1,2-Dibromoethane
Concen: 46.442 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion: 107 Resp: 4530225
Ion Ratio Lower Upper
107 100
109 94.1 73.4 110.2



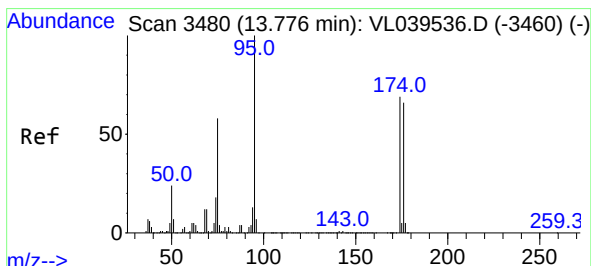
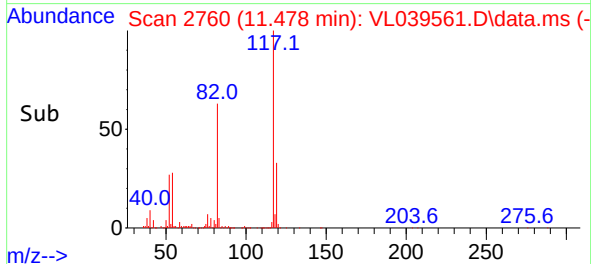
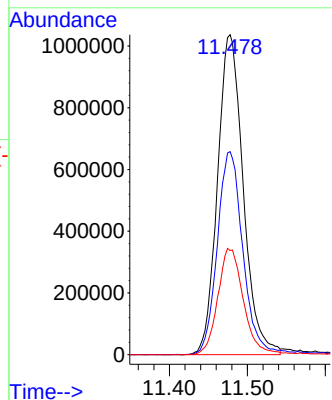
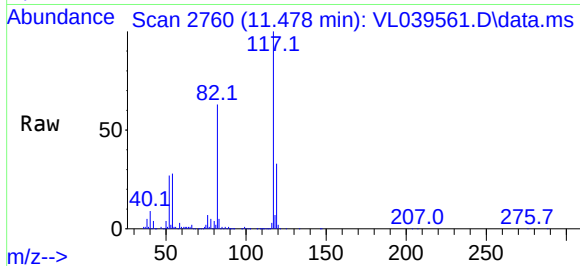


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2379521

Ion	Ratio	Lower	Upper
117	100		
82	64.8	49.1	73.7
119	33.5	25.9	38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.226 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.010 min
Lab File: VL039561.D
Acq: 18 Aug 2022 16:21

Tgt Ion: 95 Resp: 1831826

Ion	Ratio	Lower	Upper
95	100		
174	71.1	56.3	84.5
175	5.3	4.3	6.5

