

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040594.D
 Acq On : 7 Aug 2023 11:55
 Operator : SY/MD
 Sample : 03861-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100

Quant Time: Aug 08 01:40:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

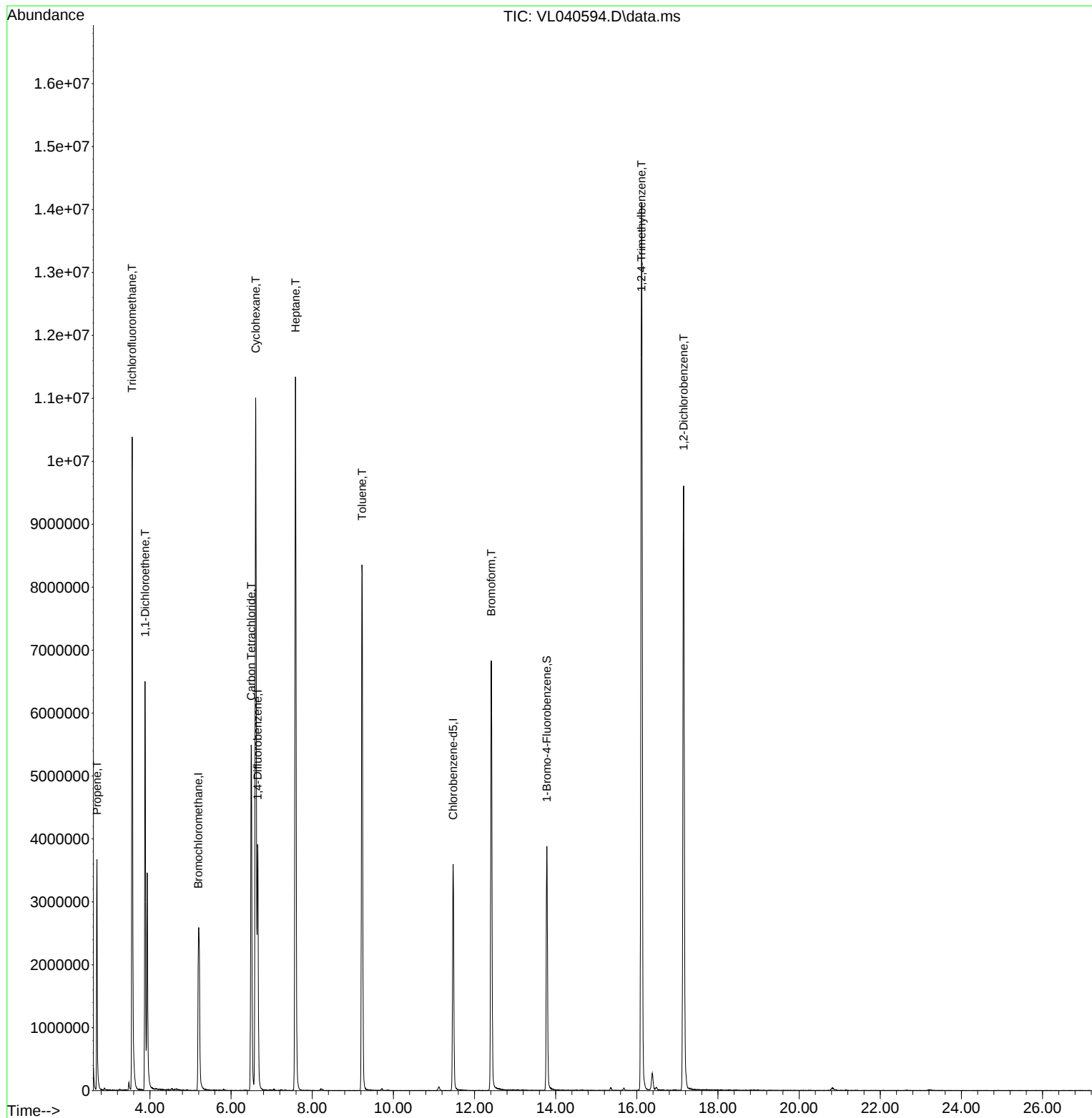
Internal Standards							
1) Bromochloromethane		5.195	49	1030053	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.655	114	2582592	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.474	117	2163141	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.783	95	1773824	10.361	ppbv	0.00
Spiked Amount 10.000		Range	65 - 135	Recovery	= 103.600%		
Target Compounds							
							Qvalue
9) Propene		2.693	41	1420145	25.408	ppbv	99
10) Heptane		7.587	43	5150477	41.731	ppbv	99
11) Trichlorofluoromethane		3.562	101	7087195	42.629	ppbv	95
18) 1,1-Dichloroethene		3.880	96	1942197	36.082	ppbv	95
30) Cyclohexane		6.606	84	4084298	46.807	ppbv	94
35) Carbon Tetrachloride		6.497	117	3380265	21.749	ppbv	100
49) Bromoform		12.413	173	3596483	33.244	ppbv	99
53) Toluene		9.227	91	6617771	29.319	ppbv	99
74) 1,2,4-Trimethylbenzene		16.117	105	10894418	39.181	ppbv #	72
77) 1,2-Dichlorobenzene		17.156	146	4917562	30.506	ppbv	98

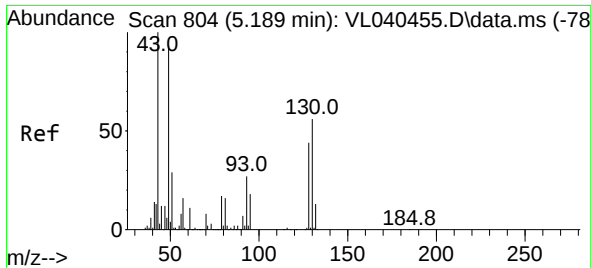
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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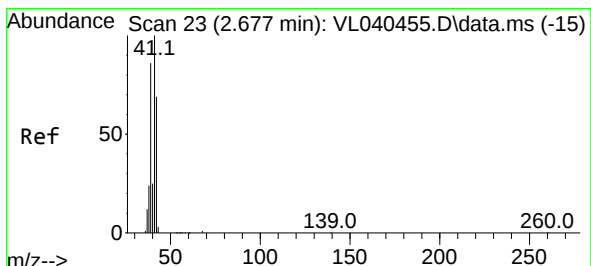
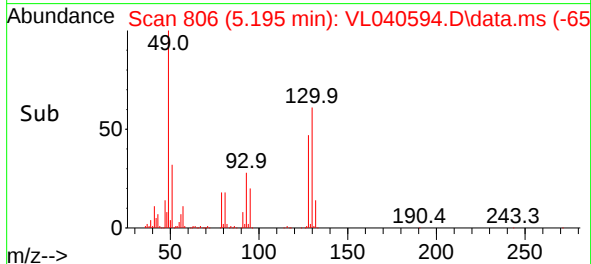
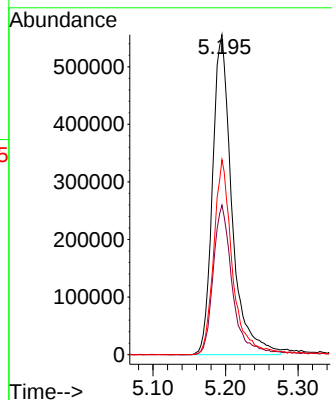
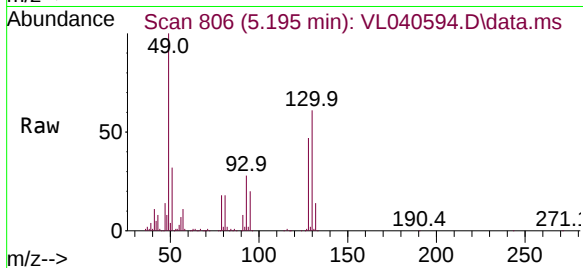




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

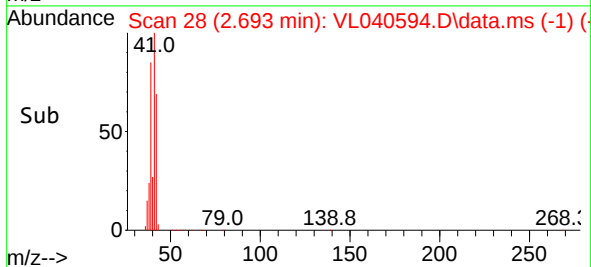
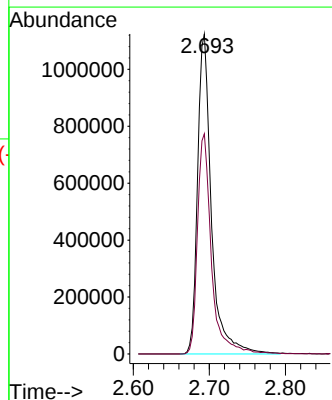
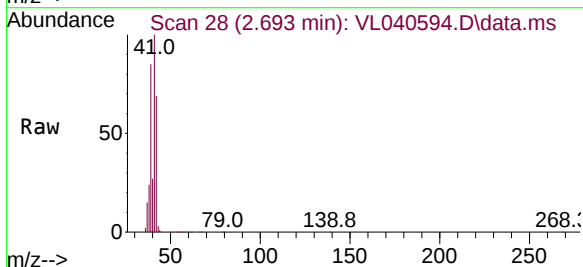
Instrument :
MSVOA_L
ClientSampleId :
E065-1100

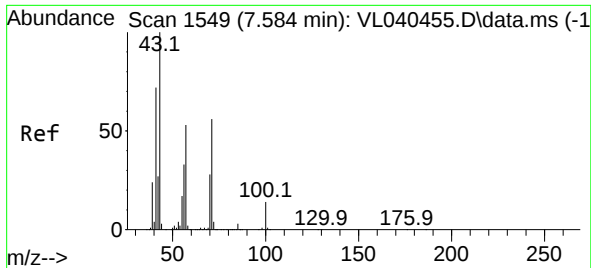
Tgt Ion: 49 Resp: 1030053
Ion Ratio Lower Upper
49 100
128 47.2 25.1 75.4
130 59.8 31.6 94.7



#9
Propene
Concen: 25.408 ppbv
RT: 2.693 min Scan# 28
Delta R.T. -0.010 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

Tgt Ion: 41 Resp: 1420145
Ion Ratio Lower Upper
41 100
42 69.3 55.0 82.6

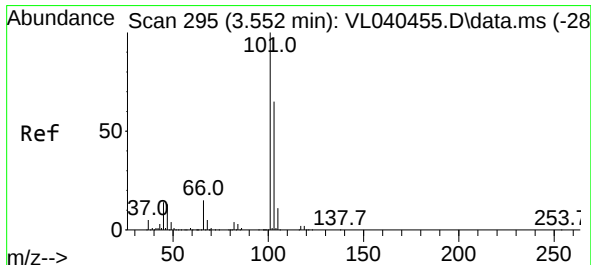
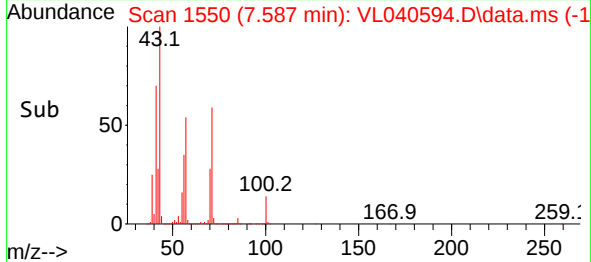
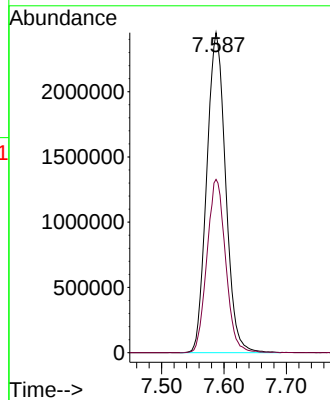
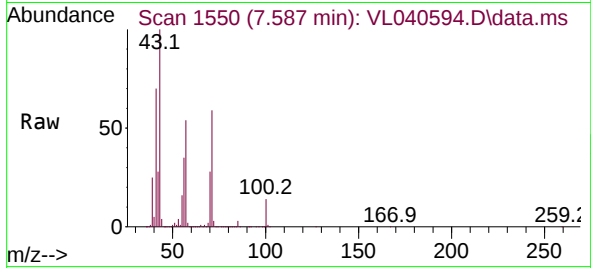




#10
Heptane
Concen: 41.731 ppbv
RT: 7.587 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

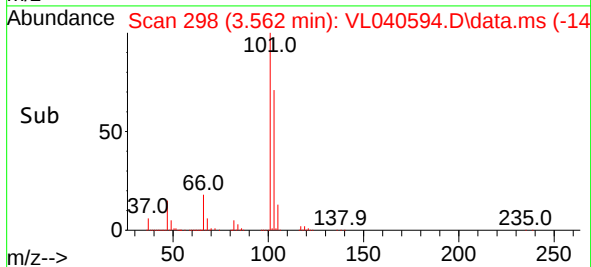
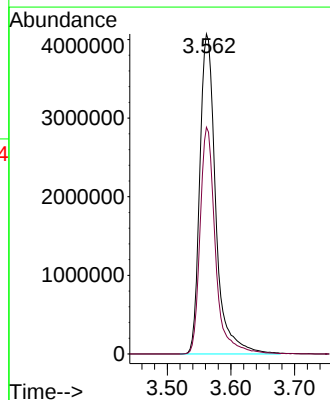
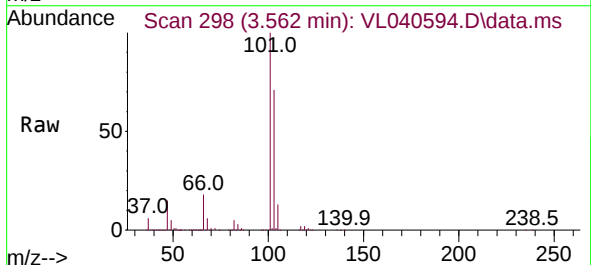
Instrument :
MSVOA_L
ClientSampleId :
E065-1100

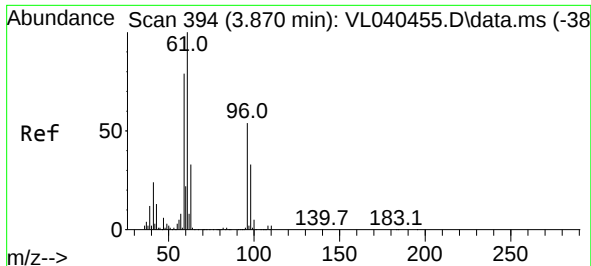
Tgt Ion: 43 Resp: 5150477
Ion Ratio Lower Upper
43 100
57 53.7 42.5 63.7



#11
Trichlorofluoromethane
Concen: 42.629 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.010 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

Tgt Ion:101 Resp: 7087195
Ion Ratio Lower Upper
101 100
103 70.9 53.4 80.0





#18

1,1-Dichloroethene

Concen: 36.082 ppbv

RT: 3.880 min Scan# 394

Delta R.T. -0.010 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Instrument :

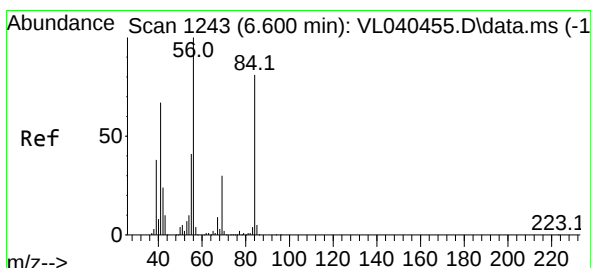
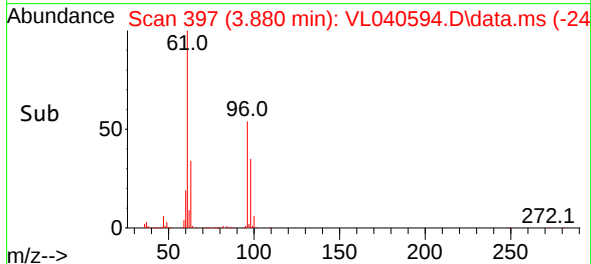
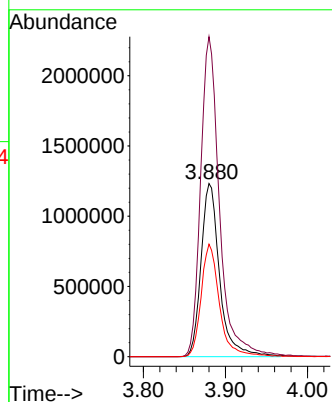
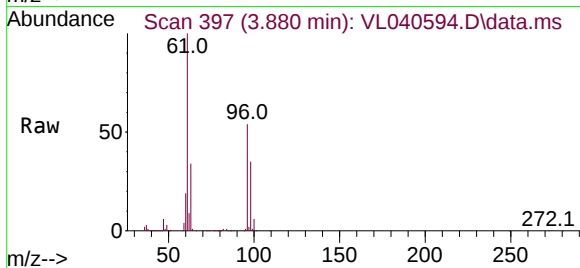
MSVOA_L

ClientSampleId :

E065-1100

Tgt Ion: 96 Resp: 1942197

Ion	Ratio	Lower	Upper
96	100		
61	184.7	154.4	231.6
98	64.9	50.0	75.0



#30

Cyclohexane

Concen: 46.807 ppbv

RT: 6.606 min Scan# 1245

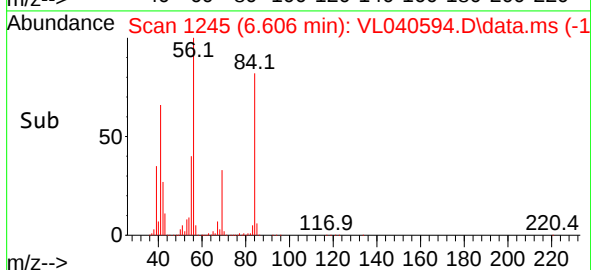
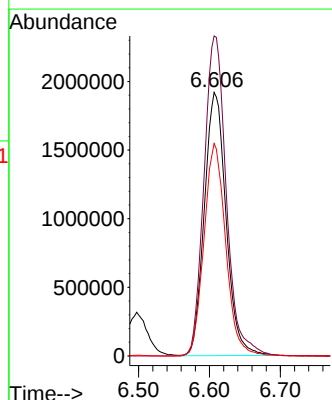
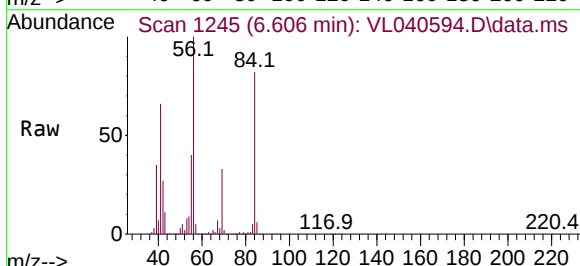
Delta R.T. -0.003 min

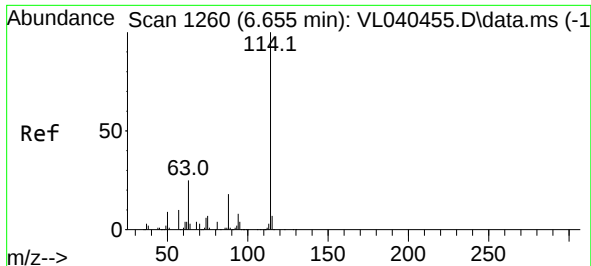
Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Tgt Ion: 84 Resp: 4084298

Ion	Ratio	Lower	Upper
84	100		
56	125.0	108.7	163.1
41	80.8	64.5	96.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Instrument :

MSVOA_L

ClientSampleId :

E065-1100

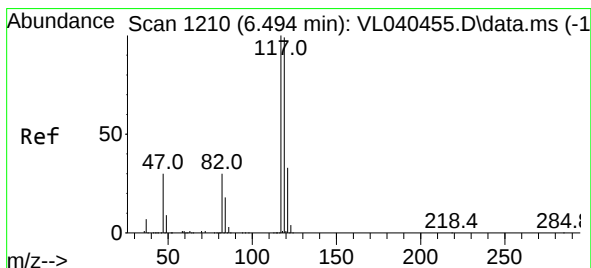
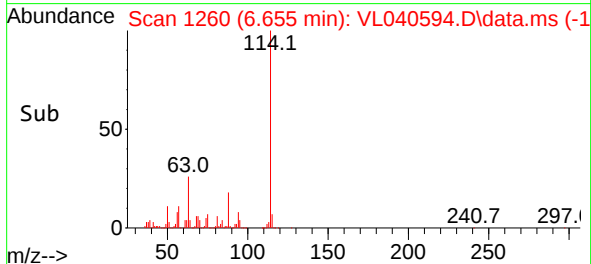
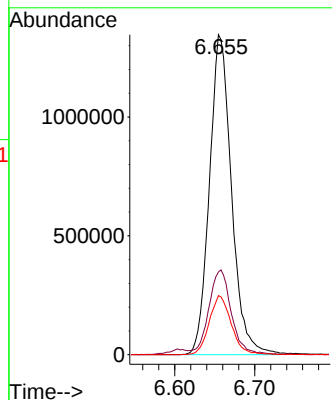
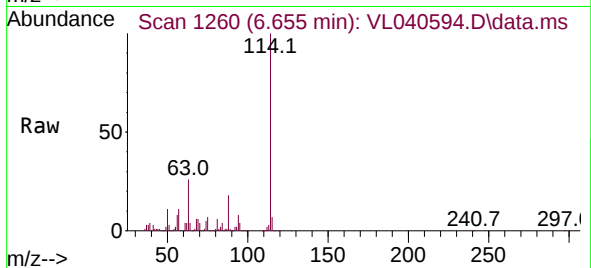
Tgt Ion:114 Resp: 2582592

Ion Ratio Lower Upper

114 100

63 28.6 19.6 29.4

88 18.5 14.2 21.2



#35

Carbon Tetrachloride

Concen: 21.749 ppbv

RT: 6.497 min Scan# 1211

Delta R.T. -0.007 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

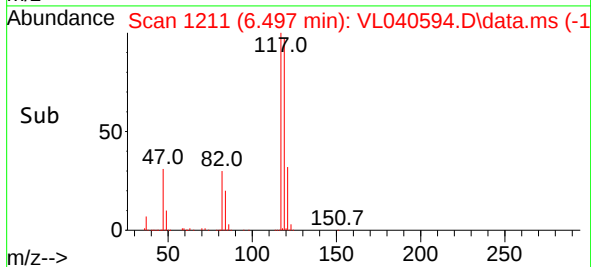
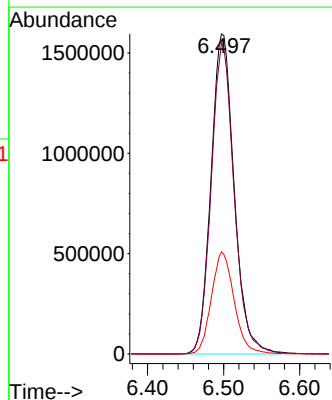
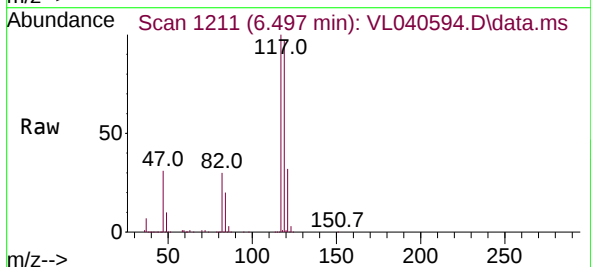
Tgt Ion:117 Resp: 3380265

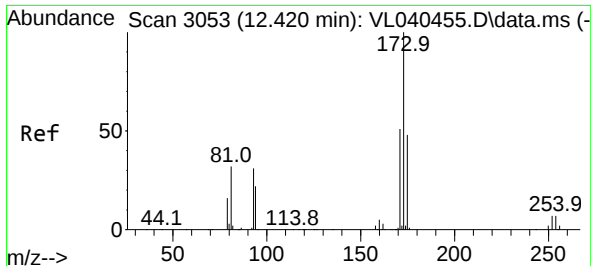
Ion Ratio Lower Upper

117 100

119 97.2 77.8 116.6

121 31.9 24.8 37.2

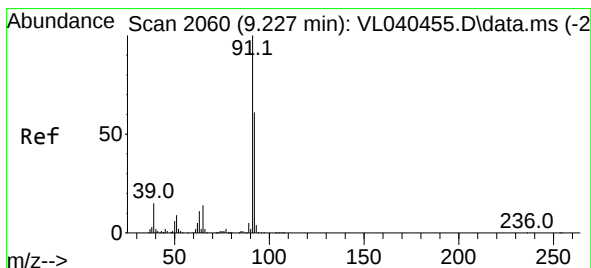
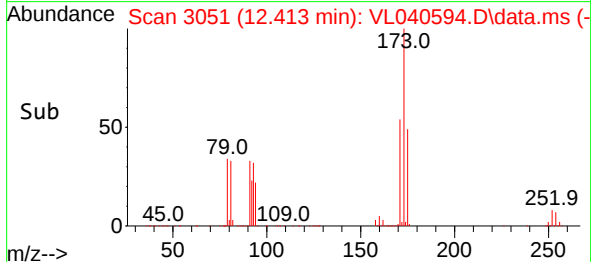
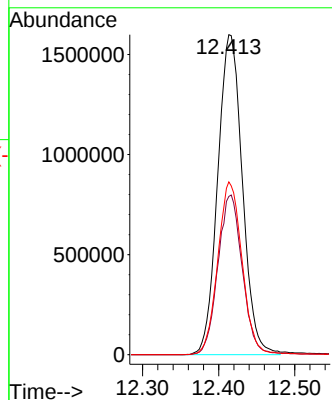
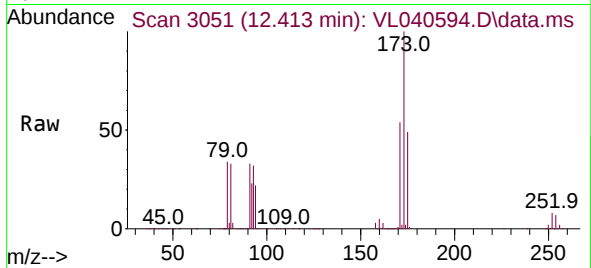




#49
Bromoform
Concen: 33.244 ppbv
RT: 12.413 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

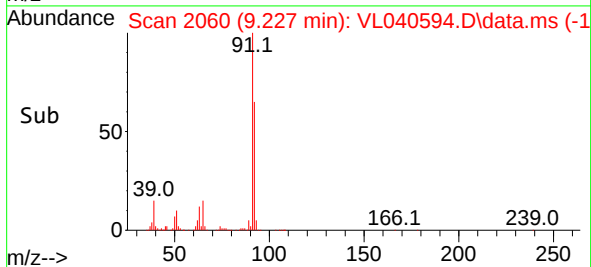
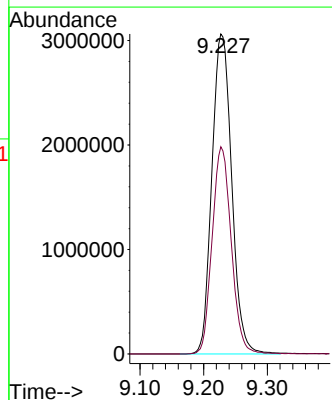
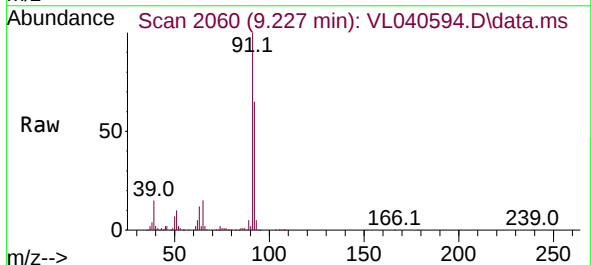
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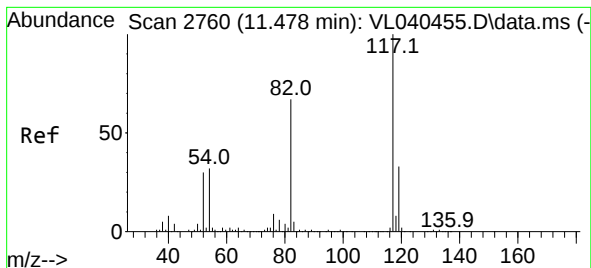
Tgt Ion:173 Resp: 3596483
Ion Ratio Lower Upper
173 100
175 49.7 39.5 59.3
171 53.7 42.2 63.4



#53
Toluene
Concen: 29.319 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040594.D
Acq: 7 Aug 2023 11:55

Tgt Ion: 91 Resp: 6617771
Ion Ratio Lower Upper
91 100
92 62.5 49.1 73.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Instrument :

MSVOA_L

ClientSampleId :

E065-1100

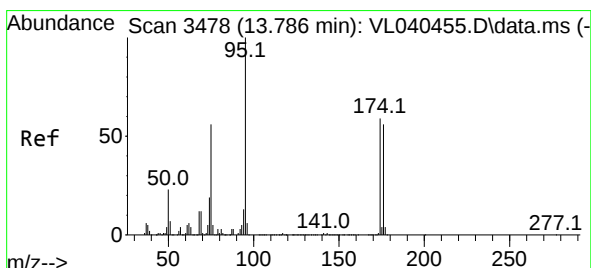
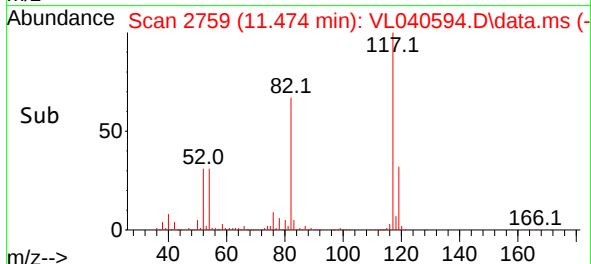
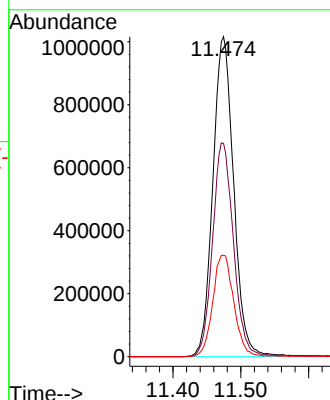
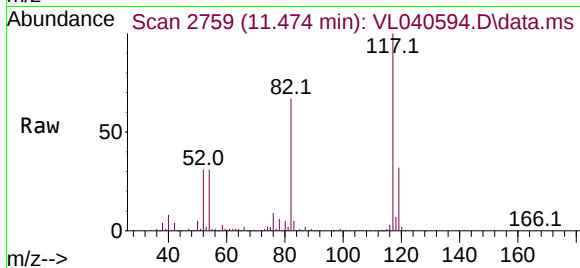
Tgt Ion:117 Resp: 2163141

Ion Ratio Lower Upper

117 100

82 67.8 50.2 75.4

119 32.3 26.9 40.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.361 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.000 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

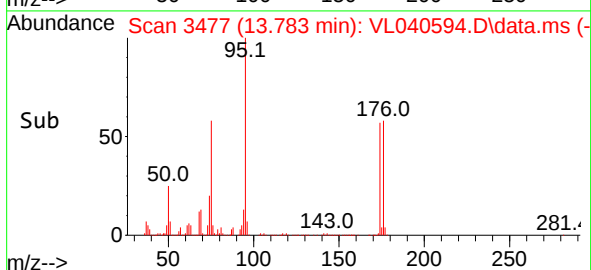
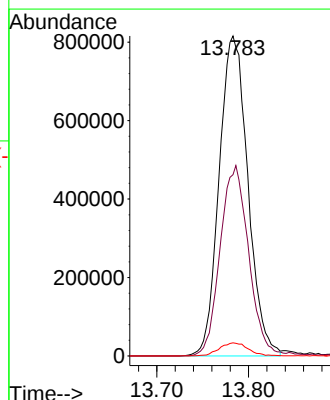
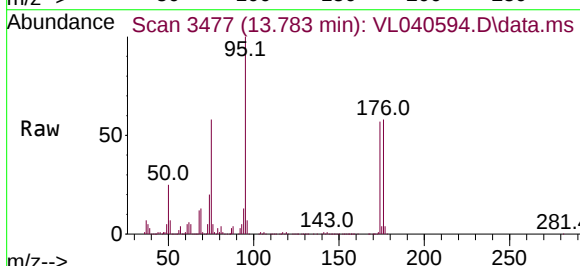
Tgt Ion: 95 Resp: 1773824

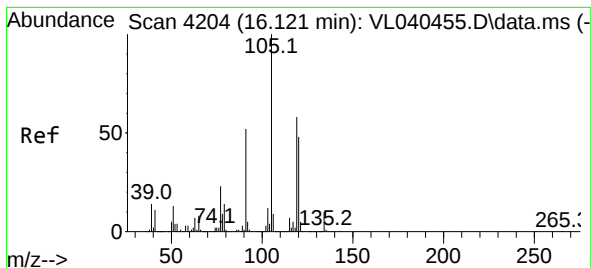
Ion Ratio Lower Upper

95 100

174 59.6 50.6 75.8

175 4.3 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 39.181 ppbv

RT: 16.117 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Instrument :

MSVOA_1

ClientSampleId :

E065-1100

Tgt Ion:105 Resp:10894418

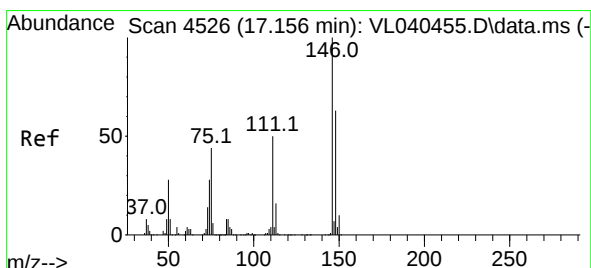
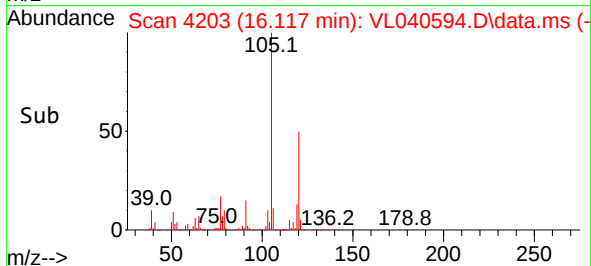
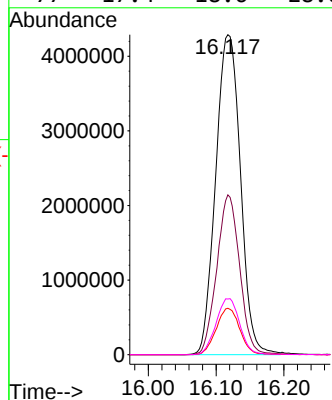
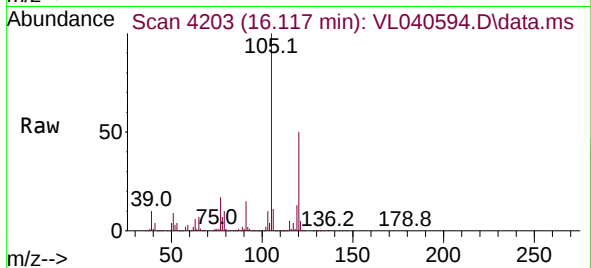
Ion Ratio Lower Upper

105 100

120 49.9 40.3 60.5

91 14.5 46.8 70.2#

77 17.4 18.6 28.0#



#77

1,2-Dichlorobenzene

Concen: 30.506 ppbv

RT: 17.156 min Scan# 4526

Delta R.T. 0.003 min

Lab File: VL040594.D

Acq: 7 Aug 2023 11:55

Tgt Ion:146 Resp: 4917562

Ion Ratio Lower Upper

146 100

111 50.9 24.3 72.8

148 64.1 32.1 96.3

