

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040595.D
 Acq On : 7 Aug 2023 12:34
 Operator : SY/MD
 Sample : 03861-01DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100DL

Quant Time: Aug 08 01:40:43 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)

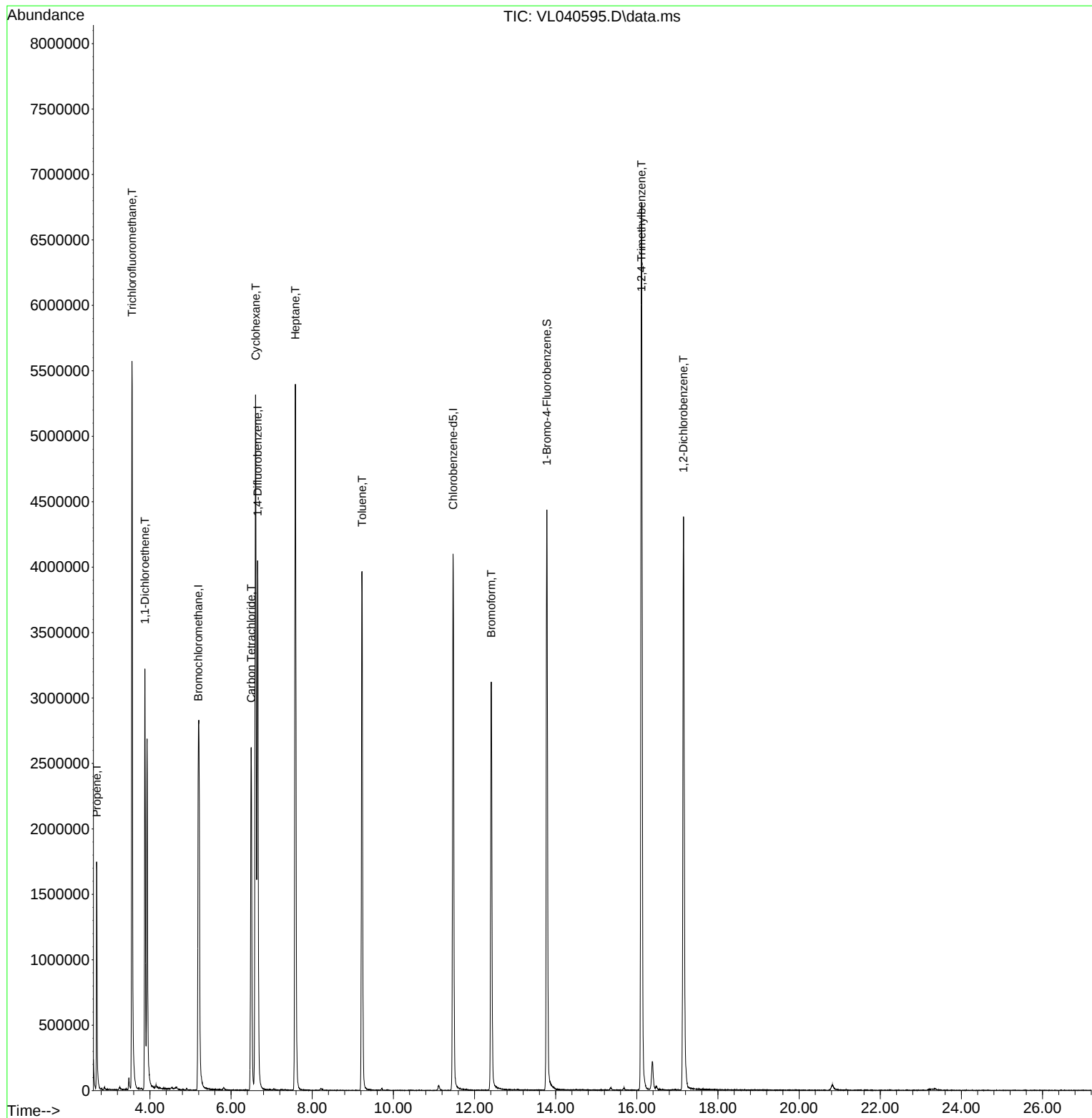
Internal Standards							
1) Bromochloromethane		5.192	49	1110125	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene		6.655	114	2805953	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.471	117	2460782	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.783	95	2100723	10.786	ppbv	0.00
Spiked Amount 10.000		Range	65 - 135	Recovery	= 107.900%		
Target Compounds							
							Qvalue
9) Propene		2.687	41	660600	10.966	ppbv	98
10) Heptane		7.584	43	2427255	18.248	ppbv	99
11) Trichlorofluoromethane		3.558	101	3748132	20.919	ppbv	100
18) 1,1-Dichloroethene		3.877	96	914209	15.759	ppbv	96
30) Cyclohexane		6.606	84	1927302	20.494	ppbv	94
35) Carbon Tetrachloride		6.497	117	1617665	9.580	ppbv	97
49) Bromoform		12.413	173	1616984	13.757	ppbv	99
53) Toluene		9.227	91	3072710	12.529	ppbv	100
74) 1,2,4-Trimethylbenzene		16.117	105	5362903	16.954	ppbv #	66
77) 1,2-Dichlorobenzene		17.149	146	2211169	12.058	ppbv	98

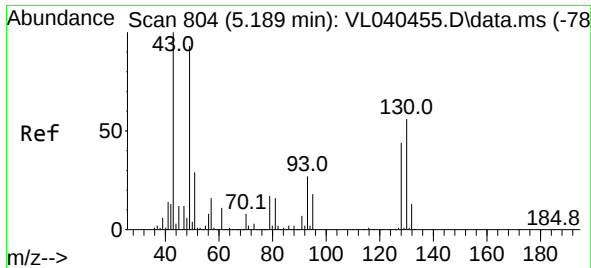
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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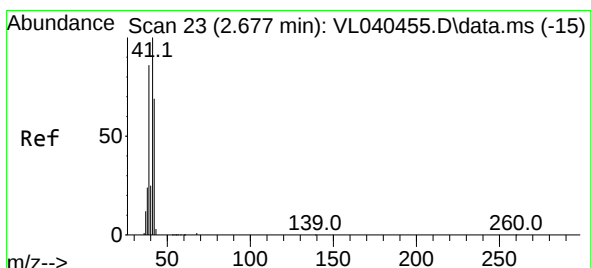
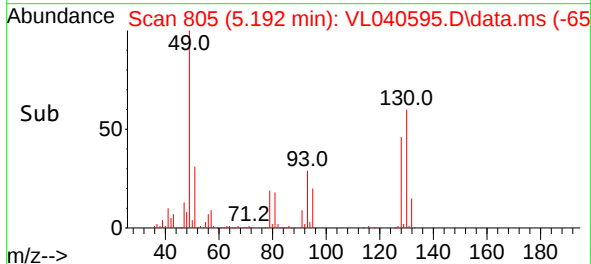
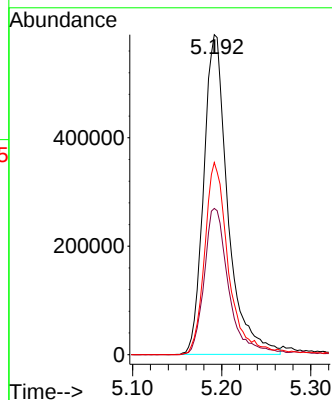
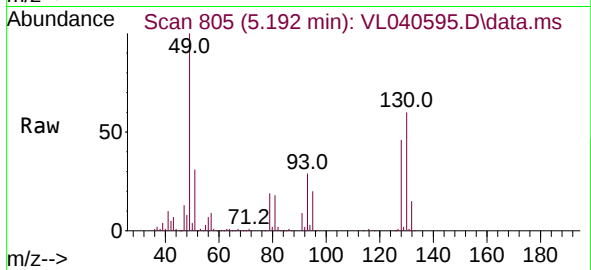




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

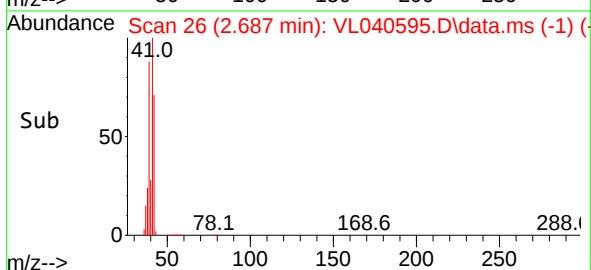
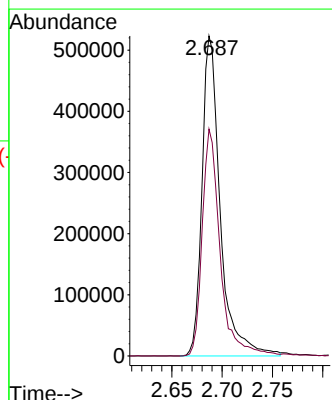
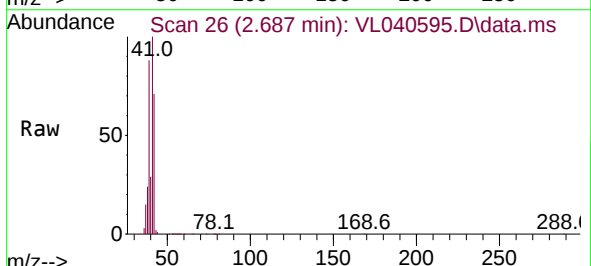
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

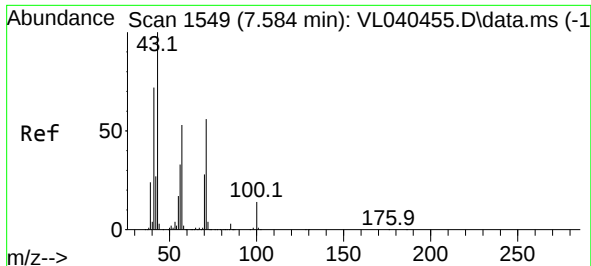
Tgt Ion: 49 Resp: 1110125
Ion Ratio Lower Upper
49 100
128 46.5 25.1 75.4
130 60.8 31.6 94.7



#9
Propene
Concen: 10.966 ppbv
RT: 2.687 min Scan# 26
Delta R.T. -0.016 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

Tgt Ion: 41 Resp: 660600
Ion Ratio Lower Upper
41 100
42 70.5 55.0 82.6

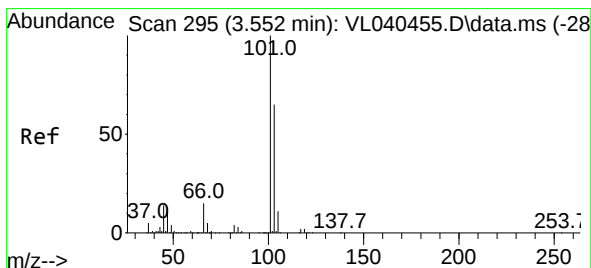
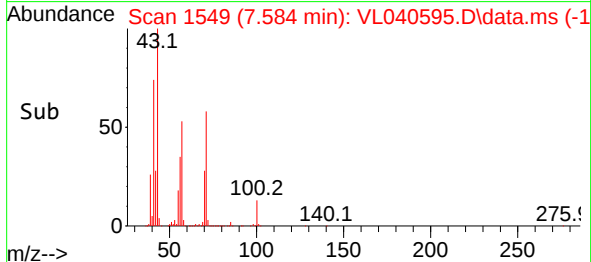
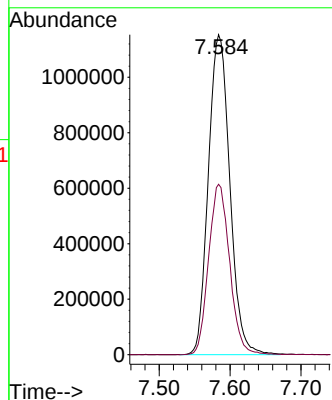
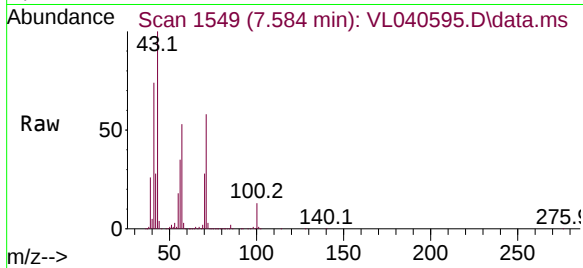




#10
Heptane
Concen: 18.248 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

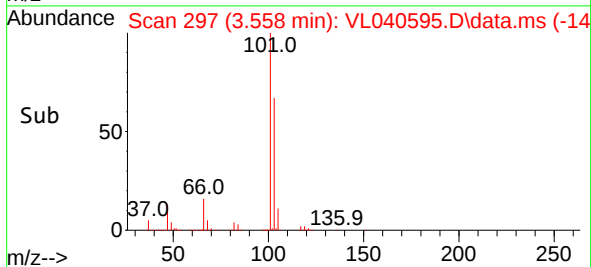
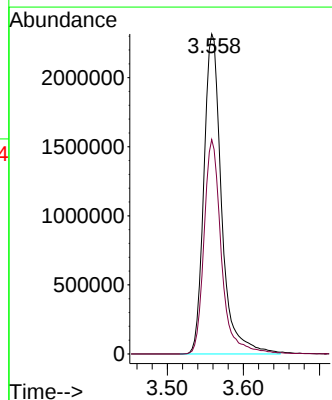
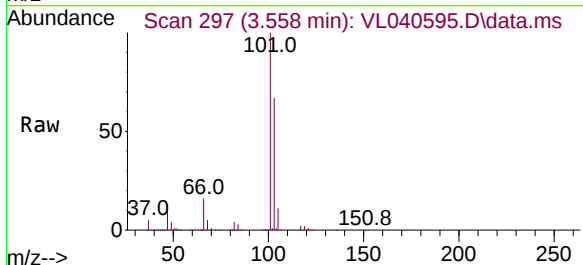
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

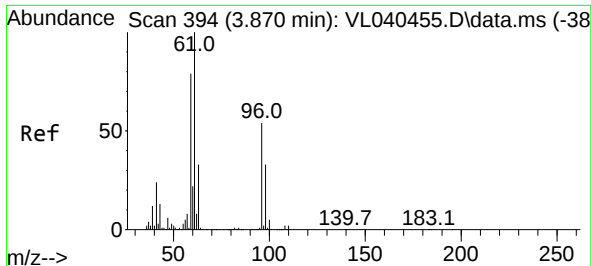
Tgt Ion: 43 Resp: 2427255
Ion Ratio Lower Upper
43 100
57 52.3 42.5 63.7



#11
Trichlorofluoromethane
Concen: 20.919 ppbv
RT: 3.558 min Scan# 297
Delta R.T. -0.013 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

Tgt Ion: 101 Resp: 3748132
Ion Ratio Lower Upper
101 100
103 67.0 53.4 80.0





#18

1,1-Dichloroethene

Concen: 15.759 ppbv

RT: 3.877 min Scan# 394

Delta R.T. -0.013 min

Lab File: VL040595.D

Acq: 7 Aug 2023 12:34

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

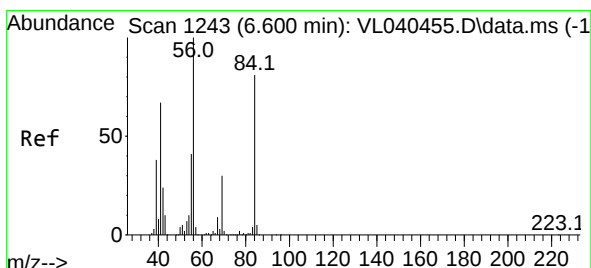
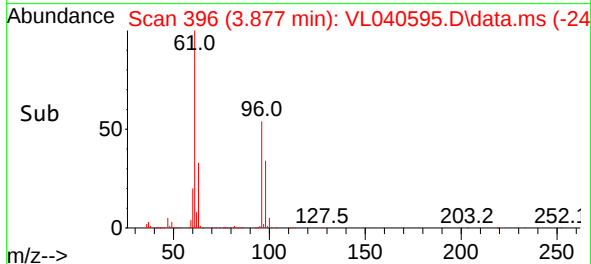
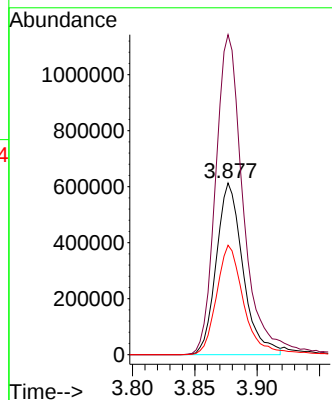
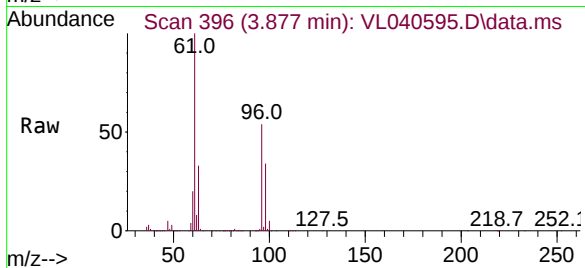
Tgt Ion: 96 Resp: 914209

Ion Ratio Lower Upper

96 100

61 186.4 154.4 231.6

98 63.8 50.0 75.0



#30

Cyclohexane

Concen: 20.494 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VL040595.D

Acq: 7 Aug 2023 12:34

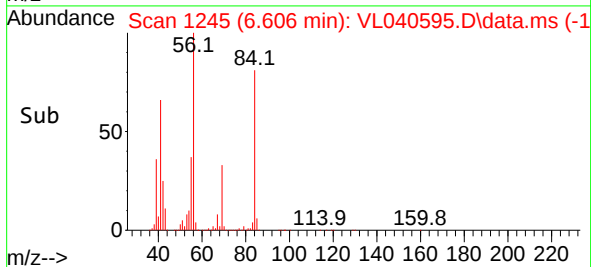
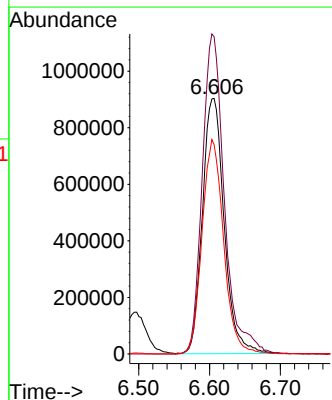
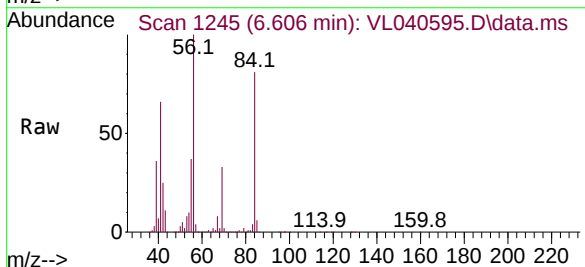
Tgt Ion: 84 Resp: 1927302

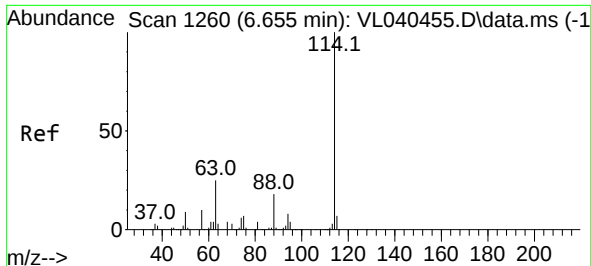
Ion Ratio Lower Upper

84 100

56 127.3 108.7 163.1

41 83.2 64.5 96.7

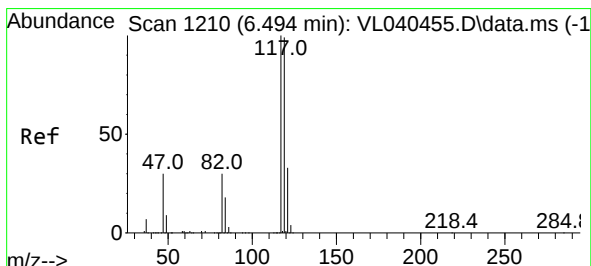
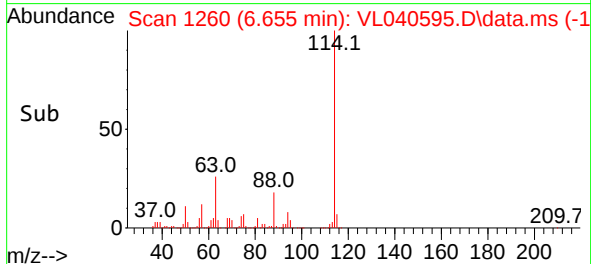
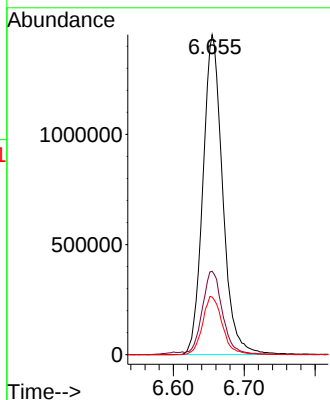
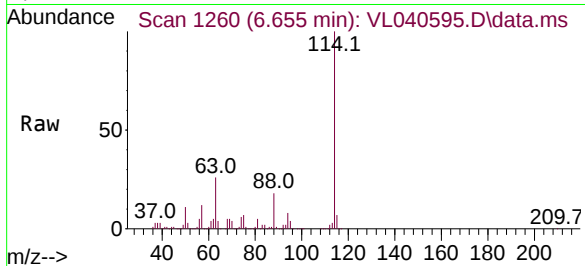




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.655 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL040595.D
 Acq: 7 Aug 2023 12:34

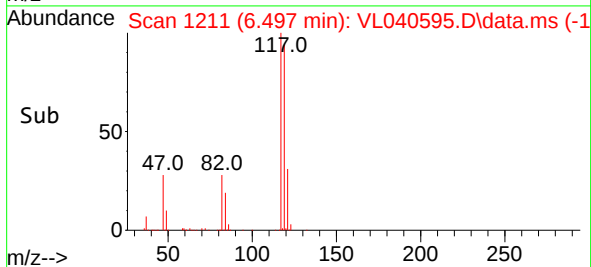
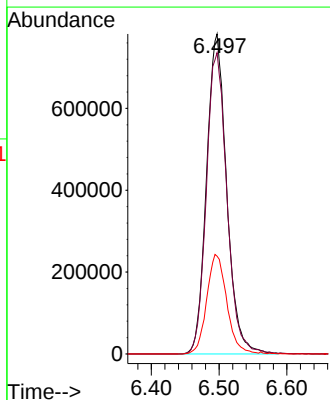
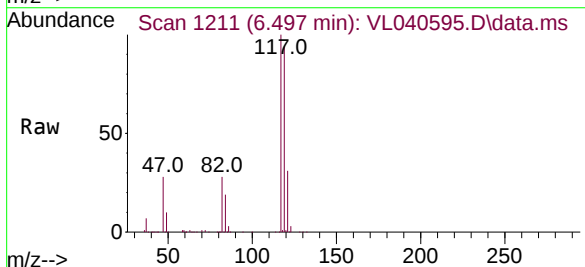
Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100DL

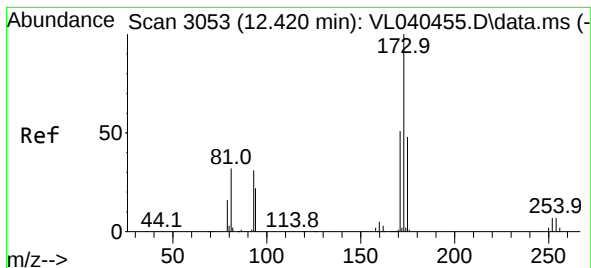
Tgt Ion:114 Resp: 2805953
 Ion Ratio Lower Upper
 114 100
 63 27.6 19.6 29.4
 88 18.3 14.2 21.2



#35
 Carbon Tetrachloride
 Concen: 9.580 ppbv
 RT: 6.497 min Scan# 1211
 Delta R.T. -0.007 min
 Lab File: VL040595.D
 Acq: 7 Aug 2023 12:34

Tgt Ion:117 Resp: 1617665
 Ion Ratio Lower Upper
 117 100
 119 94.1 77.8 116.6
 121 30.5 24.8 37.2





#49

Bromoform

Concen: 13.757 ppbv

RT: 12.413 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL040595.D

Acq: 7 Aug 2023 12:34

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

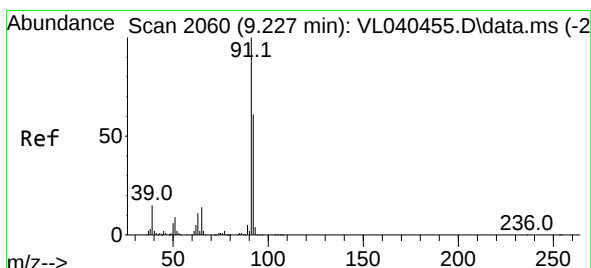
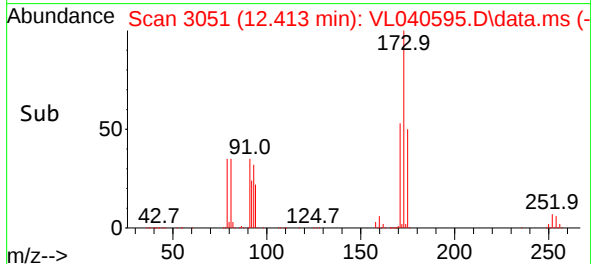
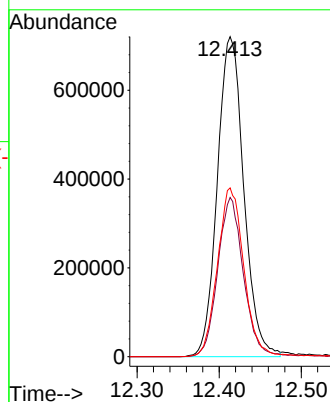
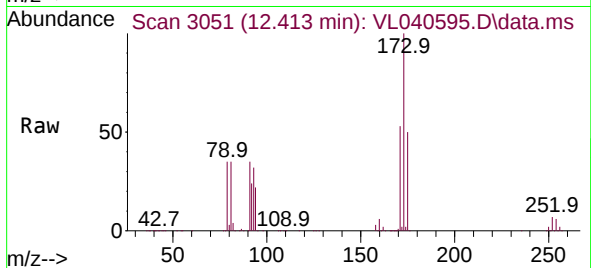
Tgt Ion:173 Resp: 1616984

Ion Ratio Lower Upper

173 100

175 48.7 39.5 59.3

171 52.8 42.2 63.4



#53

Toluene

Concen: 12.529 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.003 min

Lab File: VL040595.D

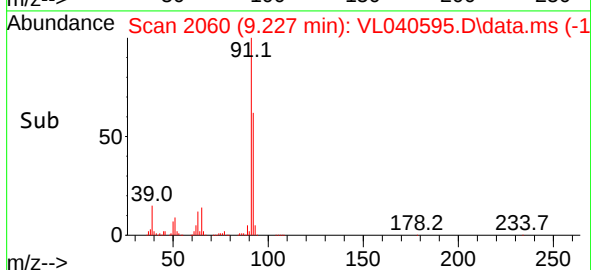
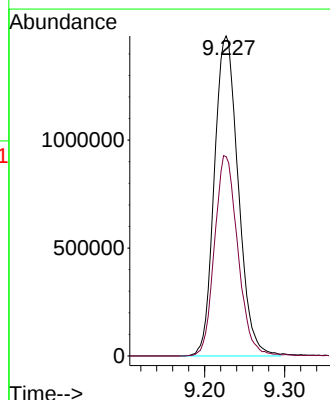
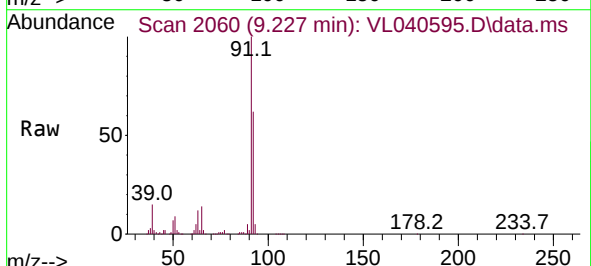
Acq: 7 Aug 2023 12:34

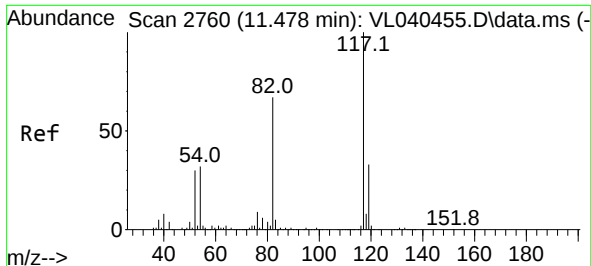
Tgt Ion: 91 Resp: 3072710

Ion Ratio Lower Upper

91 100

92 61.6 49.1 73.7

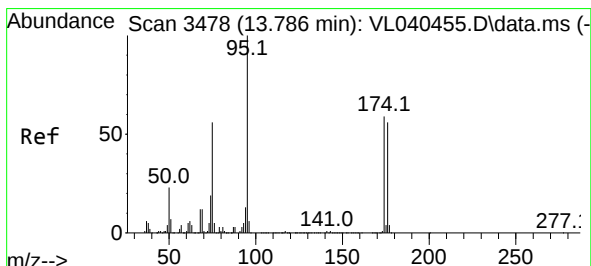
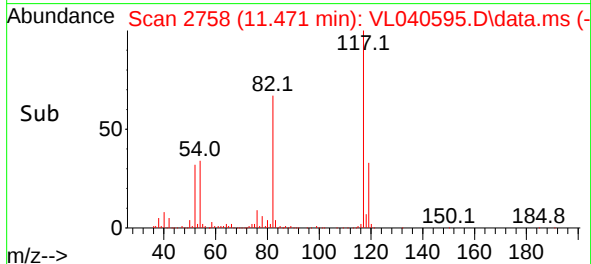
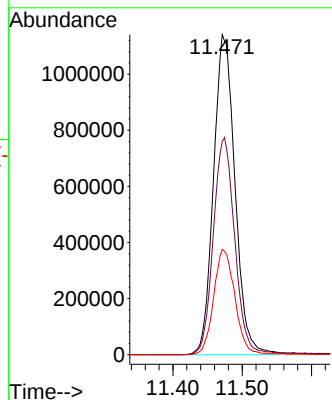
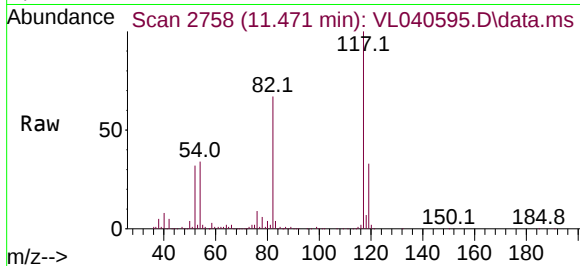




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

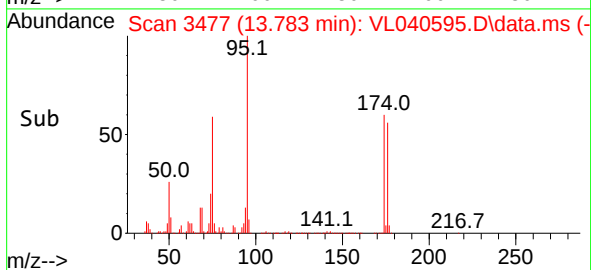
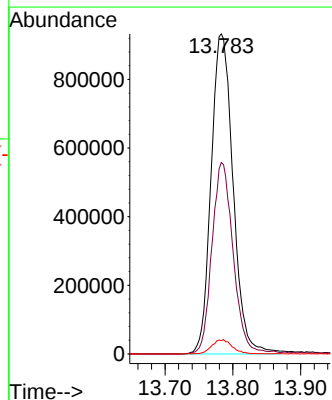
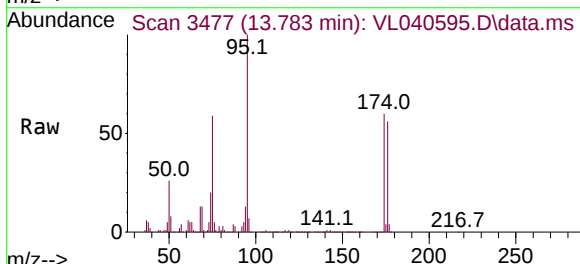
Instrument :
MSVOA_1
ClientSampleId :
E065-1100DL

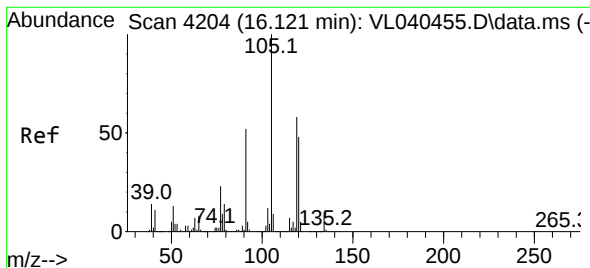
Tgt Ion:117 Resp: 2460782
Ion Ratio Lower Upper
117 100
82 68.1 50.2 75.4
119 32.8 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.786 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.000 min
Lab File: VL040595.D
Acq: 7 Aug 2023 12:34

Tgt Ion: 95 Resp: 2100723
Ion Ratio Lower Upper
95 100
174 59.0 50.6 75.8
175 4.3 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 16.954 ppbv

RT: 16.117 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040595.D

Acq: 7 Aug 2023 12:34

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

Tgt Ion:105 Resp: 5362903

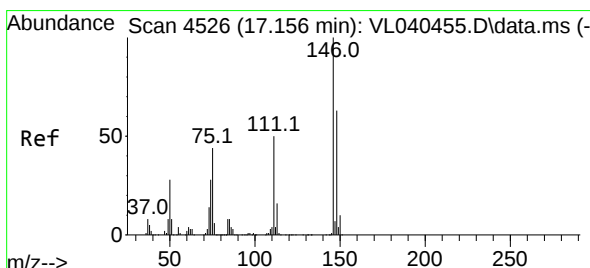
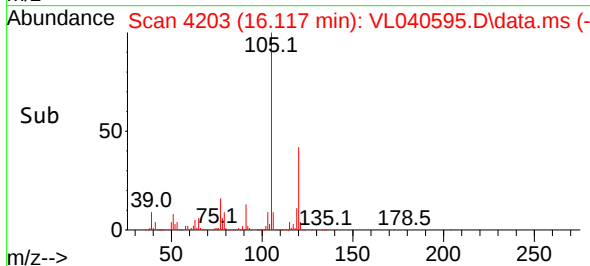
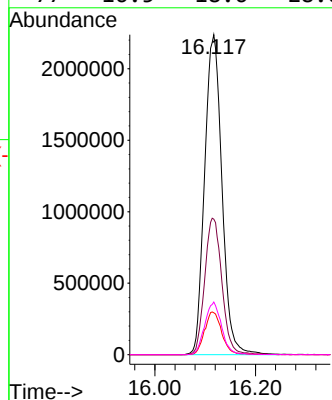
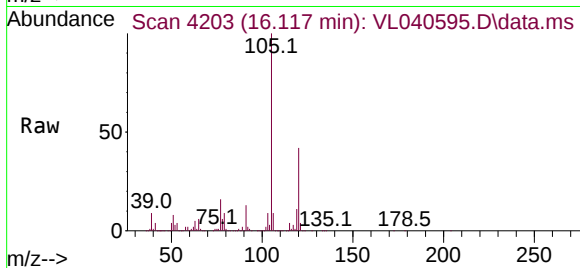
Ion Ratio Lower Upper

105 100

120 42.4 40.3 60.5

91 13.1 46.8 70.2#

77 16.5 18.6 28.0#



#77

1,2-Dichlorobenzene

Concen: 12.058 ppbv

RT: 17.149 min Scan# 4524

Delta R.T. -0.003 min

Lab File: VL040595.D

Acq: 7 Aug 2023 12:34

Tgt Ion:146 Resp: 2211169

Ion Ratio Lower Upper

146 100

111 51.2 24.3 72.8

148 64.2 32.1 96.3

