

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040596.D
 Acq On : 7 Aug 2023 13:13
 Operator : SY/MD
 Sample : 03861-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100DL

Quant Time: Aug 08 01:40:53 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)

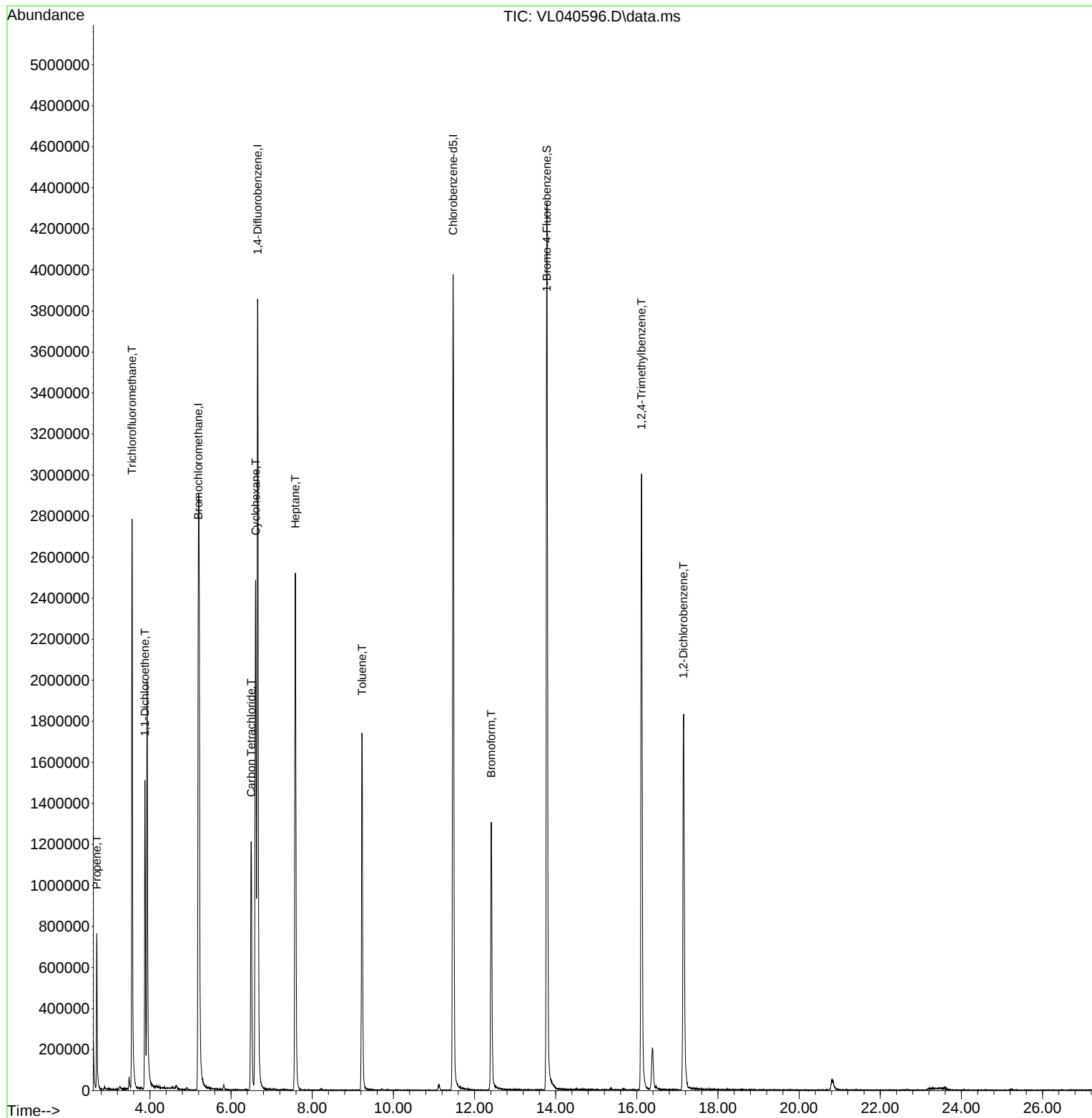
Internal Standards							
1) Bromochloromethane		5.192	49	1102241	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene		6.655	114	2763712	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.471	117	2400304	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.786	95	2021791	10.643	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	=	106.400%
Target Compounds							
							Qvalue
9) Propene		2.690	41	292066	4.883	ppbv	100
10) Heptane		7.584	43	1074361	8.135	ppbv	99
11) Trichlorofluoromethane		3.559	101	1889342	10.620	ppbv	97
18) 1,1-Dichloroethene		3.877	96	440546	7.648	ppbv	92
30) Cyclohexane		6.607	84	847788	9.079	ppbv	97
35) Carbon Tetrachloride		6.497	117	735578	4.423	ppbv	97
49) Bromoform		12.413	173	670512	5.792	ppbv	99
53) Toluene		9.230	91	1314024	5.440	ppbv	98
74) 1,2,4-Trimethylbenzene		16.118	105	2289135	7.419	ppbv #	65
77) 1,2-Dichlorobenzene		17.150	146	927047	5.183	ppbv	98

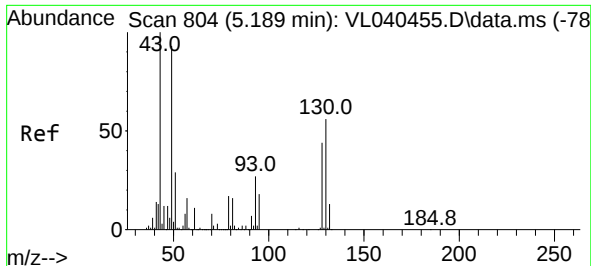
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
Data File : VL040596.D
Acq On : 7 Aug 2023 13:13
Operator : SY/MD
Sample : 03861-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

Quant Time: Aug 08 01:40:53 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

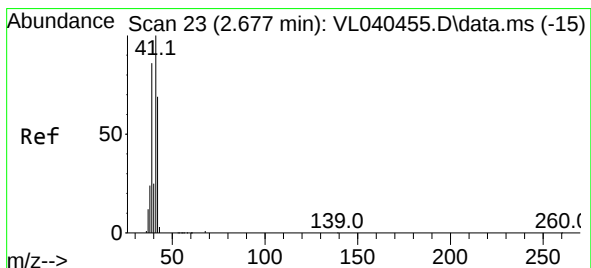
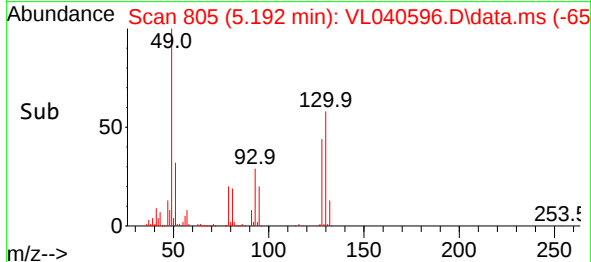
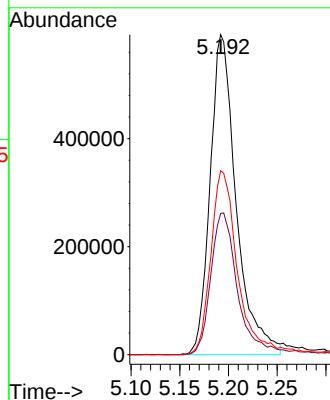
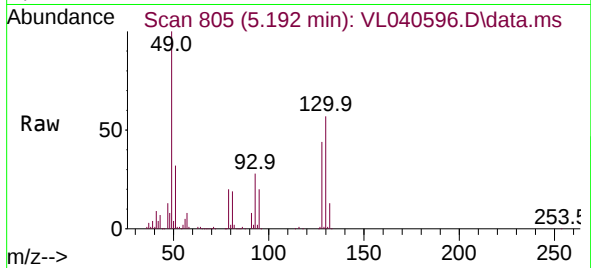




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

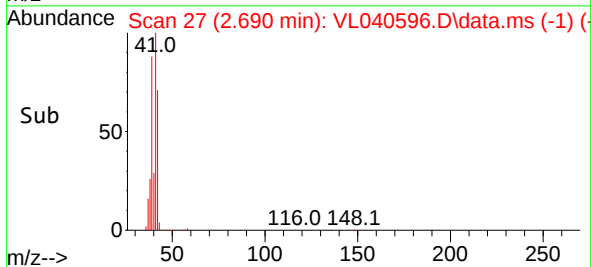
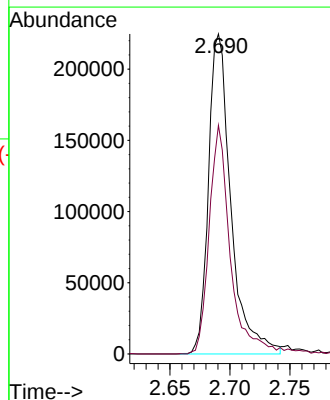
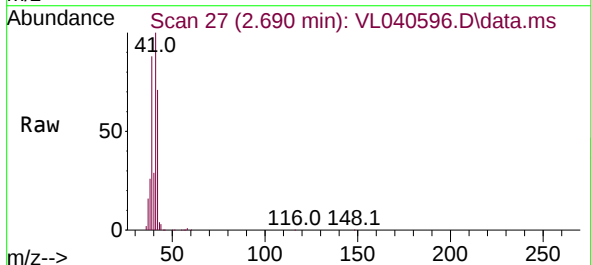
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

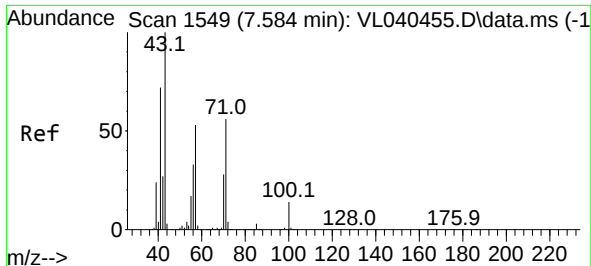
Tgt Ion: 49 Resp: 1102241
Ion Ratio Lower Upper
49 100
128 47.1 25.1 75.4
130 61.7 31.6 94.7



#9
Propene
Concen: 4.883 ppbv
RT: 2.690 min Scan# 27
Delta R.T. -0.013 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

Tgt Ion: 41 Resp: 292066
Ion Ratio Lower Upper
41 100
42 68.6 55.0 82.6

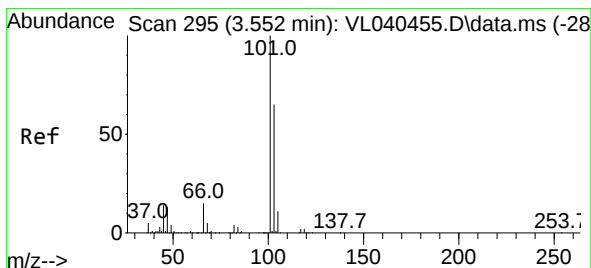
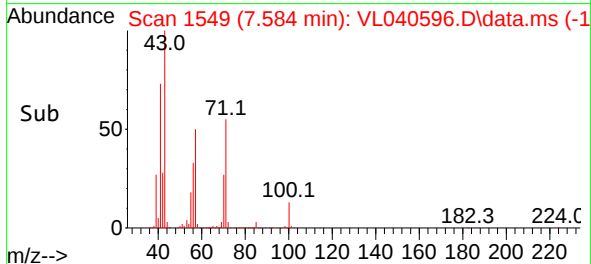
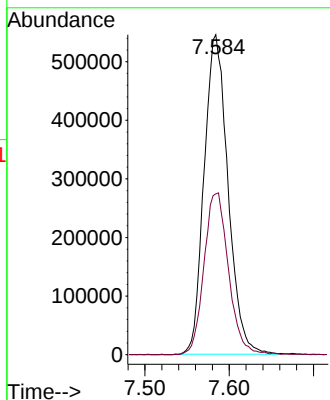
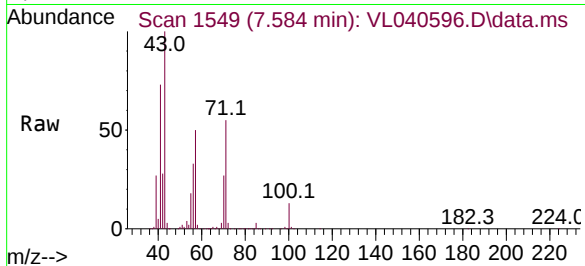




#10
Heptane
Concen: 8.135 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

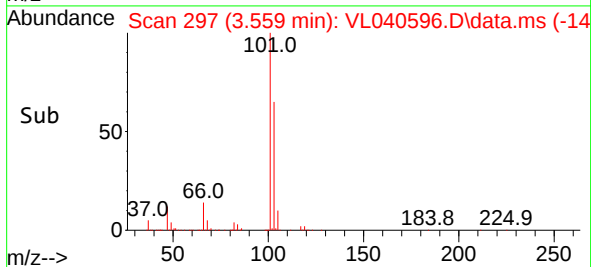
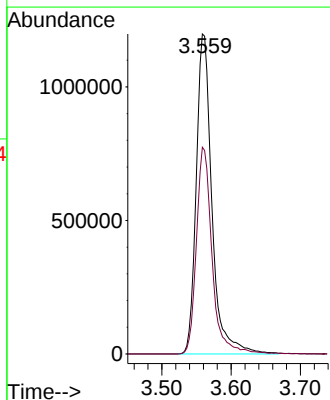
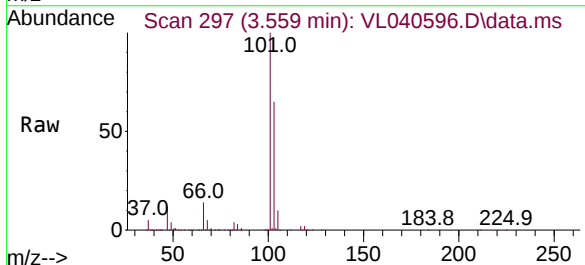
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

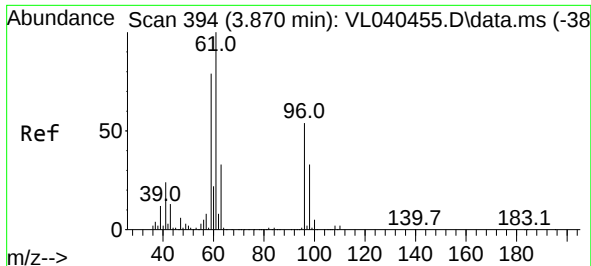
Tgt Ion: 43 Resp: 1074361
Ion Ratio Lower Upper
43 100
57 52.2 42.5 63.7



#11
Trichlorofluoromethane
Concen: 10.620 ppbv
RT: 3.559 min Scan# 297
Delta R.T. -0.013 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

Tgt Ion:101 Resp: 1889342
Ion Ratio Lower Upper
101 100
103 64.6 53.4 80.0

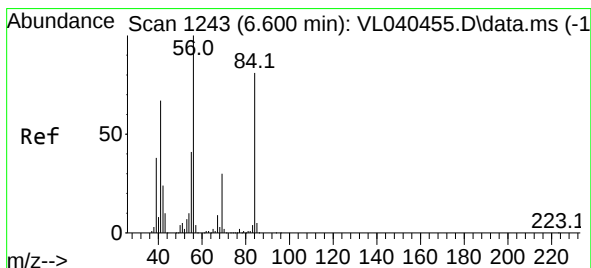
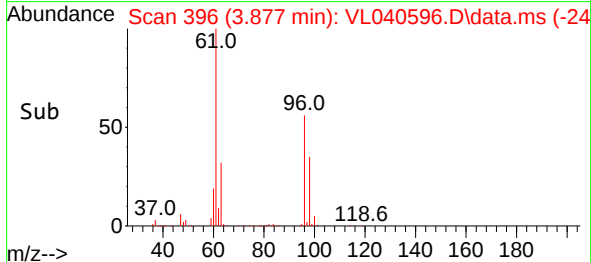
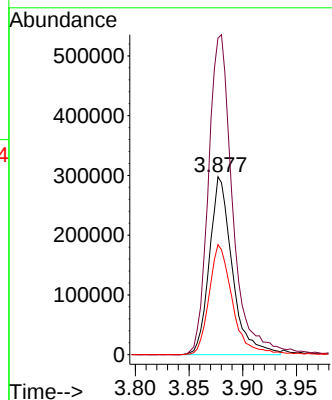
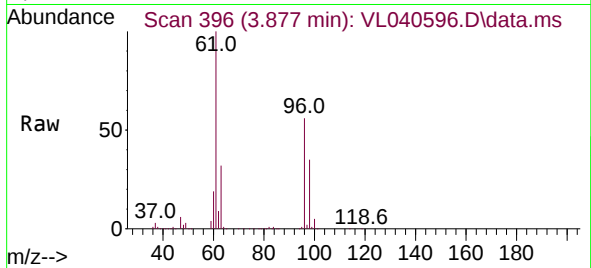




#18
1,1-Dichloroethene
Concen: 7.648 ppbv
RT: 3.877 min Scan# 394
Delta R.T. -0.013 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

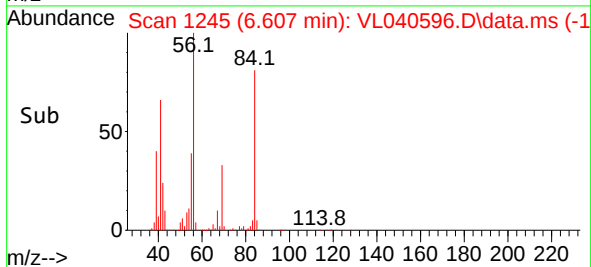
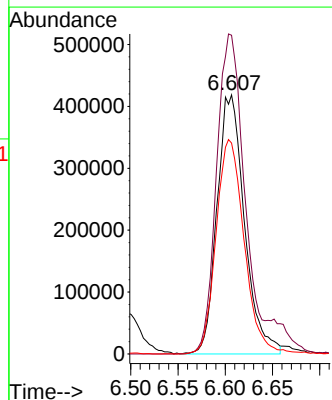
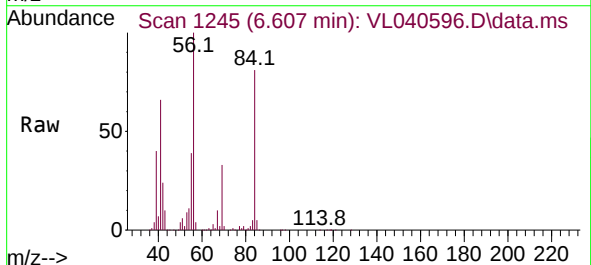
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

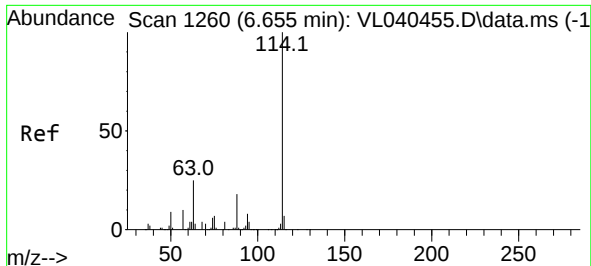
Tgt Ion: 96 Resp: 440546
Ion Ratio Lower Upper
96 100
61 177.9 154.4 231.6
98 61.9 50.0 75.0



#30
Cyclohexane
Concen: 9.079 ppbv
RT: 6.607 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

Tgt Ion: 84 Resp: 847788
Ion Ratio Lower Upper
84 100
56 134.5 108.7 163.1
41 84.9 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: VL040596.D

Acq: 7 Aug 2023 13:13

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

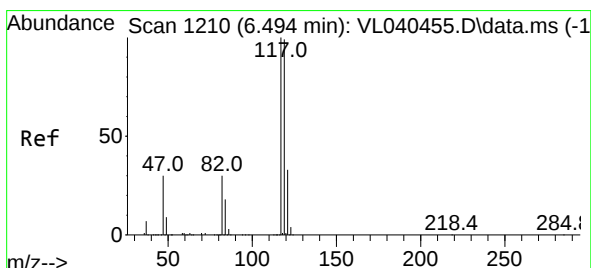
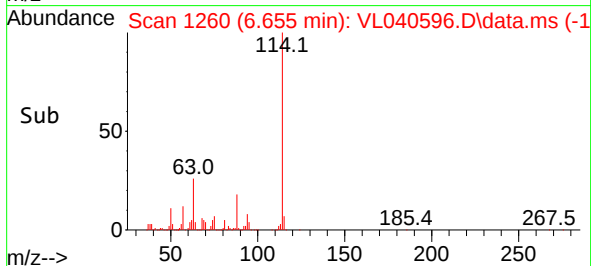
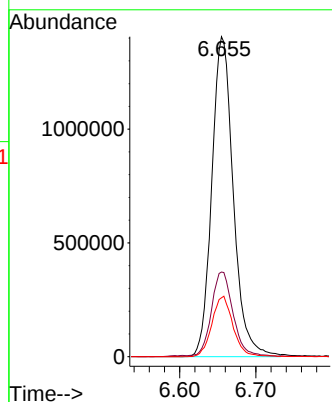
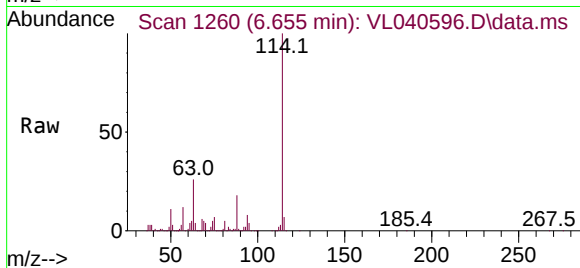
Tgt Ion:114 Resp: 2763712

Ion Ratio Lower Upper

114 100

63 27.4 19.6 29.4

88 18.6 14.2 21.2



#35

Carbon Tetrachloride

Concen: 4.423 ppbv

RT: 6.497 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VL040596.D

Acq: 7 Aug 2023 13:13

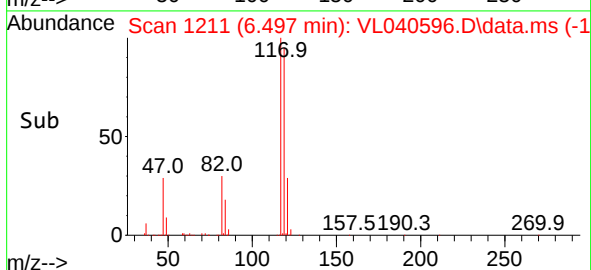
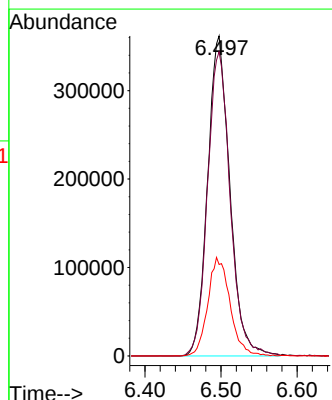
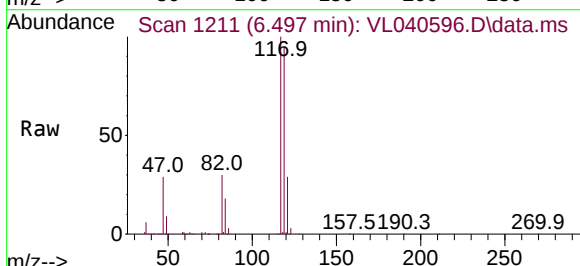
Tgt Ion:117 Resp: 735578

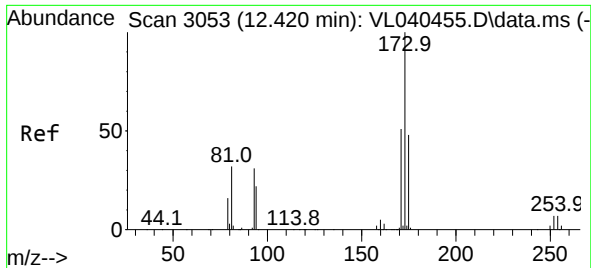
Ion Ratio Lower Upper

117 100

119 95.1 77.8 116.6

121 28.6 24.8 37.2

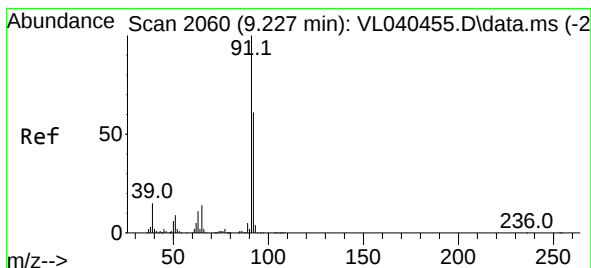
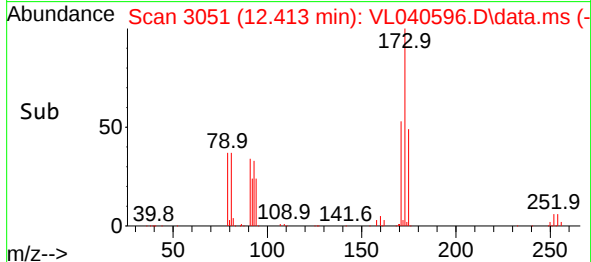
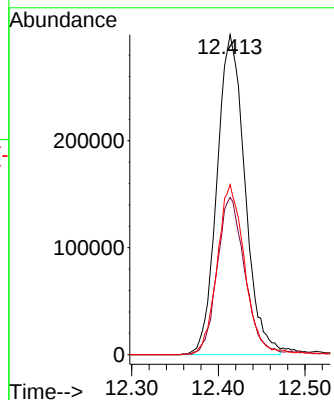
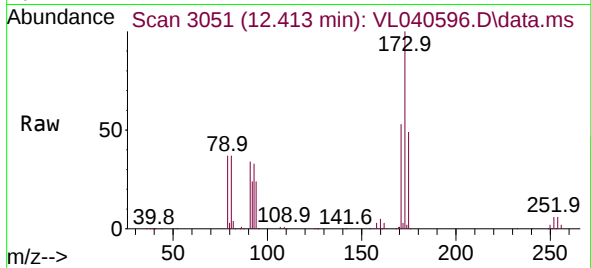




#49
Bromoform
Concen: 5.792 ppbv
RT: 12.413 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

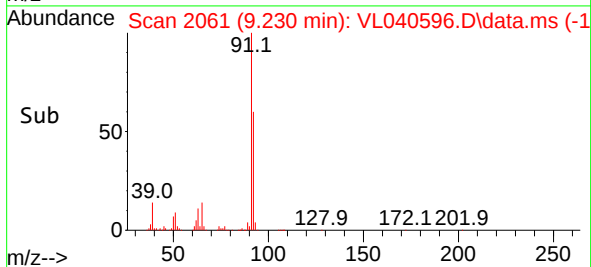
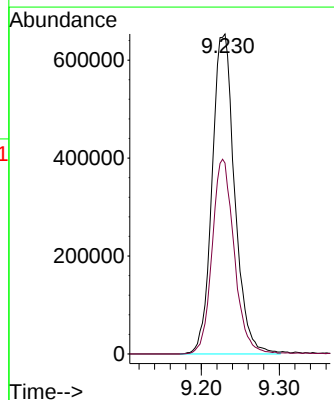
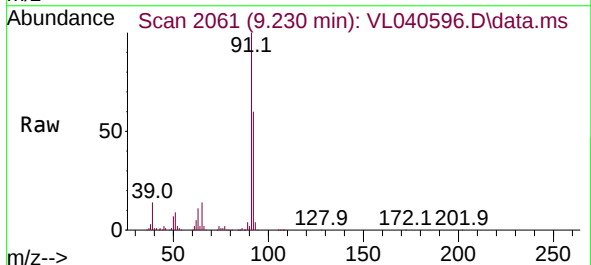
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

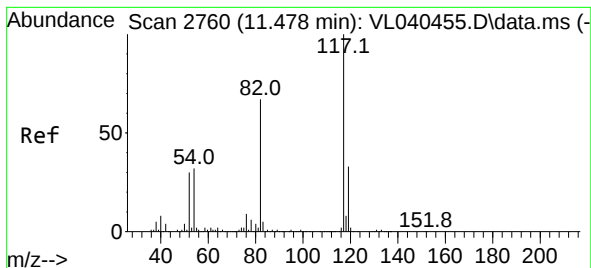
Tgt Ion:173 Resp: 670512
Ion Ratio Lower Upper
173 100
175 49.9 39.5 59.3
171 52.5 42.2 63.4



#53
Toluene
Concen: 5.440 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

Tgt Ion: 91 Resp: 1314024
Ion Ratio Lower Upper
91 100
92 60.2 49.1 73.7

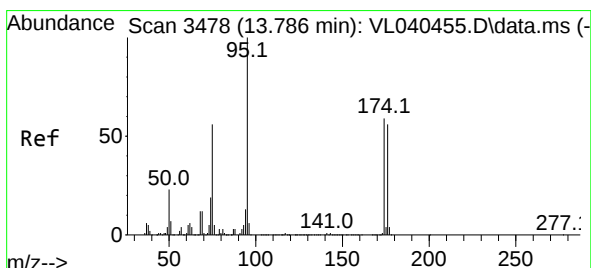
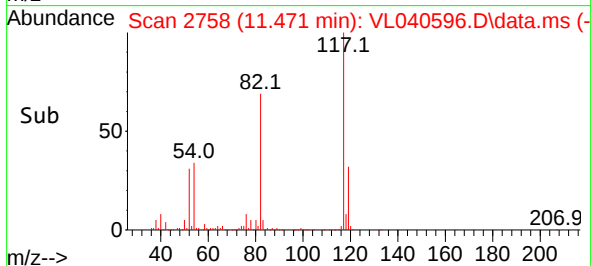
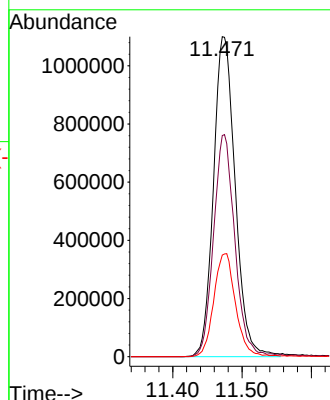
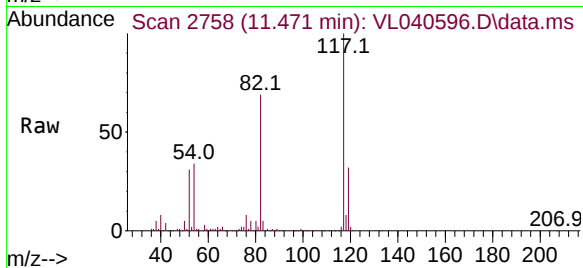




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

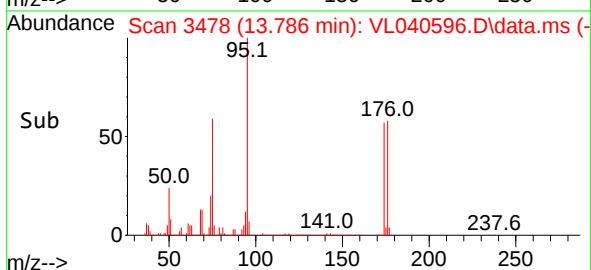
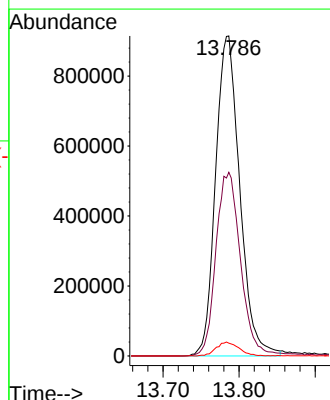
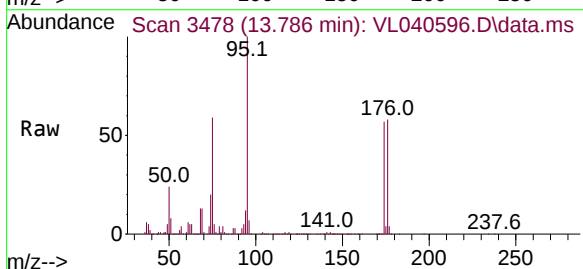
Instrument :
MSVOA_1
ClientSampleId :
E065-1100DL

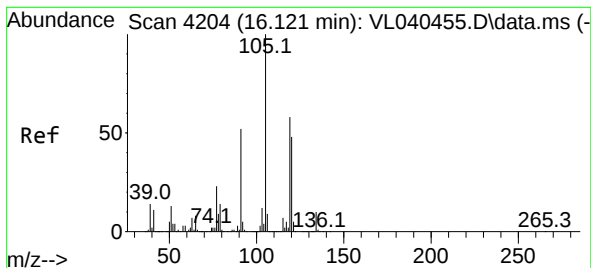
Tgt Ion:117 Resp: 2400304
Ion Ratio Lower Upper
117 100
82 68.5 50.2 75.4
119 32.6 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.643 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040596.D
Acq: 7 Aug 2023 13:13

Tgt Ion: 95 Resp: 2021791
Ion Ratio Lower Upper
95 100
174 59.1 50.6 75.8
175 4.1 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 7.419 ppbv

RT: 16.118 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040596.D

Acq: 7 Aug 2023 13:13

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

Tgt Ion:105 Resp: 2289135

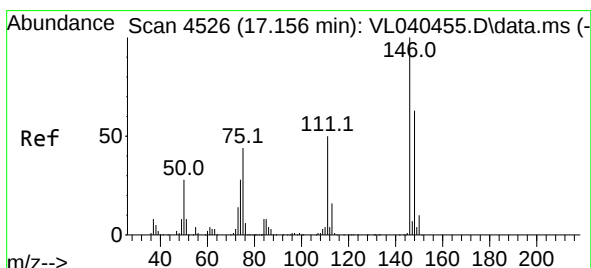
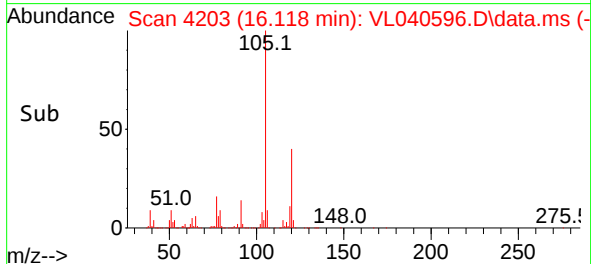
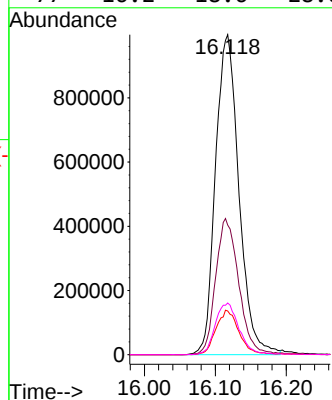
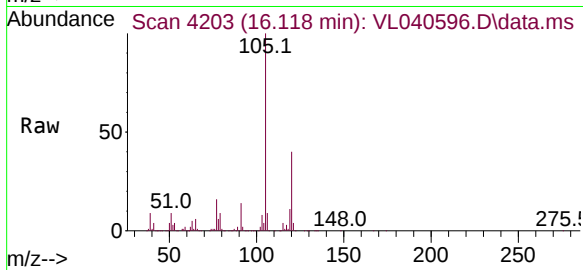
Ion Ratio Lower Upper

105 100

120 40.5 40.3 60.5

91 13.6 46.8 70.2#

77 16.2 18.6 28.0#



#77

1,2-Dichlorobenzene

Concen: 5.183 ppbv

RT: 17.150 min Scan# 4524

Delta R.T. -0.003 min

Lab File: VL040596.D

Acq: 7 Aug 2023 13:13

Tgt Ion:146 Resp: 927047

Ion Ratio Lower Upper

146 100

111 51.4 24.3 72.8

148 64.4 32.1 96.3

