

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040640.D
 Acq On : 15 Aug 2023 20:08
 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 16 05:58:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

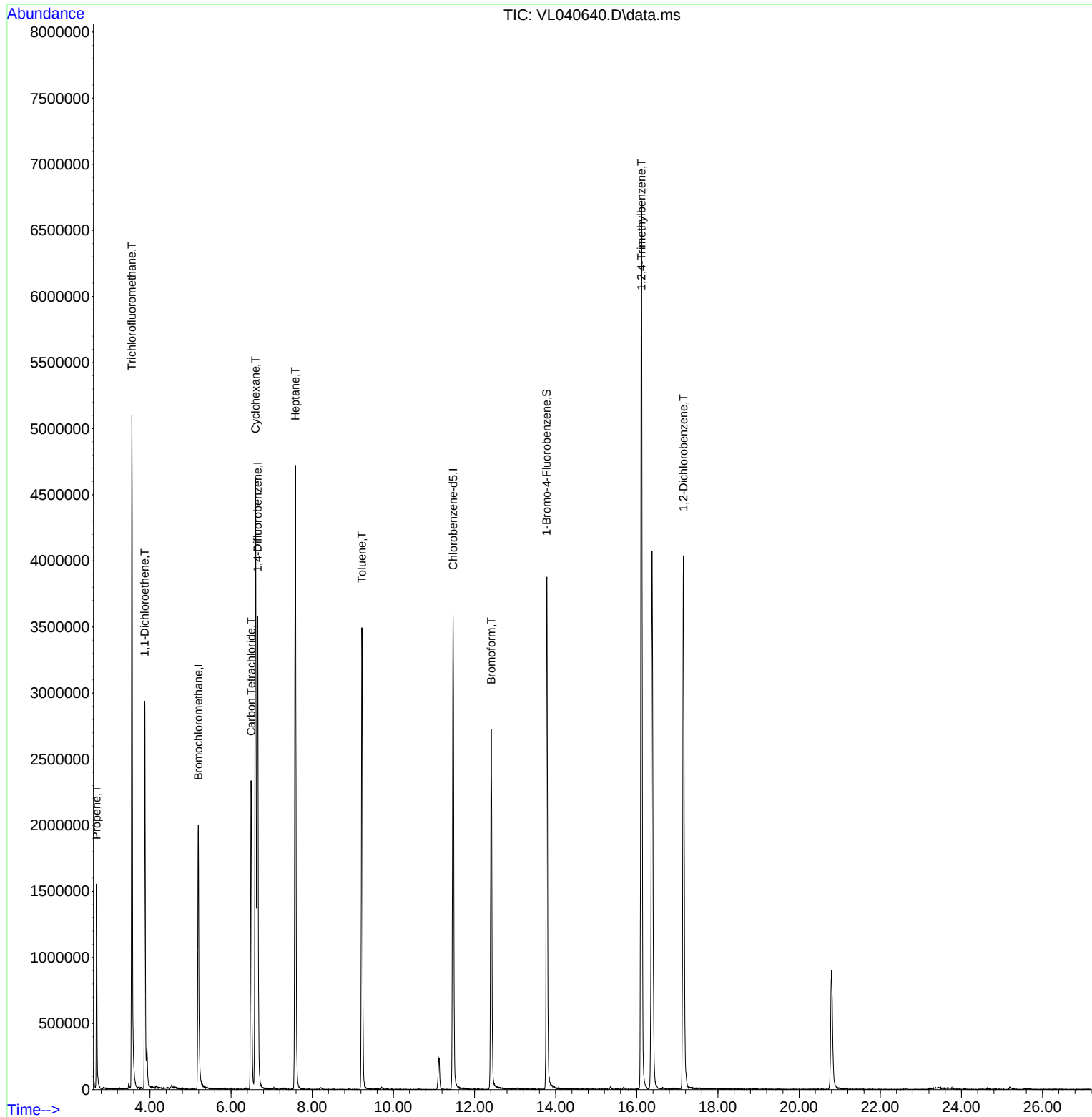
Internal Standards							
1) Bromochloromethane		5.192	49	935047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.655	114	2535327	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.471	117	2226674	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.780	95	1823133	10.295	ppbv	-0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds							
							Qvalue
9) Propene		2.684	41	578586	12.162	ppbv	99
10) Heptane		7.584	43	2105654	19.222	ppbv	99
11) Trichlorofluoromethane		3.555	101	3386772	20.830	ppbv	99
18) 1,1-Dichloroethene		3.873	96	889733	16.269	ppbv	92
30) Cyclohexane		6.603	84	1703842	21.427	ppbv	97
35) Carbon Tetrachloride		6.494	117	1440919	9.083	ppbv	100
49) Bromoform		12.413	173	1431869	13.174	ppbv	98
53) Toluene		9.224	91	2762835	12.890	ppbv	98
74) 1,2,4-Trimethylbenzene		16.114	105	5176670	18.921	ppbv	# 72
77) 1,2-Dichlorobenzene		17.149	146	2018547	12.970	ppbv	98

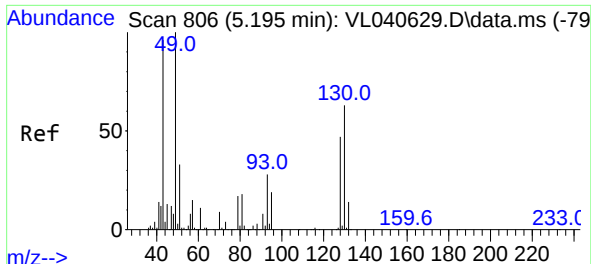
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 16 05:58:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

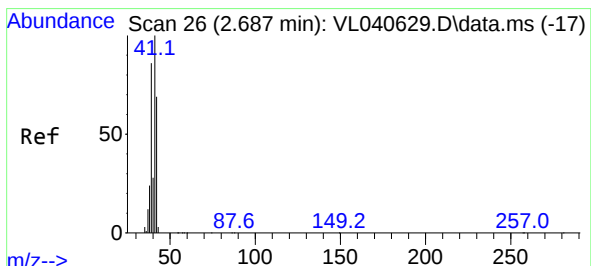
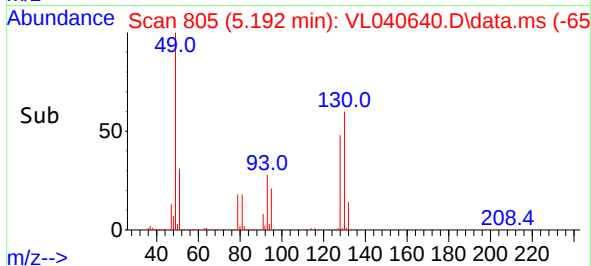
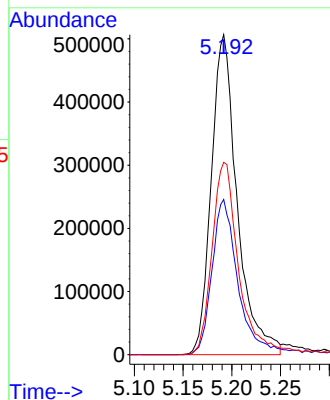
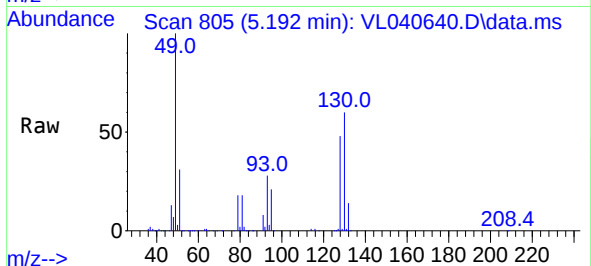




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

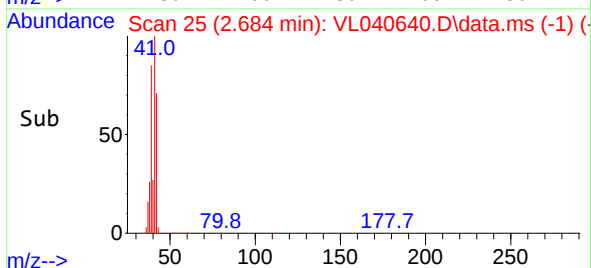
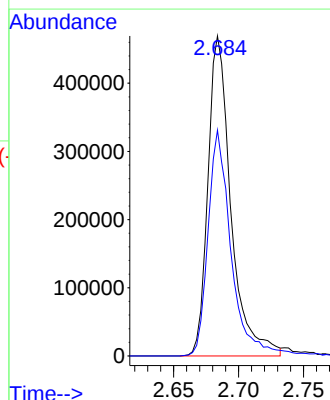
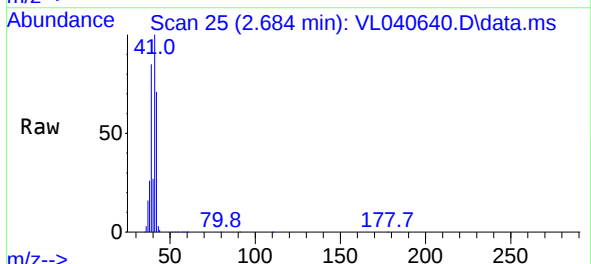
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

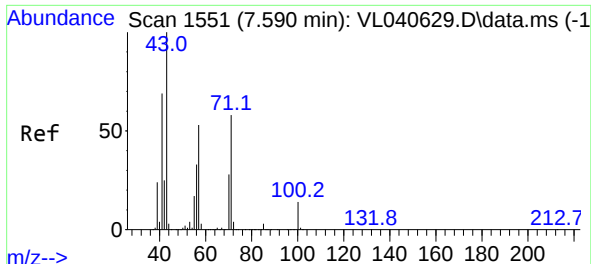
Tgt Ion: 49 Resp: 935047
Ion Ratio Lower Upper
49 100
128 50.5 24.9 74.7
130 64.3 32.2 96.6



#9
Propene
Concen: 12.162 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.003 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Tgt Ion: 41 Resp: 578586
Ion Ratio Lower Upper
41 100
42 71.7 56.5 84.7

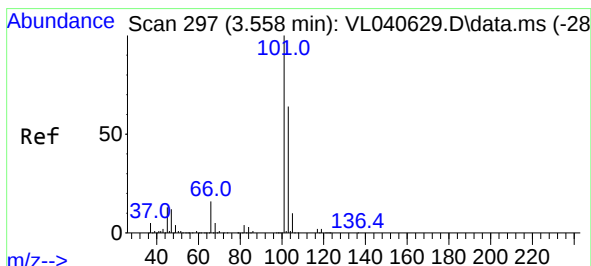
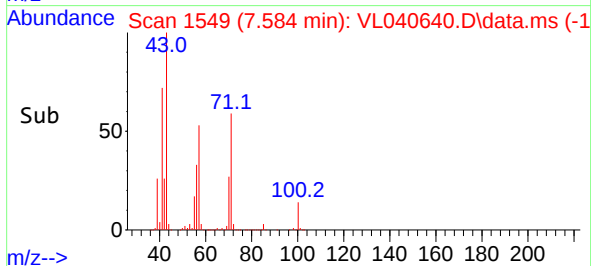
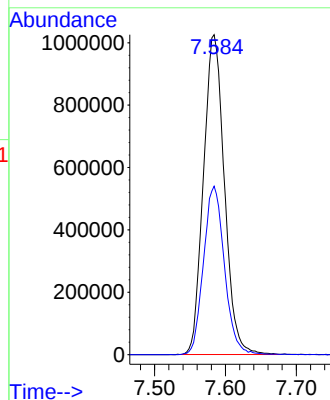
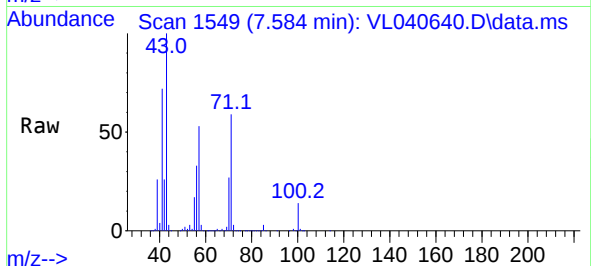




#10
Heptane
Concen: 19.222 ppbv
RT: 7.584 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

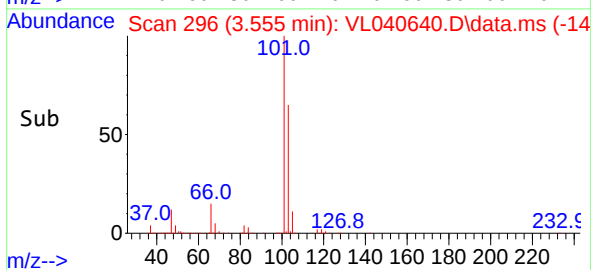
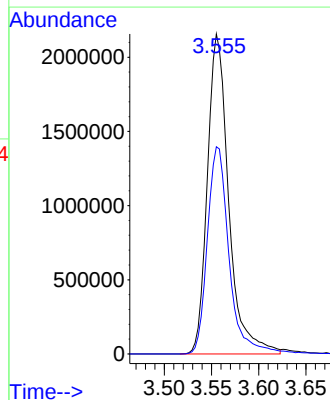
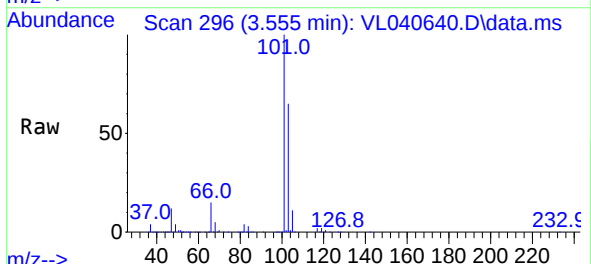
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL

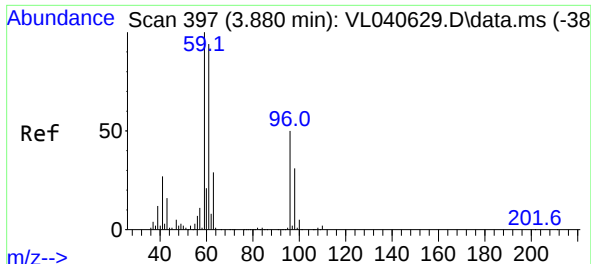
Tgt Ion: 43 Resp: 2105654
Ion Ratio Lower Upper
43 100
57 52.7 42.5 63.7



#11
Trichlorofluoromethane
Concen: 20.830 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.003 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Tgt Ion:101 Resp: 3386772
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#18

1,1-Dichloroethene

Concen: 16.269 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.007 min

Lab File: VL040640.D

Acq: 15 Aug 2023 20:08

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

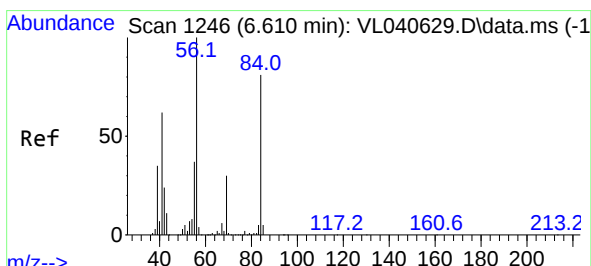
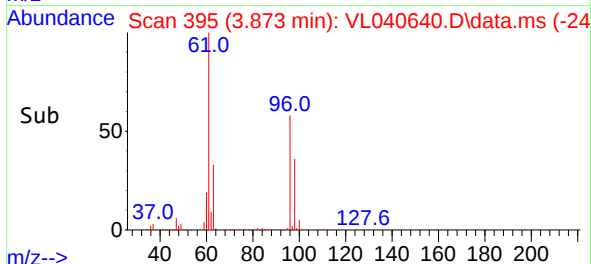
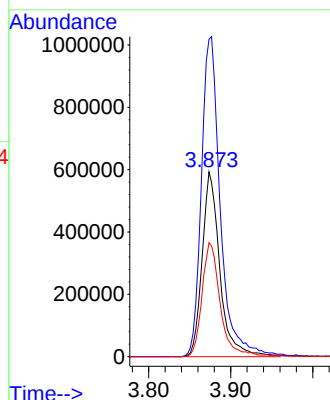
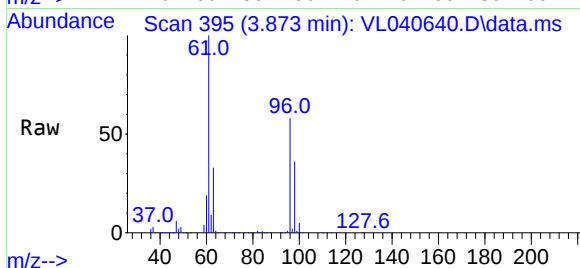
Tgt Ion: 96 Resp: 889733

Ion Ratio Lower Upper

96 100

61 171.8 150.4 225.6

98 61.8 49.7 74.5



#30

Cyclohexane

Concen: 21.427 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. -0.007 min

Lab File: VL040640.D

Acq: 15 Aug 2023 20:08

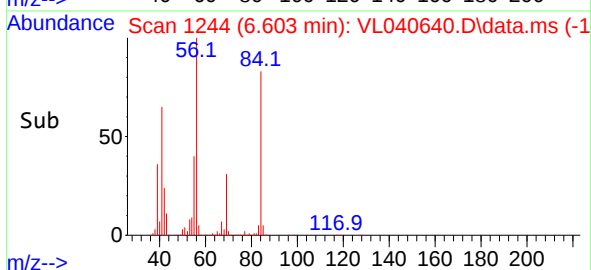
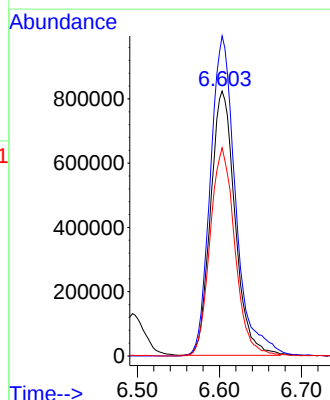
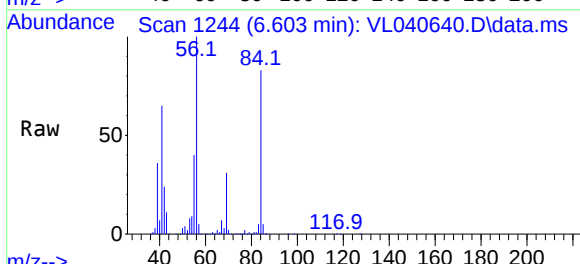
Tgt Ion: 84 Resp: 1703842

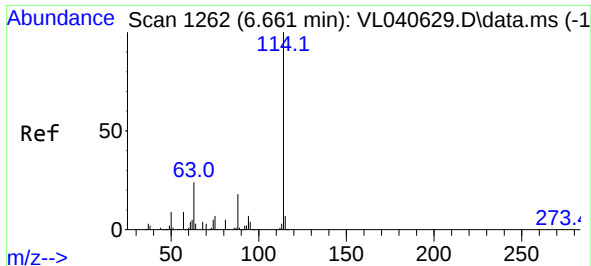
Ion Ratio Lower Upper

84 100

56 125.5 105.4 158.2

41 80.1 64.2 96.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040640.D

Acq: 15 Aug 2023 20:08

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL

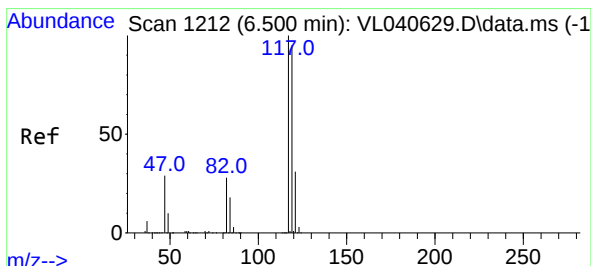
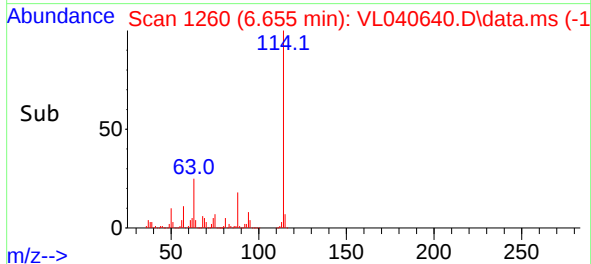
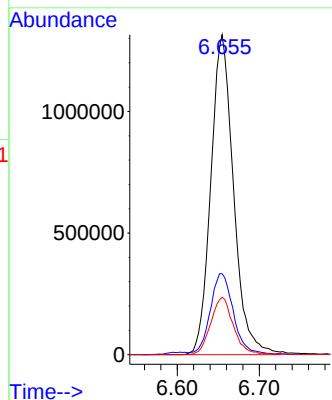
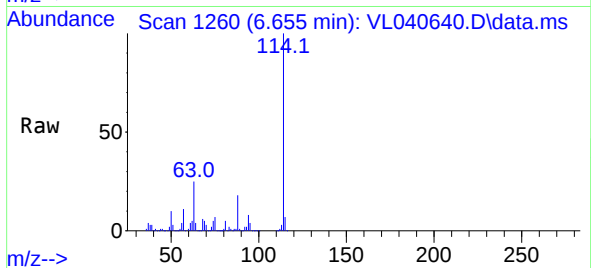
Tgt Ion:114 Resp: 2535327

Ion Ratio Lower Upper

114 100

63 26.9 20.2 30.2

88 18.0 14.1 21.1



#35

Carbon Tetrachloride

Concen: 9.083 ppbv

RT: 6.494 min Scan# 1210

Delta R.T. -0.007 min

Lab File: VL040640.D

Acq: 15 Aug 2023 20:08

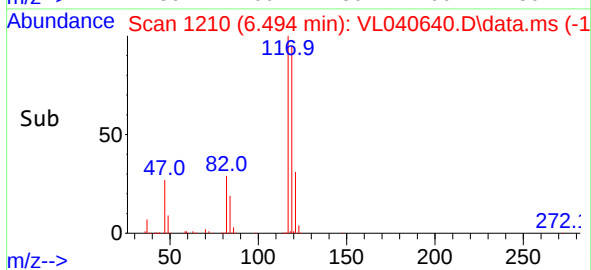
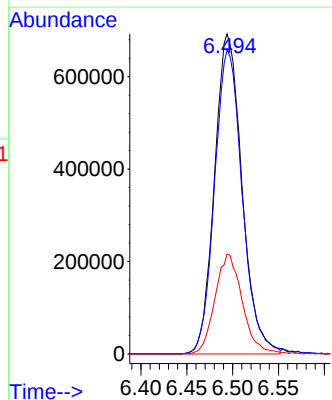
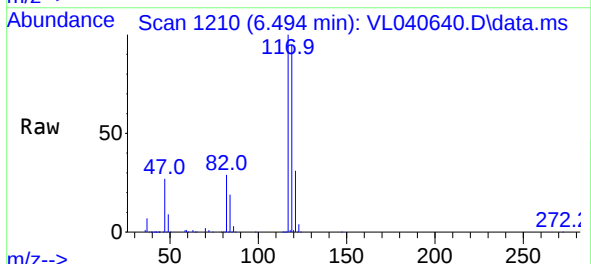
Tgt Ion:117 Resp: 1440919

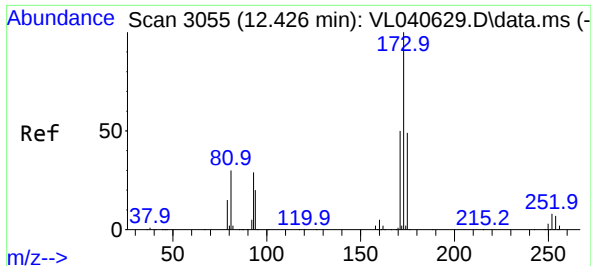
Ion Ratio Lower Upper

117 100

119 95.0 75.6 113.4

121 31.2 24.9 37.3

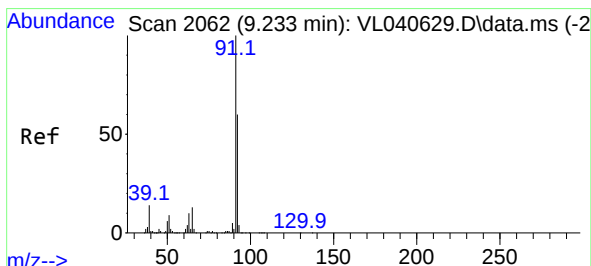
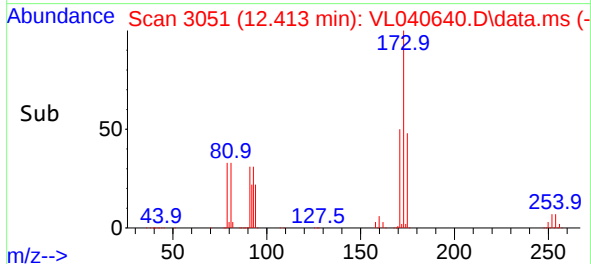
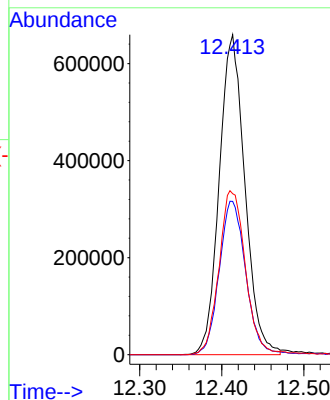
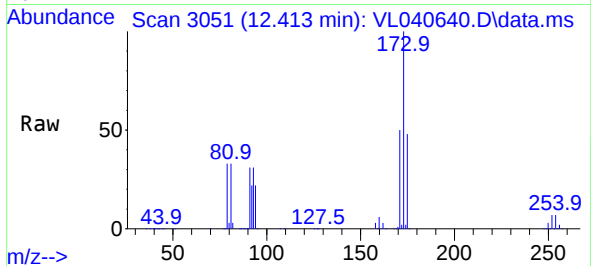




#49
Bromoform
Concen: 13.174 ppbv
RT: 12.413 min Scan# 3055
Delta R.T. -0.013 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

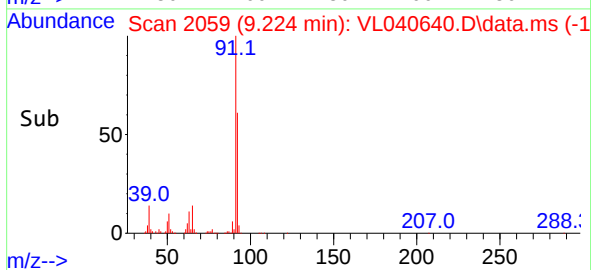
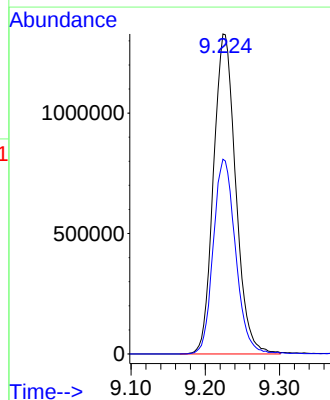
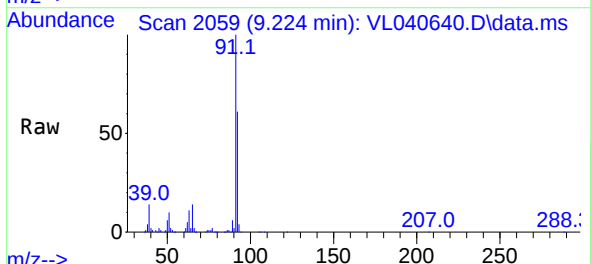
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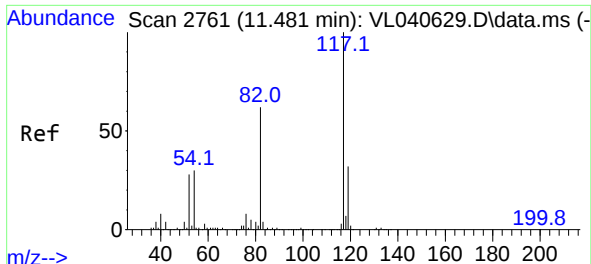
Tgt Ion:173 Resp: 1431869
Ion Ratio Lower Upper
173 100
175 49.7 39.0 58.6
171 53.6 41.9 62.9



#53
Toluene
Concen: 12.890 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.010 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Tgt Ion: 91 Resp: 2762835
Ion Ratio Lower Upper
91 100
92 61.1 48.0 72.0

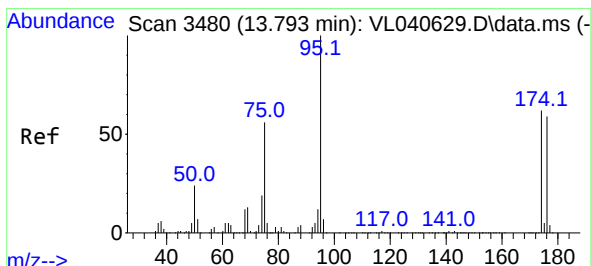
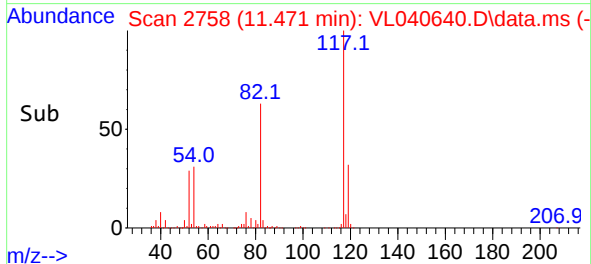
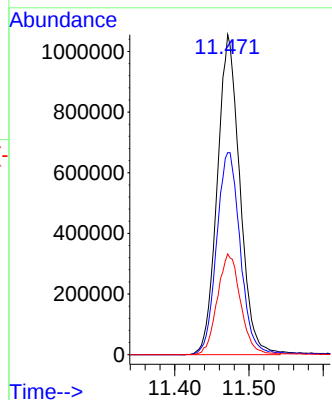
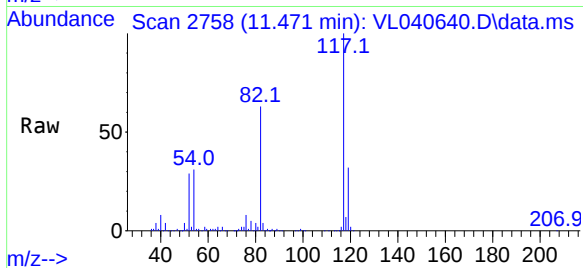




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

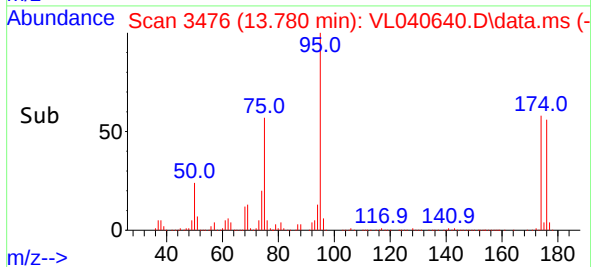
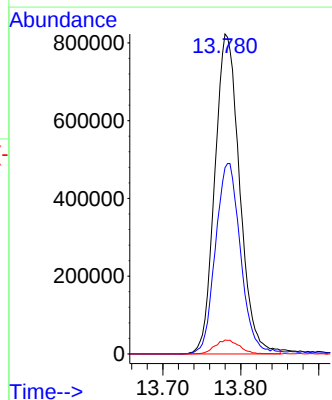
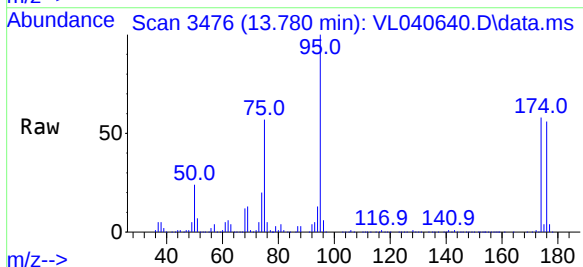
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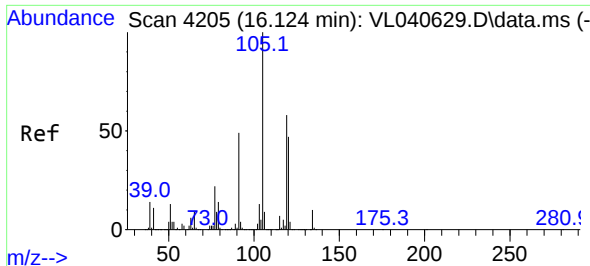
Tgt Ion:117 Resp: 2226674
Ion Ratio Lower Upper
117 100
82 66.8 49.5 74.3
119 32.4 24.5 36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.295 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Tgt Ion: 95 Resp: 1823133
Ion Ratio Lower Upper
95 100
174 61.1 49.1 73.7
175 4.4 3.7 5.5

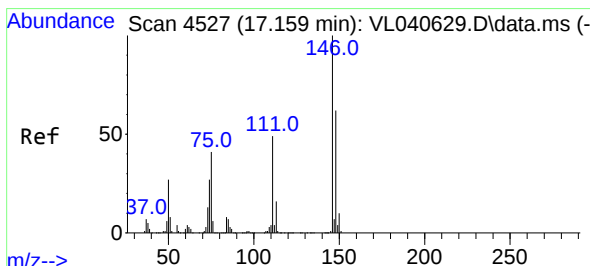
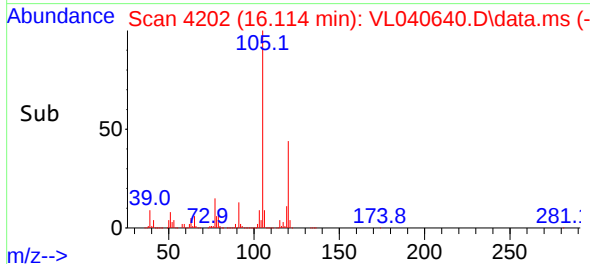
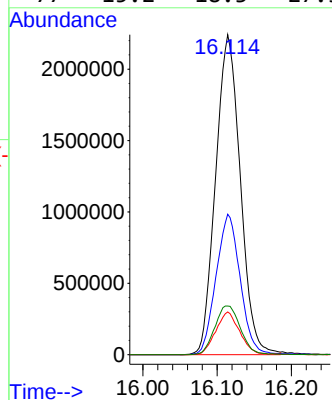
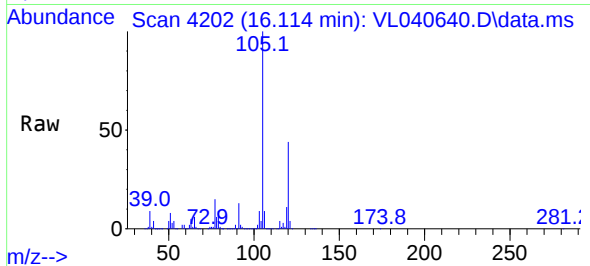




#74
1,2,4-Trimethylbenzene
Concen: 18.921 ppbv
RT: 16.114 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Instrument :
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Tgt Ion:105 Resp: 5176670
Ion Ratio Lower Upper
105 100
120 43.9 37.7 56.5
91 13.3 41.2 61.8#
77 15.2 18.3 27.5#



#77
1,2-Dichlorobenzene
Concen: 12.970 ppbv
RT: 17.149 min Scan# 4524
Delta R.T. -0.010 min
Lab File: VL040640.D
Acq: 15 Aug 2023 20:08

Tgt Ion:146 Resp: 2018547
Ion Ratio Lower Upper
146 100
111 51.9 24.6 74.0
148 65.4 32.1 96.5

