

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040641.D
 Acq On : 15 Aug 2023 20:49
 Operator : SY/MD
 Sample : 03861-01DL2 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E065-1100DL2

Quant Time: Aug 16 05:58:40 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)

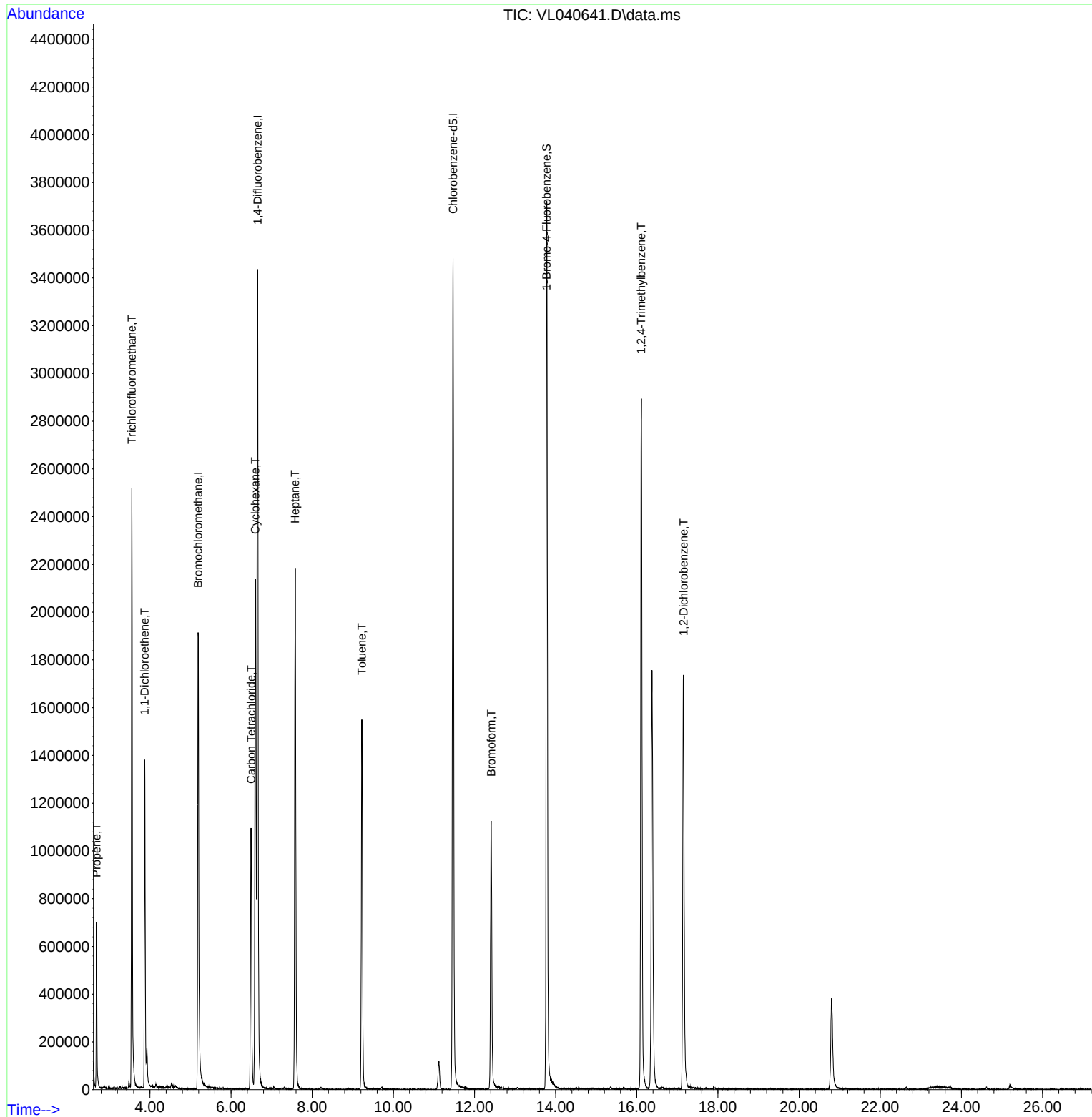
Internal Standards							
1) Bromochloromethane		5.189	49	923223	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.652	114	2452672	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.471	117	2134196	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.780	95	1725898	10.168	ppbv	-0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds							
							Qvalue
9) Propene		2.684	41	260647	5.549	ppbv	100
10) Heptane		7.581	43	919710	8.503	ppbv	99
11) Trichlorofluoromethane		3.555	101	1663164	10.360	ppbv	98
18) 1,1-Dichloroethene		3.874	96	402420	7.452	ppbv	99
30) Cyclohexane		6.600	84	735999	9.374	ppbv	98
35) Carbon Tetrachloride		6.494	117	655694	4.273	ppbv	99
49) Bromoform		12.410	173	599482	5.701	ppbv	99
53) Toluene		9.224	91	1164009	5.614	ppbv	99
74) 1,2,4-Trimethylbenzene		16.111	105	2268039	8.649	ppbv	# 70
77) 1,2-Dichlorobenzene		17.153	146	858036	5.752	ppbv	99

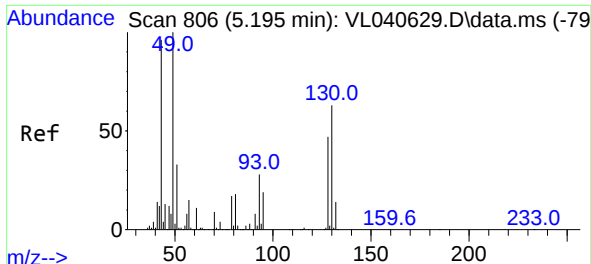
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

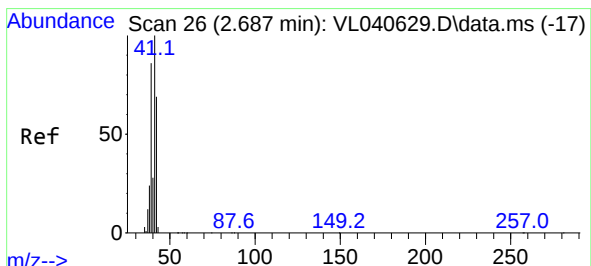
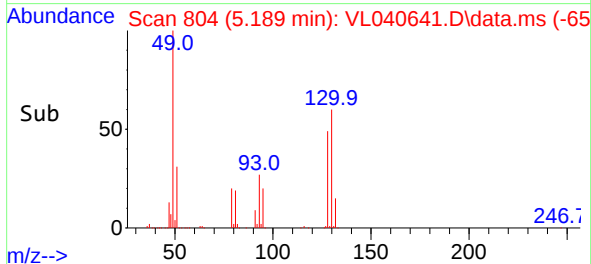
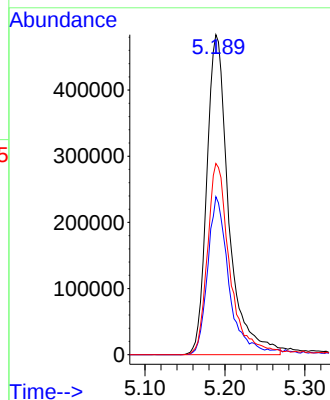
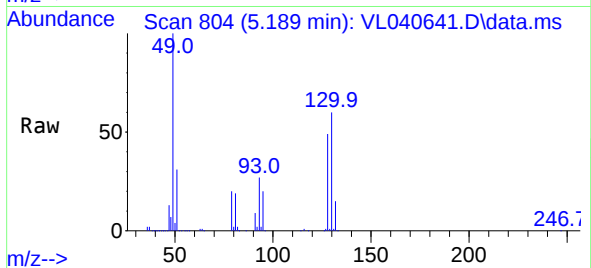




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

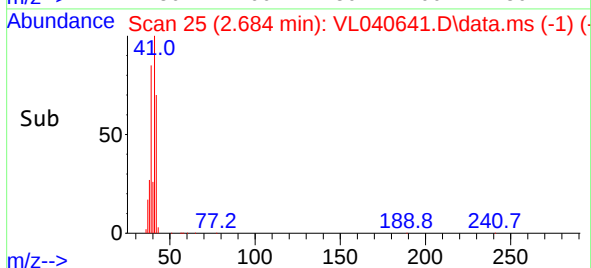
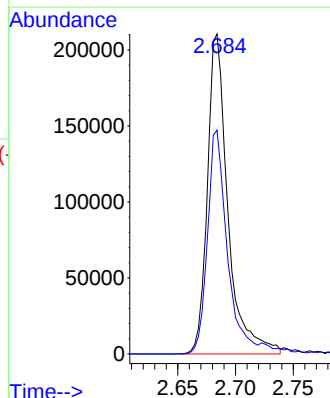
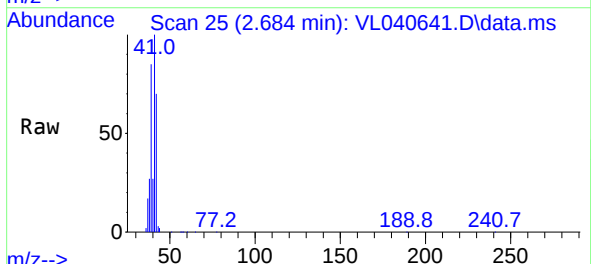
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL2

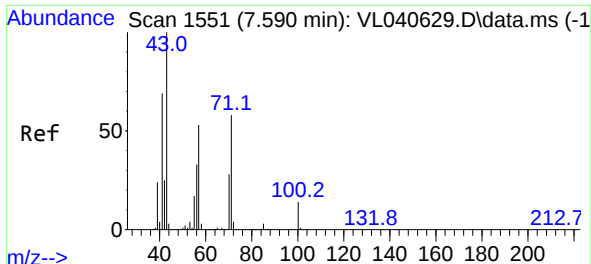
Tgt Ion: 49 Resp: 923223
Ion Ratio Lower Upper
49 100
128 50.3 24.9 74.7
130 62.0 32.2 96.6



#9
Propene
Concen: 5.549 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.003 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion: 41 Resp: 260647
Ion Ratio Lower Upper
41 100
42 70.8 56.5 84.7

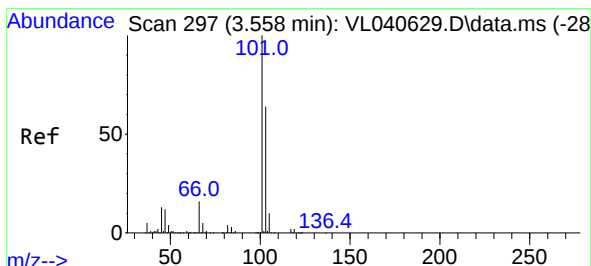
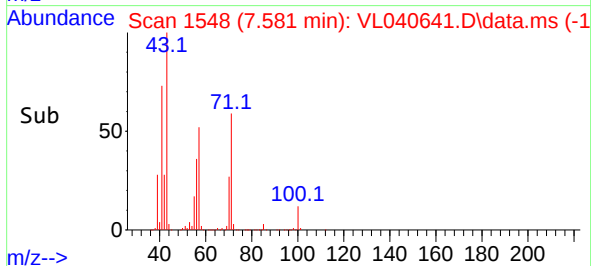
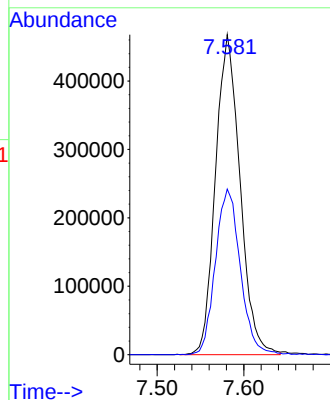
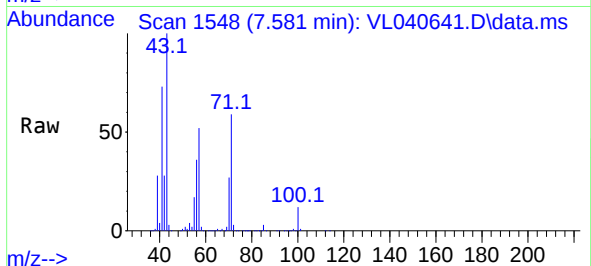




#10
Heptane
Concen: 8.503 ppbv
RT: 7.581 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

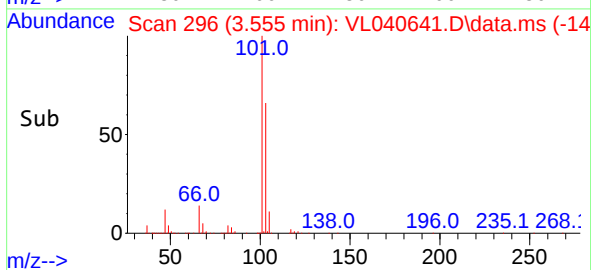
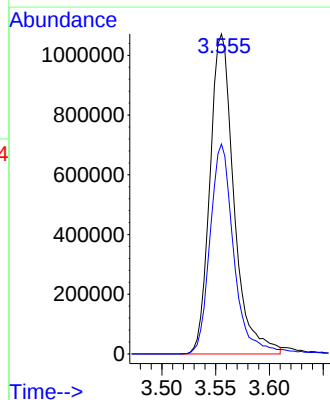
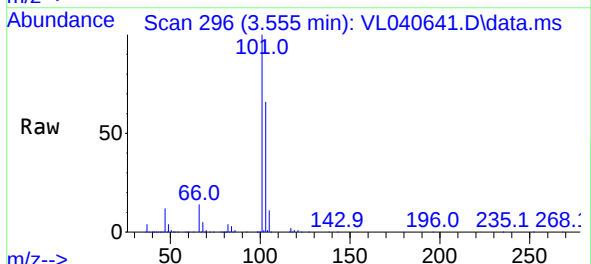
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL2

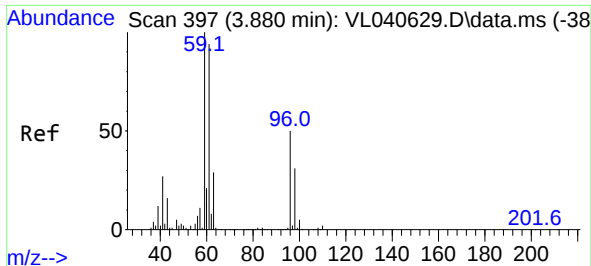
Tgt Ion: 43 Resp: 919710
Ion Ratio Lower Upper
43 100
57 52.7 42.5 63.7



#11
Trichlorofluoromethane
Concen: 10.360 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.003 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion:101 Resp: 1663164
Ion Ratio Lower Upper
101 100
103 65.6 51.1 76.7

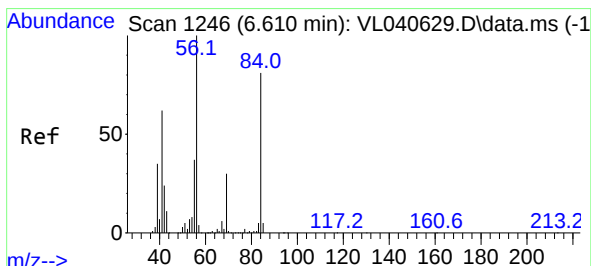
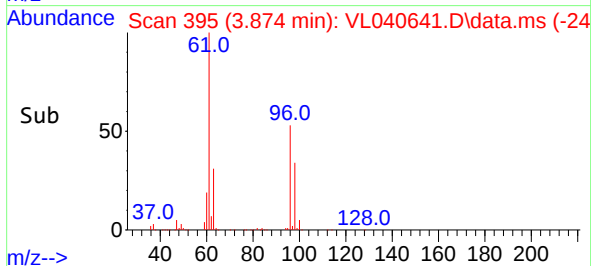
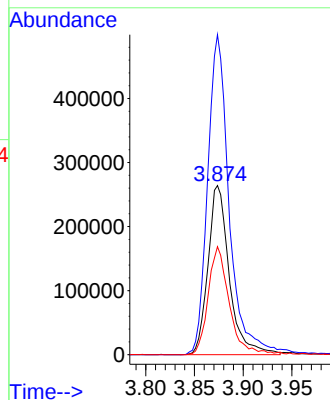
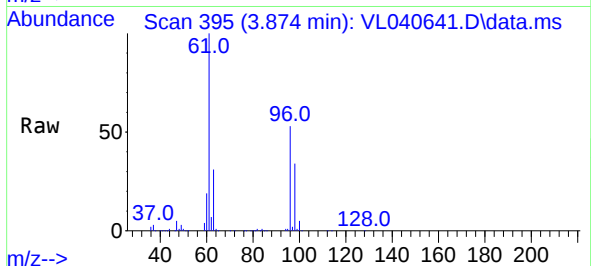




#18
1,1-Dichloroethene
Concen: 7.452 ppbv
RT: 3.874 min Scan# 397
Delta R.T. -0.006 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

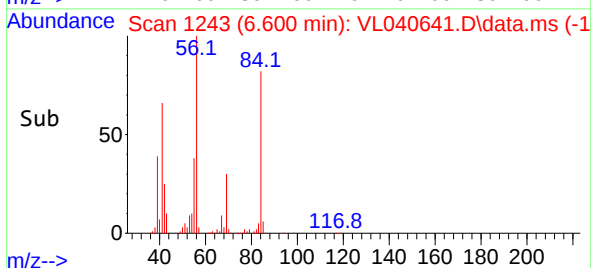
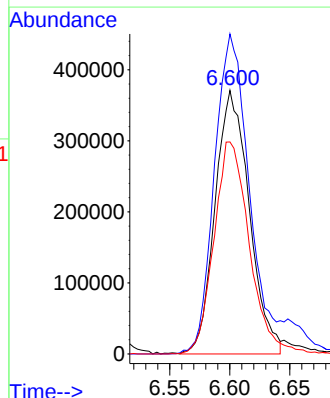
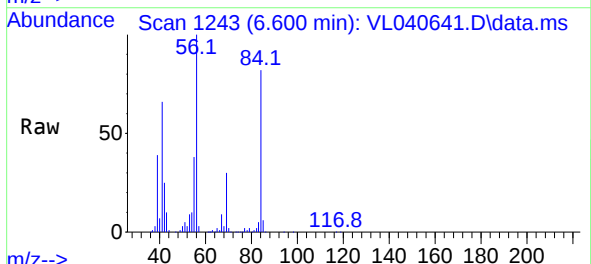
Instrument :
MSVOA_L
ClientSampleId :
E065-1100DL2

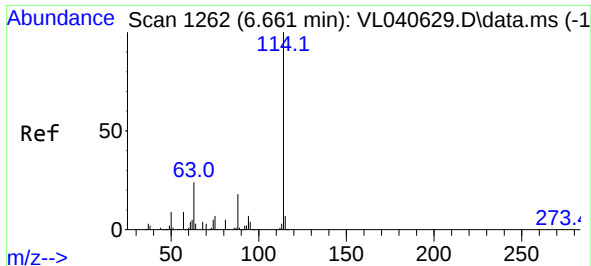
Tgt Ion: 96 Resp: 402420
Ion Ratio Lower Upper
96 100
61 189.2 150.4 225.6
98 63.9 49.7 74.5



#30
Cyclohexane
Concen: 9.374 ppbv
RT: 6.600 min Scan# 1243
Delta R.T. -0.010 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion: 84 Resp: 735999
Ion Ratio Lower Upper
84 100
56 133.0 105.4 158.2
41 83.8 64.2 96.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040641.D

Acq: 15 Aug 2023 20:49

Instrument :

MSVOA_L

ClientSampleId :

E065-1100DL2

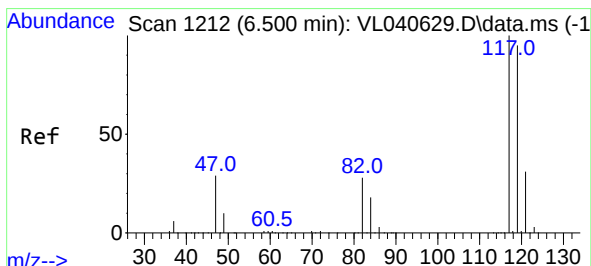
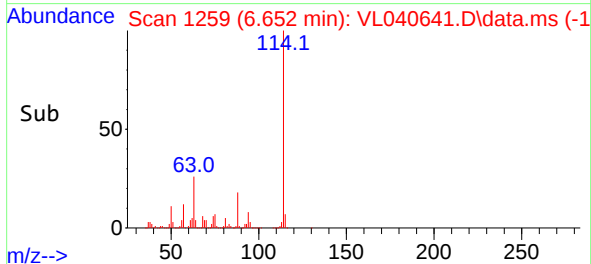
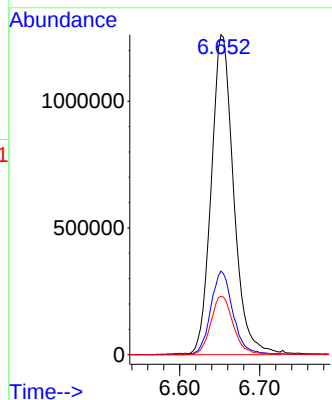
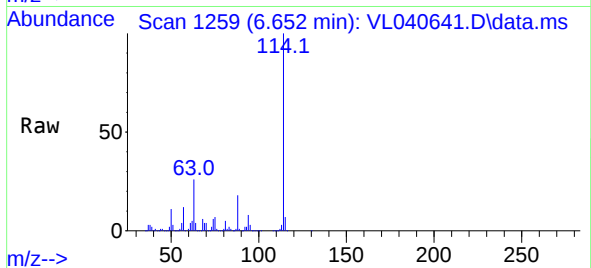
Tgt Ion:114 Resp: 2452672

Ion Ratio Lower Upper

114 100

63 26.5 20.2 30.2

88 18.5 14.1 21.1



#35

Carbon Tetrachloride

Concen: 4.273 ppbv

RT: 6.494 min Scan# 1210

Delta R.T. -0.006 min

Lab File: VL040641.D

Acq: 15 Aug 2023 20:49

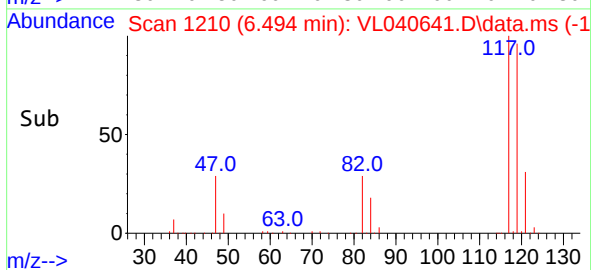
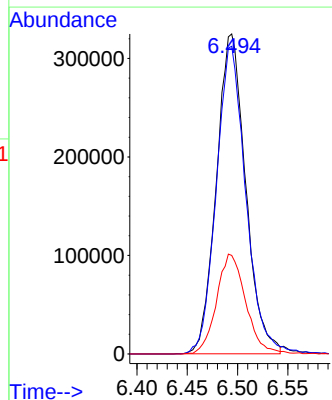
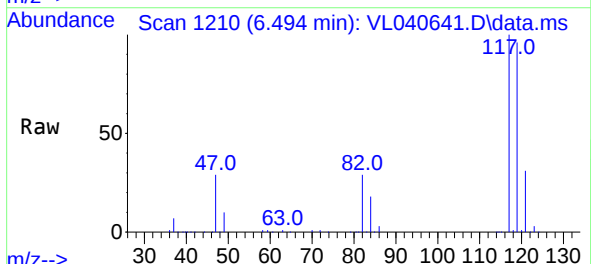
Tgt Ion:117 Resp: 655694

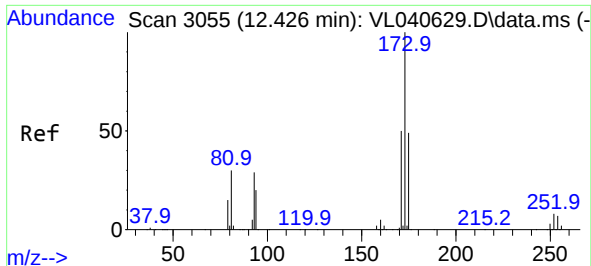
Ion Ratio Lower Upper

117 100

119 96.1 75.6 113.4

121 30.9 24.9 37.3

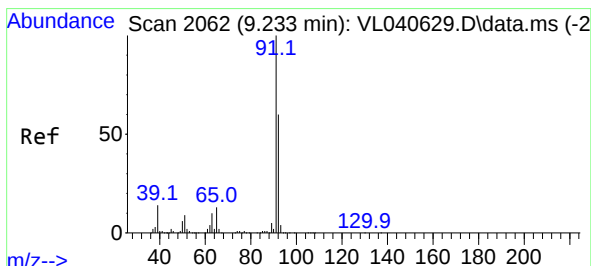
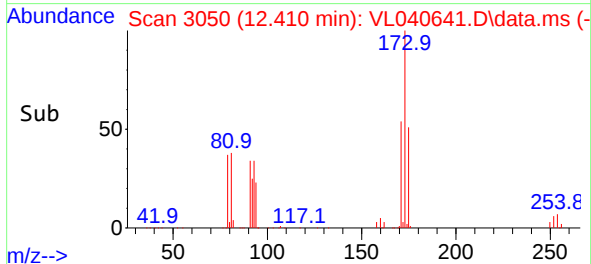
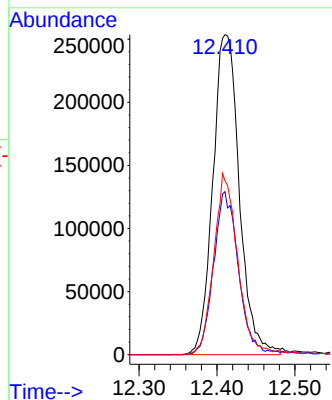
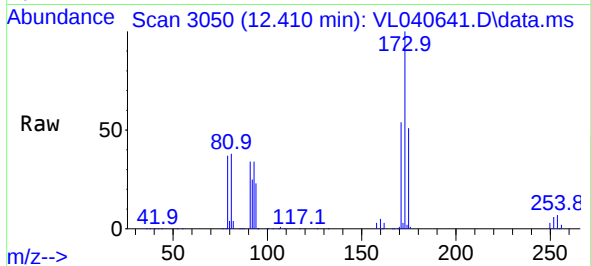




#49
Bromoform
Concen: 5.701 ppbv
RT: 12.410 min Scan# 3055
Delta R.T. -0.016 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

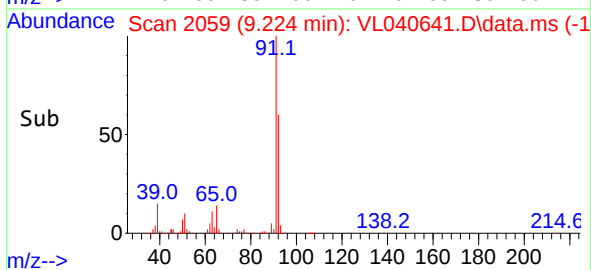
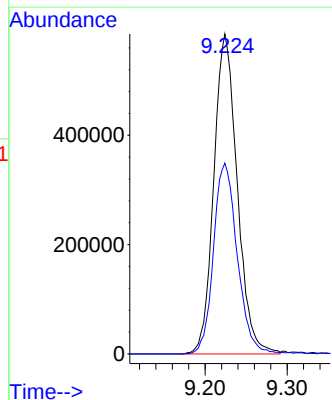
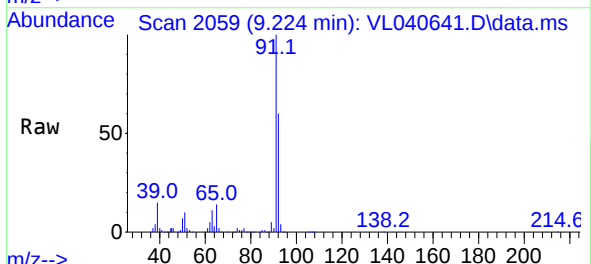
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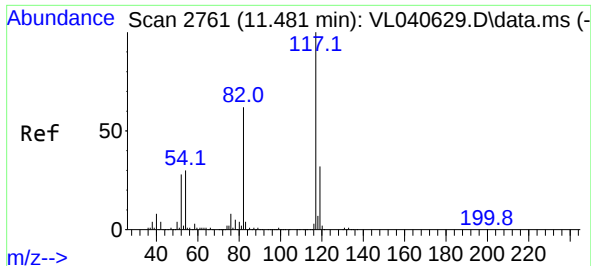
Tgt Ion:173 Resp: 599482
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
171 51.6 41.9 62.9



#53
Toluene
Concen: 5.614 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.010 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion: 91 Resp: 1164009
Ion Ratio Lower Upper
91 100
92 60.8 48.0 72.0

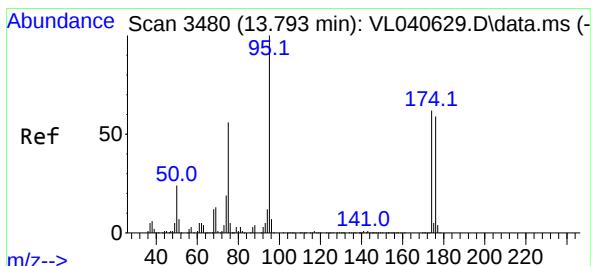
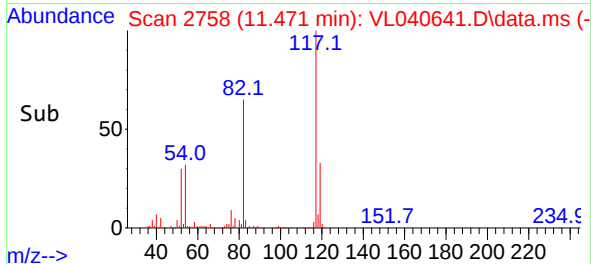
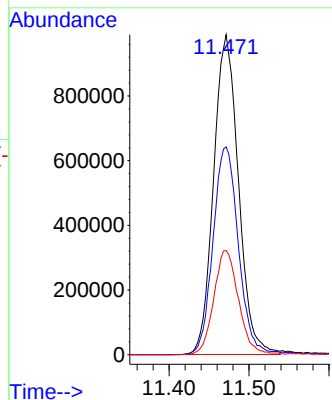
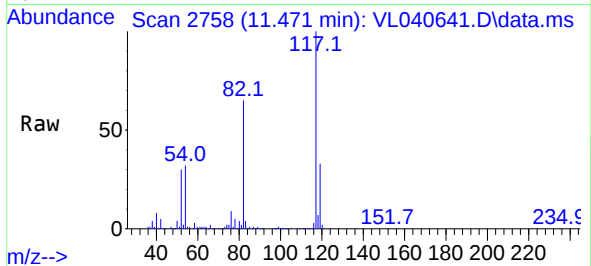




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

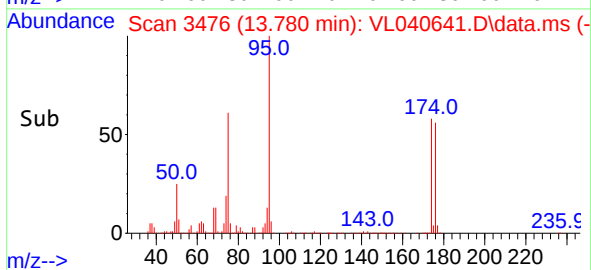
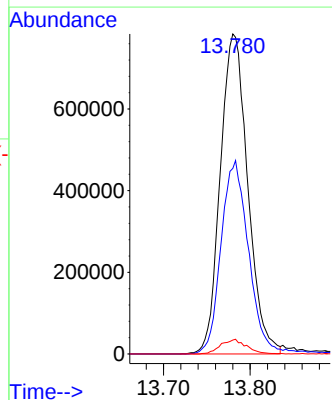
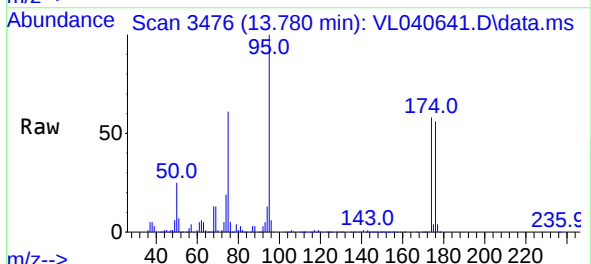
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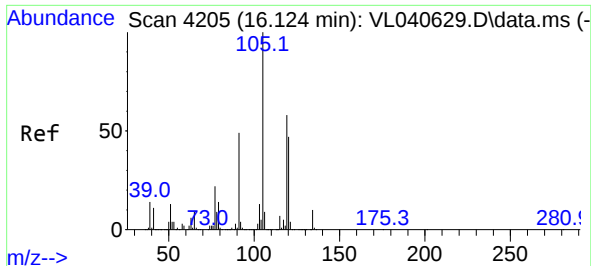
Tgt Ion:117 Resp: 2134196
Ion Ratio Lower Upper
117 100
82 67.0 49.5 74.3
119 32.8 24.5 36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.168 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion: 95 Resp: 1725898
Ion Ratio Lower Upper
95 100
174 61.3 49.1 73.7
175 4.3 3.7 5.5

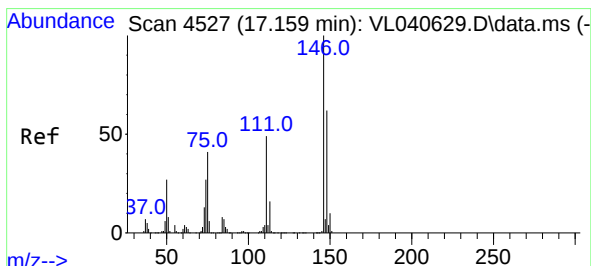
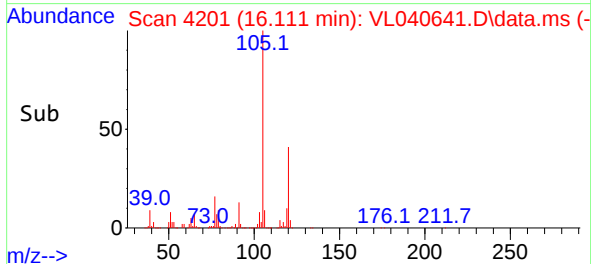
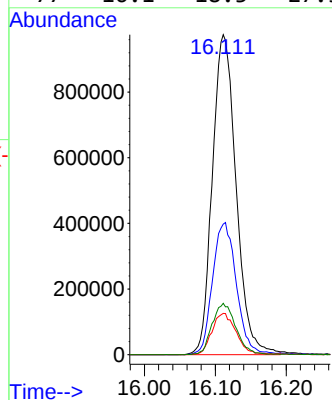
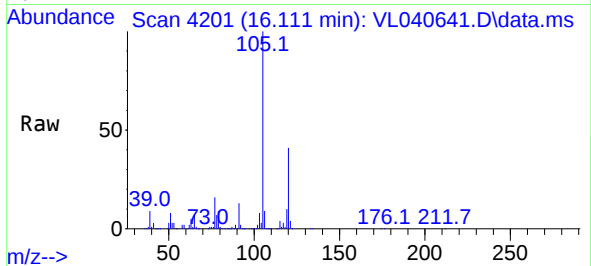




#74
1,2,4-Trimethylbenzene
Concen: 8.649 ppbv
RT: 16.111 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Instrument :
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Tgt Ion:105 Resp: 2268039
Ion Ratio Lower Upper
105 100
120 40.8 37.7 56.5
91 12.9 41.2 61.8#
77 16.1 18.3 27.5#



#77
1,2-Dichlorobenzene
Concen: 5.752 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.006 min
Lab File: VL040641.D
Acq: 15 Aug 2023 20:49

Tgt Ion:146 Resp: 858036
Ion Ratio Lower Upper
146 100
111 50.7 24.6 74.0
148 64.5 32.1 96.5

