

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040718.D
 Acq On : 19 Sep 2023 3:45
 Operator : SY/MD
 Sample : 04495-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 M-SIDEDL

Quant Time: Sep 19 05:26:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

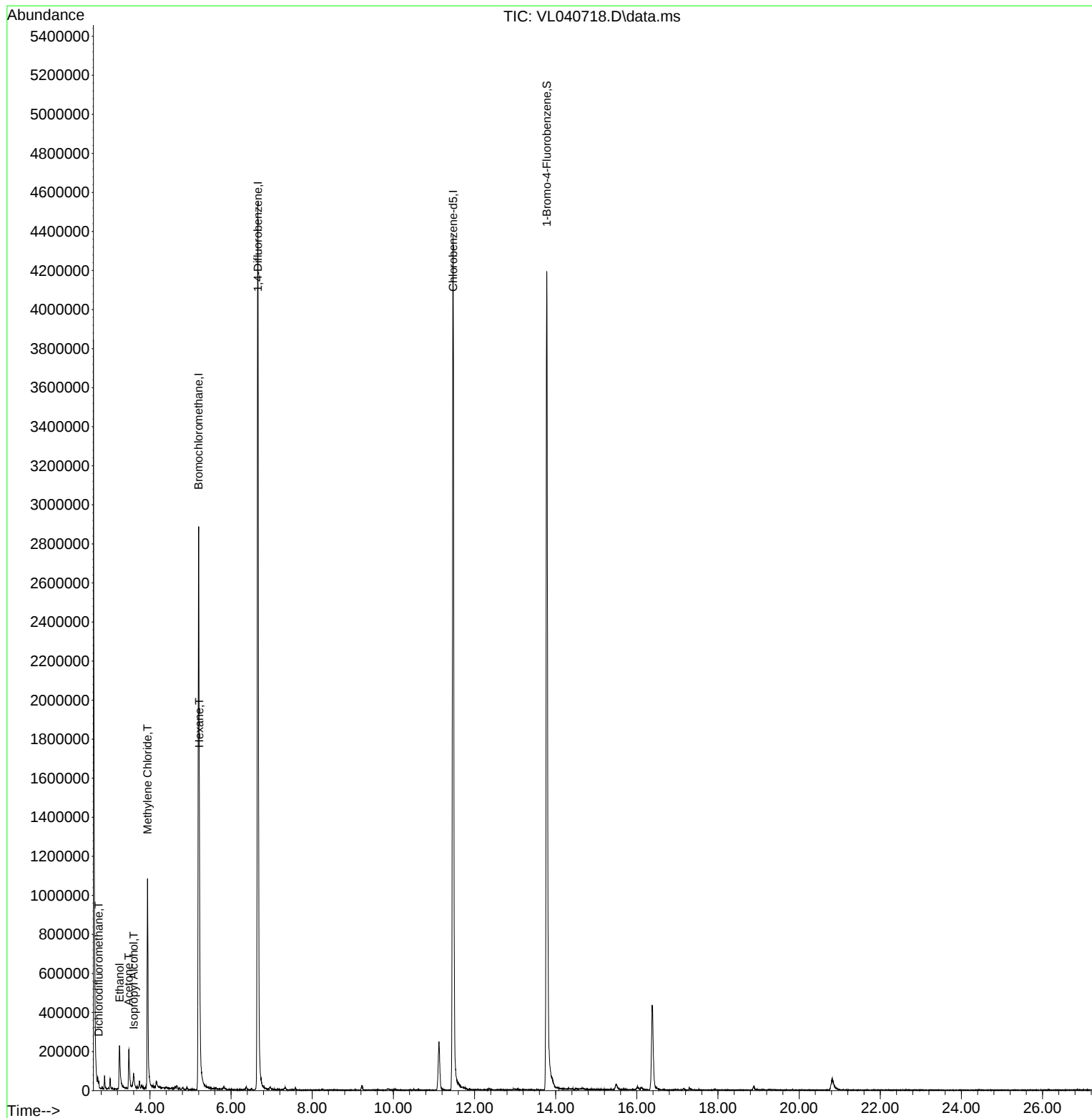
Internal Standards						
1) Bromochloromethane	5.198	49	1320249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3620165	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3043232	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2223737	9.458	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
2) Dichlorodifluoromethane	2.739	85	20139	0.069	ppbv	99
13) Ethanol	3.253	45	260494	14.204	ppbv	100
15) Acetone	3.478	43	185781	1.067	ppbv	91
19) Isopropyl Alcohol	3.600	45	86347	0.823	ppbv #	98
20) Methylene Chloride	3.941	84	353845	3.775	ppbv	97
26) Hexane	5.218	57	269184	2.027	ppbv #	39

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

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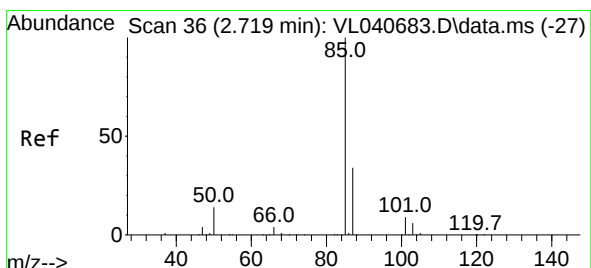
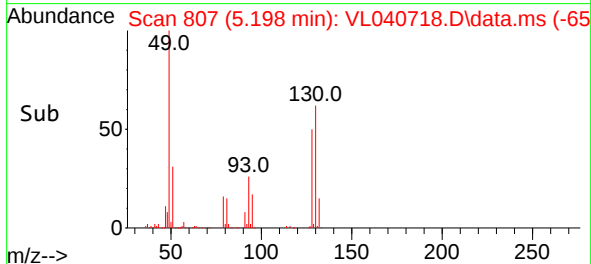
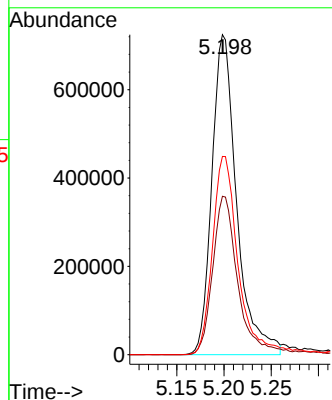
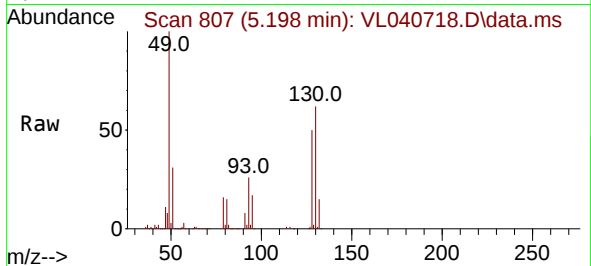




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

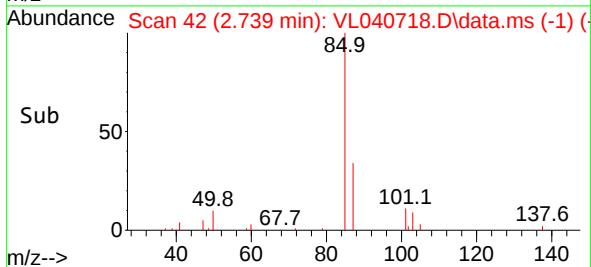
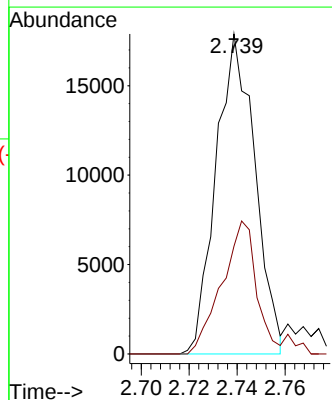
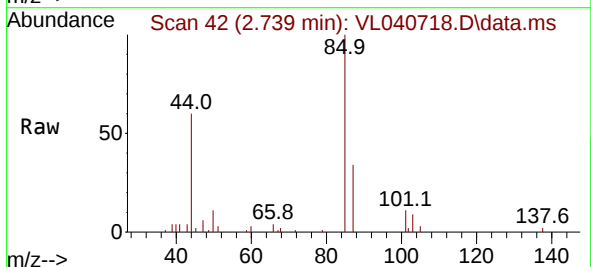
Instrument :
MSVOA_L
ClientSampleId :
M-SIDEDL

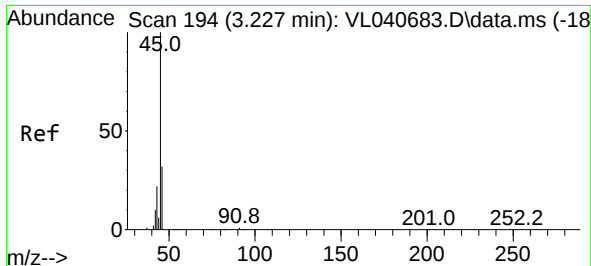
Tgt Ion: 49 Resp: 1320249
Ion Ratio Lower Upper
49 100
128 51.9 25.4 76.0
130 66.7 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.069 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.007 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Tgt Ion: 85 Resp: 20139
Ion Ratio Lower Upper
85 100
87 33.6 27.2 40.8

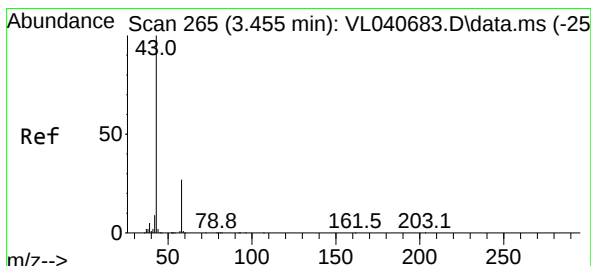
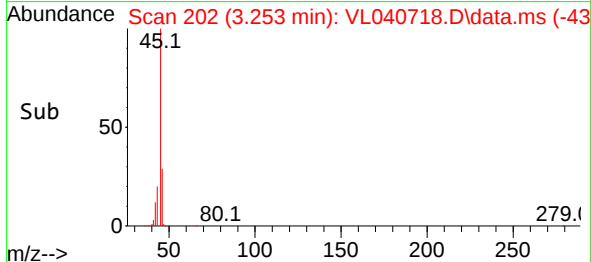
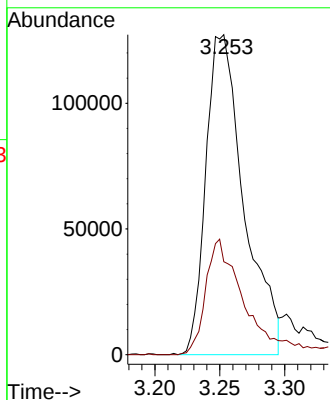
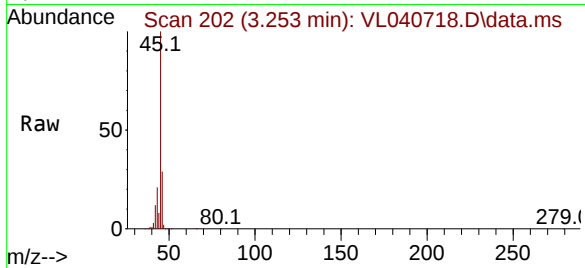




#13
Ethanol
Concen: 14.204 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

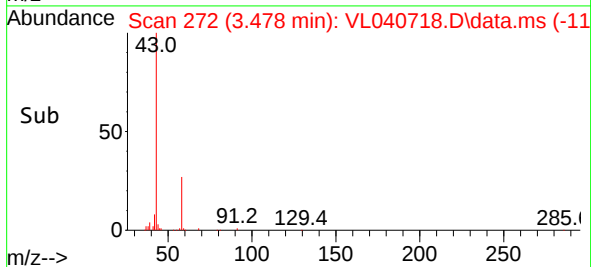
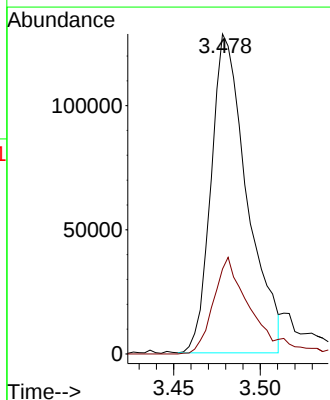
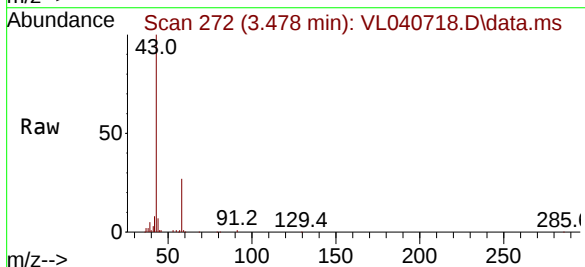
Instrument :
MSVOA_L
ClientSampleId :
M-SIDEDL

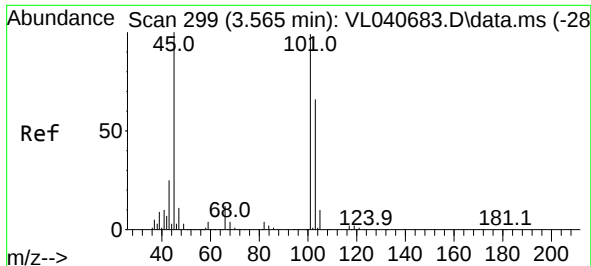
Tgt Ion: 45 Resp: 260494
Ion Ratio Lower Upper
45 100
46 38.1 15.2 61.0



#15
Acetone
Concen: 1.067 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.007 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Tgt Ion: 43 Resp: 185781
Ion Ratio Lower Upper
43 100
58 33.3 22.6 34.0





#19

Isopropyl Alcohol

Concen: 0.823 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.023 min

Lab File: VL040718.D

Acq: 19 Sep 2023 3:45

Instrument :

MSVOA_L

ClientSampleId :

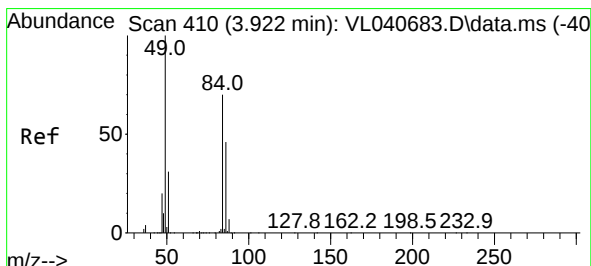
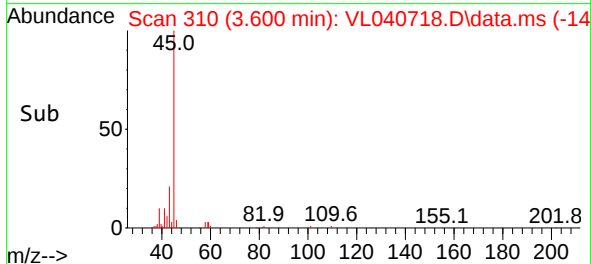
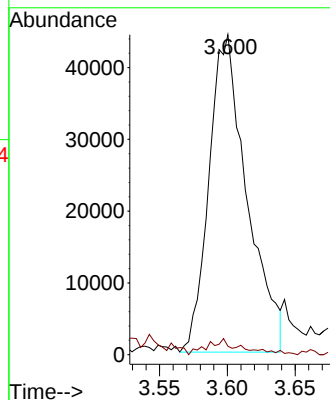
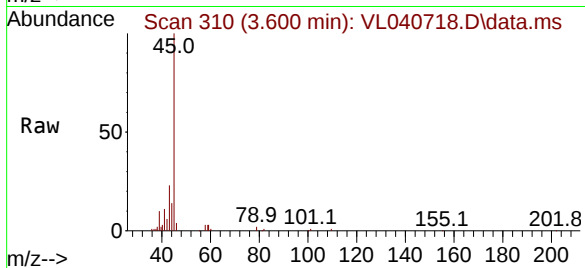
M-SIDEDL

Tgt Ion: 45 Resp: 86347

Ion Ratio Lower Upper

45 100

58 3.1 1.9 2.9#



#20

Methylene Chloride

Concen: 3.775 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.003 min

Lab File: VL040718.D

Acq: 19 Sep 2023 3:45

Tgt Ion: 84 Resp: 353845

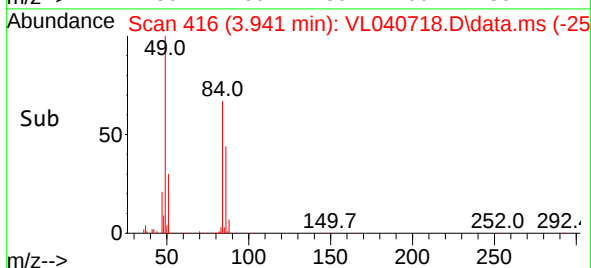
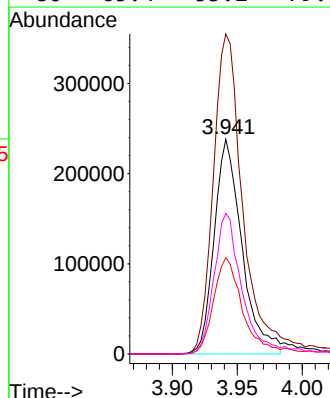
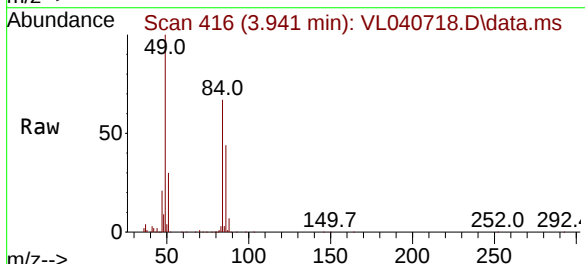
Ion Ratio Lower Upper

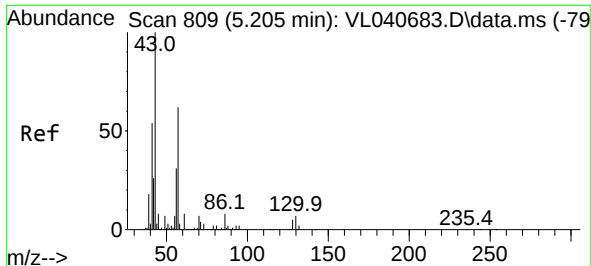
84 100

49 149.0 114.4 171.6

51 44.8 35.5 53.3

86 65.4 53.2 79.8

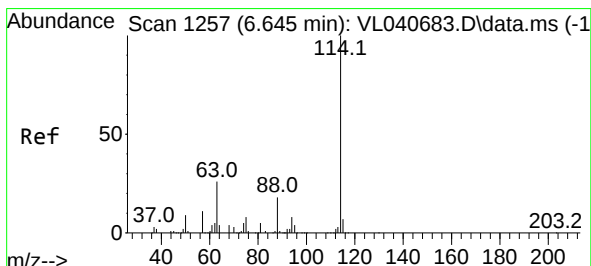
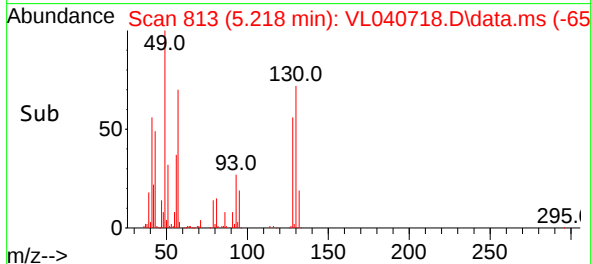
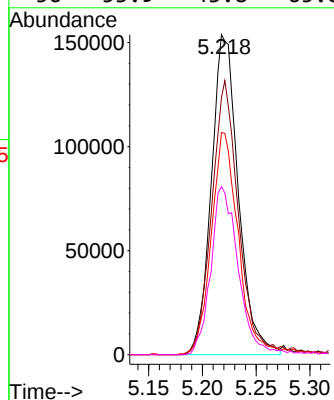
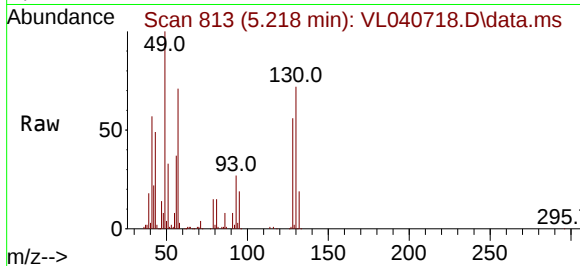




#26
Hexane
Concen: 2.027 ppbv
RT: 5.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

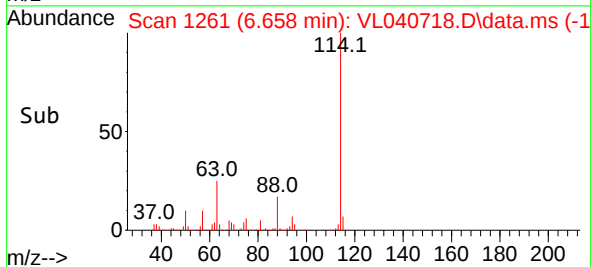
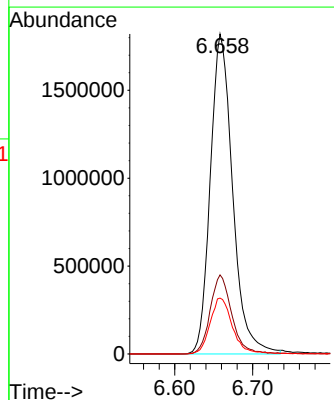
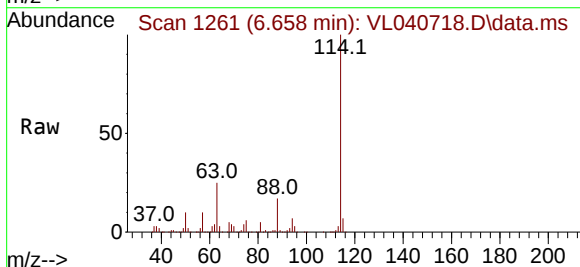
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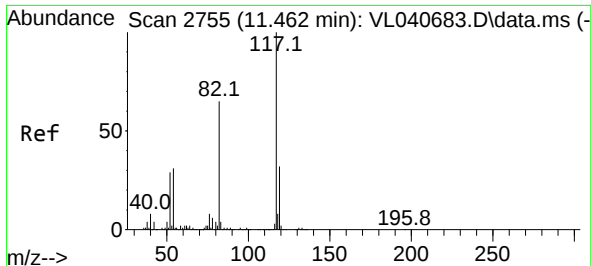
Tgt Ion: 57 Resp: 269184
Ion Ratio Lower Upper
57 100
41 86.7 75.2 112.8
43 70.6 185.6 278.4#
56 53.9 43.8 65.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Tgt Ion: 114 Resp: 3620165
Ion Ratio Lower Upper
114 100
63 24.1 21.1 31.7
88 17.6 14.5 21.7

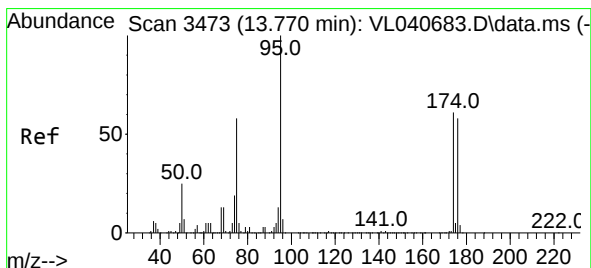
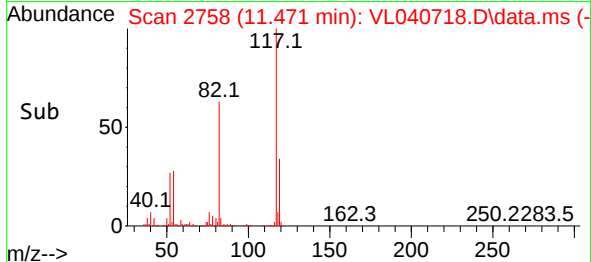
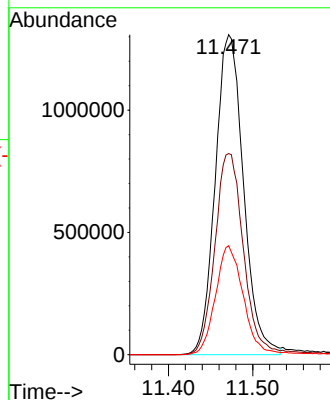
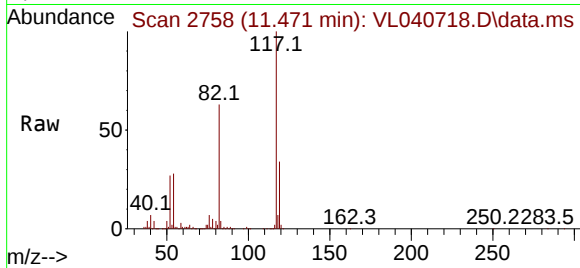




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Instrument :
MSVOA_L
ClientSampleId :
M-SIDEDL

Tgt Ion:117 Resp: 3043232
Ion Ratio Lower Upper
117 100
82 64.5 51.4 77.0
119 34.0 24.7 37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.458 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.006 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Tgt Ion: 95 Resp: 2223737
Ion Ratio Lower Upper
95 100
174 67.4 48.9 73.3
175 4.9 3.5 5.3

