

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040718.D
 Acq On : 19 Sep 2023 3:45
 Operator : SY/MD
 Sample : 04495-02DL 10X
 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 T0-15 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)

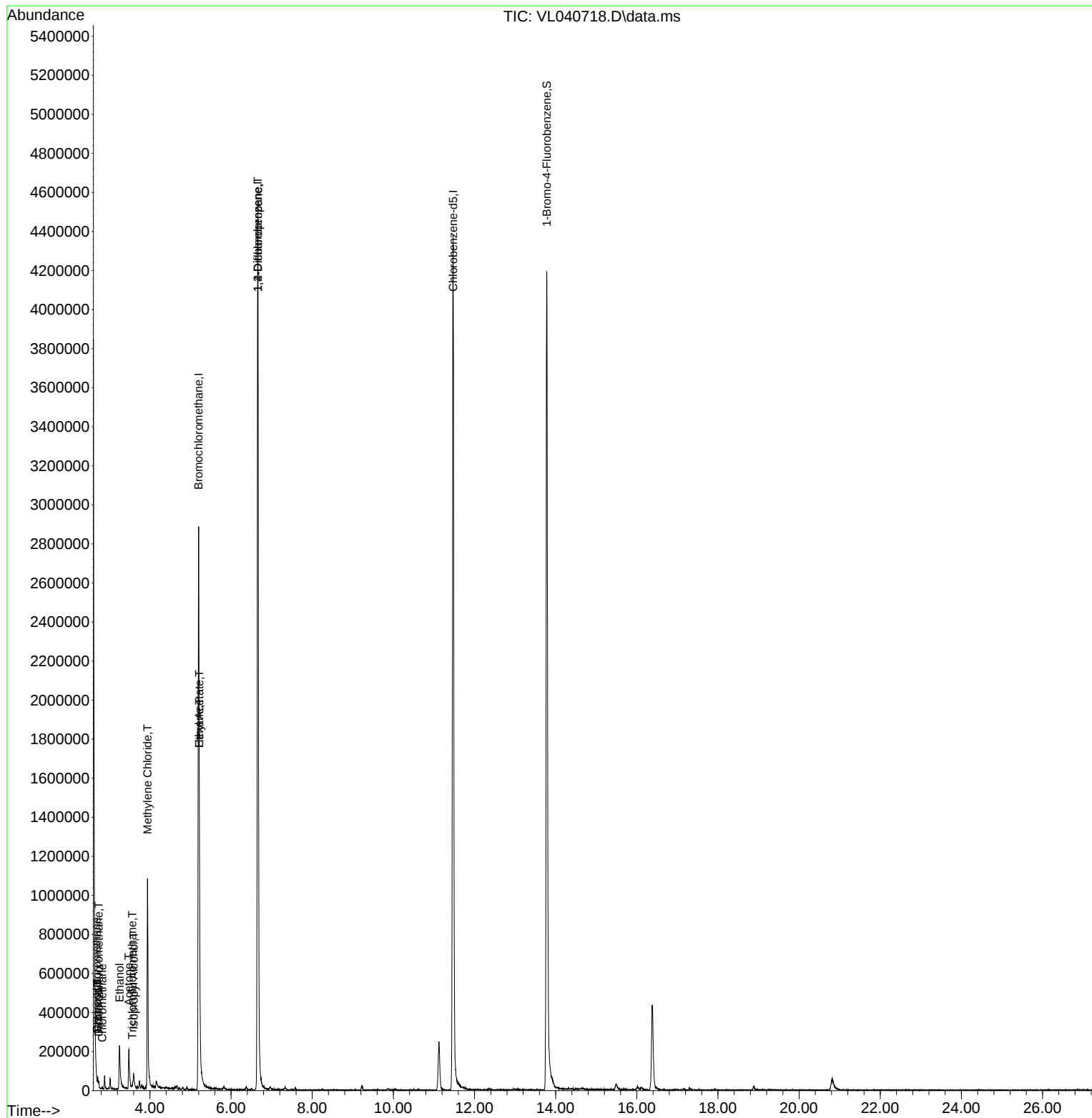
Internal Standards						
1) Bromochloromethane	5.198	49	1320249	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3620165	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3043232	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2223737	9.458	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.739	85	20139	0.069	ppbv	99
3) Chlorodifluoromethane	2.687	51	15639	0.073	ppbv #	79
4) Chloromethane	2.822	50	8173	0.099	ppbv	92
9) Propene	2.713	41	7551	0.122	ppbv	85
11) Trichlorofluoromethane	3.568	101	9555	0.037	ppbv	93
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
25) Ethyl Acetate	5.218	43	186167	0.663	ppbv #	77
26) Hexane	5.218	57	269184	2.027	ppbv #	39
39) 1,2-Dichloropropane	6.658	63	849681	8.234	ppbv #	22

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

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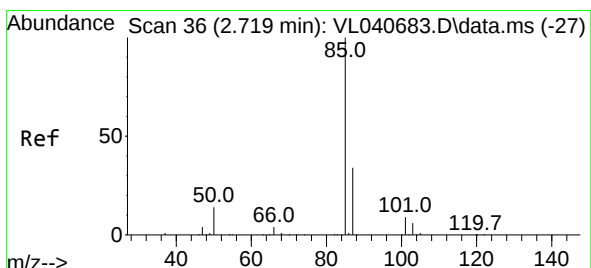
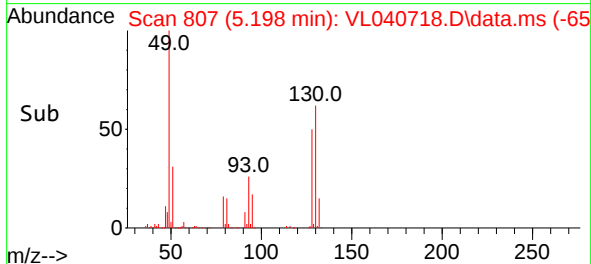
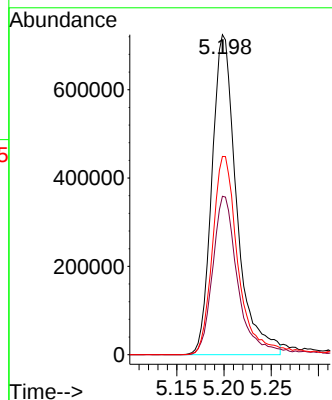
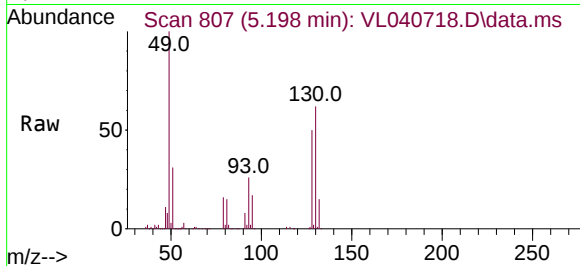




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

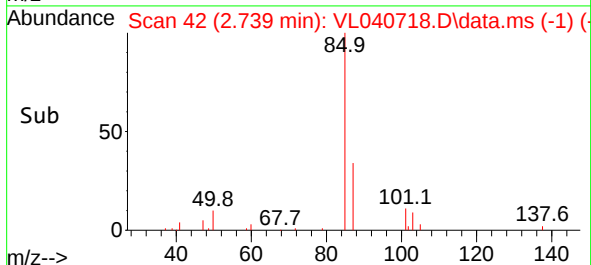
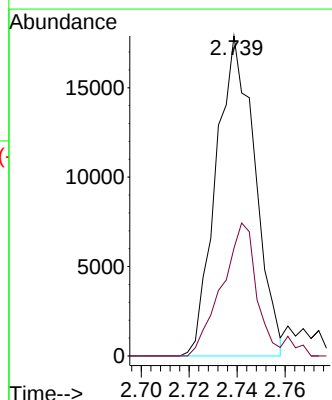
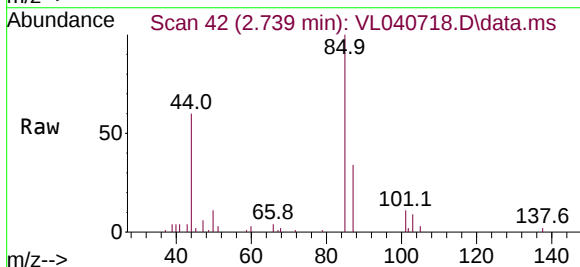
Instrument :
MSVOA_L
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M-SIDEDL

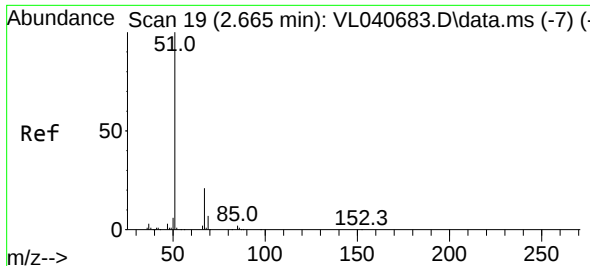
Tgt Ion: 49 Resp: 1320249
Ion Ratio Lower Upper
49 100
128 51.9 25.4 76.0
130 66.7 32.3 96.8



#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

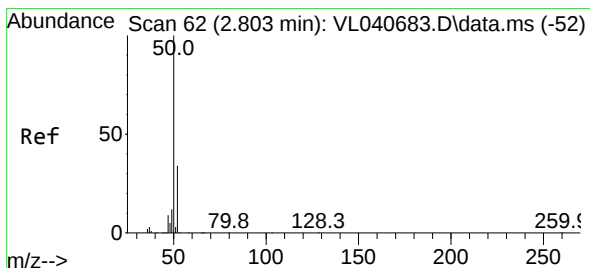
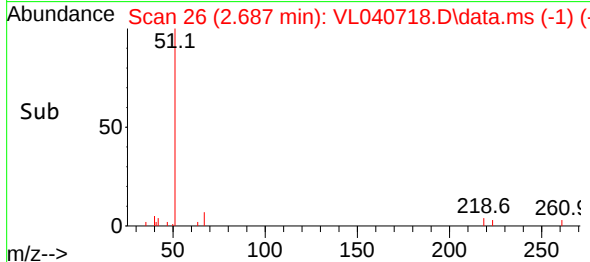
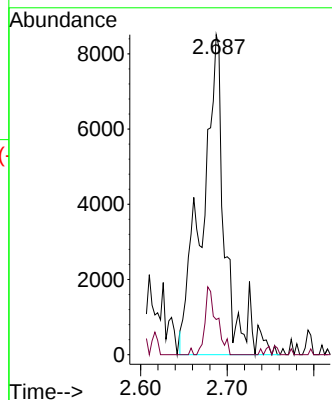
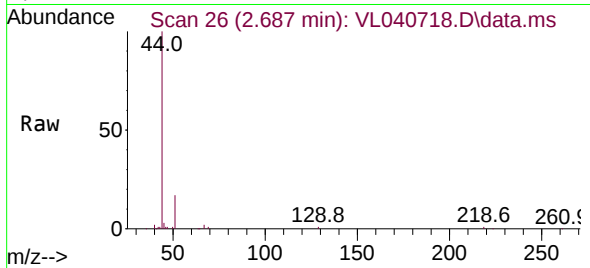




#3
Chlorodifluoromethane
Concen: 0.073 ppbv
RT: 2.687 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

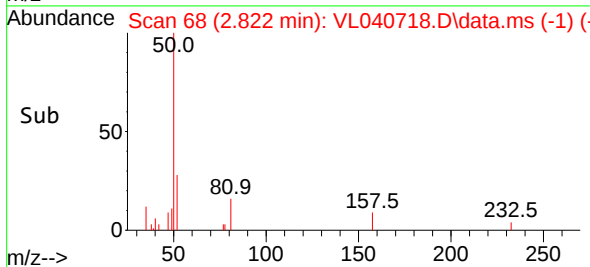
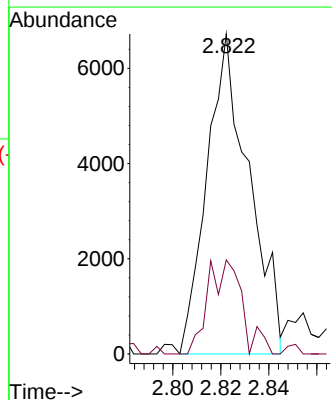
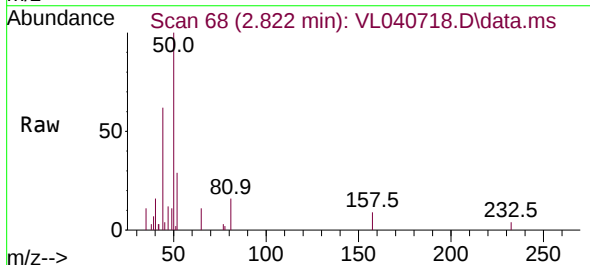
Instrument :
MSVOA_L
ClientSampleId :
M-SIDEDL

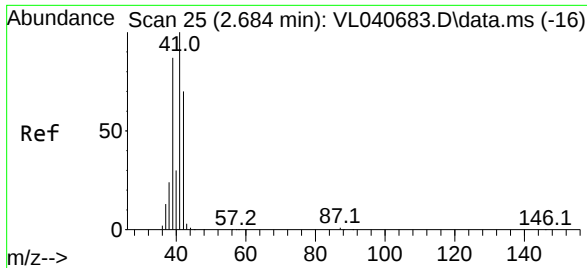
Tgt Ion: 51 Resp: 15639
Ion Ratio Lower Upper
51 100
67 11.0 16.7 25.1#



#4
Chloromethane
Concen: 0.099 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.007 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

Tgt Ion: 50 Resp: 8173
Ion Ratio Lower Upper
50 100
52 29.4 27.1 40.7





#9

Propene

Concen: 0.122 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL040718.D

Acq: 19 Sep 2023 3:45

Instrument :

MSVOA_L

ClientSampleId :

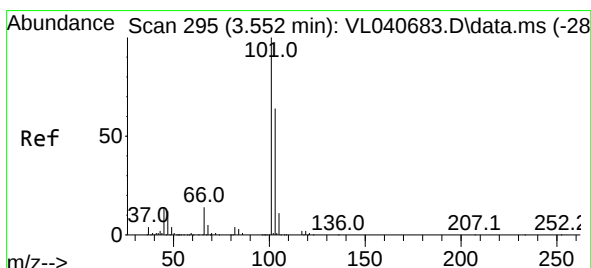
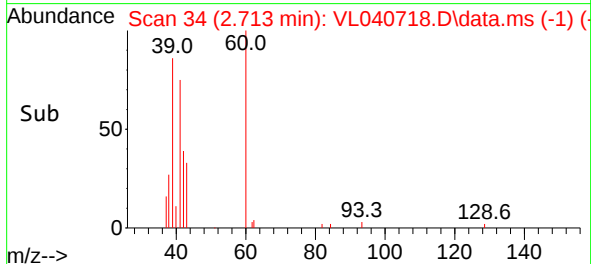
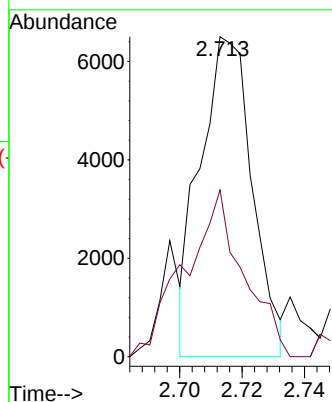
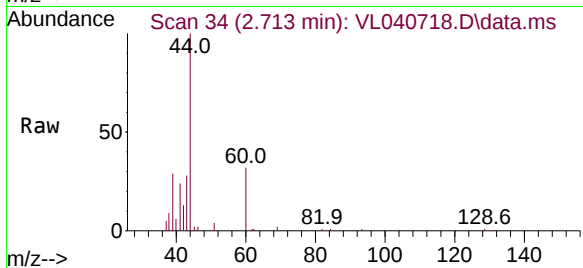
M-SIDEDL

Tgt Ion: 41 Resp: 7551

Ion Ratio Lower Upper

41 100

42 58.5 56.7 85.1



#11

Trichlorofluoromethane

Concen: 0.037 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.000 min

Lab File: VL040718.D

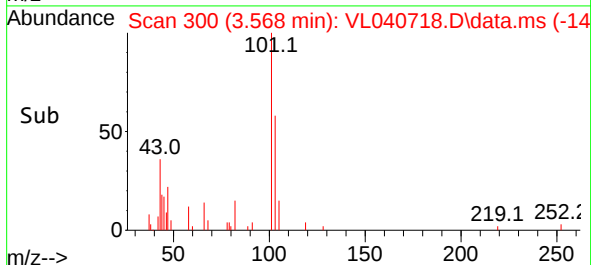
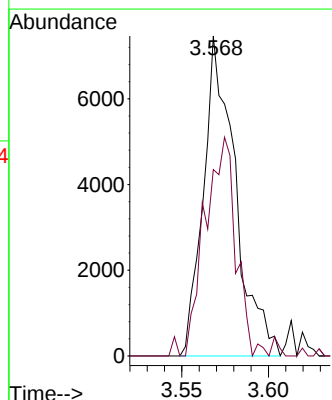
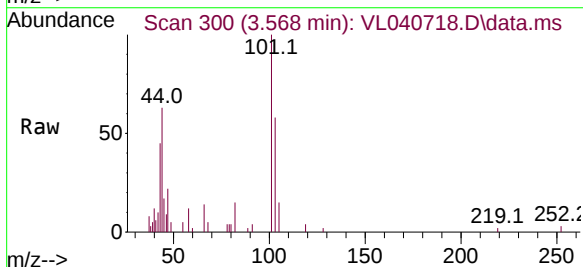
Acq: 19 Sep 2023 3:45

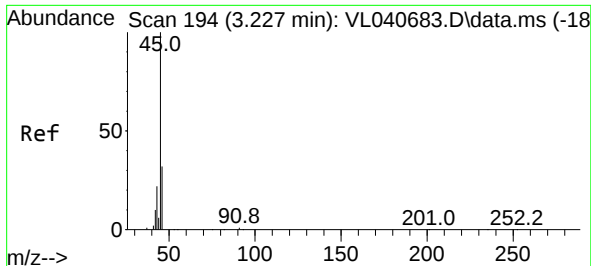
Tgt Ion: 101 Resp: 9555

Ion Ratio Lower Upper

101 100

103 58.3 51.3 76.9

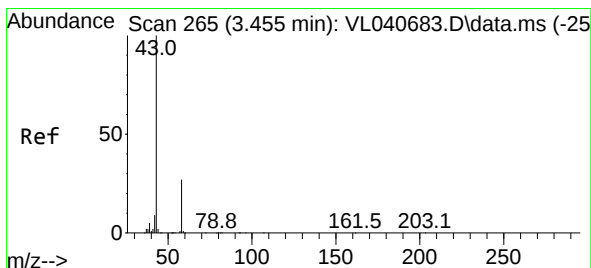
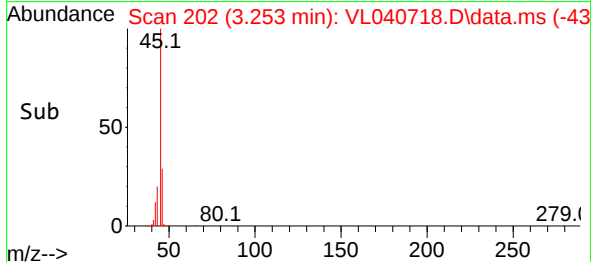
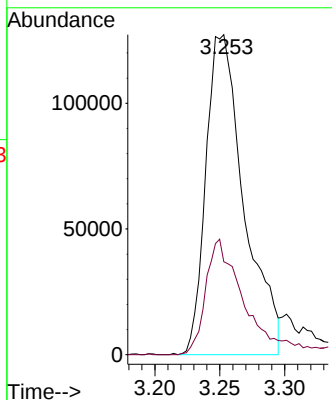
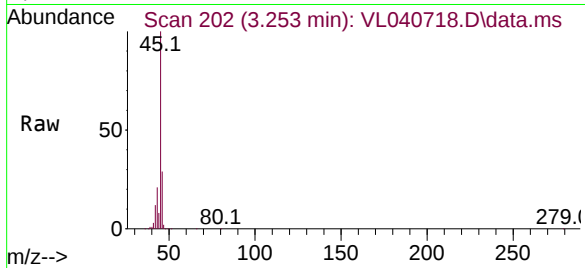




#13
 Ethanol
 Concen: 14.204 ppbv
 RT: 3.253 min Scan# 20
 Delta R.T. 0.010 min
 Lab File: VL040718.D
 Acq: 19 Sep 2023 3:45

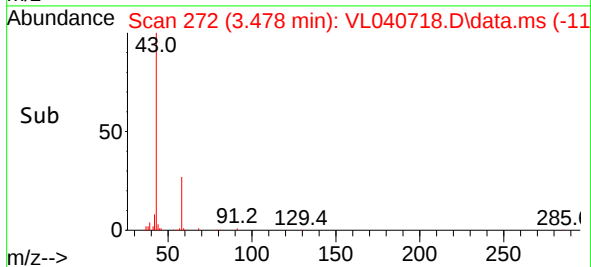
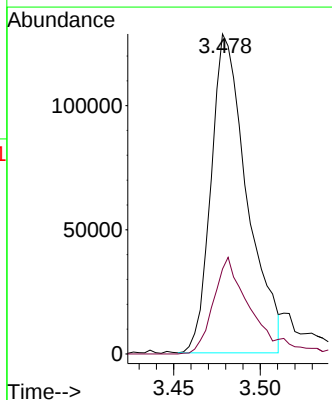
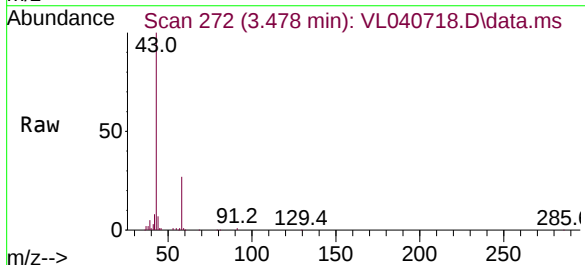
Instrument :
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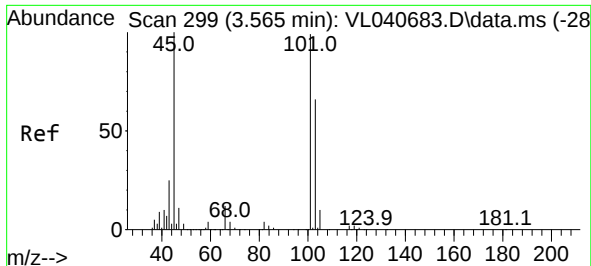
Tgt Ion: 45 Resp: 260494
 Ion Ratio Lower Upper
 45 100
 46 38.1 15.2 61.0



#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 :

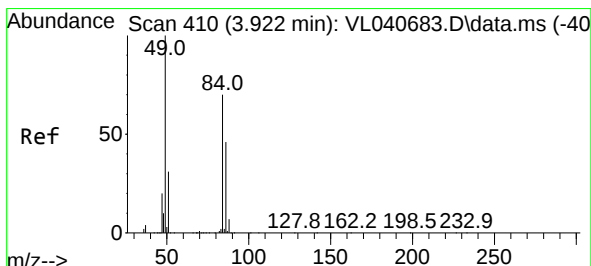
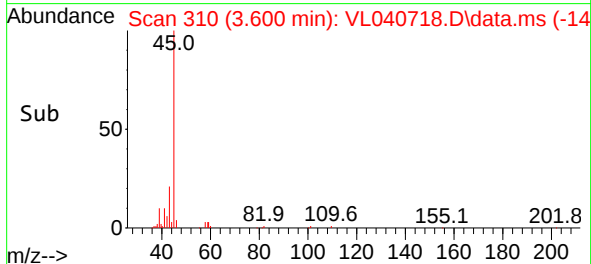
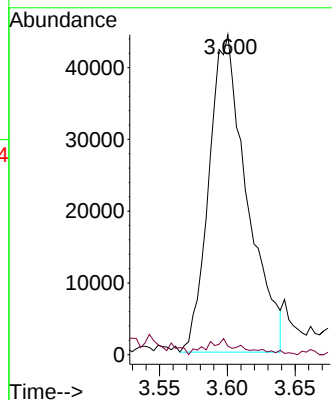
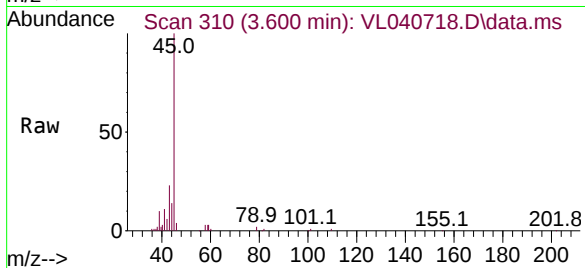
M-SIDEDL

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

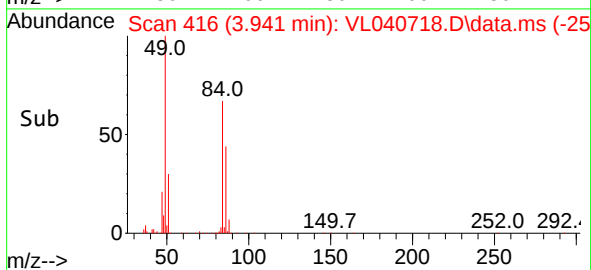
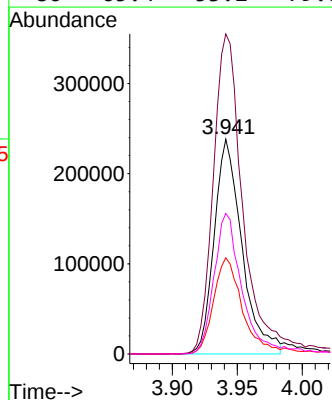
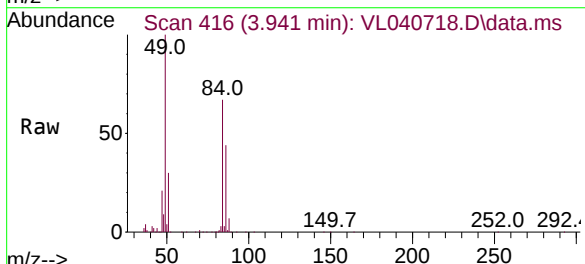
Ion Ratio Lower Upper

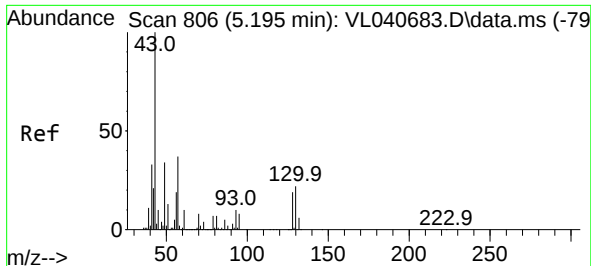
84 100

49 149.0 114.4 171.6

51 44.8 35.5 53.3

86 65.4 53.2 79.8

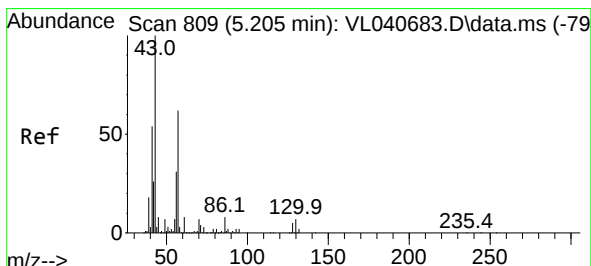
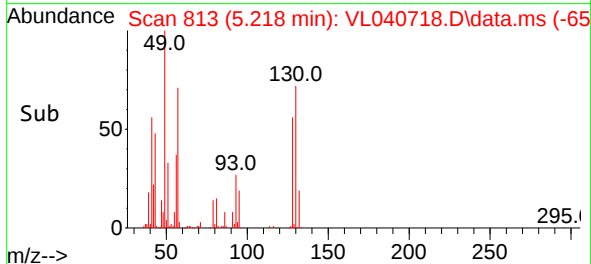
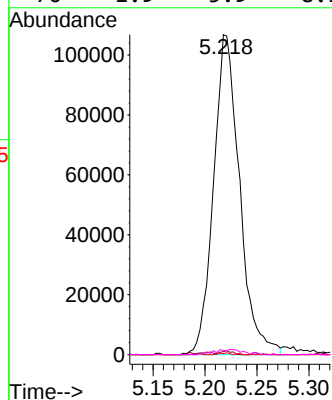
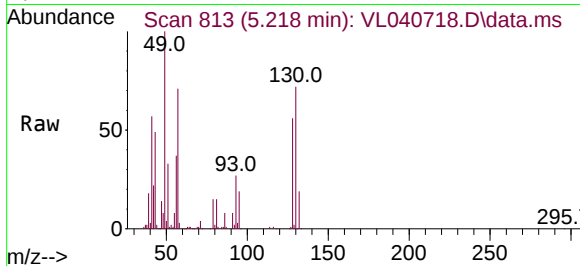




#25
Ethyl Acetate
Concen: 0.663 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.007 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

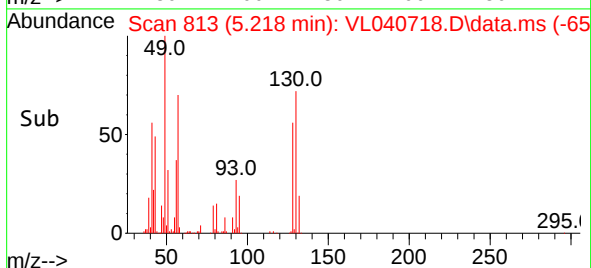
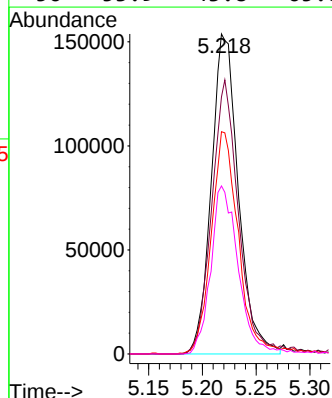
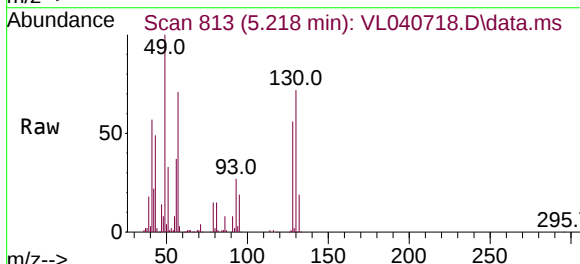
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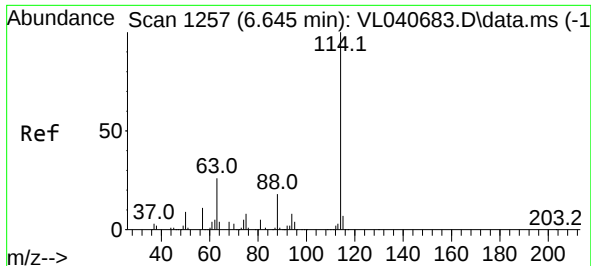
Tgt Ion: 43 Resp: 186167
Ion Ratio Lower Upper
43 100
45 1.1 8.2 12.4#
61 0.3 8.2 12.4#
70 1.9 5.9 8.9#



#26
Hexane
Concen: 2.027 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

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

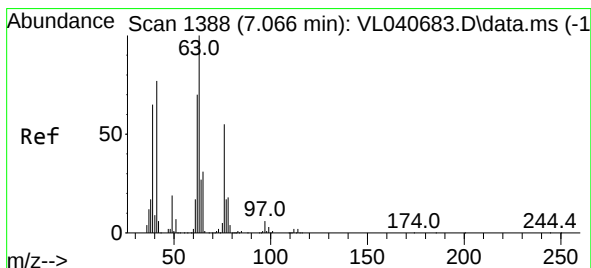
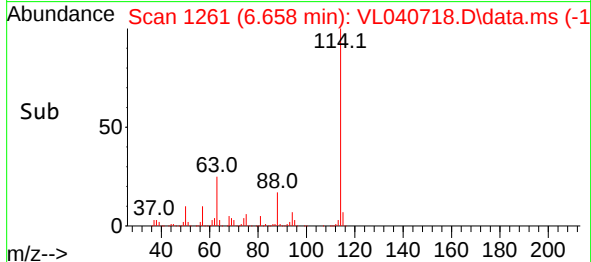
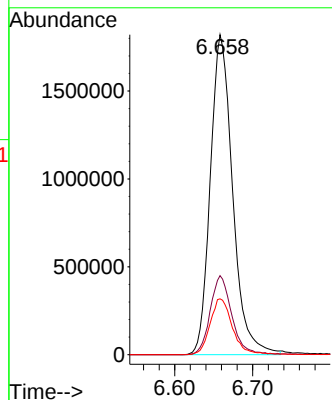
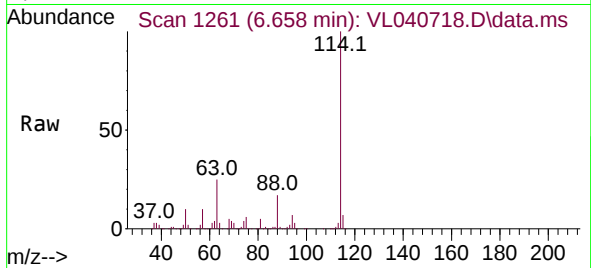




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.658 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL040718.D
 Acq: 19 Sep 2023 3:45

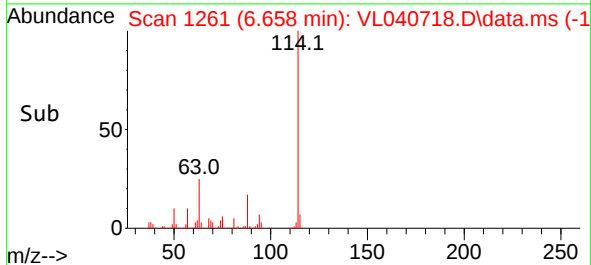
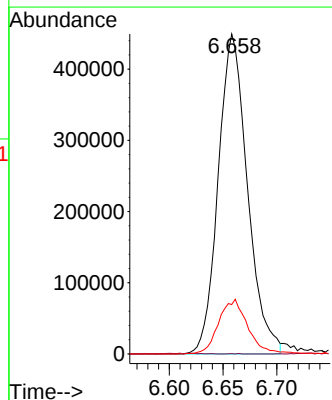
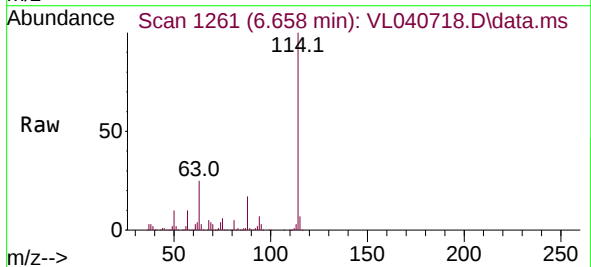
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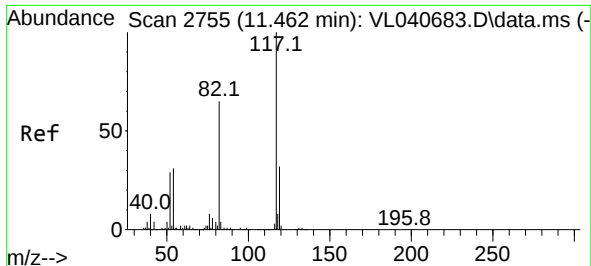
Tgt Ion:114 Resp: 3620165
 Ion Ratio Lower Upper
 114 100
 63 24.1 21.1 31.7
 88 17.6 14.5 21.7



#39
 1,2-Dichloropropane
 Concen: 8.234 ppbv
 RT: 6.658 min Scan# 1261
 Delta R.T. -0.424 min
 Lab File: VL040718.D
 Acq: 19 Sep 2023 3:45

Tgt Ion: 63 Resp: 849681
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.6 92.4#
 62 15.4 55.8 83.8#

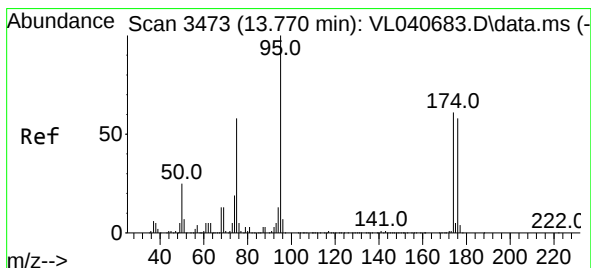
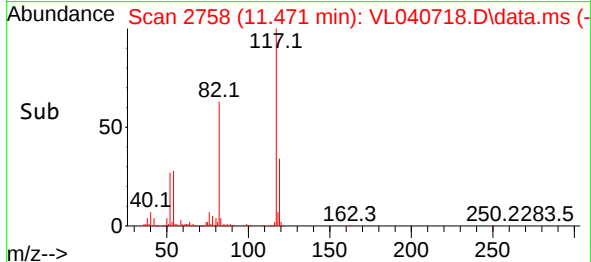
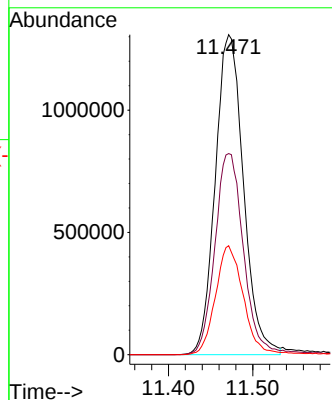
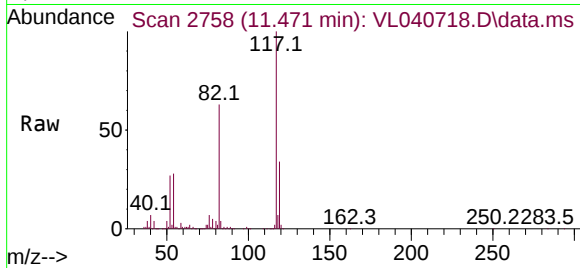




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040718.D
Acq: 19 Sep 2023 3:45

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

