

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040650.D
 Acq On : 5 Sep 2023 16:50
 Operator : SY/MD
 Sample : 04281-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

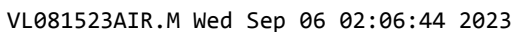
Quant Time: Sep 06 02:06:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

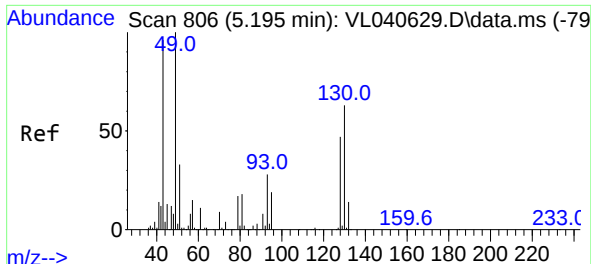
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards							
1) Bromochloromethane		5.192	49	935507	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.655	114	2422905	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.468	117	2086974	10.000	ppbv	-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.780	95	1663183	10.021	ppbv	-0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		2.729	85	7612	0.038	ppbv	# 79
11) Trichlorofluoromethane		3.558	101	8252	0.051	ppbv	# 88
13) Ethanol		3.246	45	759	0.057	ppbv	# 39
15) Acetone		3.481	43	95611	0.836	ppbv	# 91
16) 1,3-Butadiene		2.967	39	3797	0.067	ppbv	# 8
19) Isopropyl Alcohol		3.607	45	4758	0.066	ppbv	# 40
20) Methylene Chloride		3.931	84	178868	3.199	ppbv	# 92
25) Ethyl Acetate		5.208	43	63936	0.298	ppbv	# 76
26) Hexane		5.208	57	90492	0.870	ppbv	# 39
34) 2-Butanone		4.806	43	5869	0.048	ppbv	# 58
39) 1,2-Dichloropropane		6.651	63	614215	8.376	ppbv	# 25
41) Tetrahydrofuran		5.217	42	38288	0.554	ppbv	# 46

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

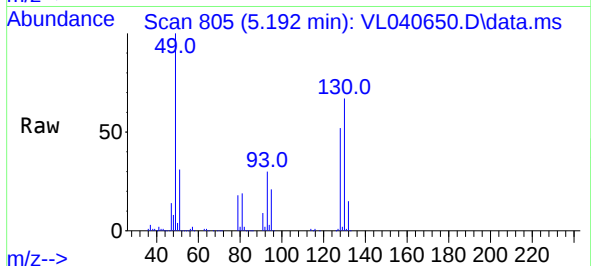
Quant Time: Sep 06 02:06:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration



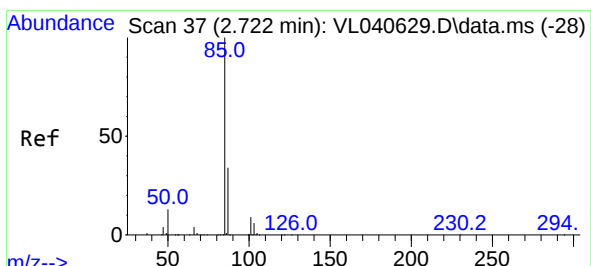
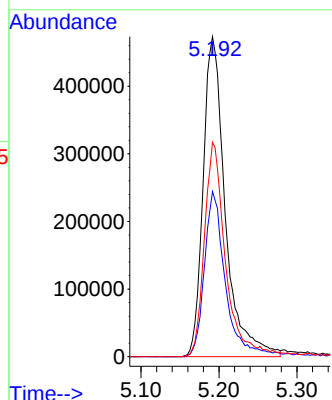
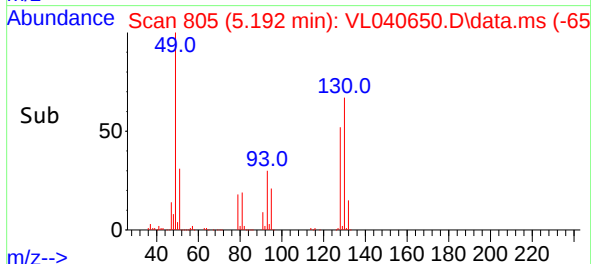


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Instrument :
MSVOA_L
ClientSampleId :

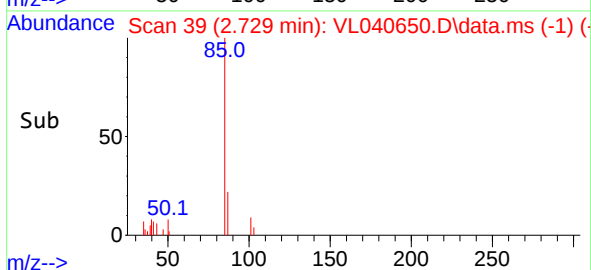
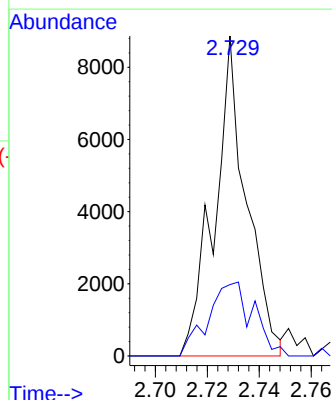
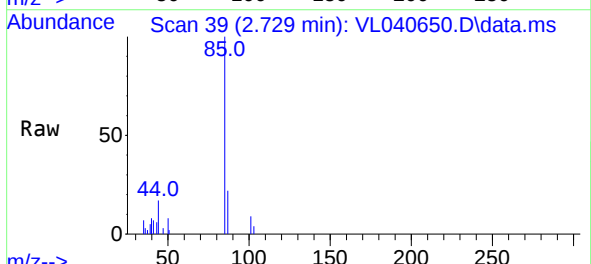


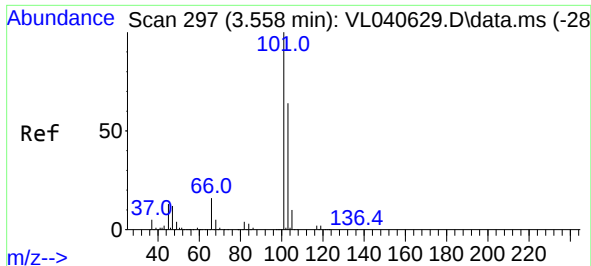
Tgt Ion: 49 Resp: 935507
Ion Ratio Lower Upper
49 100
128 50.2 24.9 74.7
130 65.3 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.006 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 85 Resp: 7612
Ion Ratio Lower Upper
85 100
87 22.3 27.5 41.3#

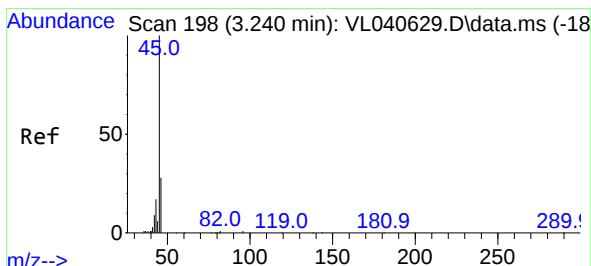
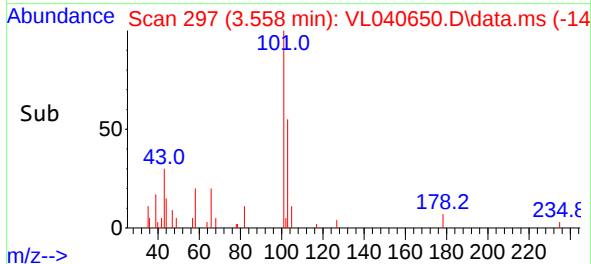
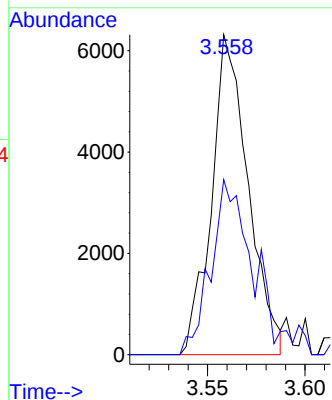
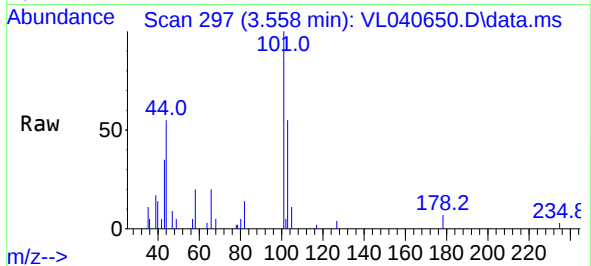




#11
Trichlorofluoromethane
Concen: 0.051 ppbv
RT: 3.558 min Scan# 200
Delta R.T. -0.000 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

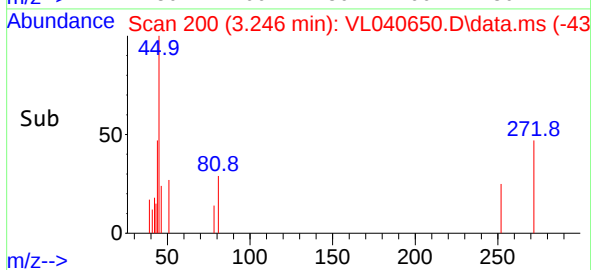
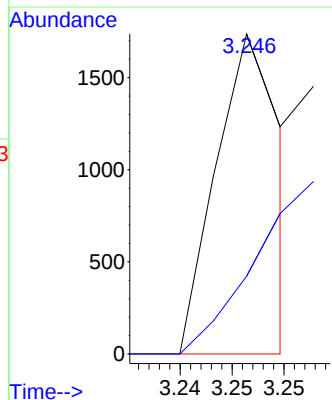
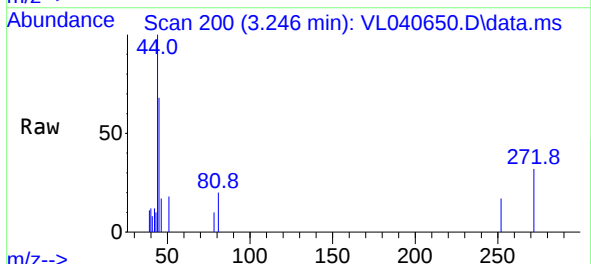
Instrument :
MSVOA_L
ClientSampleId :

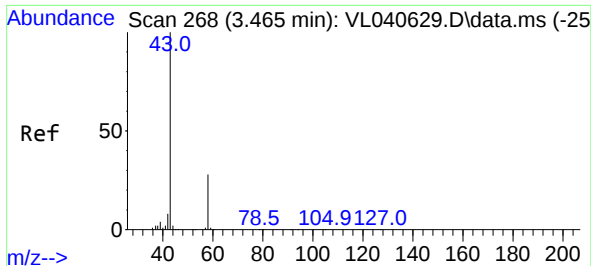
Tgt Ion:101 Resp: 8252
Ion Ratio Lower Upper
101 100
103 54.7 51.1 76.7



#13
Ethanol
Concen: 0.057 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.006 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 45 Resp: 759
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.6#

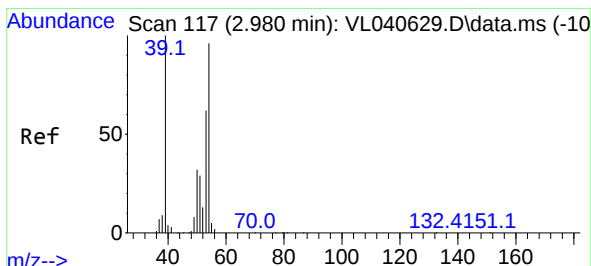
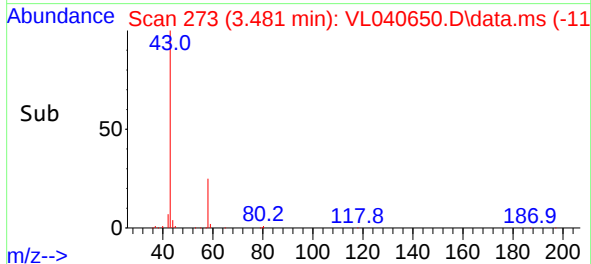
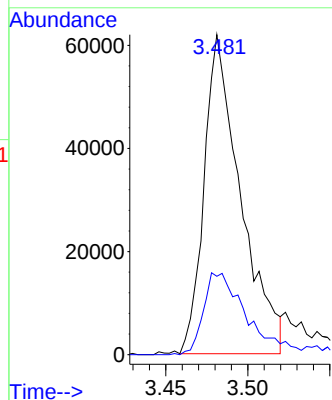
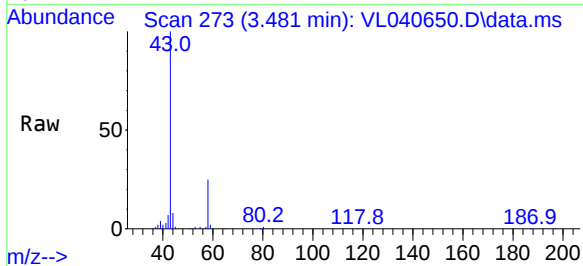




#15
Acetone
Concen: 0.836 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

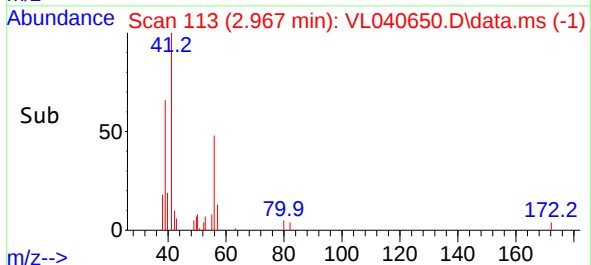
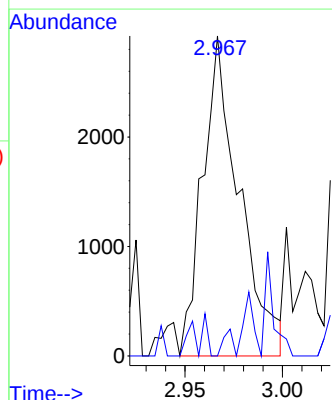
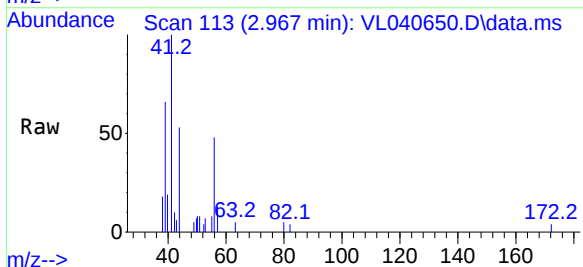
Instrument :
MSVOA_L
ClientSampleId :

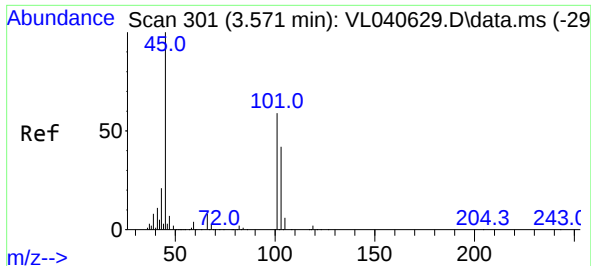
Tgt Ion: 43 Resp: 95611
Ion Ratio Lower Upper
43 100
58 32.9 22.4 33.6



#16
1,3-Butadiene
Concen: 0.067 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.013 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 39 Resp: 3797
Ion Ratio Lower Upper
39 100
54 0.0 66.6 99.8#





#19

Isopropyl Alcohol

Concen: 0.066 ppbv

RT: 3.607 min Scan# 312

Delta R.T. 0.035 min

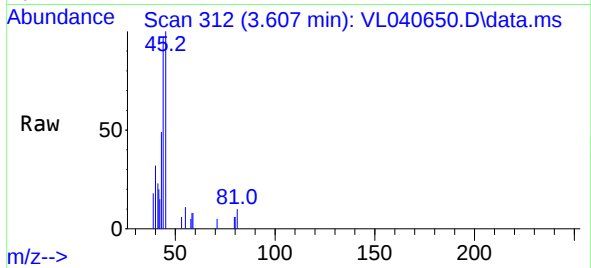
Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

Instrument :

MSVOA_L

ClientSampleId :

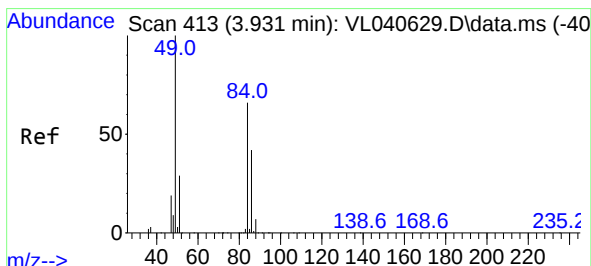
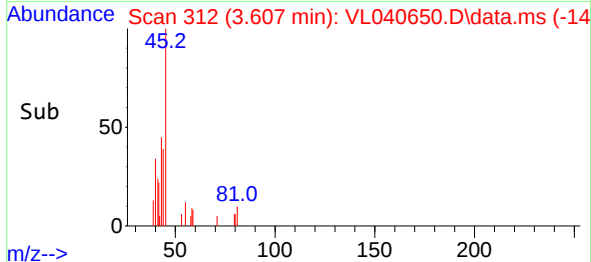
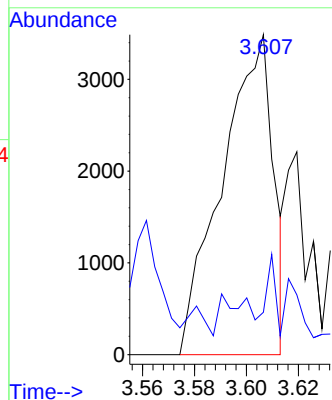


Tgt Ion: 45 Resp: 4758

Ion Ratio Lower Upper

45 100

58 22.9 1.9 2.9#



#20

Methylene Chloride

Concen: 3.199 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.000 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

Tgt Ion: 84 Resp: 178868

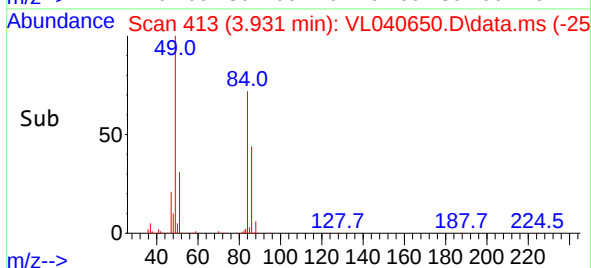
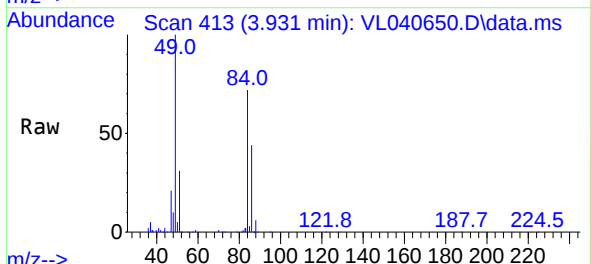
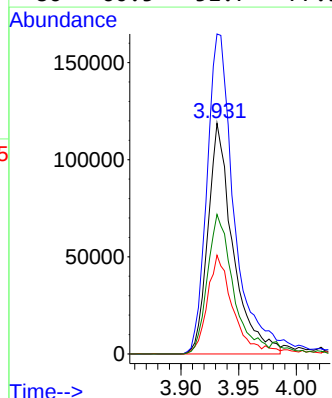
Ion Ratio Lower Upper

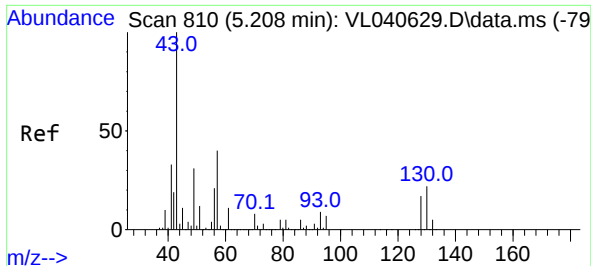
84 100

49 138.7 122.1 183.1

51 42.8 35.4 53.2

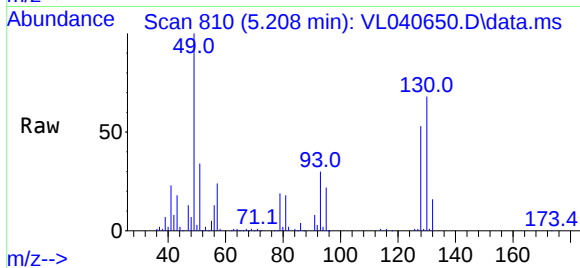
86 60.5 51.7 77.5



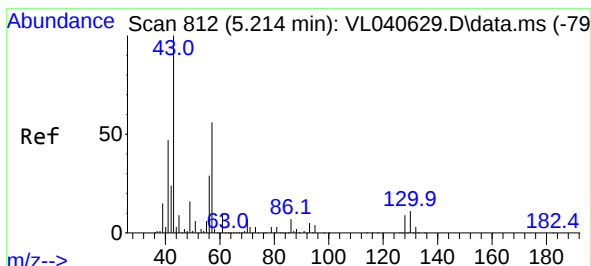
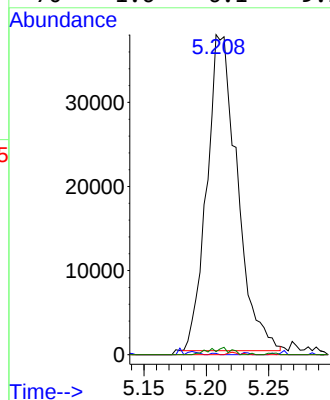
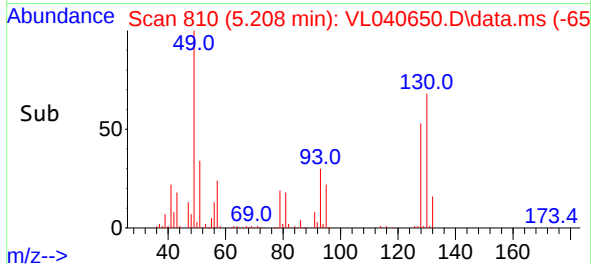


#25
Ethyl Acetate
Concen: 0.298 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

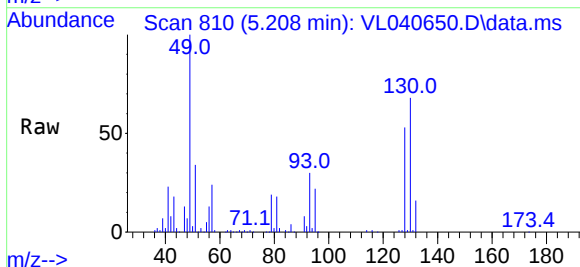
Instrument :
MSVOA_L
ClientSampleId :



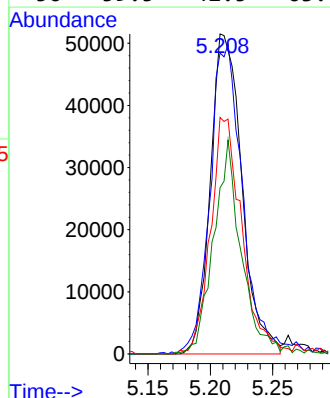
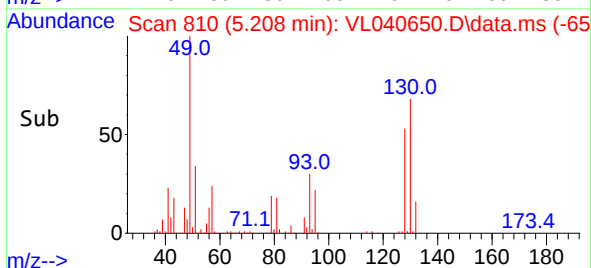
Tgt Ion: 43 Resp: 63936
Ion Ratio Lower Upper
43 100
45 0.7 8.2 12.4#
61 0.2 8.3 12.5#
70 1.6 6.1 9.1#

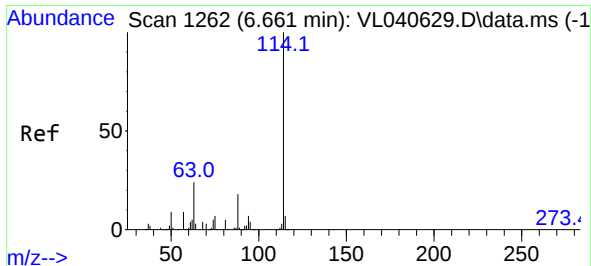


#26
Hexane
Concen: 0.870 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.007 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50



Tgt Ion: 57 Resp: 90492
Ion Ratio Lower Upper
57 100
41 101.8 69.3 103.9
43 75.1 177.9 266.9#
56 59.5 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

Instrument :

MSVOA_L

ClientSampleId :

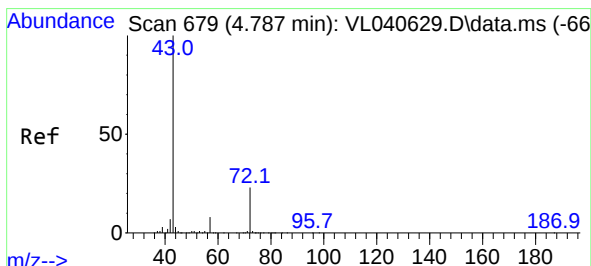
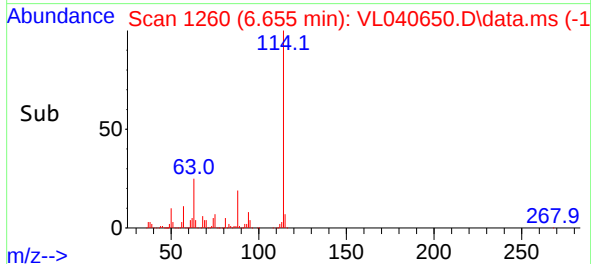
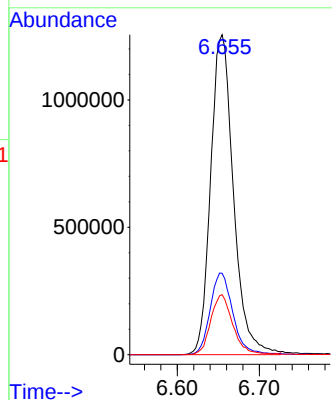
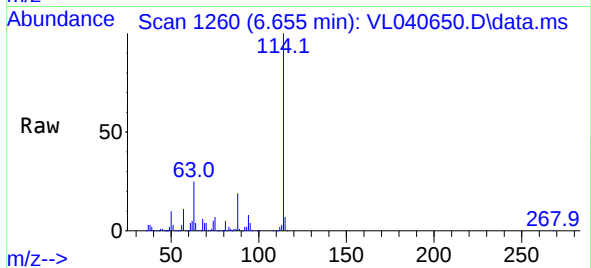
Tgt Ion:114 Resp: 2422905

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 18.4 14.1 21.1



#34

2-Butanone

Concen: 0.048 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.019 min

Lab File: VL040650.D

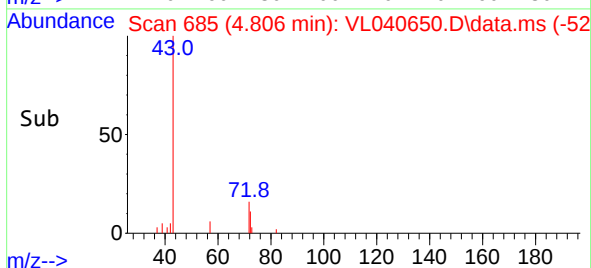
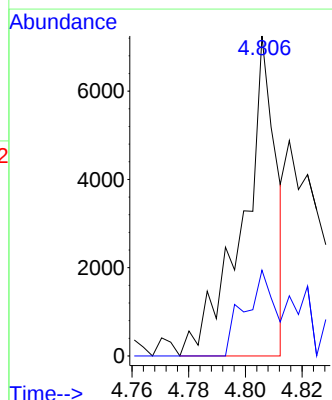
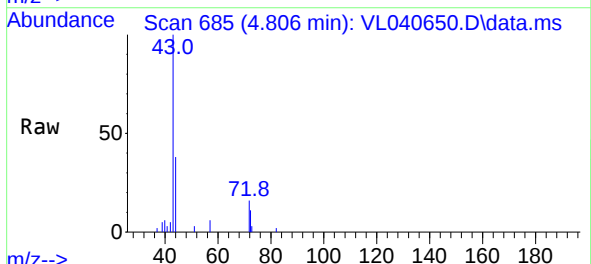
Acq: 5 Sep 2023 16:50

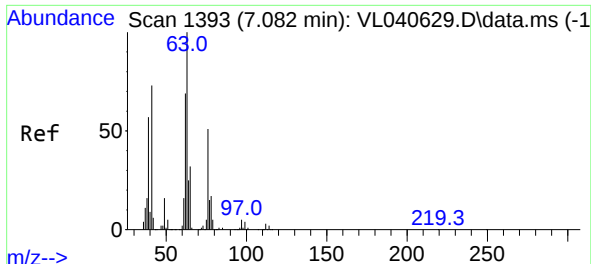
Tgt Ion: 43 Resp: 5869

Ion Ratio Lower Upper

43 100

72 44.5 19.2 28.8#





#39

1,2-Dichloropropane

Concen: 8.376 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

Instrument :

MSVOA_L

ClientSampleId :

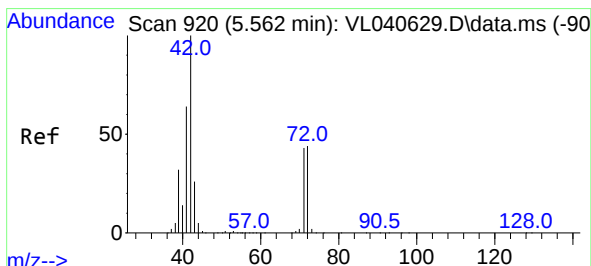
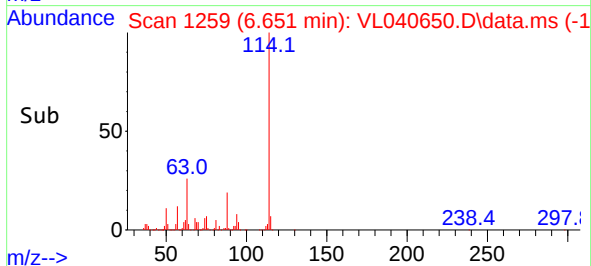
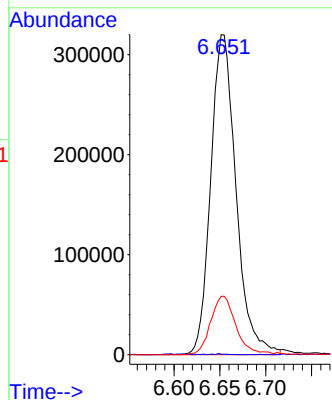
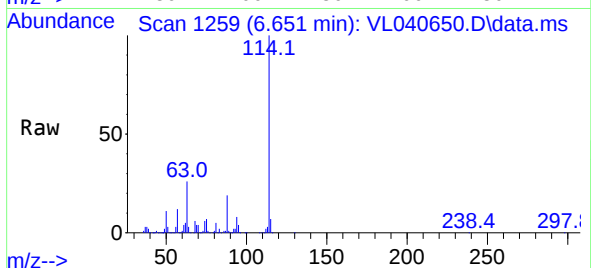
Tgt Ion: 63 Resp: 614215

Ion Ratio Lower Upper

63 100

41 0.1 58.2 87.2#

62 18.3 55.0 82.4#



#41

Tetrahydrofuran

Concen: 0.554 ppbv

RT: 5.217 min Scan# 813

Delta R.T. -0.344 min

Lab File: VL040650.D

Acq: 5 Sep 2023 16:50

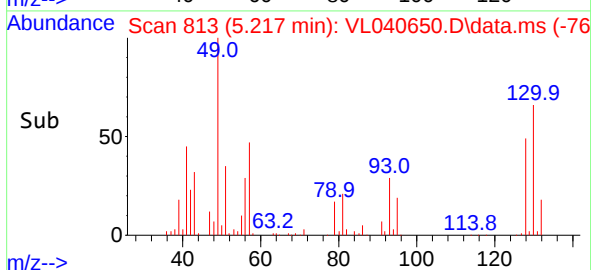
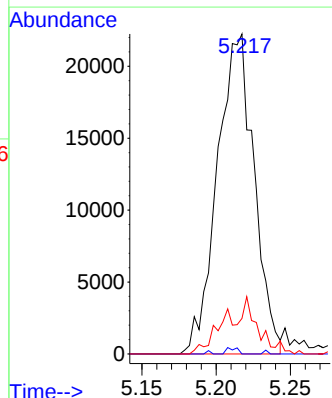
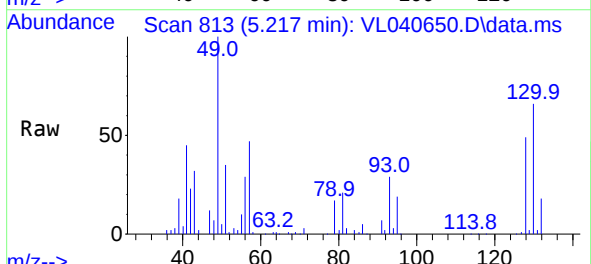
Tgt Ion: 42 Resp: 38288

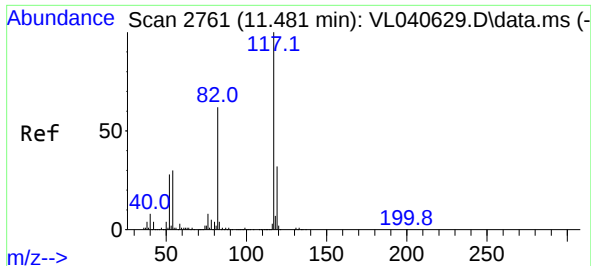
Ion Ratio Lower Upper

42 100

72 0.7 34.2 51.4#

71 15.7 33.4 50.0#



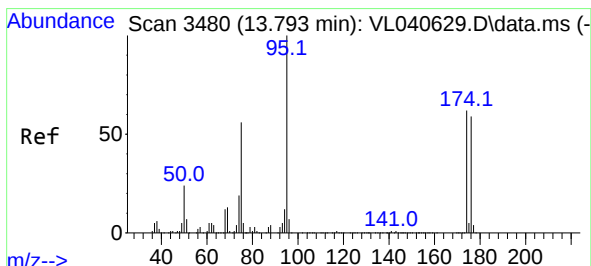
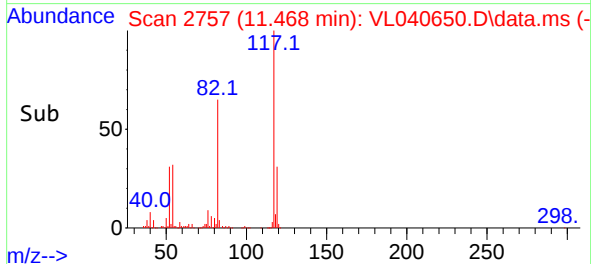
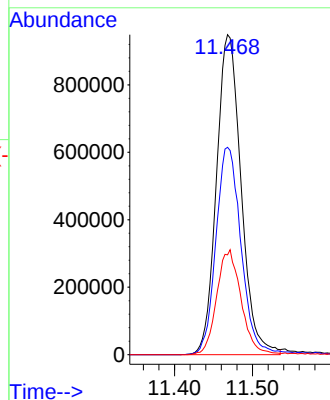
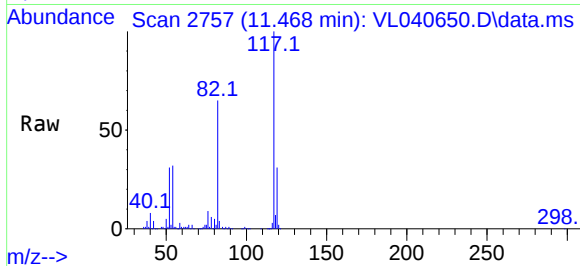


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2086974

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: 10.021 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040650.D
Acq: 5 Sep 2023 16:50

Tgt Ion: 95 Resp: 1663183

Ion	Ratio	Lower	Upper
95	100		
174	61.6	49.1	73.7
175	4.4	3.7	5.5

