

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040750.D
 Acq On : 4 Oct 2023 21:33
 Operator : SY/MD
 Sample : 04716-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 05 04:29:40 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)

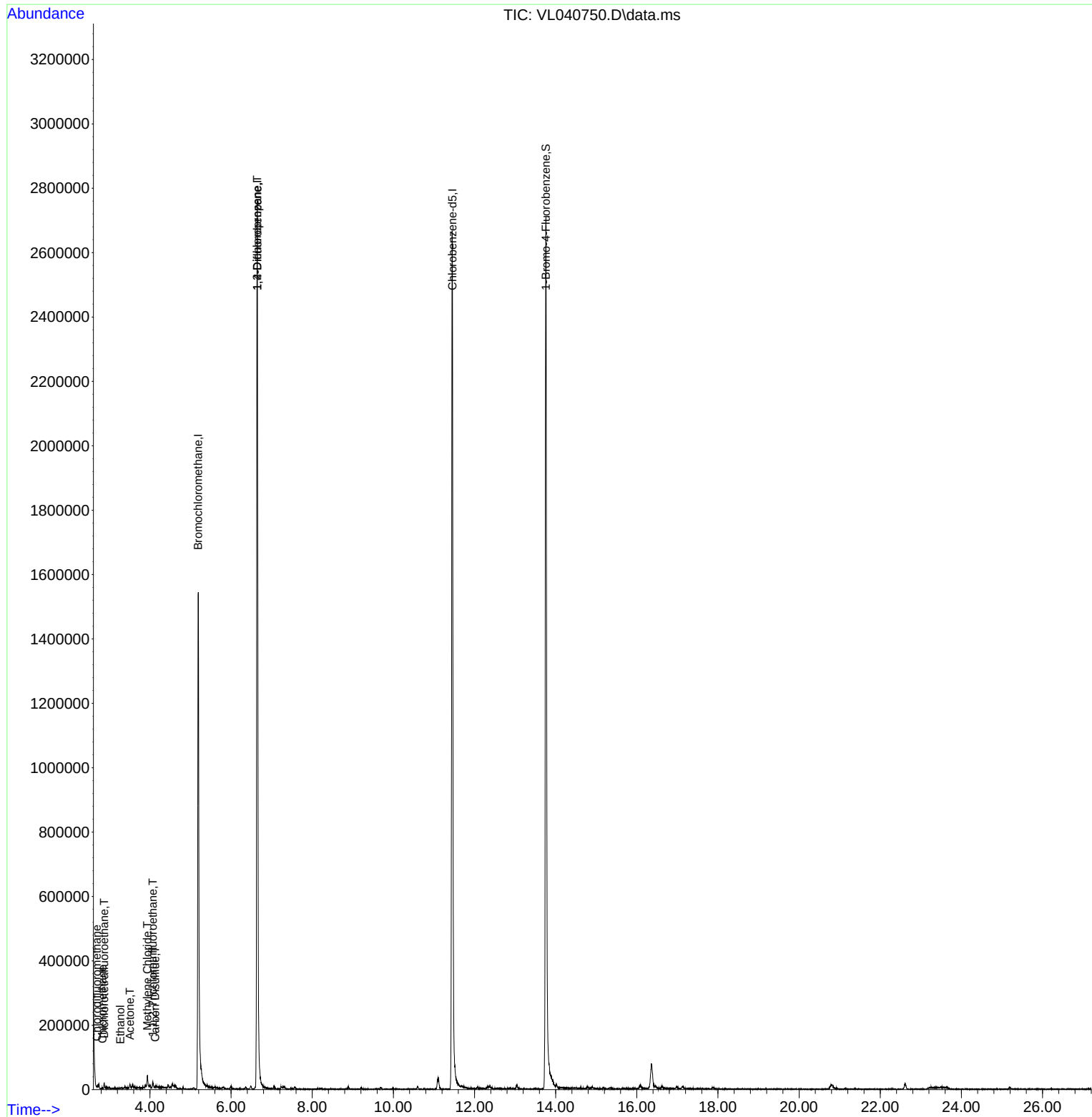
Internal Standards						
1) Bromochloromethane	5.188	49	707964	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	1940172	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1583393	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1250232	10.220	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.200%	
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	2.690	51	5265	0.046	ppbv	99
4) Chloromethane	2.828	50	1682	0.038	ppbv	88
8) Dichlorotetrafluoroethane	2.873	85	6051	0.047	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.070	101	3804	0.039	ppbv #	65
13) Ethanol	3.269	45	436	0.044	ppbv #	37
15) Acetone	3.504	43	12591	0.135	ppbv	93
20) Methylene Chloride	3.938	84	5917	0.118	ppbv #	81
27) Carbon Disulfide	4.131	76	3151	0.032	ppbv #	68
39) 1,2-Dichloropropane	6.642	63	490935	8.877	ppbv #	23

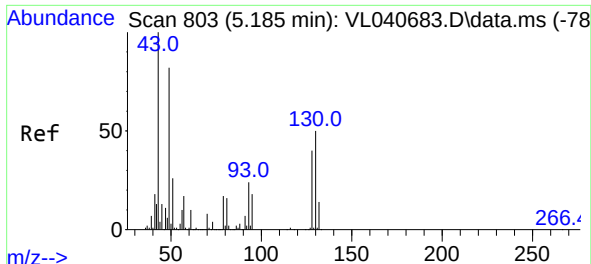
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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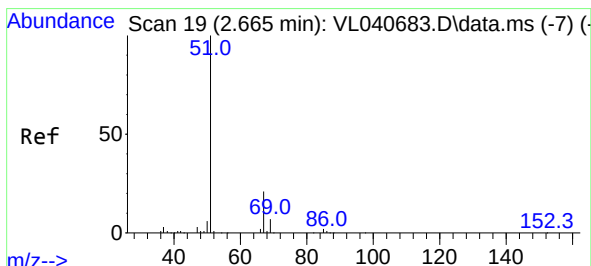
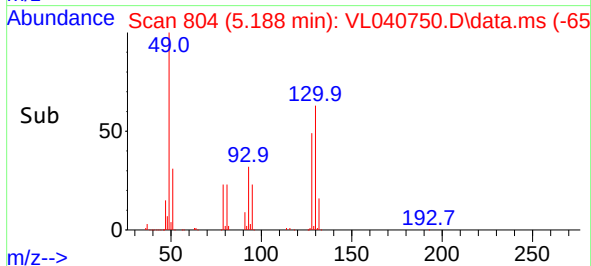
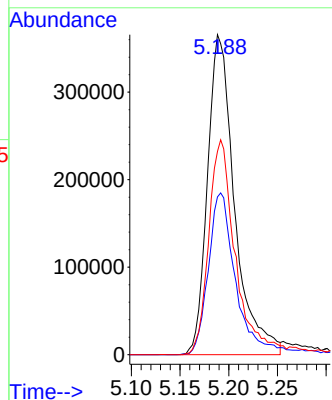
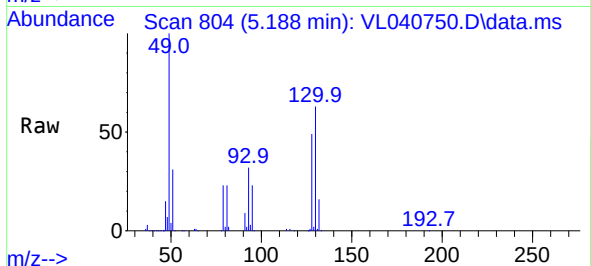




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

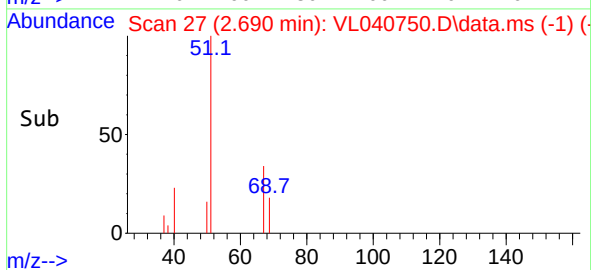
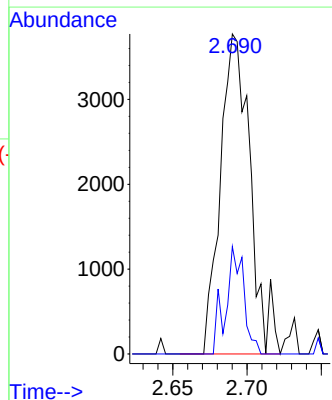
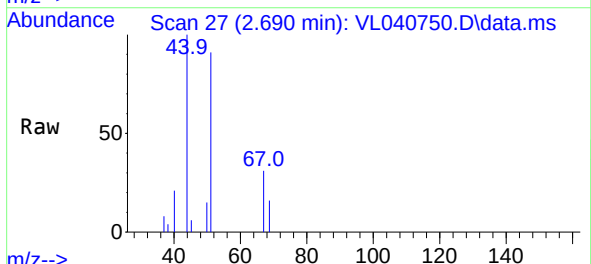
Instrument :
MSVOA_L
ClientSampleId :

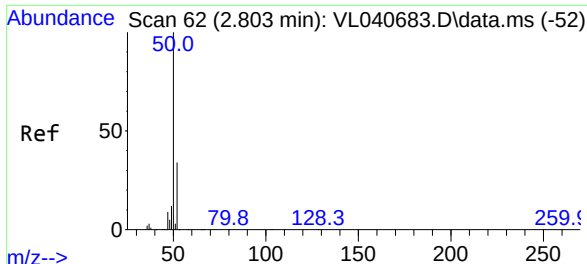
Tgt Ion: 49 Resp: 707964
Ion Ratio Lower Upper
49 100
128 52.9 25.4 76.0
130 69.4 32.3 96.8



#3
Chlorodifluoromethane
Concen: 0.046 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.013 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Tgt Ion: 51 Resp: 5265
Ion Ratio Lower Upper
51 100
67 20.5 16.7 25.1

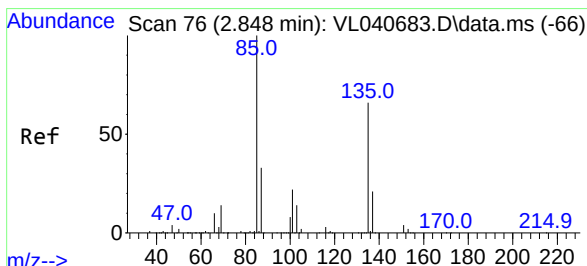
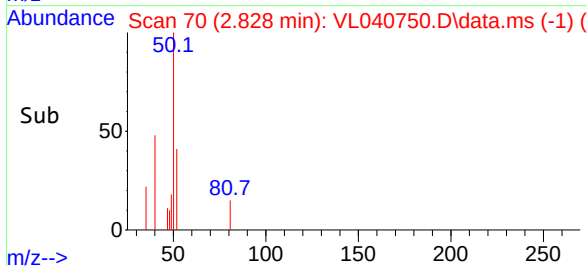
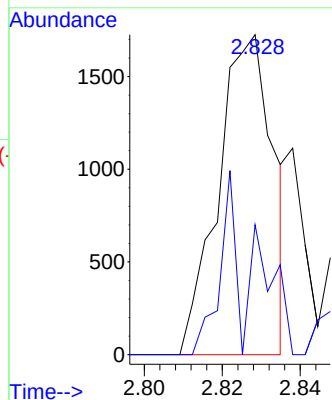
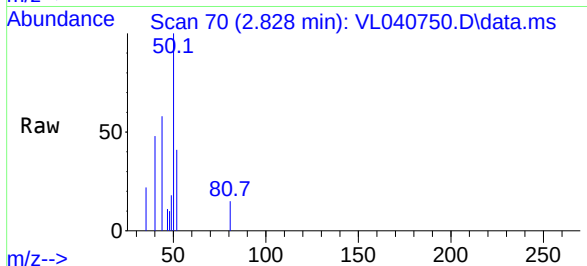




#4
Chloromethane
Concen: 0.038 ppbv
RT: 2.828 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

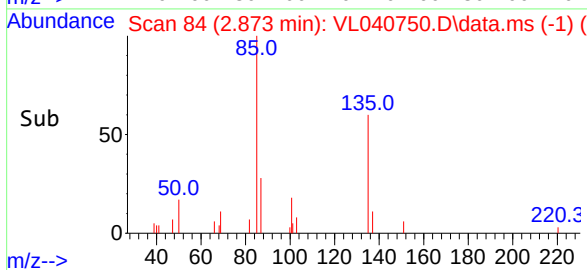
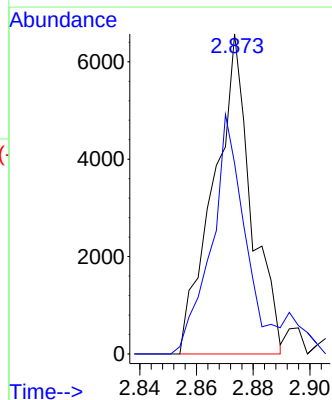
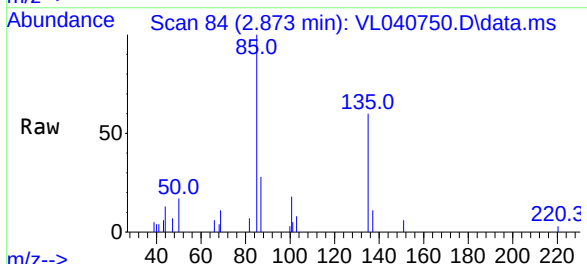
Instrument :
MSVOA_L
ClientSampleId :

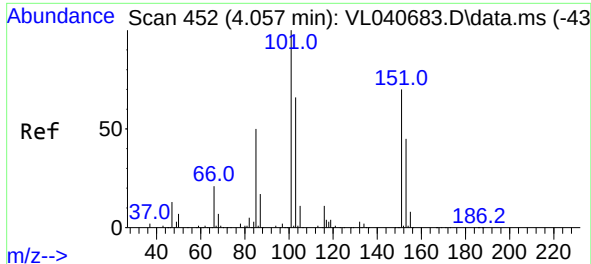
Tgt Ion: 50 Resp: 1682
Ion Ratio Lower Upper
50 100
52 40.6 27.1 40.7



#8
Dichlorotetrafluoroethane
Concen: 0.047 ppbv
RT: 2.873 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Tgt Ion: 85 Resp: 6051
Ion Ratio Lower Upper
85 100
135 74.4 53.4 80.2

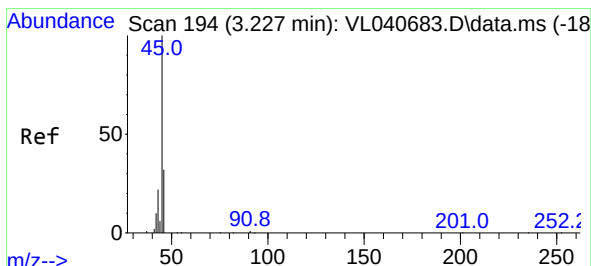
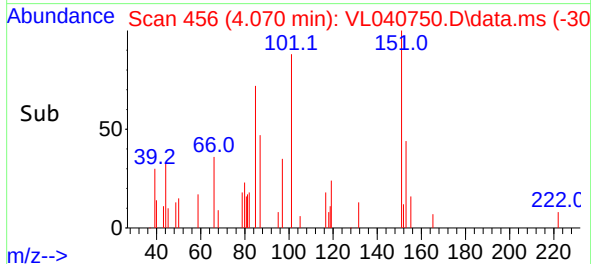
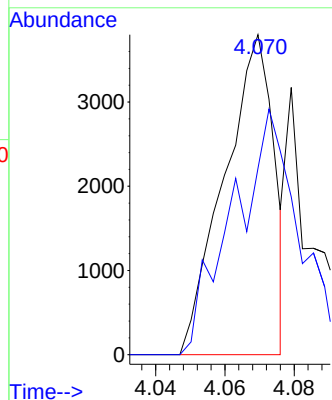
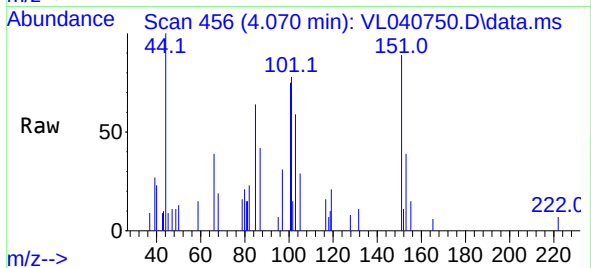




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.039 ppbv
RT: 4.070 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

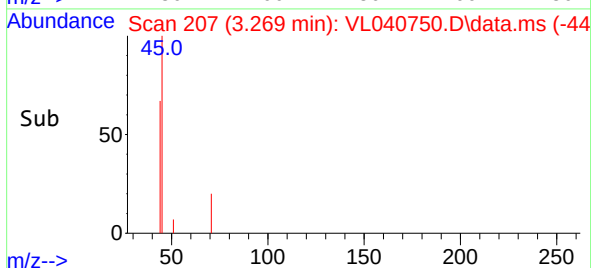
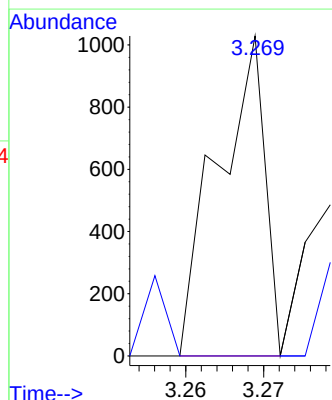
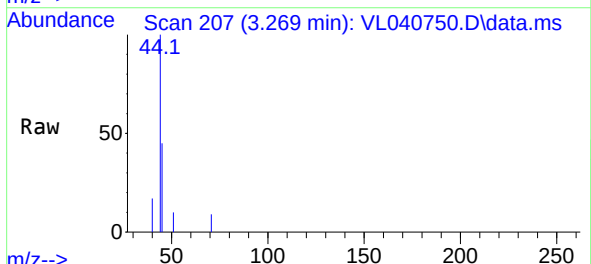
Instrument :
MSVOA_L
ClientSampleId :

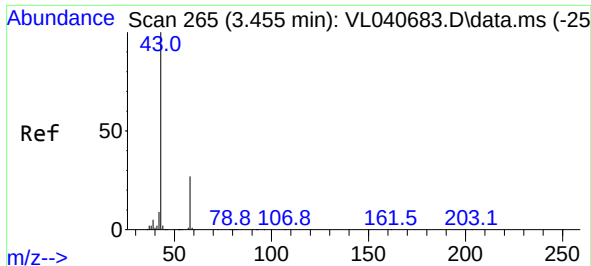
Tgt Ion:101 Resp: 3804
Ion Ratio Lower Upper
101 100
151 99.7 56.8 85.2#



#13
Ethanol
Concen: 0.044 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.026 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Tgt Ion: 45 Resp: 436
Ion Ratio Lower Upper
45 100
46 0.0 15.2 61.0#

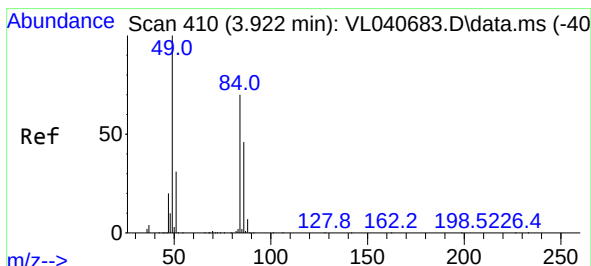
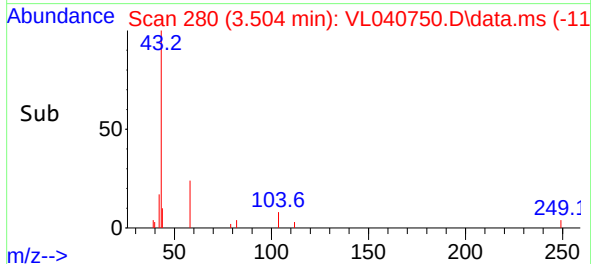
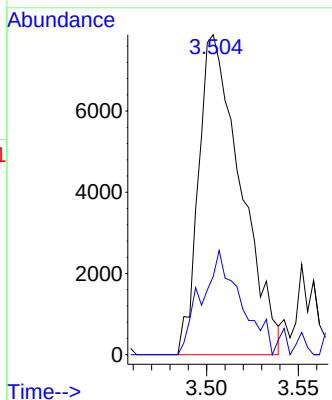
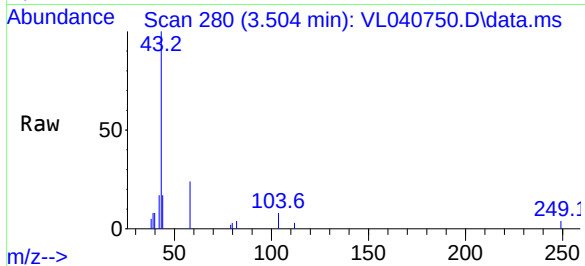




#15
Acetone
Concen: 0.135 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

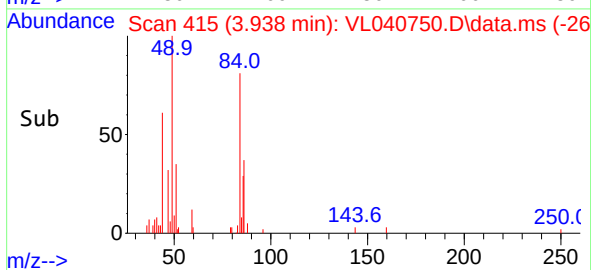
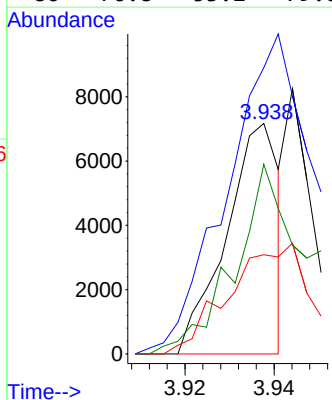
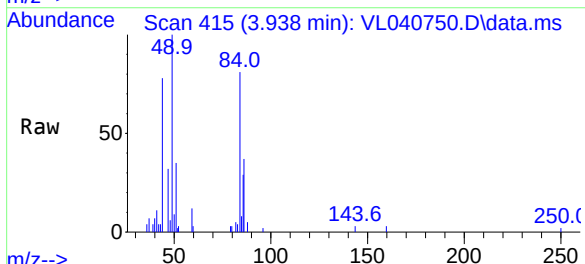
Instrument :
MSVOA_L
ClientSampleId :

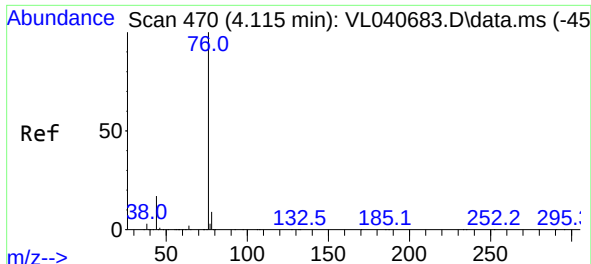
Tgt Ion: 43 Resp: 12591
Ion Ratio Lower Upper
43 100
58 31.8 22.6 34.0



#20
Methylene Chloride
Concen: 0.118 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.000 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

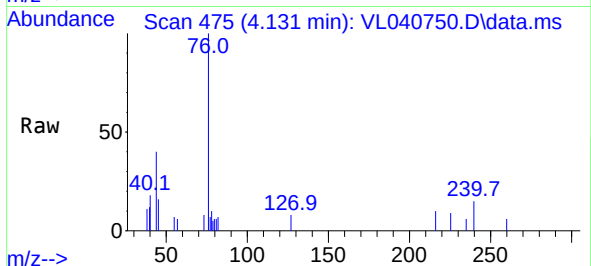
Tgt Ion: 84 Resp: 5917
Ion Ratio Lower Upper
84 100
49 110.5 114.4 171.6#
51 41.8 35.5 53.3
86 76.8 53.2 79.8



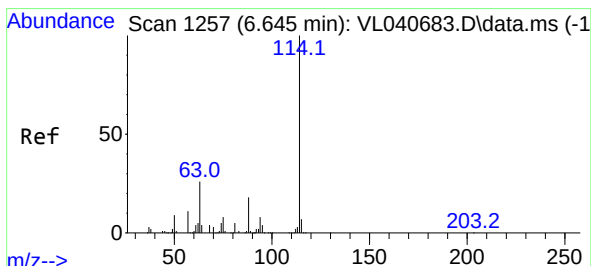
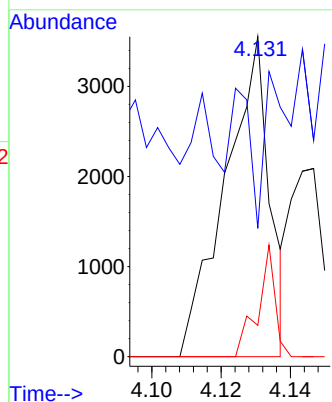
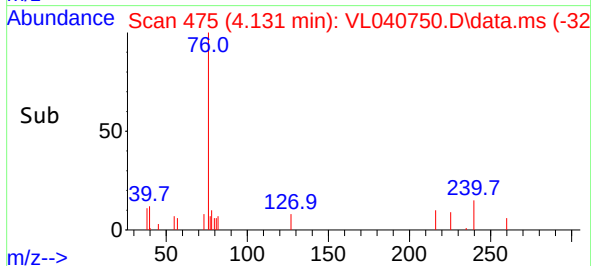


#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Instrument :
MSVOA_L
ClientSampleId :

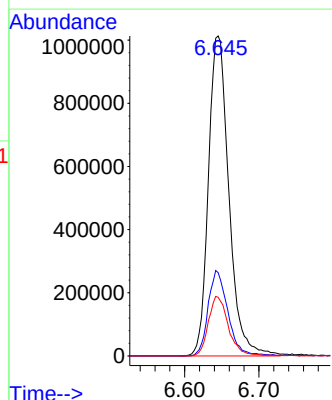
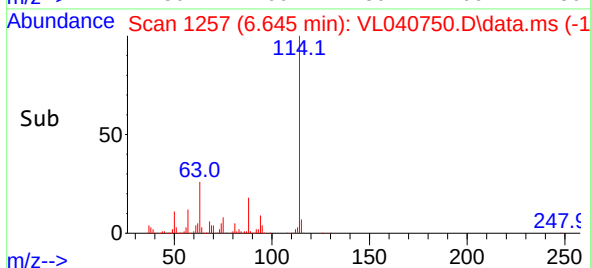
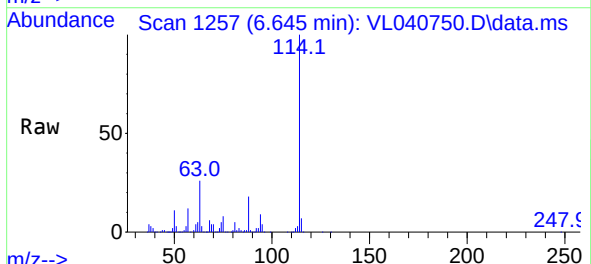


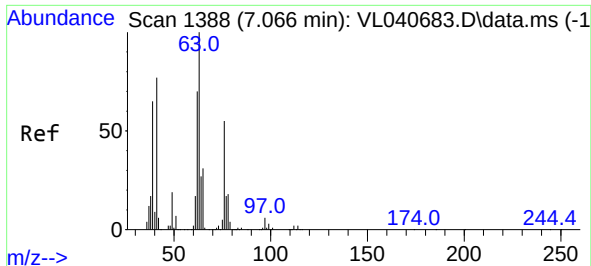
Tgt Ion: 76 Resp: 3151
Ion Ratio Lower Upper
76 100
44 0.0 14.5 21.7#
78 15.3 7.7 11.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Tgt Ion: 114 Resp: 1940172
Ion Ratio Lower Upper
114 100
63 26.1 21.1 31.7
88 18.3 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.877 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.441 min

Lab File: VL040750.D

Acq: 4 Oct 2023 21:33

Instrument :

MSVOA_L

ClientSampleId :

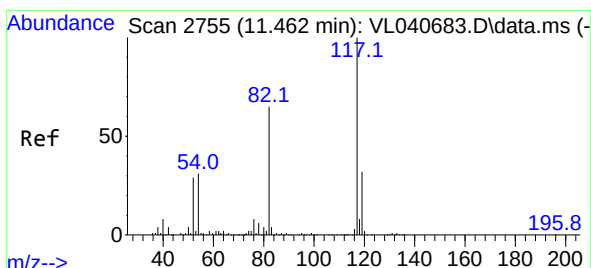
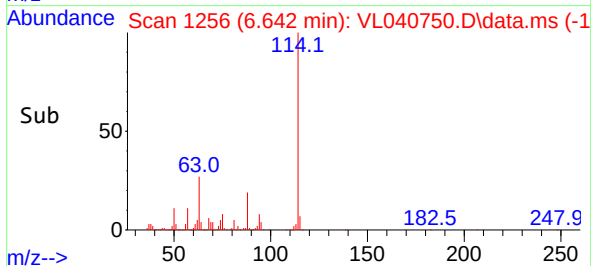
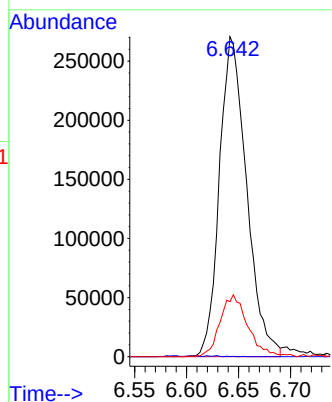
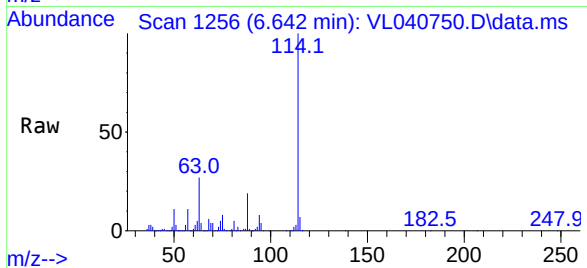
Tgt Ion: 63 Resp: 490935

Ion Ratio Lower Upper

63 100

41 0.1 61.6 92.4#

62 17.2 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.026 min

Lab File: VL040750.D

Acq: 4 Oct 2023 21:33

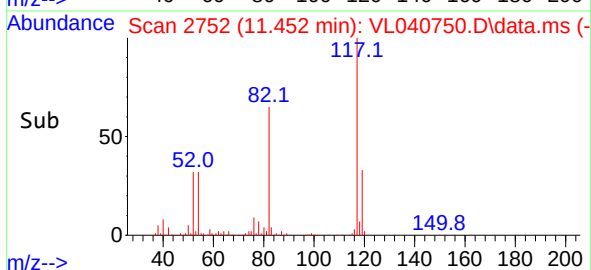
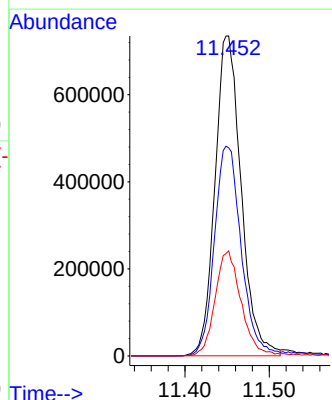
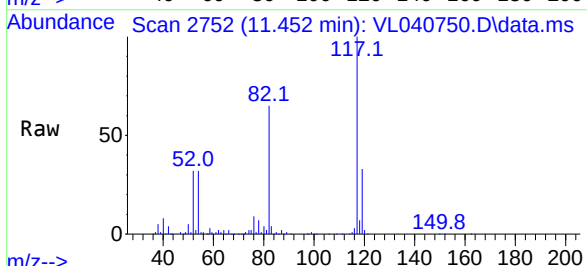
Tgt Ion: 117 Resp: 1583393

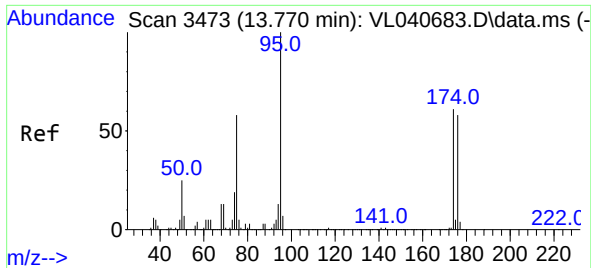
Ion Ratio Lower Upper

117 100

82 69.0 51.4 77.0

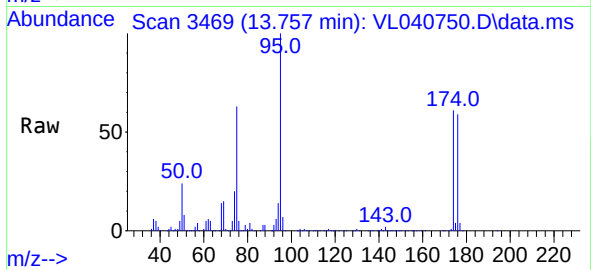
119 33.1 24.7 37.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.220 ppbv
RT: 13.757 min Scan# 34
Delta R.T. -0.029 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 95 Resp: 1250232
Ion Ratio Lower Upper
95 100
174 63.5 48.9 73.3
175 4.3 3.5 5.3

