

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040791.D
 Acq On : 24 Oct 2023 10:50
 Operator : SY/MD
 Sample : QC102323 CAN 10315
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 24 16:13:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 24 16:11:15 2023
 Response via : Initial Calibration

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

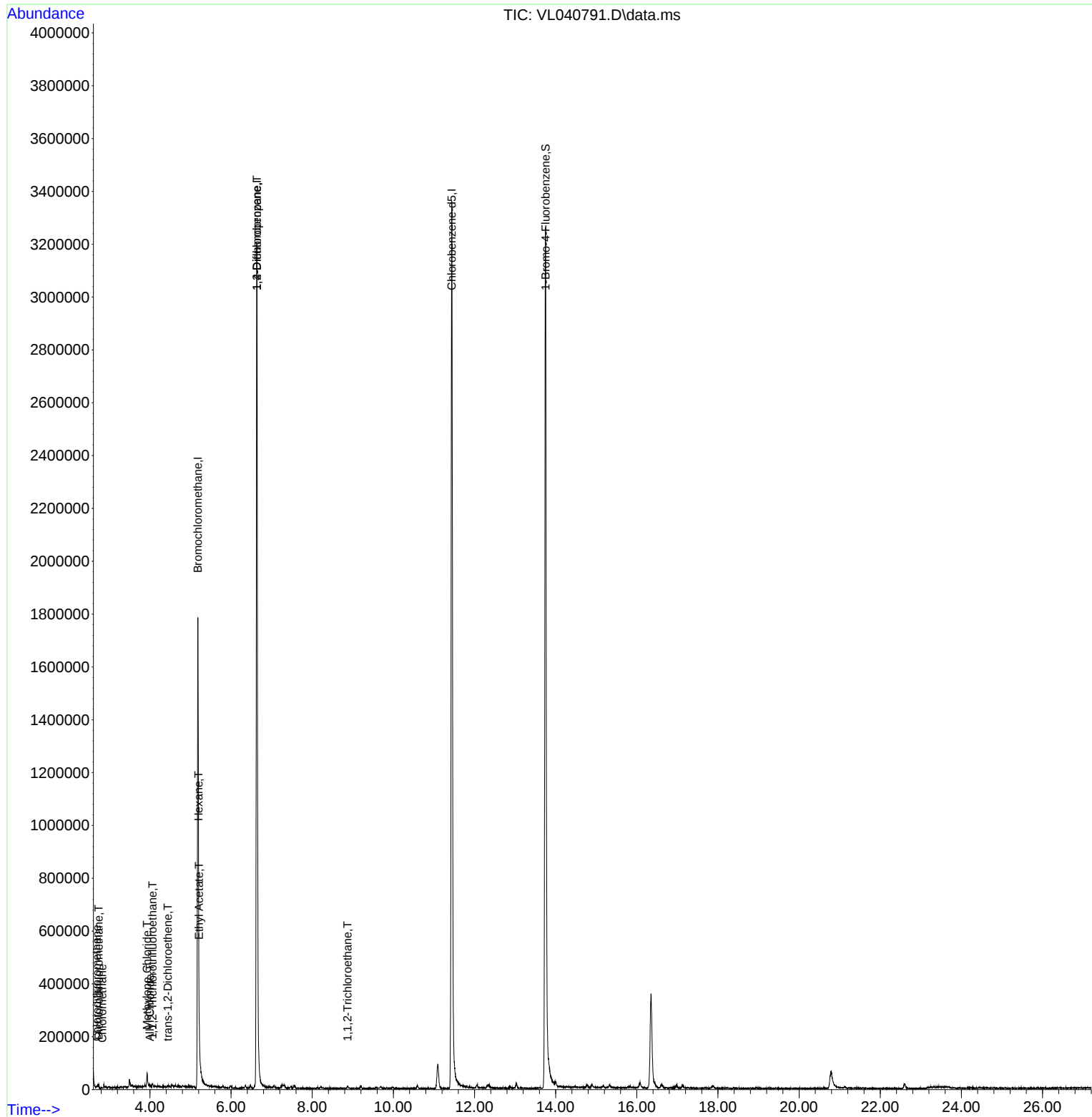
Internal Standards						
1) Bromochloromethane	5.182	49	901225	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.635	114	2567317	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	2312910	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1778079	10.448	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.738	85	5753	0.036	ppbv	93
3) Chlorodifluoromethane	2.687	51	5959	0.045	ppbv	100
4) Chloromethane	2.822	50	1572	0.030	ppbv #	23
12) 1,1,2-Trichlorotrifluo...	4.066	101	3220	0.037	ppbv	90
20) Methylene Chloride	3.928	84	13686	0.353	ppbv #	90
21) Allyl Chloride	3.999	41	2057	0.033	ppbv #	1
22) trans-1,2-Dichloroethene	4.439	96	1436	0.034	ppbv #	31
25) Ethyl Acetate	5.208	43	12624	0.062	ppbv #	78
26) Hexane	5.198	57	8681	0.093	ppbv #	55
39) 1,2-Dichloropropane	6.635	63	614212	7.961	ppbv #	26
47) 1,1,2-Trichloroethane	8.870	97	2948	0.036	ppbv #	36

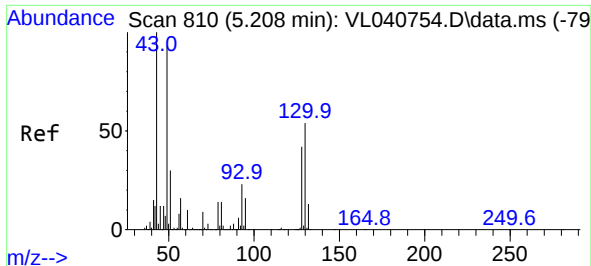
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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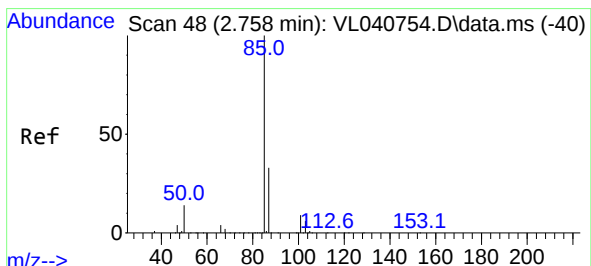
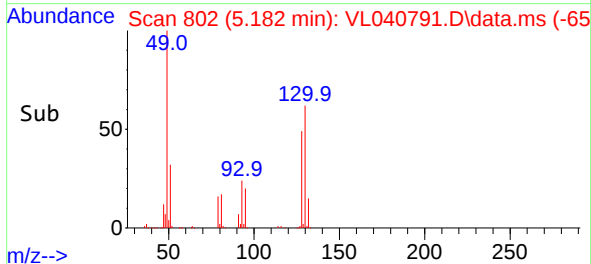
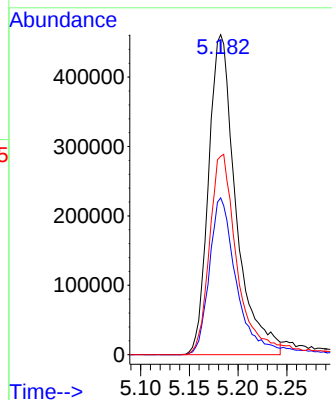
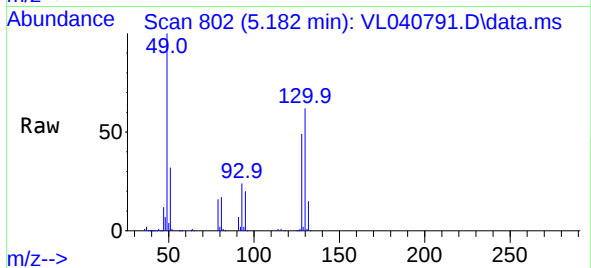




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

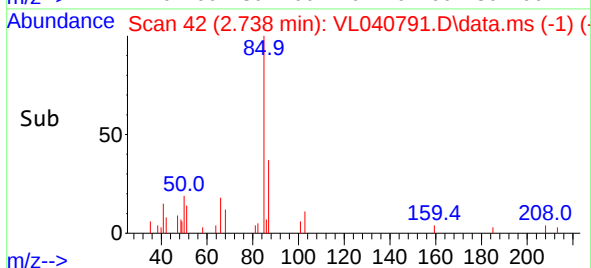
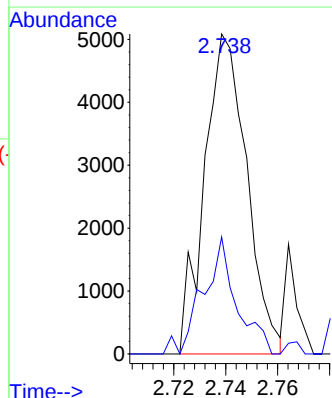
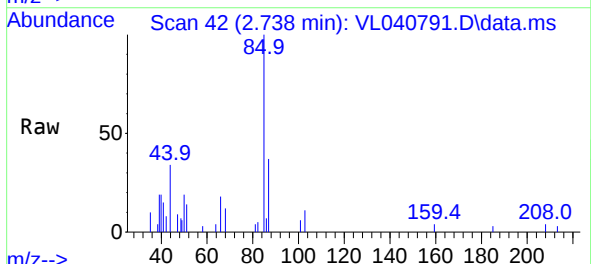
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 901225
Ion Ratio Lower Upper
49 100
128 50.7 23.9 71.7
130 65.9 30.7 92.1

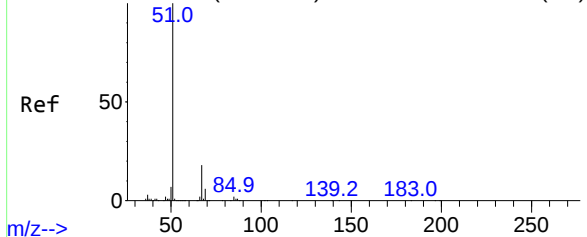


#2
Dichlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.019 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Tgt Ion: 85 Resp: 5753
Ion Ratio Lower Upper
85 100
87 36.6 26.0 39.0



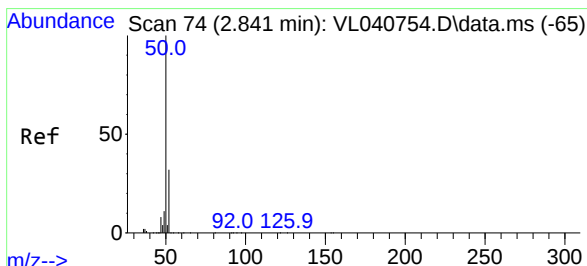
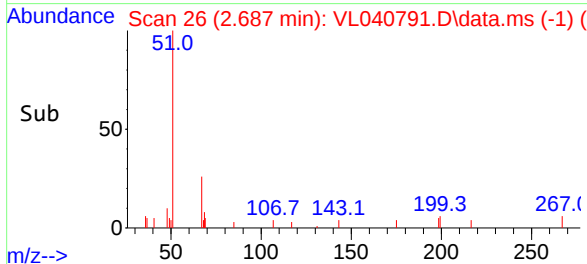
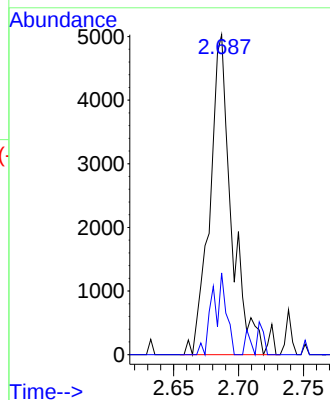
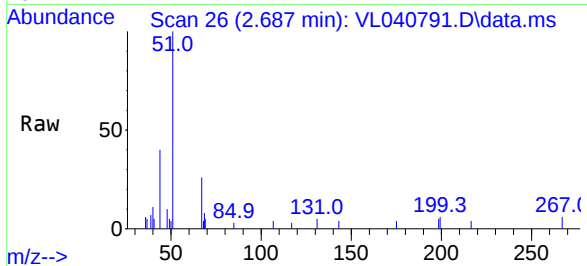
Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)



#3
Chlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.687 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

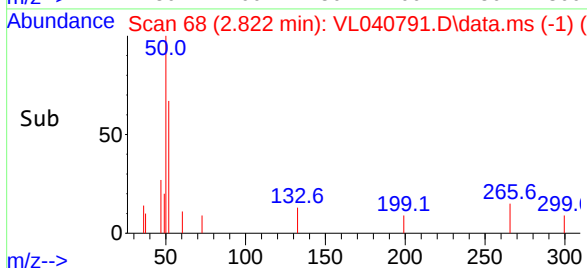
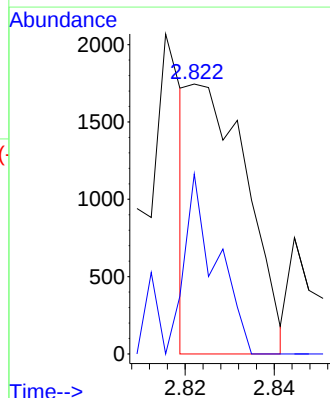
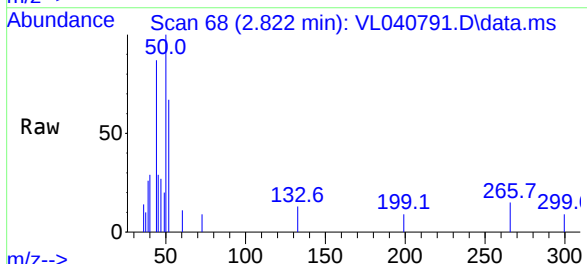
Instrument :
MSVOA_L
ClientSampleId :

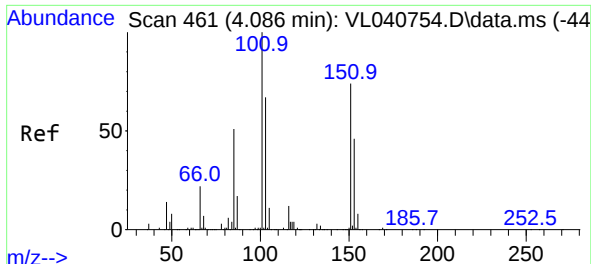
Tgt Ion: 51 Resp: 5959
Ion Ratio Lower Upper
51 100
67 17.4 13.8 20.6



#4
Chloromethane
Concen: 0.030 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.019 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Tgt Ion: 50 Resp: 1572
Ion Ratio Lower Upper
50 100
52 74.2 25.3 37.9#

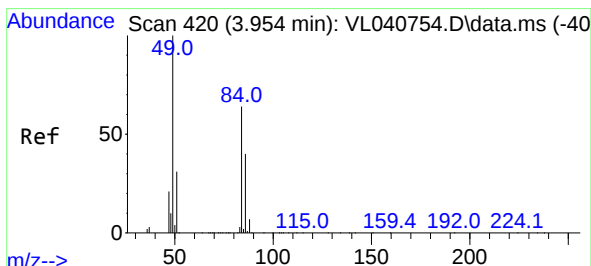
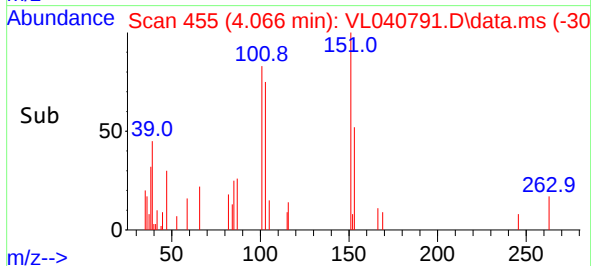
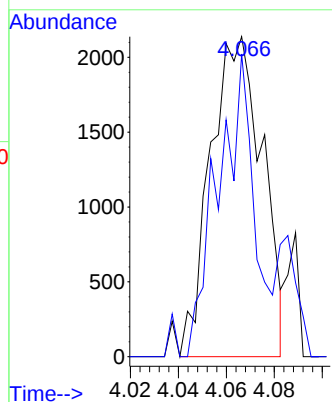
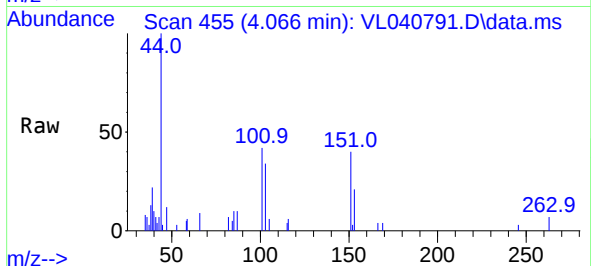




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 4.066 min Scan# 411
Delta R.T. -0.019 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

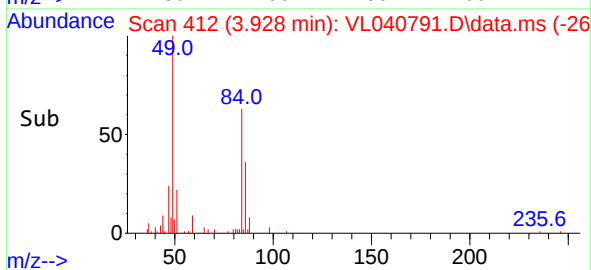
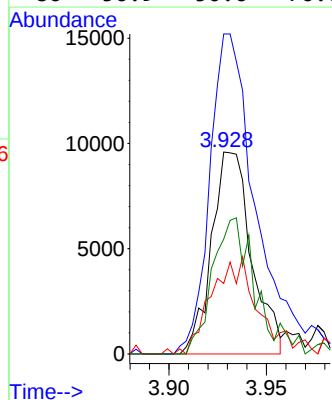
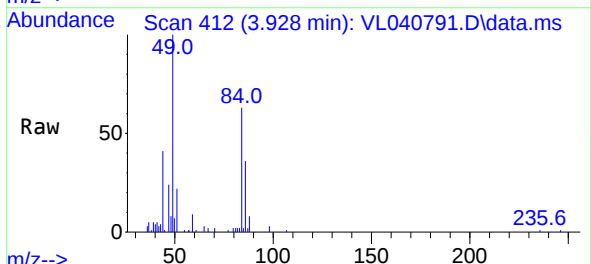
Instrument :
MSVOA_L
ClientSampleId :

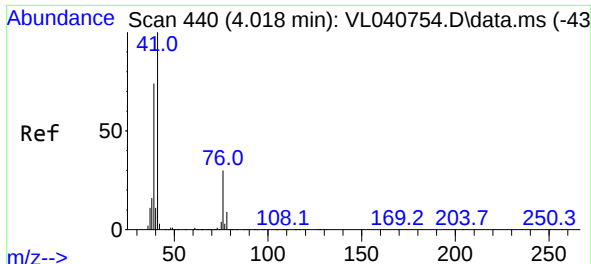
Tgt Ion:101 Resp: 3220
Ion Ratio Lower Upper
101 100
151 81.1 58.1 87.1



#20
Methylene Chloride
Concen: 0.353 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.026 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Tgt Ion: 84 Resp: 13686
Ion Ratio Lower Upper
84 100
49 166.2 125.6 188.4
51 32.4 38.9 58.3#
86 56.9 50.6 76.0





#21

Allyl Chloride

Concen: 0.033 ppbv

RT: 3.999 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL040791.D

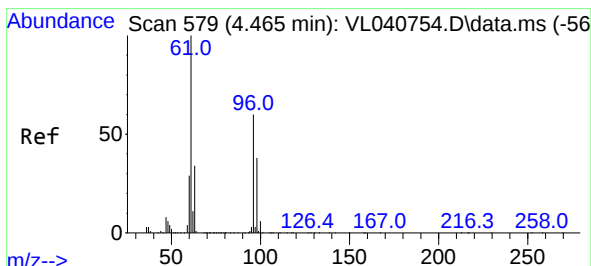
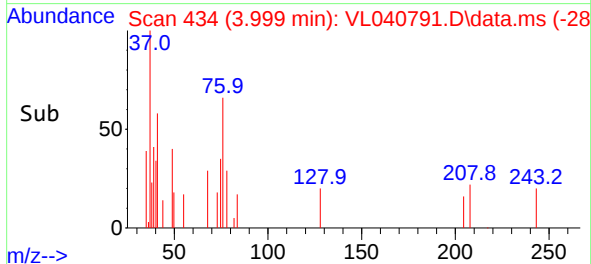
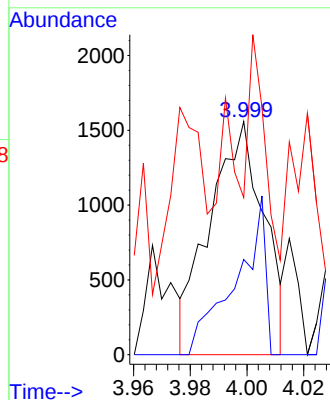
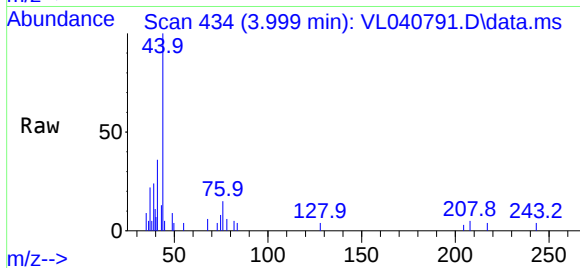
Acq: 24 Oct 2023 10:50

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	41	Resp:	2057
Ion	Ratio	Lower	Upper
41	100		
76	36.7	24.1	36.1#
39	242.3	63.8	95.6#



#22

trans-1,2-Dichloroethene

Concen: 0.034 ppbv

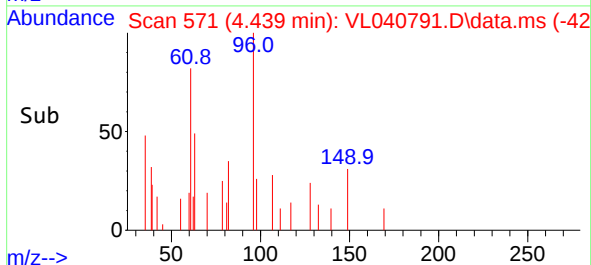
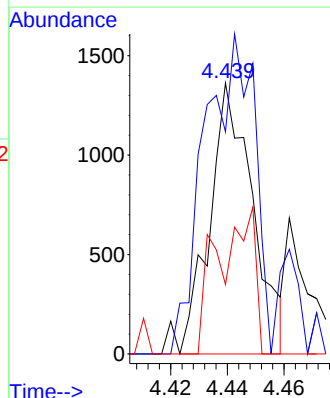
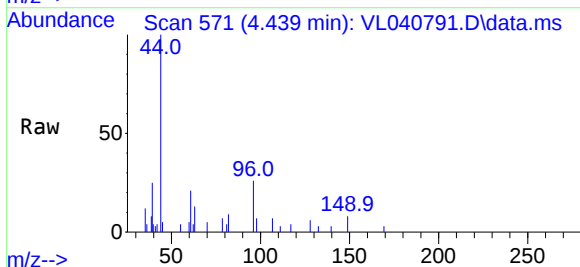
RT: 4.439 min Scan# 571

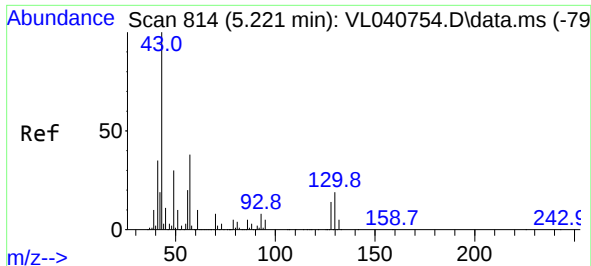
Delta R.T. -0.026 min

Lab File: VL040791.D

Acq: 24 Oct 2023 10:50

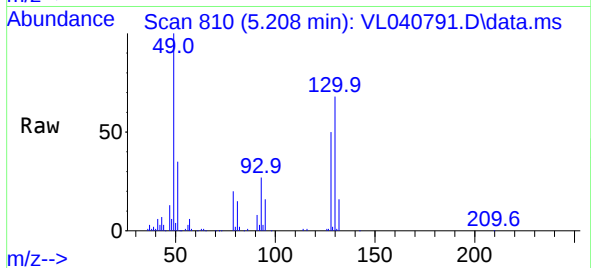
Tgt Ion:	96	Resp:	1436
Ion	Ratio	Lower	Upper
96	100		
61	63.2	134.0	201.0#
98	25.6	51.0	76.4#





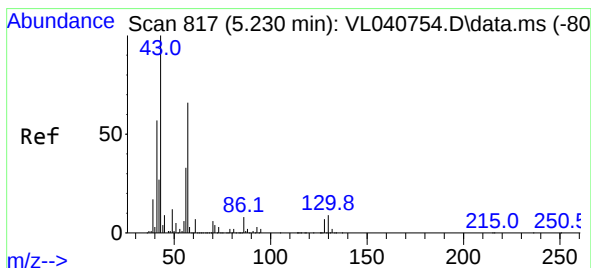
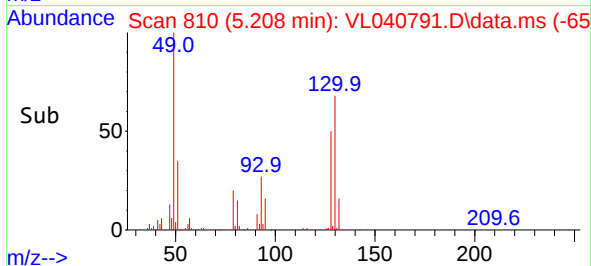
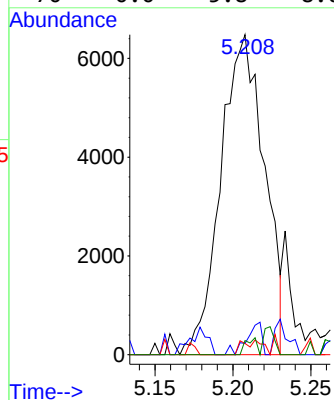
#25
Ethyl Acetate
Concen: 0.062 ppbv
RT: 5.208 min Scan# 814
Delta R.T. -0.013 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 12624

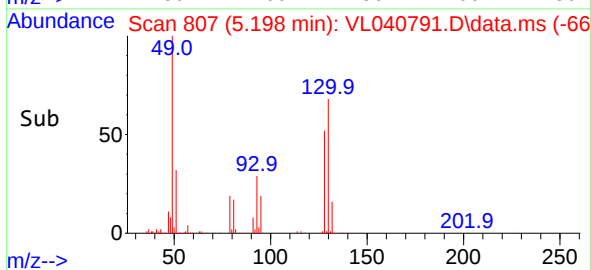
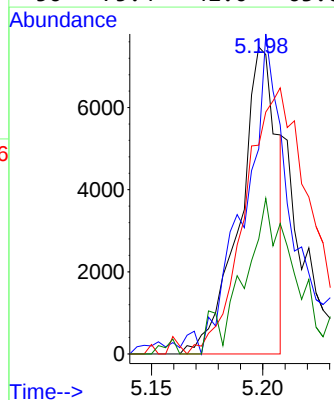
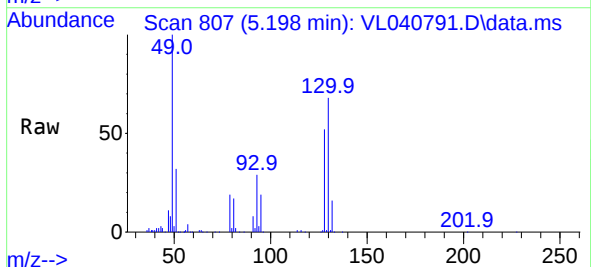
Ion	Ratio	Lower	Upper
43	100		
45	4.1	8.2	12.4#
61	0.0	8.2	12.2#
70	0.0	5.8	8.6#

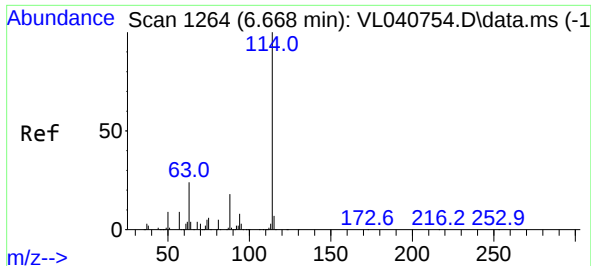


#26
Hexane
Concen: 0.093 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.032 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Tgt Ion: 57 Resp: 8681

Ion	Ratio	Lower	Upper
57	100		
41	148.4	71.4	107.2#
43	162.0	182.3	273.5#
56	75.4	42.0	63.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.032 min

Lab File: VL040791.D

Acq: 24 Oct 2023 10:50

Instrument :

MSVOA_L

ClientSampleId :

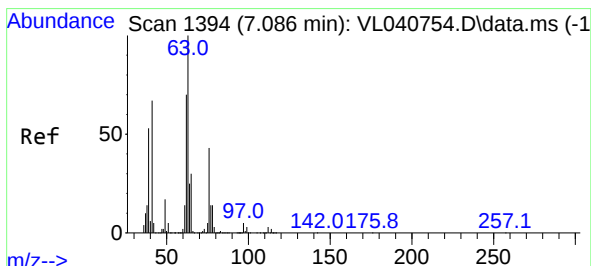
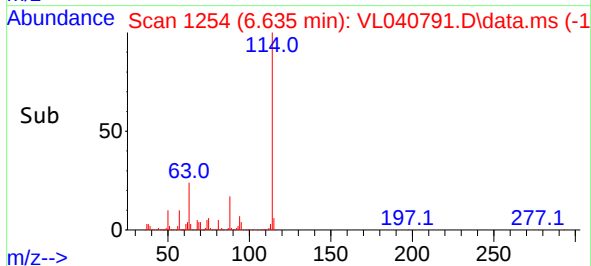
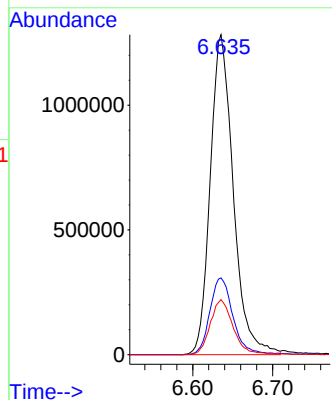
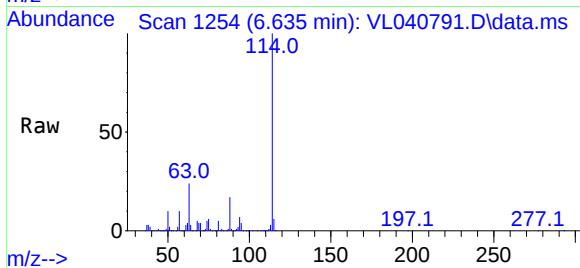
Tgt Ion:114 Resp: 2567317

Ion Ratio Lower Upper

114 100

63 24.3 19.8 29.6

88 17.3 14.2 21.2



#39

1,2-Dichloropropane

Concen: 7.961 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.450 min

Lab File: VL040791.D

Acq: 24 Oct 2023 10:50

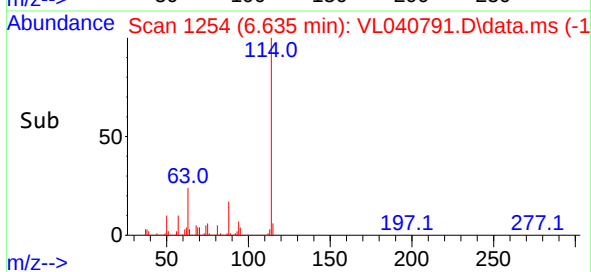
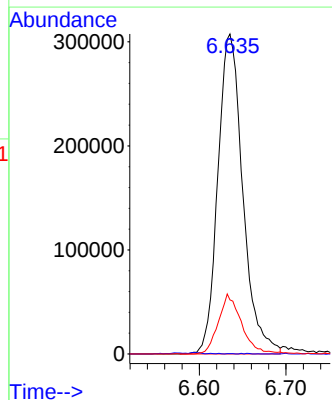
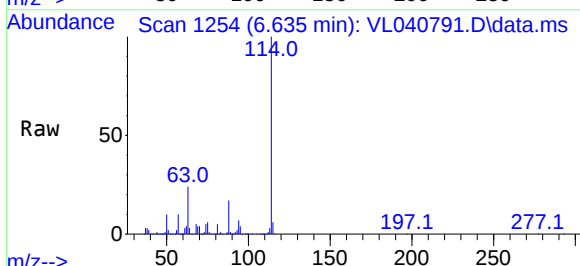
Tgt Ion: 63 Resp: 614212

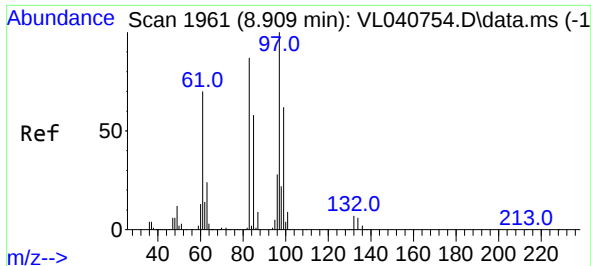
Ion Ratio Lower Upper

63 100

41 0.1 53.7 80.5#

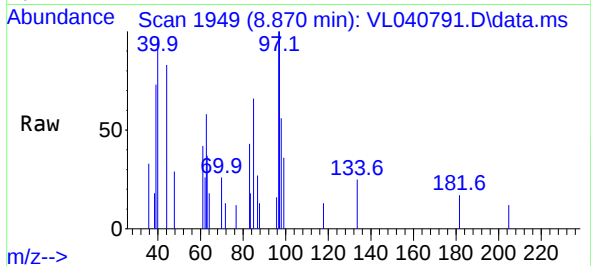
62 16.9 55.7 83.5#





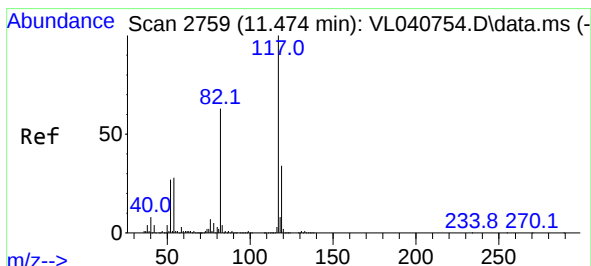
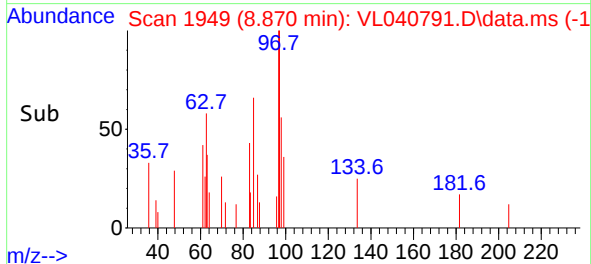
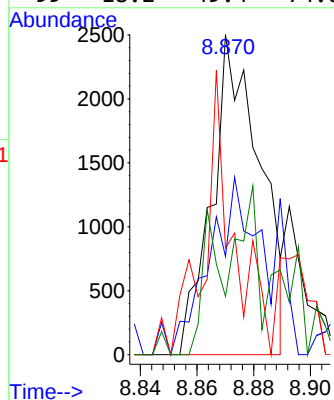
#47
1,1,2-Trichloroethane
Concen: 0.036 ppbv
RT: 8.870 min Scan# 1949
Delta R.T. -0.039 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 97 Resp: 2948

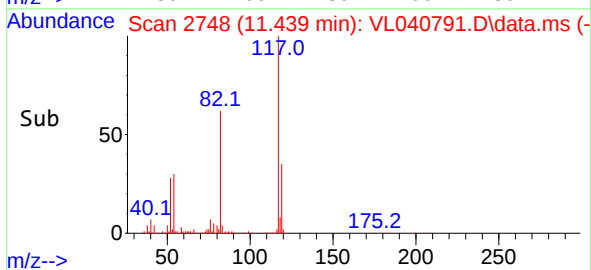
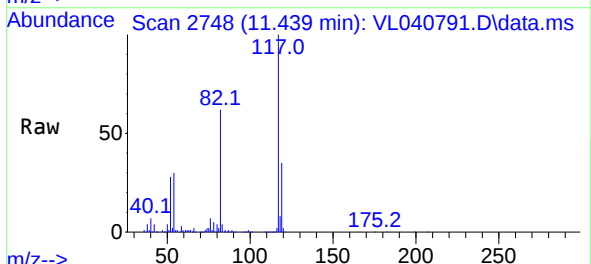
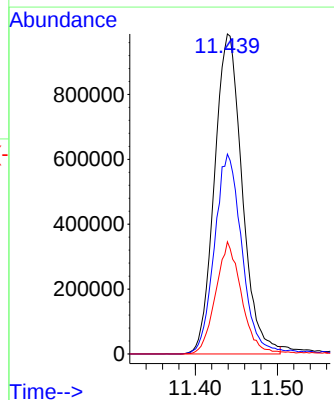
Ion	Ratio	Lower	Upper
97	100		
83	20.3	69.5	104.3#
85	14.7	46.6	69.8#
99	18.2	49.4	74.0#

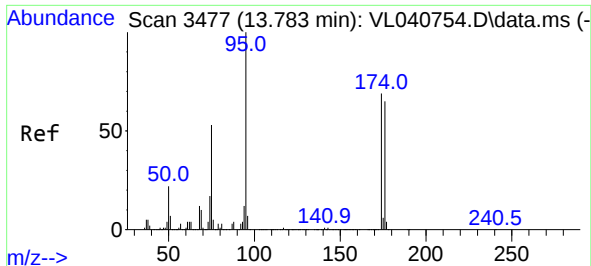


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.035 min
Lab File: VL040791.D
Acq: 24 Oct 2023 10:50

Tgt Ion: 117 Resp: 2312910

Ion	Ratio	Lower	Upper
117	100		
82	63.0	46.6	70.0
119	33.1	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.448 ppbv

RT: 13.751 min Scan# 34

Delta R.T. -0.032 min

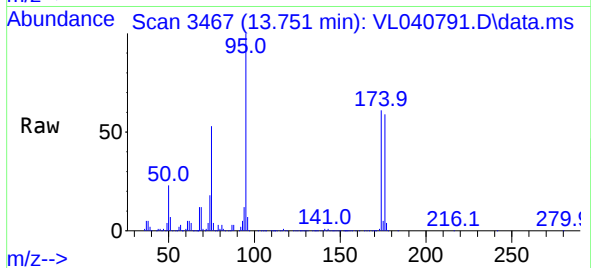
Lab File: VL040791.D

Acq: 24 Oct 2023 10:50

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 1778079

Ion Ratio Lower Upper

95 100

174 64.8 54.7 82.1

175 4.9 4.2 6.4

