

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040749.D
 Acq On : 4 Oct 2023 20:53
 Operator : SY/MD
 Sample : 04716-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 05 04:29:29 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	5.189	49	735863	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	1947839	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	1618946	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1272250	10.171	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

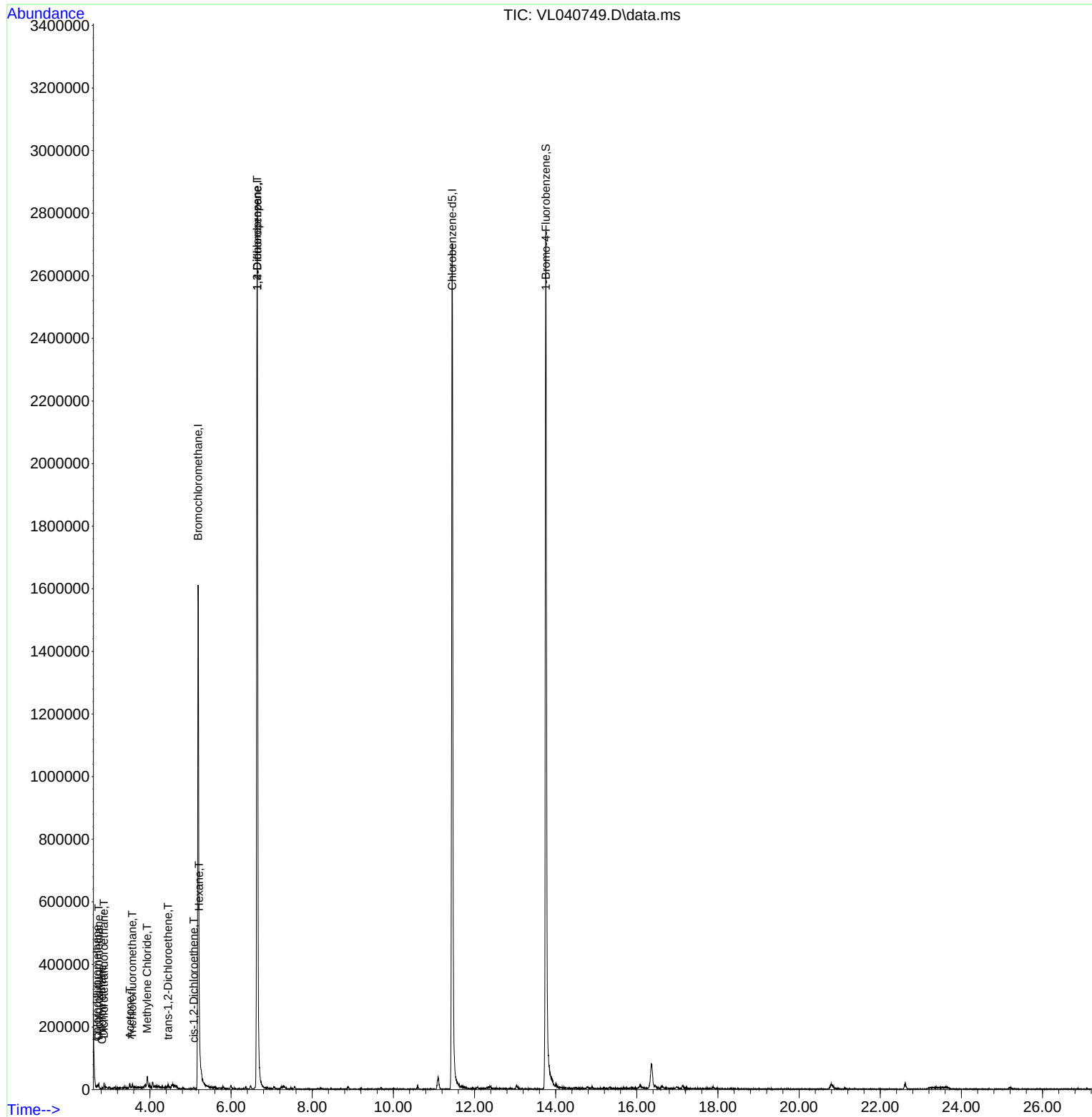
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.739	85	7198	0.044	ppbv	89
3) Chlorodifluoromethane	2.694	51	5868	0.049	ppbv	94
4) Chloromethane	2.819	50	1404	0.031	ppbv #	55
8) Dichlorotetrafluoroethane	2.867	85	5623	0.042	ppbv	85
11) Trichlorofluoromethane	3.568	101	7021	0.049	ppbv	93
15) Acetone	3.504	43	9800	0.101	ppbv #	66
20) Methylene Chloride	3.931	84	4761	0.091	ppbv #	75
22) trans-1,2-Dichloroethene	4.446	96	2029	0.045	ppbv #	82
26) Hexane	5.211	57	2289	0.031	ppbv #	11
31) cis-1,2-Dichloroethene	5.079	61	2596	0.038	ppbv #	83
39) 1,2-Dichloropropane	6.642	63	497313	8.957	ppbv #	24

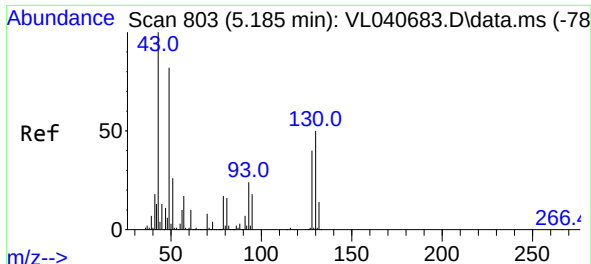
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
Data File : VL040749.D
Acq On : 4 Oct 2023 20:53
Operator : SY/MD
Sample : 04716-13 LOD 0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 05 04:29:29 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

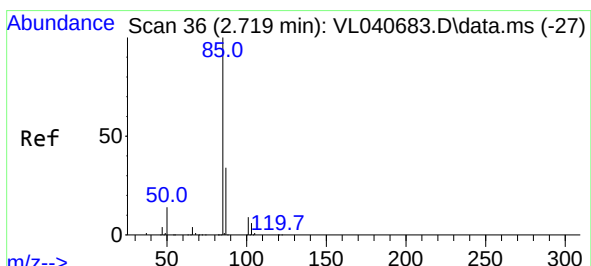
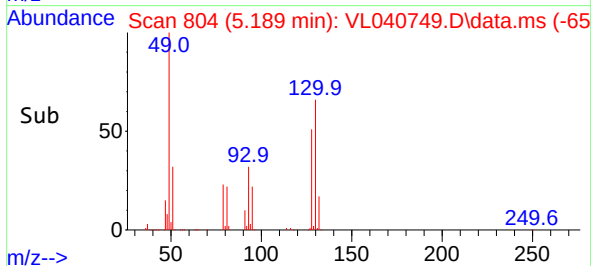
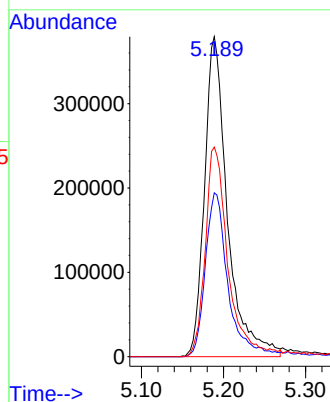
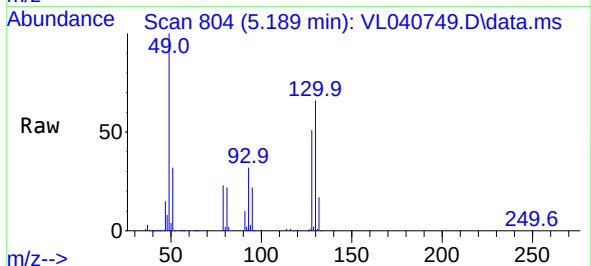




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.009 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

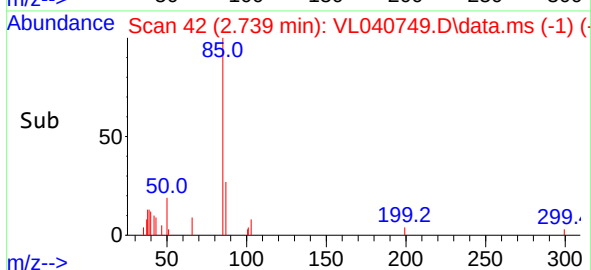
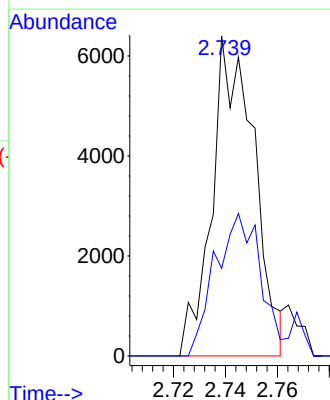
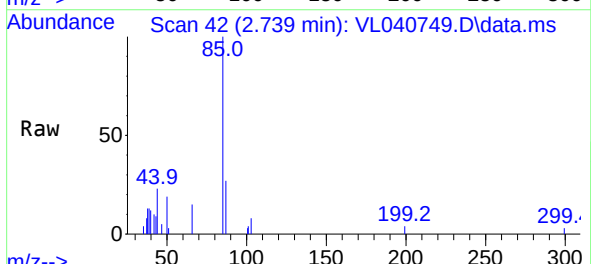
Instrument :
MSVOA_L
ClientSampleId :

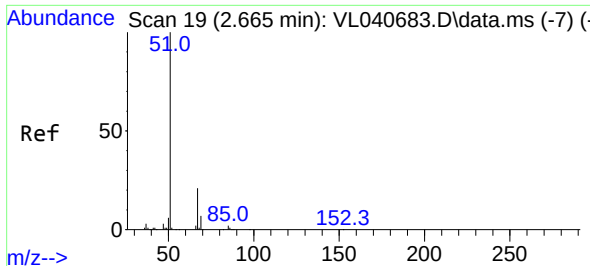
Tgt Ion: 49 Resp: 735863
Ion Ratio Lower Upper
49 100
128 52.6 25.4 76.0
130 67.7 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.007 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

Tgt Ion: 85 Resp: 7198
Ion Ratio Lower Upper
85 100
87 27.4 27.2 40.8

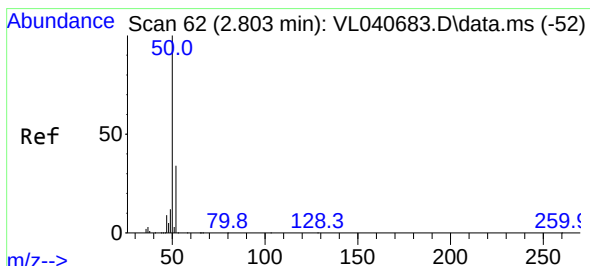
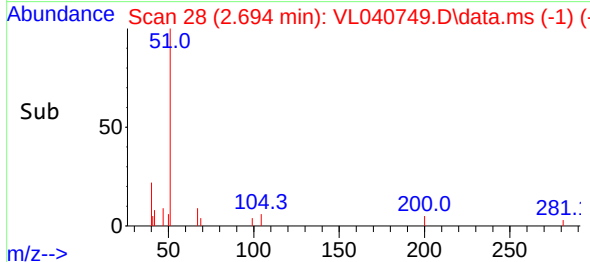
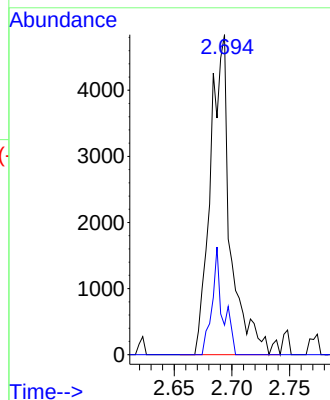
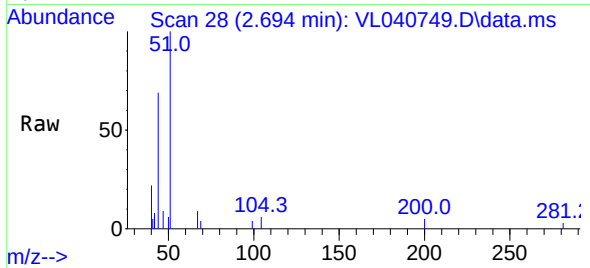




#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

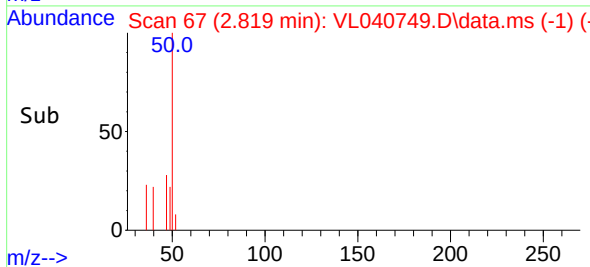
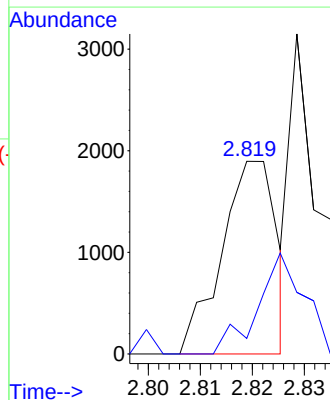
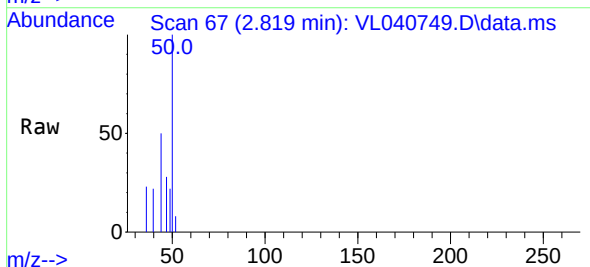
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 5868
Ion Ratio Lower Upper
51 100
67 18.0 16.7 25.1

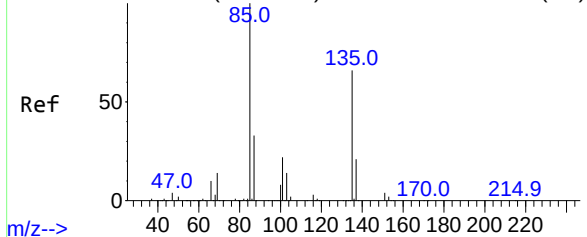


#4
Chloromethane
Concen: 0.031 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

Tgt Ion: 50 Resp: 1404
Ion Ratio Lower Upper
50 100
52 8.1 27.1 40.7#



Abundance Scan 76 (2.848 min): VL040683.D\data.ms (-66)

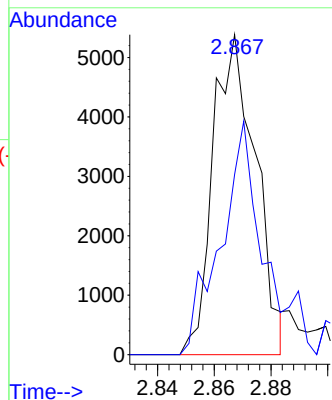
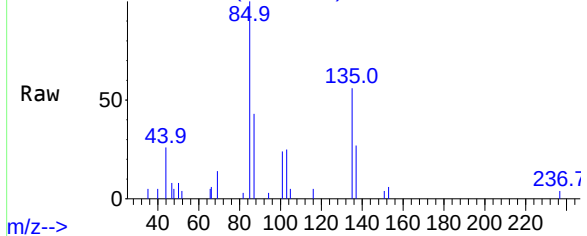


#8
Dichlorotetrafluoroethane
Concen: 0.042 ppbv
RT: 2.867 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

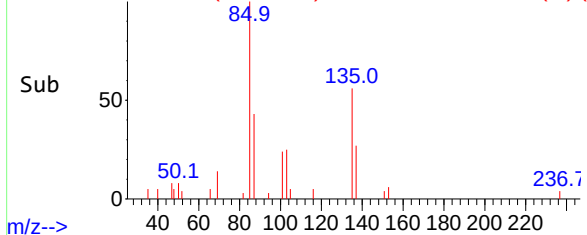
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 5623
Ion Ratio Lower Upper
85 100
135 78.4 53.4 80.2

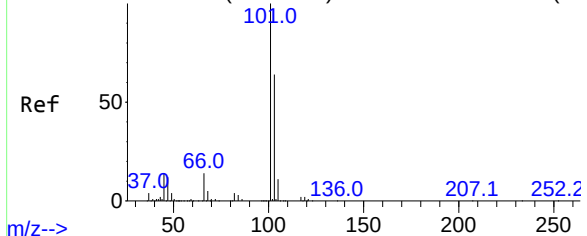
Abundance Scan 82 (2.867 min): VL040749.D\data.ms



Abundance Scan 82 (2.867 min): VL040749.D\data.ms (-1)



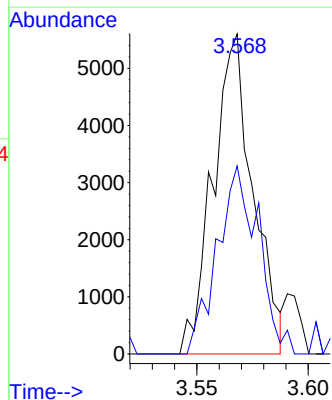
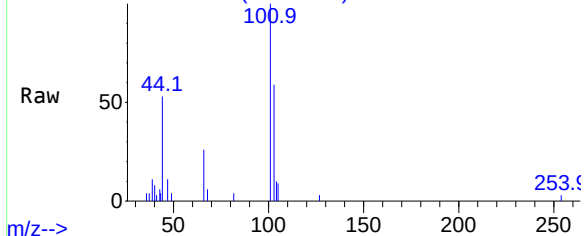
Abundance Scan 295 (3.552 min): VL040683.D\data.ms (-28)



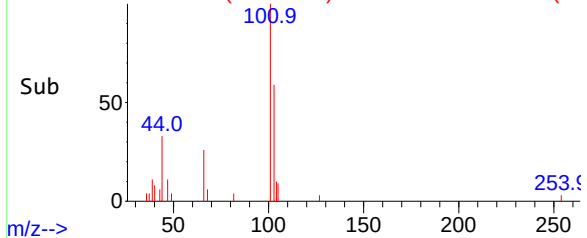
#11
Trichlorofluoromethane
Concen: 0.049 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.000 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

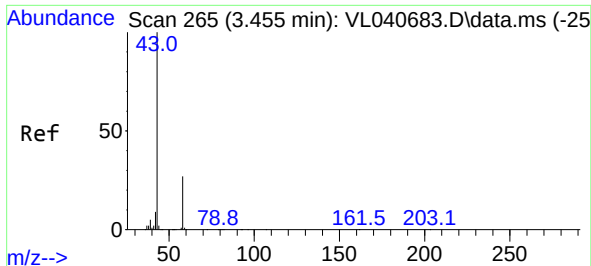
Tgt Ion: 101 Resp: 7021
Ion Ratio Lower Upper
101 100
103 58.7 51.3 76.9

Abundance Scan 300 (3.568 min): VL040749.D\data.ms



Abundance Scan 300 (3.568 min): VL040749.D\data.ms (-14)

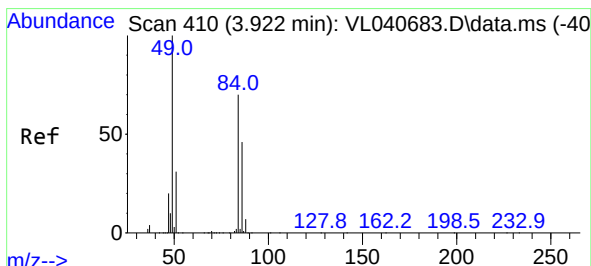
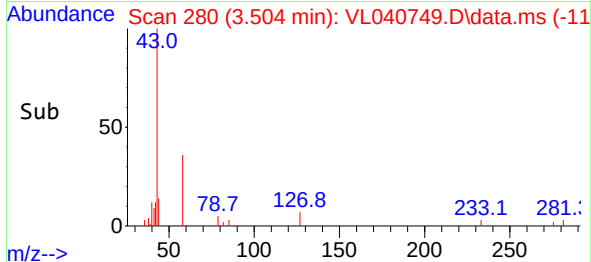
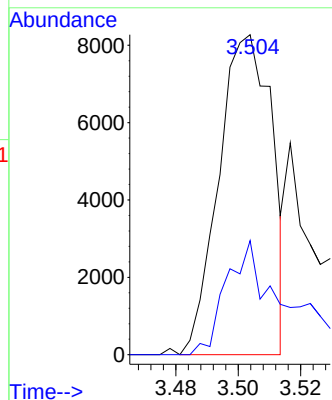
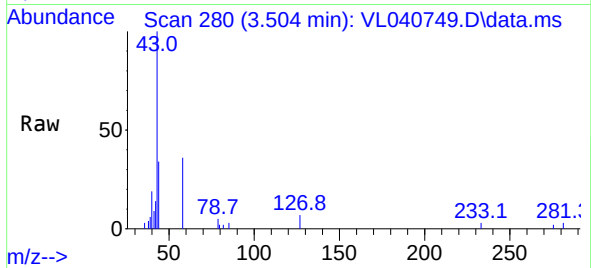




#15
Acetone
Concen: 0.101 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

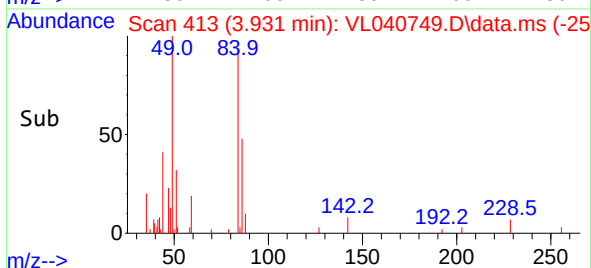
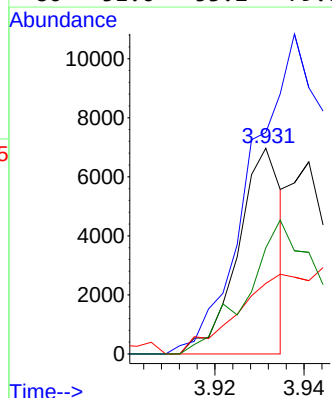
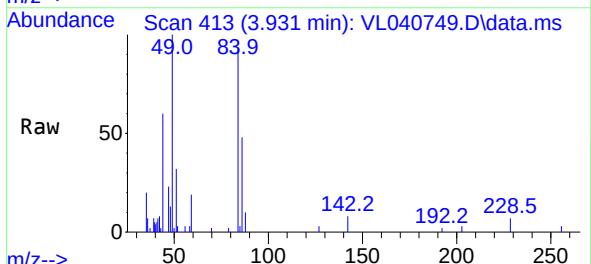
Instrument :
MSVOA_L
ClientSampleId :

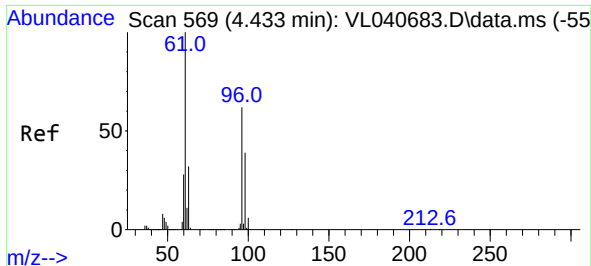
Tgt Ion: 43 Resp: 9800
Ion Ratio Lower Upper
43 100
58 46.3 22.6 34.0#



#20
Methylene Chloride
Concen: 0.091 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.006 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

Tgt Ion: 84 Resp: 4761
Ion Ratio Lower Upper
84 100
49 103.6 114.4 171.6#
51 37.8 35.5 53.3
86 51.6 53.2 79.8#

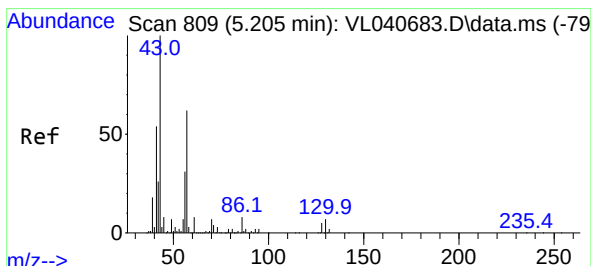
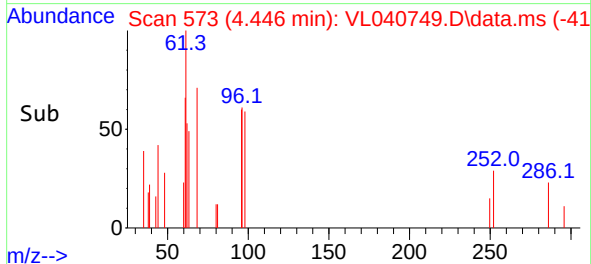
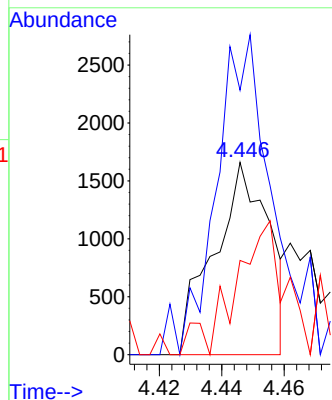
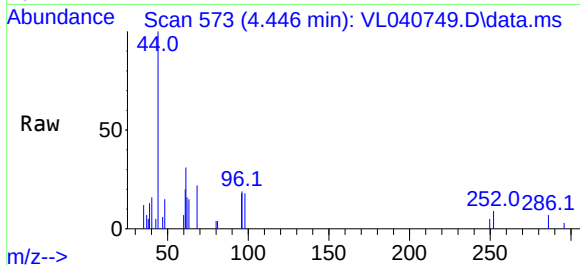




#22
trans-1,2-Dichloroethene
Concen: 0.045 ppbv
RT: 4.446 min Scan# 51
Delta R.T. -0.006 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

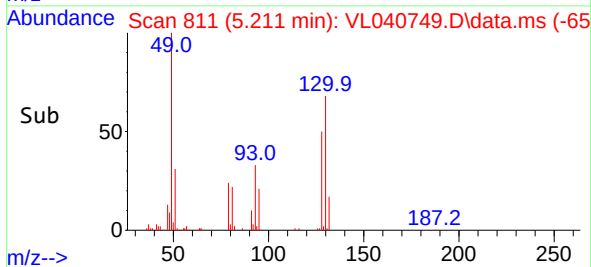
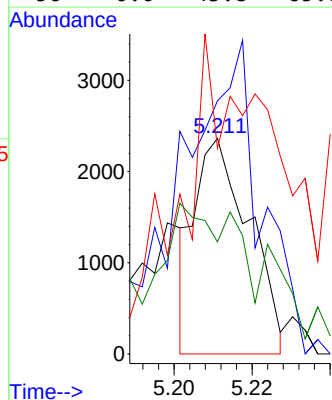
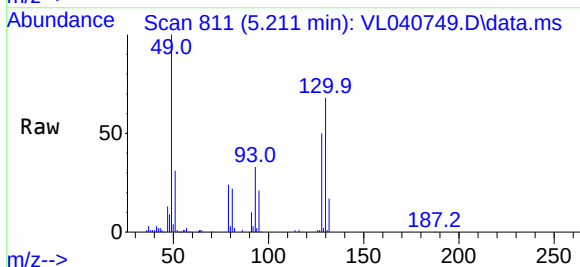
Instrument :
MSVOA_L
ClientSampleId :

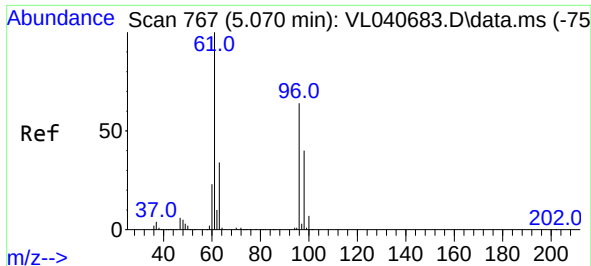
Tgt Ion: 96 Resp: 2029
Ion Ratio Lower Upper
96 100
61 137.5 129.9 194.9
98 49.0 50.2 75.4#



#26
Hexane
Concen: 0.031 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

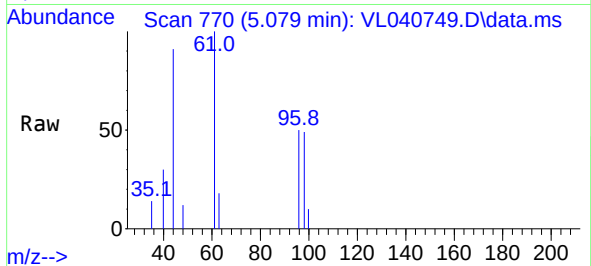
Tgt Ion: 57 Resp: 2289
Ion Ratio Lower Upper
57 100
41 221.9 75.2 112.8#
43 355.2 185.6 278.4#
56 0.0 43.8 65.8#





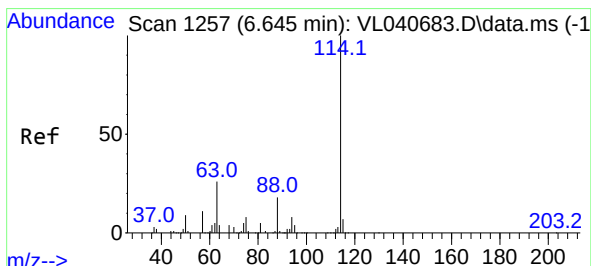
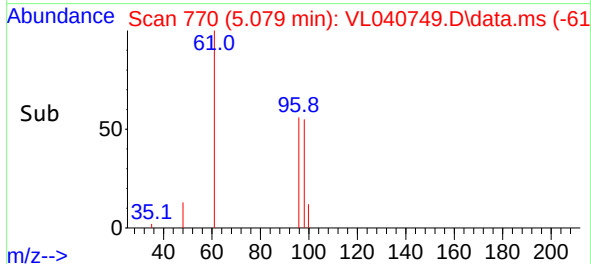
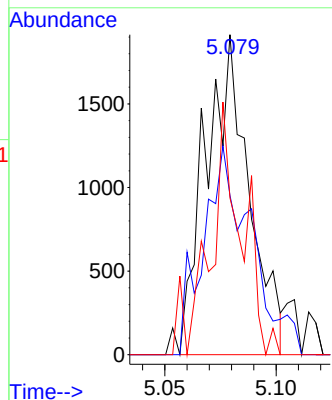
#31
 cis-1,2-Dichloroethene
 Concen: 0.038 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VL040749.D
 Acq: 4 Oct 2023 20:53

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 2596

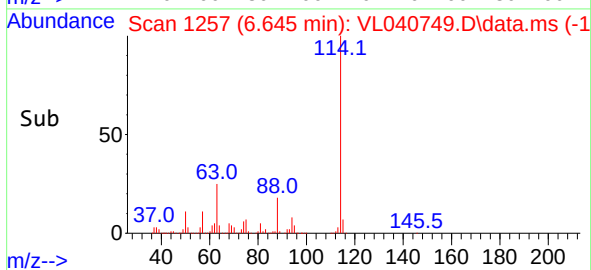
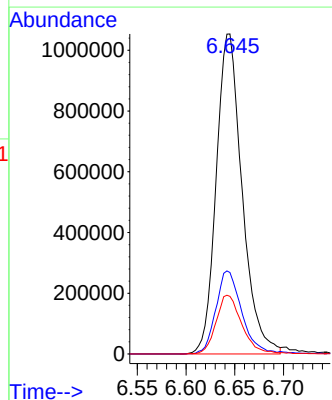
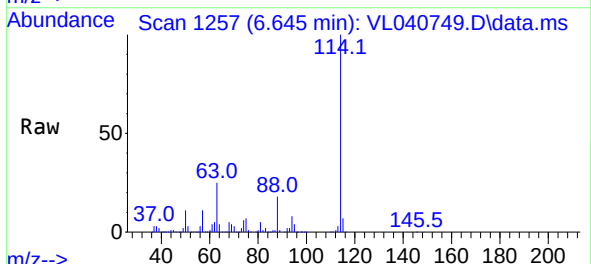
Ion	Ratio	Lower	Upper
61	100		
96	49.8	51.2	76.8#
98	49.0	32.3	48.5#

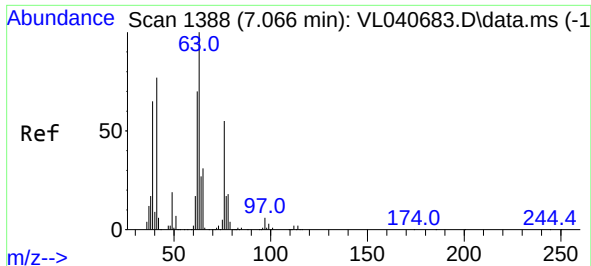


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.645 min Scan# 1257
 Delta R.T. -0.016 min
 Lab File: VL040749.D
 Acq: 4 Oct 2023 20:53

Tgt Ion: 114 Resp: 1947839

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.1	31.7
88	18.5	14.5	21.7





#39

1,2-Dichloropropane

Concen: 8.957 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.440 min

Lab File: VL040749.D

Acq: 4 Oct 2023 20:53

Instrument :

MSVOA_L

ClientSampleId :

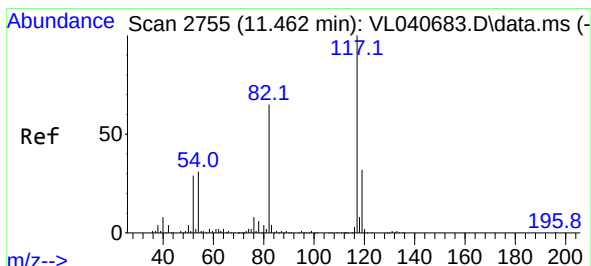
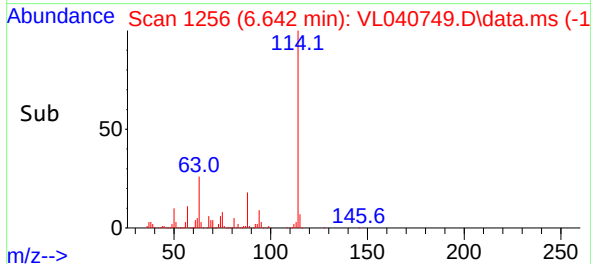
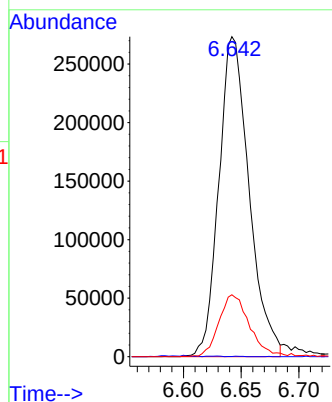
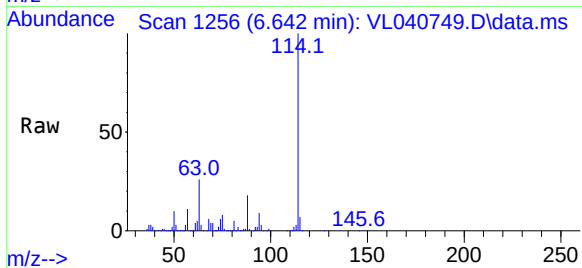
Tgt Ion: 63 Resp: 497313

Ion Ratio Lower Upper

63 100

41 0.1 61.6 92.4#

62 19.3 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 2751

Delta R.T. -0.029 min

Lab File: VL040749.D

Acq: 4 Oct 2023 20:53

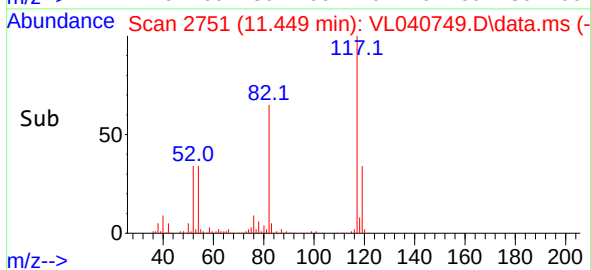
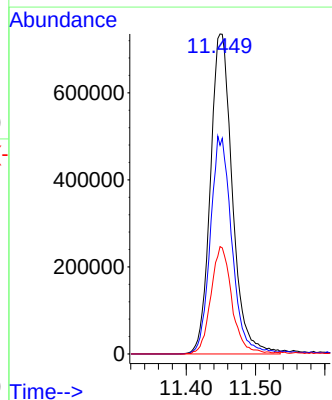
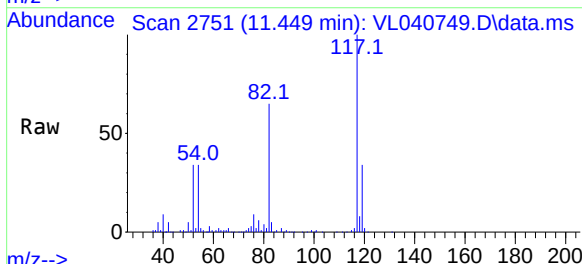
Tgt Ion: 117 Resp: 1618946

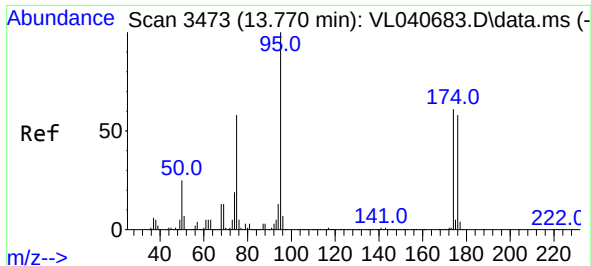
Ion Ratio Lower Upper

117 100

82 68.1 51.4 77.0

119 32.5 24.7 37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.171 ppbv

RT: 13.757 min Scan# 34

Delta R.T. -0.029 min

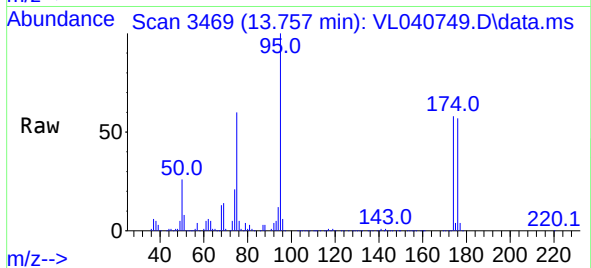
Lab File: VL040749.D

Acq: 4 Oct 2023 20:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 1272250

Ion Ratio Lower Upper

95 100

174 62.4 48.9 73.3

175 4.3 3.5 5.3

