

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040773.D
 Acq On : 12 Oct 2023 2:26
 Operator : SY/MD
 Sample : 04699-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 13 01:22:27 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 : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	920936	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2642377	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2405780	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1842091	10.406	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

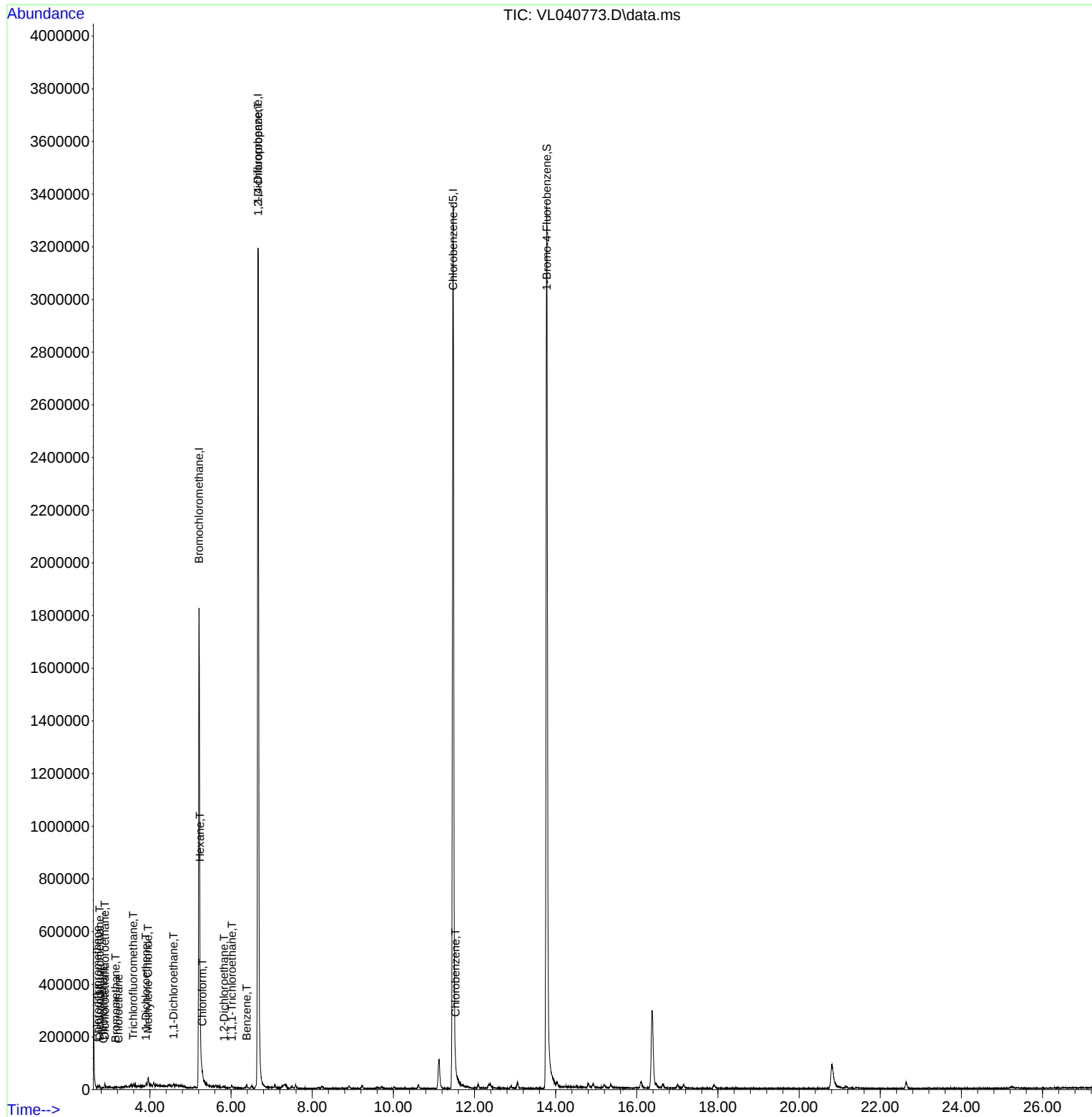
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.761	85	6784	0.042	ppbv	91
3) Chlorodifluoromethane	2.703	51	6009	0.044	ppbv	95
4) Chloromethane	2.851	50	2376	0.044	ppbv #	63
6) Bromomethane	3.157	94	699	0.031	ppbv #	4
7) Chloroethane	3.227	64	664	0.037	ppbv #	43
8) Dichlorotetrafluoroethane	2.890	85	5711	0.046	ppbv	95
11) Trichlorofluoromethane	3.591	101	4493	0.036	ppbv #	39
18) 1,1-Dichloroethene	3.899	96	1879	0.047	ppbv #	55
20) Methylene Chloride	3.954	84	5659	0.143	ppbv	96
24) 1,1-Dichloroethane	4.584	63	2795	0.031	ppbv #	89
26) Hexane	5.230	57	4561	0.048	ppbv #	32
29) Chloroform	5.292	83	4670	0.034	ppbv #	46
32) 1,1,1-Trichloroethane	6.018	97	4554	0.031	ppbv #	76
36) Benzene	6.388	78	8326	0.041	ppbv #	86
37) 1,2-Dichloroethane	5.828	62	3594	0.035	ppbv	97
39) 1,2-Dichloropropane	6.668	63	627029	7.897	ppbv #	26
57) Chlorobenzene	11.532	112	5218	0.030	ppbv #	73

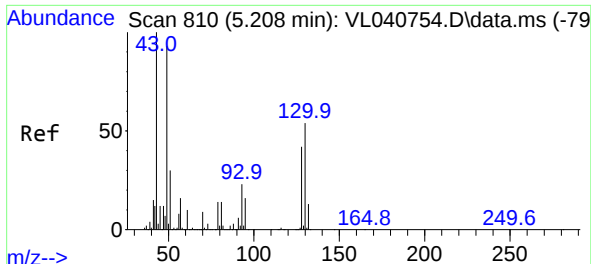
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
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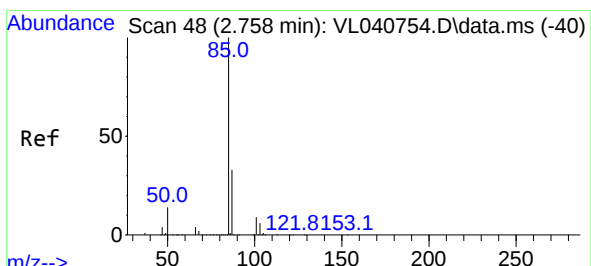
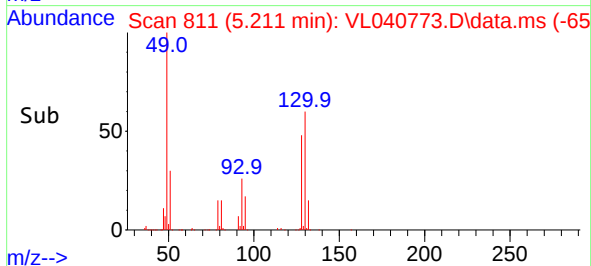
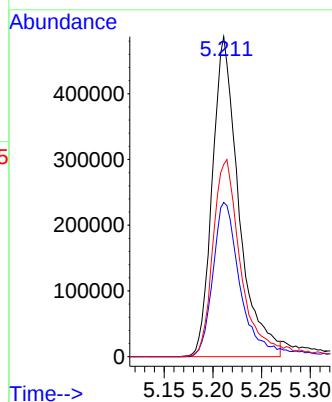
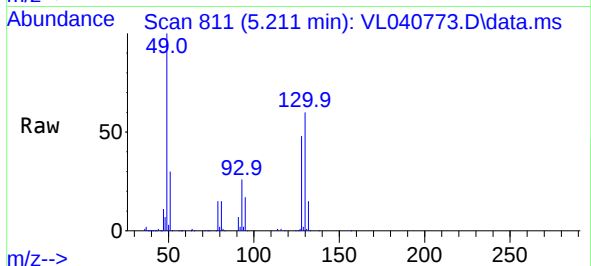




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

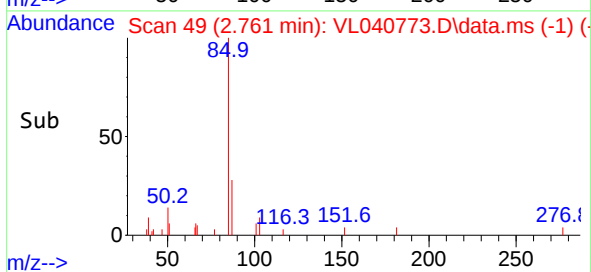
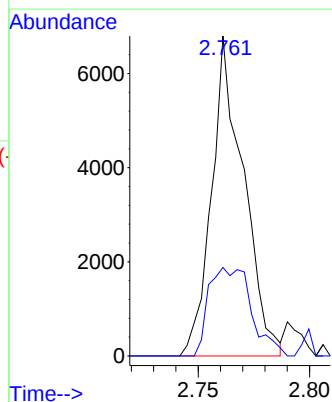
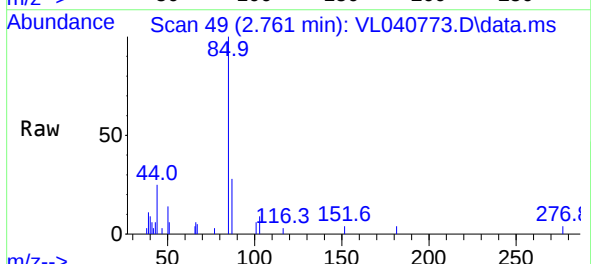
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 920936
Ion Ratio Lower Upper
49 100
128 52.0 23.9 71.7
130 68.8 30.7 92.1

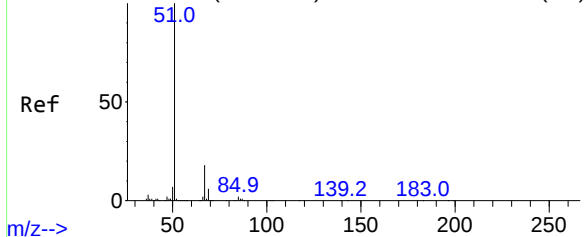


#2
Dichlorodifluoromethane
Concen: 0.042 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

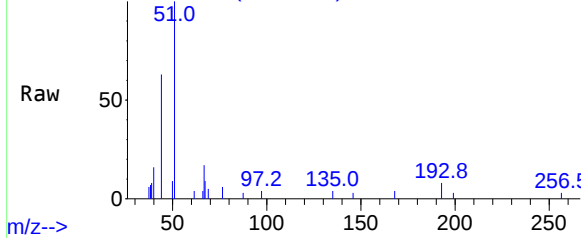
Tgt Ion: 85 Resp: 6784
Ion Ratio Lower Upper
85 100
87 27.6 26.0 39.0



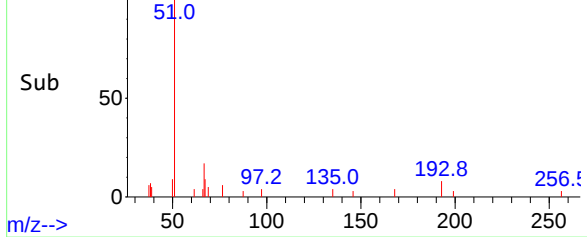
Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)



Abundance Scan 31 (2.703 min): VL040773.D\data.ms



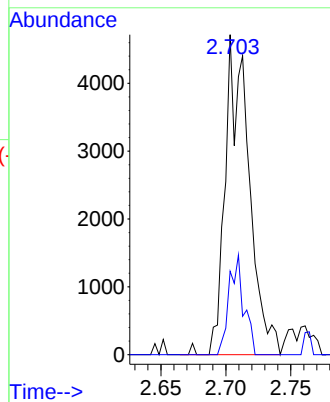
Abundance Scan 31 (2.703 min): VL040773.D\data.ms (-1) (-)



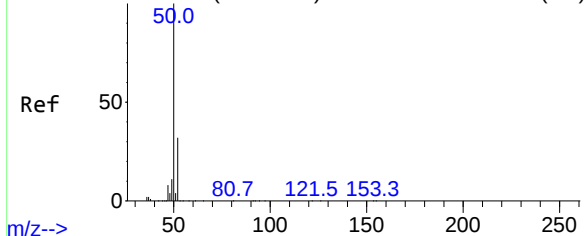
#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Instrument :
MSVOA_L
ClientSampleId :

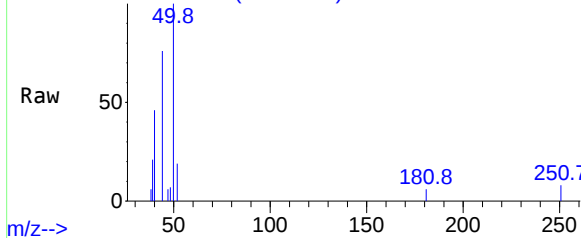
Tgt Ion: 51 Resp: 6009
Ion Ratio Lower Upper
51 100
67 19.3 13.8 20.6



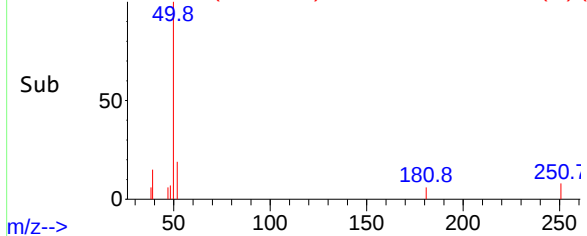
Abundance Scan 74 (2.841 min): VL040754.D\data.ms (-65)



Abundance Scan 77 (2.851 min): VL040773.D\data.ms

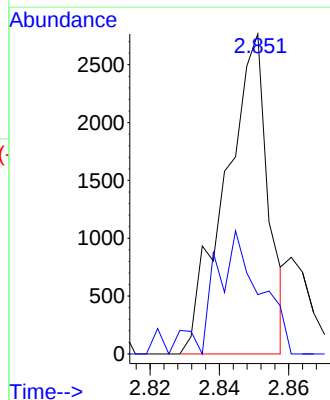


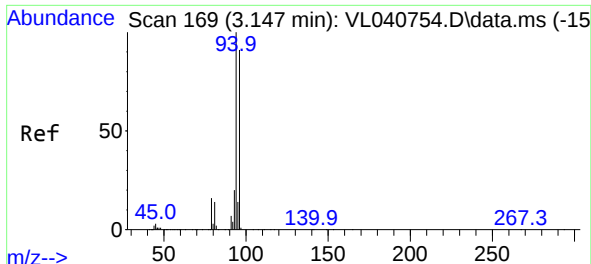
Abundance Scan 77 (2.851 min): VL040773.D\data.ms (-1) (-)



#4
Chloromethane
Concen: 0.044 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.010 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Tgt Ion: 50 Resp: 2376
Ion Ratio Lower Upper
50 100
52 11.2 25.3 37.9#

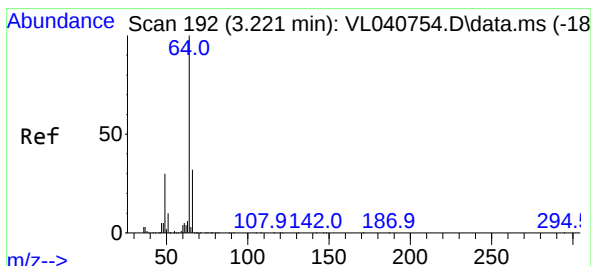
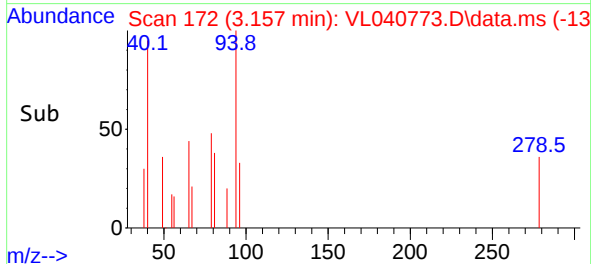
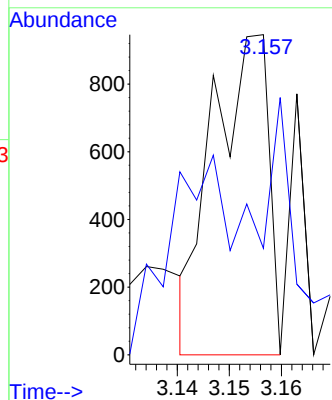
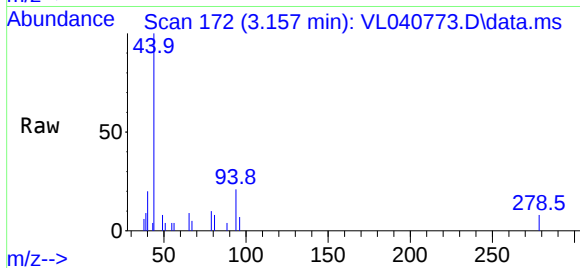




#6
Bromomethane
Concen: 0.031 ppbv
RT: 3.157 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

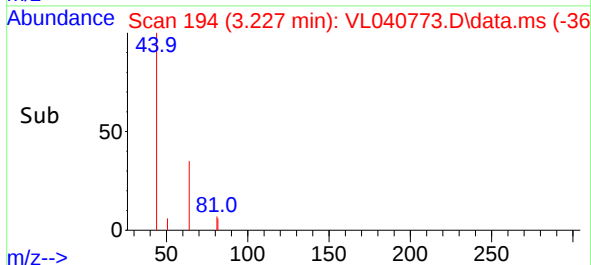
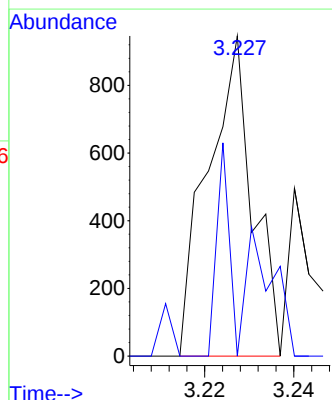
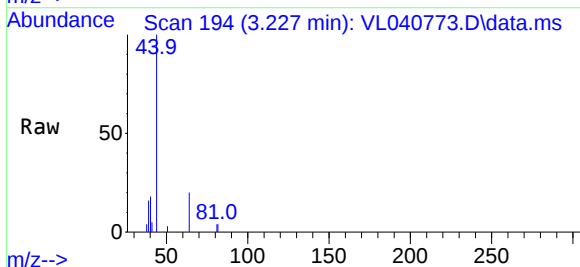
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 94 Resp: 699
Ion Ratio Lower Upper
94 100
96 0.0 72.6 109.0#

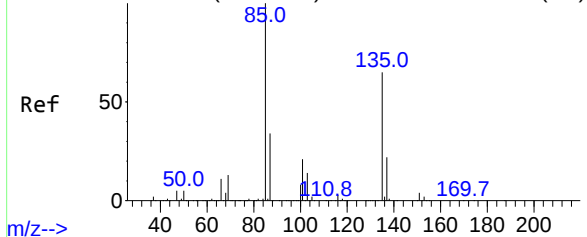


#7
Chloroethane
Concen: 0.037 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.007 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Tgt Ion: 64 Resp: 664
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



Abundance Scan 87 (2.883 min): VL040754.D\data.ms (-79)

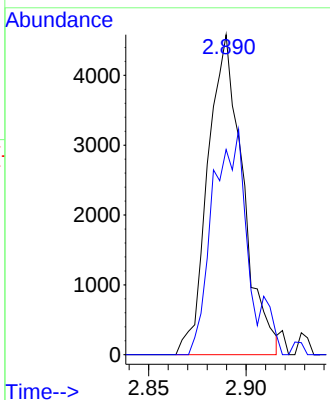
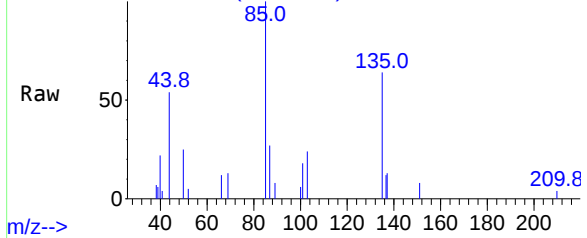


#8
Dichlorotetrafluoroethane
Concen: 0.046 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.007 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

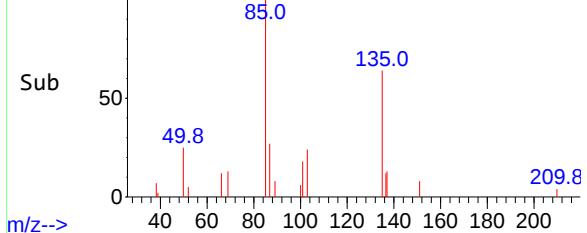
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 5711
Ion Ratio Lower Upper
85 100
135 73.2 55.4 83.2

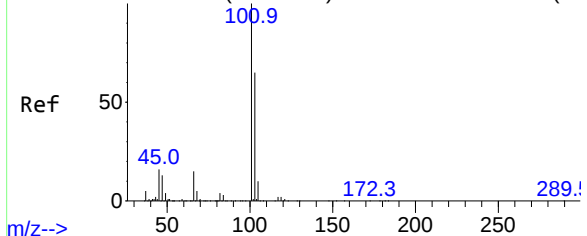
Abundance Scan 89 (2.890 min): VL040773.D\data.ms



Abundance Scan 89 (2.890 min): VL040773.D\data.ms (-1)



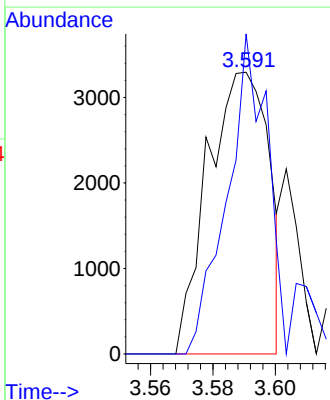
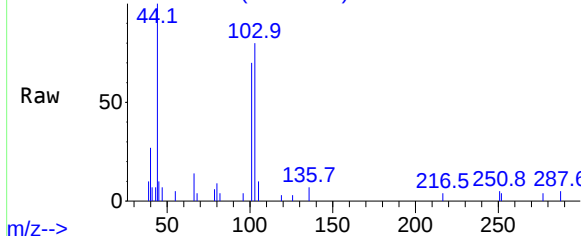
Abundance Scan 305 (3.584 min): VL040754.D\data.ms (-29)



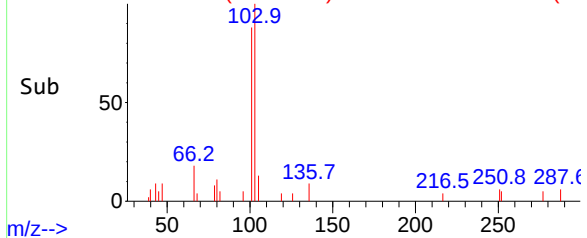
#11
Trichlorofluoromethane
Concen: 0.036 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.007 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

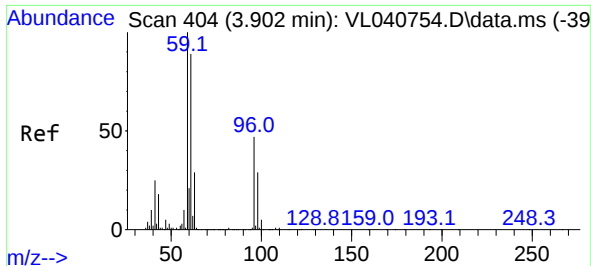
Tgt Ion: 101 Resp: 4493
Ion Ratio Lower Upper
101 100
103 113.6 52.2 78.2#

Abundance Scan 307 (3.591 min): VL040773.D\data.ms



Abundance Scan 307 (3.591 min): VL040773.D\data.ms (-14)

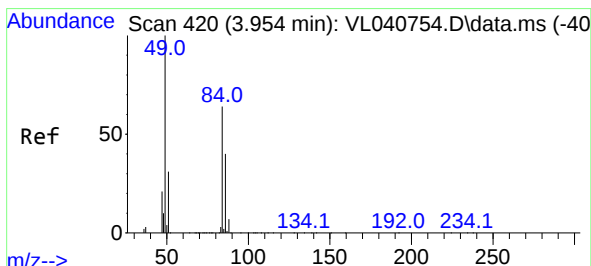
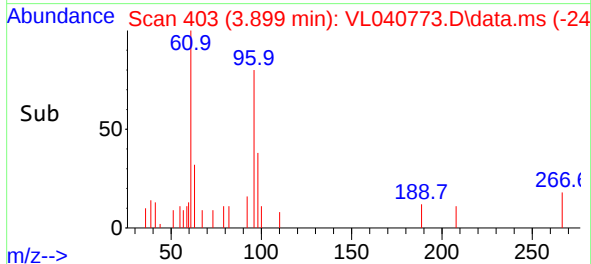
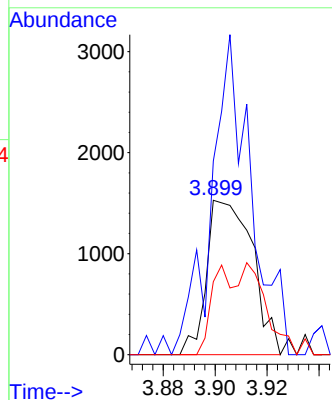
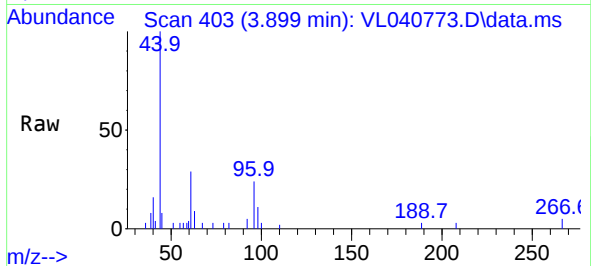




#18
1,1-Dichloroethene
Concen: 0.047 ppbv
RT: 3.899 min Scan# 404
Delta R.T. -0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

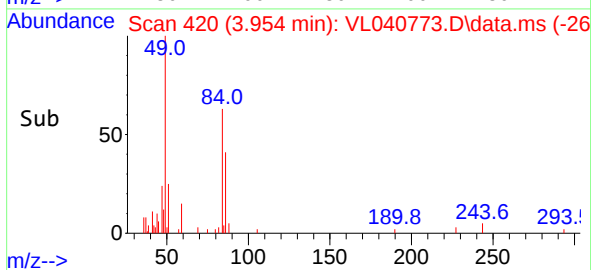
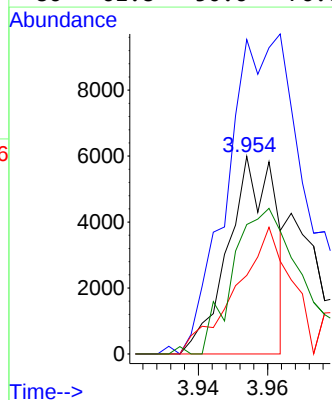
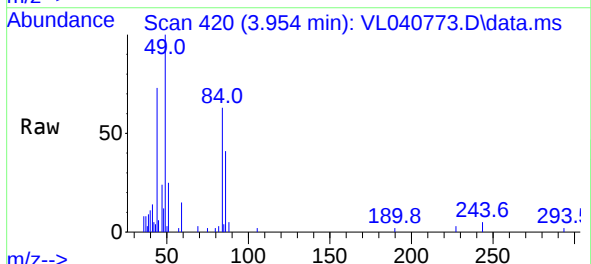
Instrument :
MSVOA_L
ClientSampleId :

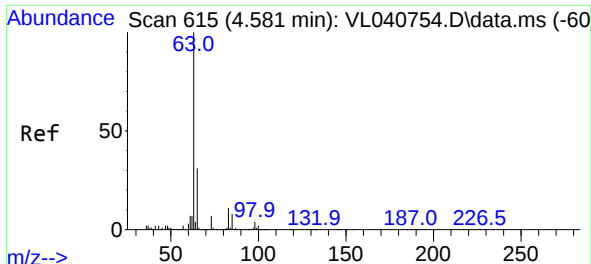
Tgt Ion: 96 Resp: 1879
Ion Ratio Lower Upper
96 100
61 112.4 152.5 228.7#
98 47.3 49.6 74.4#



#20
Methylene Chloride
Concen: 0.143 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.000 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

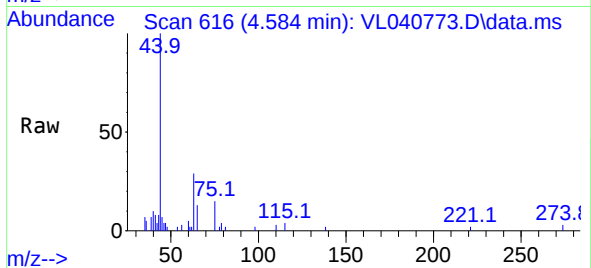
Tgt Ion: 84 Resp: 5659
Ion Ratio Lower Upper
84 100
49 159.1 125.6 188.4
51 39.8 38.9 58.3
86 61.8 50.6 76.0



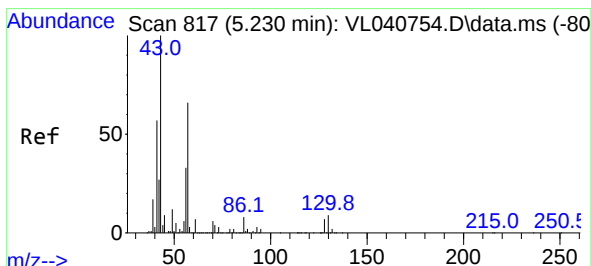
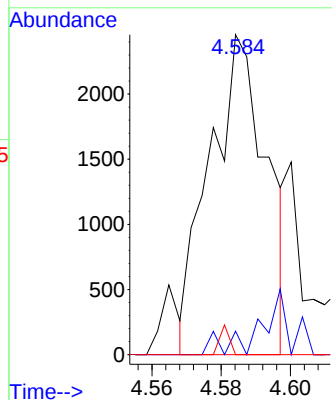
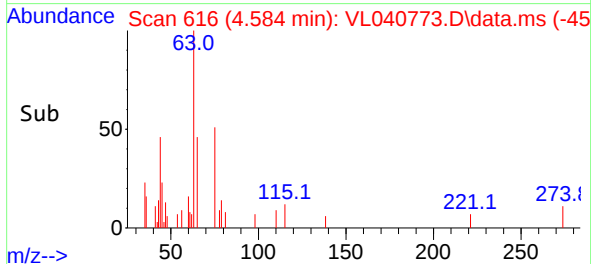


#24
1,1-Dichloroethane
Concen: 0.031 ppbv
RT: 4.584 min Scan# 615
Delta R.T. 0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

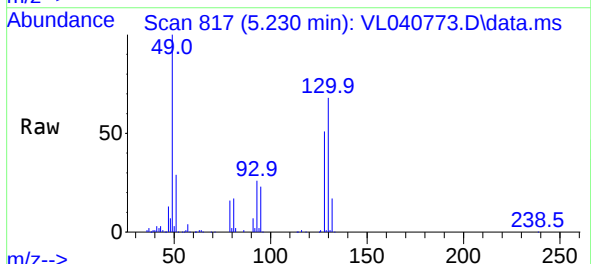
Instrument :
MSVOA_L
ClientSampleId :



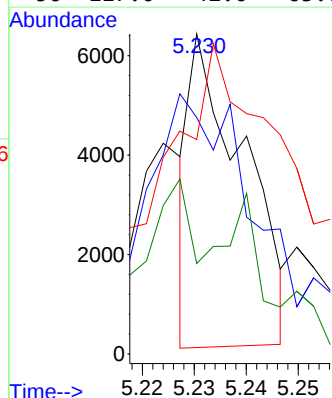
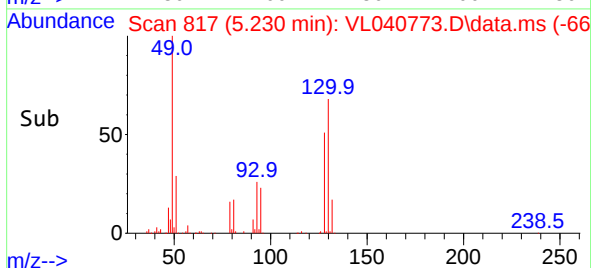
Tgt Ion: 63 Resp: 2795
Ion Ratio Lower Upper
63 100
98 8.2 2.0 5.8#
100 0.0 1.3 3.8#

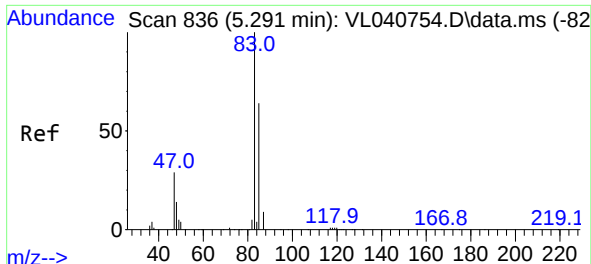


#26
Hexane
Concen: 0.048 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.000 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26



Tgt Ion: 57 Resp: 4561
Ion Ratio Lower Upper
57 100
41 202.6 71.4 107.2#
43 296.1 182.3 273.5#
56 117.0 42.0 63.0#

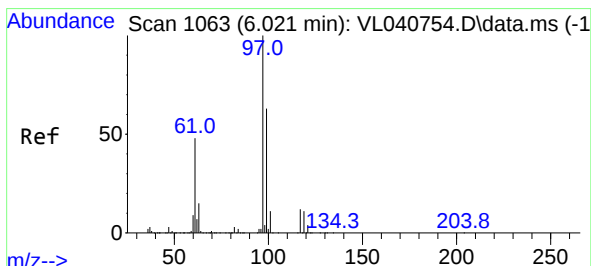
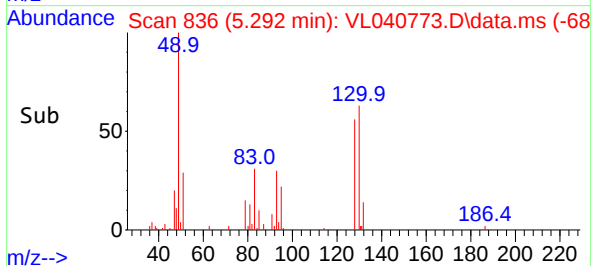
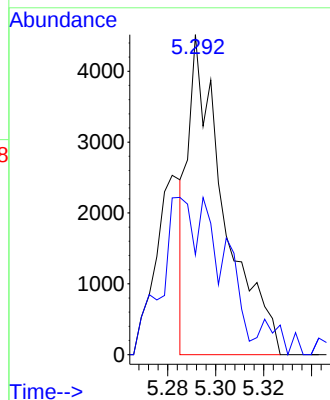
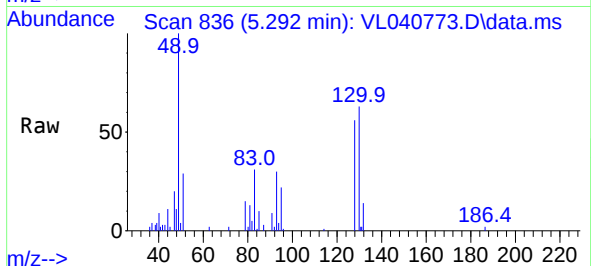




#29
Chloroform
Concen: 0.034 ppbv
RT: 5.292 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

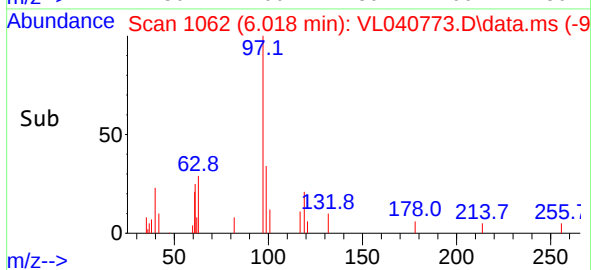
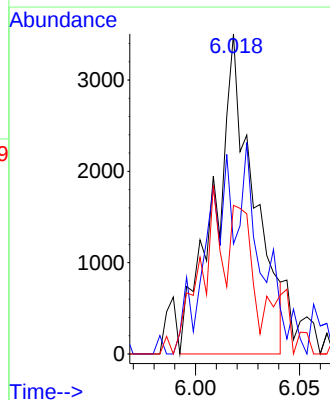
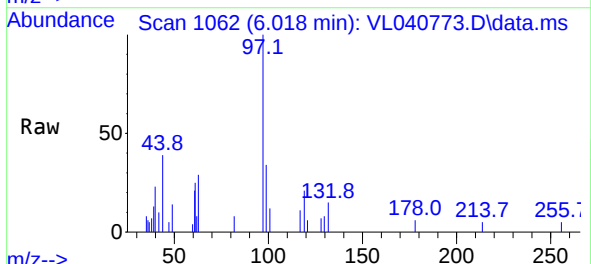
Instrument :
MSVOA_L
ClientSampleId :

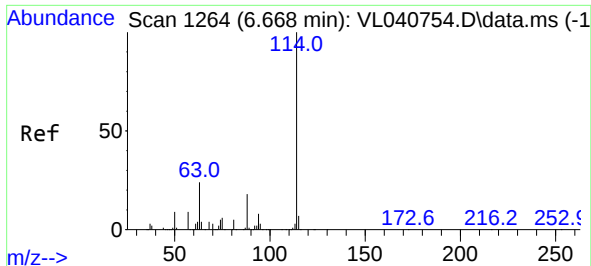
Tgt Ion: 83 Resp: 4670
Ion Ratio Lower Upper
83 100
85 21.9 51.3 76.9#



#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv
RT: 6.018 min Scan# 1062
Delta R.T. -0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Tgt Ion: 97 Resp: 4554
Ion Ratio Lower Upper
97 100
99 81.8 51.8 77.6#
61 67.2 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040773.D

Acq: 12 Oct 2023 2:26

Instrument :

MSVOA_L

ClientSampleId :

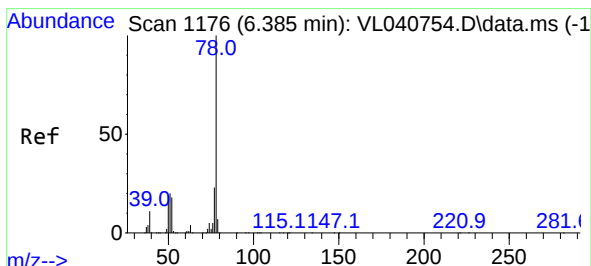
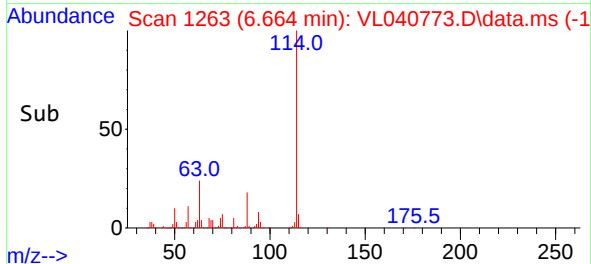
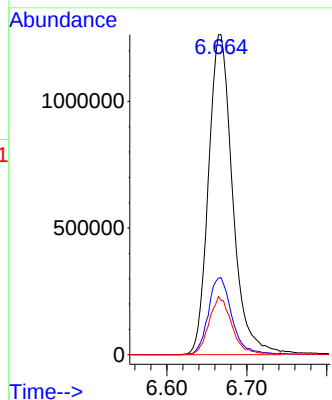
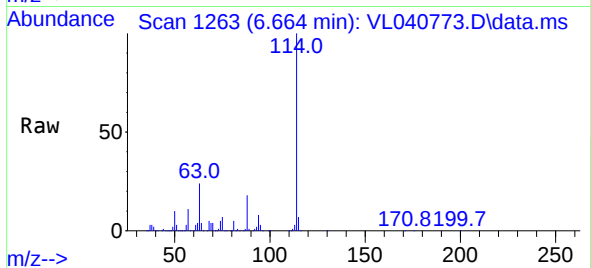
Tgt Ion:114 Resp: 2642377

Ion Ratio Lower Upper

114 100

63 24.0 19.8 29.6

88 17.4 14.2 21.2



#36

Benzene

Concen: 0.041 ppbv

RT: 6.388 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VL040773.D

Acq: 12 Oct 2023 2:26

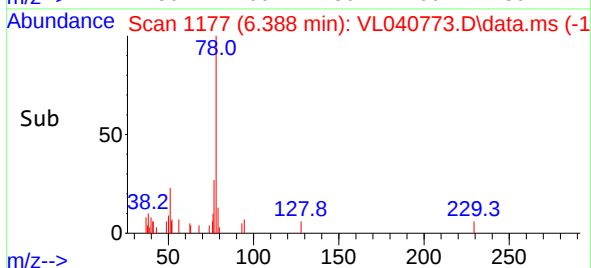
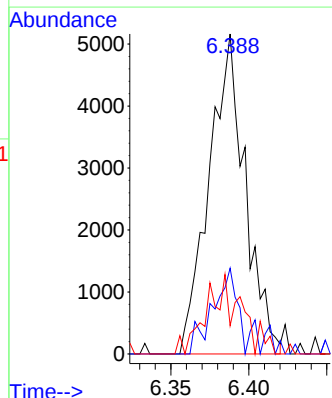
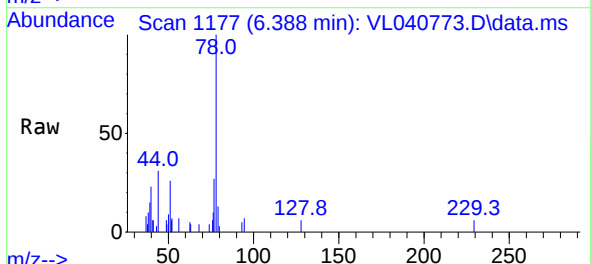
Tgt Ion: 78 Resp: 8326

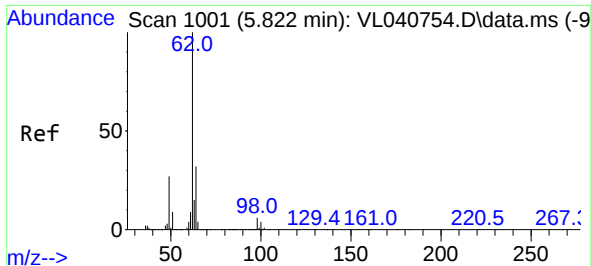
Ion Ratio Lower Upper

78 100

77 26.8 18.4 27.6

50 8.9 15.0 22.4#

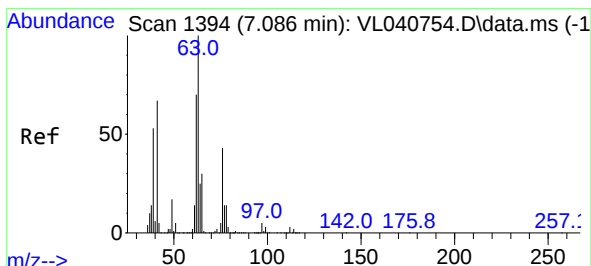
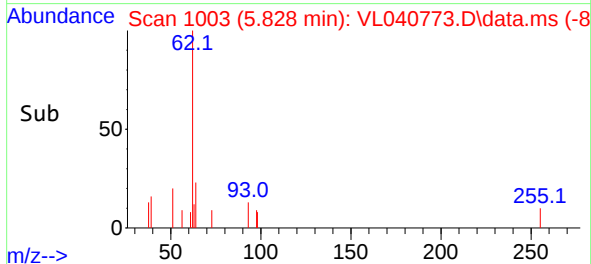
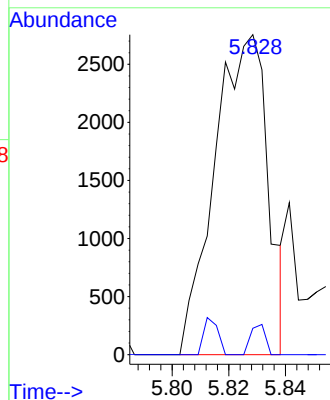
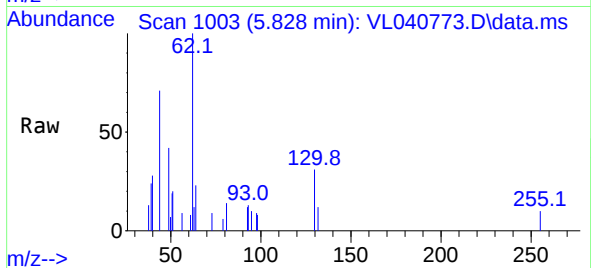




#37
1,2-Dichloroethane
Concen: 0.035 ppbv
RT: 5.828 min Scan# 1001
Delta R.T. 0.007 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

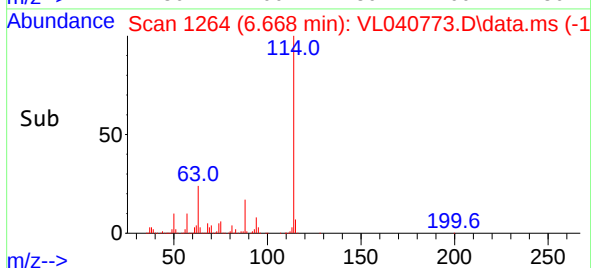
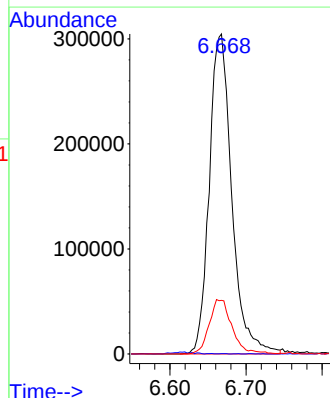
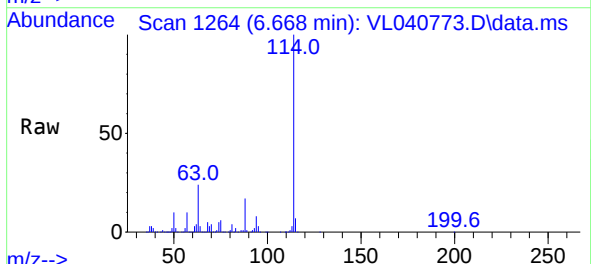
Instrument :
MSVOA_L
ClientSampleId :

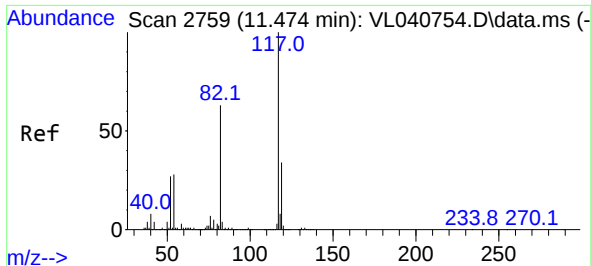
Tgt Ion: 62 Resp: 3594
Ion Ratio Lower Upper
62 100
98 5.7 5.4 8.0



#39
1,2-Dichloropropane
Concen: 7.897 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. -0.418 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Tgt Ion: 63 Resp: 627029
Ion Ratio Lower Upper
63 100
41 0.0 53.7 80.5#
62 16.8 55.7 83.5#

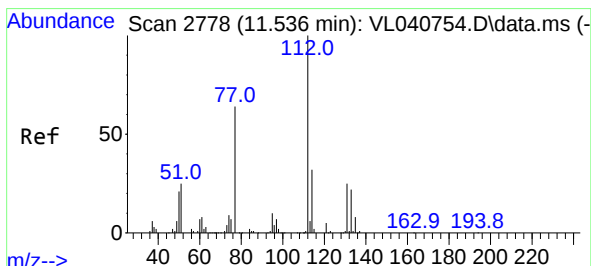
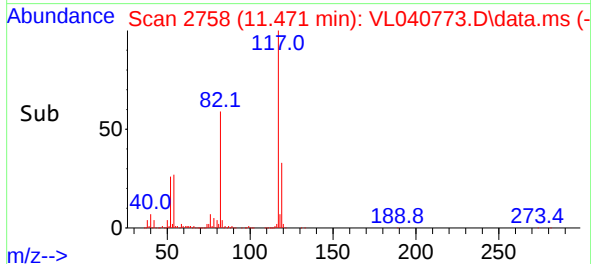
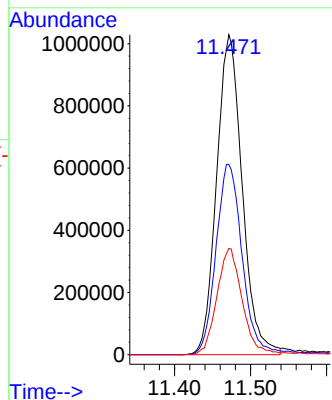
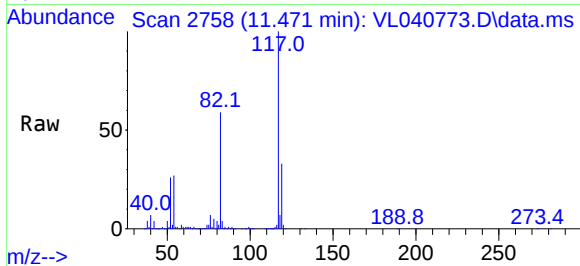




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

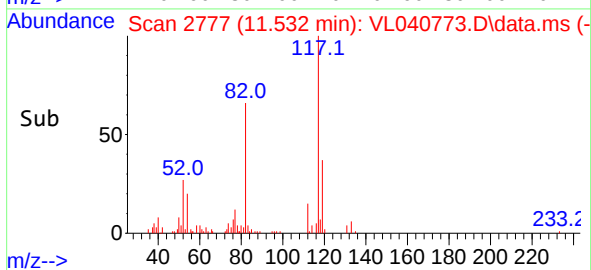
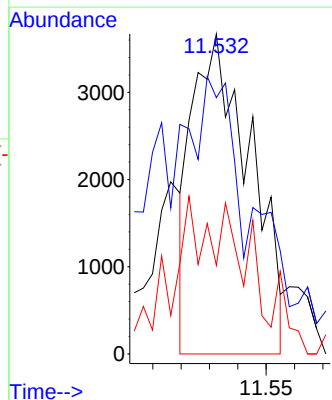
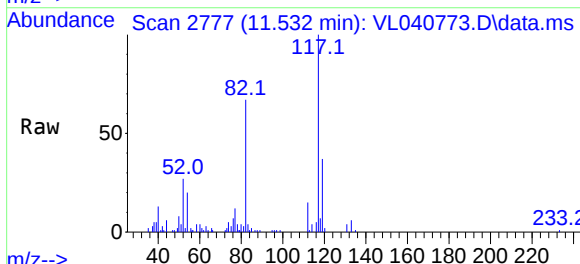
Instrument :
MSVOA_L
ClientSampleId :

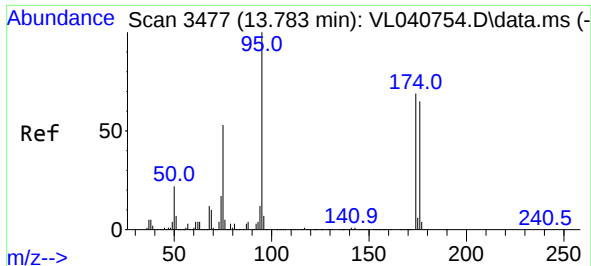
Tgt Ion:117 Resp: 2405780
Ion Ratio Lower Upper
117 100
82 62.4 46.6 70.0
119 33.7 26.0 39.0



#57
Chlorobenzene
Concen: 0.030 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. -0.003 min
Lab File: VL040773.D
Acq: 12 Oct 2023 2:26

Tgt Ion:112 Resp: 5218
Ion Ratio Lower Upper
112 100
77 54.1 51.9 77.9
114 2.2 28.6 35.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.406 ppbv

RT: 13.780 min Scan# 34

Delta R.T. -0.003 min

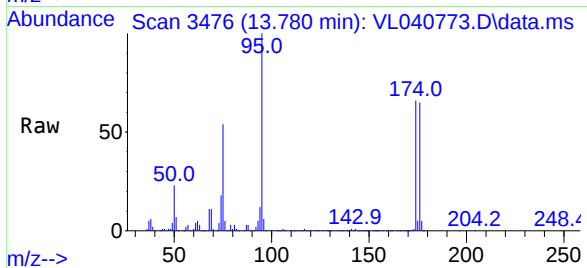
Lab File: VL040773.D

Acq: 12 Oct 2023 2:26

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 95 Resp: 1842091

Ion Ratio Lower Upper

95 100

174 67.3 54.7 82.1

175 5.1 4.2 6.4

