

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040259.D
 Acq On : 8 Mar 2023 18:11
 Operator : SY/MD
 Sample : 01836-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SS

Quant Time: Mar 09 04:15:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 01 04:21:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	840223	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2001637	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	1781941	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1488964	10.162	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

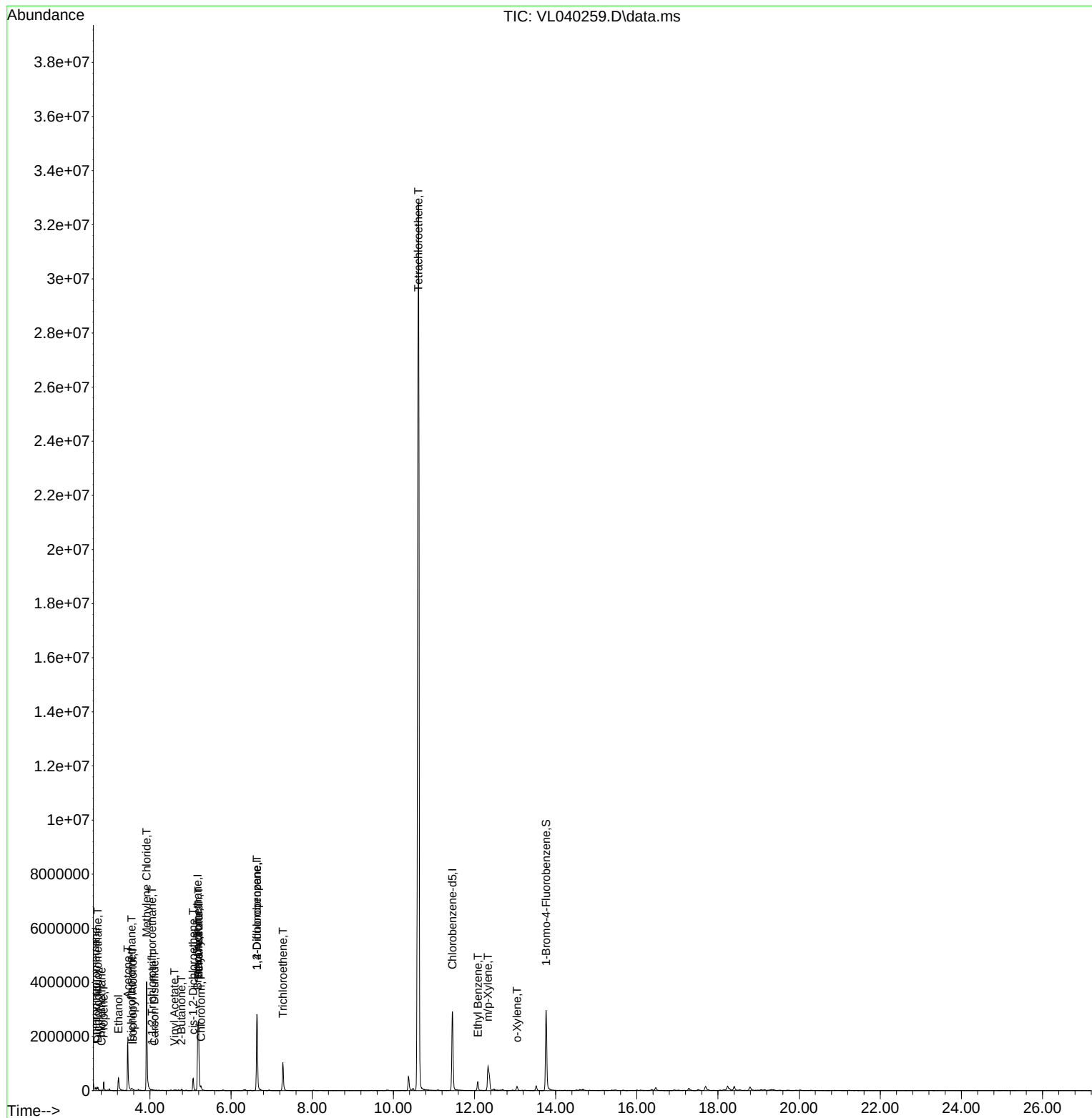
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.716	85	69718	0.445	ppbv	96
3) Chlorodifluoromethane	2.661	51	74370	0.741	ppbv	99
4) Chloromethane	2.806	50	8361	0.133	ppbv	93
9) Propene	2.861	41	61370	1.500	ppbv	85
11) Trichlorofluoromethane	3.549	101	33615	0.239	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	7693	0.074	ppbv	86
13) Ethanol	3.227	45	514477	136.591	ppbv	96
15) Acetone	3.452	43	1740741	17.208	ppbv	100
19) Isopropyl Alcohol	3.575	45	15243	0.317	ppbv #	90
20) Methylene Chloride	3.919	84	1381137	26.227	ppbv	97
23) Vinyl Acetate	4.603	43	20227	0.659	ppbv #	84
25) Ethyl Acetate	5.198	43	548521	2.917	ppbv #	75
26) Hexane	5.198	57	819159	10.147	ppbv #	36
27) Carbon Disulfide	4.108	76	3517	0.034	ppbv #	63
29) Chloroform	5.259	83	72038	0.520	ppbv	87
31) cis-1,2-Dichloroethene	5.066	61	239076	3.117	ppbv	97
34) 2-Butanone	4.774	43	54736	0.554	ppbv	96
38) Trichloroethene	7.279	130	301638	3.514	ppbv	97
39) 1,2-Dichloropropane	6.639	63	518171	8.551	ppbv #	26
41) Tetrahydrofuran	5.198	42	303690	5.307	ppbv #	48
52) Tetrachloroethene	10.619	164	9811520	201.709	ppbv	90
58) Ethyl Benzene	12.082	91	271534	1.254	ppbv	95
59) m/p-Xylene	12.333	91	1005317	5.243	ppbv	97
60) o-Xylene	13.050	91	109774	0.595	ppbv	100

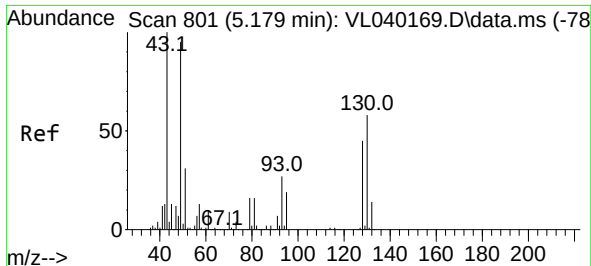
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
Data File : VL040259.D
Acq On : 8 Mar 2023 18:11
Operator : SY/MD
Sample : 01836-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Quant Time: Mar 09 04:15:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Mar 01 04:21:39 2023
Response via : Initial Calibration

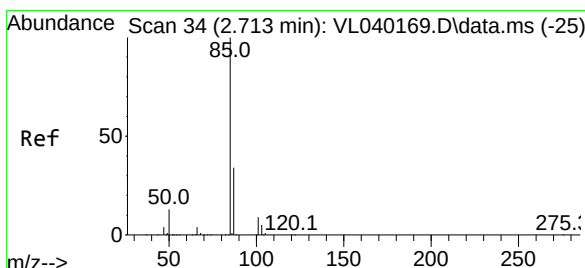
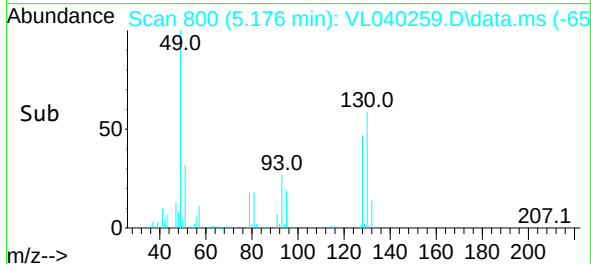
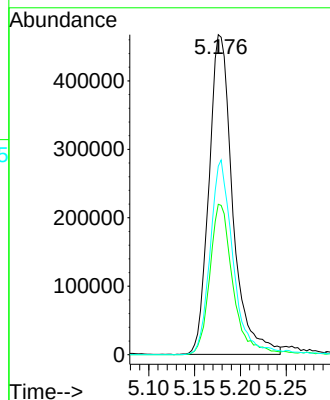
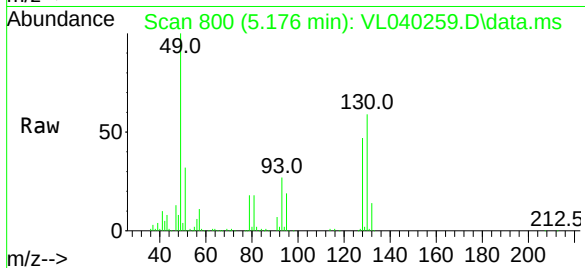




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

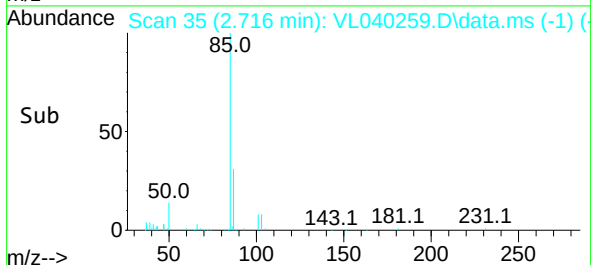
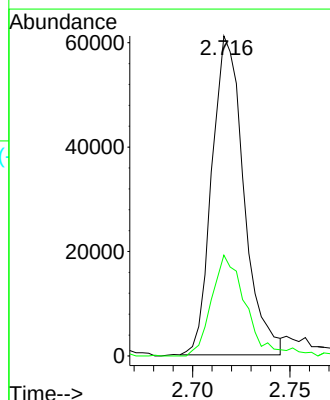
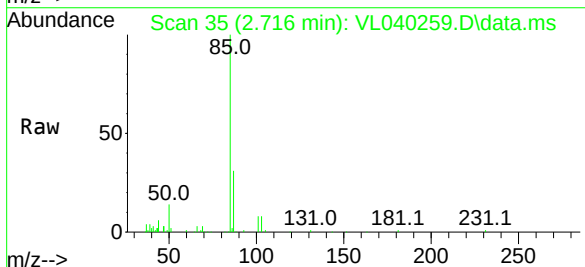
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

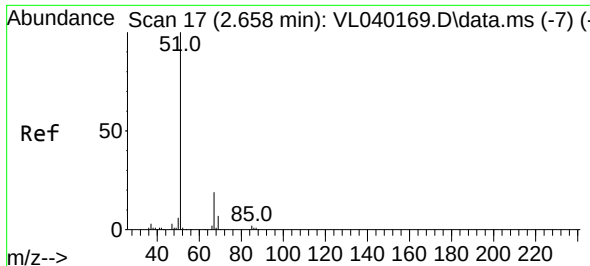
Tgt Ion: 49 Resp: 840223
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.3
130 60.0 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.445 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.010 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 85 Resp: 69718
Ion Ratio Lower Upper
85 100
87 31.6 27.0 40.6

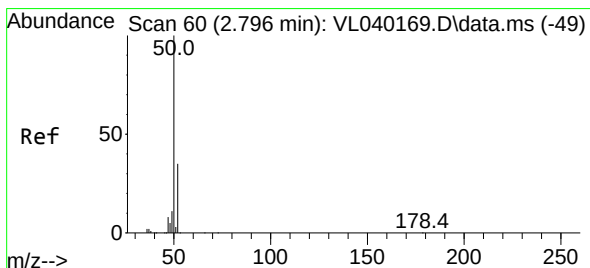
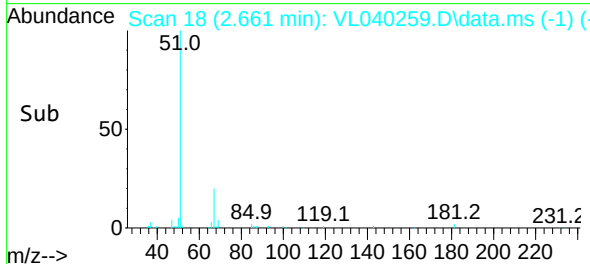
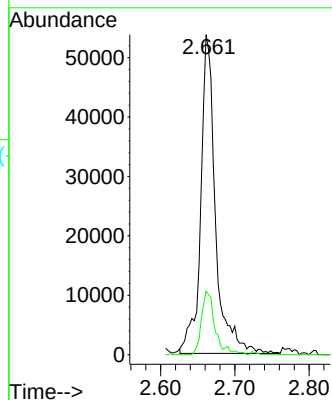
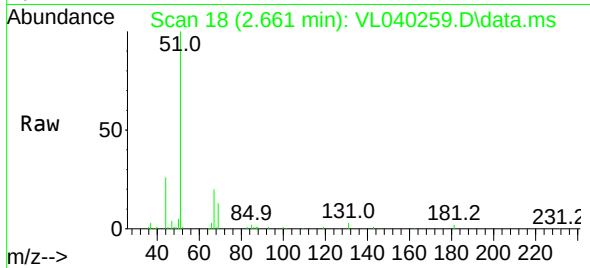




#3
Chlorodifluoromethane
Concen: 0.741 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

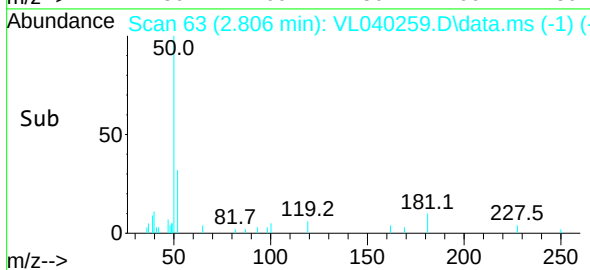
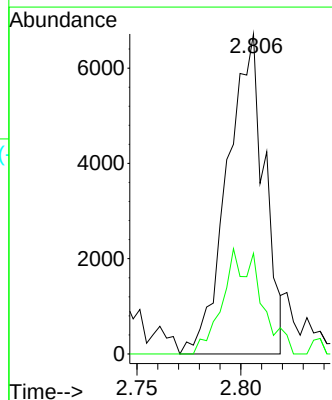
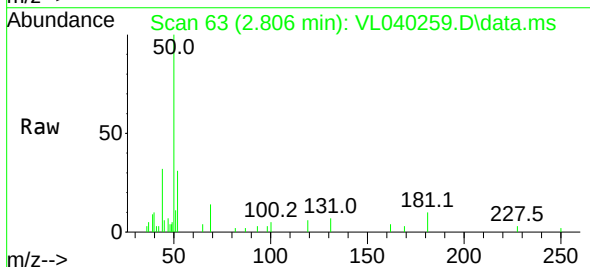
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

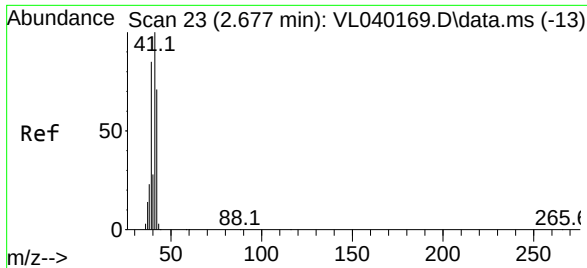
Tgt Ion: 51 Resp: 74370
Ion Ratio Lower Upper
51 100
67 18.7 15.4 23.2



#4
Chloromethane
Concen: 0.133 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.006 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 50 Resp: 8361
Ion Ratio Lower Upper
50 100
52 31.5 28.3 42.5

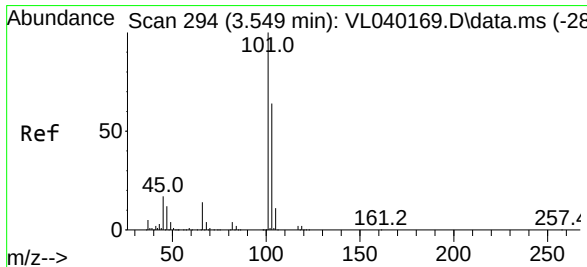
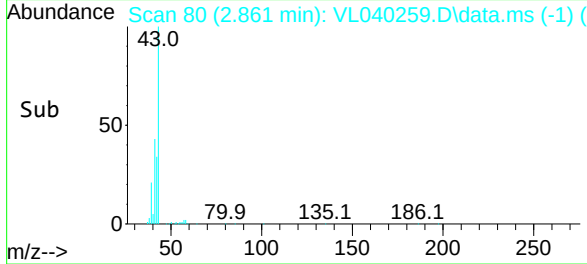
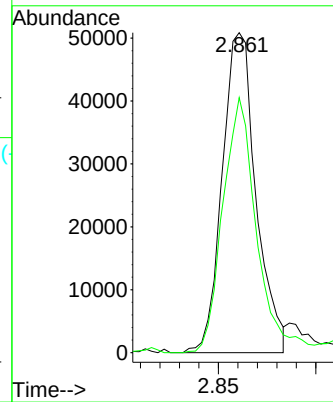
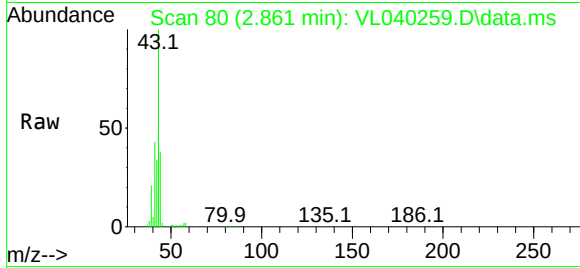




#9
 Propene
 Concen: 1.500 ppbv
 RT: 2.861 min Scan# 80
 Delta R.T. 0.171 min
 Lab File: VL040259.D
 Acq: 8 Mar 2023 18:11

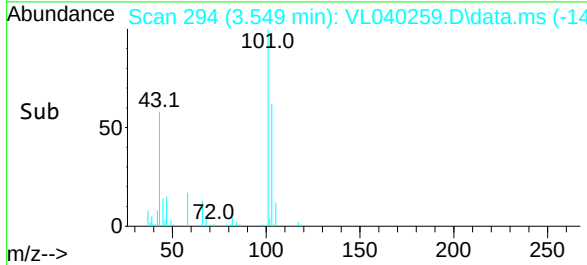
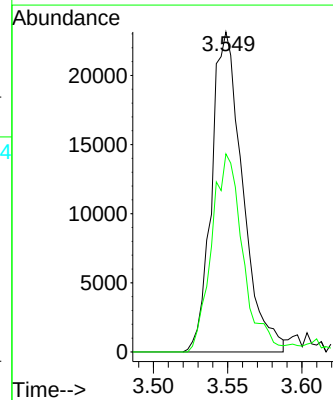
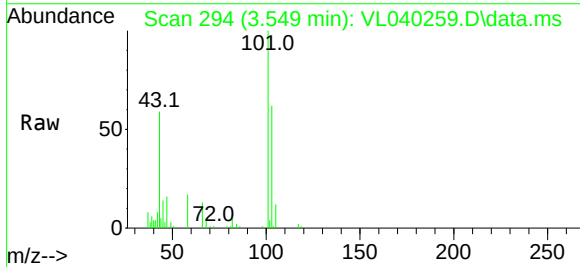
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SS

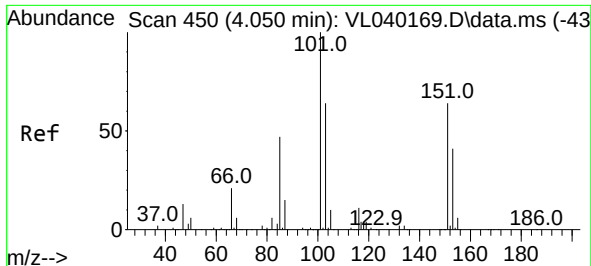
Tgt Ion: 41 Resp: 61370
 Ion Ratio Lower Upper
 41 100
 42 83.4 56.9 85.3



#11
 Trichlorofluoromethane
 Concen: 0.239 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. -0.016 min
 Lab File: VL040259.D
 Acq: 8 Mar 2023 18:11

Tgt Ion: 101 Resp: 33615
 Ion Ratio Lower Upper
 101 100
 103 61.9 51.0 76.6

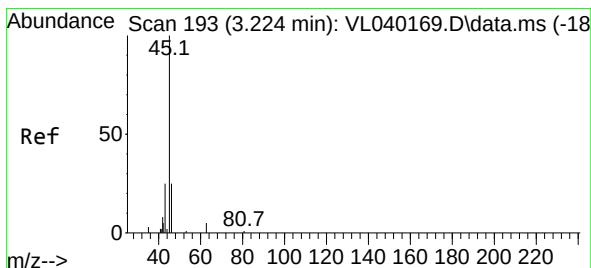
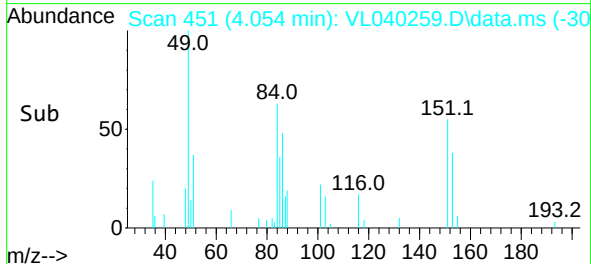
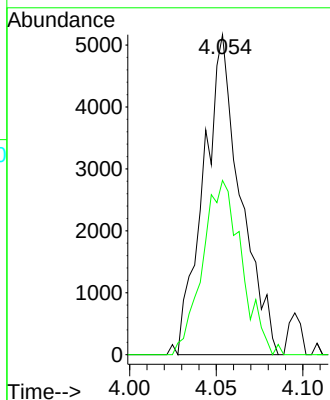
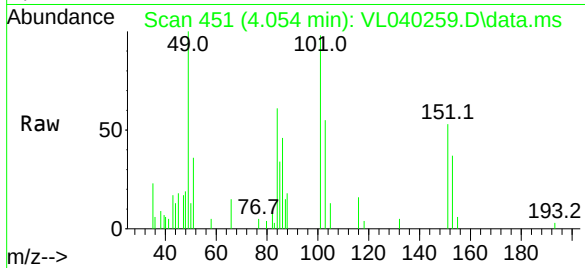




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 4.054 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

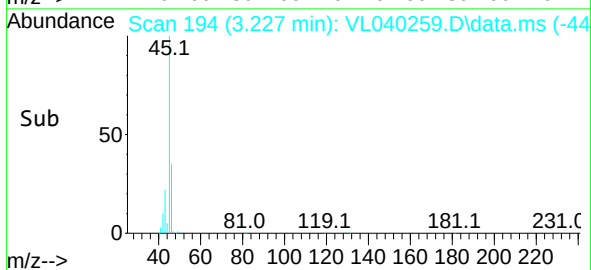
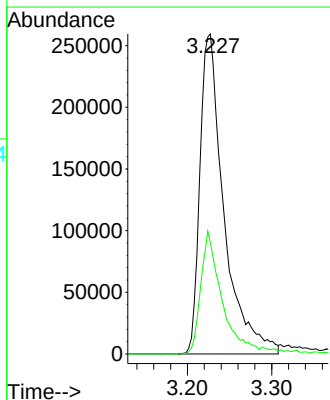
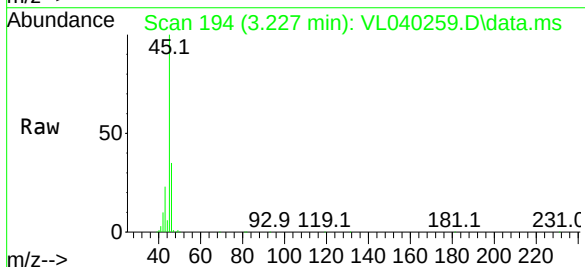
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

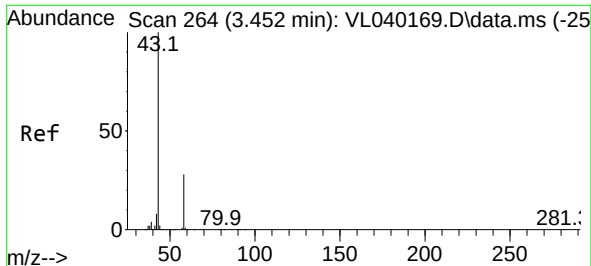
Tgt Ion:101 Resp: 7693
Ion Ratio Lower Upper
101 100
151 57.5 54.7 82.1



#13
Ethanol
Concen: 136.591 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 45 Resp: 514477
Ion Ratio Lower Upper
45 100
46 35.7 13.3 53.1

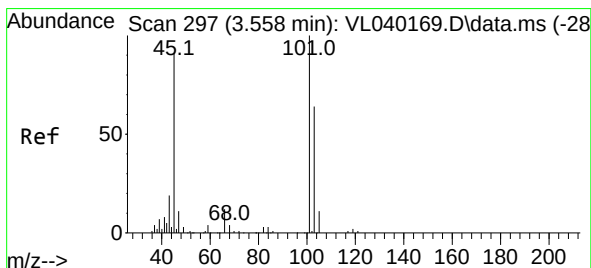
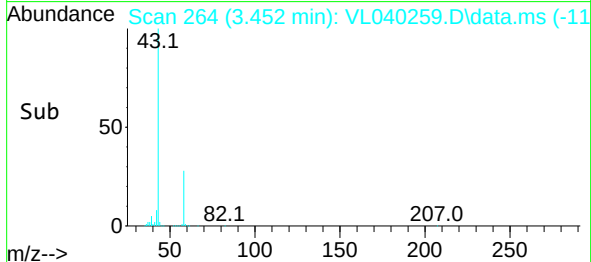
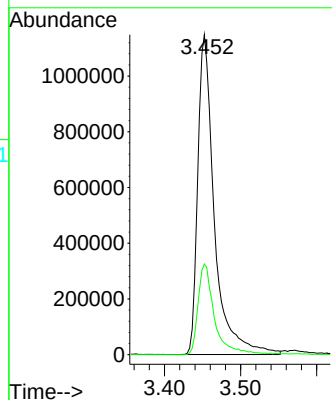
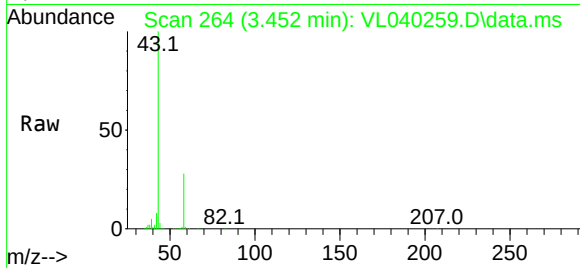




#15
Acetone
Concen: 17.208 ppbv
RT: 3.452 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

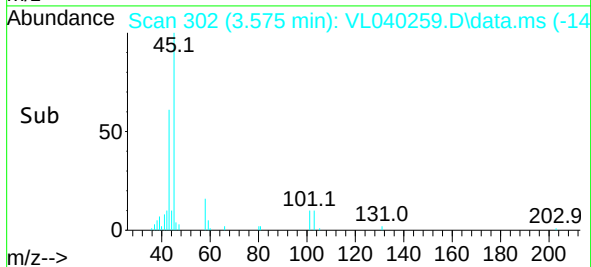
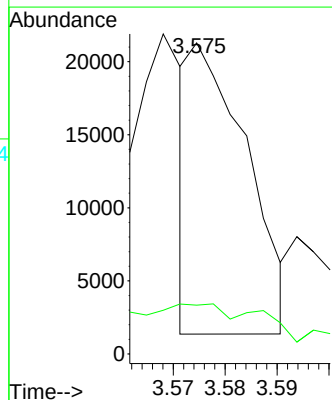
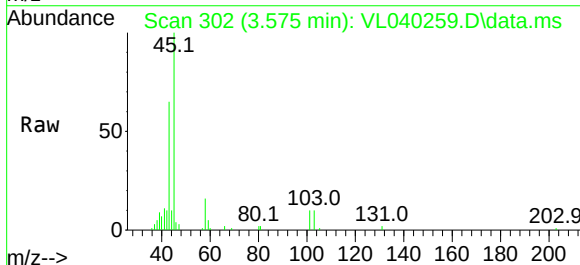
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

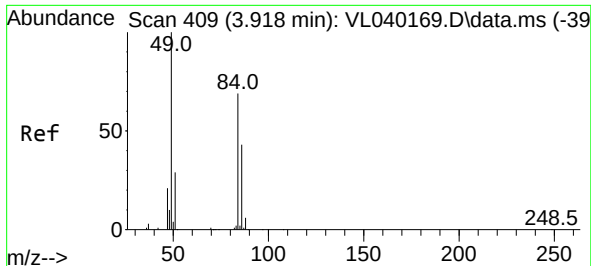
Tgt Ion: 43 Resp: 1740741
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6



#19
Isopropyl Alcohol
Concen: 0.317 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.000 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 45 Resp: 15243
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#



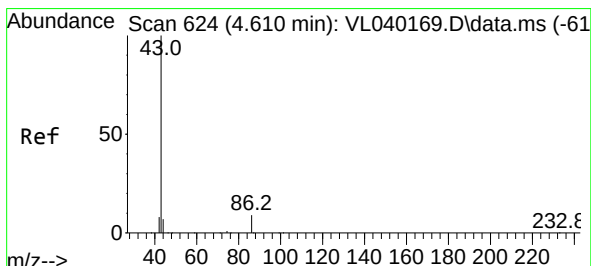
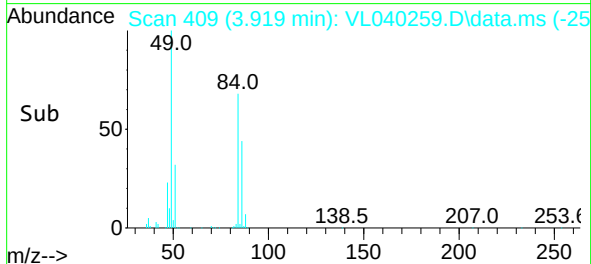
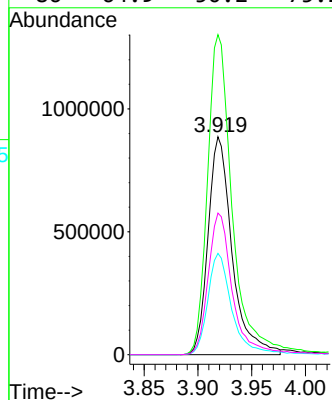
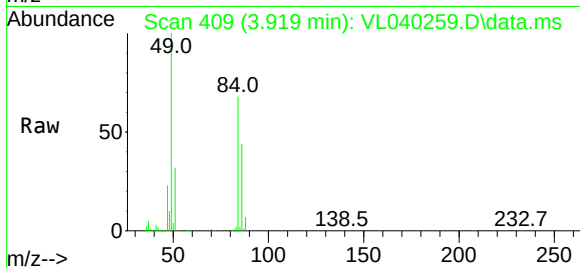


#20
Methylene Chloride
Concen: 26.227 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.016 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

Tgt Ion: 84 Resp: 1381137

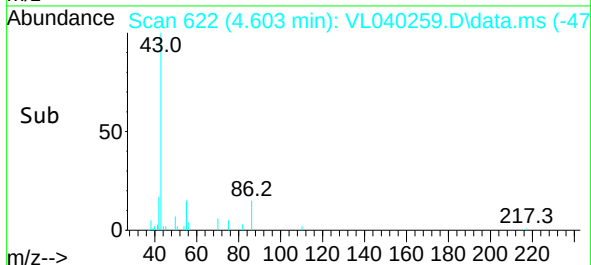
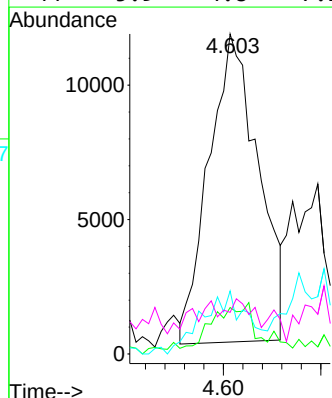
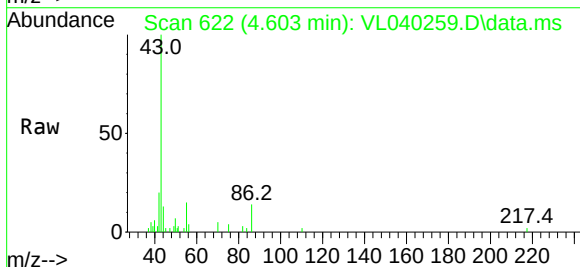
Ion	Ratio	Lower	Upper
84	100		
49	146.7	115.5	173.3
51	46.4	33.1	49.7
86	64.9	50.2	75.2

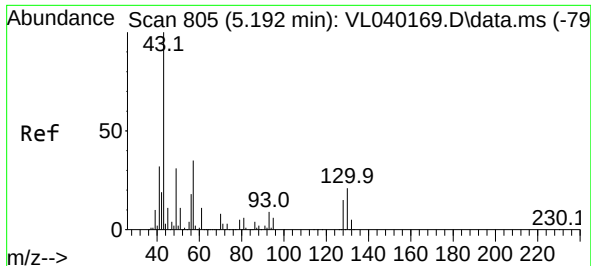


#23
Vinyl Acetate
Concen: 0.659 ppbv
RT: 4.603 min Scan# 622
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 43 Resp: 20227

Ion	Ratio	Lower	Upper
43	100		
86	14.1	5.6	8.4#
42	17.6	7.6	11.4#
44	5.9	4.8	7.2

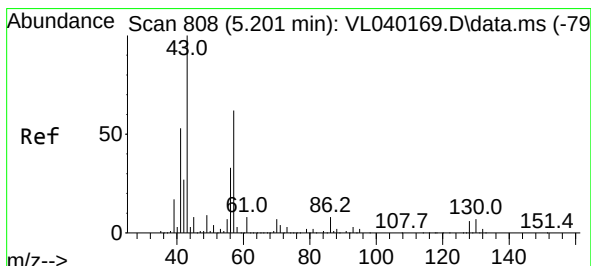
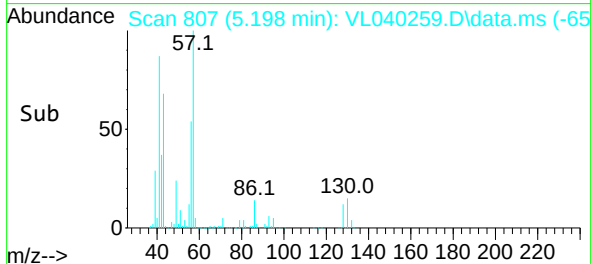
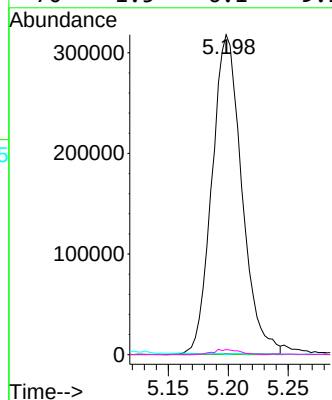
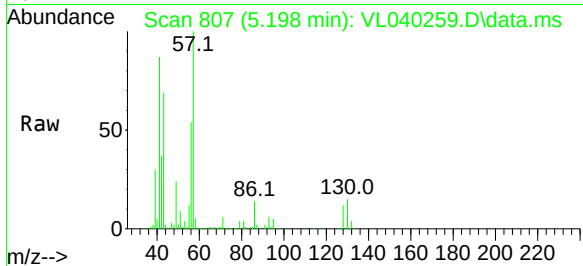




#25
Ethyl Acetate
Concen: 2.917 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

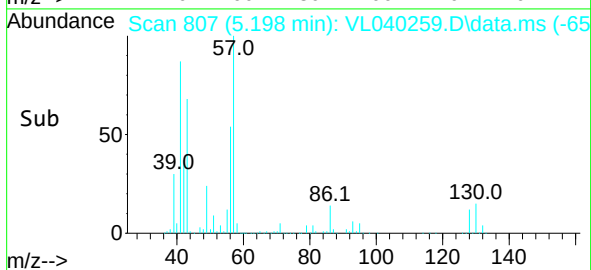
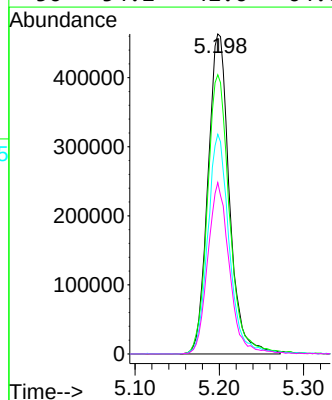
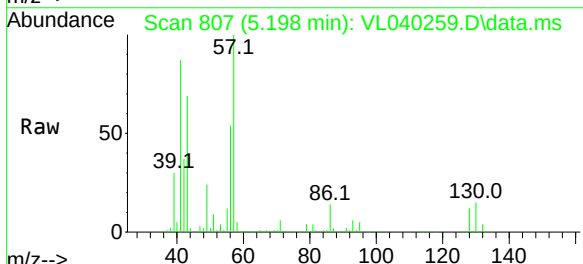
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

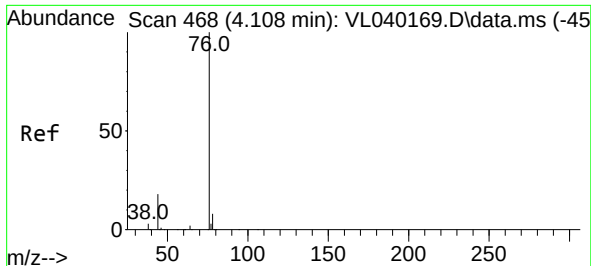
Tgt Ion: 43 Resp: 548521
Ion Ratio Lower Upper
43 100
45 0.2 8.3 12.5#
61 0.0 8.4 12.6#
70 1.5 6.1 9.1#



#26
Hexane
Concen: 10.147 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.026 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 57 Resp: 819159
Ion Ratio Lower Upper
57 100
41 90.8 74.3 111.5
43 68.9 193.0 289.4#
56 54.2 42.6 64.0

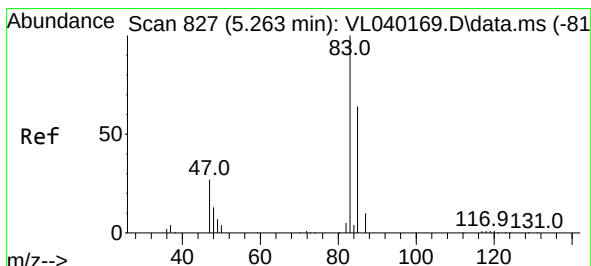
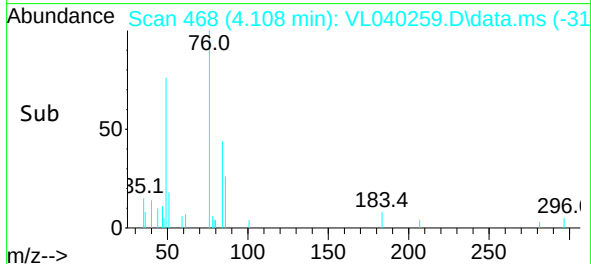
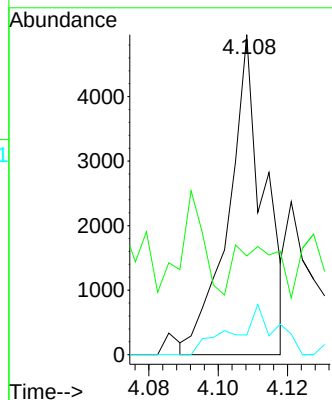
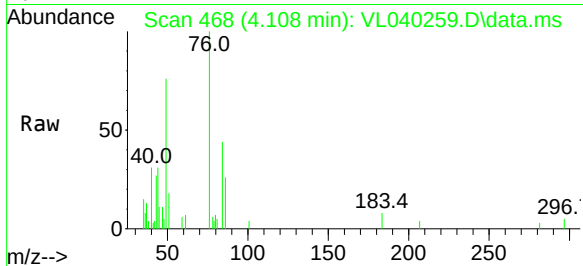




#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 4.108 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

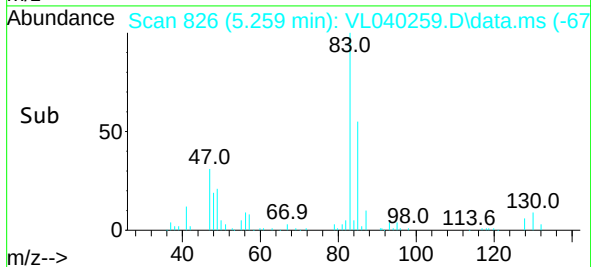
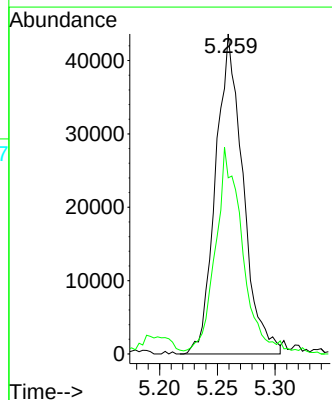
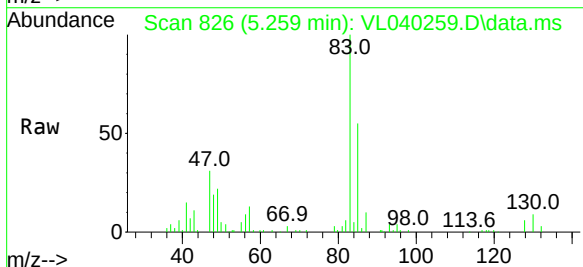
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

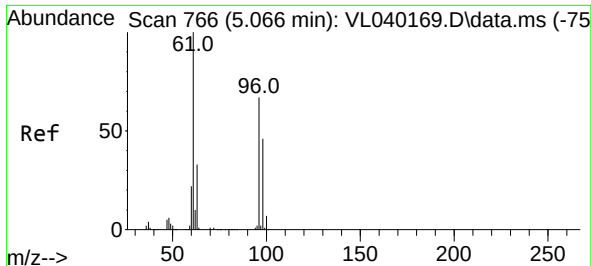
Tgt Ion: 76 Resp: 3517
Ion Ratio Lower Upper
76 100
44 0.0 15.3 22.9#
78 19.3 7.7 11.5#



#29
Chloroform
Concen: 0.520 ppbv
RT: 5.259 min Scan# 826
Delta R.T. -0.022 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 83 Resp: 72038
Ion Ratio Lower Upper
83 100
85 53.8 51.5 77.3

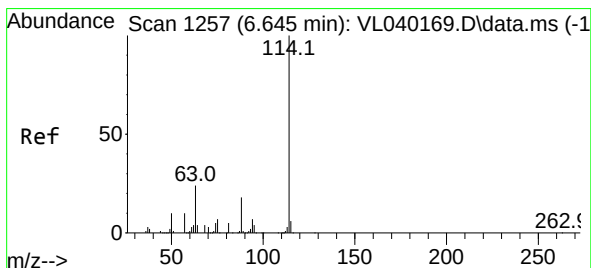
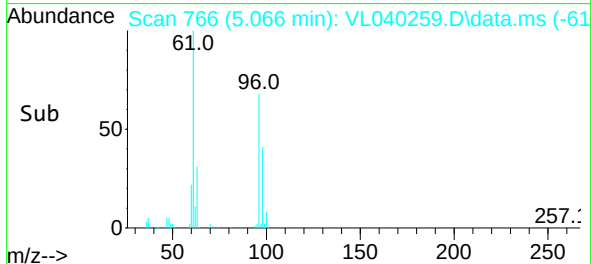
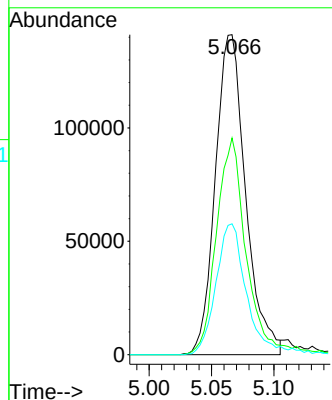
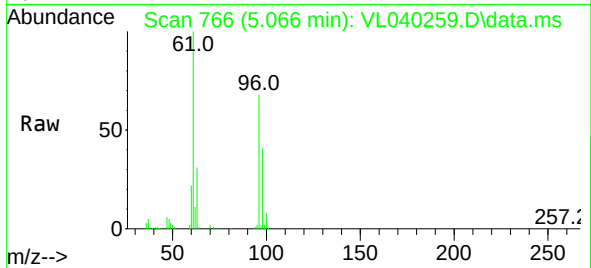




#31
 cis-1,2-Dichloroethene
 Concen: 3.117 ppbv
 RT: 5.066 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: VL040259.D
 Acq: 8 Mar 2023 18:11

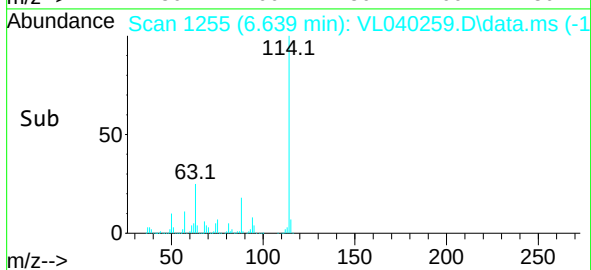
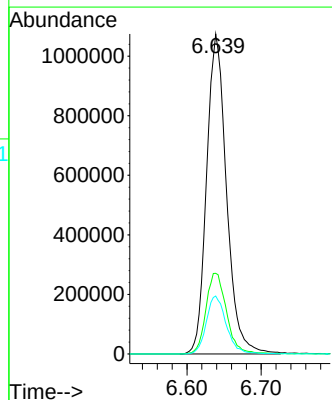
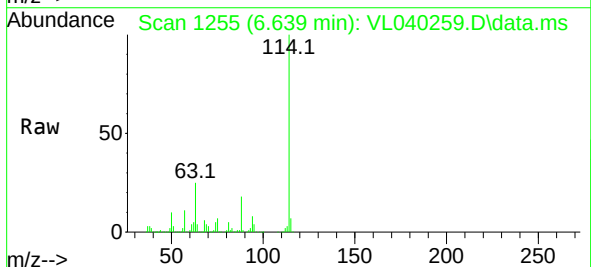
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SS

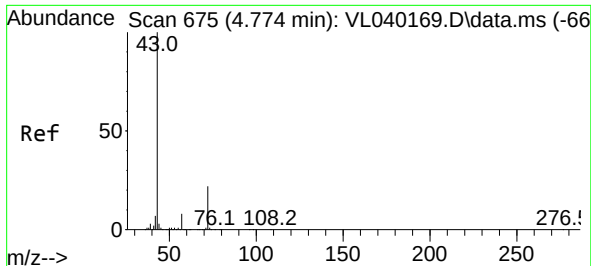
Tgt Ion: 61 Resp: 239076
 Ion Ratio Lower Upper
 61 100
 96 67.7 53.7 80.5
 98 40.9 36.4 54.6



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.639 min Scan# 1255
 Delta R.T. -0.026 min
 Lab File: VL040259.D
 Acq: 8 Mar 2023 18:11

Tgt Ion: 114 Resp: 2001637
 Ion Ratio Lower Upper
 114 100
 63 26.2 20.4 30.6
 88 18.3 14.3 21.5

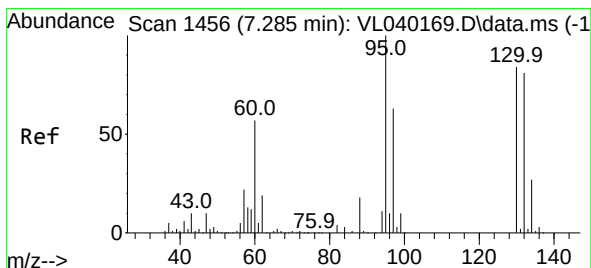
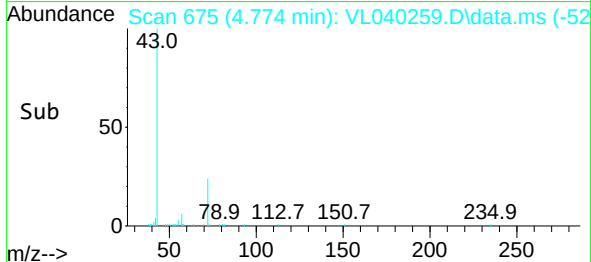
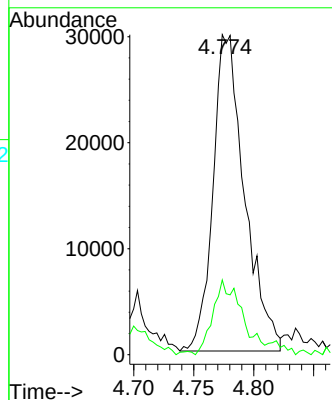
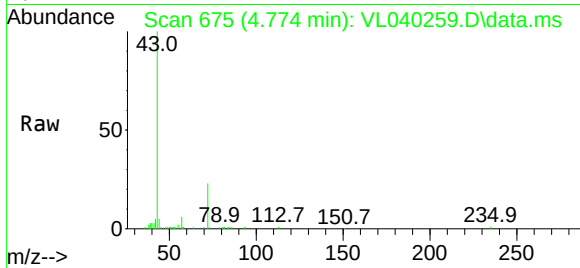




#34
2-Butanone
Concen: 0.554 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.019 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

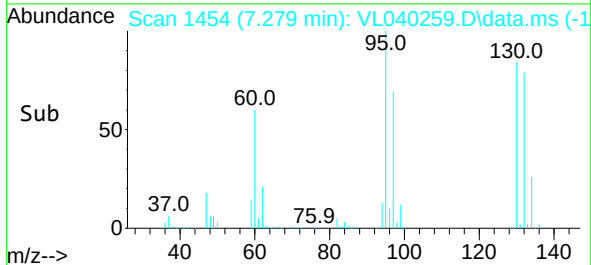
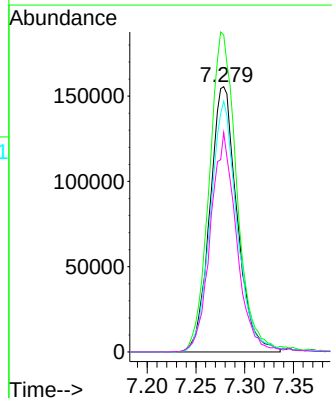
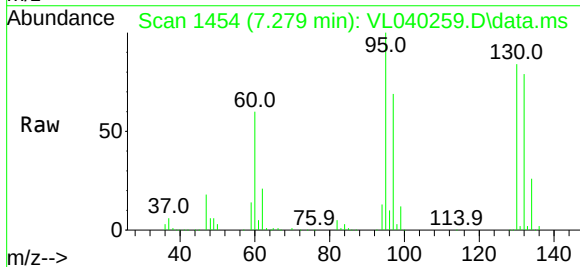
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

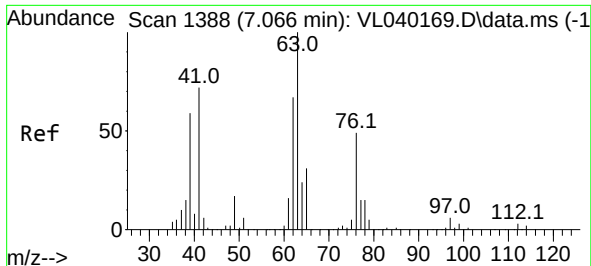
Tgt Ion: 43 Resp: 54736
Ion Ratio Lower Upper
43 100
72 24.3 17.8 26.8



#38
Trichloroethene
Concen: 3.514 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion:130 Resp: 301638
Ion Ratio Lower Upper
130 100
95 119.2 94.7 142.1
132 94.5 76.4 114.6
97 82.7 59.8 89.6





#39

1,2-Dichloropropane

Concen: 8.551 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.447 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-SS

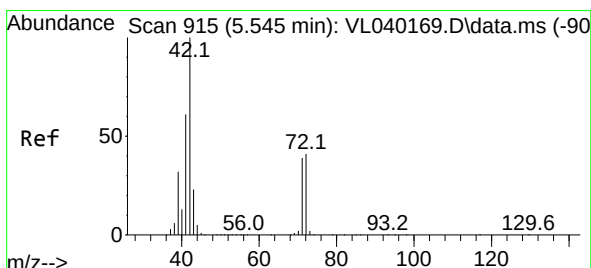
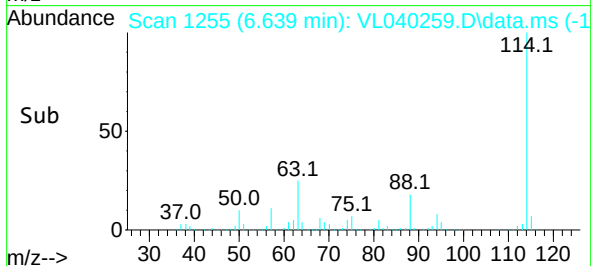
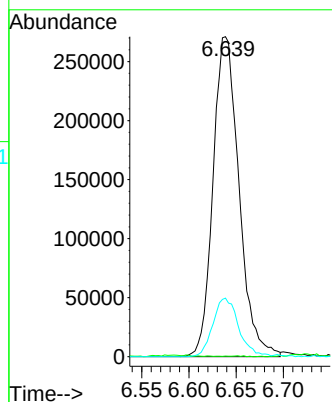
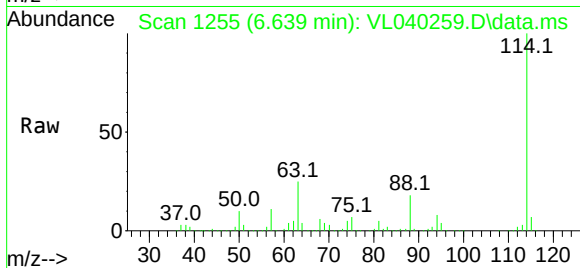
Tgt Ion: 63 Resp: 518171

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 18.3 54.0 81.0#



#41

Tetrahydrofuran

Concen: 5.307 ppbv

RT: 5.198 min Scan# 807

Delta R.T. -0.370 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

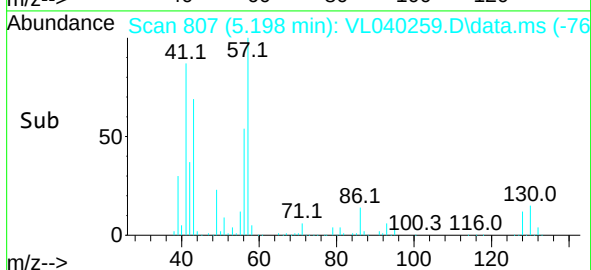
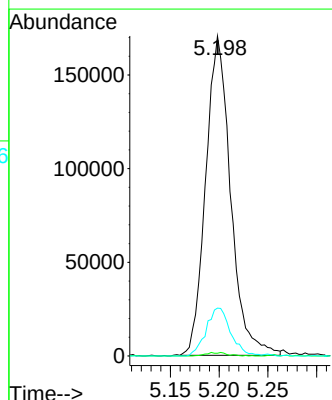
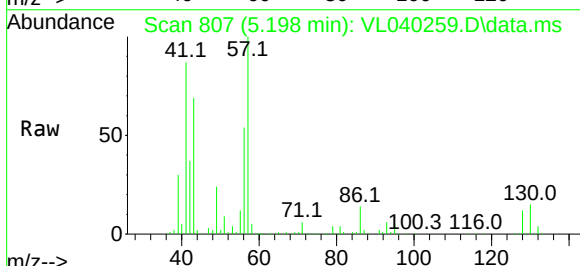
Tgt Ion: 42 Resp: 303690

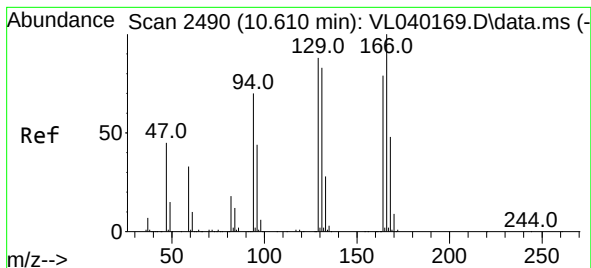
Ion Ratio Lower Upper

42 100

72 0.9 33.0 49.4#

71 15.0 31.4 47.2#





#52

Tetrachloroethene

Concen: 201.709 ppbv

RT: 10.619 min Scan# 2493

Delta R.T. -0.016 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-SS

Tgt Ion:164 Resp: 9811520

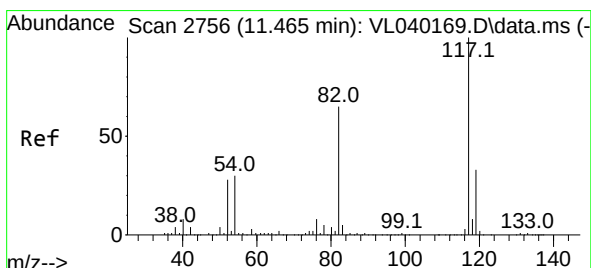
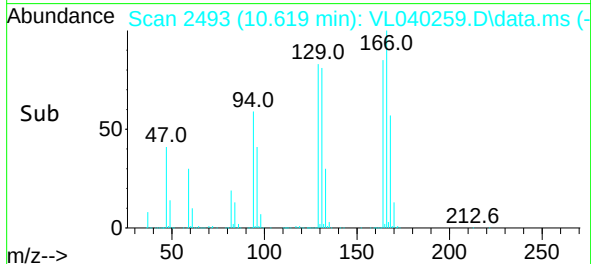
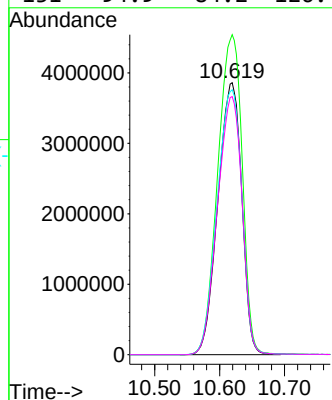
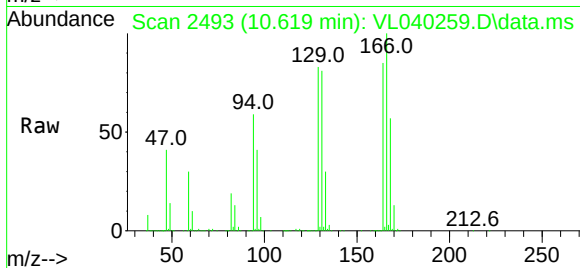
Ion Ratio Lower Upper

164 100

166 117.7 101.5 152.3

129 97.4 89.0 133.4

131 94.9 84.2 126.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 2754

Delta R.T. -0.029 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

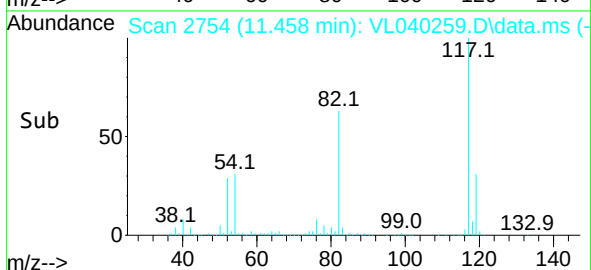
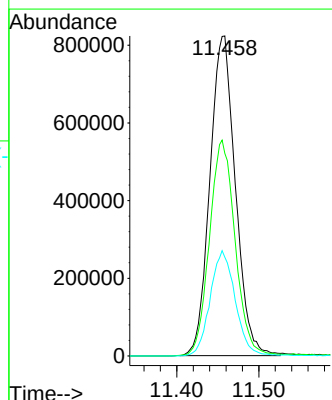
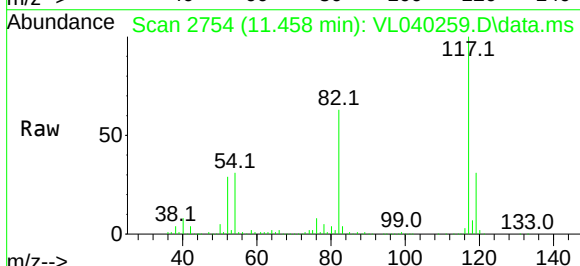
Tgt Ion:117 Resp: 1781941

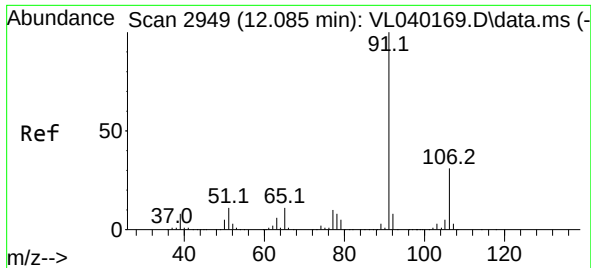
Ion Ratio Lower Upper

117 100

82 68.9 53.3 79.9

119 32.6 24.6 37.0

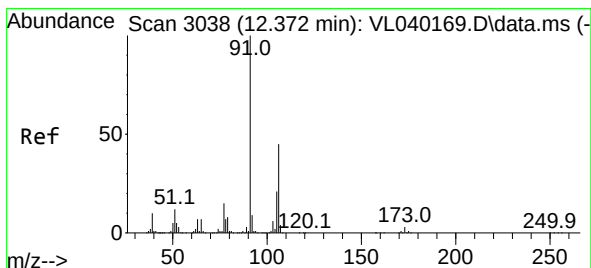
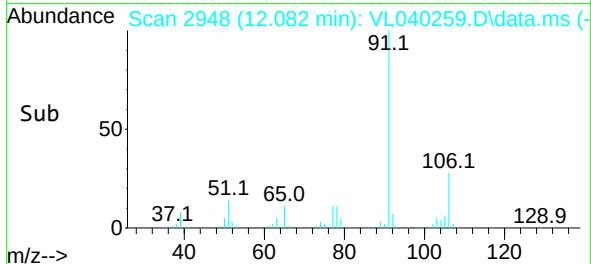
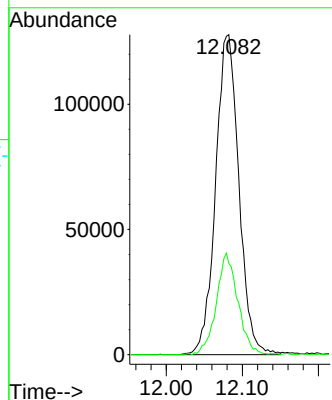
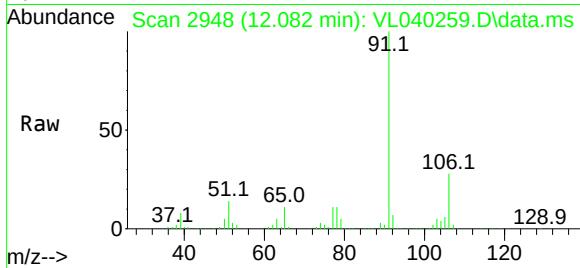




#58
Ethyl Benzene
Concen: 1.254 ppbv
RT: 12.082 min Scan# 2949
Delta R.T. -0.029 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

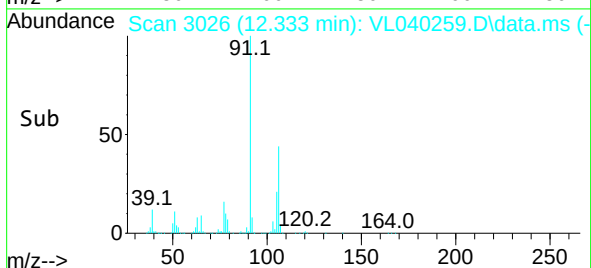
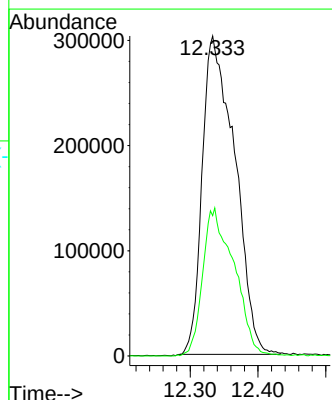
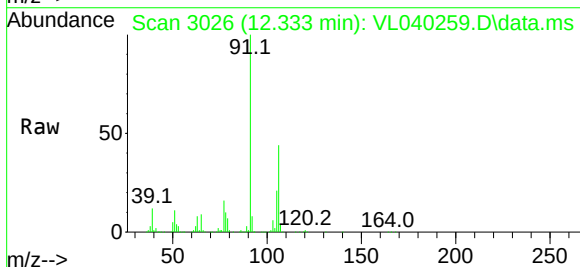
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SS

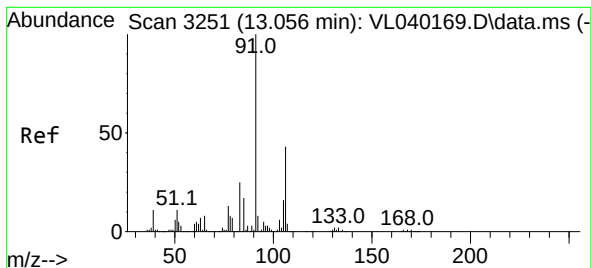
Tgt Ion: 91 Resp: 271534
Ion Ratio Lower Upper
91 100
106 28.5 24.9 37.3



#59
m/p-Xylene
Concen: 5.243 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. -0.064 min
Lab File: VL040259.D
Acq: 8 Mar 2023 18:11

Tgt Ion: 91 Resp: 1005317
Ion Ratio Lower Upper
91 100
106 45.2 34.6 51.8





#60

o-Xylene

Concen: 0.595 ppbv

RT: 13.050 min Scan# 31

Delta R.T. -0.032 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

Instrument :

MSVOA_L

ClientSampleId :

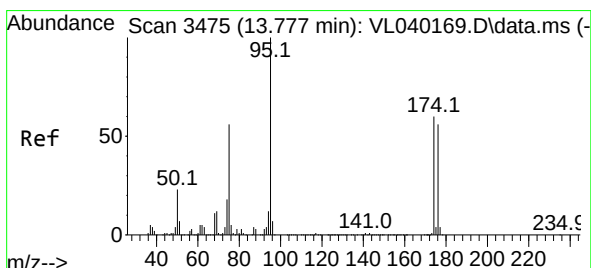
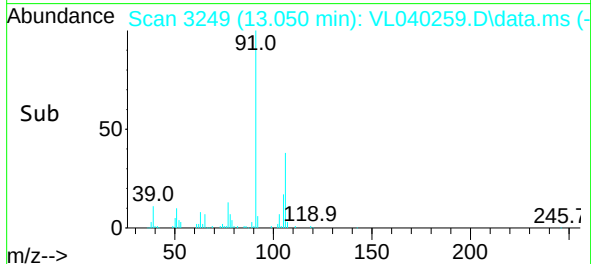
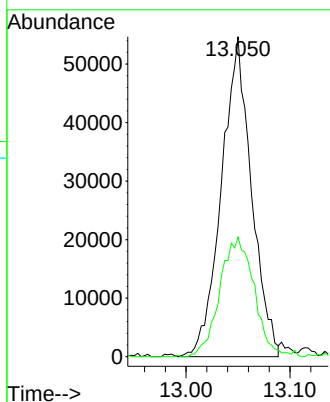
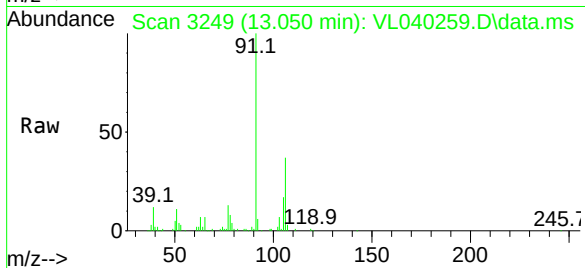
LM-3723-SS

Tgt Ion: 91 Resp: 109774

Ion Ratio Lower Upper

91 100

106 43.1 21.6 65.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.162 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.032 min

Lab File: VL040259.D

Acq: 8 Mar 2023 18:11

Tgt Ion: 95 Resp: 1488964

Ion Ratio Lower Upper

95 100

174 58.3 48.2 72.2

175 4.2 3.4 5.2

