

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040260.D
 Acq On : 8 Mar 2023 18:49
 Operator : SY/MD
 Sample : 01836-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

Quant Time: Mar 09 04:15:25 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)

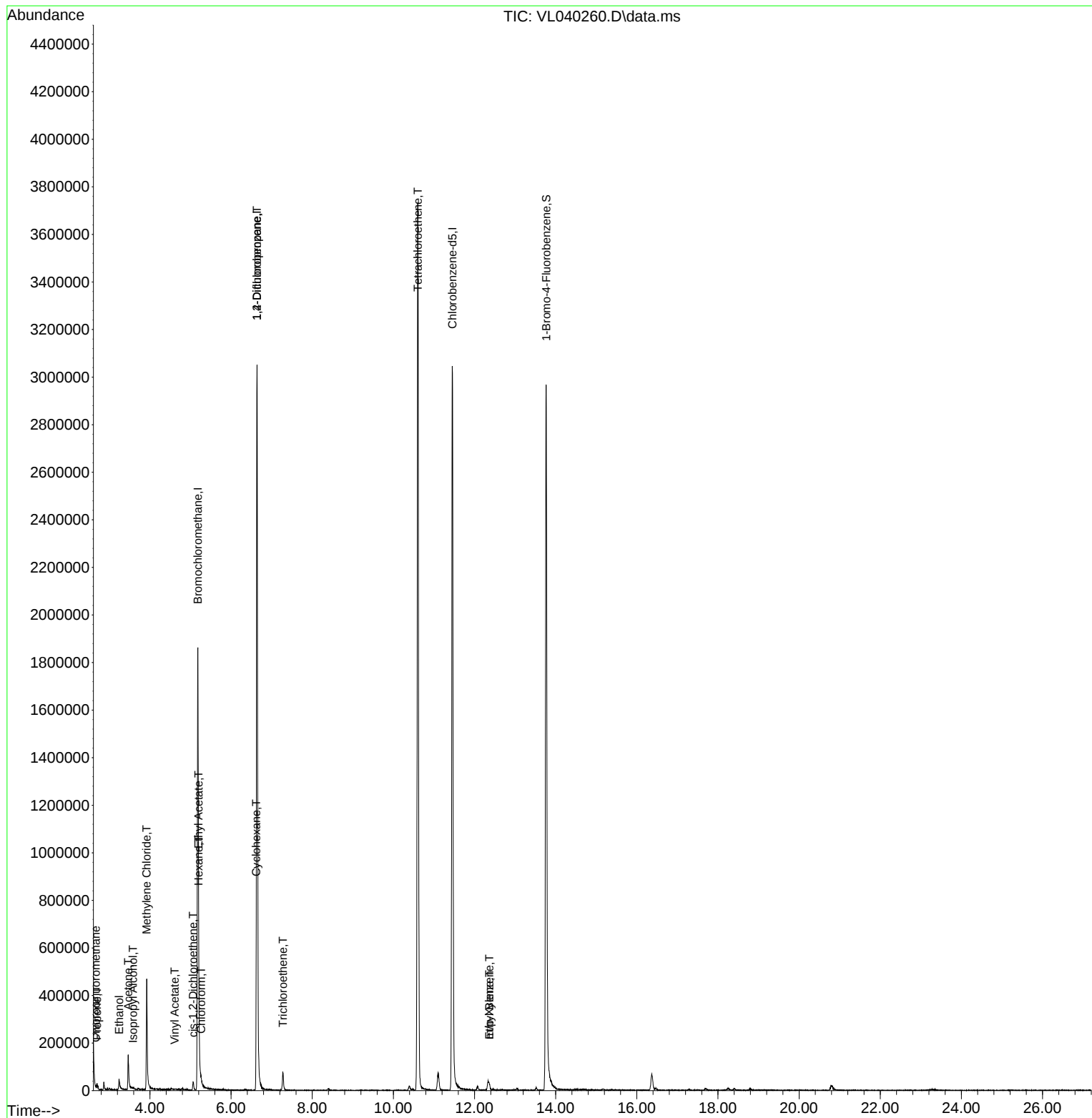
Internal Standards						
1) Bromochloromethane	5.179	49	867596	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2188581	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	1892748	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1513982	9.727	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.665	51	7343	0.071	ppbv	93
9) Propene	2.694	41	3467	0.082	ppbv	87
13) Ethanol	3.240	45	43923	11.293	ppbv	89
15) Acetone	3.465	43	149775	1.434	ppbv	96
19) Isopropyl Alcohol	3.581	45	1523	0.031	ppbv #	90
20) Methylene Chloride	3.922	84	159500	2.933	ppbv	97
23) Vinyl Acetate	4.610	43	2169	0.068	ppbv #	73
25) Ethyl Acetate	5.198	43	57806	0.298	ppbv #	75
26) Hexane	5.202	57	81087	0.973	ppbv #	34
29) Chloroform	5.266	83	6301	0.044	ppbv #	79
30) Cyclohexane	6.620	84	2451	0.037	ppbv #	4
31) cis-1,2-Dichloroethene	5.067	61	18488	0.233	ppbv #	73
38) Trichloroethene	7.275	130	17940	0.191	ppbv	90
39) 1,2-Dichloropropane	6.639	63	563859	8.510	ppbv #	26
52) Tetrachloroethene	10.603	164	851698	16.014	ppbv	98
58) Ethyl Benzene	12.365	91	8944	0.039	ppbv	98
59) m/p-Xylene	12.365	91	8944	0.044	ppbv #	33

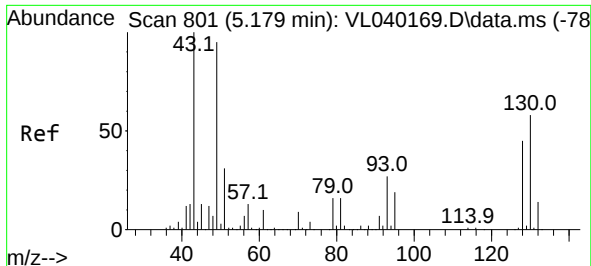
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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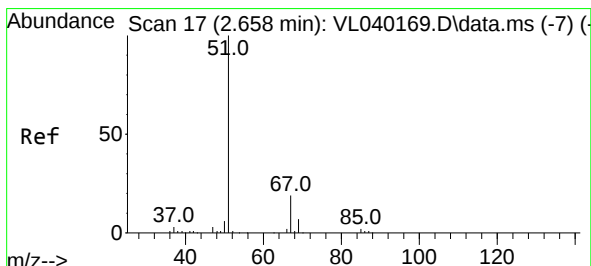
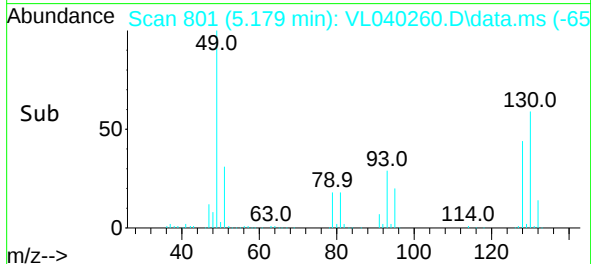
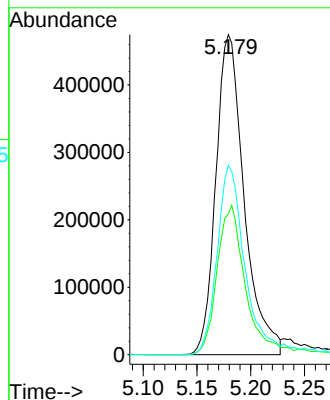
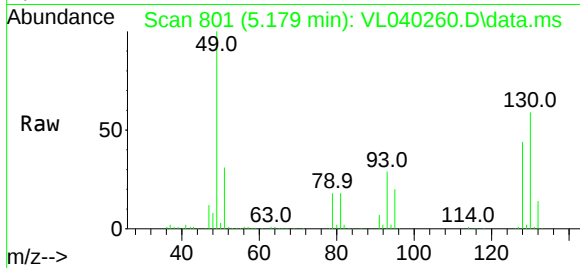




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.022 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

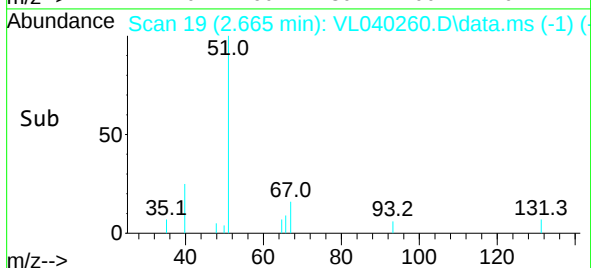
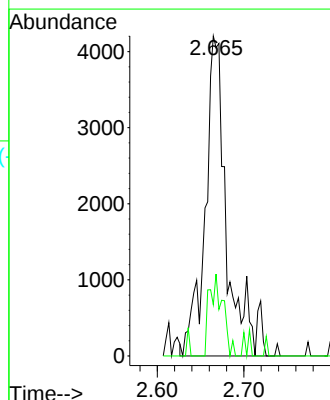
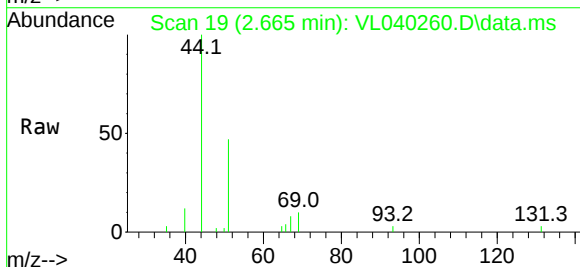
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

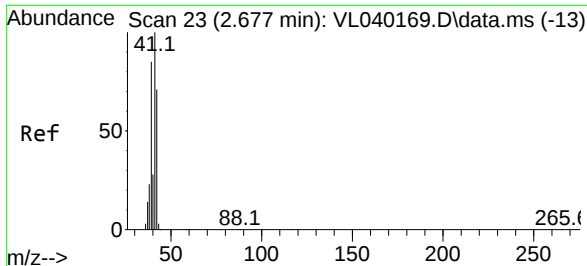
Tgt Ion: 49 Resp: 867596
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.3
130 60.7 30.9 92.8



#3
Chlorodifluoromethane
Concen: 0.071 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

Tgt Ion: 51 Resp: 7343
Ion Ratio Lower Upper
51 100
67 16.0 15.4 23.2





#9

Propene

Concen: 0.082 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Instrument :

MSVOA_L

ClientSampleId :

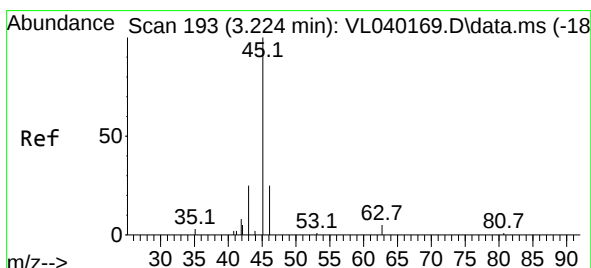
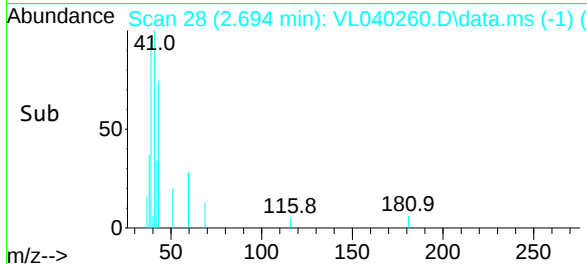
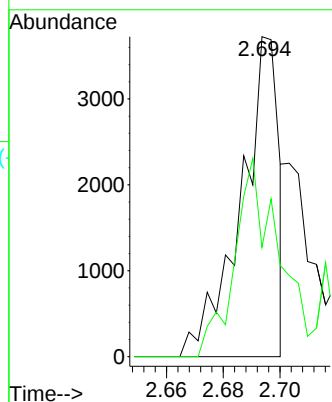
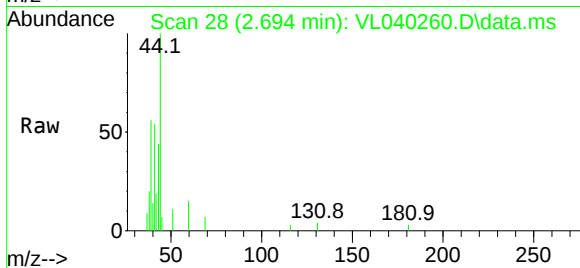
LM-3723-SSDL

Tgt Ion: 41 Resp: 3467

Ion Ratio Lower Upper

41 100

42 82.1 56.9 85.3



#13

Ethanol

Concen: 11.293 ppbv

RT: 3.240 min Scan# 198

Delta R.T. -0.006 min

Lab File: VL040260.D

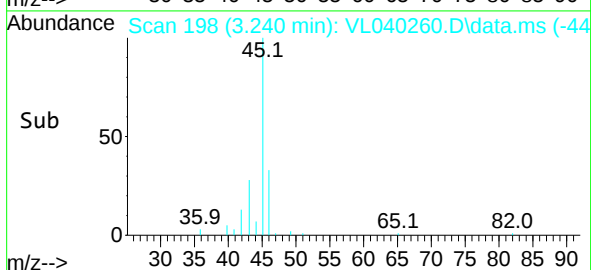
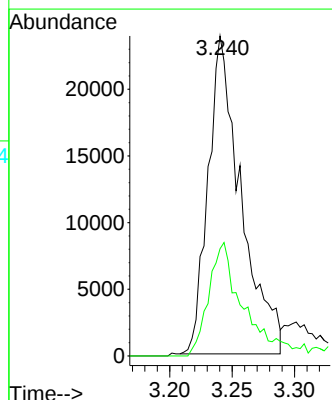
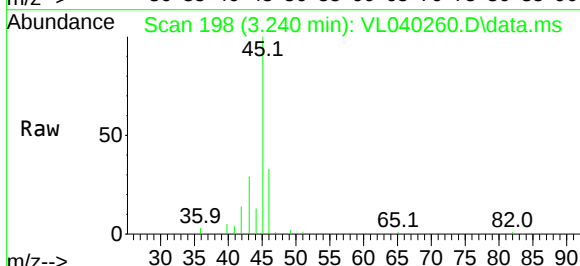
Acq: 8 Mar 2023 18:49

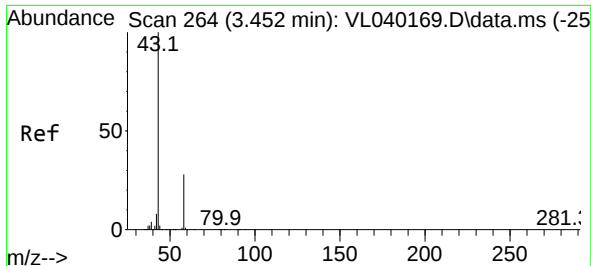
Tgt Ion: 45 Resp: 43923

Ion Ratio Lower Upper

45 100

46 39.2 13.3 53.1

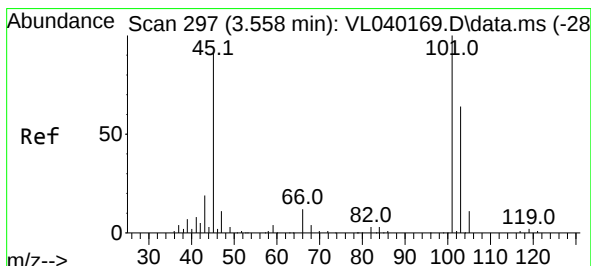
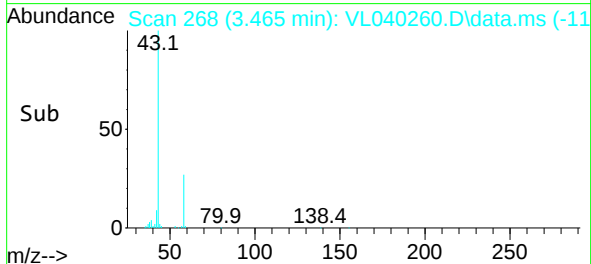
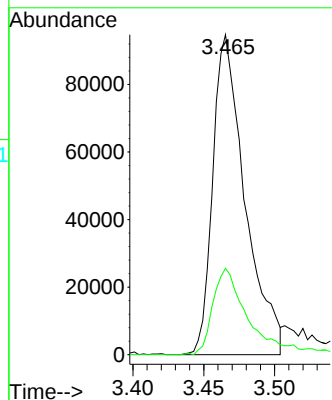
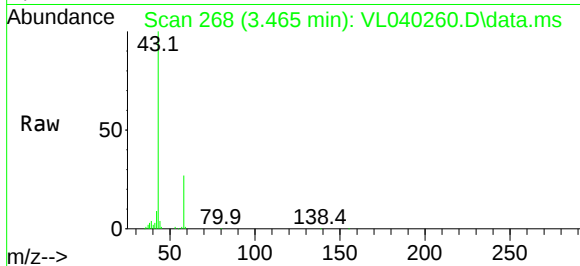




#15
Acetone
Concen: 1.434 ppbv
RT: 3.465 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

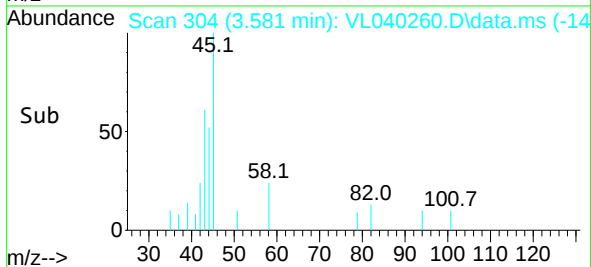
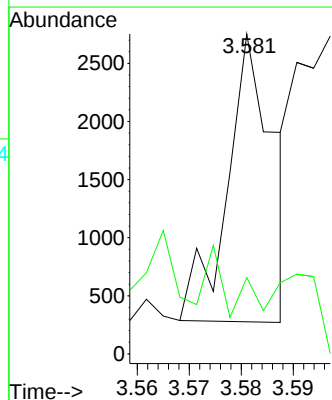
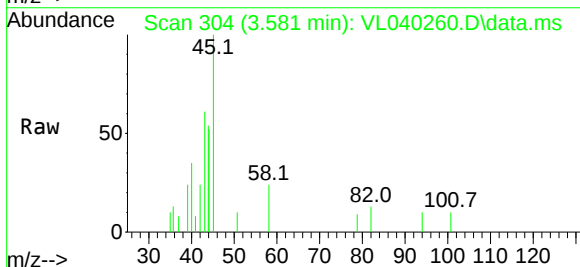
Instrument :
MSVOA_L
ClientSampleId :
LM-3723-SSDL

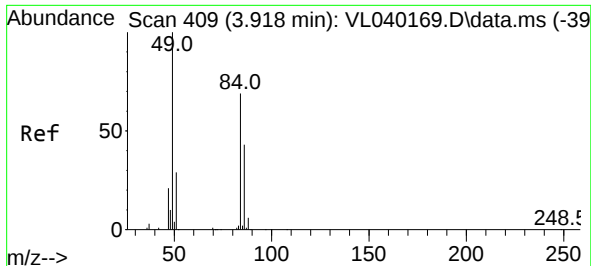
Tgt Ion: 43 Resp: 149775
Ion Ratio Lower Upper
43 100
58 30.3 22.4 33.6



#19
Isopropyl Alcohol
Concen: 0.031 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.007 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

Tgt Ion: 45 Resp: 1523
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#





#20

Methylene Chloride

Concen: 2.933 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.013 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-SSDL

Tgt Ion: 84 Resp: 159500

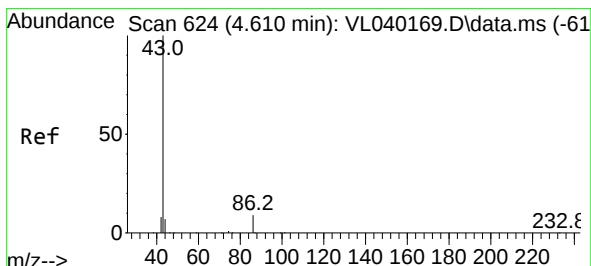
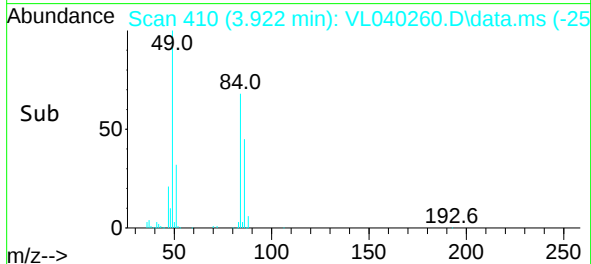
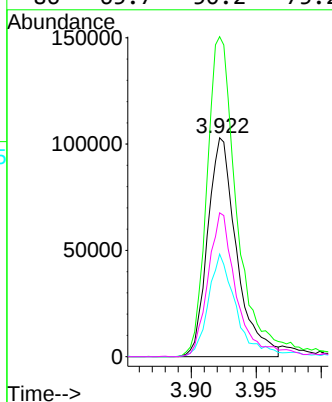
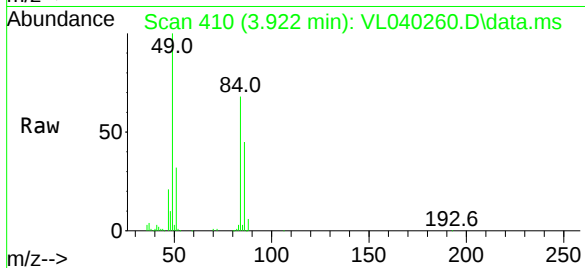
Ion Ratio Lower Upper

84 100

49 146.0 115.5 173.3

51 46.7 33.1 49.7

86 65.7 50.2 75.2



#23

Vinyl Acetate

Concen: 0.068 ppbv

RT: 4.610 min Scan# 624

Delta R.T. -0.022 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Tgt Ion: 43 Resp: 2169

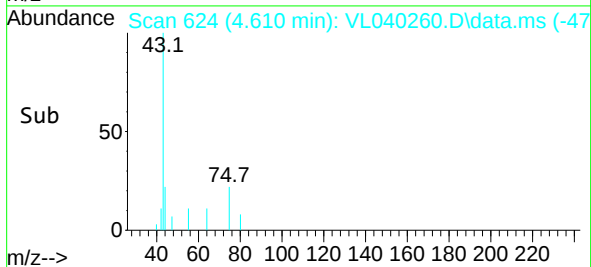
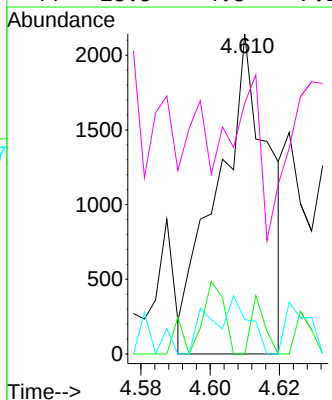
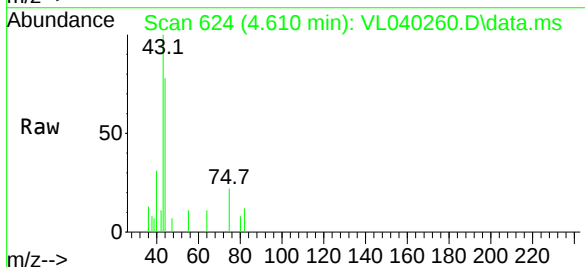
Ion Ratio Lower Upper

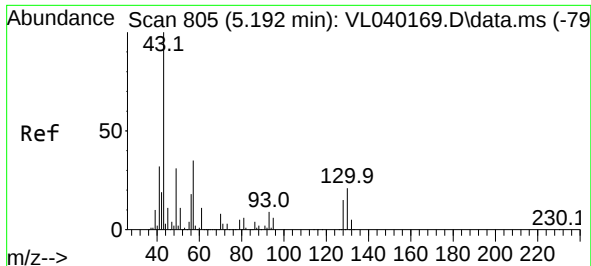
43 100

86 0.0 5.6 8.4#

42 11.9 7.6 11.4#

44 28.5 4.8 7.2#

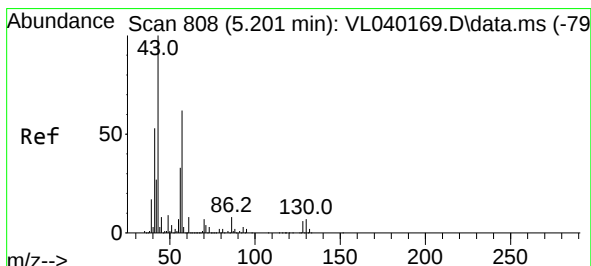
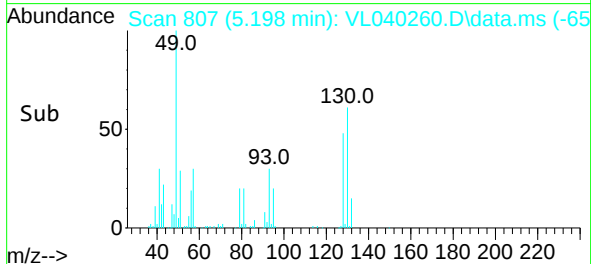
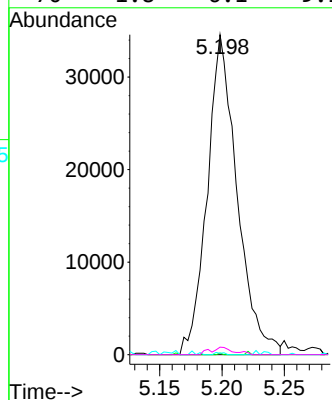
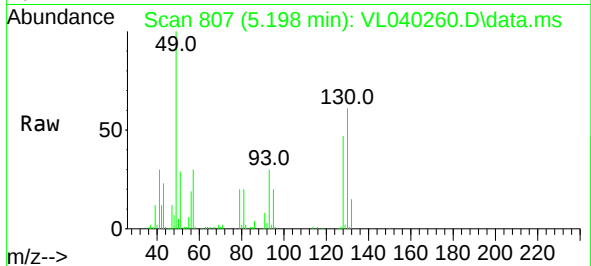




#25
Ethyl Acetate
Concen: 0.298 ppbv
RT: 5.198 min Scan# 805
Delta R.T. -0.013 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

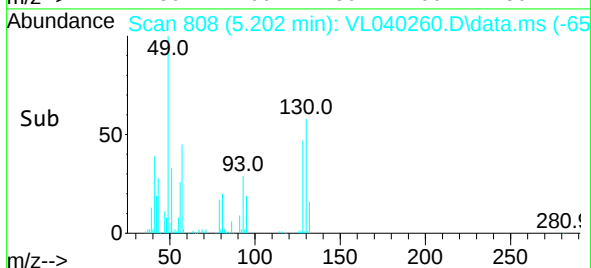
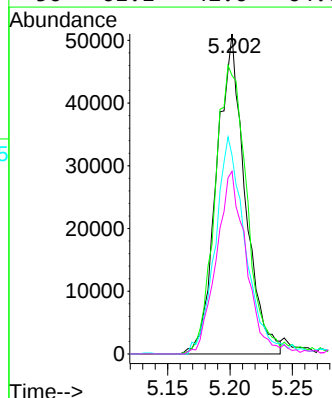
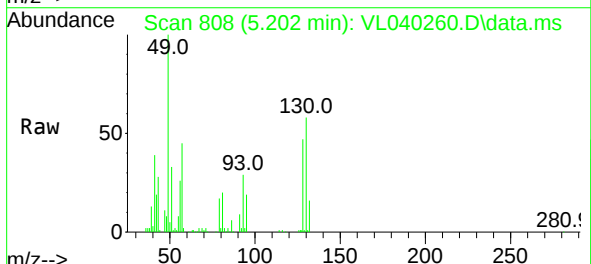
Instrument :
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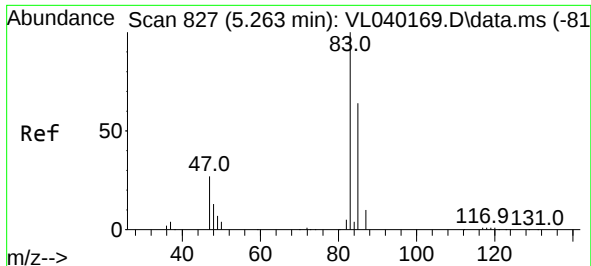
Tgt Ion: 43 Resp: 57806
Ion Ratio Lower Upper
43 100
45 0.1 8.3 12.5#
61 0.0 8.4 12.6#
70 1.8 6.1 9.1#



#26
Hexane
Concen: 0.973 ppbv
RT: 5.202 min Scan# 808
Delta R.T. -0.022 min
Lab File: VL040260.D
Acq: 8 Mar 2023 18:49

Tgt Ion: 57 Resp: 81087
Ion Ratio Lower Upper
57 100
41 103.6 74.3 111.5
43 73.3 193.0 289.4#
56 61.1 42.6 64.0





#29

Chloroform

Concen: 0.044 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Instrument :

MSVOA_L

ClientSampleId :

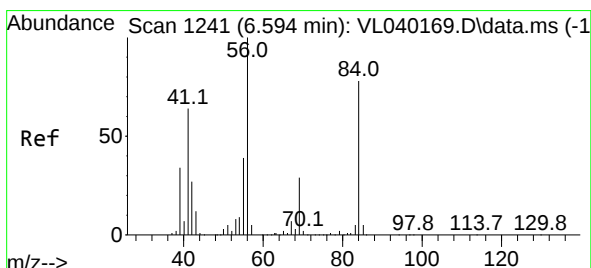
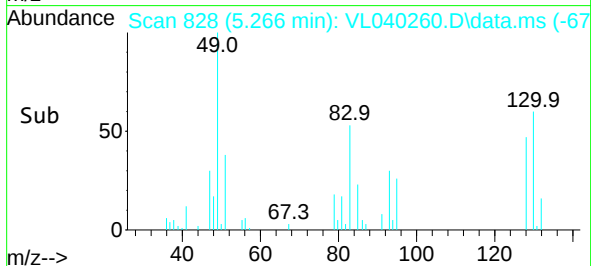
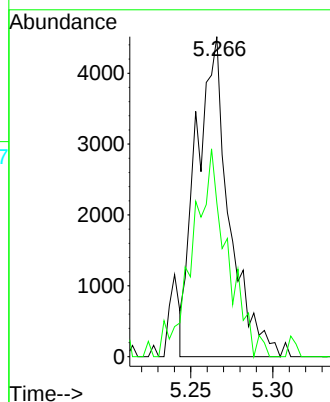
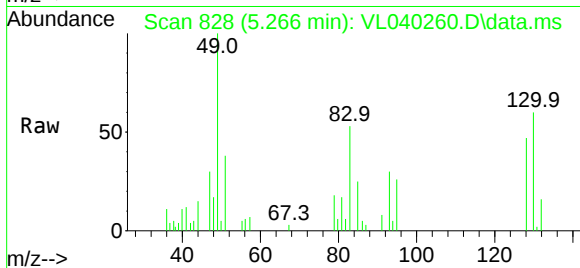
LM-3723-SSDL

Tgt Ion: 83 Resp: 6301

Ion Ratio Lower Upper

83 100

85 48.1 51.5 77.3#



#30

Cyclohexane

Concen: 0.037 ppbv

RT: 6.620 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

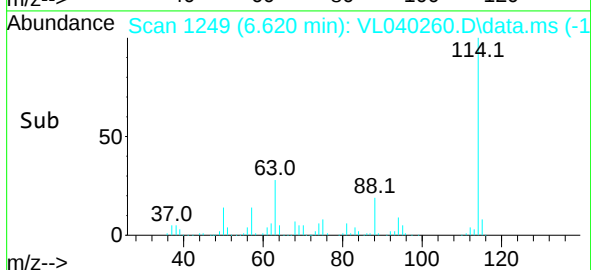
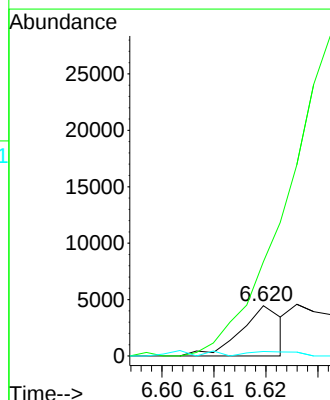
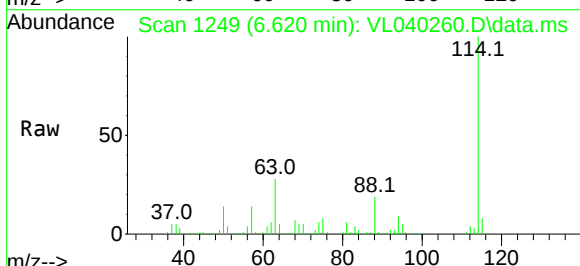
Tgt Ion: 84 Resp: 2451

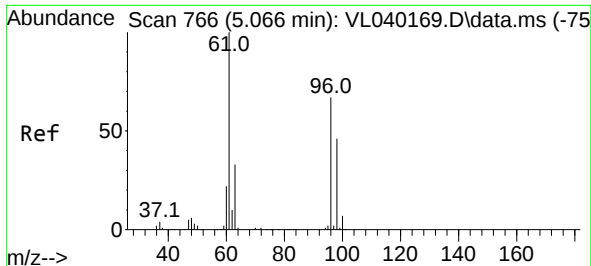
Ion Ratio Lower Upper

84 100

56 0.0 109.9 164.9#

41 24.2 67.8 101.6#

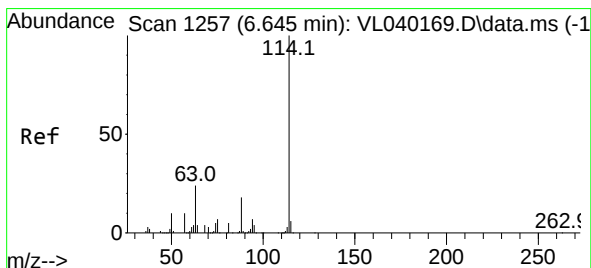
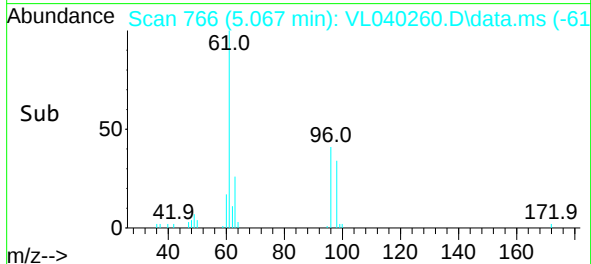
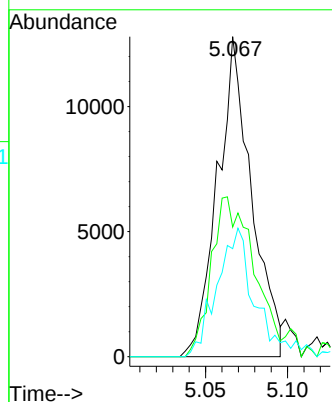
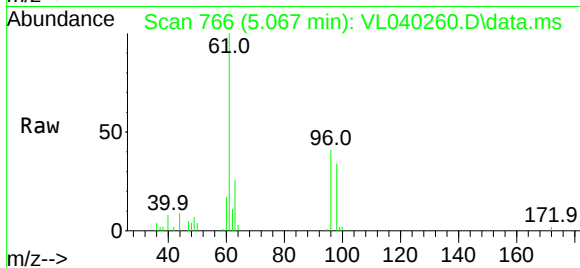




#31
 cis-1,2-Dichloroethene
 Concen: 0.233 ppbv
 RT: 5.067 min Scan# 766
 Delta R.T. -0.019 min
 Lab File: VL040260.D
 Acq: 8 Mar 2023 18:49

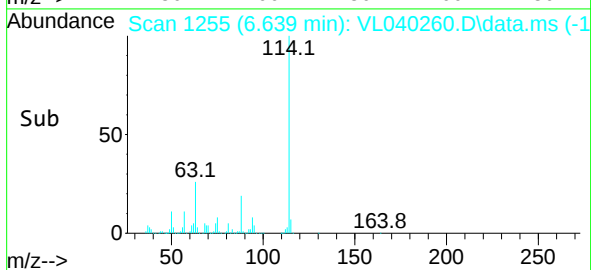
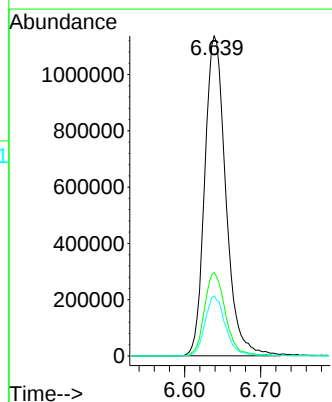
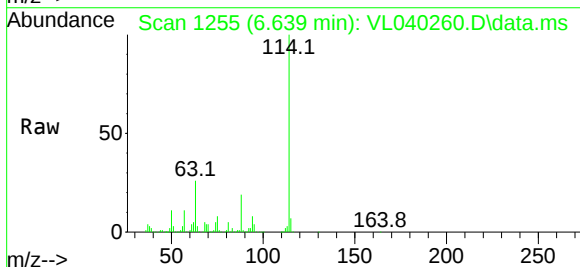
Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

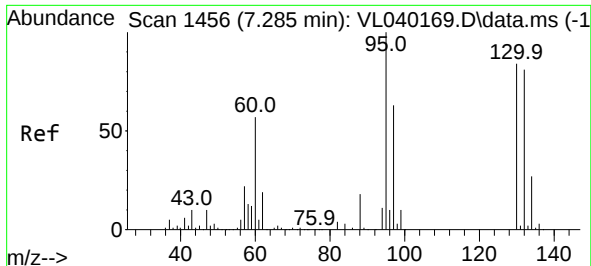
Tgt Ion: 61 Resp: 18488
 Ion Ratio Lower Upper
 61 100
 96 40.5 53.7 80.5#
 98 33.8 36.4 54.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.639 min Scan# 1255
 Delta R.T. -0.026 min
 Lab File: VL040260.D
 Acq: 8 Mar 2023 18:49

Tgt Ion: 114 Resp: 2188581
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.4 30.6
 88 18.4 14.3 21.5



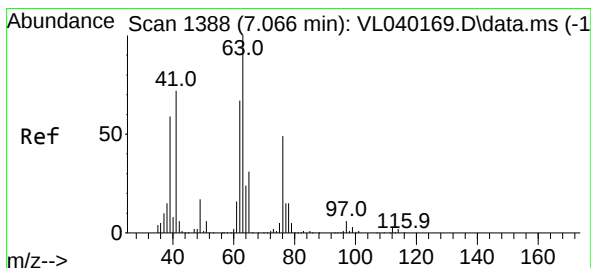
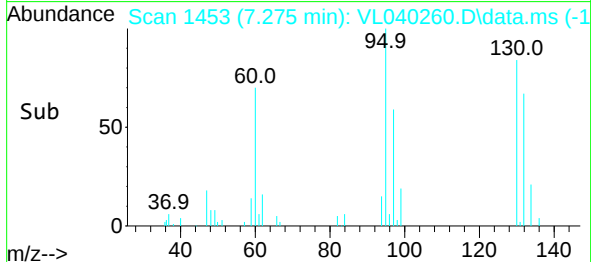
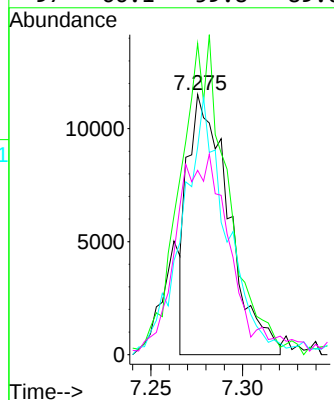
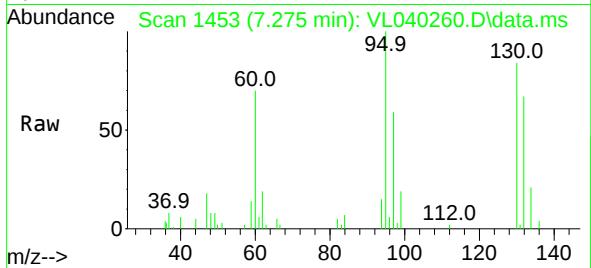


#38
 Trichloroethene
 Concen: 0.191 ppbv
 RT: 7.275 min Scan# 1456
 Delta R.T. -0.032 min
 Lab File: VL040260.D
 Acq: 8 Mar 2023 18:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

Tgt Ion:130 Resp: 17940

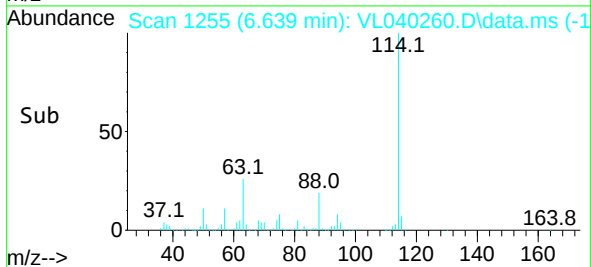
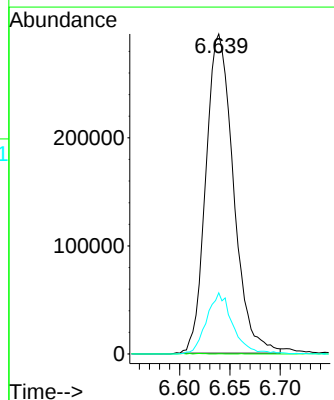
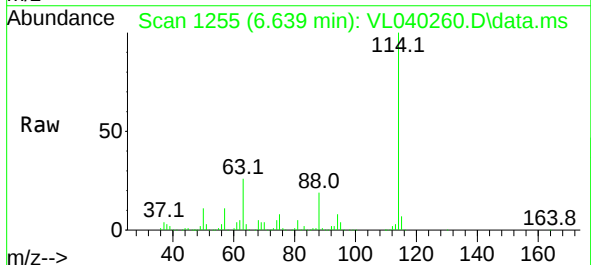
Ion	Ratio	Lower	Upper
130	100		
95	121.2	94.7	142.1
132	78.3	76.4	114.6
97	66.1	59.8	89.6

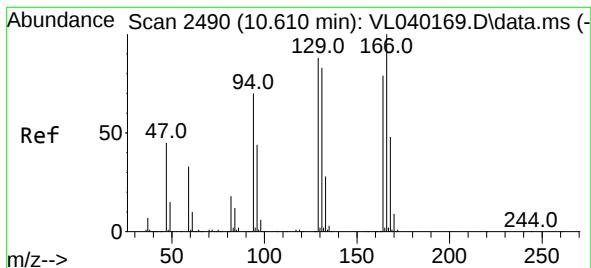


#39
 1,2-Dichloropropane
 Concen: 8.510 ppbv
 RT: 6.639 min Scan# 1255
 Delta R.T. -0.447 min
 Lab File: VL040260.D
 Acq: 8 Mar 2023 18:49

Tgt Ion: 63 Resp: 563859

Ion	Ratio	Lower	Upper
63	100		
41	0.1	57.6	86.4#
62	19.1	54.0	81.0#





#52

Tetrachloroethene

Concen: 16.014 ppbv

RT: 10.603 min Scan# 2490

Delta R.T. -0.032 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Instrument :

MSVOA_L

ClientSampleId :

LM-3723-SSDL

Tgt Ion:164 Resp: 851698

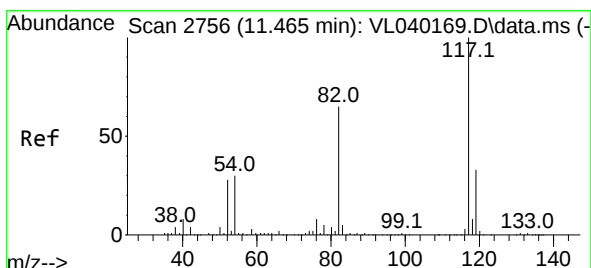
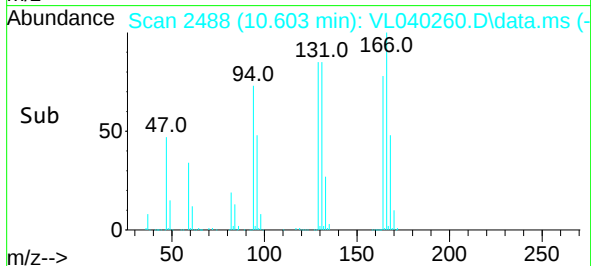
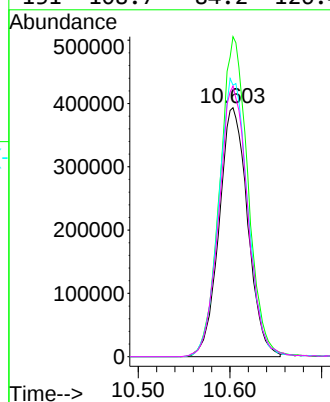
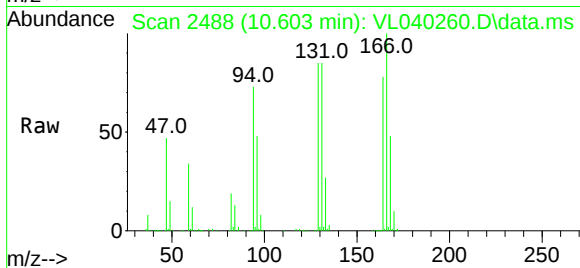
Ion Ratio Lower Upper

164 100

166 128.5 101.5 152.3

129 109.1 89.0 133.4

131 108.7 84.2 126.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.032 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

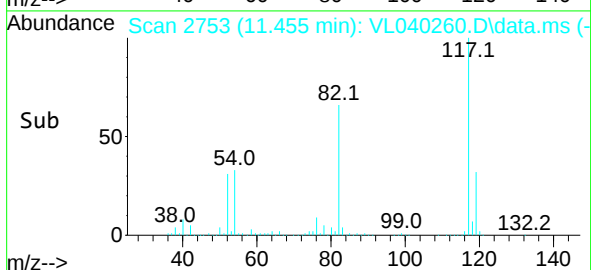
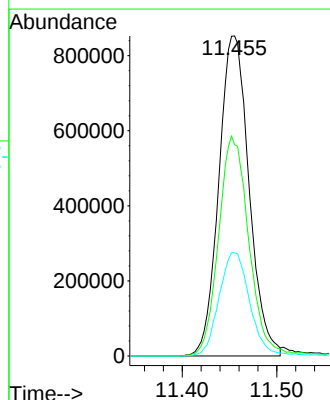
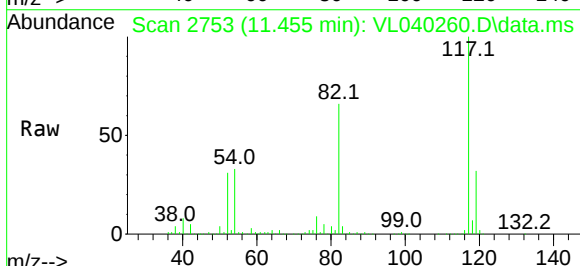
Tgt Ion:117 Resp: 1892748

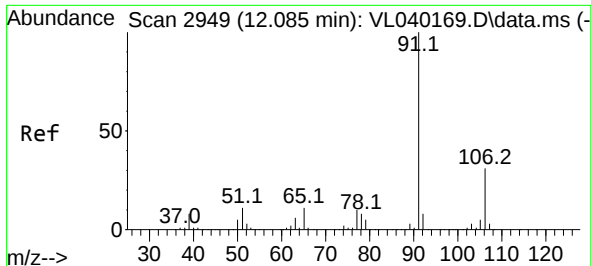
Ion Ratio Lower Upper

117 100

82 69.6 53.3 79.9

119 33.2 24.6 37.0





#58

Ethyl Benzene

Concen: 0.039 ppbv

RT: 12.365 min Scan# 3036

Delta R.T. 0.254 min

Lab File: VL040260.D

Acq: 8 Mar 2023 18:49

Instrument :

MSVOA_L

ClientSampleId :

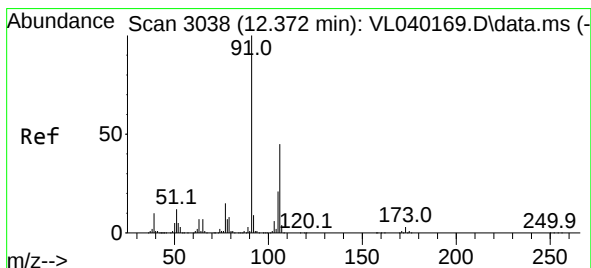
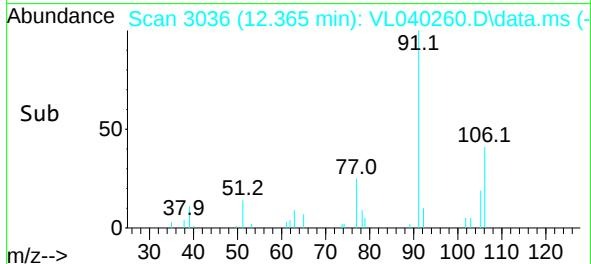
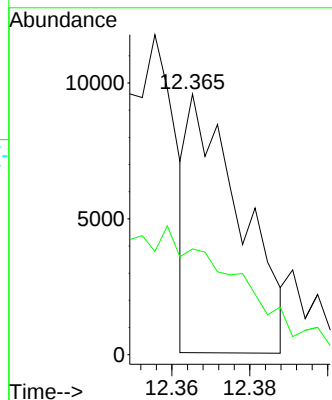
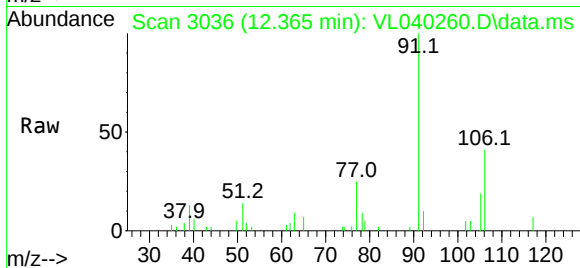
LM-3723-SSDL

Tgt Ion: 91 Resp: 8944

Ion Ratio Lower Upper

91 100

106 30.0 24.9 37.3



#59

m/p-Xylene

Concen: 0.044 ppbv

RT: 12.365 min Scan# 3036

Delta R.T. -0.032 min

Lab File: VL040260.D

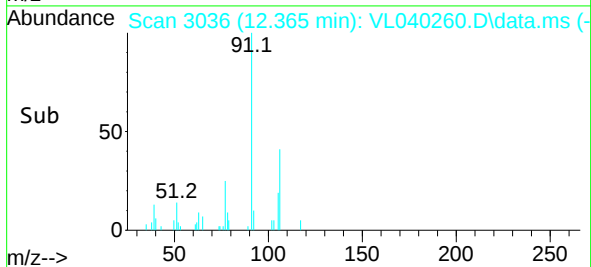
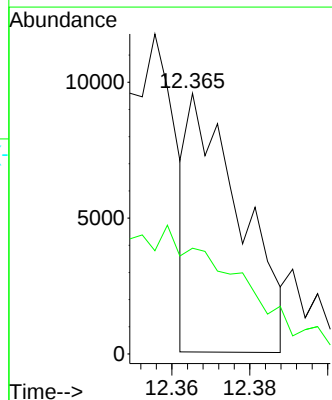
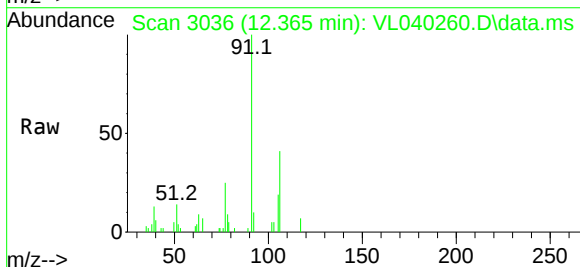
Acq: 8 Mar 2023 18:49

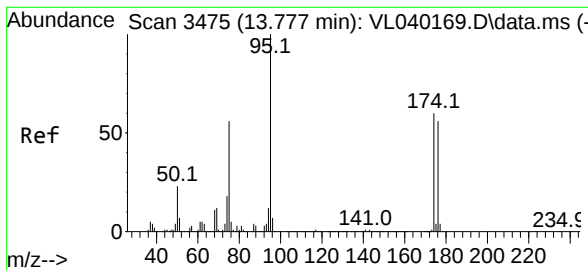
Tgt Ion: 91 Resp: 8944

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.727 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. -0.029 min
 Lab File: VL040260.D
 Acq: 8 Mar 2023 18:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LM-3723-SSDL

Tgt Ion: 95 Resp: 1513982

Ion	Ratio	Lower	Upper
95	100		
174	59.7	48.2	72.2
175	4.3	3.4	5.2

