

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\Not Reviewed Data\
 Data File : VL040102.D
 Acq On : 16 Jan 2023 17:47
 Operator : SY/MD
 Sample : 01143-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BH1N3DL

Quant Time: Jan 17 05:57:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1189712	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	2973556	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2633199	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2145172	9.802	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	24904	0.119	ppbv #	85
3) Chlorodifluoromethane	2.668	51	38313	0.268	ppbv	100
4) Chloromethane	2.803	50	3753	0.043	ppbv	89
9) Propene	2.687	41	2222	0.037	ppbv #	15
11) Trichlorofluoromethane	3.562	101	72666	0.349	ppbv	90
13) Ethanol	3.253	45	10797	1.979	ppbv #	60
15) Acetone	3.485	43	34251	0.240	ppbv #	77
18) 1,1-Dichloroethene	3.880	96	7113	0.105	ppbv	92
20) Methylene Chloride	3.931	84	56207	0.893	ppbv #	90
25) Ethyl Acetate	5.214	43	26973	0.107	ppbv #	81
26) Hexane	5.214	57	40092	0.364	ppbv #	38
28) Methyl tert-Butyl Ether	4.607	73	10745	0.087	ppbv #	79
31) cis-1,2-Dichloroethene	5.079	61	69909	0.656	ppbv	91
38) Trichloroethene	7.301	130	381128	3.052	ppbv	98
39) 1,2-Dichloropropane	6.658	63	754739	8.769	ppbv #	23
52) Tetrachloroethene	10.632	164	86504	1.202	ppbv	97

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

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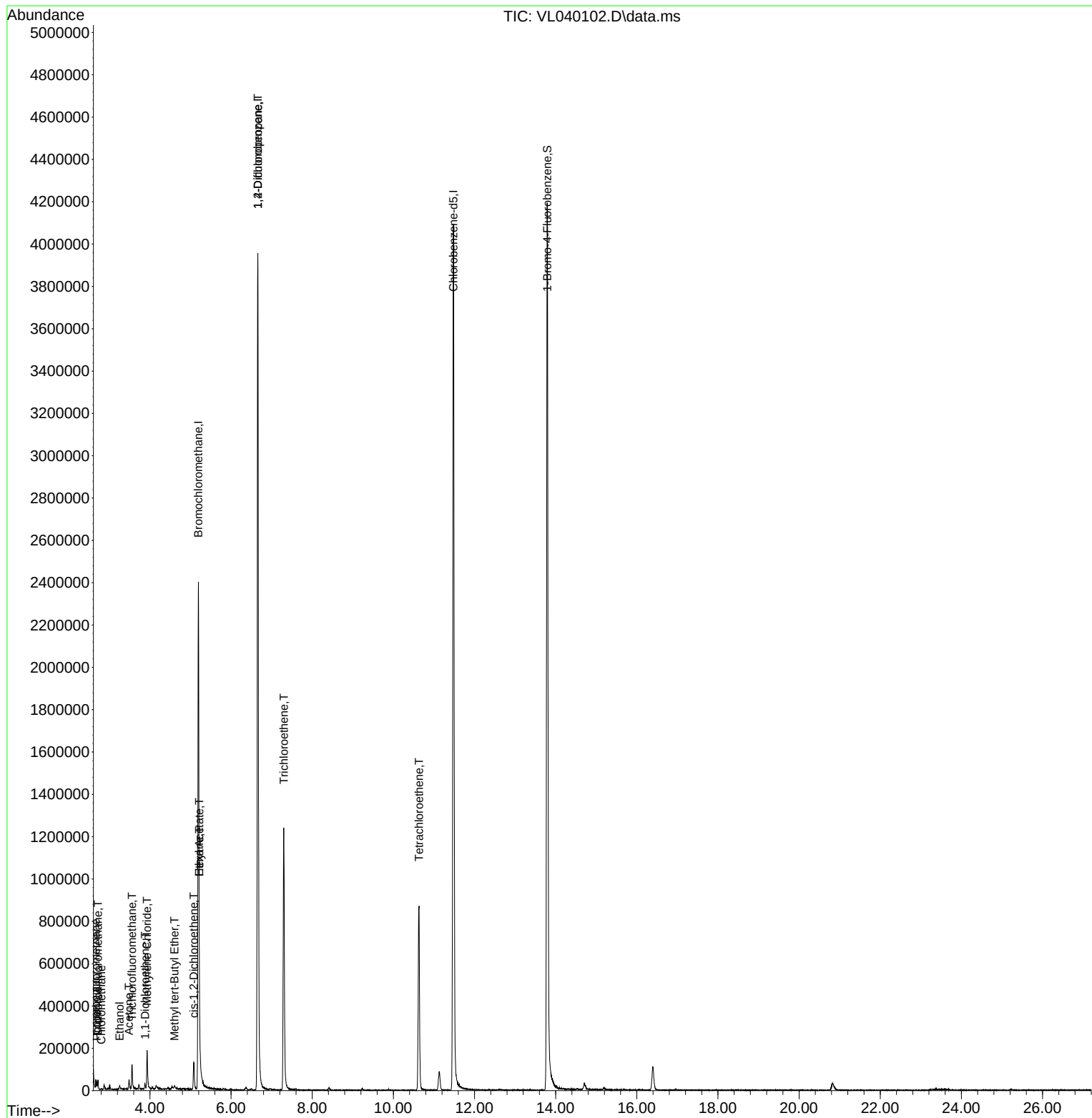
Quant Time: Jan 17 05:57:52 2023

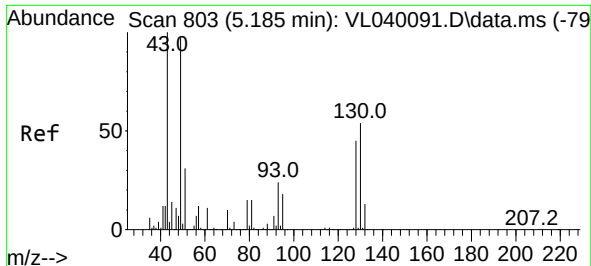
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

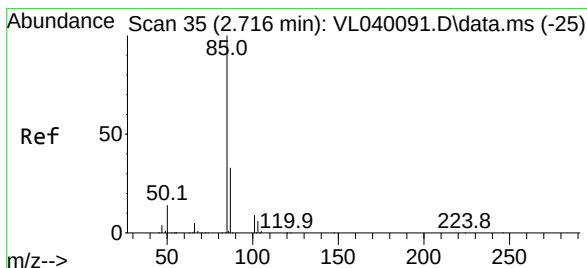
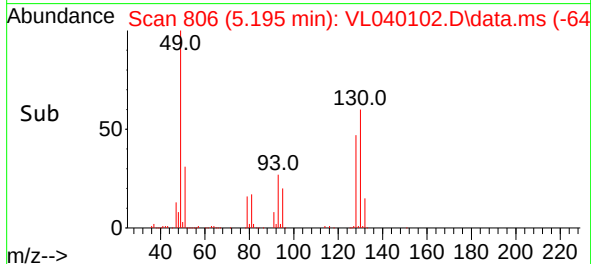
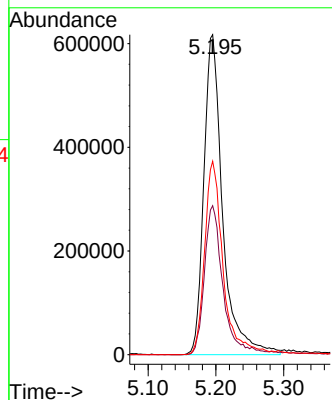
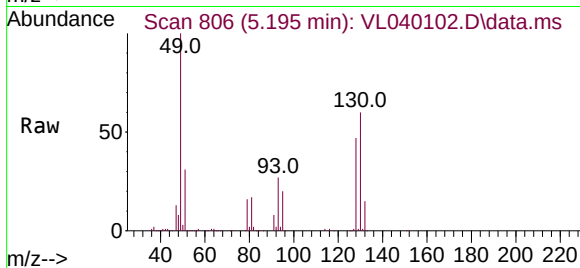




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.010 min
 Lab File: VL040102.D
 Acq: 16 Jan 2023 17:47

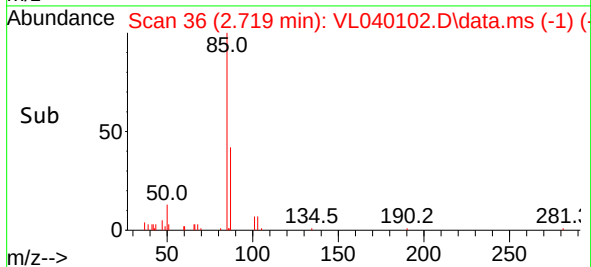
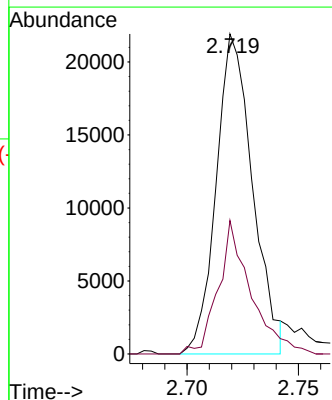
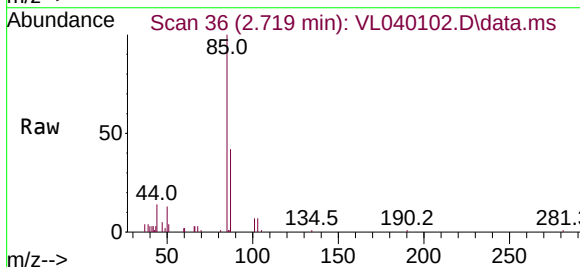
Instrument :
 MSVOA_L
 ClientSampleId :
 BH1N3DL

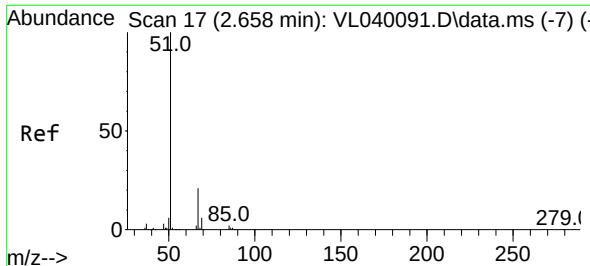
Tgt Ion: 49 Resp: 1189712
 Ion Ratio Lower Upper
 49 100
 128 47.2 23.6 71.0
 130 61.3 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 0.119 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL040102.D
 Acq: 16 Jan 2023 17:47

Tgt Ion: 85 Resp: 24904
 Ion Ratio Lower Upper
 85 100
 87 41.7 26.5 39.7#

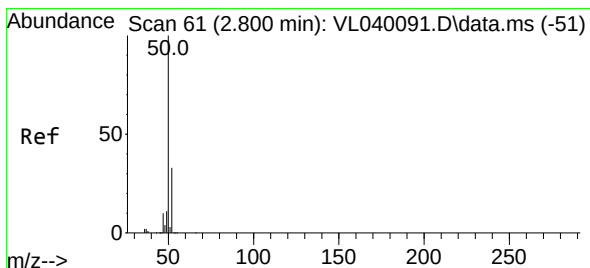
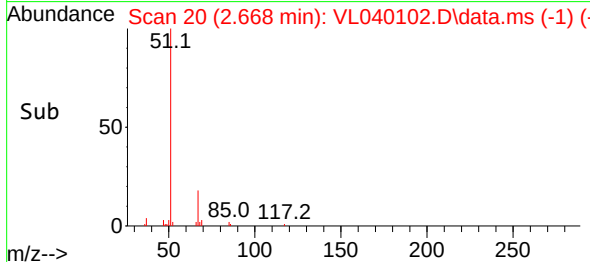
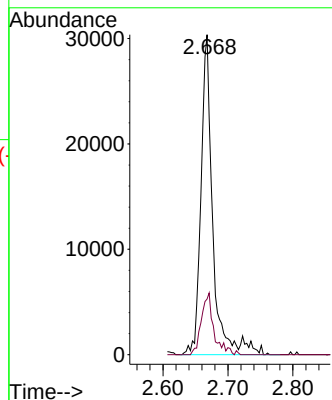
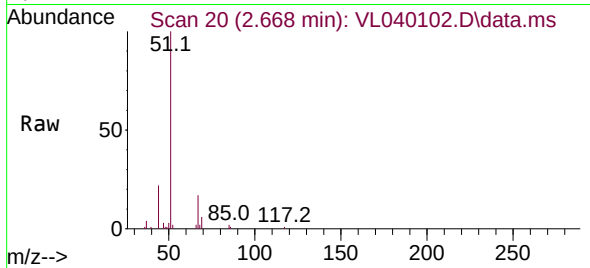




#3
Chlorodifluoromethane
Concen: 0.268 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

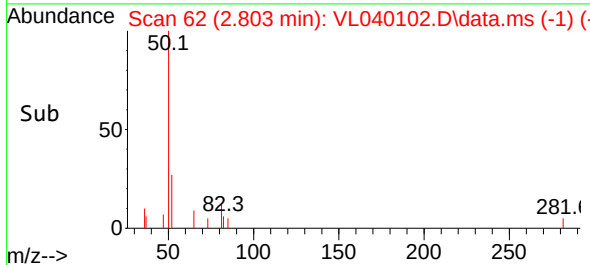
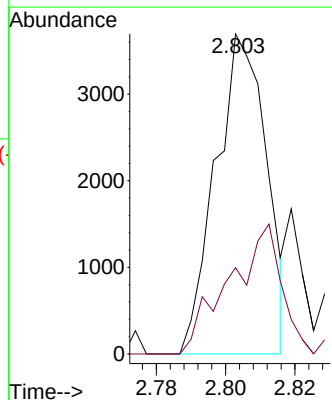
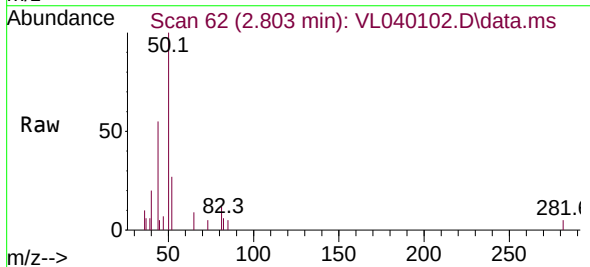
Instrument :
MSVOA_L
ClientSampleId :
BH1N3DL

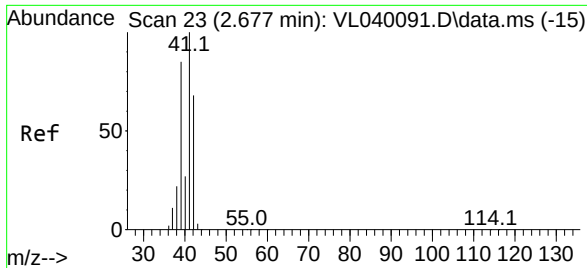
Tgt Ion: 51 Resp: 38313
Ion Ratio Lower Upper
51 100
67 20.6 16.4 24.6



#4
Chloromethane
Concen: 0.043 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Tgt Ion: 50 Resp: 3753
Ion Ratio Lower Upper
50 100
52 27.0 26.5 39.7

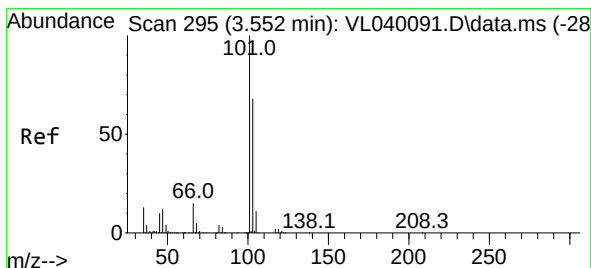
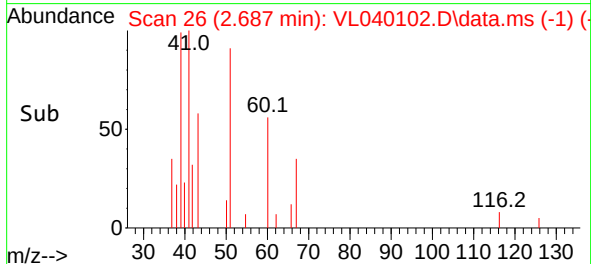
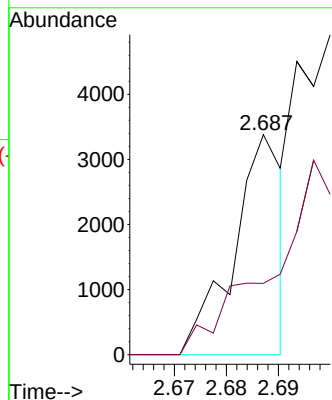
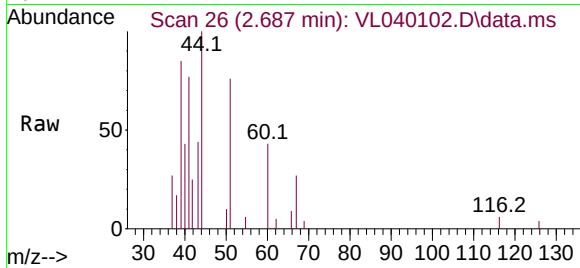




#9
Propene
Concen: 0.037 ppbv
RT: 2.687 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

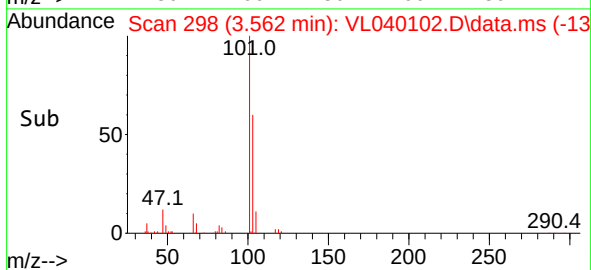
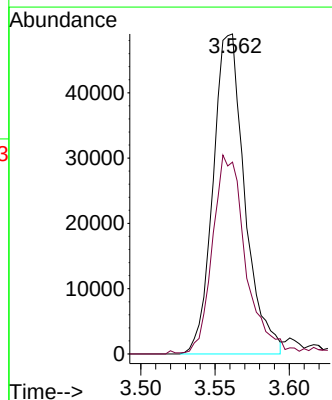
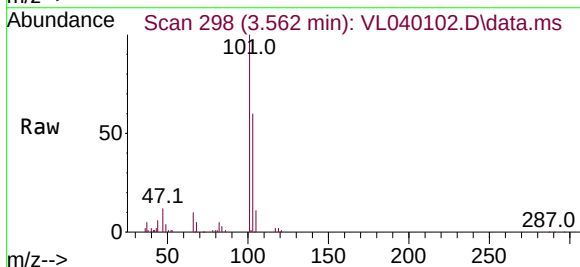
Instrument :
MSVOA_L
ClientSampleId :
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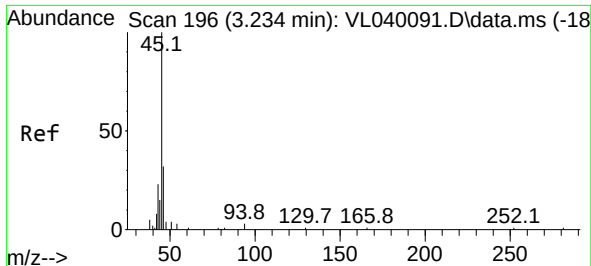
Tgt Ion: 41 Resp: 2222
Ion Ratio Lower Upper
41 100
42 0.0 55.6 83.4#



#11
Trichlorofluoromethane
Concen: 0.349 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.010 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Tgt Ion: 101 Resp: 72666
Ion Ratio Lower Upper
101 100
103 59.6 54.0 81.0

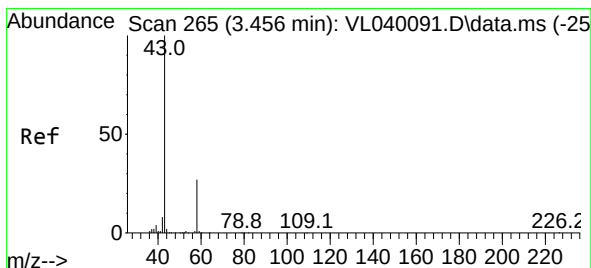
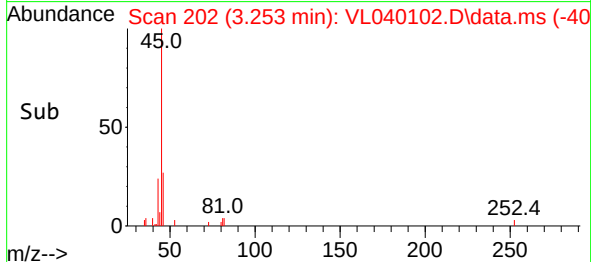
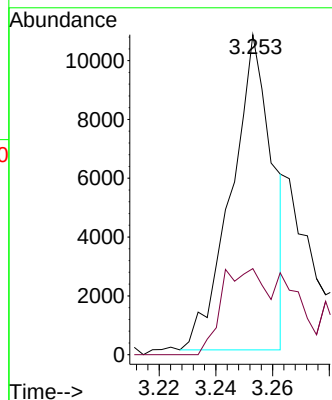
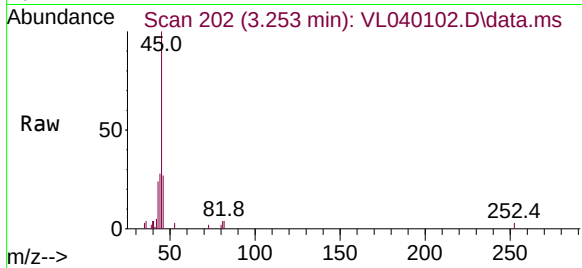




#13
 Ethanol
 Concen: 1.979 ppbv
 RT: 3.253 min Scan# 20
 Delta R.T. 0.019 min
 Lab File: VL040102.D
 Acq: 16 Jan 2023 17:47

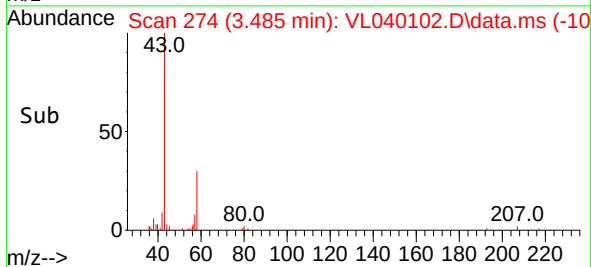
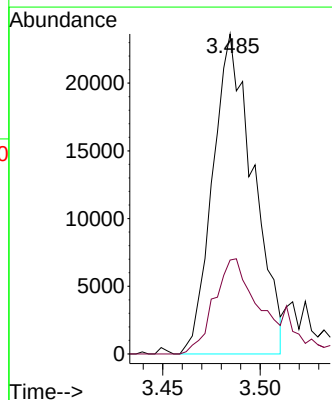
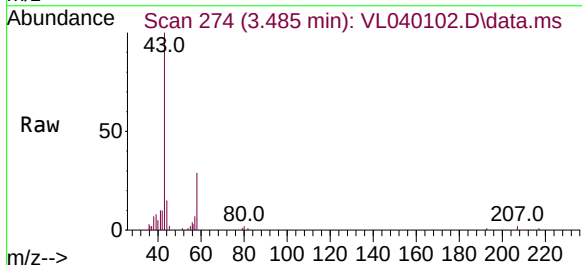
Instrument :
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 ClientSampleId :
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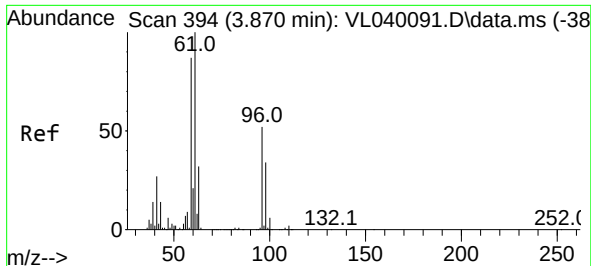
Tgt Ion: 45 Resp: 10797
 Ion Ratio Lower Upper
 45 100
 46 60.7 14.8 59.2#



#15
 Acetone
 Concen: 0.240 ppbv
 RT: 3.485 min Scan# 274
 Delta R.T. 0.029 min
 Lab File: VL040102.D
 Acq: 16 Jan 2023 17:47

Tgt Ion: 43 Resp: 34251
 Ion Ratio Lower Upper
 43 100
 58 39.4 21.8 32.8#





#18

1,1-Dichloroethene

Concen: 0.105 ppbv

RT: 3.880 min Scan# 394

Delta R.T. 0.010 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

BH1N3DL

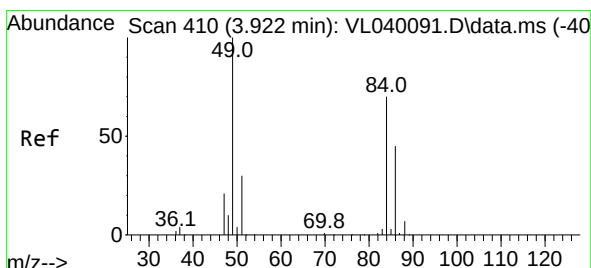
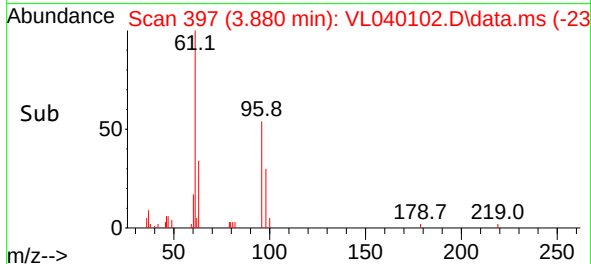
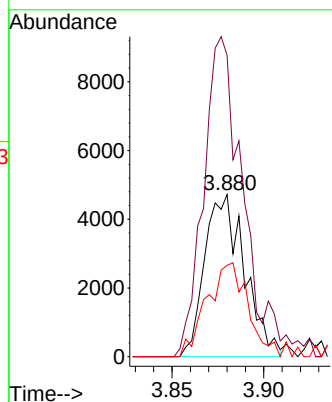
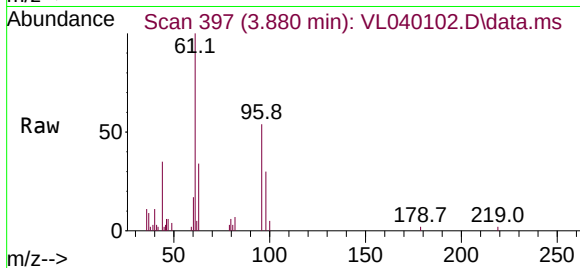
Tgt Ion: 96 Resp: 7113

Ion Ratio Lower Upper

96 100

61 181.2 153.0 229.4

98 56.4 52.7 79.1



#20

Methylene Chloride

Concen: 0.893 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.010 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

Tgt Ion: 84 Resp: 56207

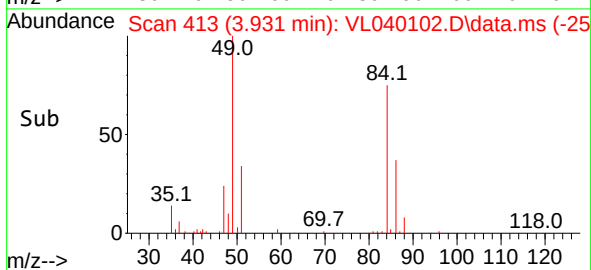
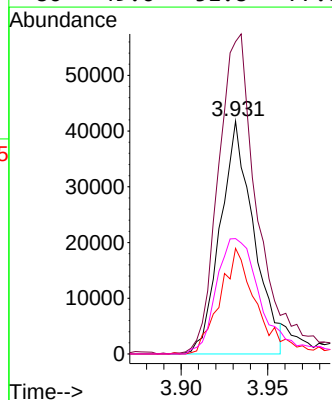
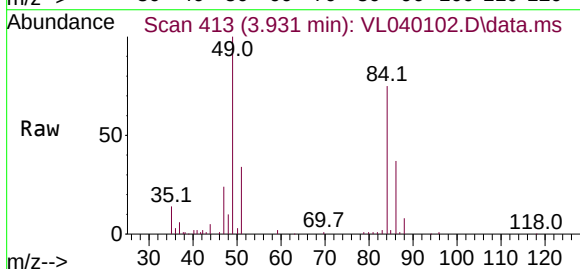
Ion Ratio Lower Upper

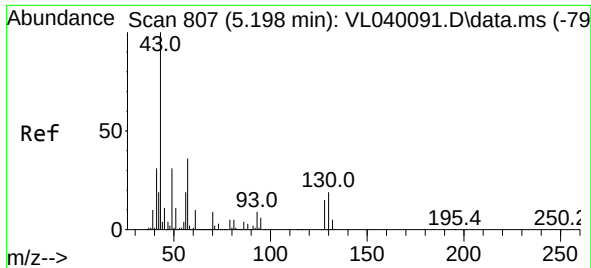
84 100

49 133.8 114.6 171.8

51 45.4 34.3 51.5

86 49.6 51.8 77.8#

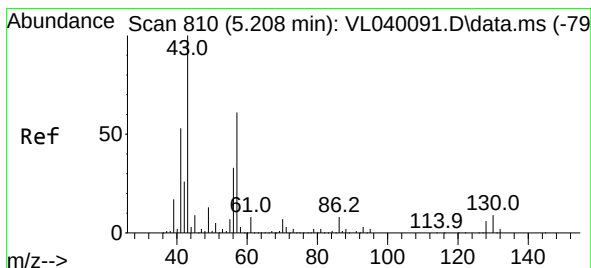
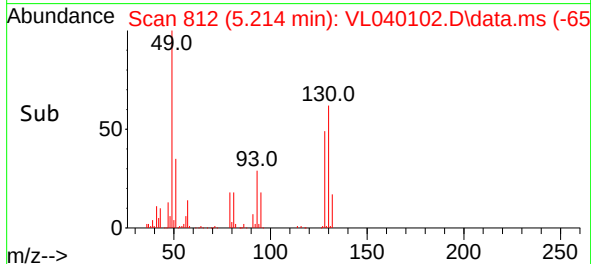
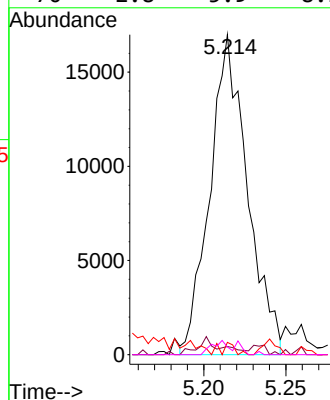
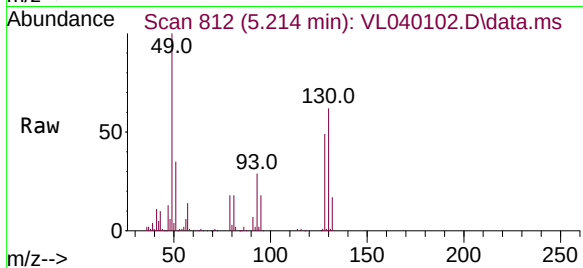




#25
Ethyl Acetate
Concen: 0.107 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.016 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

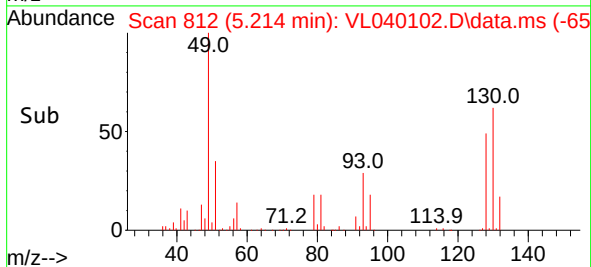
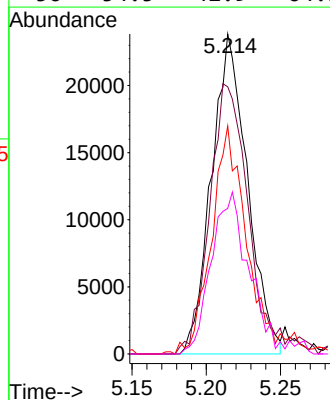
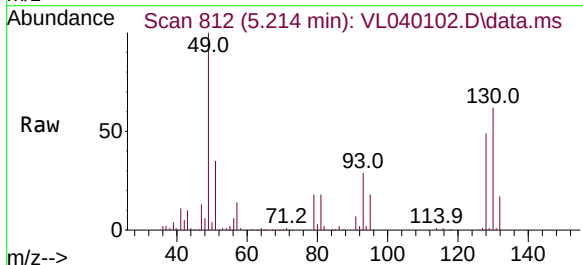
Instrument :
MSVOA_L
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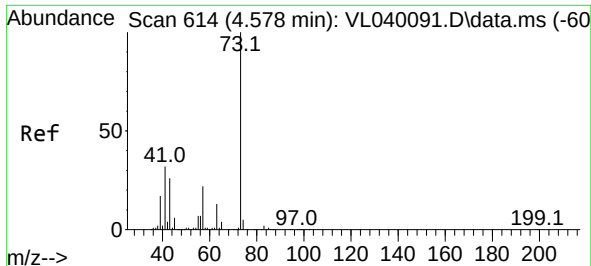
Tgt Ion: 43	Resp: 26973
Ion Ratio	Lower Upper
43 100	
45 5.4	8.5 12.7#
61 0.0	8.4 12.6#
70 2.8	5.9 8.9#



#26
Hexane
Concen: 0.364 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Tgt Ion: 57	Resp: 40092
Ion Ratio	Lower Upper
57 100	
41 93.2	72.2 108.4
43 73.7	192.1 288.1#
56 54.5	42.9 64.3





#28

Methyl tert-Butyl Ether

Concen: 0.087 ppbv

RT: 4.607 min Scan# 614

Delta R.T. 0.029 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

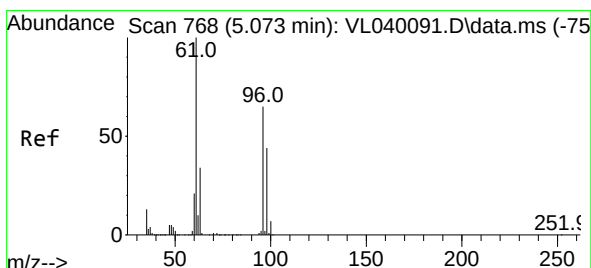
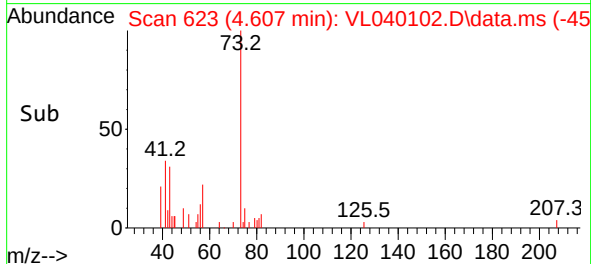
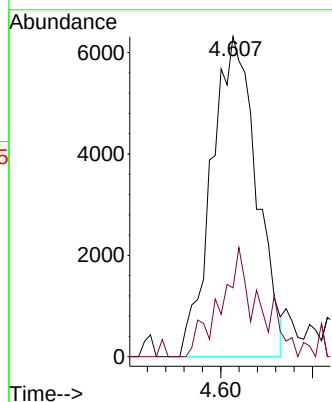
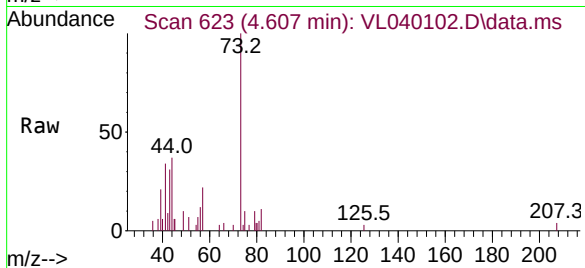
BH1N3DL

Tgt Ion: 73 Resp: 10745

Ion Ratio Lower Upper

73 100

57 33.2 18.3 27.5#



#31

cis-1,2-Dichloroethene

Concen: 0.656 ppbv

RT: 5.079 min Scan# 770

Delta R.T. 0.006 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

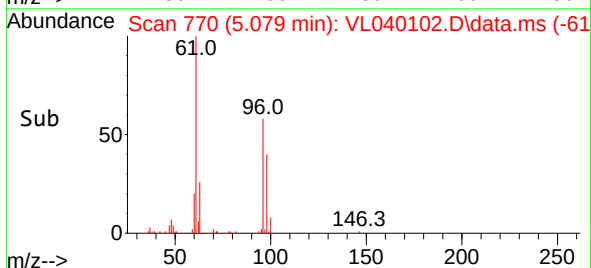
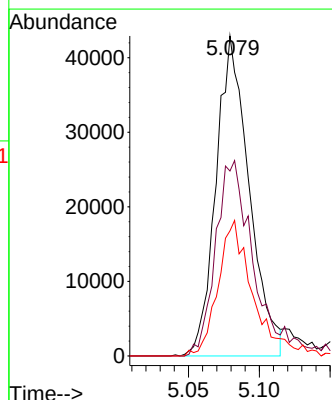
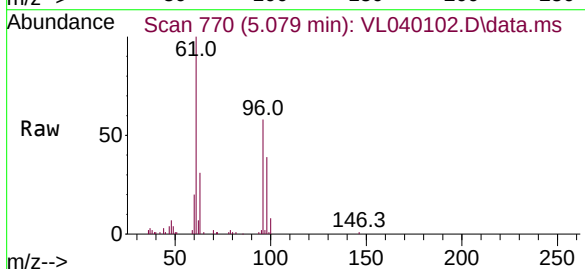
Tgt Ion: 61 Resp: 69909

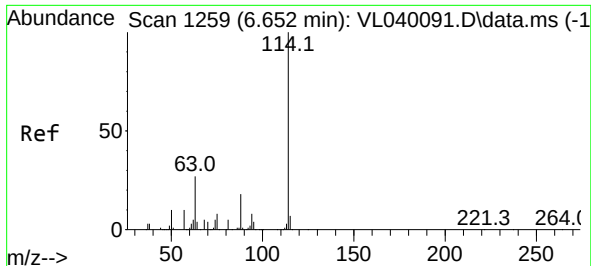
Ion Ratio Lower Upper

61 100

96 57.8 52.0 78.0

98 39.1 35.3 52.9

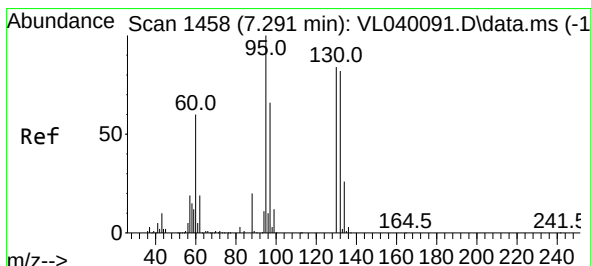
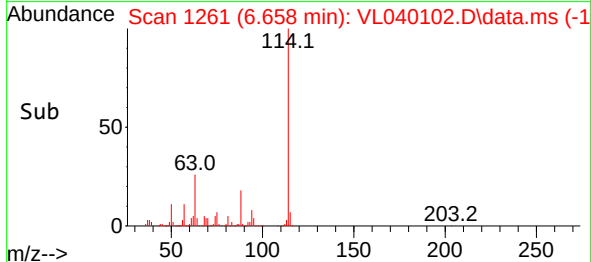
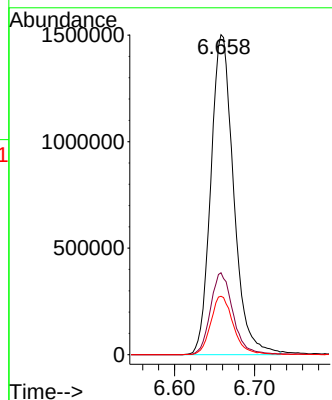
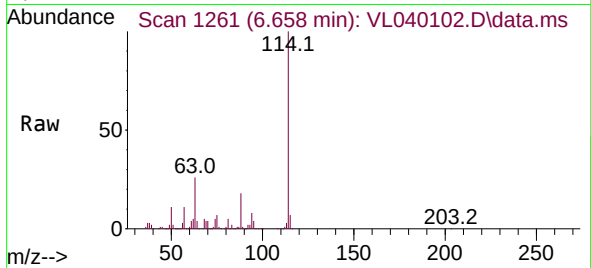




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

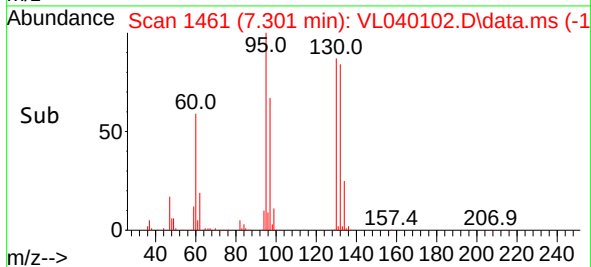
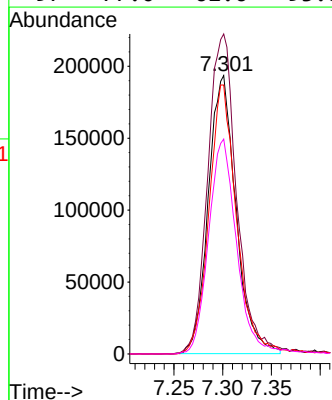
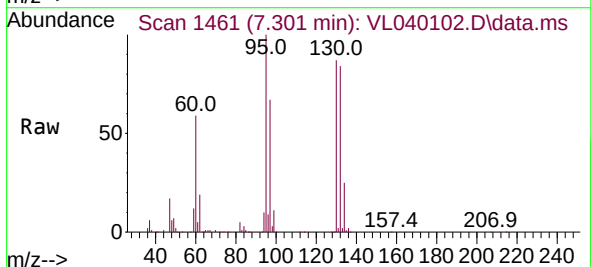
Instrument :
MSVOA_L
ClientSampleId :
BH1N3DL

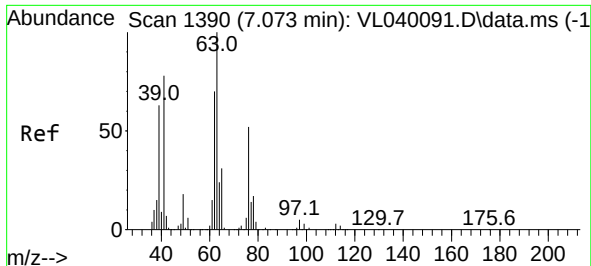
Tgt Ion:114 Resp: 2973556
Ion Ratio Lower Upper
114 100
63 25.6 21.8 32.8
88 18.4 14.8 22.2



#38
Trichloroethene
Concen: 3.052 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.010 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Tgt Ion:130 Resp: 381128
Ion Ratio Lower Upper
130 100
95 114.6 95.0 142.6
132 96.4 77.9 116.9
97 77.0 62.6 93.8





#39

1,2-Dichloropropane

Concen: 8.769 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

BH1N3DL

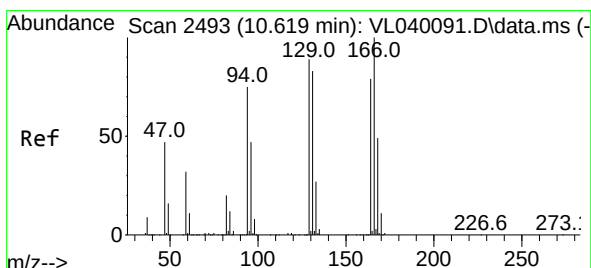
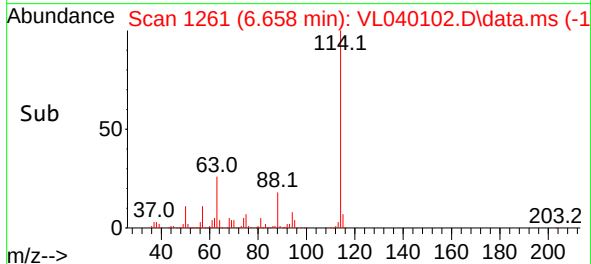
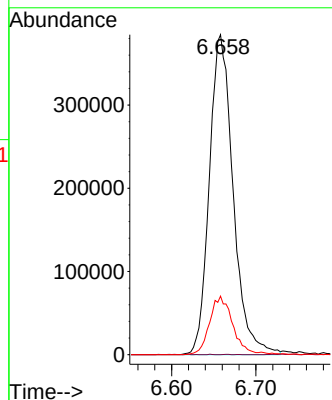
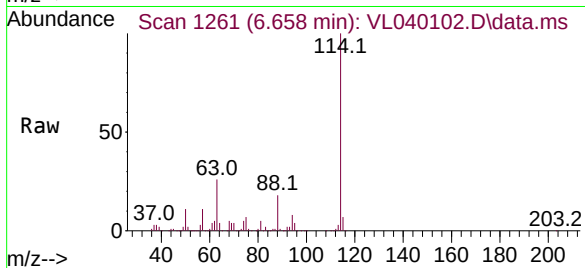
Tgt Ion: 63 Resp: 754739

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

62 18.3 55.8 83.8#



#52

Tetrachloroethene

Concen: 1.202 ppbv

RT: 10.632 min Scan# 2497

Delta R.T. 0.013 min

Lab File: VL040102.D

Acq: 16 Jan 2023 17:47

Tgt Ion:164 Resp: 86504

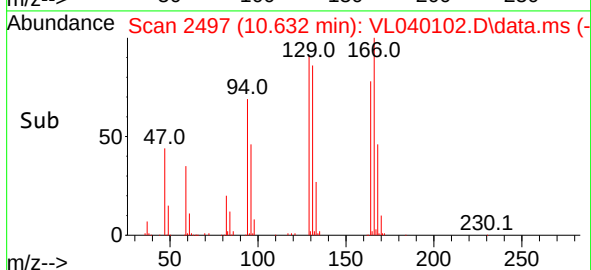
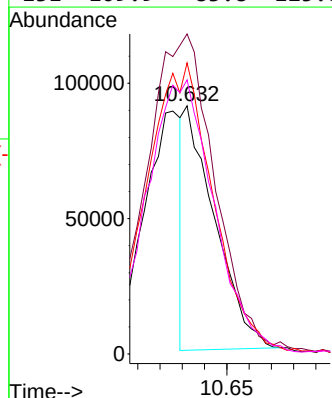
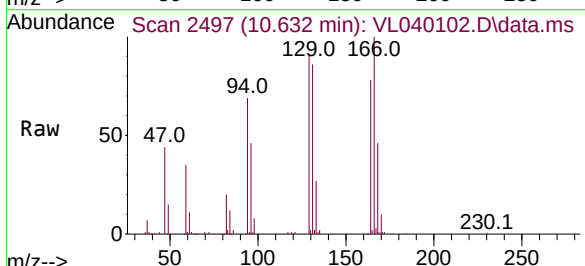
Ion Ratio Lower Upper

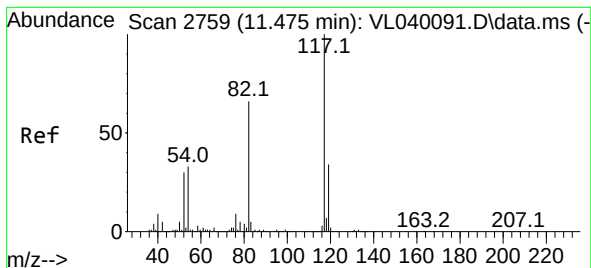
164 100

166 127.3 101.2 151.8

129 117.6 90.2 135.2

131 109.9 83.8 125.8

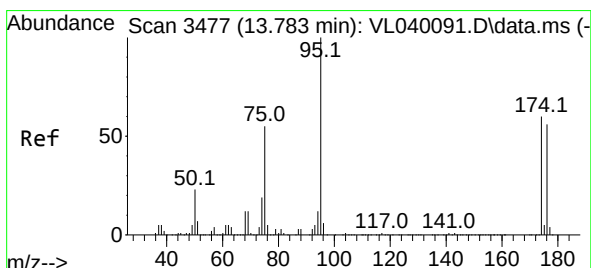
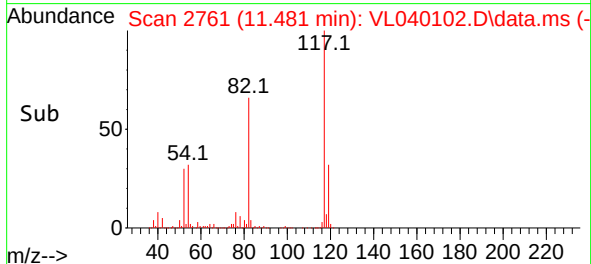
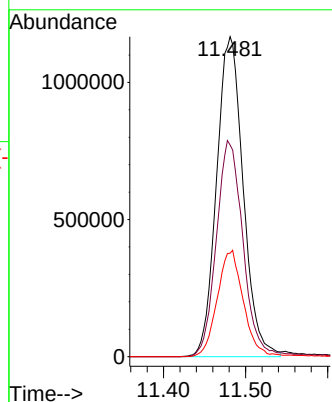
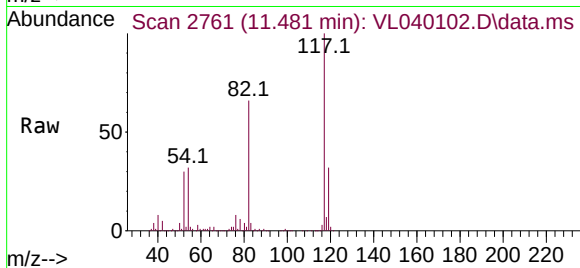




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Instrument :
MSVOA_1
ClientSampleId :
BH1N3DL

Tgt Ion:117 Resp: 2633199
Ion Ratio Lower Upper
117 100
82 68.9 54.4 81.6
119 33.0 26.8 40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.802 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.010 min
Lab File: VL040102.D
Acq: 16 Jan 2023 17:47

Tgt Ion: 95 Resp: 2145172
Ion Ratio Lower Upper
95 100
174 60.3 47.7 71.5
175 4.4 3.4 5.2

