

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040151.D
 Acq On : 6 Feb 2023 18:23
 Operator : SY/MD
 Sample : 01438-05DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 07 05:57:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

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

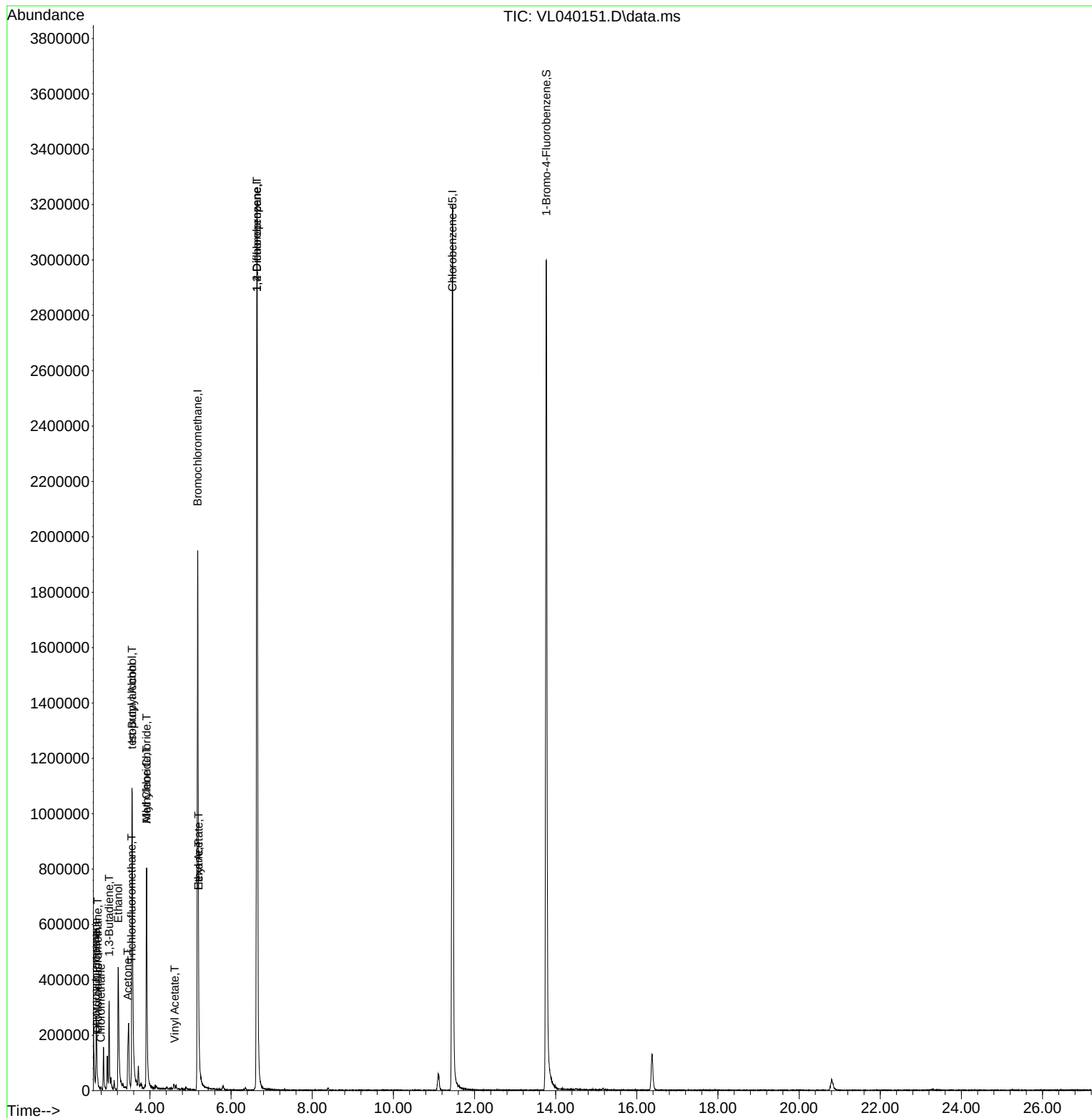
Internal Standards						
1) Bromochloromethane	5.176	49	943716	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2476275	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2133749	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1582639	8.924	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	16070	0.097	ppbv	90
3) Chlorodifluoromethane	2.658	51	11766	0.104	ppbv #	83
4) Chloromethane	2.793	50	3649	0.052	ppbv	99
9) Propene	2.678	41	99637	2.119	ppbv	98
11) Trichlorofluoromethane	3.546	101	16388	0.099	ppbv	95
13) Ethanol	3.218	45	469543	108.474	ppbv	99
15) Acetone	3.456	43	201384	1.779	ppbv #	87
16) 1,3-Butadiene	2.993	39	35492	0.673	ppbv #	25
17) tert-Butyl alcohol	3.562	59	41856	0.397	ppbv	100
19) Isopropyl Alcohol	3.559	45	1262804	22.804	ppbv #	95
20) Methylene Chloride	3.919	84	259693	5.201	ppbv	95
21) Allyl Chloride	3.919	41	8020	0.110	ppbv #	61
23) Vinyl Acetate	4.610	43	1118	0.030	ppbv #	16
25) Ethyl Acetate	5.198	43	12753	0.064	ppbv #	76
26) Hexane	5.198	57	22178	0.254	ppbv #	36
39) 1,2-Dichloropropane	6.639	63	600840	8.382	ppbv #	23

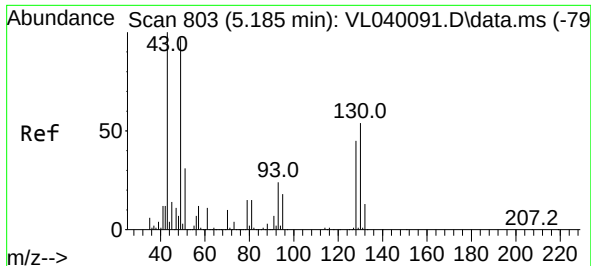
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 05:57:54 2023
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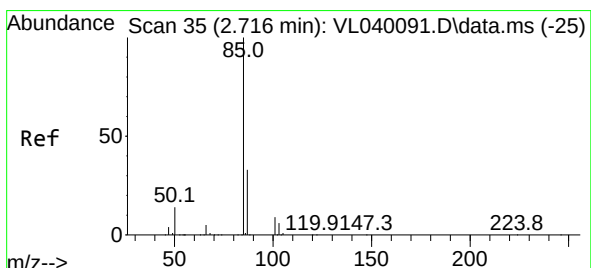
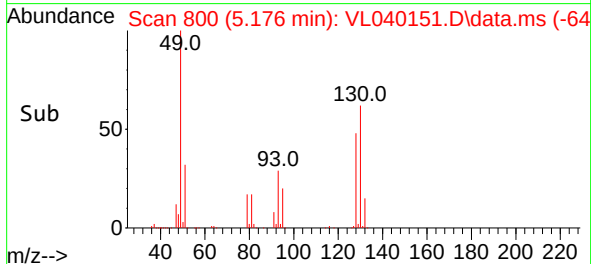
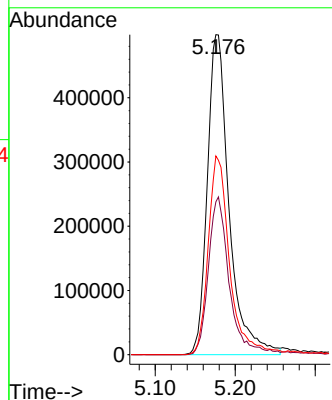
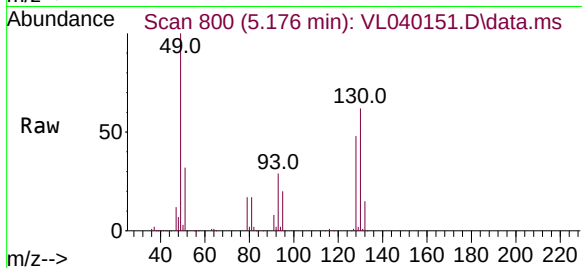




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

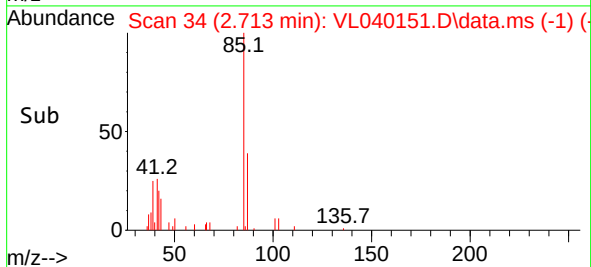
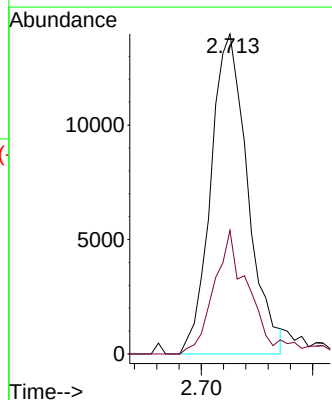
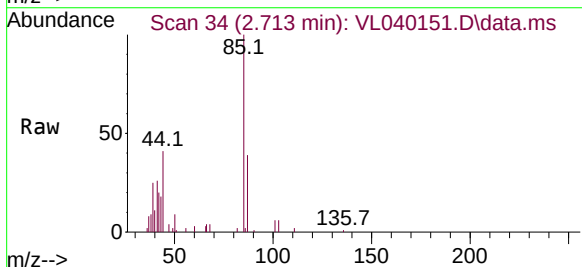
Instrument :
MSVOA_L
ClientSampleId :

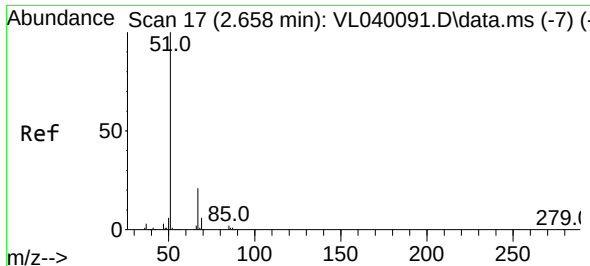
Tgt Ion: 49 Resp: 943716
Ion Ratio Lower Upper
49 100
128 48.3 23.6 71.0
130 62.0 29.8 89.3



#2
Dichlorodifluoromethane
Concen: 0.097 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

Tgt Ion: 85 Resp: 16070
Ion Ratio Lower Upper
85 100
87 38.6 26.5 39.7

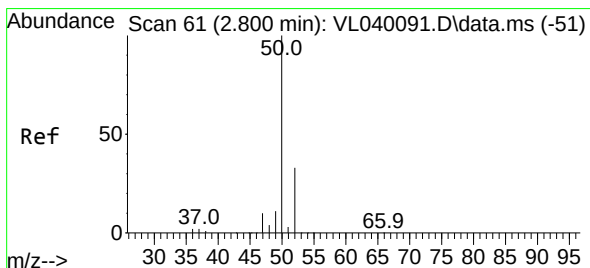
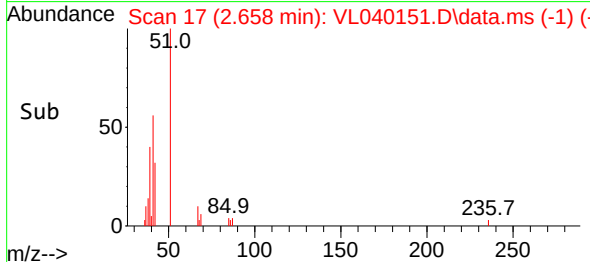
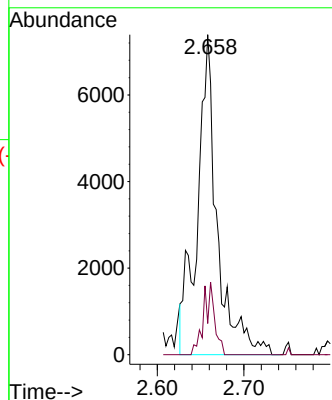
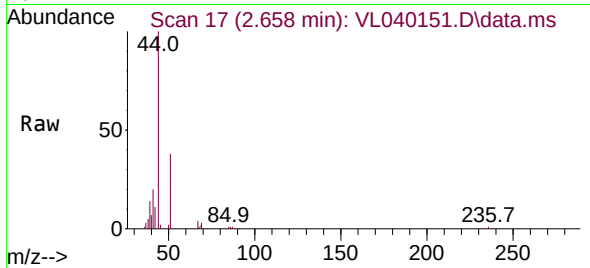




#3
Chlorodifluoromethane
Concen: 0.104 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

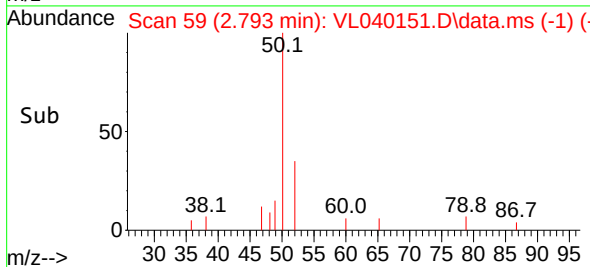
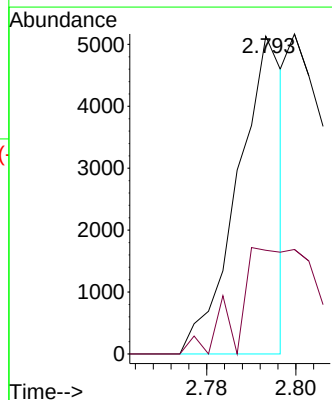
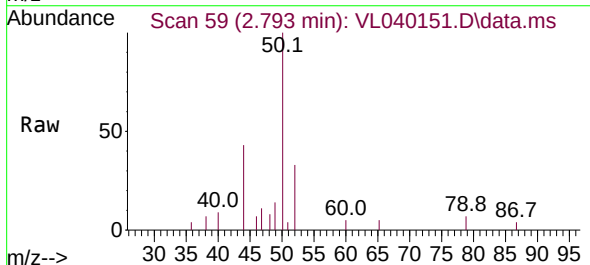
Instrument :
MSVOA_L
ClientSampleId :

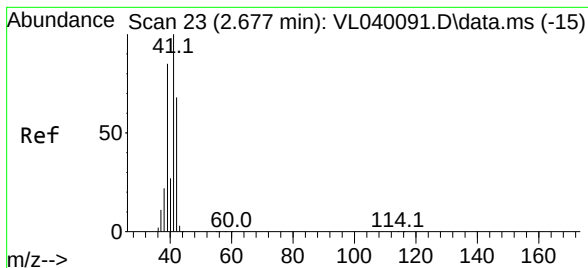
Tgt Ion: 51 Resp: 11766
Ion Ratio Lower Upper
51 100
67 12.5 16.4 24.6#



#4
Chloromethane
Concen: 0.052 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

Tgt Ion: 50 Resp: 3649
Ion Ratio Lower Upper
50 100
52 32.6 26.5 39.7





#9

Propene

Concen: 2.119 ppbv

RT: 2.678 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

Instrument :

MSVOA_L

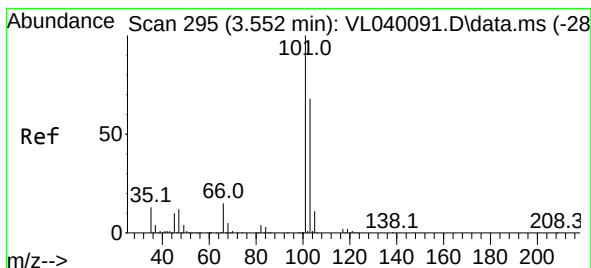
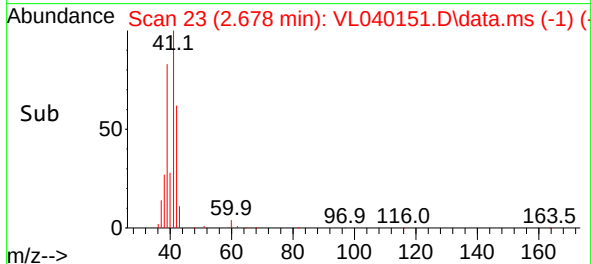
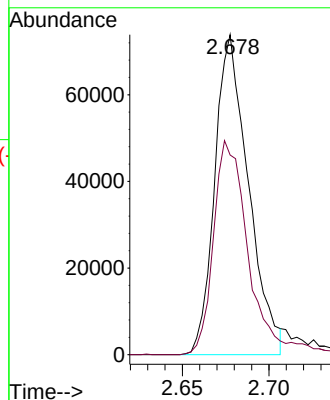
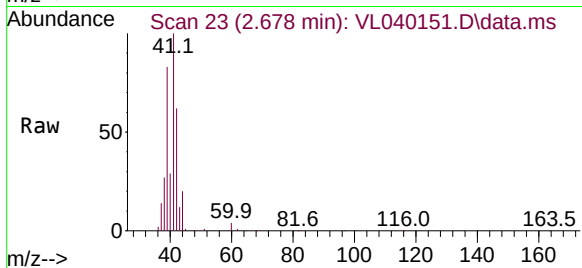
ClientSampleId :

Tgt Ion: 41 Resp: 99637

Ion Ratio Lower Upper

41 100

42 71.2 55.6 83.4



#11

Trichlorofluoromethane

Concen: 0.099 ppbv

RT: 3.546 min Scan# 293

Delta R.T. 0.000 min

Lab File: VL040151.D

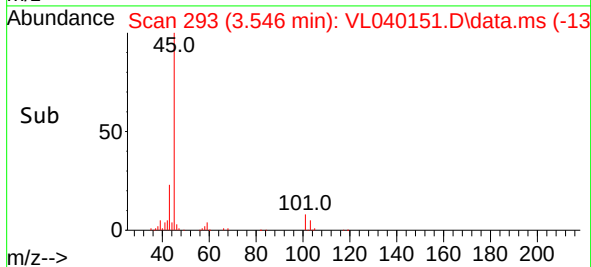
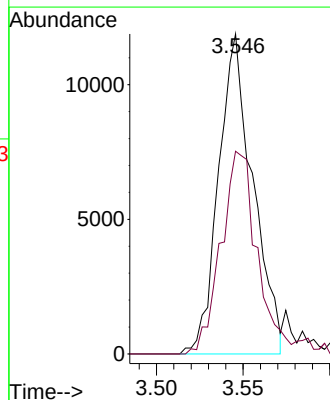
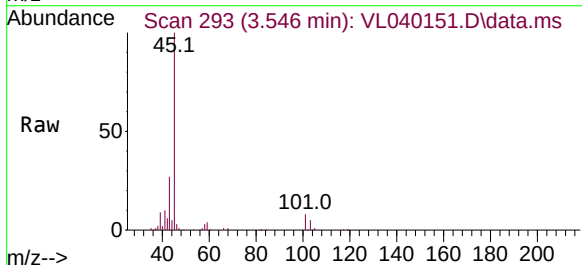
Acq: 6 Feb 2023 18:23

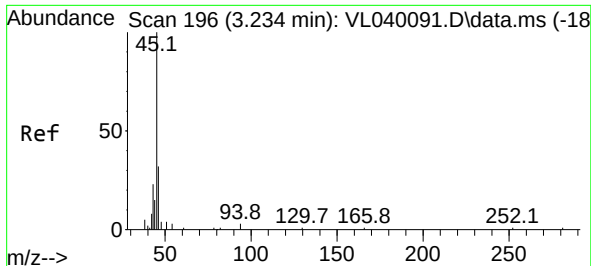
Tgt Ion: 101 Resp: 16388

Ion Ratio Lower Upper

101 100

103 63.4 54.0 81.0

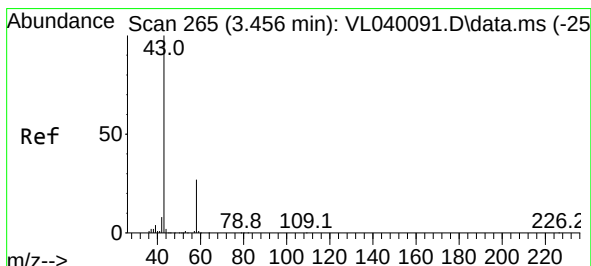
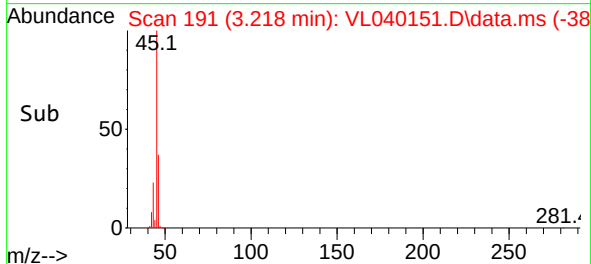
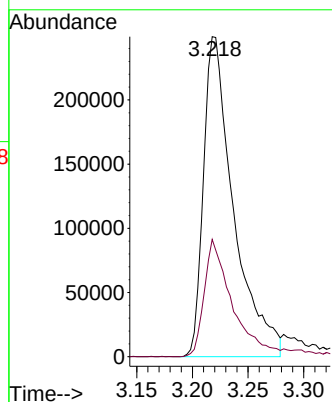
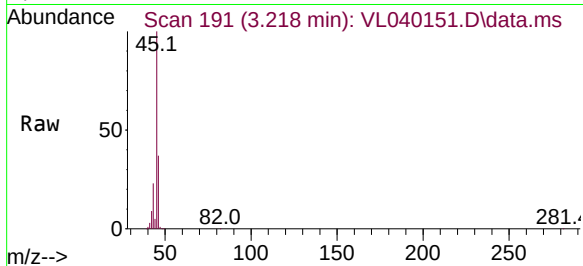




#13
Ethanol
Concen: 108.474 ppbv
RT: 3.218 min Scan# 196
Delta R.T. -0.009 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

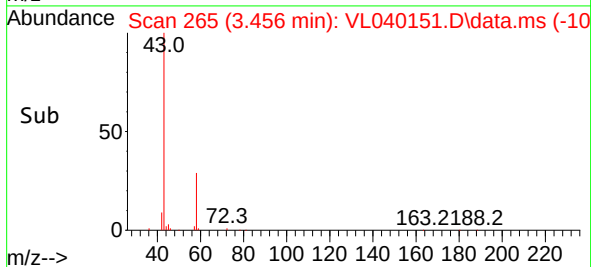
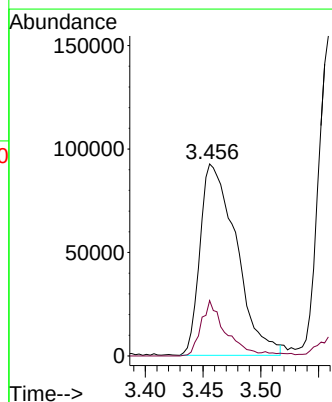
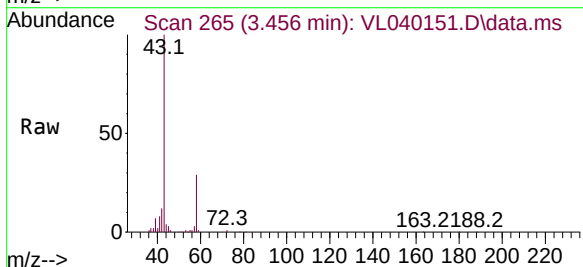
Instrument :
MSVOA_L
ClientSampleId :

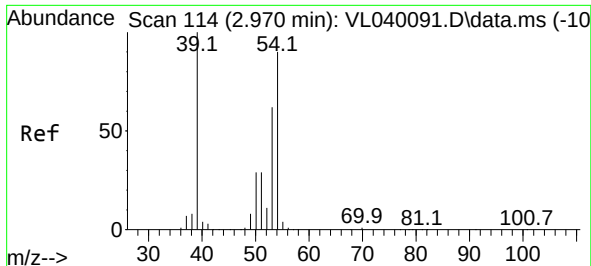
Tgt Ion: 45 Resp: 469543
Ion Ratio Lower Upper
45 100
46 37.7 14.8 59.2



#15
Acetone
Concen: 1.779 ppbv
RT: 3.456 min Scan# 265
Delta R.T. 0.007 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

Tgt Ion: 43 Resp: 201384
Ion Ratio Lower Upper
43 100
58 20.4 21.8 32.8#





#16

1,3-Butadiene

Concen: 0.673 ppbv

RT: 2.993 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

Instrument :

MSVOA_L

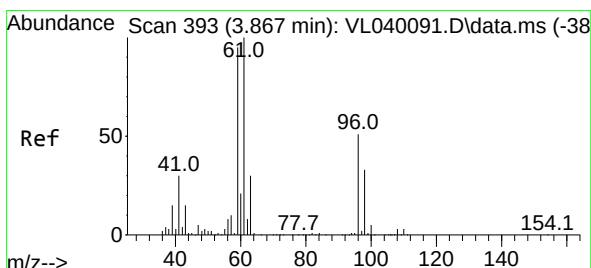
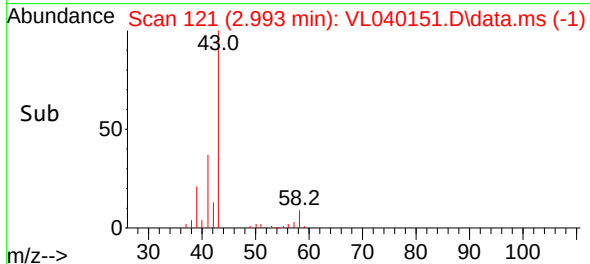
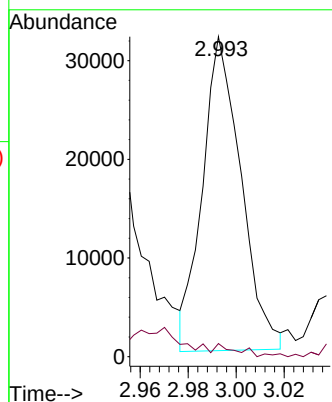
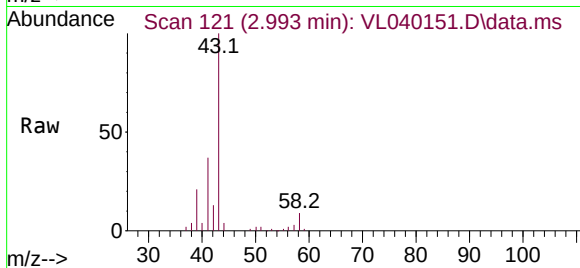
ClientSampleId :

Tgt Ion: 39 Resp: 35492

Ion Ratio Lower Upper

39 100

54 16.6 67.9 101.9#



#17

tert-Butyl alcohol

Concen: 0.397 ppbv

RT: 3.562 min Scan# 298

Delta R.T. -0.299 min

Lab File: VL040151.D

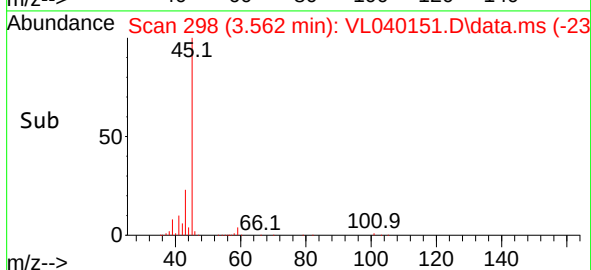
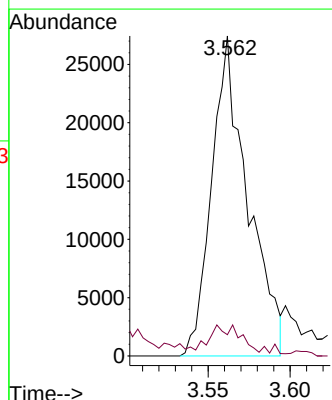
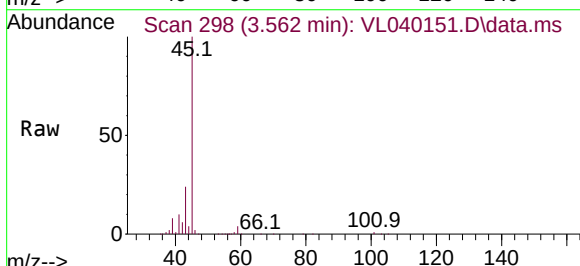
Acq: 6 Feb 2023 18:23

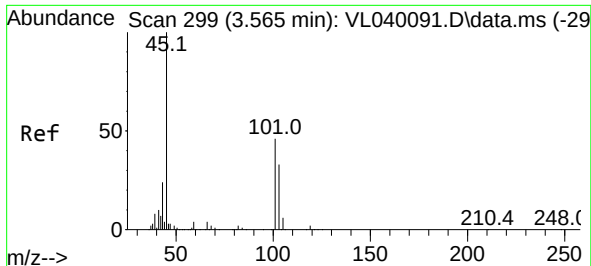
Tgt Ion: 59 Resp: 41856

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7

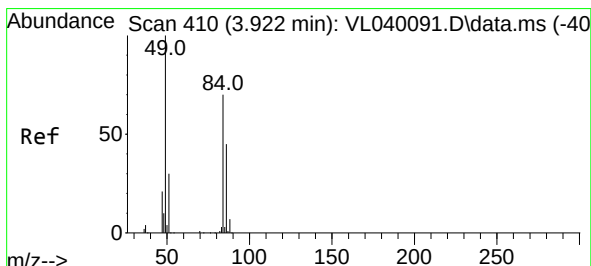
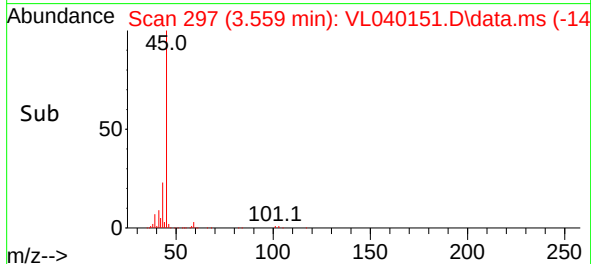
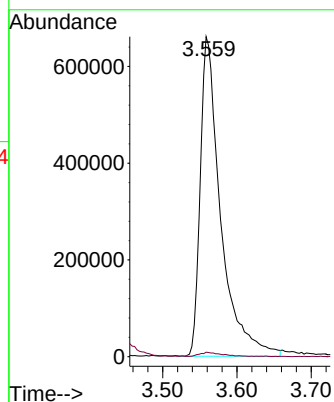
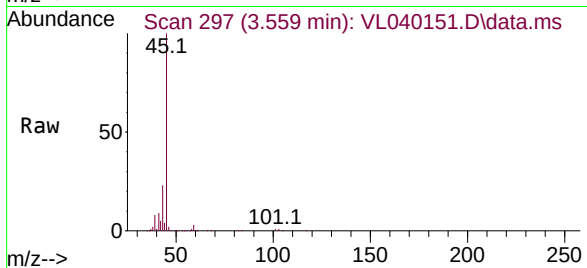




#19
Isopropyl Alcohol
Concen: 22.804 ppbv
RT: 3.559 min Scan# 299
Delta R.T. 0.000 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

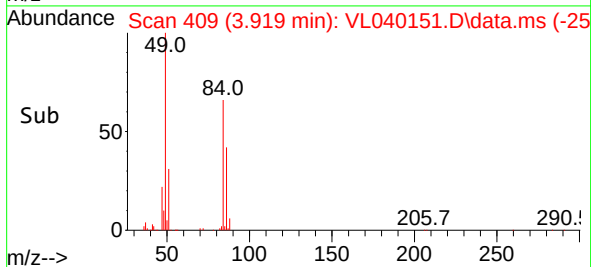
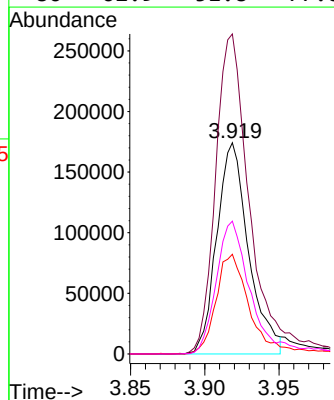
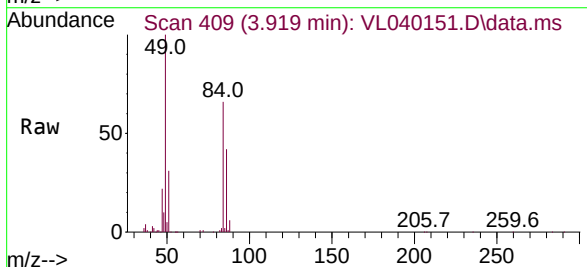
Instrument :
MSVOA_L
ClientSampleId :

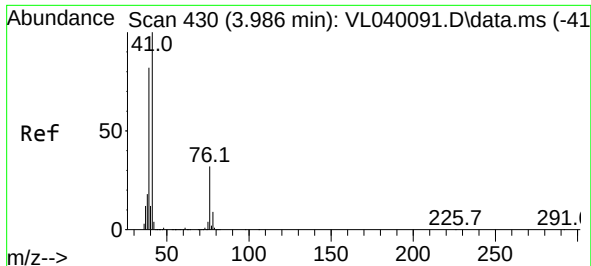
Tgt Ion: 45 Resp: 1262804
Ion Ratio Lower Upper
45 100
58 1.8 2.6 4.0#



#20
Methylene Chloride
Concen: 5.201 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.003 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

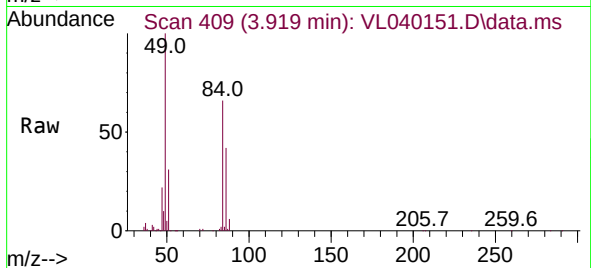
Tgt Ion: 84 Resp: 259693
Ion Ratio Lower Upper
84 100
49 151.2 114.6 171.8
51 47.2 34.3 51.5
86 62.9 51.8 77.8



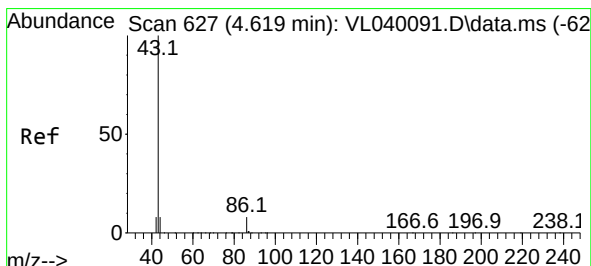
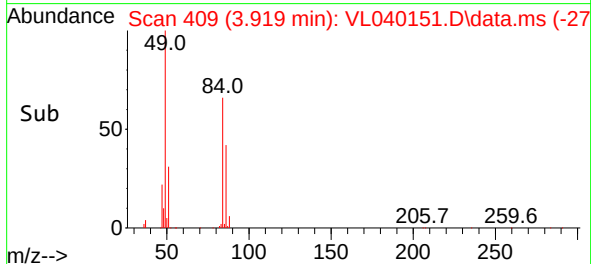
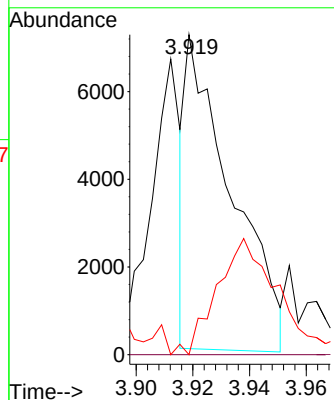


#21
 Allyl Chloride
 Concen: 0.110 ppbv
 RT: 3.919 min Scan# 409
 Delta R.T. -0.061 min
 Lab File: VL040151.D
 Acq: 6 Feb 2023 18:23

Instrument :
 MSVOA_L
 ClientSampleId :

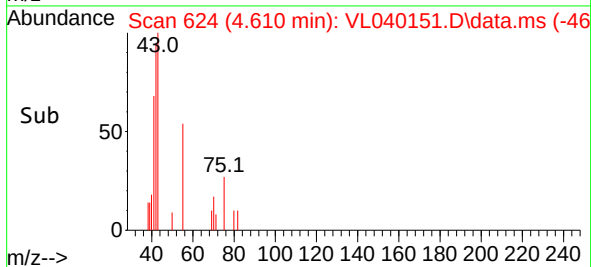
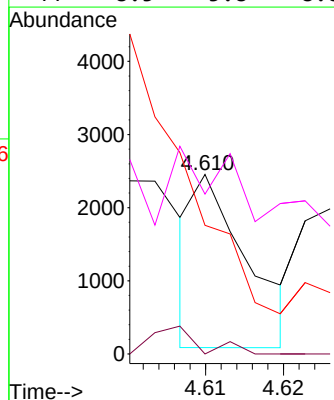
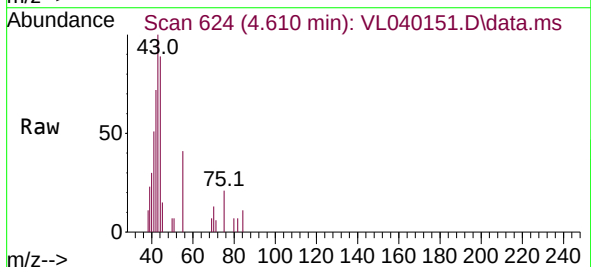


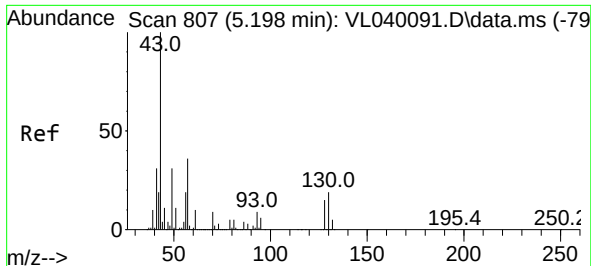
Tgt Ion: 41 Resp: 8020
 Ion Ratio Lower Upper
 41 100
 76 5.5 25.9 38.9#
 39 51.8 66.8 100.2#



#23
 Vinyl Acetate
 Concen: 0.030 ppbv
 RT: 4.610 min Scan# 624
 Delta R.T. -0.003 min
 Lab File: VL040151.D
 Acq: 6 Feb 2023 18:23

Tgt Ion: 43 Resp: 1118
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.6 8.4#
 42 80.1 7.7 11.5#
 44 8.5 5.8 8.8





#25

Ethyl Acetate

Concen: 0.064 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.010 min

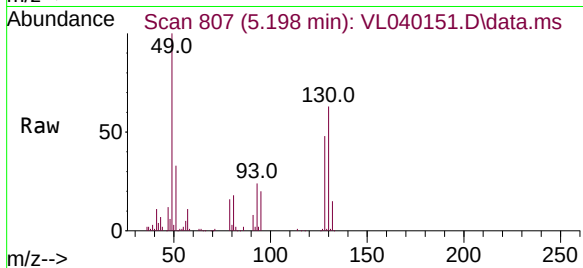
Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 12753

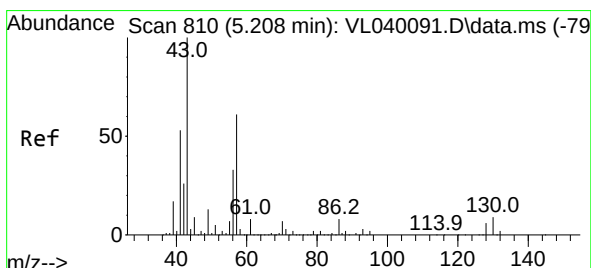
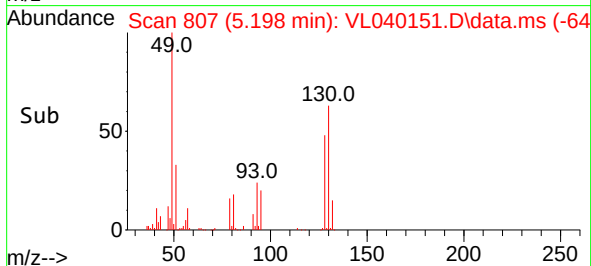
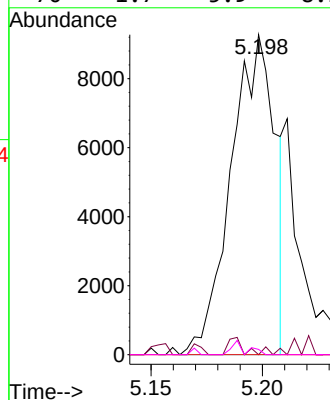
Ion Ratio Lower Upper

43 100

45 1.3 8.5 12.7#

61 0.0 8.4 12.6#

70 1.7 5.9 8.9#



#26

Hexane

Concen: 0.254 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

Tgt Ion: 57 Resp: 22178

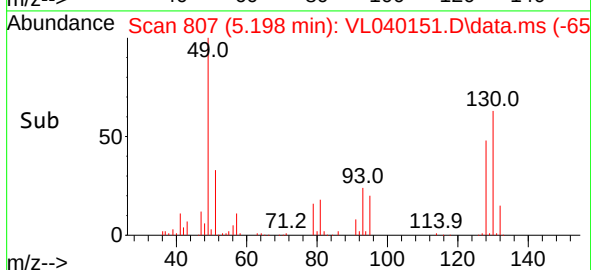
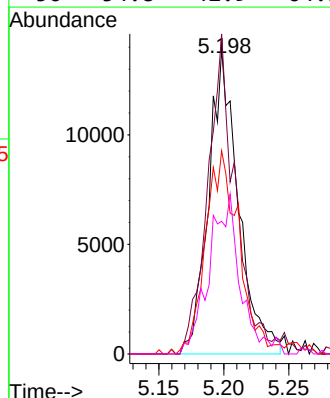
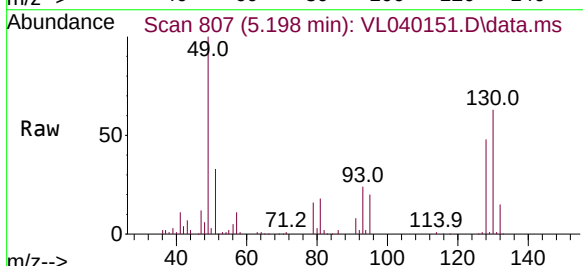
Ion Ratio Lower Upper

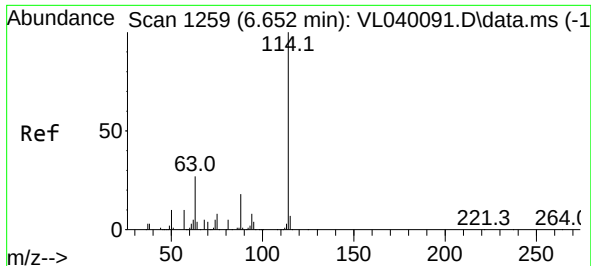
57 100

41 101.1 72.2 108.4

43 75.3 192.1 288.1#

56 54.8 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.003 min

Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

Instrument :

MSVOA_L

ClientSampleId :

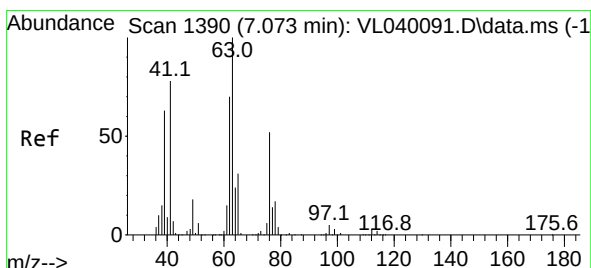
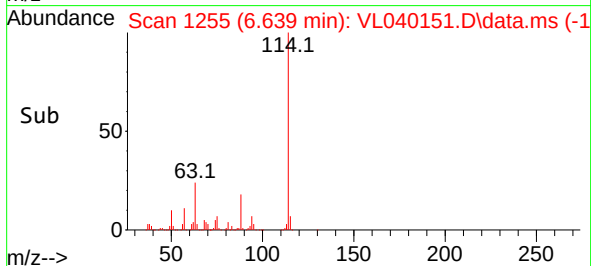
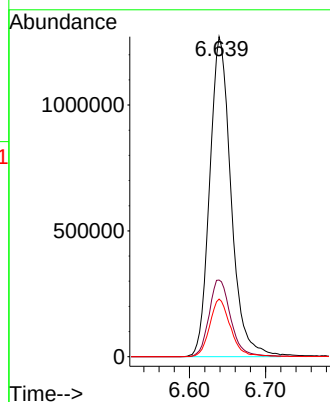
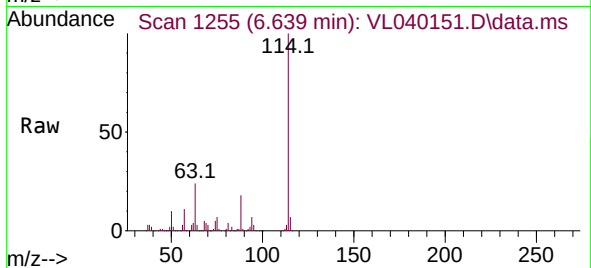
Tgt Ion:114 Resp: 2476275

Ion Ratio Lower Upper

114 100

63 24.6 21.8 32.8

88 17.8 14.8 22.2



#39

1,2-Dichloropropane

Concen: 8.382 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.424 min

Lab File: VL040151.D

Acq: 6 Feb 2023 18:23

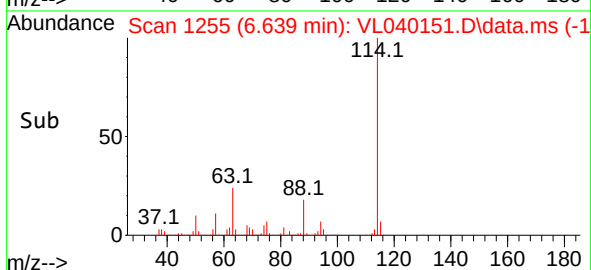
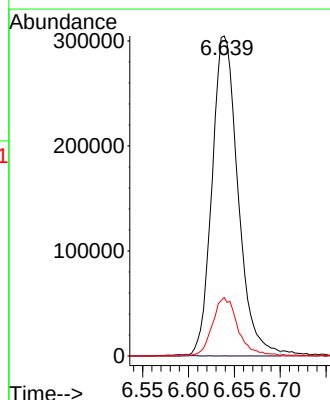
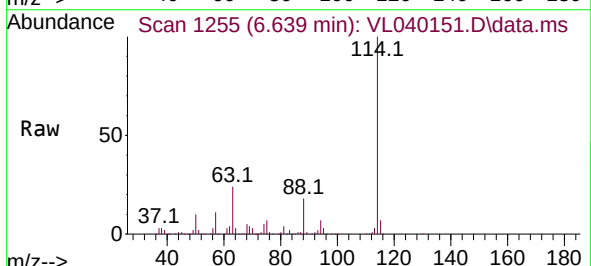
Tgt Ion: 63 Resp: 600840

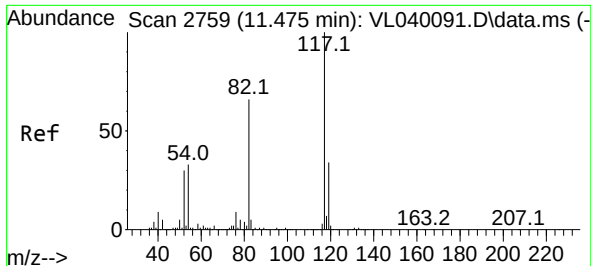
Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.4#

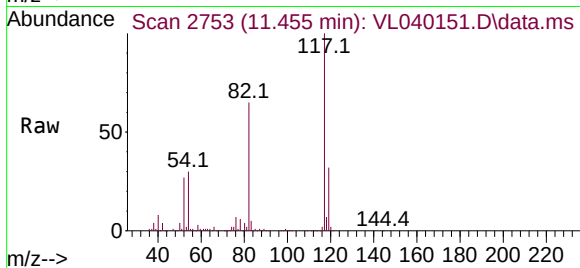
62 18.3 55.8 83.8#



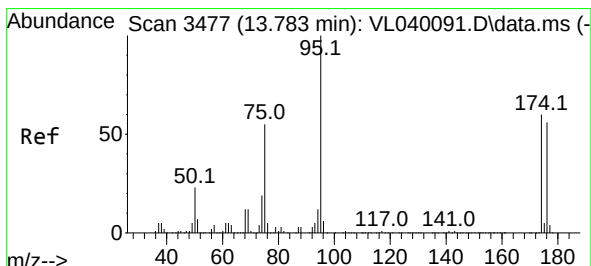
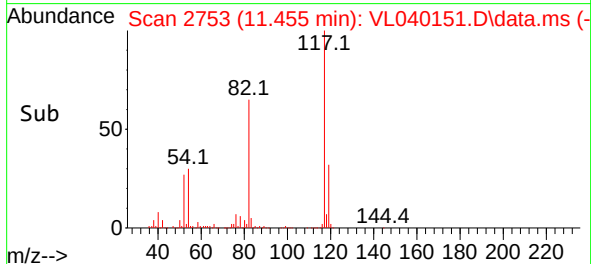
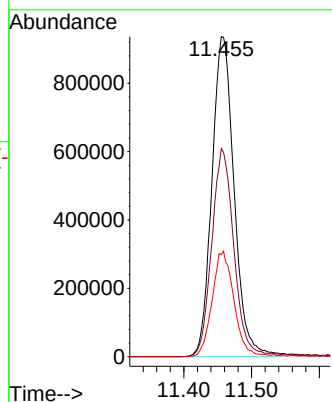


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2133749
Ion Ratio Lower Upper
117 100
82 65.5 54.4 81.6
119 32.8 26.8 40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 8.924 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL040151.D
Acq: 6 Feb 2023 18:23

Tgt Ion: 95 Resp: 1582639
Ion Ratio Lower Upper
95 100
174 62.7 47.7 71.5
175 4.4 3.4 5.2

