

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040223.D
 Acq On : 23 Feb 2023 15:04
 Operator : SY/MD
 Sample : 01627-15 0.03 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Quant Time: Feb 24 01:04:23 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 : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	771140	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1944704	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1705338	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.780	95	1433890	10.225	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.716	85	5614	0.039	ppbv	99
3) Chlorodifluoromethane	2.661	51	3536	0.038	ppbv #	91
4) Chloromethane	2.796	50	1078	0.019	ppbv	96
5) Vinyl Chloride	2.912	62	1279	0.028	ppbv #	71
6) Bromomethane	3.108	94	626	0.037	ppbv	94
7) Chloroethane	3.185	64	706	0.038	ppbv	97
8) Dichlorotetrafluoroethane	2.841	85	4153	0.034	ppbv	98
9) Propene	2.687	41	1698	0.045	ppbv #	2
10) Heptane	7.577	43	468	0.005	ppbv #	26
11) Trichlorofluoromethane	3.552	101	4506	0.035	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.060	101	1527	0.016	ppbv #	16
13) Ethanol	3.230	45	35	0.010	ppbv #	41
14) Bromoethene	3.359	108	681	0.019	ppbv #	1
15) Acetone	3.484	43	5144	0.055	ppbv #	47
16) 1,3-Butadiene	2.970	39	1048	0.025	ppbv #	61
17) tert-Butyl alcohol	3.912	59	836	0.010	ppbv #	28
18) 1,1-Dichloroethene	3.873	96	1574	0.038	ppbv #	73
19) Isopropyl Alcohol	3.568	45	38	0.001	ppbv #	90
20) Methylene Chloride	3.922	84	2202	0.046	ppbv #	55
21) Allyl Chloride	3.983	41	1932	0.034	ppbv #	69
22) trans-1,2-Dichloroethene	4.433	96	482	0.011	ppbv #	43
23) Vinyl Acetate	4.619	43	669	0.024	ppbv #	54
24) 1,1-Dichloroethane	4.555	63	1304	0.015	ppbv #	88
25) Ethyl Acetate	5.185	43	149	0.001	ppbv #	1
26) Hexane	5.205	57	1199	0.016	ppbv #	1
27) Carbon Disulfide	4.121	76	590	0.006	ppbv #	63
28) Methyl tert-Butyl Ether	4.594	73	977	0.012	ppbv #	52
29) Chloroform	5.266	83	2935	0.023	ppbv	85
30) Cyclohexane	6.597	84	443	0.008	ppbv #	1
31) cis-1,2-Dichloroethene	5.070	61	1256	0.018	ppbv #	35
32) 1,1,1-Trichloroethane	5.996	97	1854	0.016	ppbv #	1
34) 2-Butanone	4.742	43	290	0.003	ppbv #	53
35) Carbon Tetrachloride	6.491	117	2633	0.023	ppbv #	72
36) Benzene	6.362	78	734	0.005	ppbv #	1
37) 1,2-Dichloroethane	5.803	62	1685	0.018	ppbv #	82
38) Trichloroethene	7.282	130	419	0.005	ppbv #	30
39) 1,2-Dichloropropane	6.648	63	493324	8.379	ppbv #	26
40) 1,4-Dioxane	7.266	88	69	0.003	ppbv #	1
41) Tetrahydrofuran	5.587	42	425	0.008	ppbv #	48
42) Bromodichloromethane	7.243	83	2684	0.021	ppbv #	77
43) Methyl Methacrylate	7.468	69	261	0.005	ppbv #	1
44) 2,2,4-Trimethylpentane	7.323	57	1845	0.007	ppbv #	1
45) t-1,3-Dichloropropene	8.712	75	213	0.004	ppbv	89

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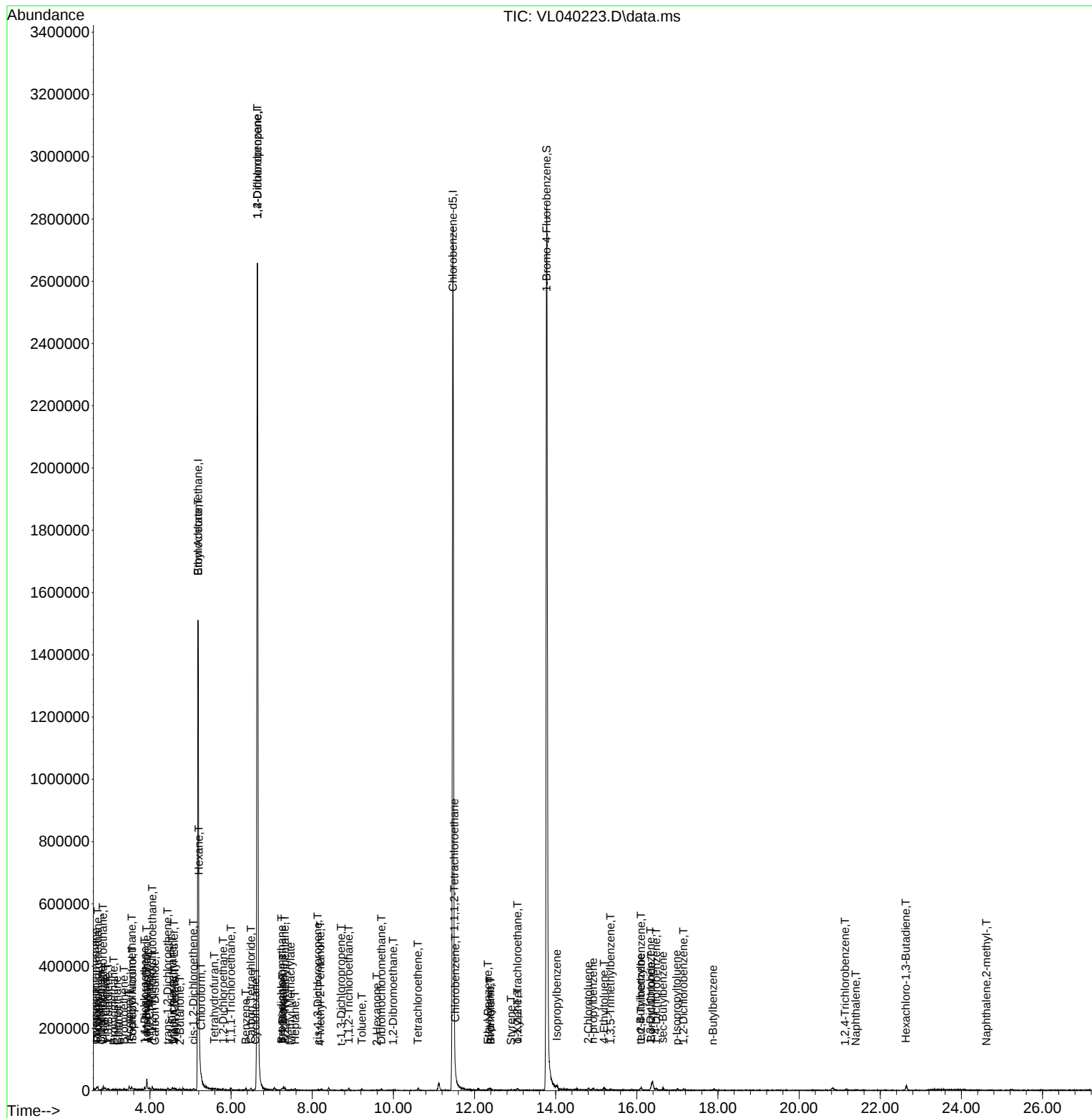
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	349	0.005	ppbv #	61
47) 1,1,2-Trichloroethane	8.896	97	627	0.010	ppbv #	23
48) Dibromochloromethane	9.706	129	650	0.006	ppbv #	1
49) Bromoform	12.397	173	419	0.005	ppbv #	1
50) 4-Methyl-2-Pentanone	8.198	43	174	0.001	ppbv #	38
51) 2-Hexanone	9.593	43	930	0.008	ppbv #	78
52) Tetrachloroethene	10.603	164	790	0.017	ppbv #	23
53) Toluene	9.221	91	1006	0.006	ppbv #	1
54) 1,2-Dibromoethane	9.992	107	232	0.004	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.500	131	1119	0.016	ppbv #	8
57) Chlorobenzene	11.526	112	571	0.005	ppbv #	24
58) Ethyl Benzene	12.330	91	684	0.003	ppbv	93
59) m/p-Xylene	12.381	91	1110	0.006	ppbv #	1
60) o-Xylene	13.060	91	770	0.004	ppbv #	33
61) Styrene	12.899	104	391	0.004	ppbv #	27
62) Isopropylbenzene	14.027	105	2509	0.010	ppbv #	35
63) 1,1,2,2-Tetrachloroethane	13.056	83	957	0.015	ppbv #	37
64) n-propylbenzene	14.921	120	115	0.002	ppbv #	1
65) tert-Butylbenzene	16.092	119	1007	0.005	ppbv #	1
66) Benzyl Chloride	16.352	91	104	0.007	ppbv #	67
67) sec-Butylbenzene	16.641	105	1710	0.005	ppbv #	60
69) p-Isopropyltoluene	16.985	119	457	0.002	ppbv #	47
70) n-Butylbenzene	17.876	91	362	0.001	ppbv #	33
71) 2-Chlorotoluene	14.806	91	2042	0.011	ppbv #	45
72) 4-Ethyltoluene	15.195	105	1122	0.006	ppbv #	43
73) 1,3,5-Trimethylbenzene	15.349	105	1233	0.007	ppbv #	74
74) 1,2,4-Trimethylbenzene	16.104	105	1203	0.006	ppbv #	64
75) 1,3-Dichlorobenzene	16.336	146	997	0.009	ppbv #	7
76) 1,4-Dichlorobenzene	16.477	146	1484	0.014	ppbv #	34
77) 1,2-Dichlorobenzene	17.146	146	348	0.003	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.632	225	705	0.009	ppbv #	18
79) Naphthalene	21.394	128	108	0.001	ppbv #	69
80) Naphthalene,2-methyl-	24.612	142	35	0.001	ppbv #	7
81) 1,2,4-Trichlorobenzene	21.130	180	83	0.001	ppbv #	11

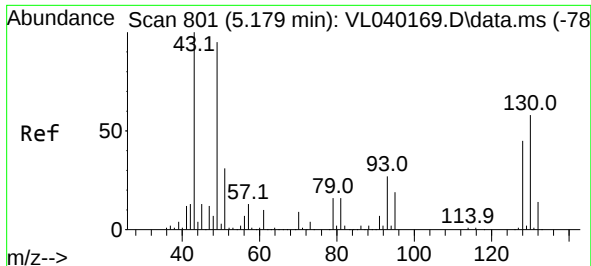
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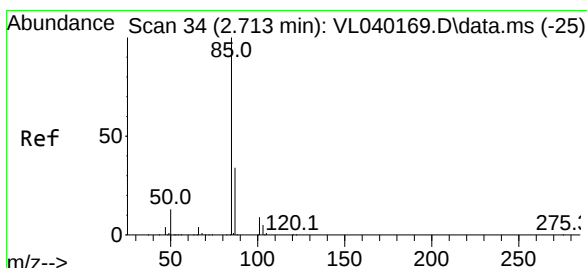
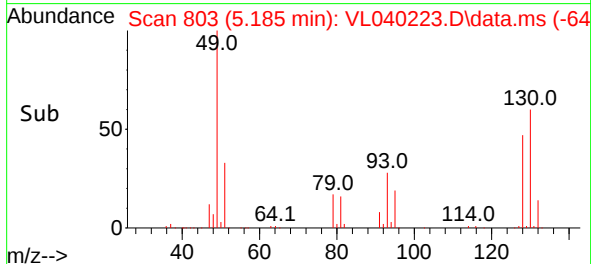
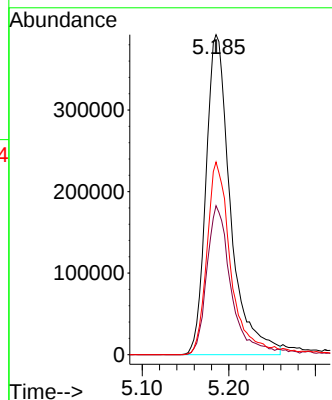
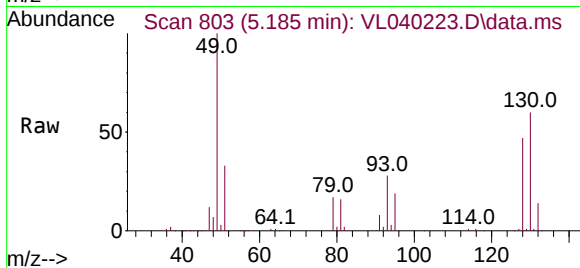




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

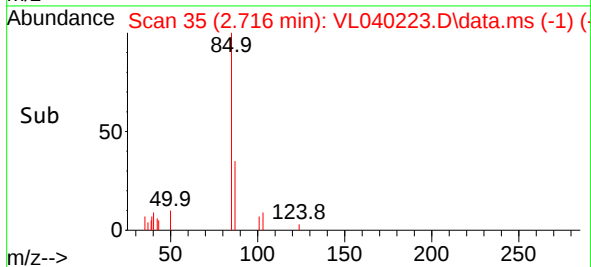
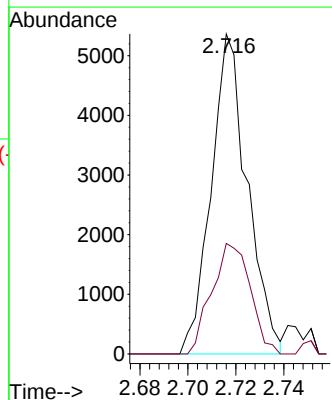
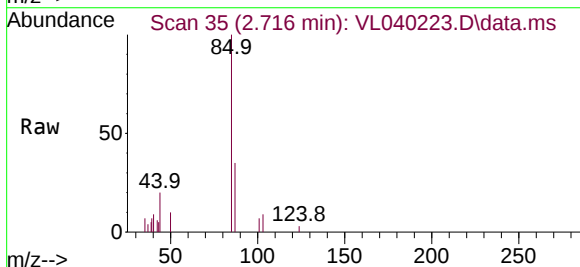
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

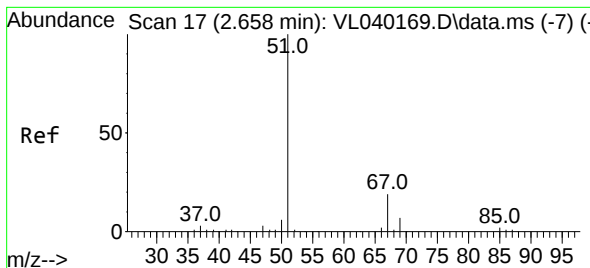
Tgt Ion: 49 Resp: 771140
Ion Ratio Lower Upper
49 100
128 47.8 24.1 72.3
130 60.6 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 85 Resp: 5614
Ion Ratio Lower Upper
85 100
87 34.6 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.038 ppbv

RT: 2.661 min Scan# 17

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

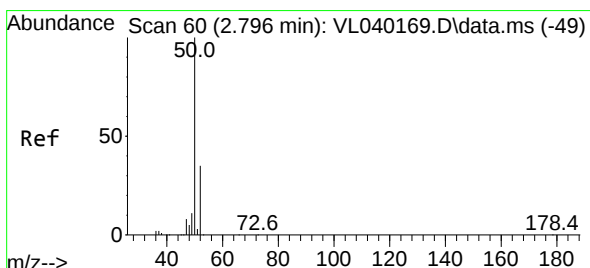
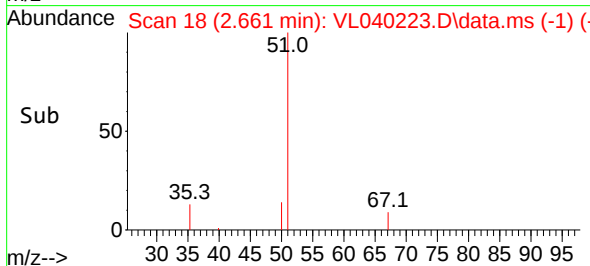
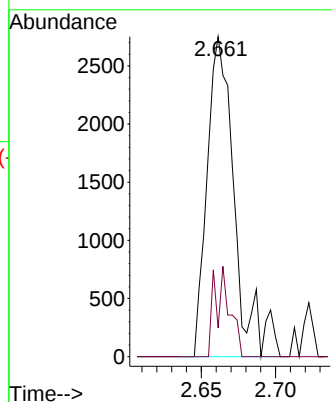
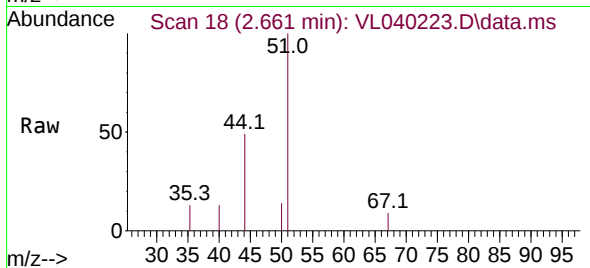
MDL-AIR-03-QT1-2023

Tgt Ion: 51 Resp: 3536

Ion Ratio Lower Upper

51 100

67 15.3 15.4 23.2#



#4

Chloromethane

Concen: 0.019 ppbv

RT: 2.796 min Scan# 60

Delta R.T. -0.006 min

Lab File: VL040223.D

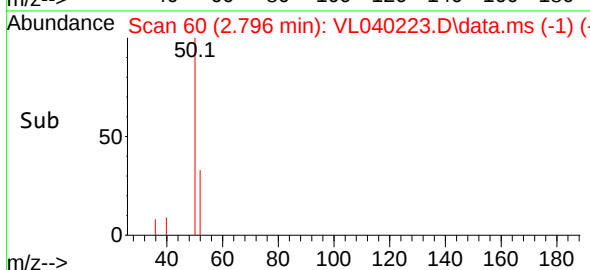
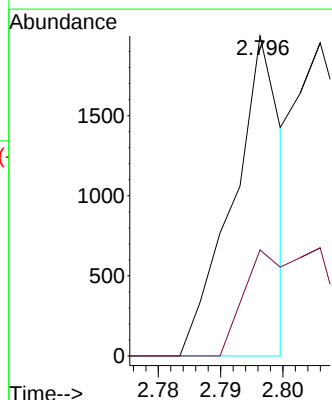
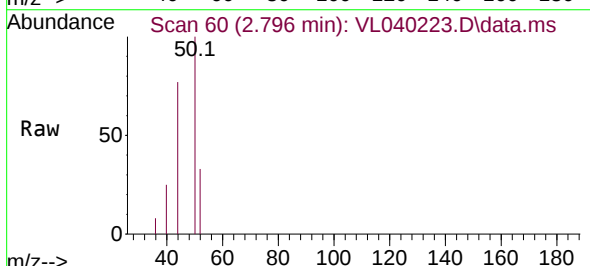
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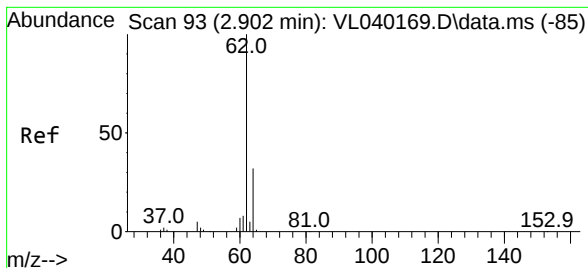
Tgt Ion: 50 Resp: 1078

Ion Ratio Lower Upper

50 100

52 33.1 28.3 42.5

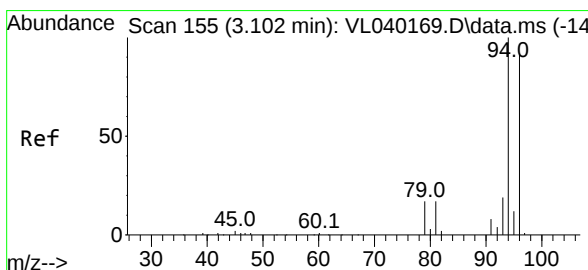
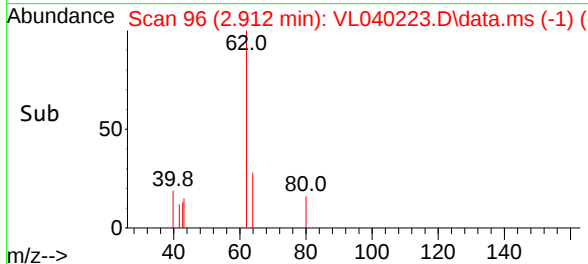
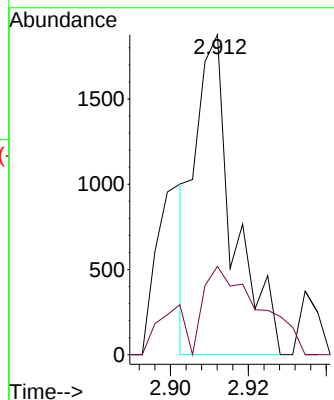
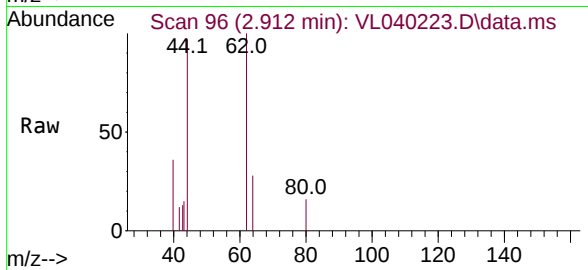




#5
 Vinyl Chloride
 Concen: 0.028 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

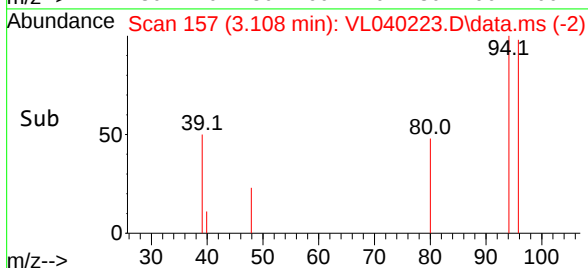
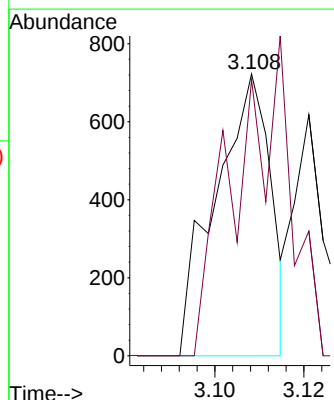
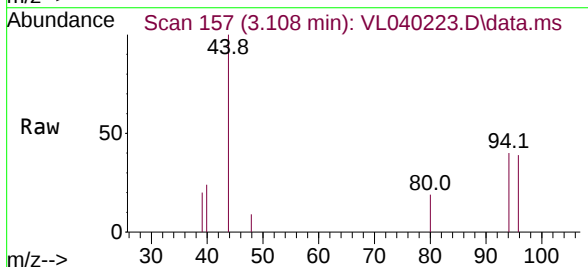
Instrument :
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Tgt Ion: 62 Resp: 1279
 Ion Ratio Lower Upper
 62 100
 64 15.6 25.6 38.4#



#6
 Bromomethane
 Concen: 0.037 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

Tgt Ion: 94 Resp: 626
 Ion Ratio Lower Upper
 94 100
 96 97.9 73.4 110.2

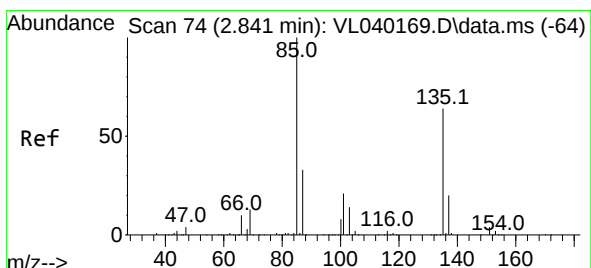
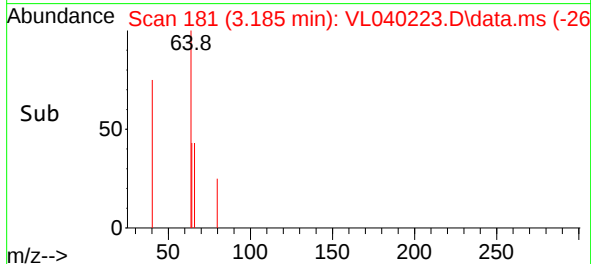
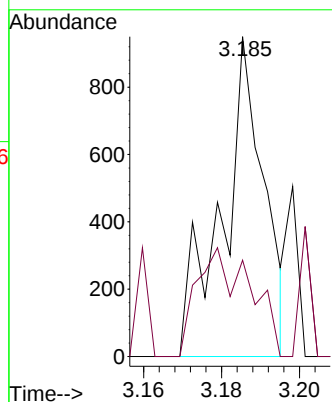
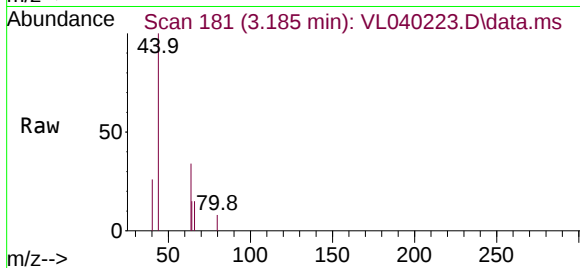




#7
Chloroethane
Concen: 0.038 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

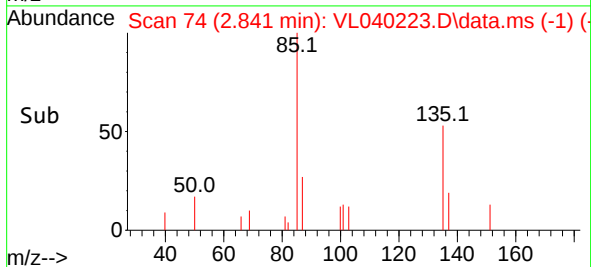
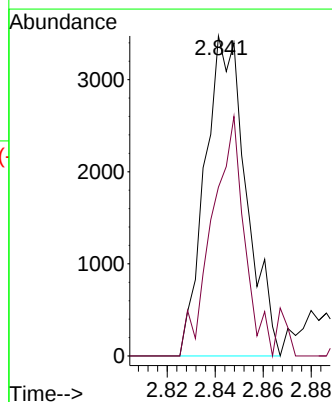
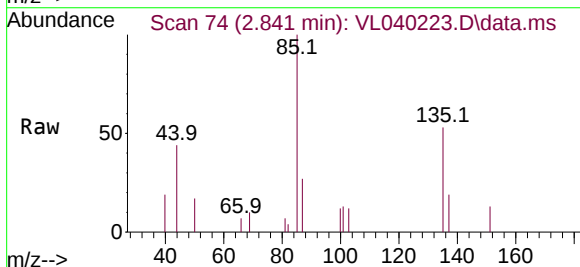
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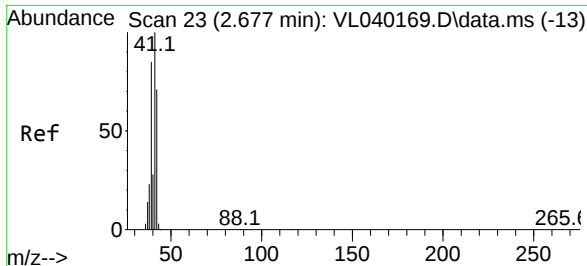
Tgt Ion: 64 Resp: 706
Ion Ratio Lower Upper
64 100
66 30.1 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.034 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 85 Resp: 4153
Ion Ratio Lower Upper
85 100
135 62.7 51.5 77.3

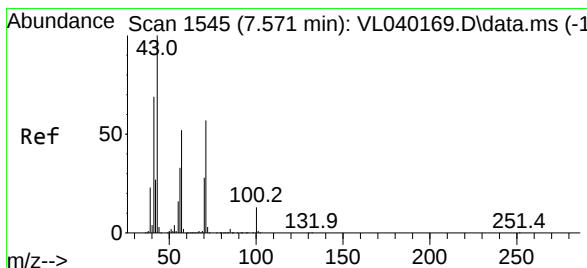
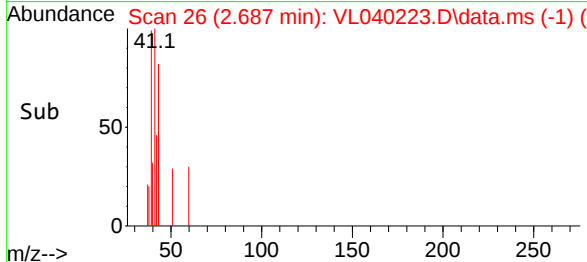
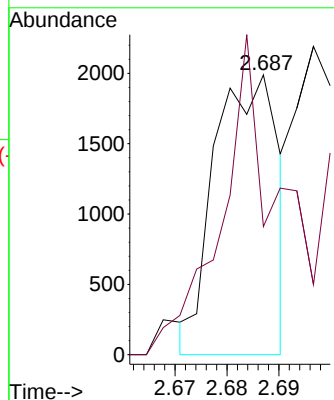
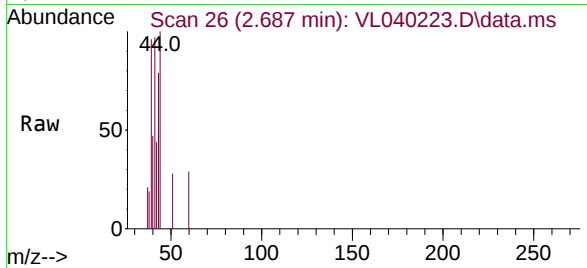




#9
Propene
Concen: 0.045 ppbv
RT: 2.687 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

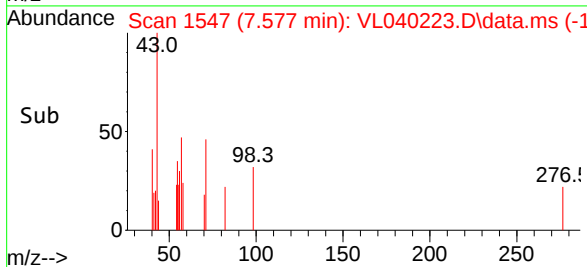
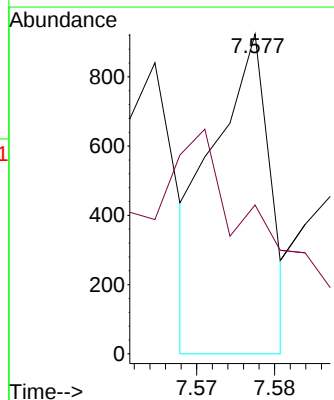
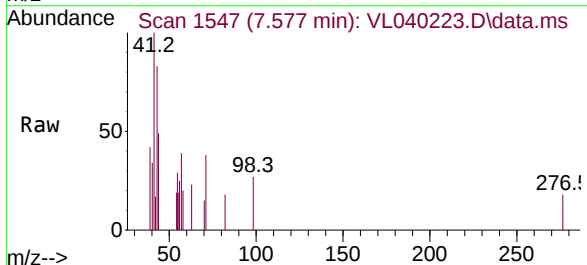
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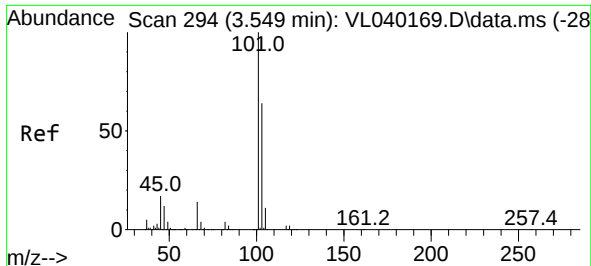
Tgt Ion: 41 Resp: 1698
Ion Ratio Lower Upper
41 100
42 151.9 56.9 85.3#



#10
Heptane
Concen: 0.005 ppbv
RT: 7.577 min Scan# 1547
Delta R.T. -0.003 min
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Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#

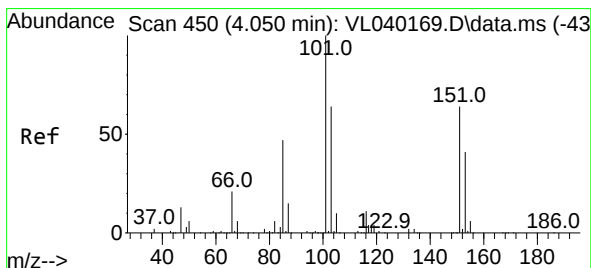
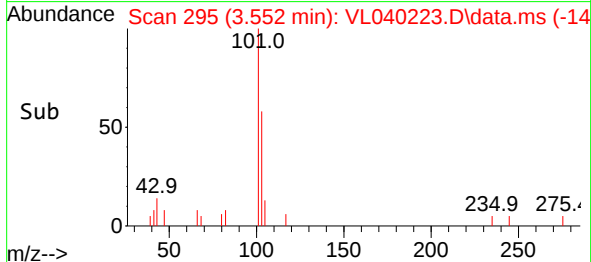
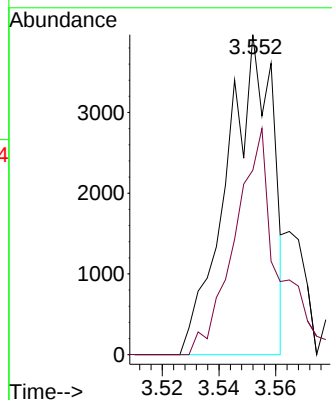
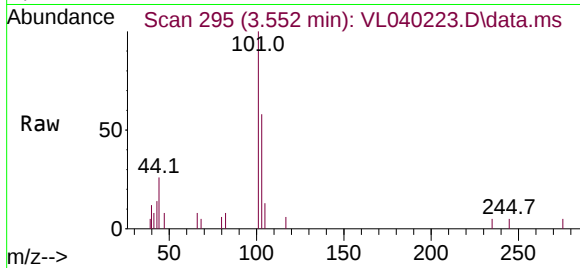




#11
Trichlorofluoromethane
Concen: 0.035 ppbv
RT: 3.552 min Scan# 294
Delta R.T. -0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

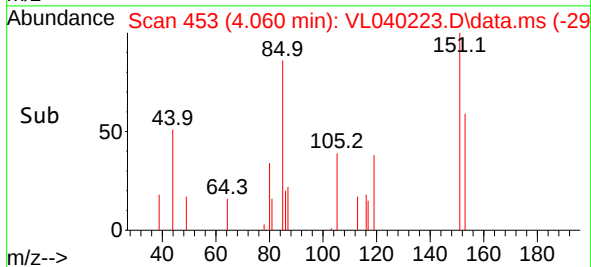
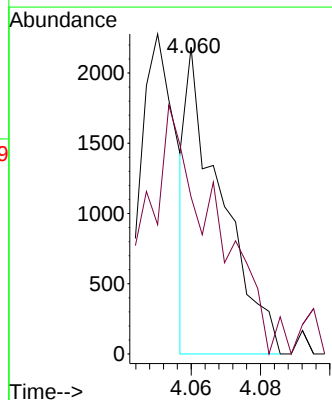
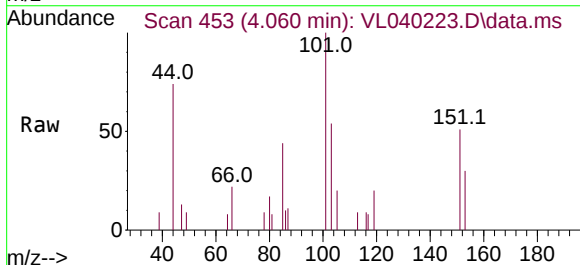
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

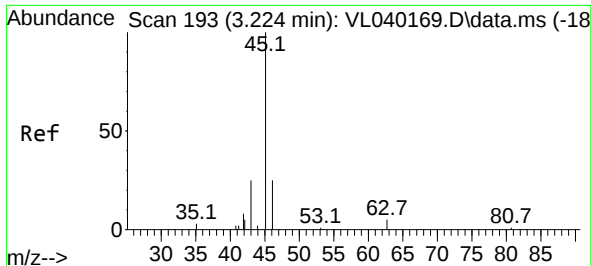
Tgt Ion:101 Resp: 4506
Ion Ratio Lower Upper
101 100
103 57.6 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.016 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion:101 Resp: 1527
Ion Ratio Lower Upper
101 100
151 0.0 54.7 82.1#

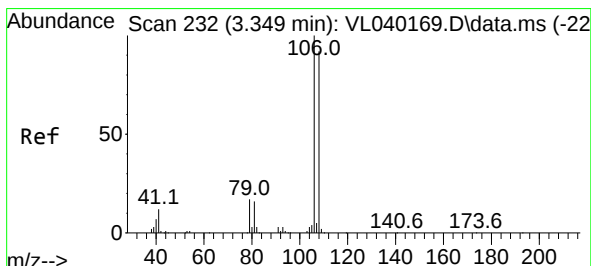
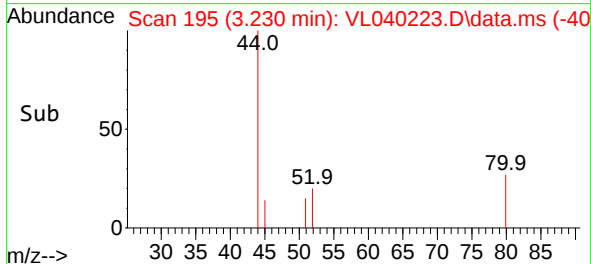
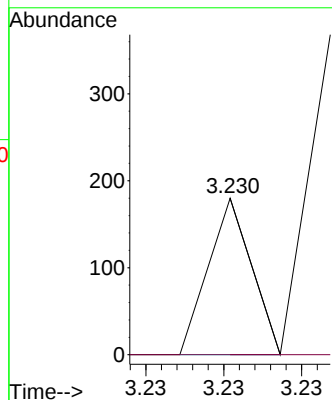
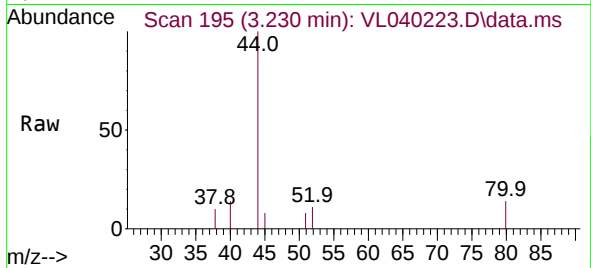




#13
 Ethanol
 Concen: 0.010 ppbv
 RT: 3.230 min Scan# 193
 Delta R.T. -0.003 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

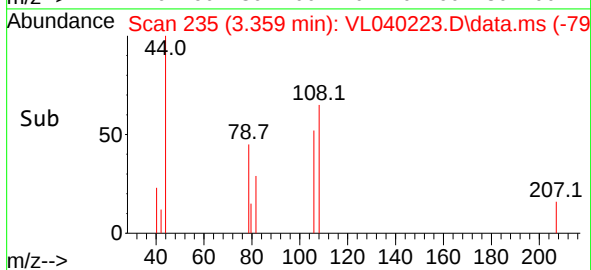
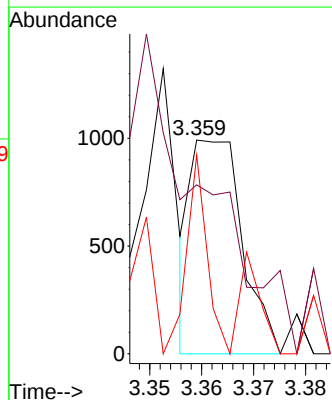
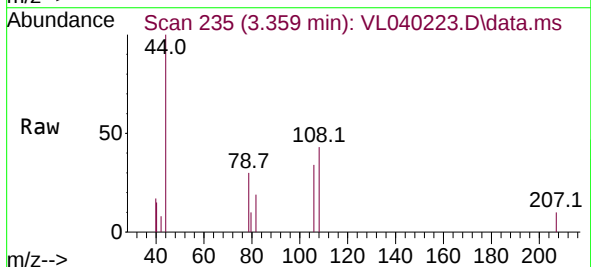
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 35
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.3 53.1#



#14
 Bromoethene
 Concen: 0.019 ppbv
 RT: 3.359 min Scan# 235
 Delta R.T. 0.000 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

Tgt Ion: 108 Resp: 681
 Ion Ratio Lower Upper
 108 100
 106 0.0 87.1 130.7#
 79 118.8 15.4 23.2#





#15

Acetone

Concen: 0.055 ppbv

RT: 3.484 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

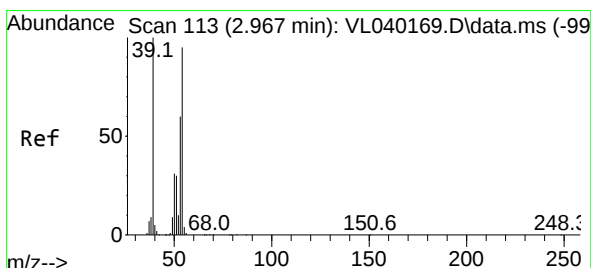
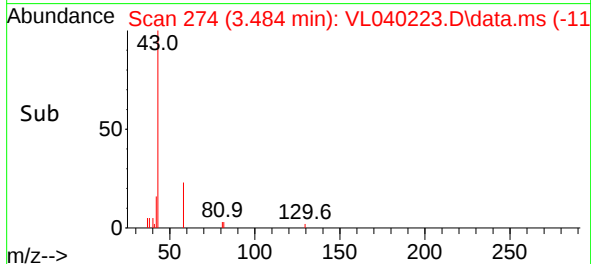
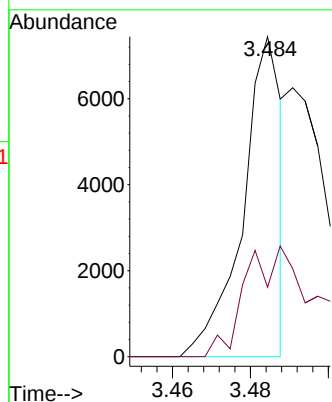
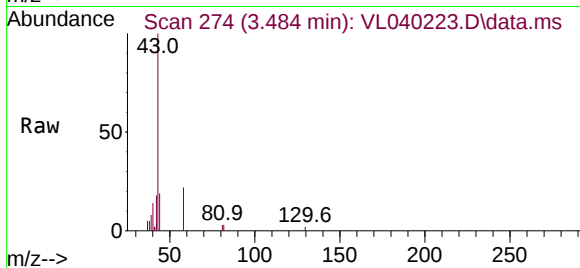
MDL-AIR-03-QT1-2023

Tgt Ion: 43 Resp: 5144

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#16

1,3-Butadiene

Concen: 0.025 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL040223.D

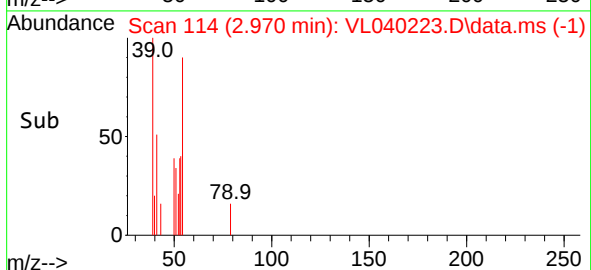
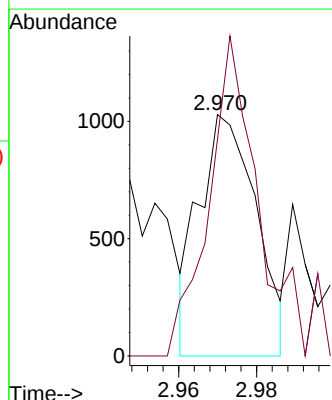
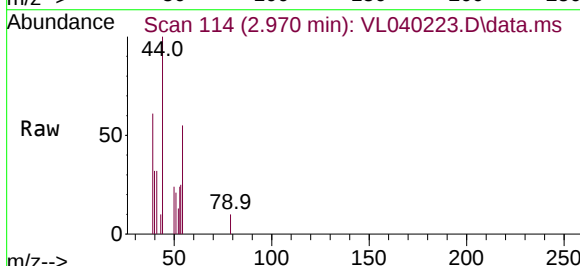
Acq: 23 Feb 2023 15:04

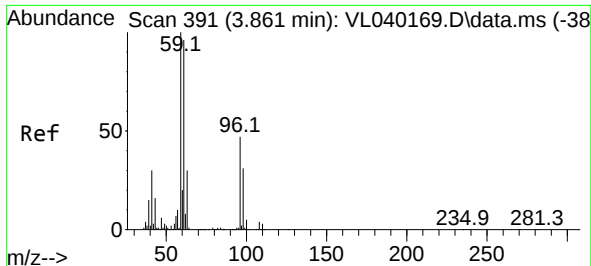
Tgt Ion: 39 Resp: 1048

Ion Ratio Lower Upper

39 100

54 119.0 66.7 100.1#





#17

tert-Butyl alcohol

Concen: 0.010 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.042 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

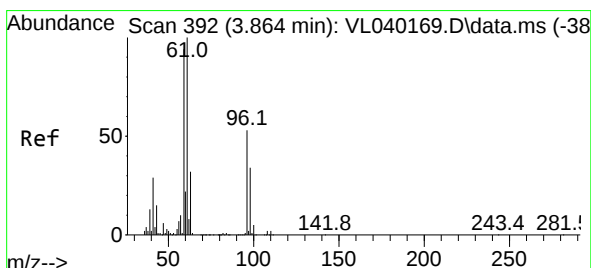
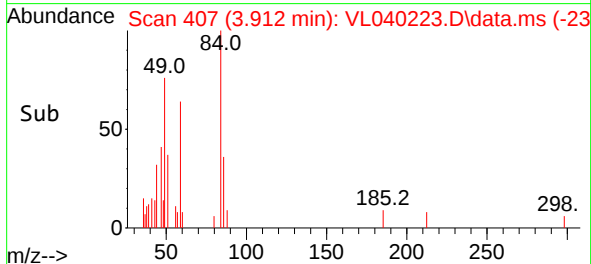
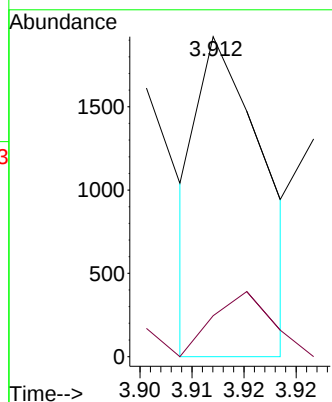
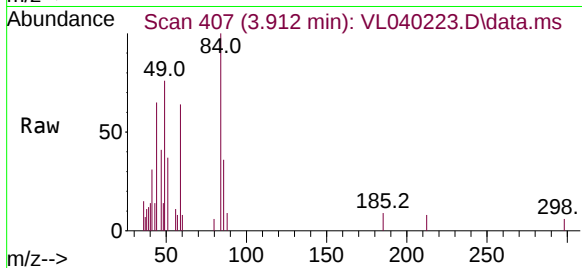
MDL-AIR-03-QT1-2023

Tgt Ion: 59 Resp: 836

Ion Ratio Lower Upper

59 100

57 37.7 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.038 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.000 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

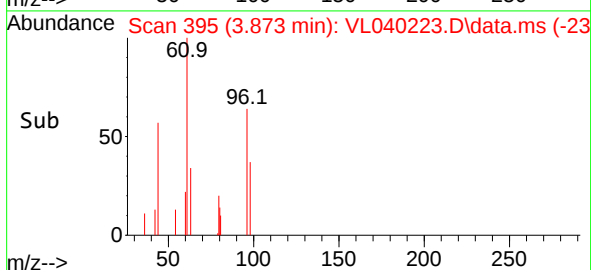
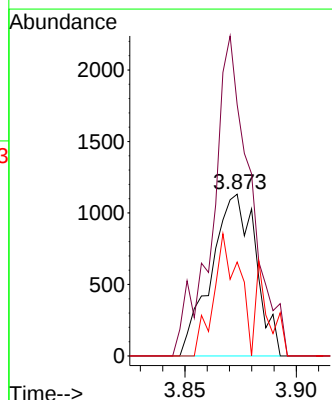
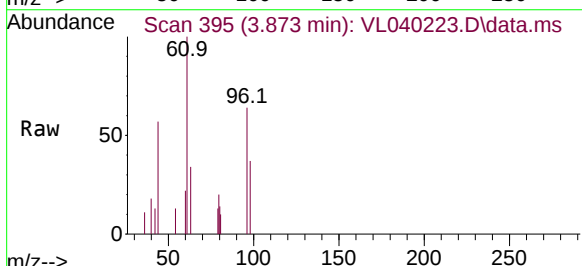
Tgt Ion: 96 Resp: 1574

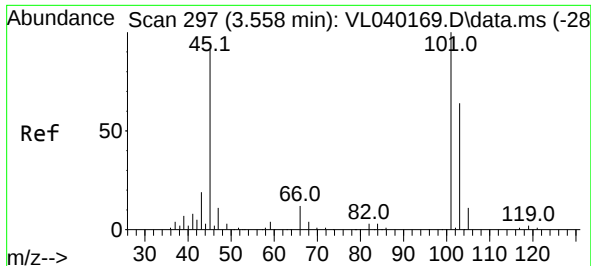
Ion Ratio Lower Upper

96 100

61 138.9 149.6 224.4#

98 58.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.568 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

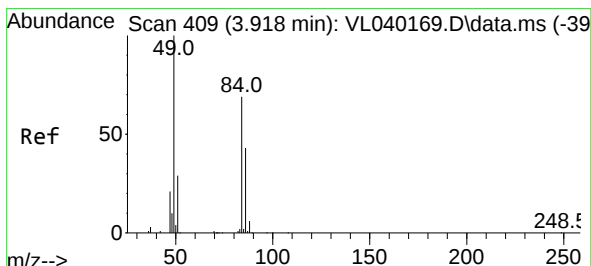
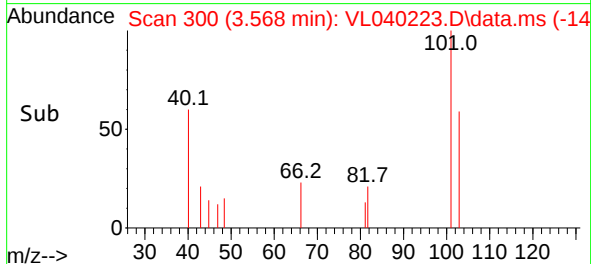
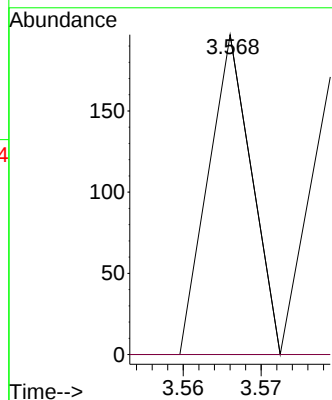
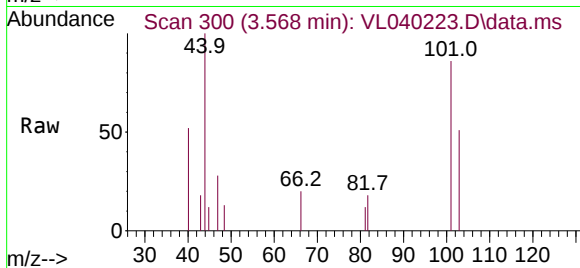
MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 38

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#



#20

Methylene Chloride

Concen: 0.046 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion: 84 Resp: 2202

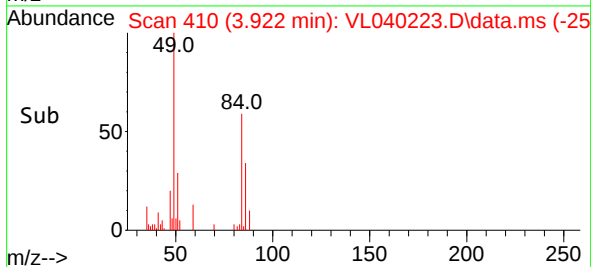
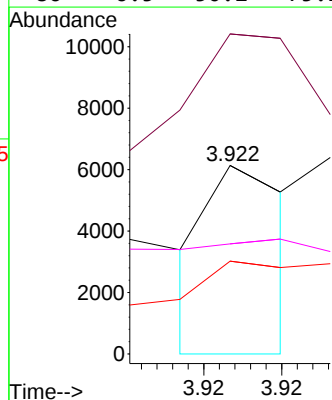
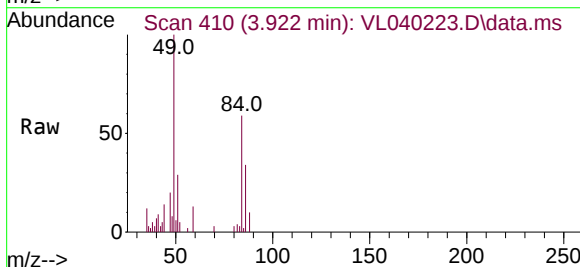
Ion Ratio Lower Upper

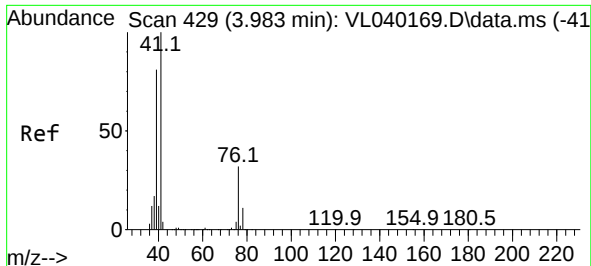
84 100

49 90.4 115.5 173.3#

51 45.4 33.1 49.7

86 6.5 50.2 75.2#





#21

Allyl Chloride

Concen: 0.034 ppbv

RT: 3.983 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

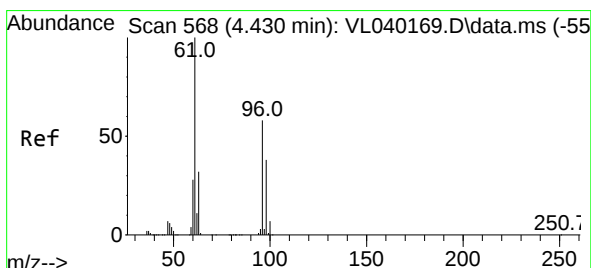
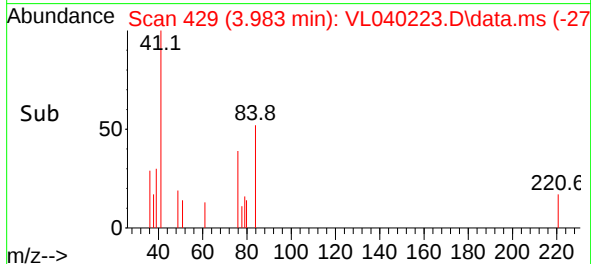
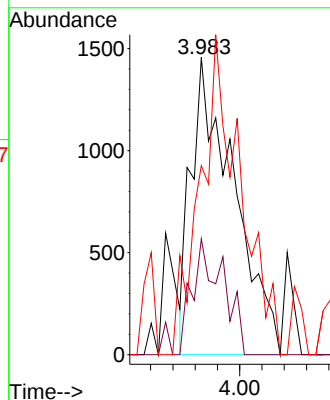
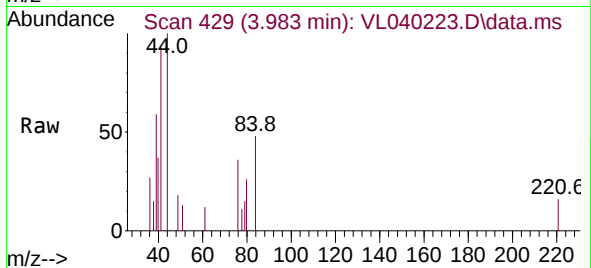
Tgt Ion: 41 Resp: 1932

Ion Ratio Lower Upper

41 100

76 30.0 25.5 38.3

39 117.6 64.5 96.7#



#22

trans-1,2-Dichloroethene

Concen: 0.011 ppbv

RT: 4.433 min Scan# 569

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

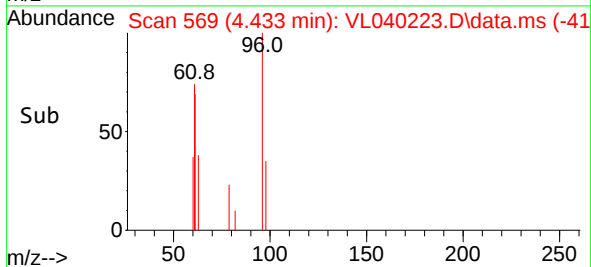
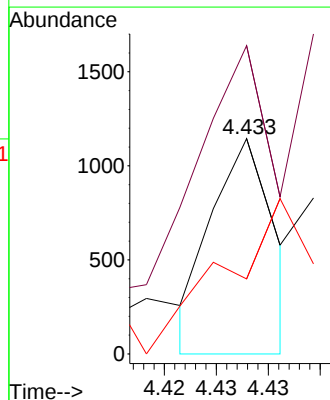
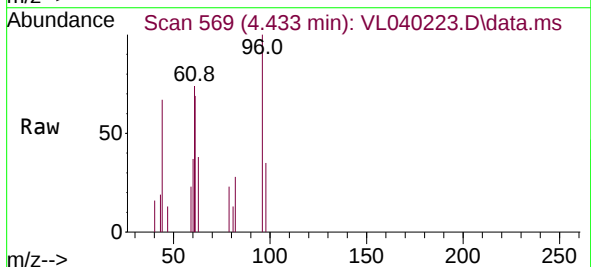
Tgt Ion: 96 Resp: 482

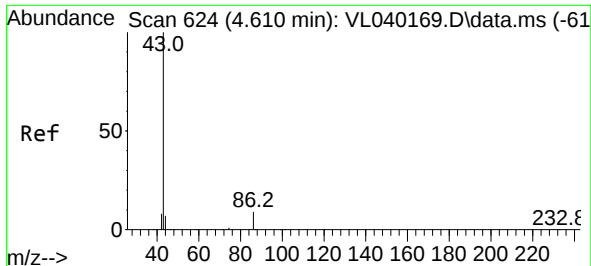
Ion Ratio Lower Upper

96 100

61 97.0 137.5 206.3#

98 16.3 52.8 79.2#

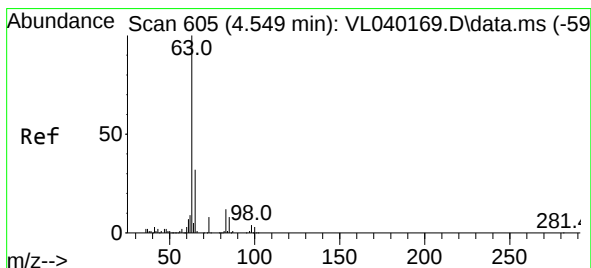
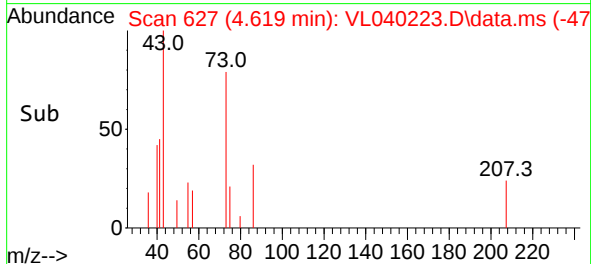
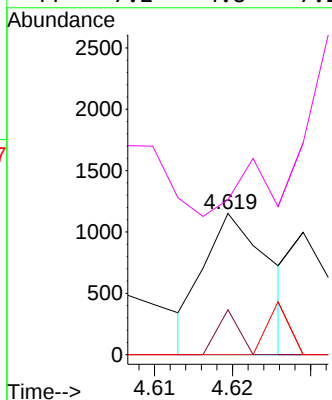
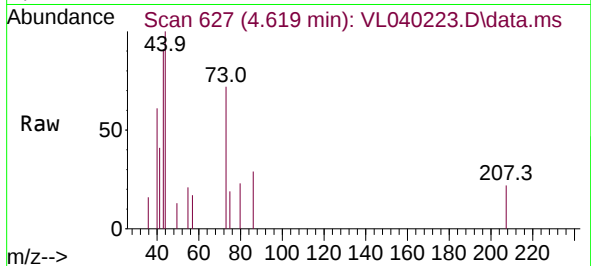




#23
 Vinyl Acetate
 Concen: 0.024 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

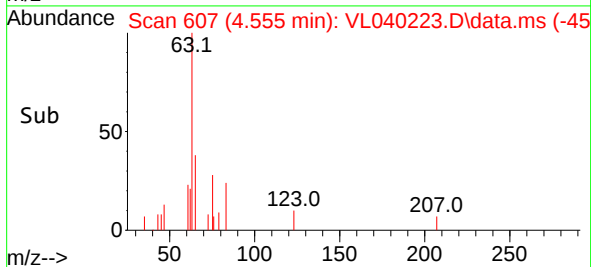
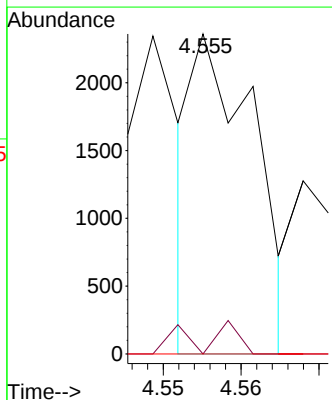
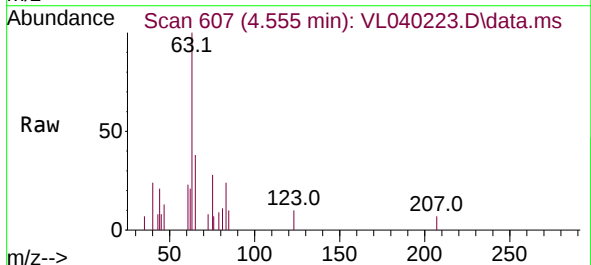
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

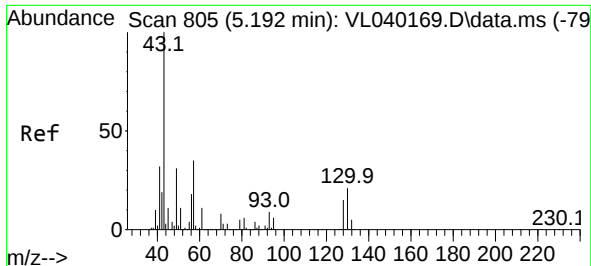
Tgt Ion:	43	Resp:	669
Ion	Ratio	Lower	Upper
43	100		
86	45.4	5.6	8.4#
42	0.0	7.6	11.4#
44	7.2	4.8	7.2



#24
 1,1-Dichloroethane
 Concen: 0.015 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

Tgt Ion:	63	Resp:	1304
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	0.0	1.4	4.0#





#25

Ethyl Acetate

Concen: 0.001 ppbv

RT: 5.185 min Scan# 80

Delta R.T. -0.016 min

Lab File: VL040223.D

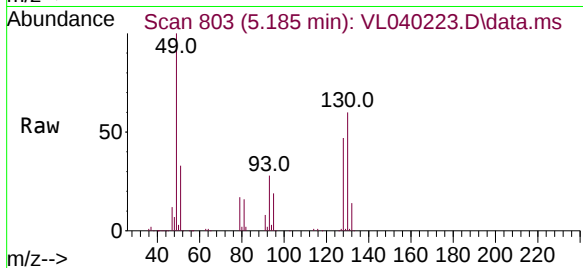
Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion: 43 Resp: 149

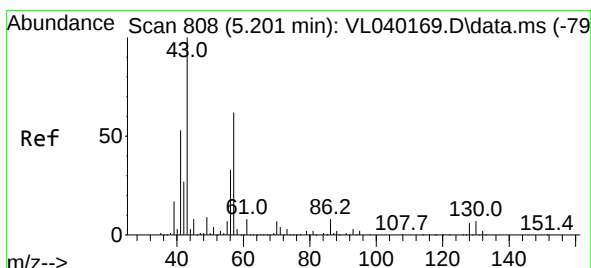
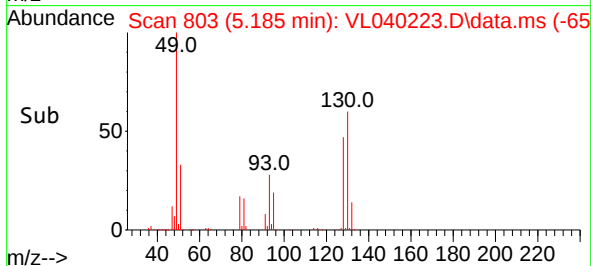
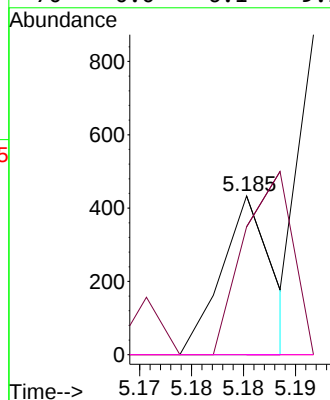
Ion Ratio Lower Upper

43 100

45 170.5 8.3 12.5#

61 0.0 8.4 12.6#

70 0.0 6.1 9.1#



#26

Hexane

Concen: 0.016 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion: 57 Resp: 1199

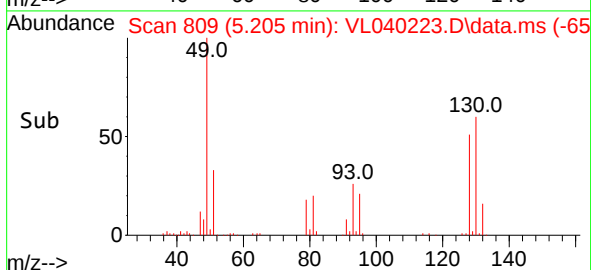
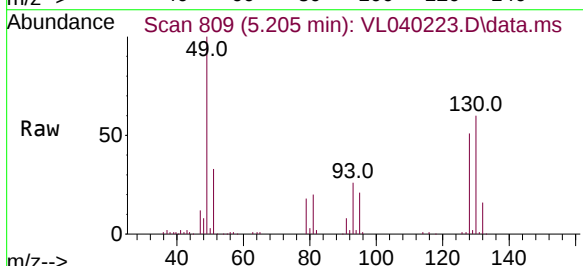
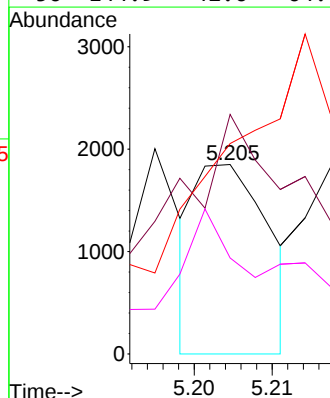
Ion Ratio Lower Upper

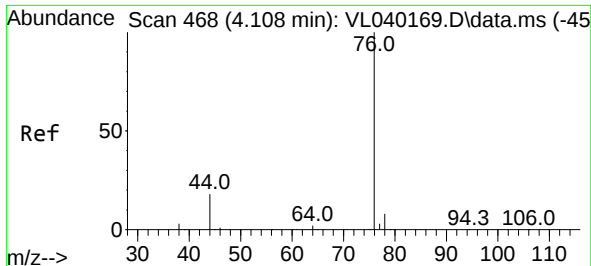
57 100

41 291.2 74.3 111.5#

43 0.0 193.0 289.4#

56 144.9 42.6 64.0#





#27

Carbon Disulfide

Concen: 0.006 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

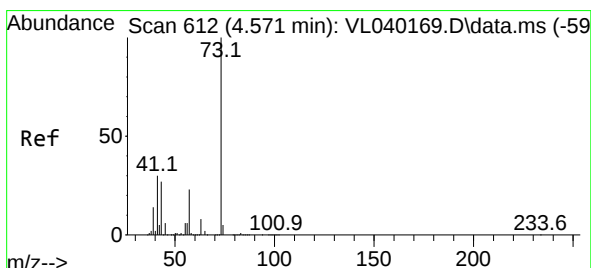
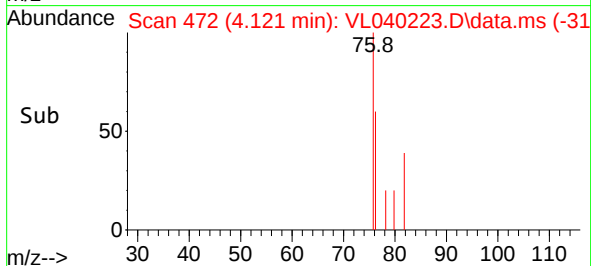
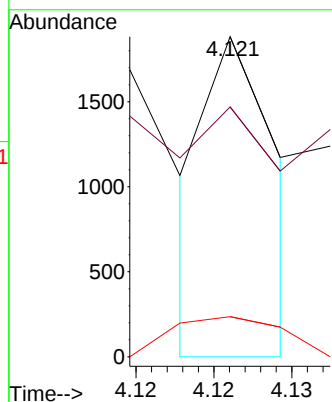
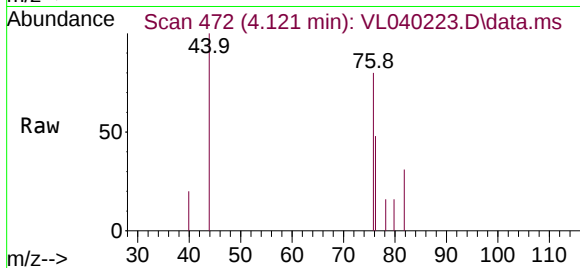
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 76 Resp: 590

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.3	22.9#
78	0.0	7.7	11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.012 ppbv

RT: 4.594 min Scan# 619

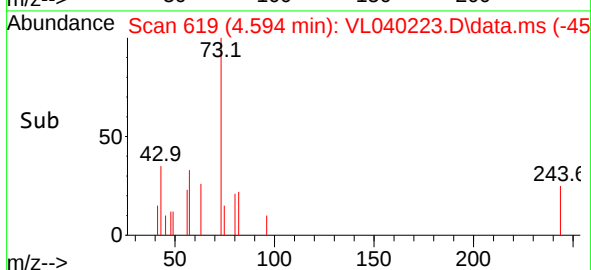
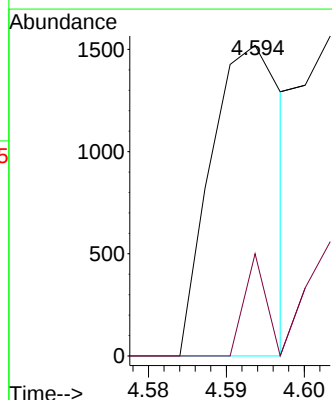
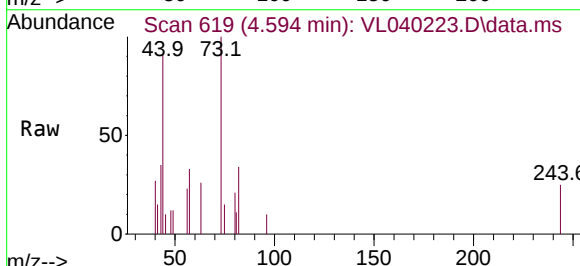
Delta R.T. 0.013 min

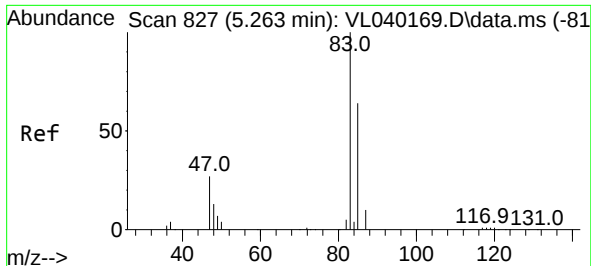
Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion: 73 Resp: 977

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.8	28.2#

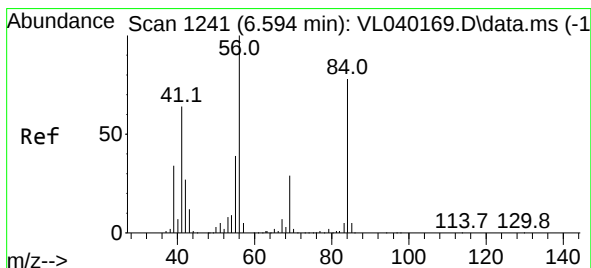
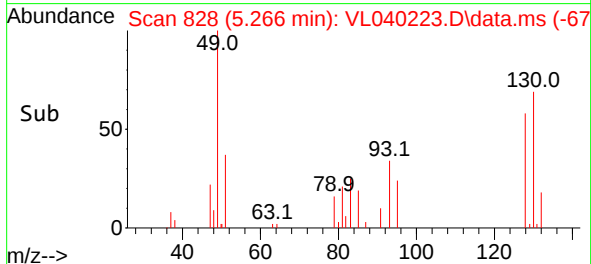
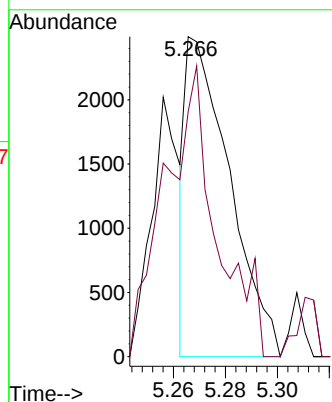
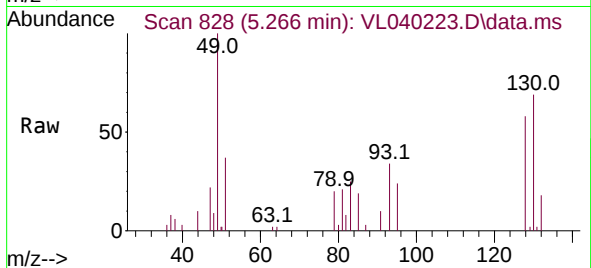




#29
Chloroform
Concen: 0.023 ppbv
RT: 5.266 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

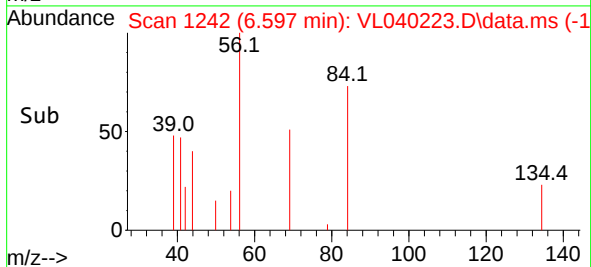
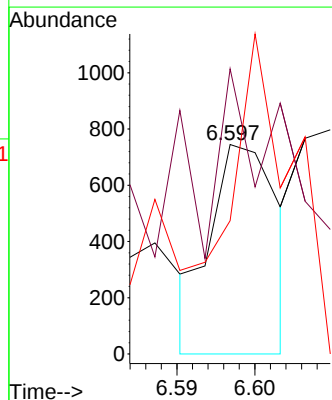
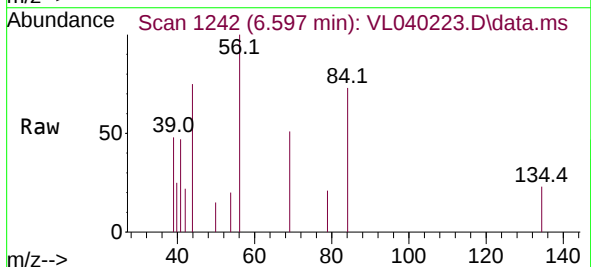
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

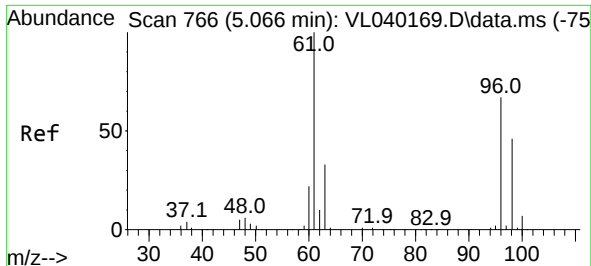
Tgt Ion: 83 Resp: 2935
Ion Ratio Lower Upper
83 100
85 76.6 51.5 77.3



#30
Cyclohexane
Concen: 0.008 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. -0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 84 Resp: 443
Ion Ratio Lower Upper
84 100
56 0.0 109.9 164.9#
41 214.2 67.8 101.6#

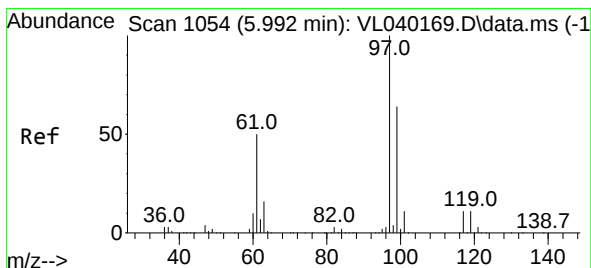
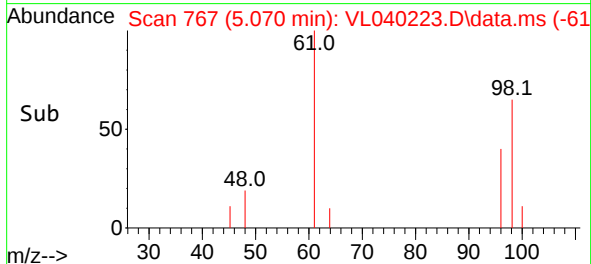
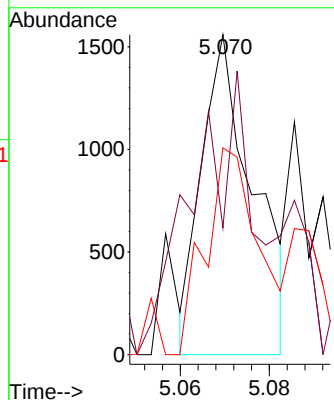
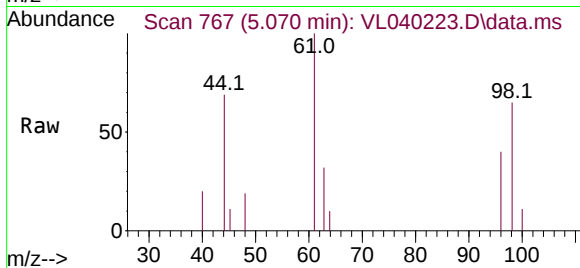




#31
 cis-1,2-Dichloroethene
 Concen: 0.018 ppbv
 RT: 5.070 min Scan# 767
 Delta R.T. -0.006 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

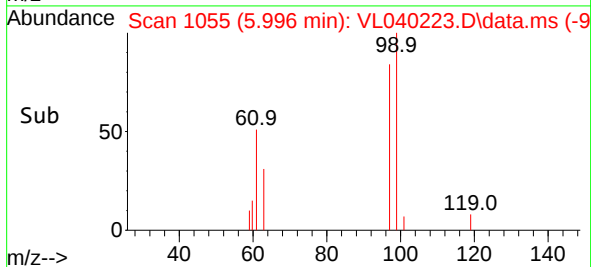
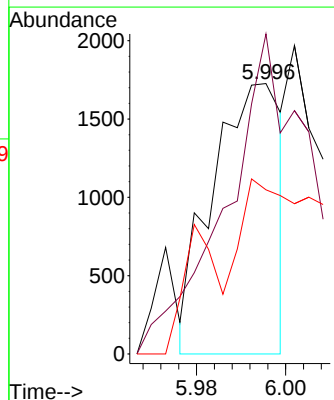
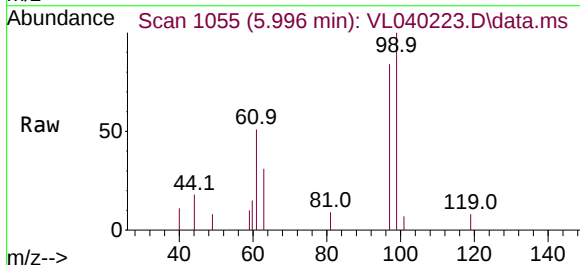
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT1-2023

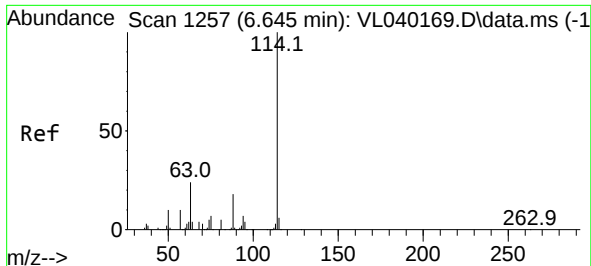
Tgt Ion: 61 Resp: 1256
 Ion Ratio Lower Upper
 61 100
 96 3.0 53.7 80.5#
 98 74.4 36.4 54.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.016 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

Tgt Ion: 97 Resp: 1854
 Ion Ratio Lower Upper
 97 100
 99 163.3 51.5 77.3#
 61 118.0 40.6 60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

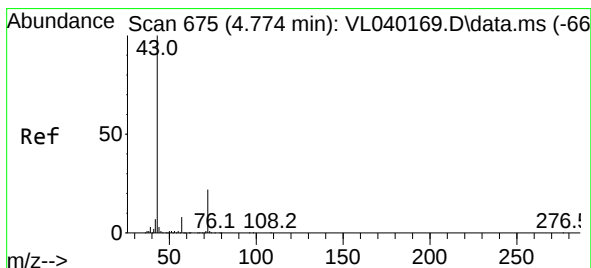
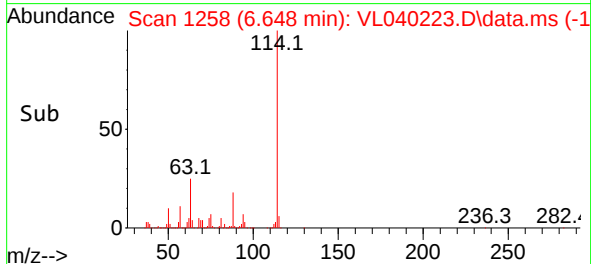
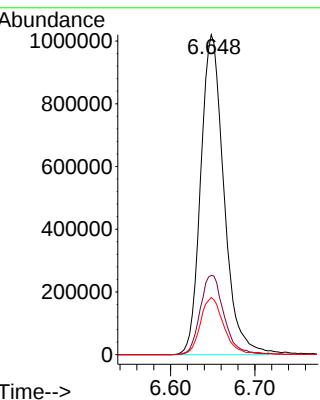
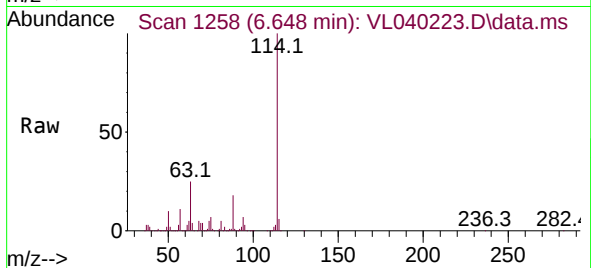
Tgt Ion:114 Resp: 1944704

Ion Ratio Lower Upper

114 100

63 25.9 20.4 30.6

88 18.3 14.3 21.5



#34

2-Butanone

Concen: 0.003 ppbv

RT: 4.742 min Scan# 665

Delta R.T. -0.039 min

Lab File: VL040223.D

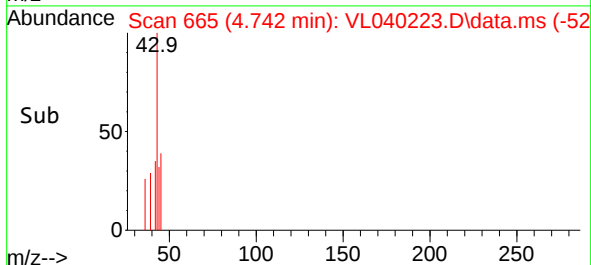
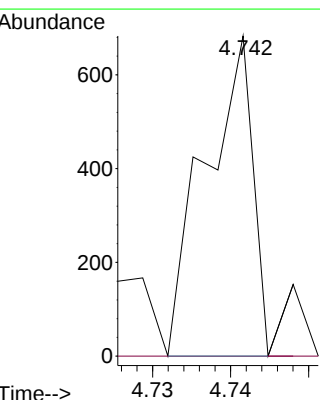
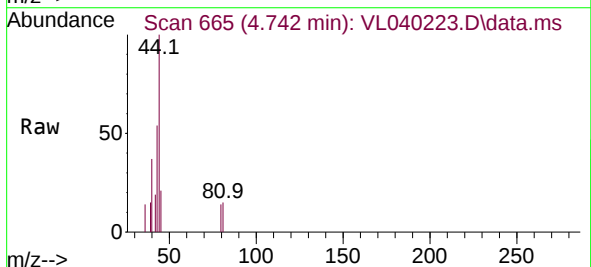
Acq: 23 Feb 2023 15:04

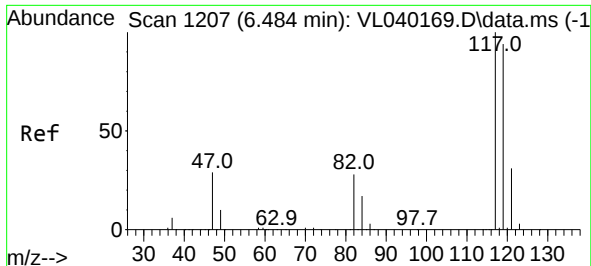
Tgt Ion: 43 Resp: 290

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.8#

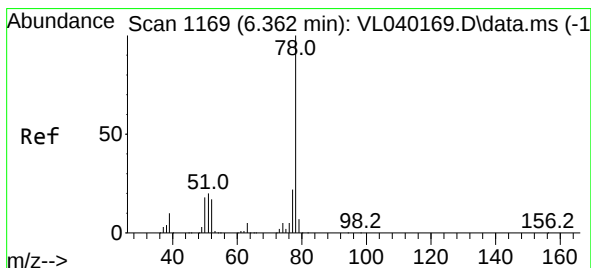
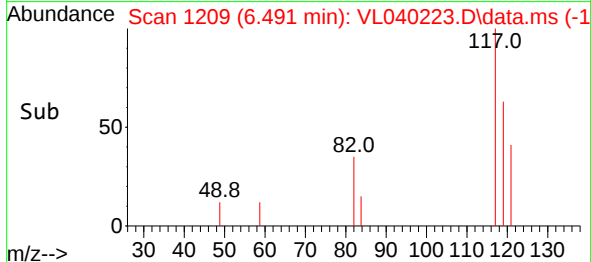
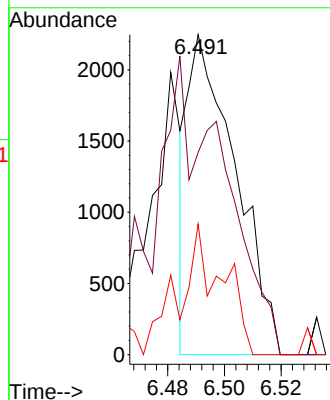
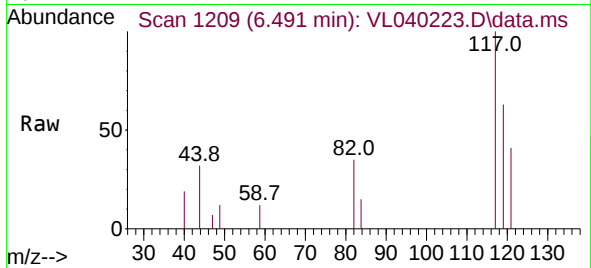




#35
Carbon Tetrachloride
Concen: 0.023 ppbv
RT: 6.491 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

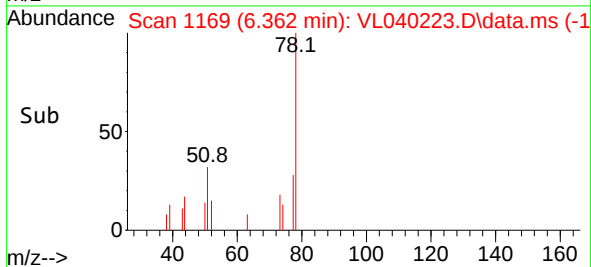
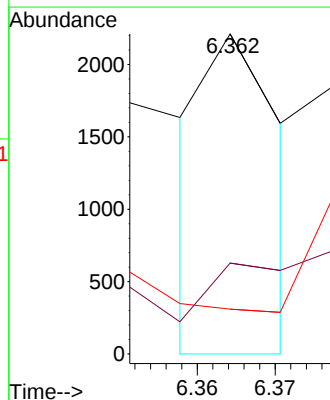
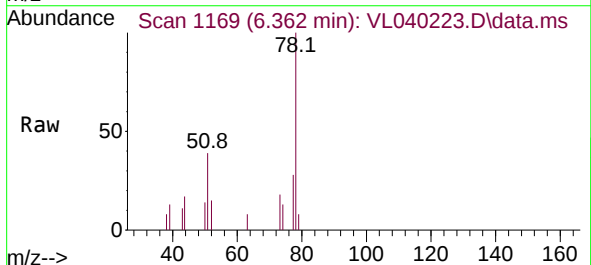
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

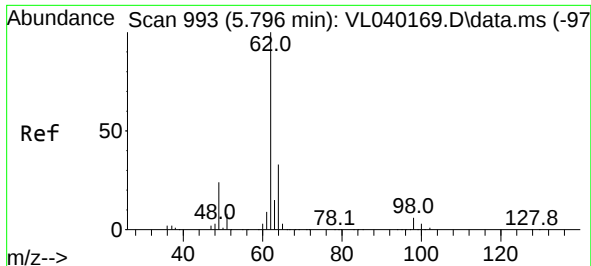
Tgt Ion:117 Resp: 2633
Ion Ratio Lower Upper
117 100
119 63.2 75.0 112.6#
121 40.8 25.0 37.4#



#36
Benzene
Concen: 0.005 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 78 Resp: 734
Ion Ratio Lower Upper
78 100
77 65.7 17.5 26.3#
50 144.0 14.6 22.0#





#37

1,2-Dichloroethane

Concen: 0.018 ppbv

RT: 5.803 min Scan# 993

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

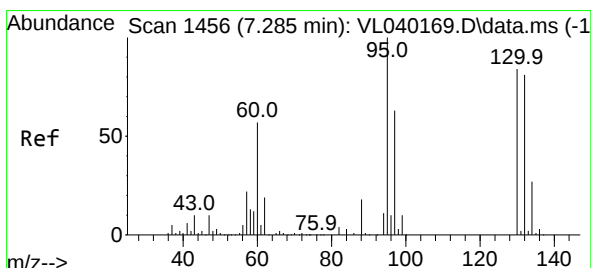
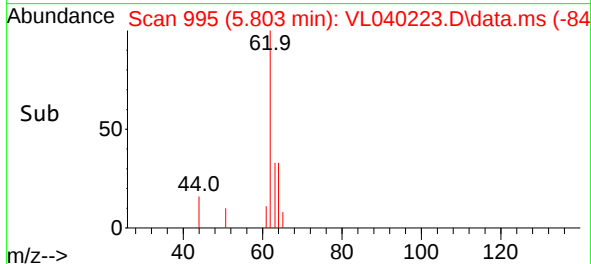
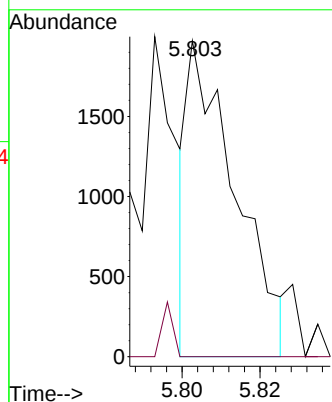
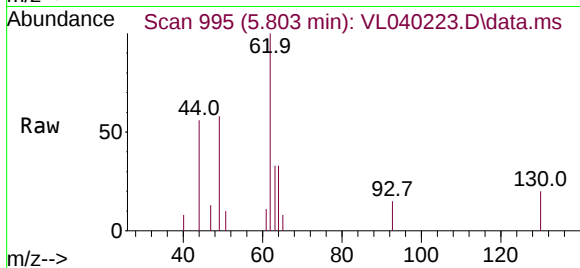
MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 1685

Ion Ratio Lower Upper

62 100

98 0.0 4.7 7.1#



#38

Trichloroethene

Concen: 0.005 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion:130 Resp: 419

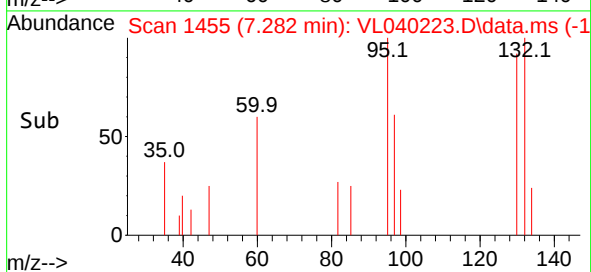
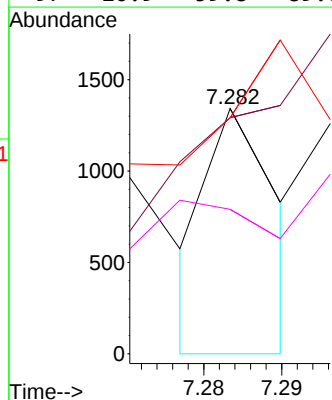
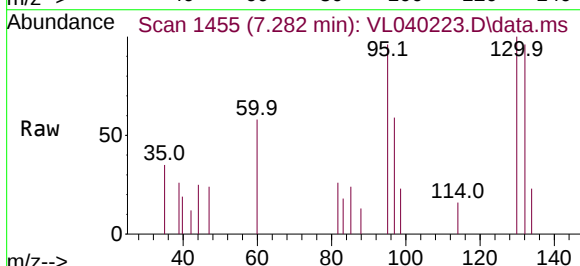
Ion Ratio Lower Upper

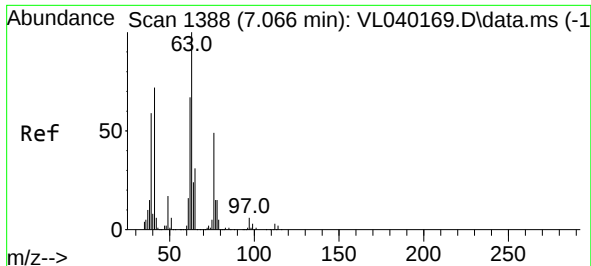
130 100

95 31.4 94.7 142.1#

132 33.6 76.4 114.6#

97 20.9 59.8 89.6#





#39

1,2-Dichloropropane

Concen: 8.379 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.428 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

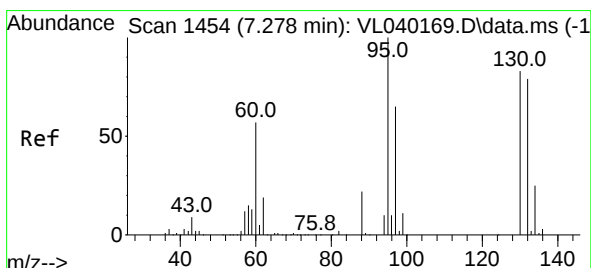
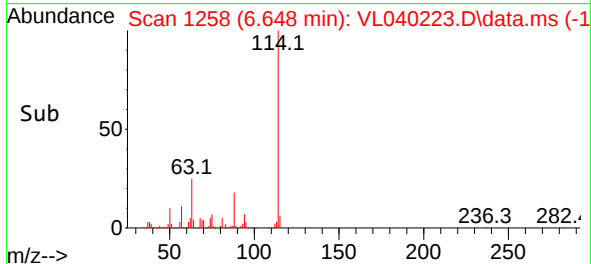
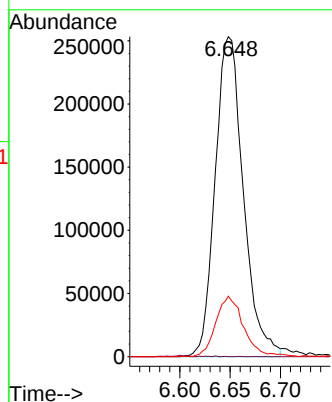
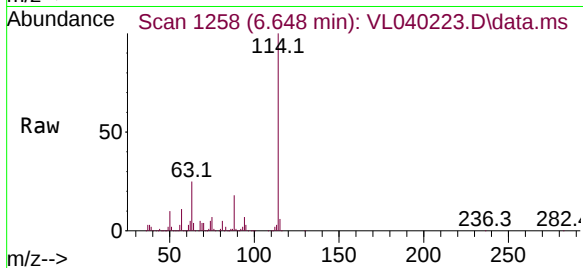
Tgt Ion: 63 Resp: 493324

Ion Ratio Lower Upper

63 100

41 0.1 57.6 86.4#

62 18.9 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. -0.022 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion: 88 Resp: 69

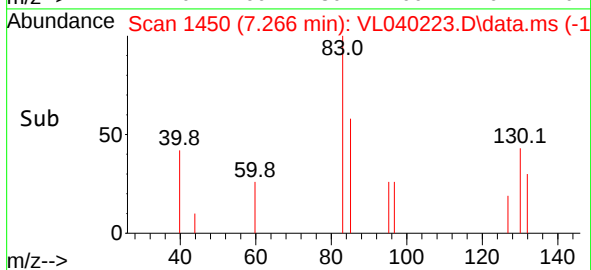
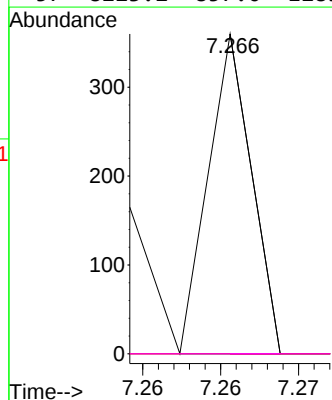
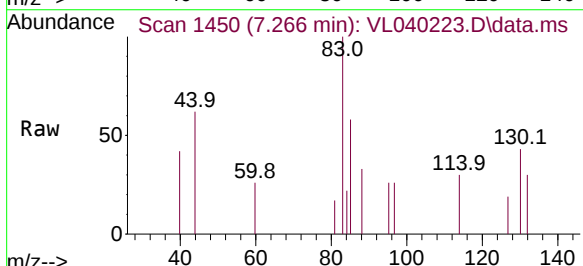
Ion Ratio Lower Upper

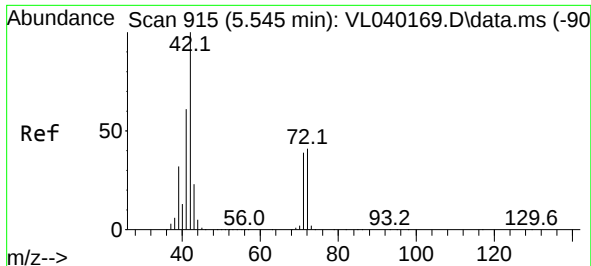
88 100

58 46.4 97.4 146.0#

43 2160.9 193.5 290.3#

57 8223.2 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 0.008 ppbv

RT: 5.587 min Scan# 915

Delta R.T. 0.032 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

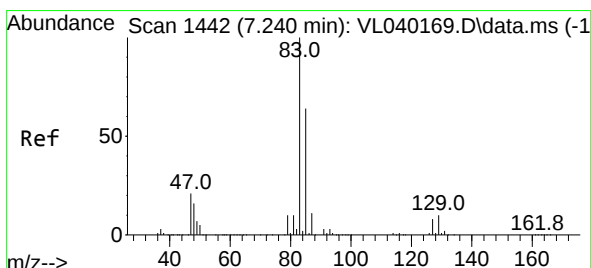
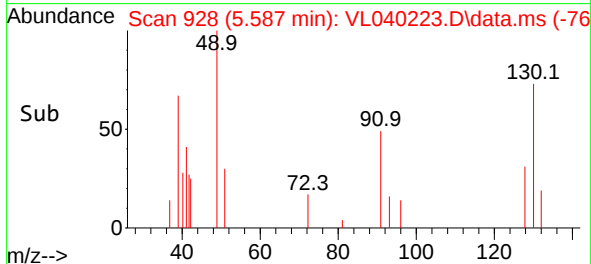
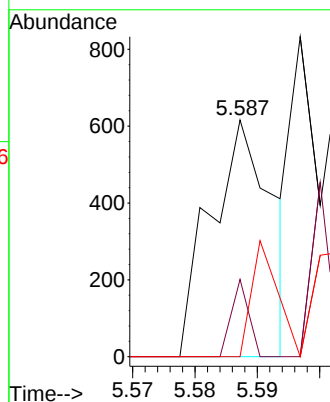
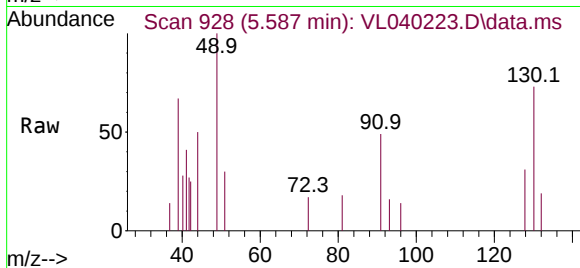
Tgt Ion: 42 Resp: 425

Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.4#

71 62.1 31.4 47.2#



#42

Bromodichloromethane

Concen: 0.021 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

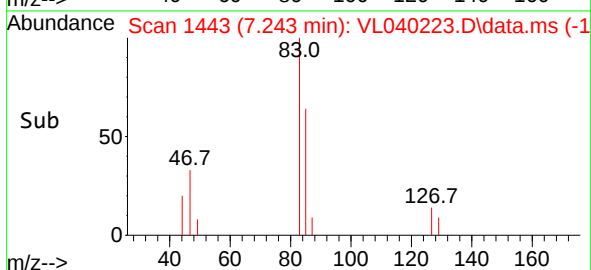
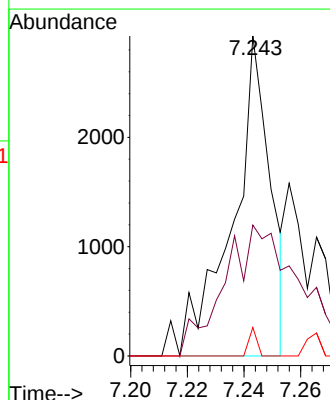
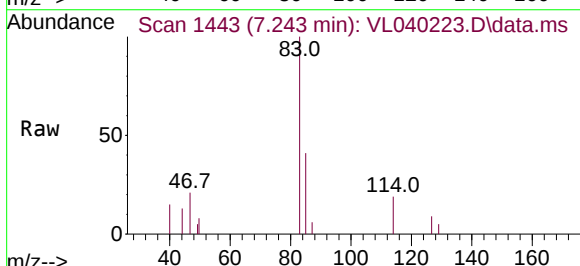
Tgt Ion: 83 Resp: 2684

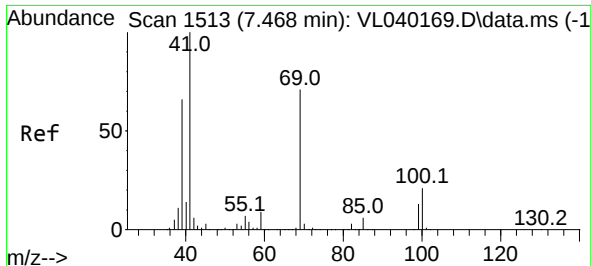
Ion Ratio Lower Upper

83 100

85 43.8 50.9 76.3#

127 9.5 6.2 9.2#





#43

Methyl Methacrylate

Concen: 0.005 ppbv

RT: 7.468 min Scan# 1513

Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

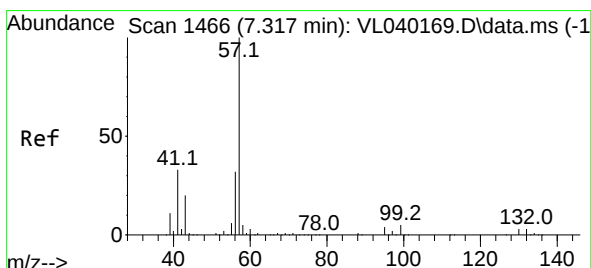
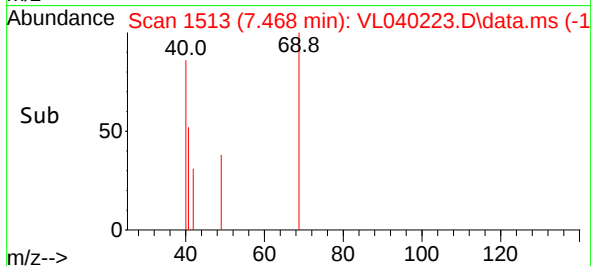
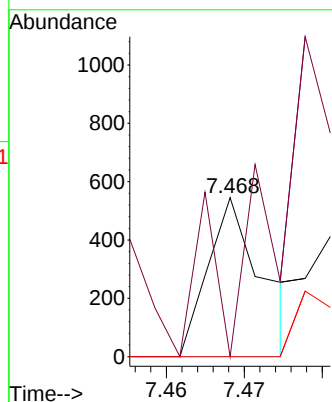
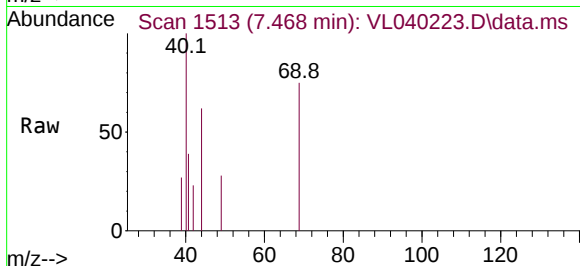
Tgt Ion: 69 Resp: 261

Ion Ratio Lower Upper

69 100

41 0.0 116.6 174.8#

100 0.0 25.6 38.4#



#44

2,2,4-Trimethylpentane

Concen: 0.007 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

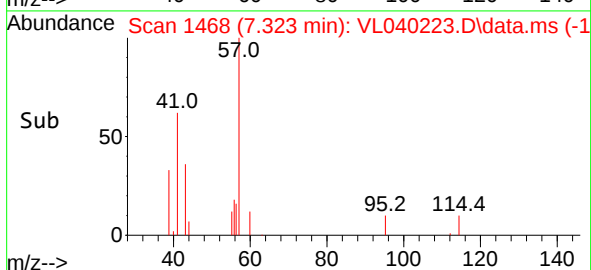
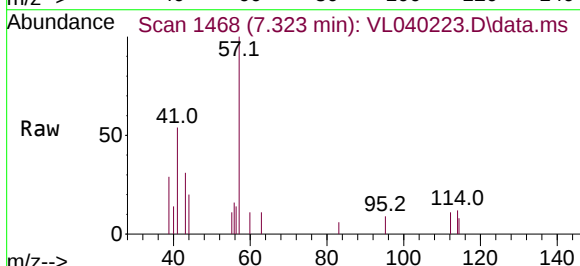
Tgt Ion: 57 Resp: 1845

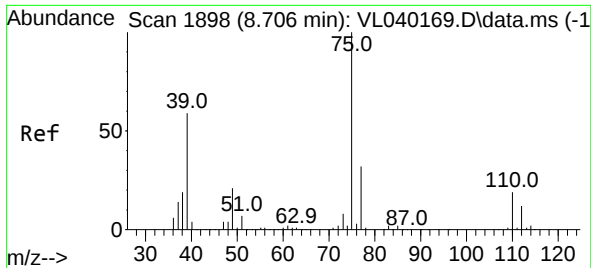
Ion Ratio Lower Upper

57 100

41 128.5 26.2 39.4#

56 0.0 24.9 37.3#

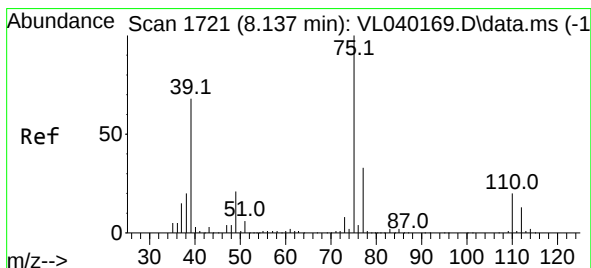
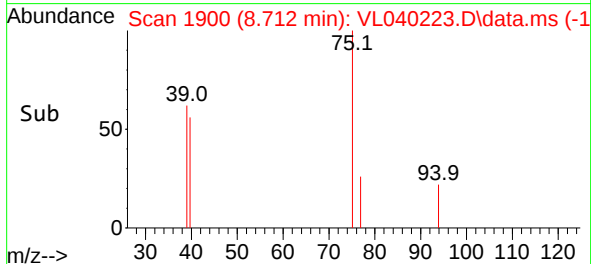
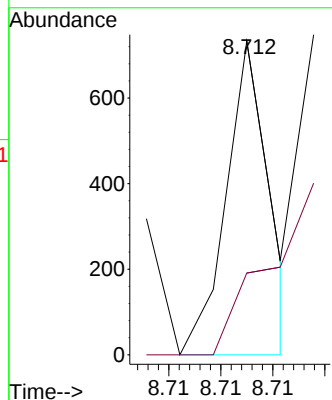
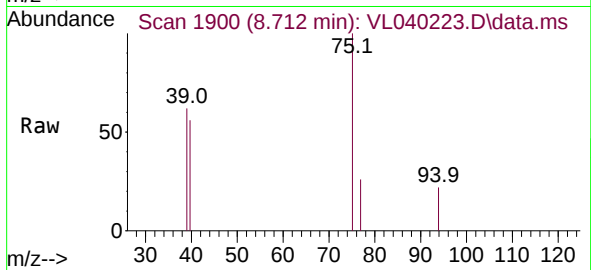




#45
 t-1,3-Dichloropropene
 Concen: 0.004 ppbv
 RT: 8.712 min Scan# 1898
 Delta R.T. -0.003 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

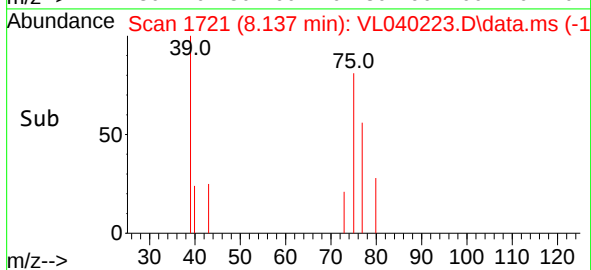
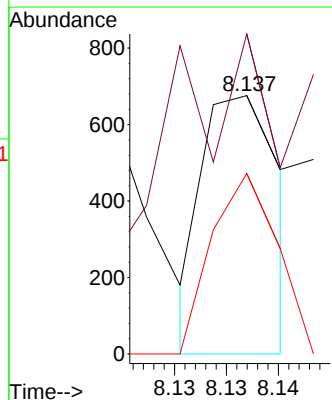
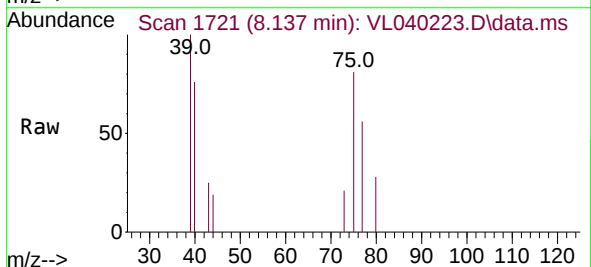
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

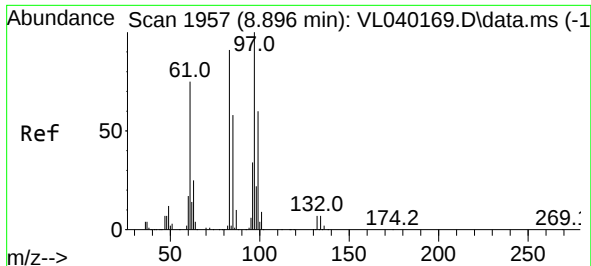
Tgt Ion: 75 Resp: 213
 Ion Ratio Lower Upper
 75 100
 77 26.1 25.7 38.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.005 ppbv
 RT: 8.137 min Scan# 1721
 Delta R.T. -0.010 min
 Lab File: VL040223.D
 Acq: 23 Feb 2023 15:04

Tgt Ion: 75 Resp: 349
 Ion Ratio Lower Upper
 75 100
 39 70.6 54.2 81.2
 77 95.2 26.0 39.0#

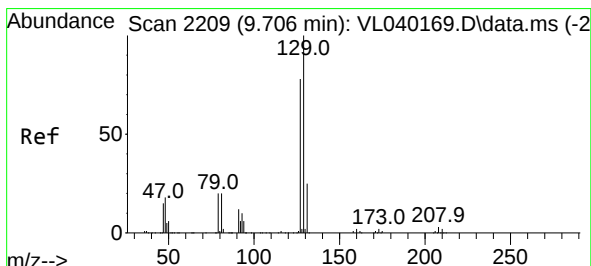
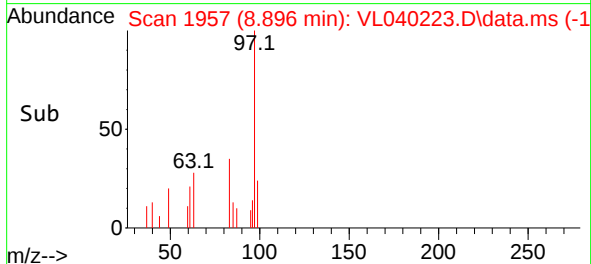
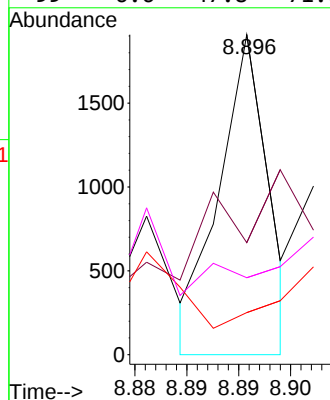
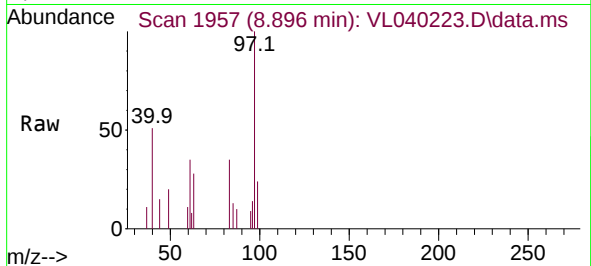




#47
1,1,2-Trichloroethane
Concen: 0.010 ppbv
RT: 8.896 min Scan# 1957
Delta R.T. -0.010 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

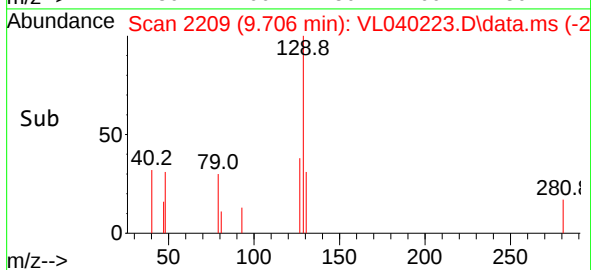
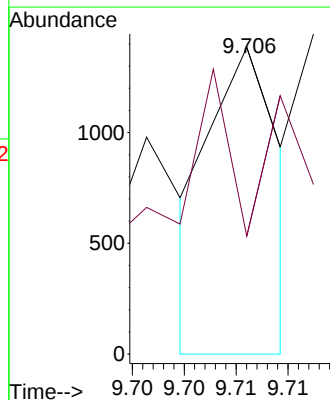
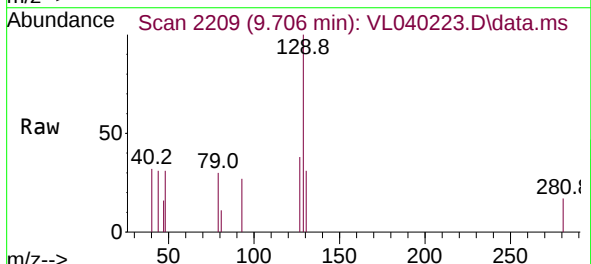
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

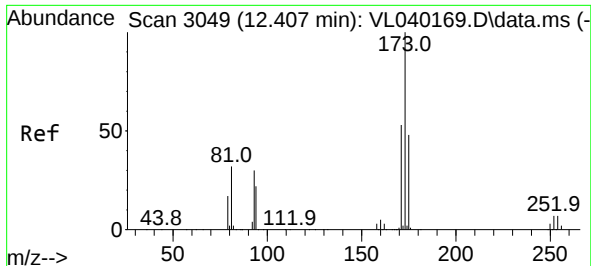
Tgt Ion: 97	Resp: 627
Ion Ratio	Lower Upper
97 100	
83 13.9	72.8 109.2#
85 0.0	46.6 69.8#
99 6.6	47.8 71.6#



#48
Dibromochloromethane
Concen: 0.006 ppbv
RT: 9.706 min Scan# 2209
Delta R.T. -0.010 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion:129	Resp:	650	
Ion	Ratio	Lower	Upper
129	100		
127	272.9	39.1	117.2#





#49

Bromoform

Concen: 0.005 ppbv

RT: 12.397 min Scan# 3049

Delta R.T. -0.016 min

Lab File: VL040223.D

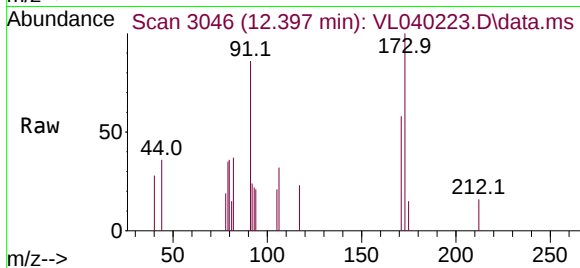
Acq: 23 Feb 2023 15:04

Instrument :

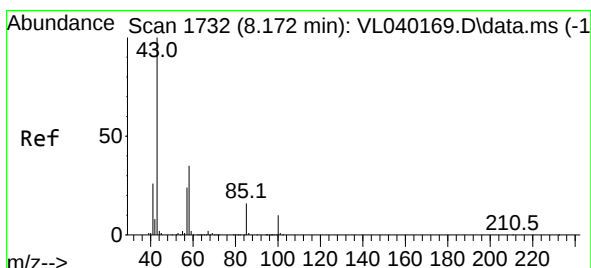
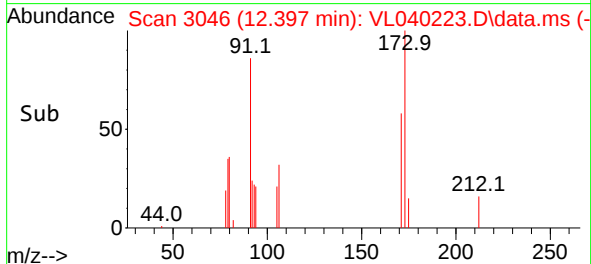
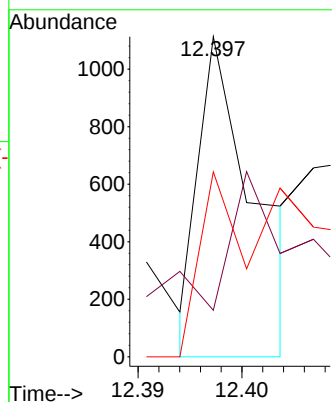
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:173	Resp:	419
Ion	Ratio	Lower Upper
173	100	
175	226.3	39.4 59.0#
171	231.5	41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

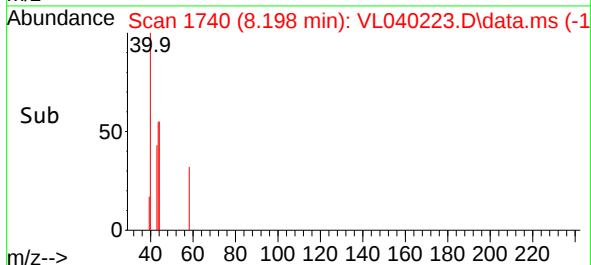
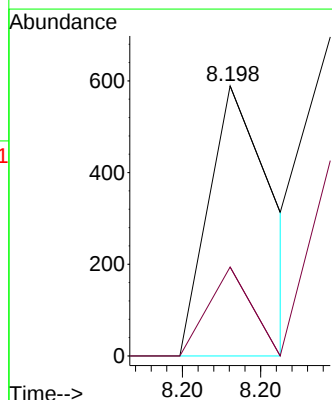
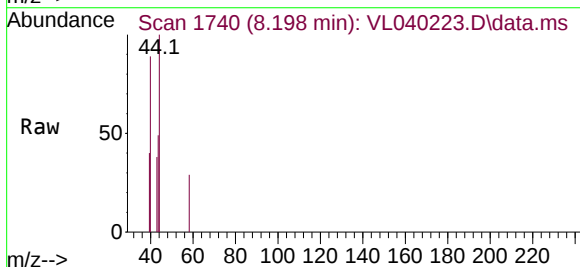
RT: 8.198 min Scan# 1740

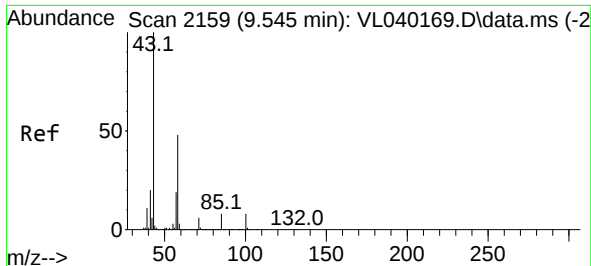
Delta R.T. 0.016 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion: 43	Resp:	174
Ion	Ratio	Lower Upper
43	100	
58	0.0	29.2 43.8#

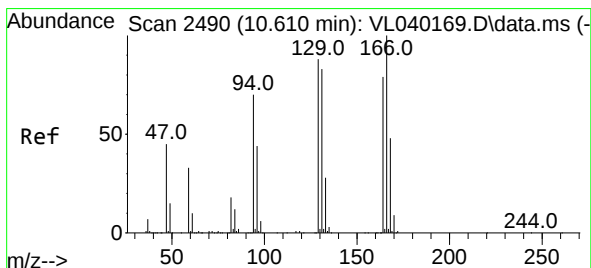
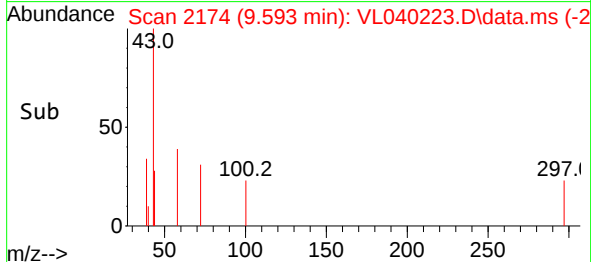
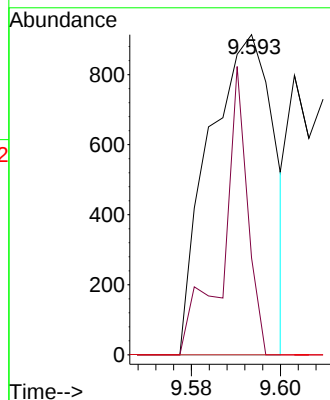
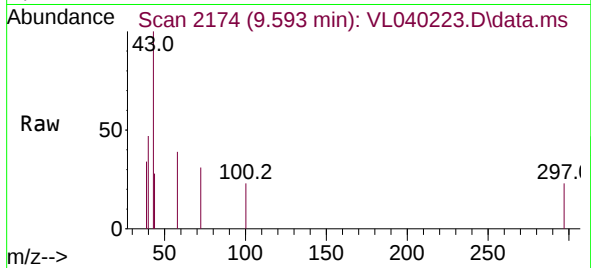




#51
2-Hexanone
Concen: 0.008 ppbv
RT: 9.593 min Scan# 2159
Delta R.T. 0.039 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

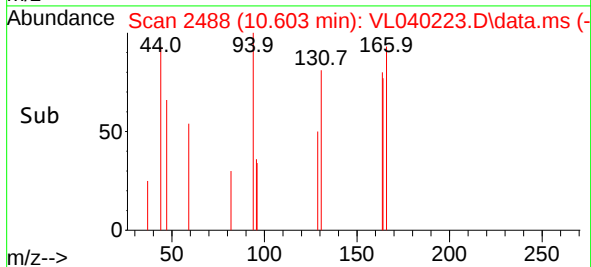
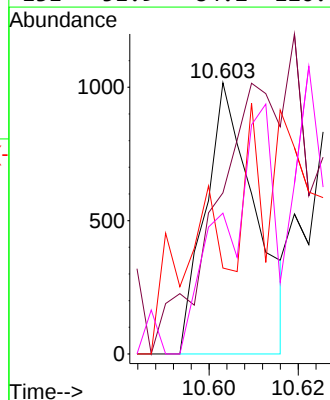
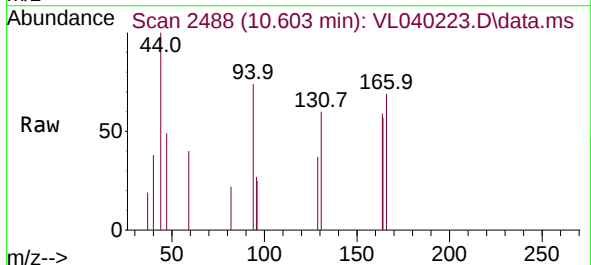
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

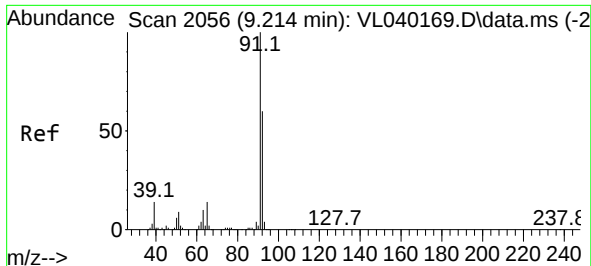
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
58 33.7 39.1 58.7#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.017 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. -0.016 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 164 Resp: 790
Ion Ratio Lower Upper
164 100
166 37.2 101.5 152.3#
129 6.9 89.0 133.4#
131 51.9 84.2 126.4#

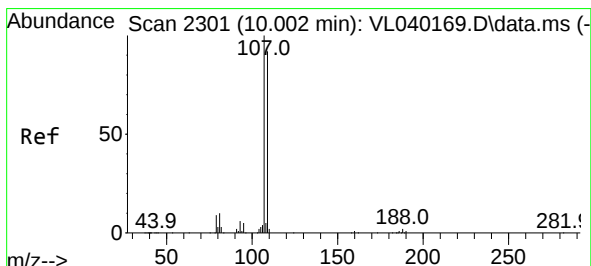
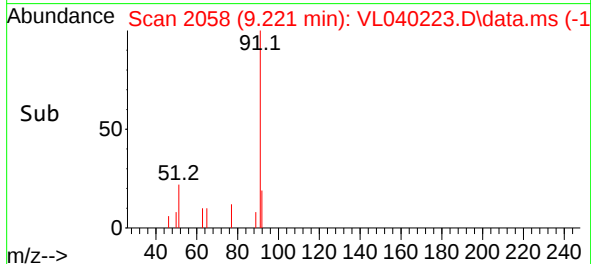
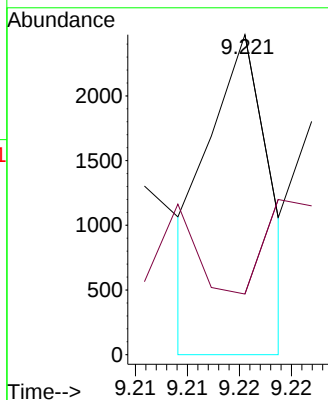
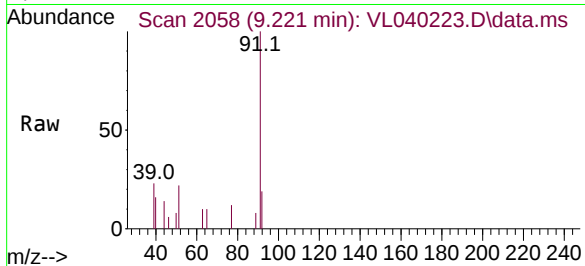




#53
Toluene
Concen: 0.006 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

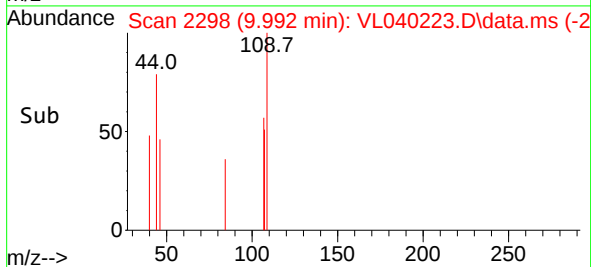
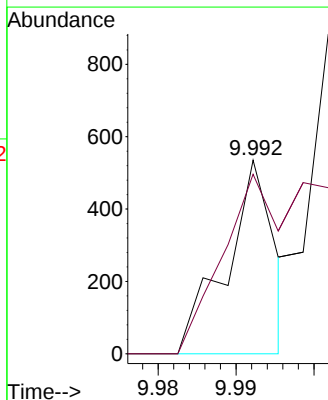
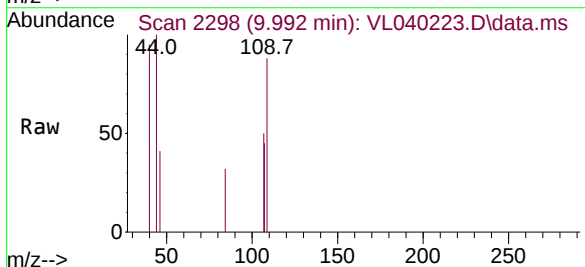
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

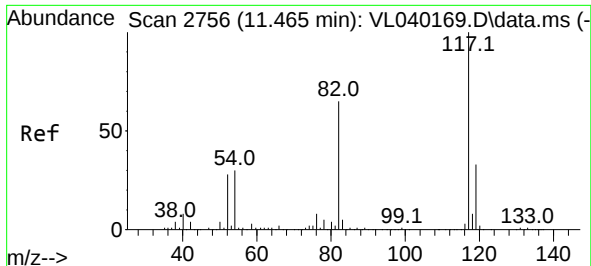
Tgt Ion: 91 Resp: 1006
Ion Ratio Lower Upper
91 100
92 197.6 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.004 ppbv
RT: 9.992 min Scan# 2298
Delta R.T. -0.023 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 107 Resp: 232
Ion Ratio Lower Upper
107 100
109 92.7 73.8 110.8

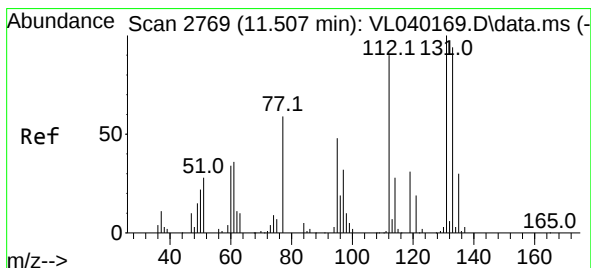
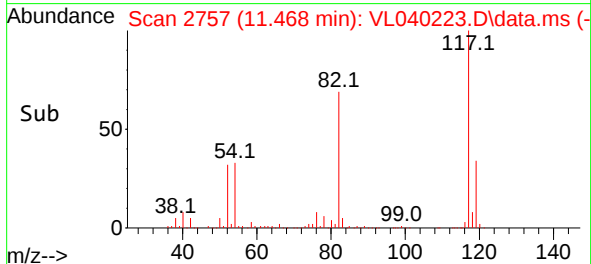
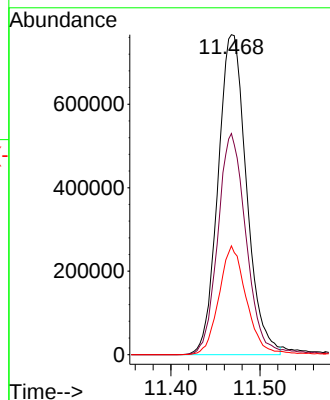
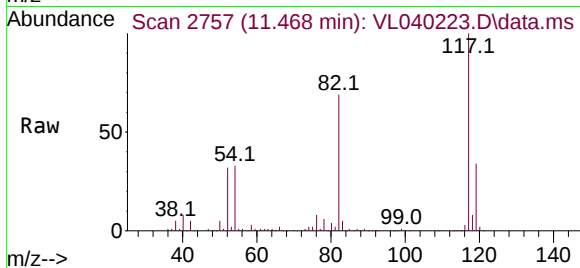




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

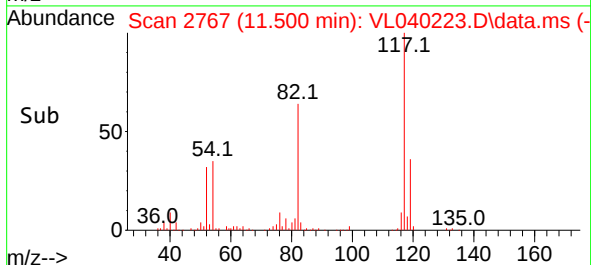
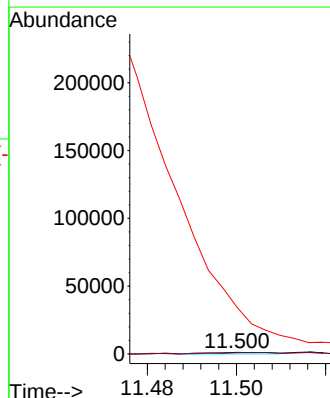
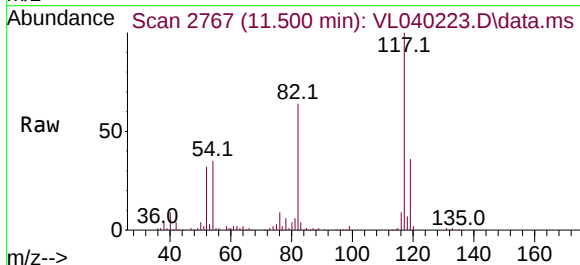
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

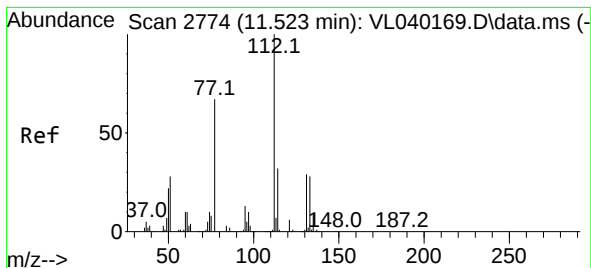
Tgt Ion:117 Resp: 1705338
Ion Ratio Lower Upper
117 100
82 69.4 53.3 79.9
119 33.5 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.016 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. -0.016 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion:131 Resp: 1119
Ion Ratio Lower Upper
131 100
133 193.4 76.2 114.2#
119 0.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.005 ppbv

RT: 11.526 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

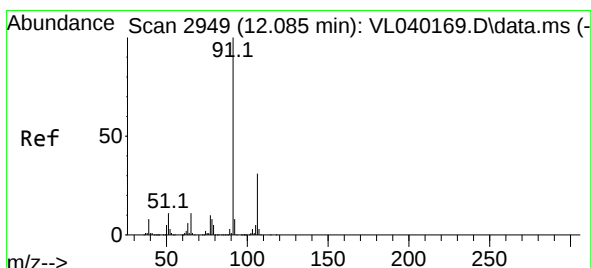
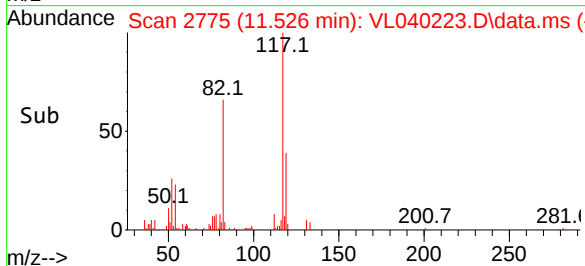
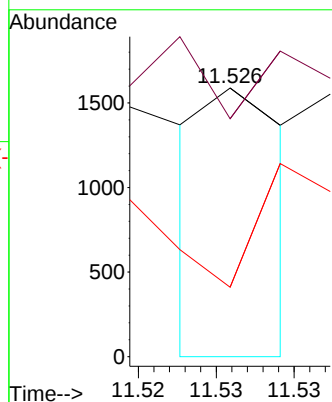
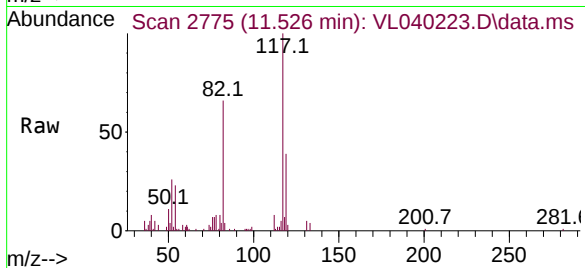
Tgt Ion:112 Resp: 571

Ion Ratio Lower Upper

112 100

77 0.0 55.0 82.4#

114 0.0 29.0 35.4#



#58

Ethyl Benzene

Concen: 0.003 ppbv

RT: 12.330 min Scan# 3025

Delta R.T. 0.235 min

Lab File: VL040223.D

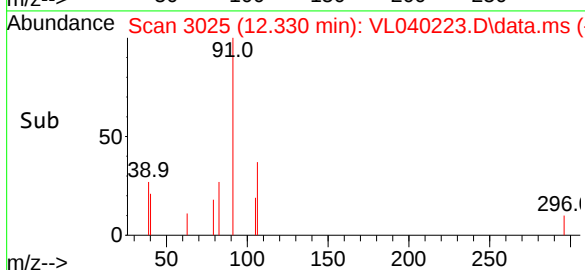
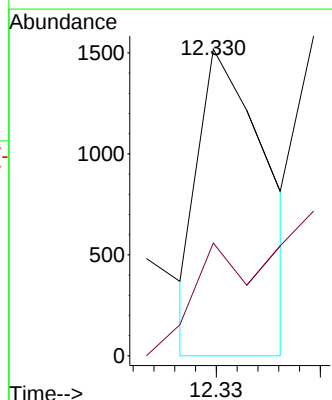
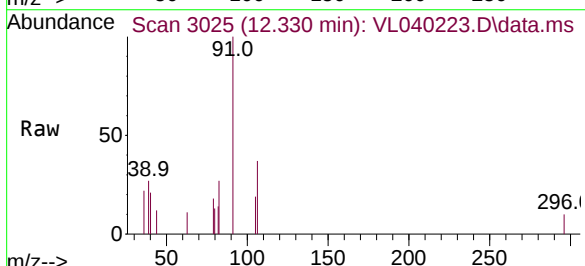
Acq: 23 Feb 2023 15:04

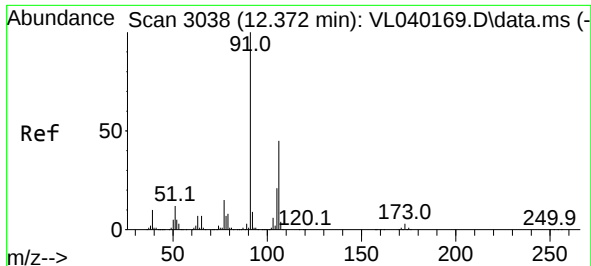
Tgt Ion: 91 Resp: 684

Ion Ratio Lower Upper

91 100

106 35.2 24.9 37.3





#59

m/p-Xylene

Concen: 0.006 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

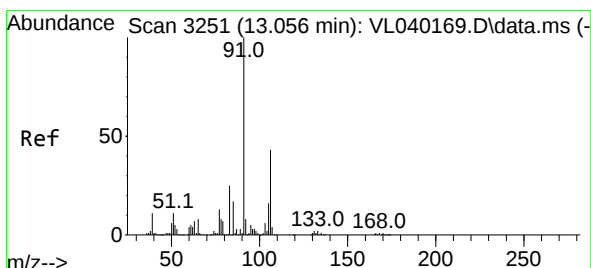
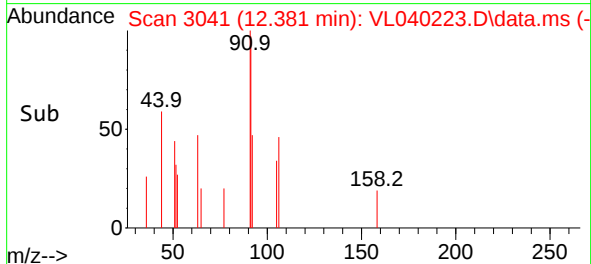
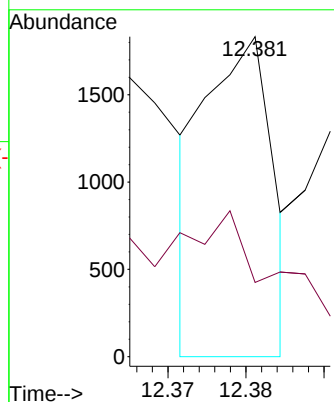
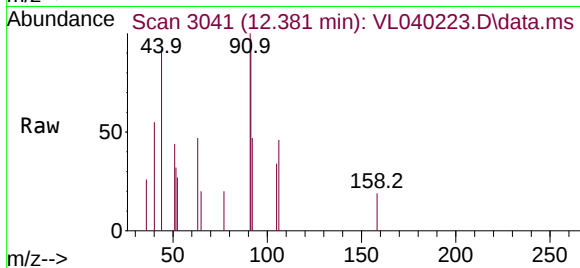
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 1110

Ion Ratio Lower Upper

91 100

106 121.8 34.6 51.8#



#60

o-Xylene

Concen: 0.004 ppbv

RT: 13.060 min Scan# 3252

Delta R.T. -0.006 min

Lab File: VL040223.D

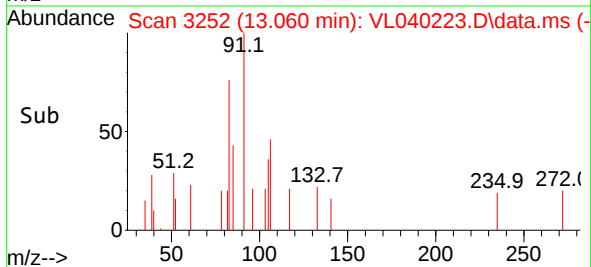
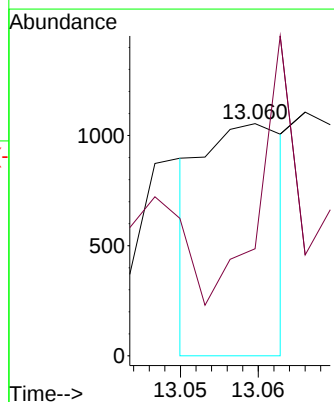
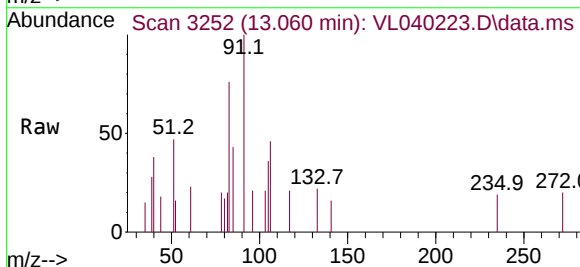
Acq: 23 Feb 2023 15:04

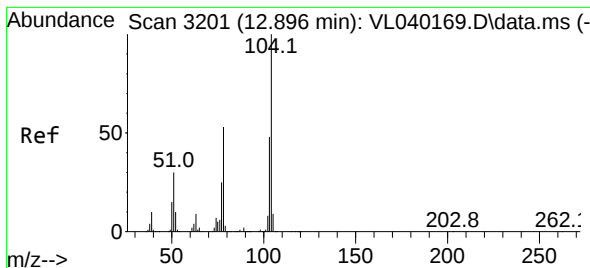
Tgt Ion: 91 Resp: 770

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.004 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

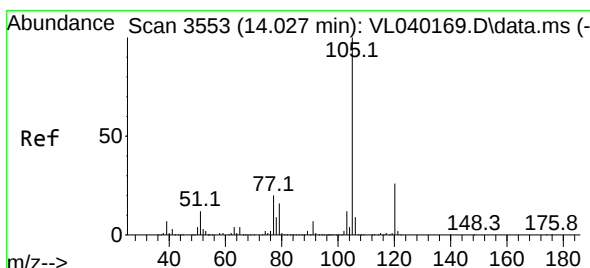
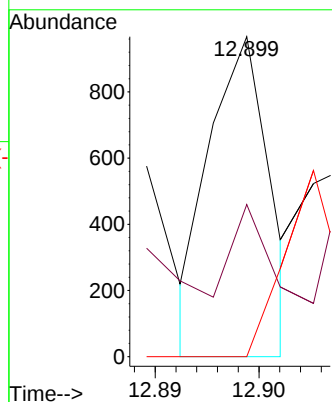
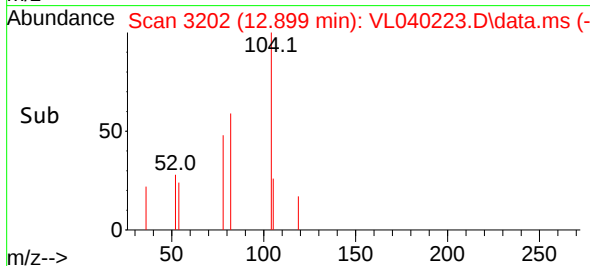
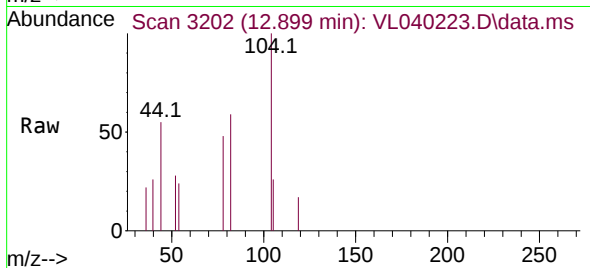
Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:104 Resp: 391
 Ion Ratio Lower Upper
 104 100
 78 0.0 42.3 63.5#
 103 0.0 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.010 ppbv

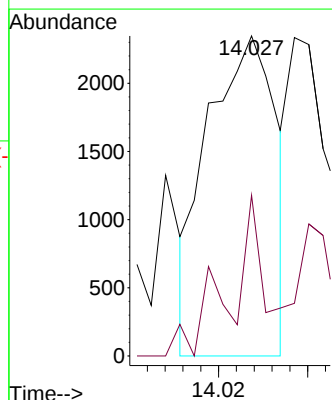
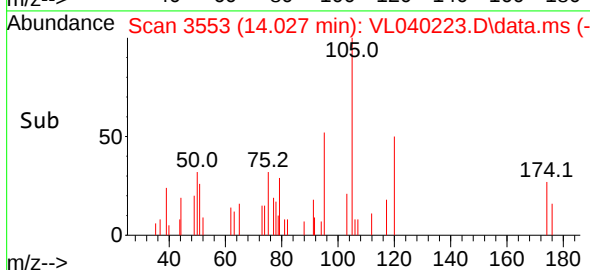
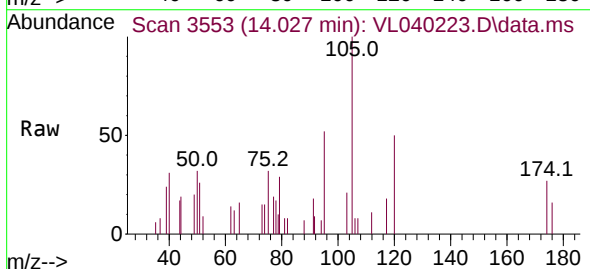
RT: 14.027 min Scan# 3553

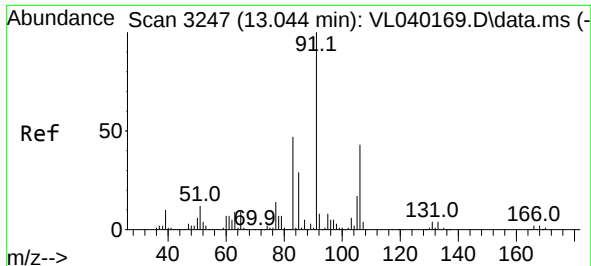
Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion:105 Resp: 2509
 Ion Ratio Lower Upper
 105 100
 120 58.5 20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.015 ppbv

RT: 13.056 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

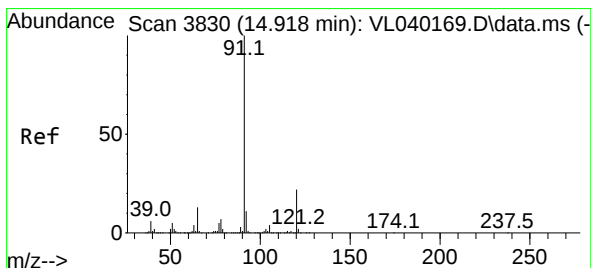
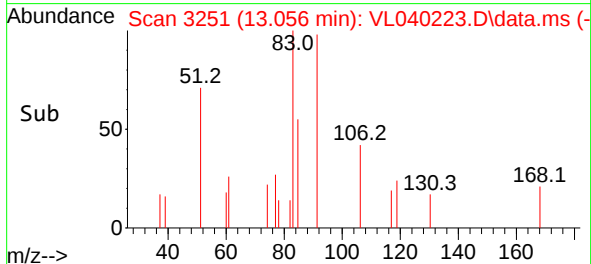
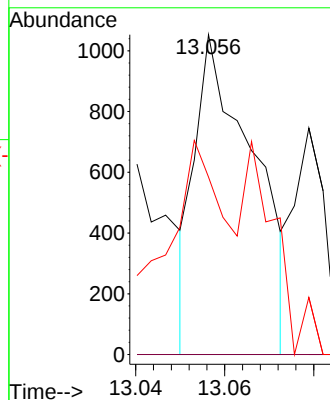
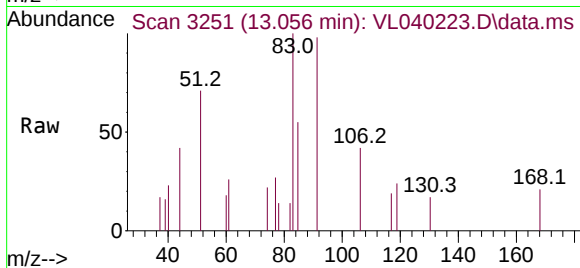
Tgt Ion: 83 Resp: 957

Ion Ratio Lower Upper

83 100

131 0.0 4.4 13.2#

85 119.9 33.0 99.0#



#64

n-propylbenzene

Concen: 0.002 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. -0.006 min

Lab File: VL040223.D

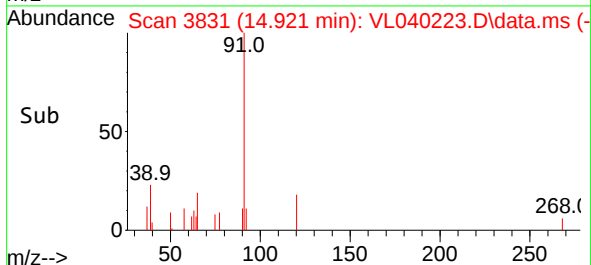
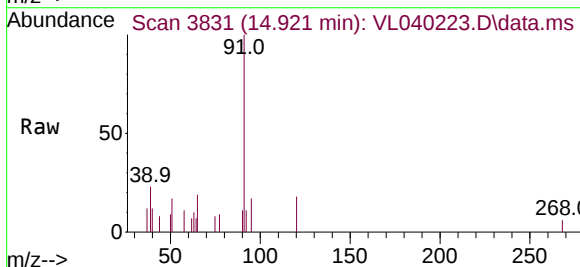
Acq: 23 Feb 2023 15:04

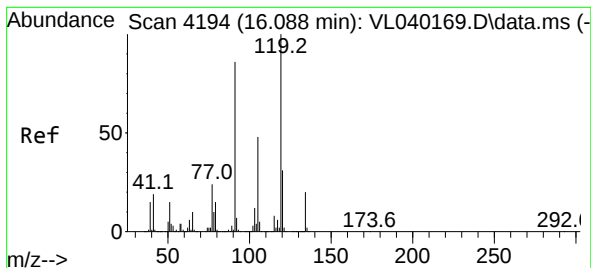
Tgt Ion: 120 Resp: 115

Ion Ratio Lower Upper

120 100

91 5303.5 389.8 584.8#

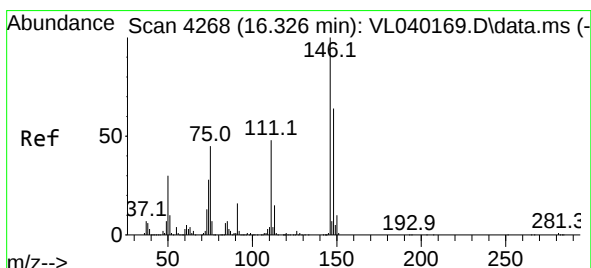
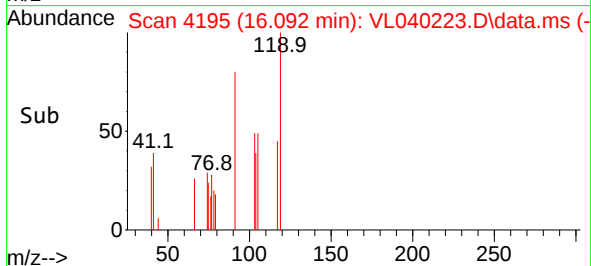
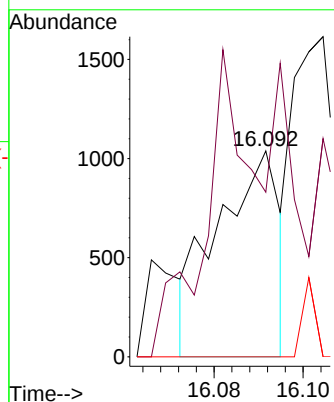
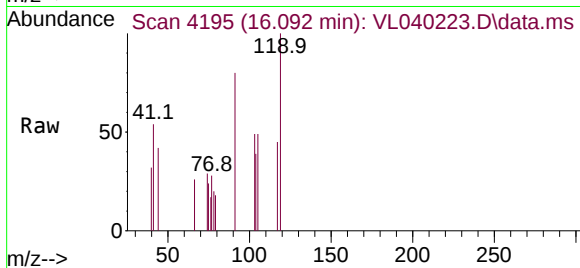




#65
tert-Butylbenzene
Concen: 0.005 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. -0.010 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

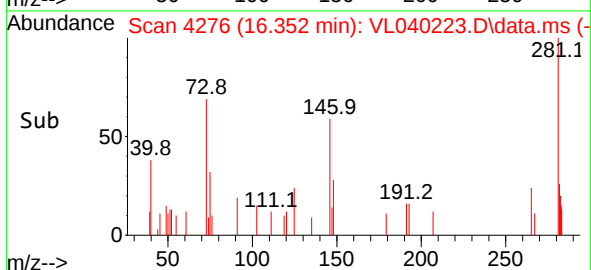
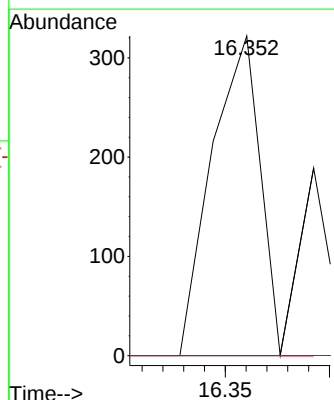
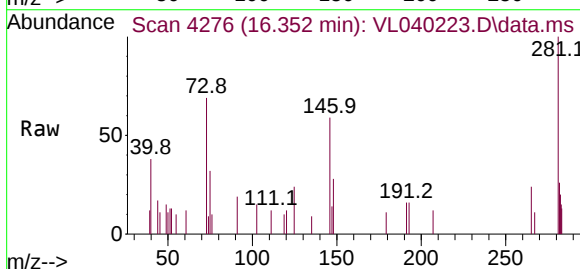
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

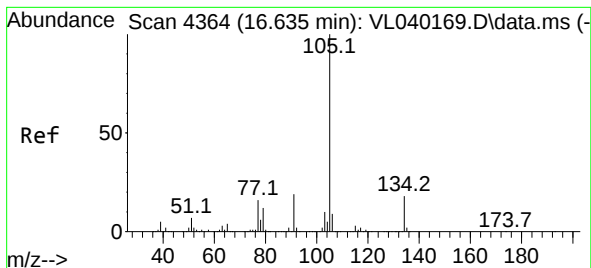
Tgt Ion:119 Resp: 1007
Ion Ratio Lower Upper
119 100
91 316.3 68.6 102.8#
134 0.0 15.9 23.9#



#66
Benzyl Chloride
Concen: 0.007 ppbv
RT: 16.352 min Scan# 4276
Delta R.T. 0.013 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 91 Resp: 104
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.005 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

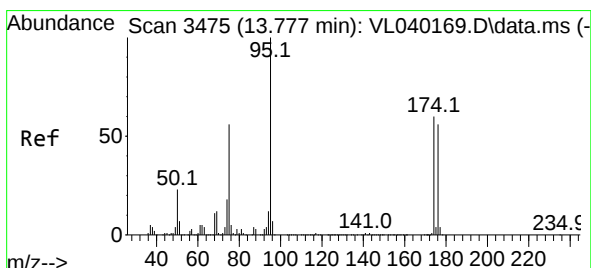
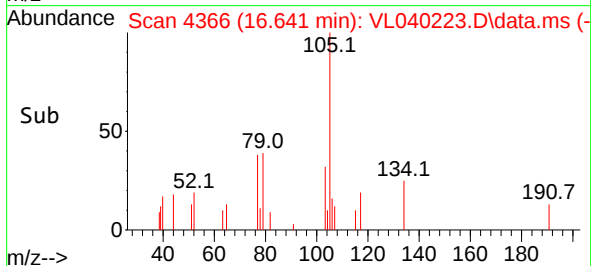
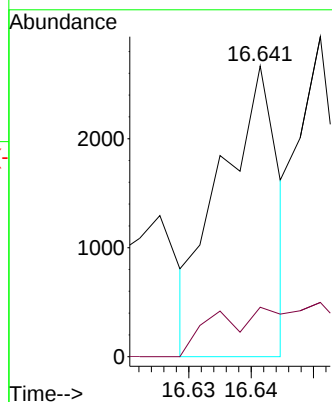
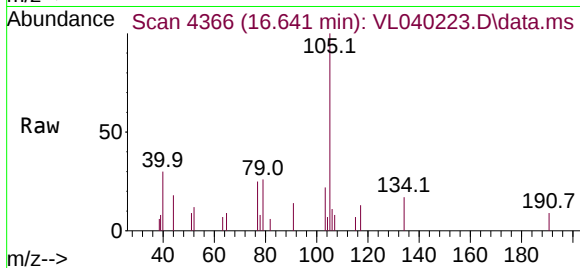
MDL-AIR-03-QT1-2023

Tgt Ion:105 Resp: 1710

Ion Ratio Lower Upper

105 100

134 0.0 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.225 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

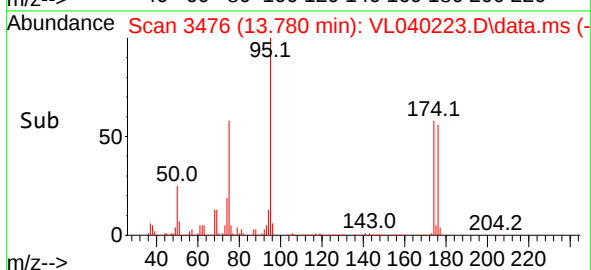
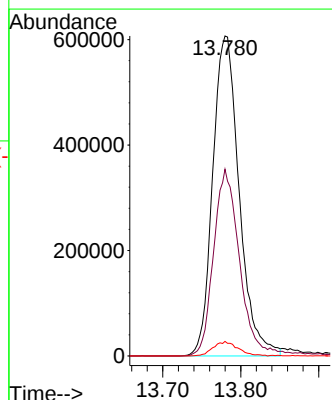
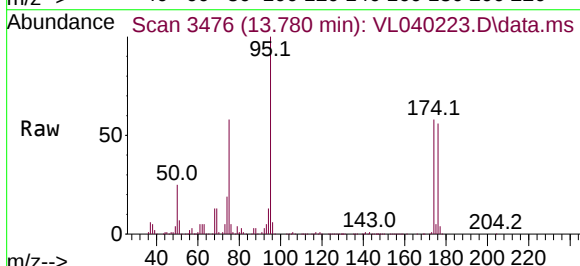
Tgt Ion: 95 Resp: 1433890

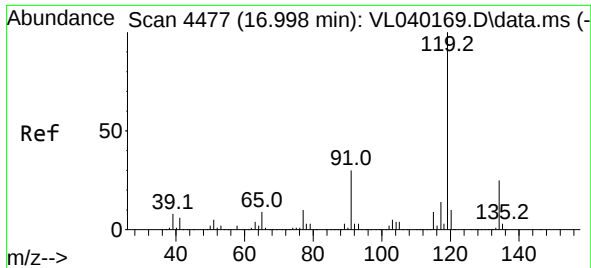
Ion Ratio Lower Upper

95 100

174 58.4 48.2 72.2

175 4.3 3.4 5.2

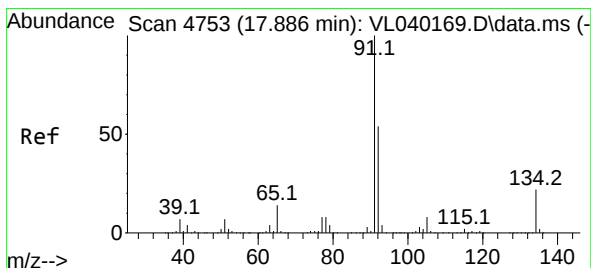
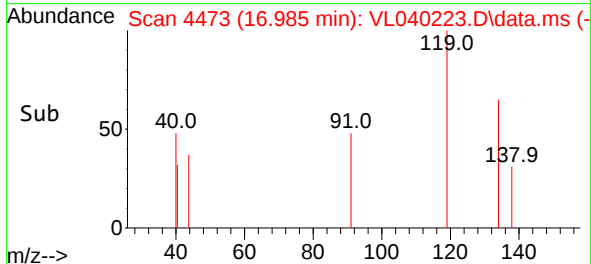
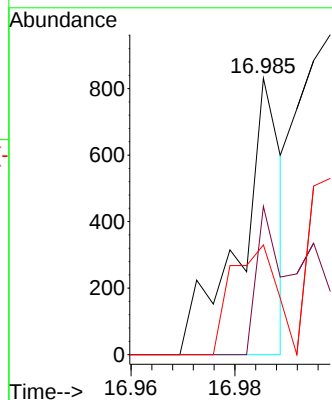
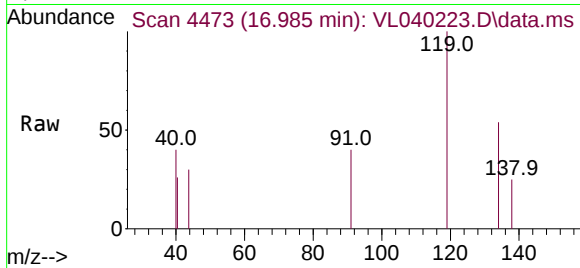




#69
p-Isopropyltoluene
Concen: 0.002 ppbv
RT: 16.985 min Scan# 4477
Delta R.T. -0.019 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

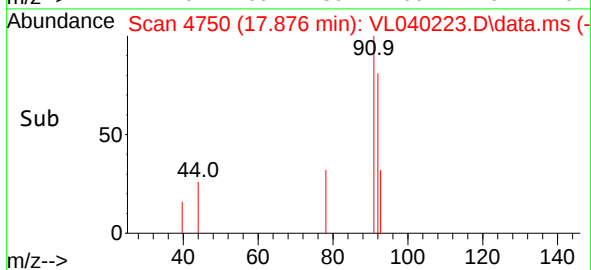
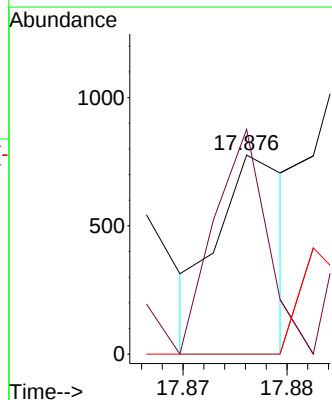
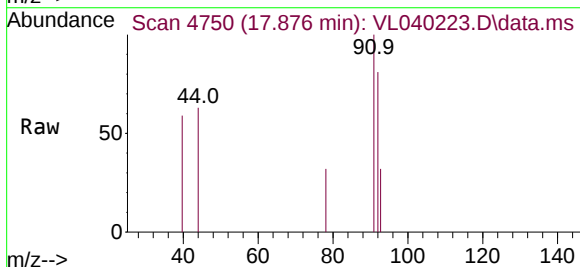
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

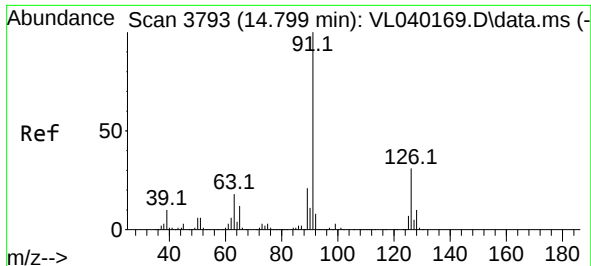
Tgt Ion:119 Resp: 457
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 0.0 24.7 37.1#



#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 17.876 min Scan# 4750
Delta R.T. -0.019 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 91 Resp: 362
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6#
134 0.0 16.9 25.3#

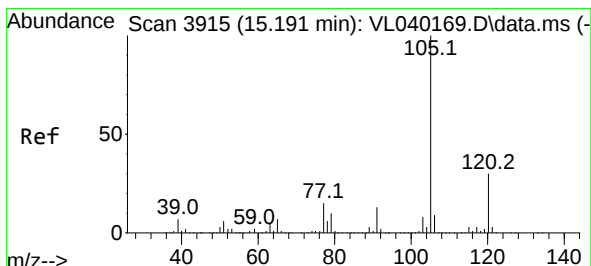
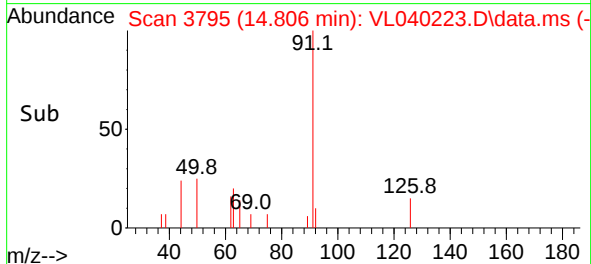
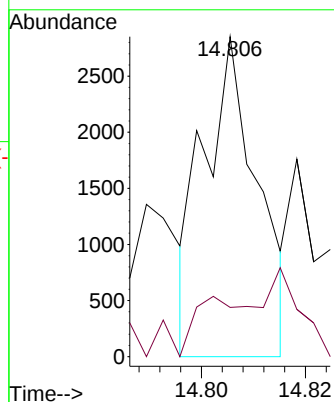
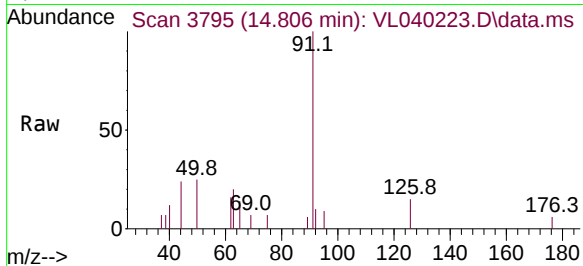




#71
2-Chlorotoluene
Concen: 0.011 ppbv
RT: 14.806 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

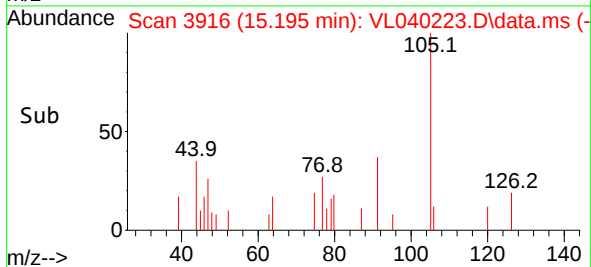
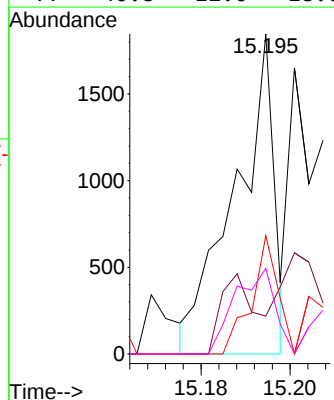
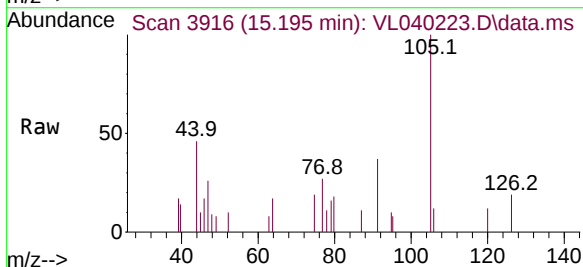
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT1-2023

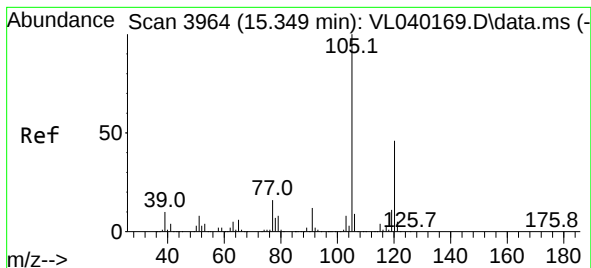
Tgt Ion: 91 Resp: 2042
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.006 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion: 105 Resp: 1122
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 38.1 11.3 16.9#
77 40.8 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.007 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. -0.010 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

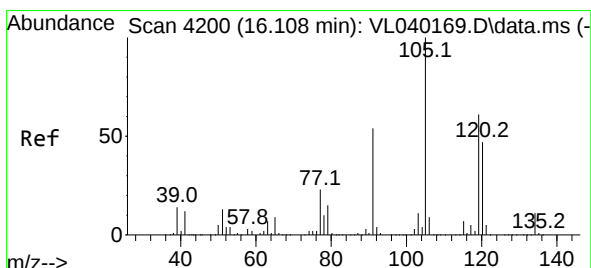
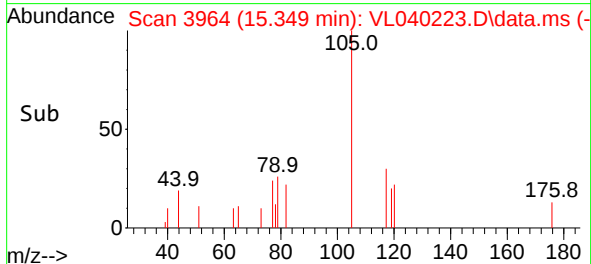
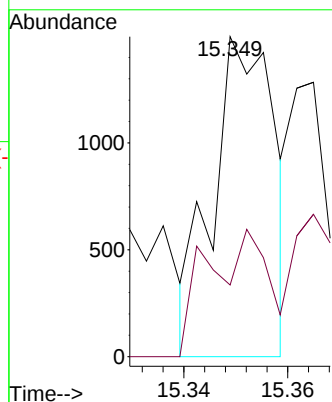
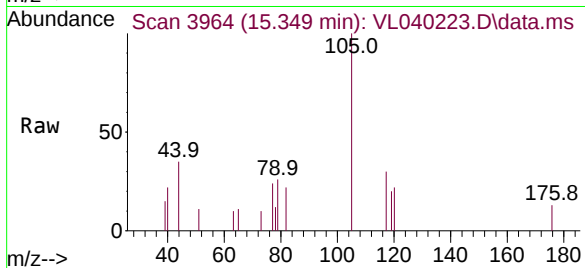
MDL-AIR-03-QT1-2023

Tgt Ion:105 Resp: 1233

Ion Ratio Lower Upper

105 100

120 29.0 36.8 55.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.006 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. -0.013 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

Tgt Ion:105 Resp: 1203

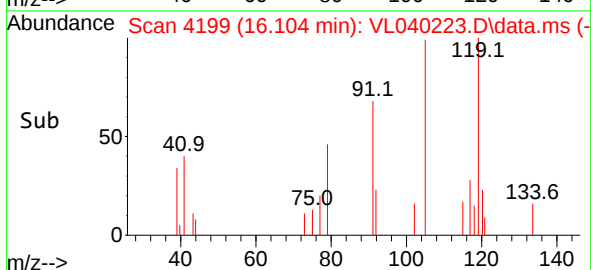
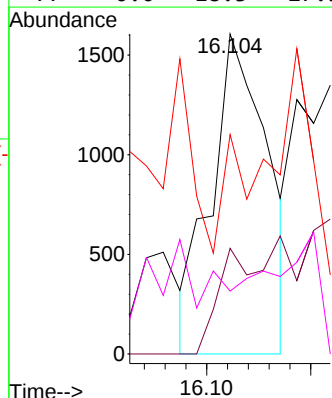
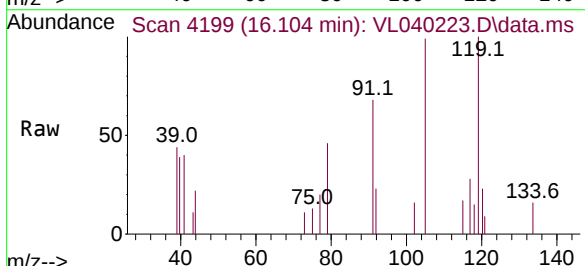
Ion Ratio Lower Upper

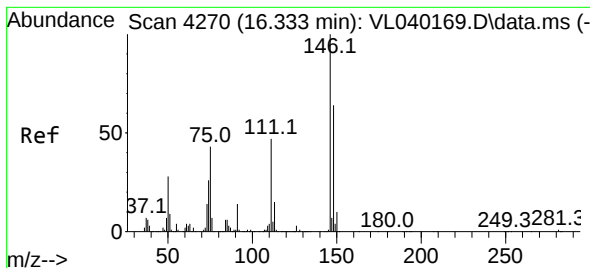
105 100

120 41.1 37.9 56.9

91 15.7 43.7 65.5#

77 0.0 18.3 27.5#





#75

1,3-Dichlorobenzene

Concen: 0.009 ppbv

RT: 16.336 min Scan# 4315

Delta R.T. -0.006 min

Lab File: VL040223.D

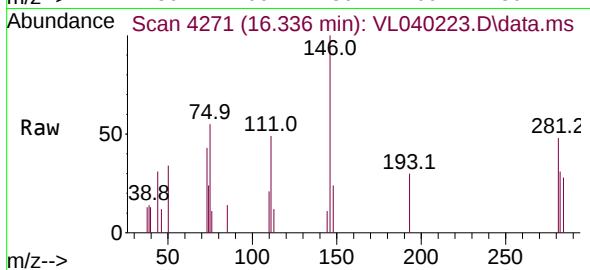
Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



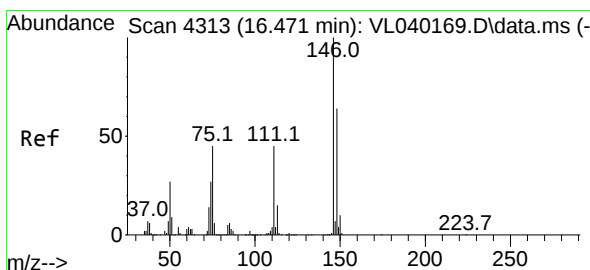
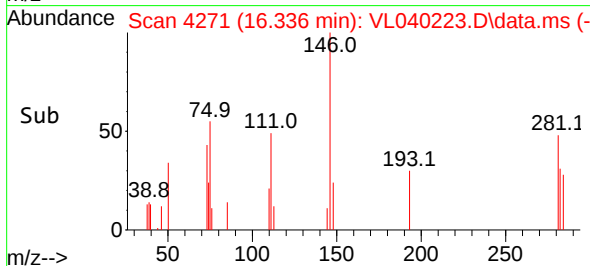
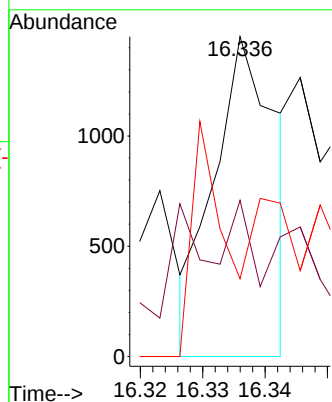
Tgt Ion:146 Resp: 997

Ion Ratio Lower Upper

146 100

111 0.0 23.9 71.8#

148 150.2 32.1 96.5#



#76

1,4-Dichlorobenzene

Concen: 0.014 ppbv

RT: 16.477 min Scan# 4315

Delta R.T. -0.003 min

Lab File: VL040223.D

Acq: 23 Feb 2023 15:04

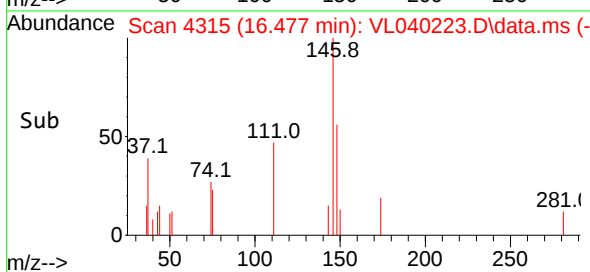
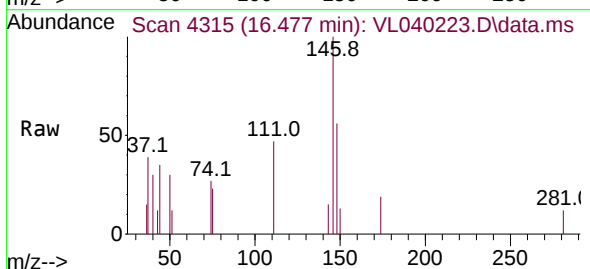
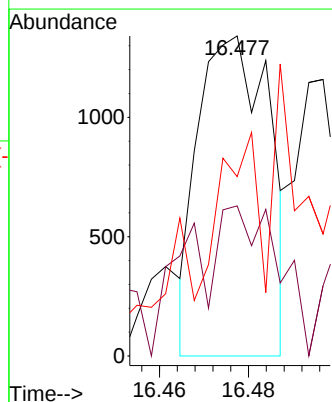
Tgt Ion:146 Resp: 1484

Ion Ratio Lower Upper

146 100

111 76.7 23.5 70.5#

148 0.0 32.5 97.4#

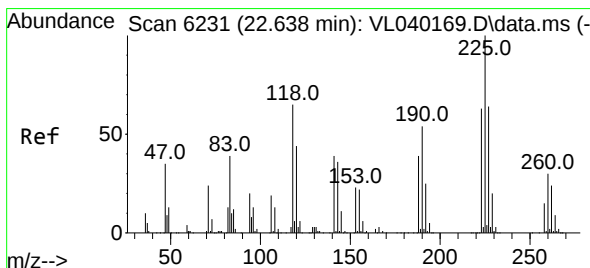
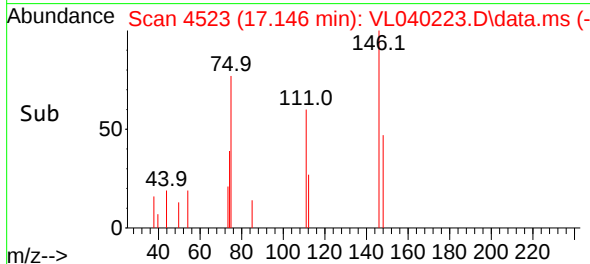
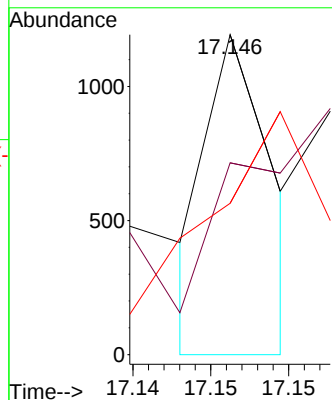
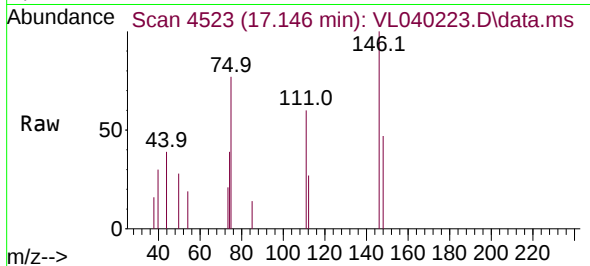




#77
1,2-Dichlorobenzene
Concen: 0.003 ppbv
RT: 17.146 min Scan# 4523
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

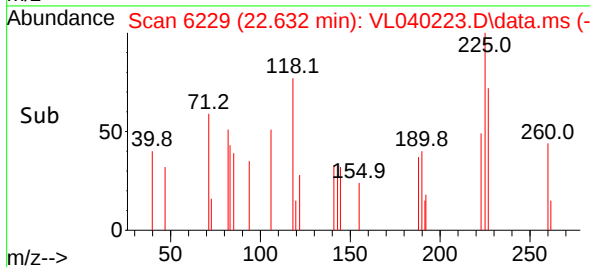
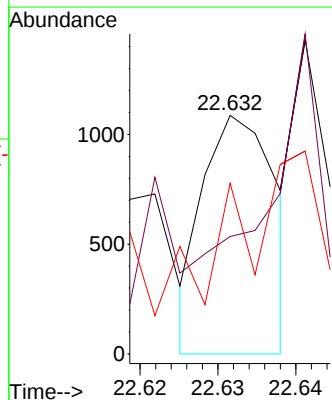
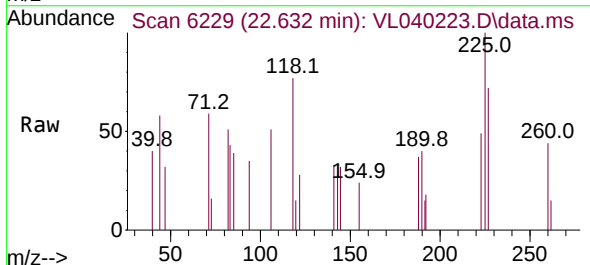
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

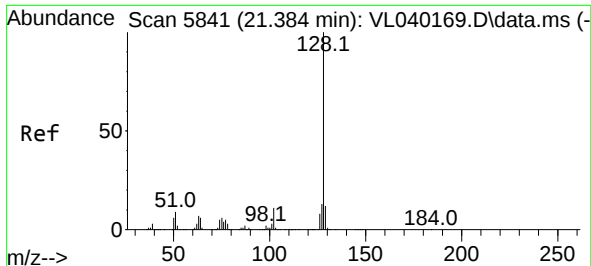
Tgt Ion:146 Resp: 348
Ion Ratio Lower Upper
146 100
111 0.0 25.3 75.8#
148 0.0 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.009 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. -0.016 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion:225 Resp: 705
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

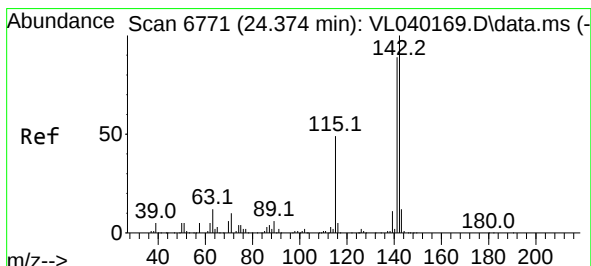
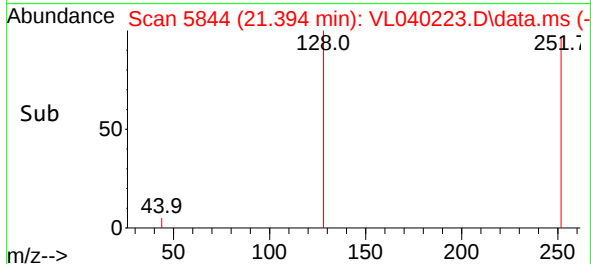
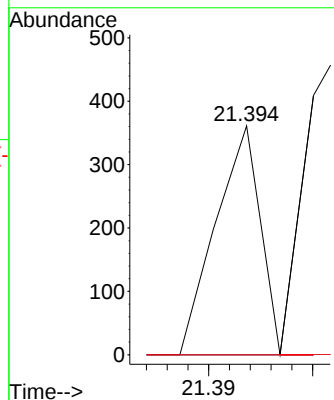
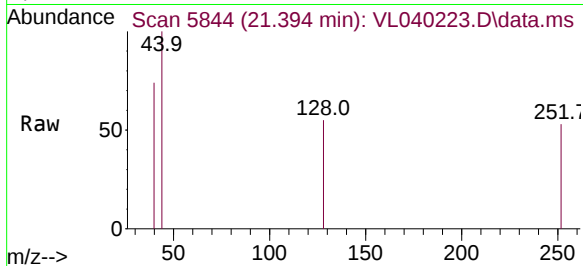




#79
Naphthalene
Concen: 0.001 ppbv
RT: 21.394 min Scan# 5841
Delta R.T. -0.006 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

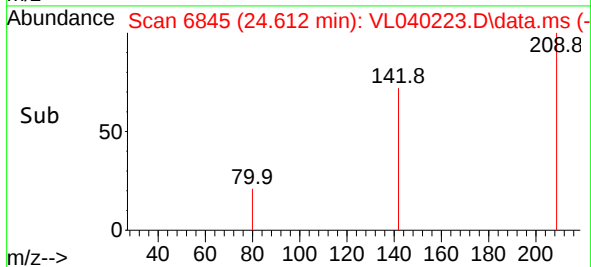
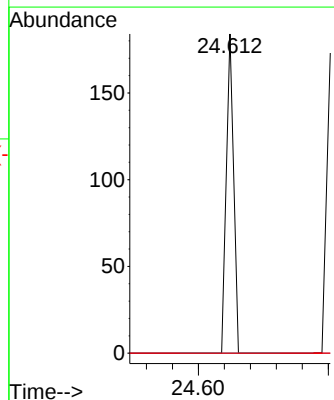
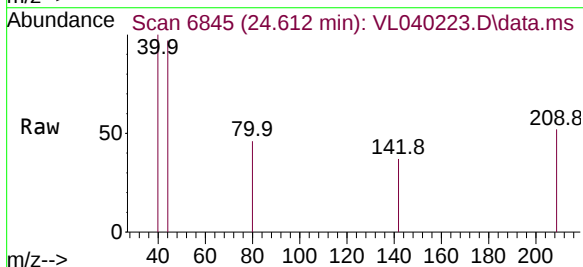
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

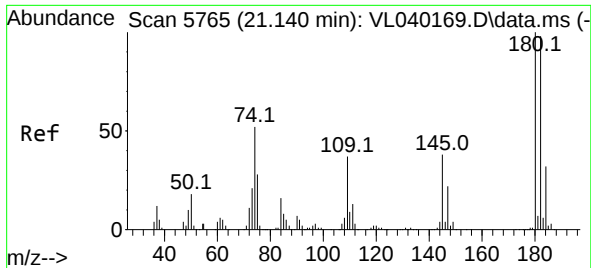
Tgt Ion:128 Resp: 108
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 24.612 min Scan# 6845
Delta R.T. 0.228 min
Lab File: VL040223.D
Acq: 23 Feb 2023 15:04

Tgt Ion:142 Resp: 35
Ion Ratio Lower Upper
142 100
141 180.0 67.3 100.9#
115 0.0 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.001 ppbv

RT: 21.130 min Scan# 51

Delta R.T. -0.019 min

Lab File: VL040223.D

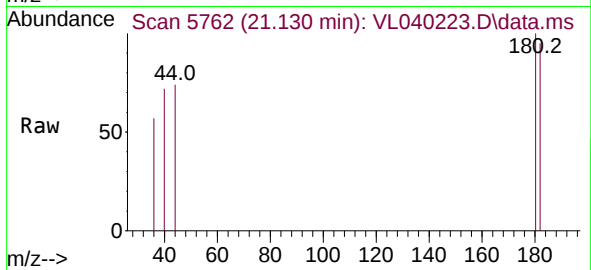
Acq: 23 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 83

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 0.0 24.6 36.8#

