

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040220.D
 Acq On : 23 Feb 2023 13:12
 Operator : SY/MD
 Sample : 01627-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 24 01:02:16 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	5.189	49	824464	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2082376	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1837086	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1573219	10.414	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	75479	0.491	ppbv	97
3) Chlorodifluoromethane	2.665	51	45422	0.461	ppbv	98
4) Chloromethane	2.806	50	28881	0.467	ppbv	88
5) Vinyl Chloride	2.912	62	21166	0.426	ppbv	92
6) Bromomethane	3.108	94	4371	0.244	ppbv	93
7) Chloroethane	3.192	64	7843	0.398	ppbv	93
8) Dichlorotetrafluoroethane	2.848	85	60819	0.459	ppbv	98
9) Propene	2.687	41	17080	0.425	ppbv	99
10) Heptane	7.581	43	33587	0.351	ppbv	97
11) Trichlorofluoromethane	3.555	101	61567	0.447	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	47408	0.466	ppbv	99
13) Ethanol	3.247	45	1044	0.282	ppbv #	54
14) Bromoethene	3.359	108	16407	0.421	ppbv #	91
15) Acetone	3.478	43	49887	0.503	ppbv	94
16) 1,3-Butadiene	2.977	39	18782	0.414	ppbv	93
17) tert-Butyl alcohol	3.893	59	40224	0.444	ppbv #	91
18) 1,1-Dichloroethene	3.880	96	20090	0.455	ppbv	84
19) Isopropyl Alcohol	3.591	45	22539	0.478	ppbv #	86
20) Methylene Chloride	3.931	84	29675	0.574	ppbv	97
21) Allyl Chloride	3.989	41	27513	0.452	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	19323	0.422	ppbv #	87
23) Vinyl Acetate	4.632	43	8295	0.275	ppbv #	62
24) 1,1-Dichloroethane	4.558	63	42805	0.455	ppbv #	93
25) Ethyl Acetate	5.211	43	77844	0.422	ppbv	97
26) Hexane	5.211	57	32260	0.407	ppbv	90
27) Carbon Disulfide	4.118	76	36704	0.365	ppbv #	83
28) Methyl tert-Butyl Ether	4.594	73	34585	0.407	ppbv	94
29) Chloroform	5.272	83	57793	0.425	ppbv	92
30) Cyclohexane	6.603	84	21110	0.339	ppbv #	82
31) cis-1,2-Dichloroethene	5.076	61	28714	0.382	ppbv #	85
32) 1,1,1-Trichloroethane	5.999	97	56764	0.444	ppbv	100
34) 2-Butanone	4.796	43	45526	0.443	ppbv	96
35) Carbon Tetrachloride	6.494	117	52623	0.427	ppbv	97
36) Benzene	6.369	78	63597	0.392	ppbv #	91
37) 1,2-Dichloroethane	5.803	62	45027	0.444	ppbv	99
38) Trichloroethene	7.291	130	34905	0.391	ppbv #	90
39) 1,2-Dichloropropane	7.073	63	26922	0.427	ppbv	94
40) 1,4-Dioxane	7.256	88	114	0.005	ppbv #	1
41) Tetrahydrofuran	5.581	42	15499	0.260	ppbv #	50
42) Bromodichloromethane	7.250	83	53214	0.380	ppbv	94
43) Methyl Methacrylate	7.481	69	12831	0.214	ppbv #	29
44) 2,2,4-Trimethylpentane	7.327	57	103181	0.381	ppbv	93
45) t-1,3-Dichloropropene	8.706	75	10657	0.200	ppbv	100

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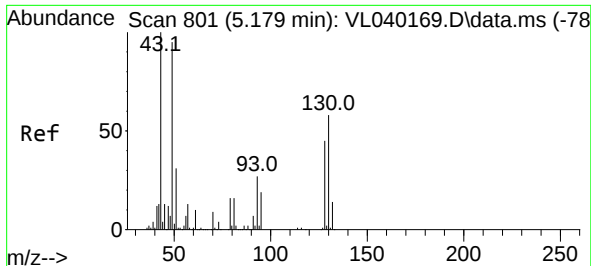
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	22688	0.306	ppbv #	85
47) 1,1,2-Trichloroethane	8.896	97	29118	0.427	ppbv #	84
48) Dibromochloromethane	9.709	129	37503	0.344	ppbv	97
49) Bromoform	12.413	173	19792	0.233	ppbv #	73
50) 4-Methyl-2-Pentanone	8.205	43	58724	0.368	ppbv	97
51) 2-Hexanone	9.584	43	24488	0.200	ppbv #	71
52) Tetrachloroethene	10.613	164	11735	0.232	ppbv	96
53) Toluene	9.227	91	31732	0.183	ppbv #	29
54) 1,2-Dibromoethane	10.012	107	24922	0.351	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.510	131	18150	0.235	ppbv #	21
57) Chlorobenzene	11.529	112	60634	0.452	ppbv #	83
58) Ethyl Benzene	12.092	91	74658	0.334	ppbv	97
59) m/p-Xylene	12.368	91	27286	0.138	ppbv #	33
60) o-Xylene	13.063	91	40241	0.212	ppbv #	33
61) Styrene	12.899	104	12926	0.129	ppbv #	27
62) Isopropylbenzene	14.040	105	109778	0.402	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	17969	0.262	ppbv #	32
64) n-propylbenzene	14.925	120	24394	0.361	ppbv	73
65) tert-Butylbenzene	16.098	119	84793	0.357	ppbv #	84
66) Benzyl Chloride	16.330	91	1123	0.071	ppbv #	67
67) sec-Butylbenzene	16.645	105	125947	0.370	ppbv	99
69) p-Isopropyltoluene	17.005	119	92085	0.341	ppbv	95
70) n-Butylbenzene	17.896	91	59135	0.202	ppbv #	53
71) 2-Chlorotoluene	14.809	91	67475	0.323	ppbv	96
72) 4-Ethyltoluene	15.198	105	33303	0.158	ppbv #	40
73) 1,3,5-Trimethylbenzene	15.355	105	67019	0.343	ppbv	93
74) 1,2,4-Trimethylbenzene	16.114	105	78708	0.366	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	23669	0.201	ppbv #	19
76) 1,4-Dichlorobenzene	16.474	146	18012	0.156	ppbv #	23
77) 1,2-Dichlorobenzene	17.156	146	44650	0.382	ppbv	93
78) Hexachloro-1,3-Butadiene	22.645	225	23738	0.296	ppbv #	61
79) Naphthalene	21.384	128	5675	0.047	ppbv #	84
80) Naphthalene,2-methyl-	24.435	142	4137	0.120	ppbv	87
81) 1,2,4-Trichlorobenzene	21.130	180	2138	0.028	ppbv #	11

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

Quant Time: Feb 24 01:02:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
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QLast Update : Fri Feb 24 00:45:34 2023
Response via : Initial Calibration

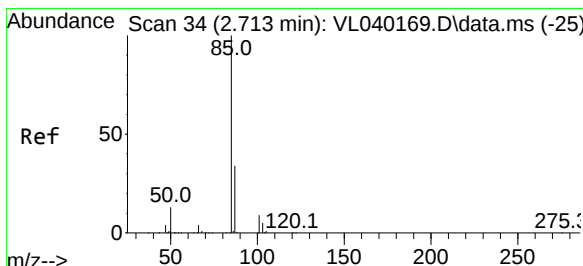
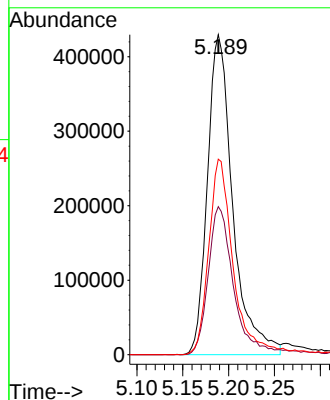
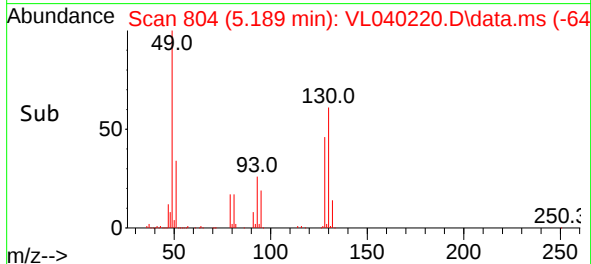
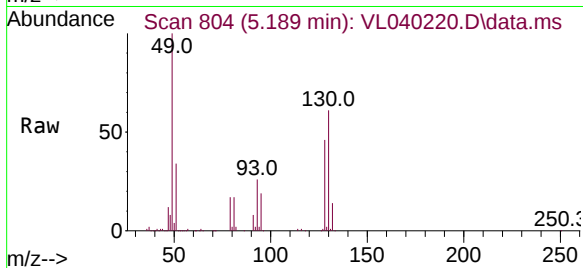




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

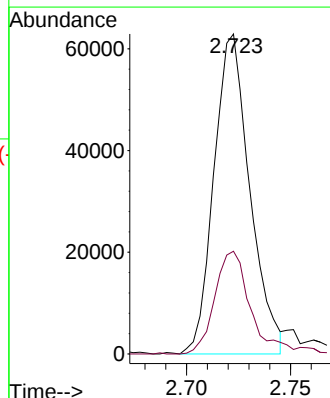
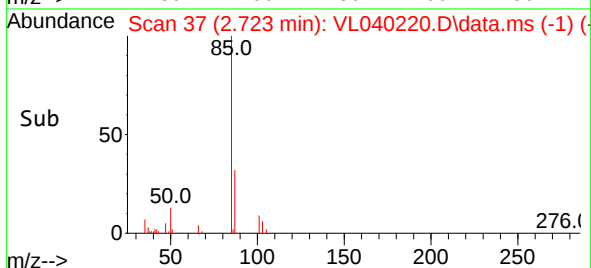
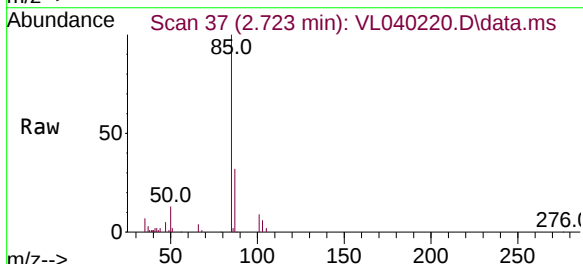
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

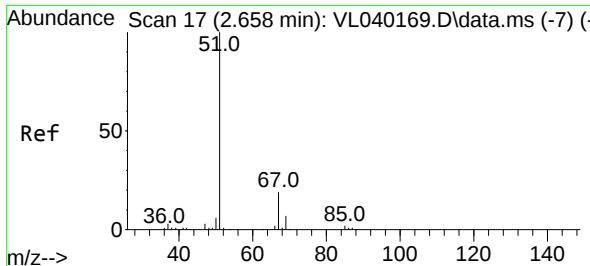
Tgt Ion: 49 Resp: 824464
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.5 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 85 Resp: 75479
Ion Ratio Lower Upper
85 100
87 32.1 27.0 40.6

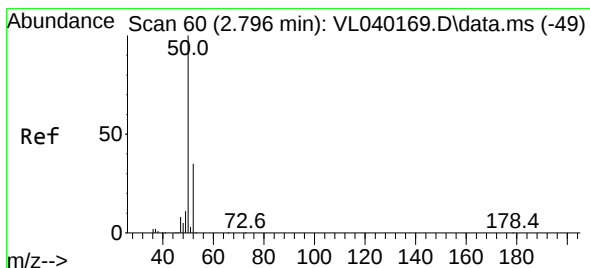
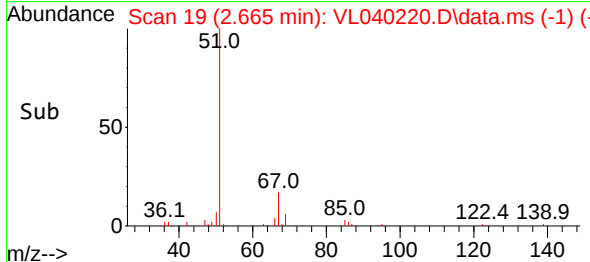
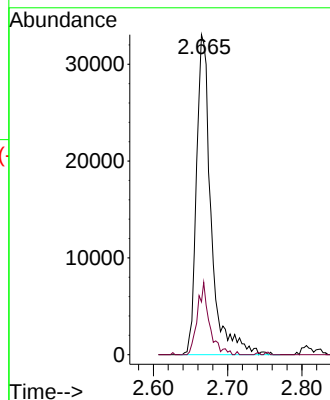
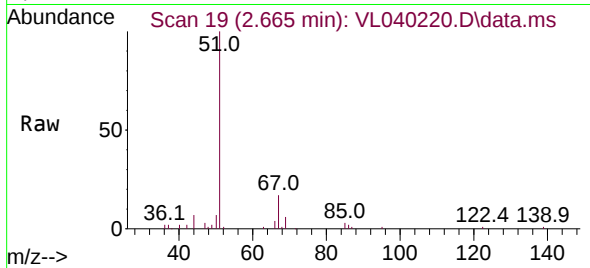




#3
Chlorodifluoromethane
Concen: 0.461 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

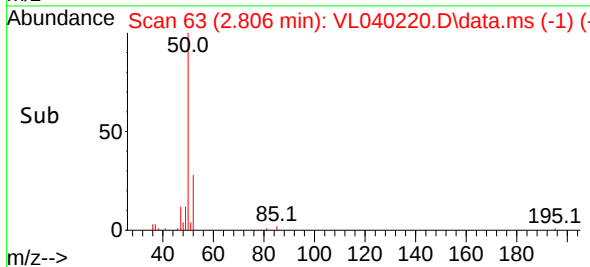
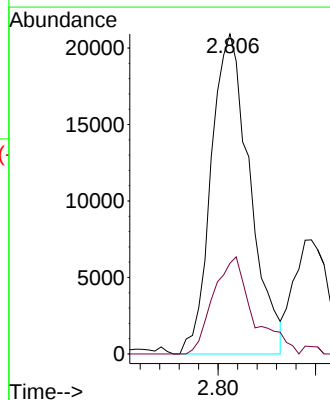
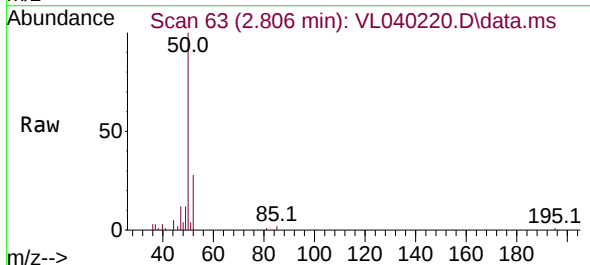
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

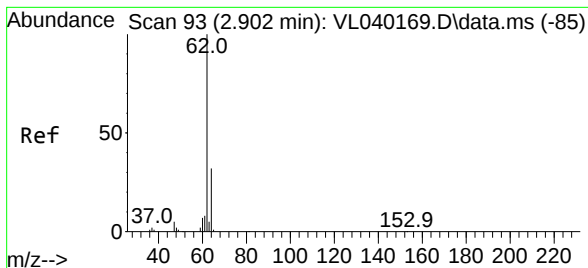
Tgt Ion: 51 Resp: 45422
Ion Ratio Lower Upper
51 100
67 18.5 15.4 23.2



#4
Chloromethane
Concen: 0.467 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 50 Resp: 28881
Ion Ratio Lower Upper
50 100
52 28.3 28.3 42.5





#5

Vinyl Chloride

Concen: 0.426 ppbv

RT: 2.912 min Scan# 90

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

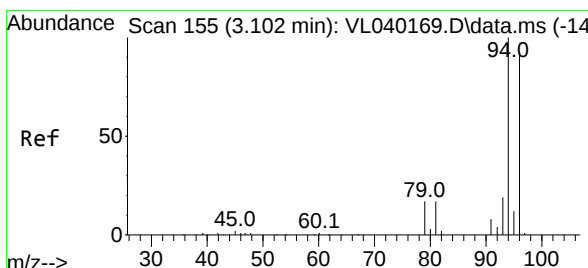
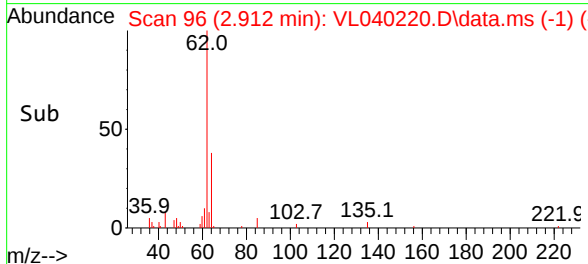
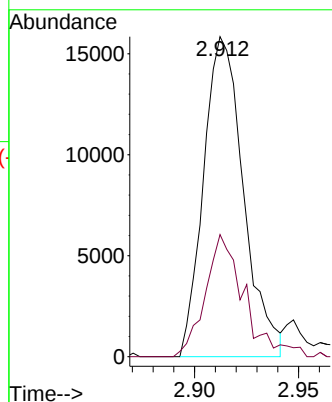
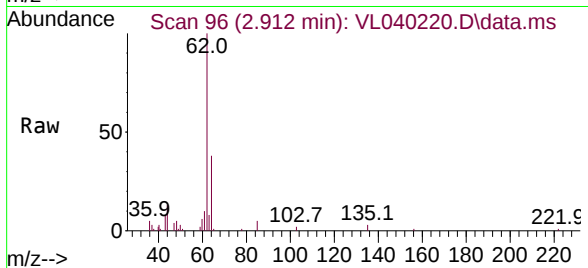
MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 21166

Ion Ratio Lower Upper

62 100

64 36.5 25.6 38.4



#6

Bromomethane

Concen: 0.244 ppbv

RT: 3.108 min Scan# 157

Delta R.T. -0.003 min

Lab File: VL040220.D

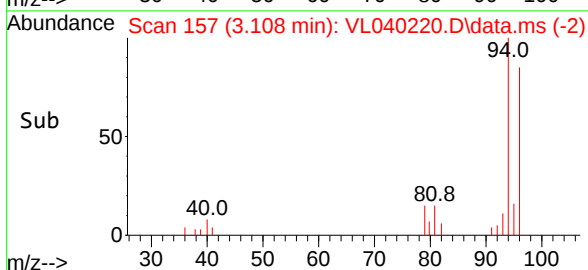
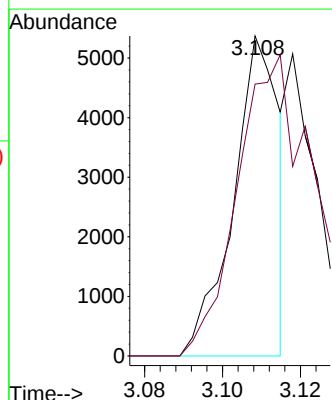
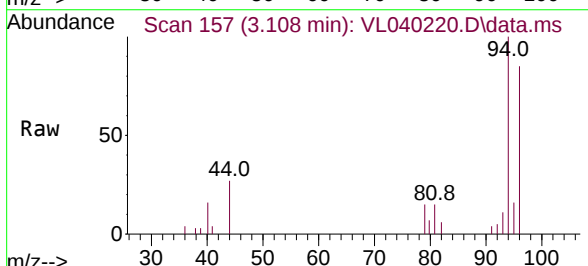
Acq: 23 Feb 2023 13:12

Tgt Ion: 94 Resp: 4371

Ion Ratio Lower Upper

94 100

96 84.9 73.4 110.2

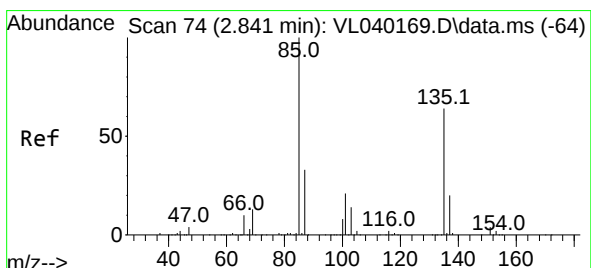
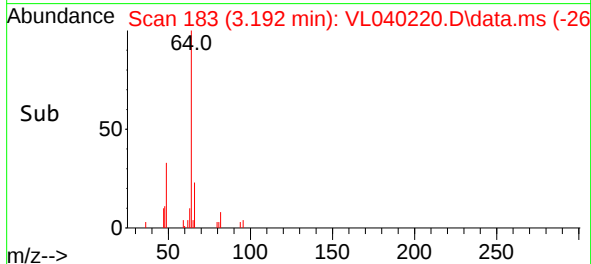
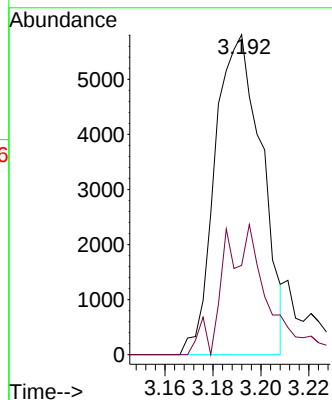
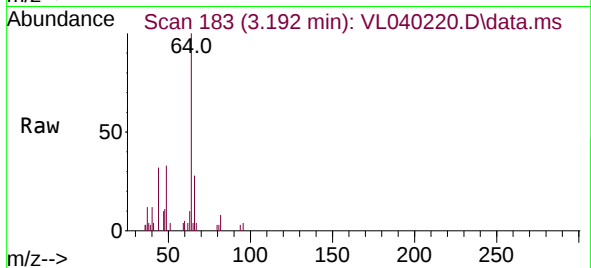




#7
Chloroethane
Concen: 0.398 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

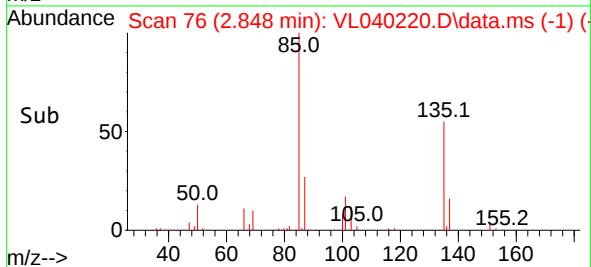
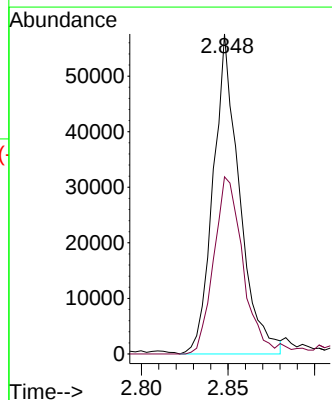
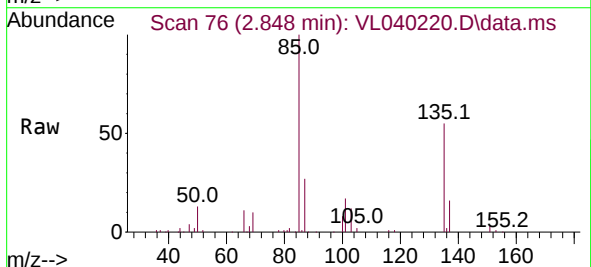
Instrument :
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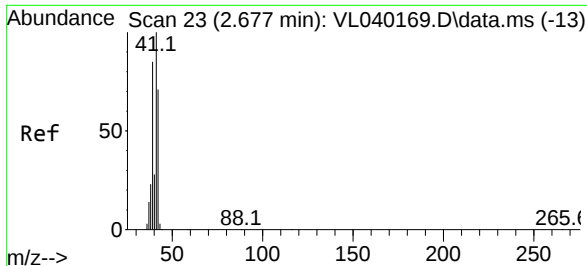
Tgt Ion: 64 Resp: 7843
Ion Ratio Lower Upper
64 100
66 27.9 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.459 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 85 Resp: 60819
Ion Ratio Lower Upper
85 100
135 65.7 51.5 77.3





#9

Propene

Concen: 0.425 ppbv

RT: 2.687 min Scan# 2

Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

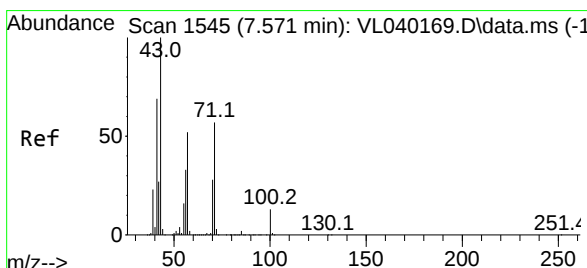
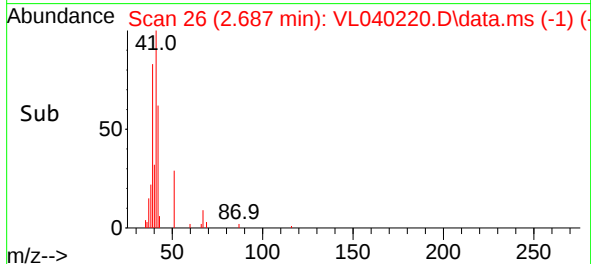
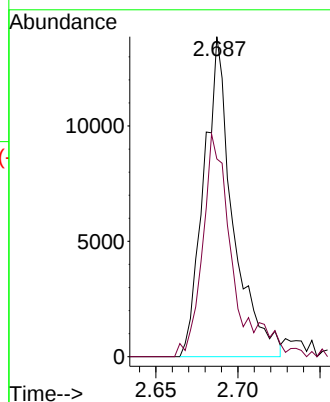
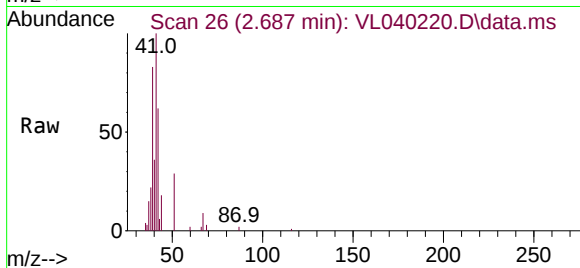
MDL-AIR-03-QT1-2023

Tgt Ion: 41 Resp: 17080

Ion Ratio Lower Upper

41 100

42 71.9 56.9 85.3



#10

Heptane

Concen: 0.351 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VL040220.D

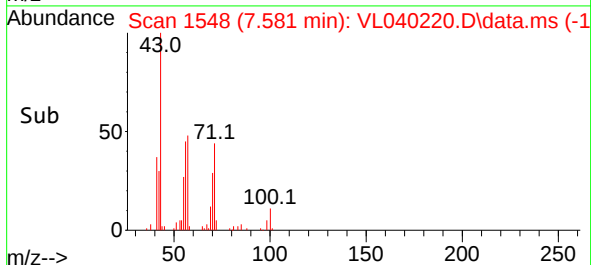
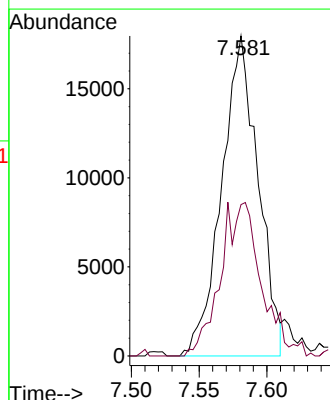
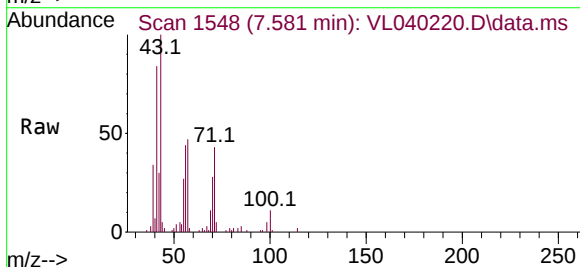
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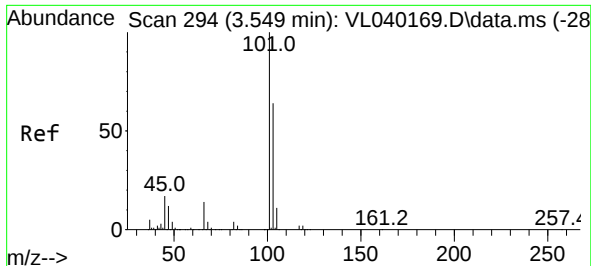
Tgt Ion: 43 Resp: 33587

Ion Ratio Lower Upper

43 100

57 53.8 41.4 62.2

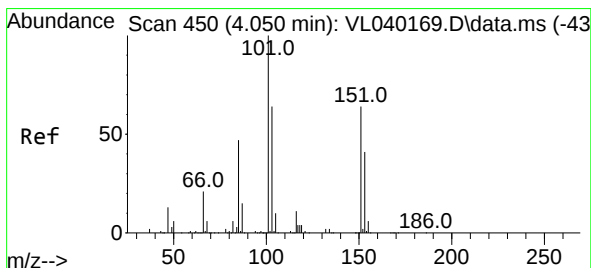
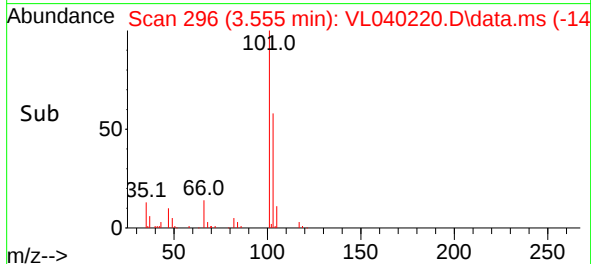
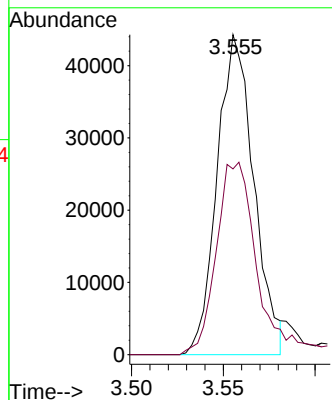
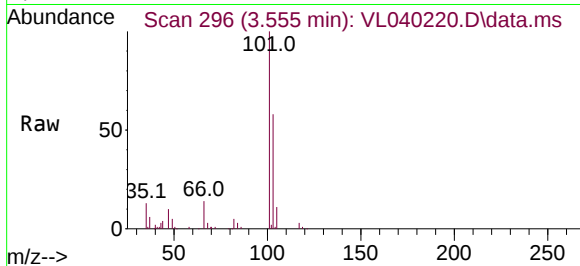




#11
 Trichlorofluoromethane
 Concen: 0.447 ppbv
 RT: 3.555 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

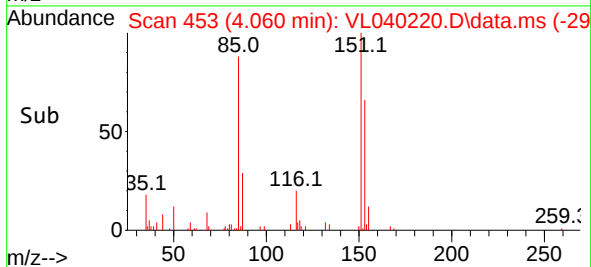
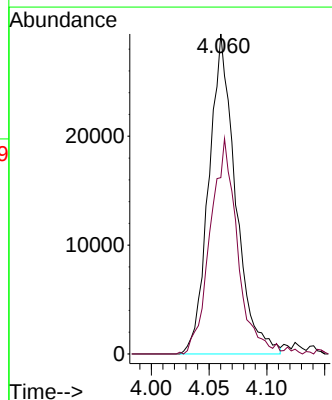
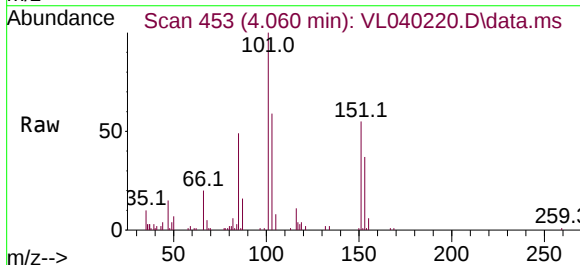
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

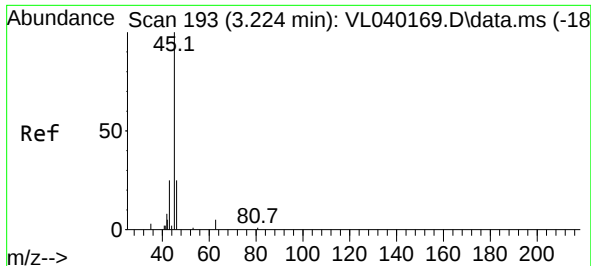
Tgt Ion:101 Resp: 61567
 Ion Ratio Lower Upper
 101 100
 103 58.1 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.466 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion:101 Resp: 47408
 Ion Ratio Lower Upper
 101 100
 151 69.1 54.7 82.1

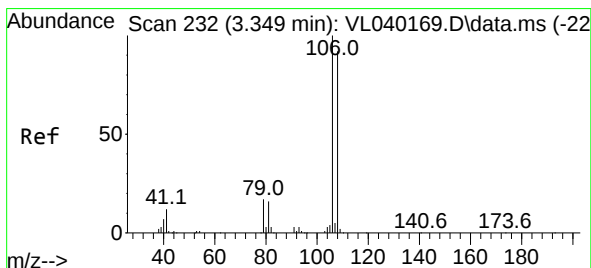
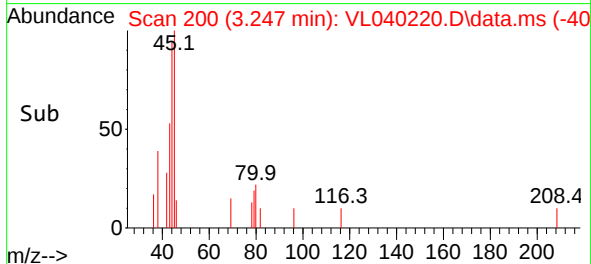
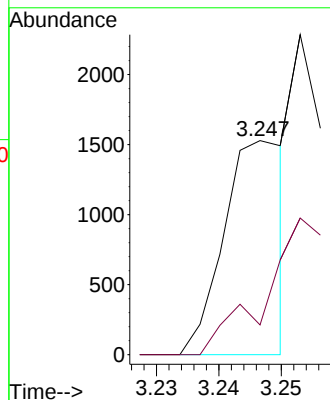
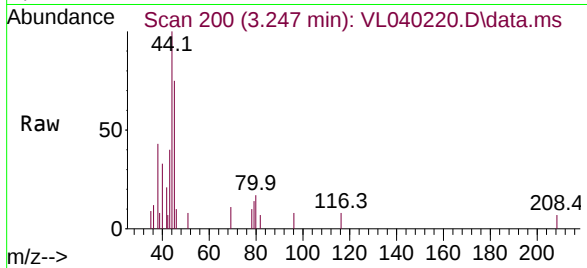




#13
Ethanol
Concen: 0.282 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.013 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

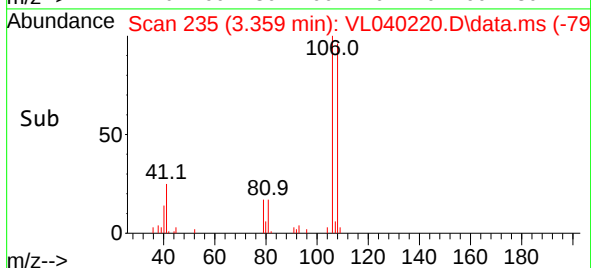
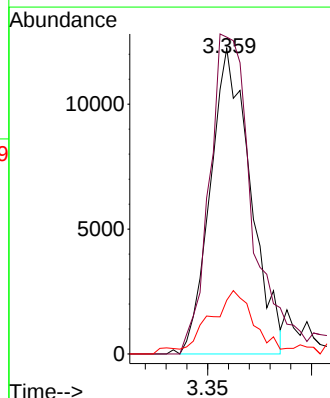
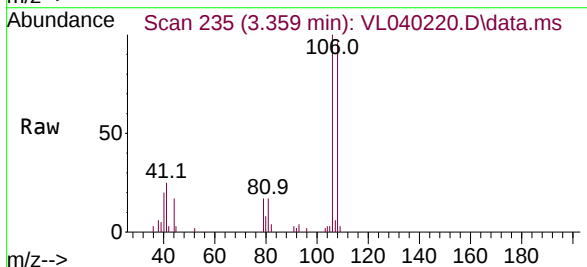
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 45 Resp: 1044
Ion Ratio Lower Upper
45 100
46 7.0 13.3 53.1#



#14
Bromoethene
Concen: 0.421 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:108 Resp: 16407
Ion Ratio Lower Upper
108 100
106 118.1 87.1 130.7
79 24.5 15.4 23.2#

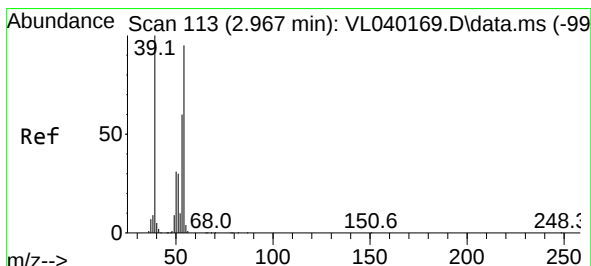
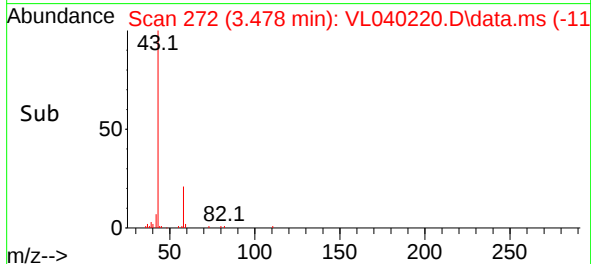
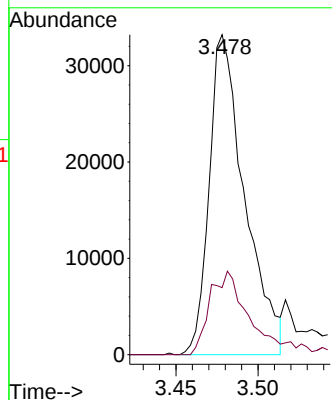
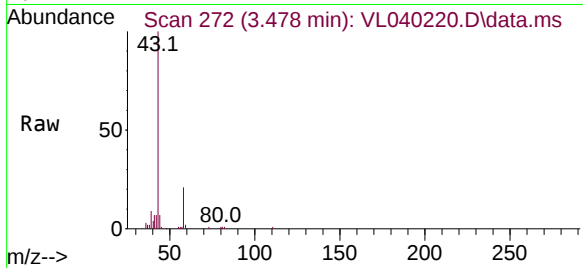




#15
Acetone
Concen: 0.503 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

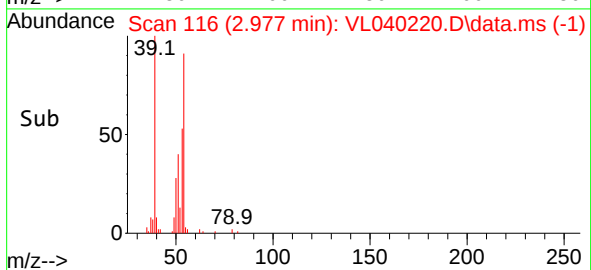
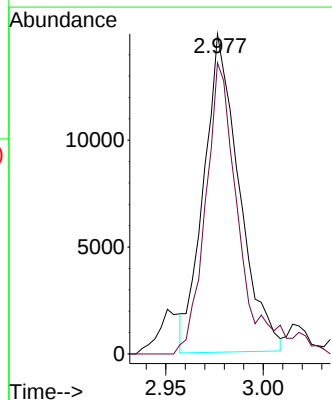
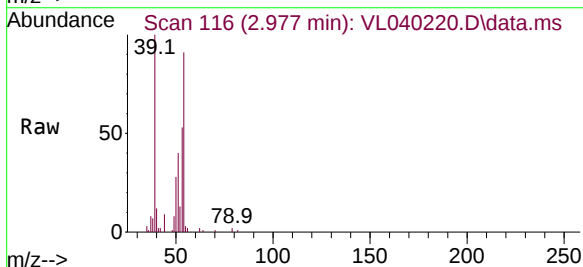
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

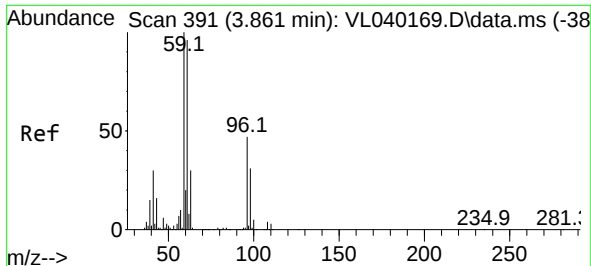
Tgt Ion: 43 Resp: 49887
Ion Ratio Lower Upper
43 100
58 31.1 22.4 33.6



#16
1,3-Butadiene
Concen: 0.414 ppbv
RT: 2.977 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 39 Resp: 18782
Ion Ratio Lower Upper
39 100
54 89.7 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.444 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.023 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

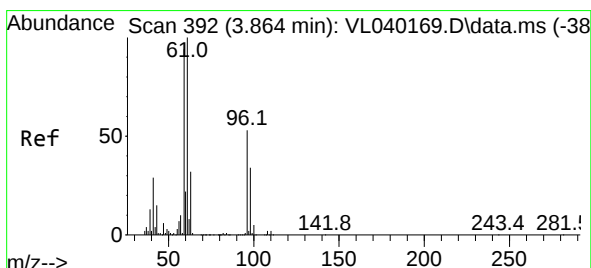
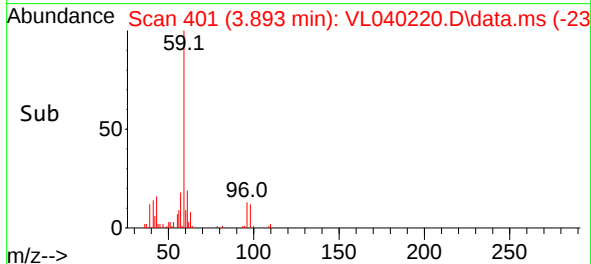
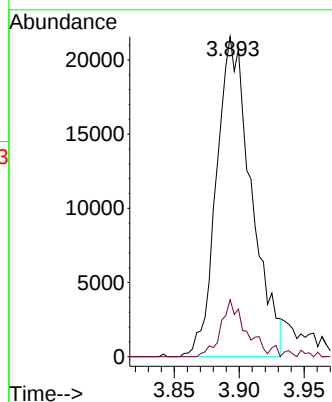
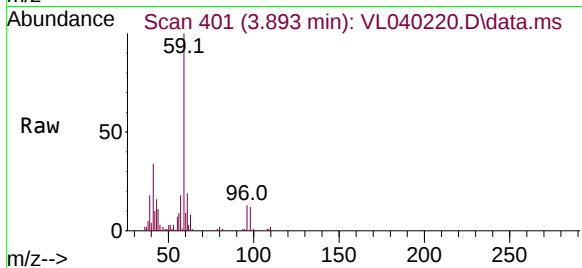
MDL-AIR-03-QT1-2023

Tgt Ion: 59 Resp: 40224

Ion Ratio Lower Upper

59 100

57 14.1 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.455 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.007 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

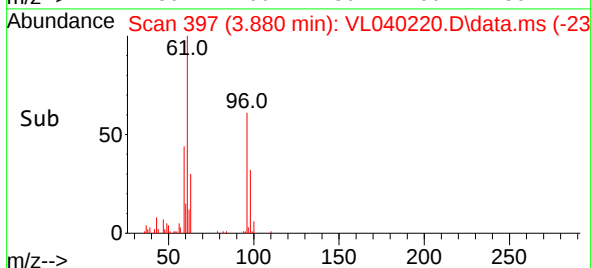
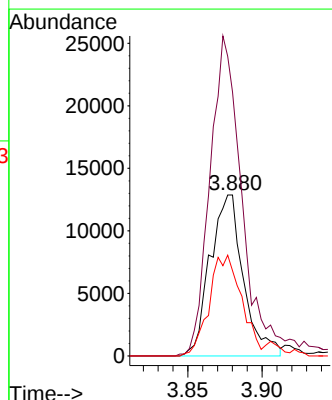
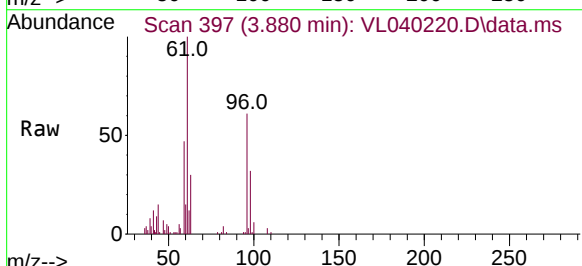
Tgt Ion: 96 Resp: 20090

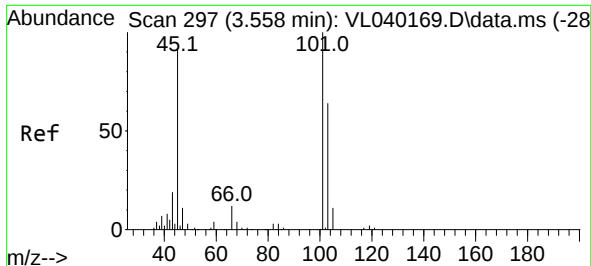
Ion Ratio Lower Upper

96 100

61 162.8 149.6 224.4

98 53.0 51.1 76.7

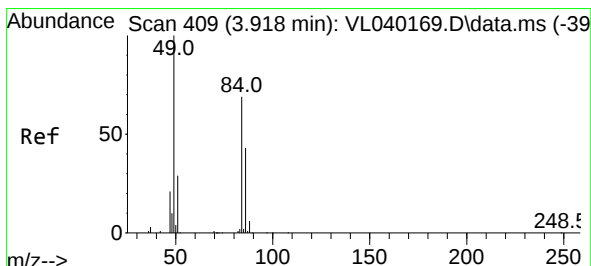
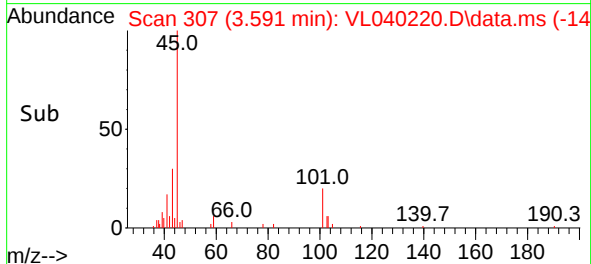
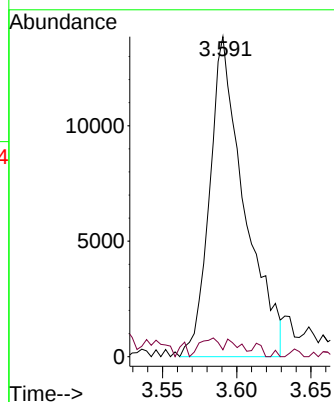
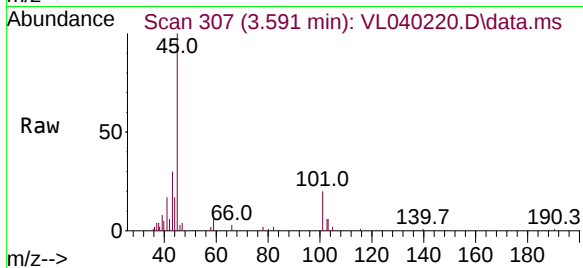




#19
Isopropyl Alcohol
Concen: 0.478 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.023 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

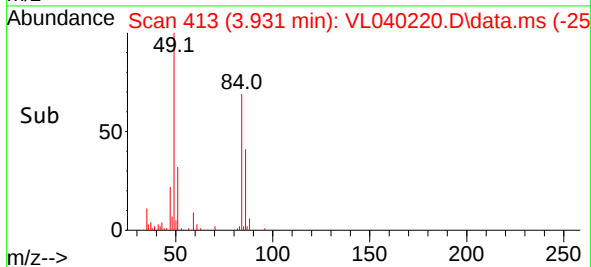
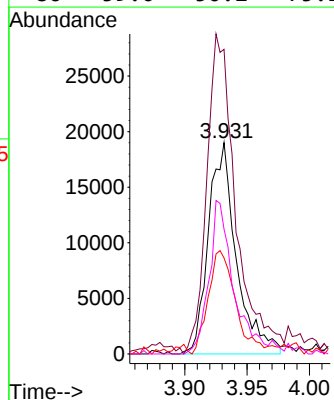
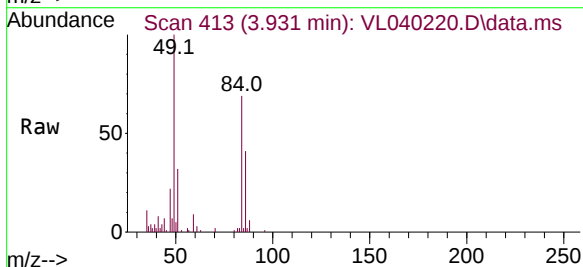
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

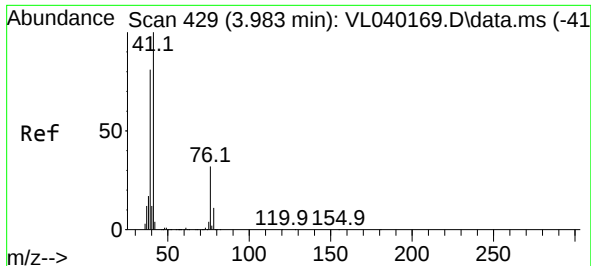
Tgt Ion: 45 Resp: 22539
Ion Ratio Lower Upper
45 100
58 7.7 2.6 3.8#



#20
Methylene Chloride
Concen: 0.574 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.007 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 84 Resp: 29675
Ion Ratio Lower Upper
84 100
49 141.2 115.5 173.3
51 42.4 33.1 49.7
86 59.0 50.2 75.2





#21

Allyl Chloride

Concen: 0.452 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

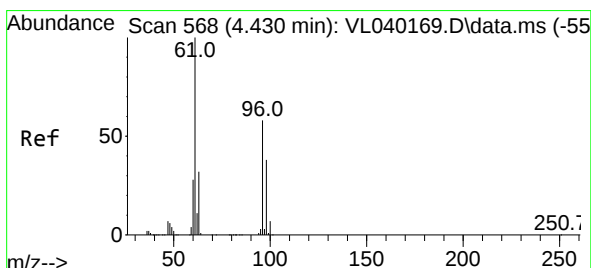
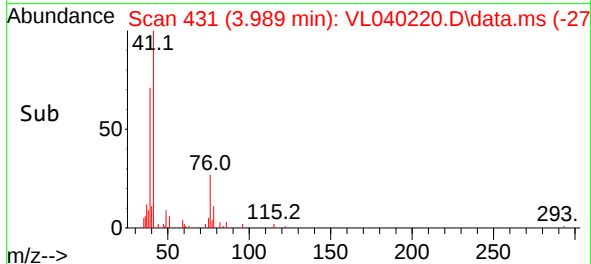
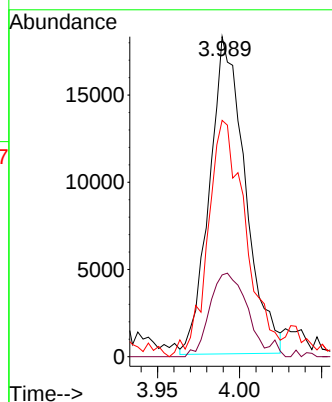
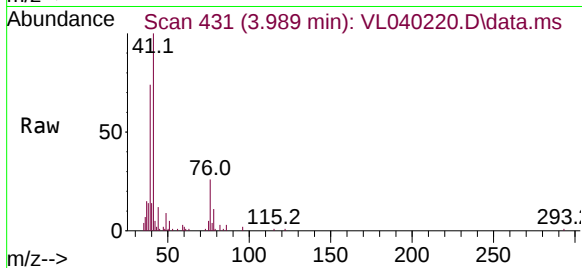
Tgt Ion: 41 Resp: 27513

Ion Ratio Lower Upper

41 100

76 28.5 25.5 38.3

39 87.2 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 0.422 ppbv

RT: 4.443 min Scan# 572

Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

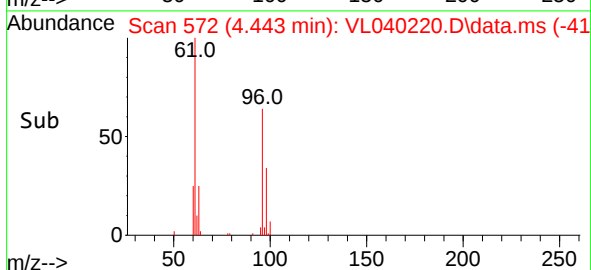
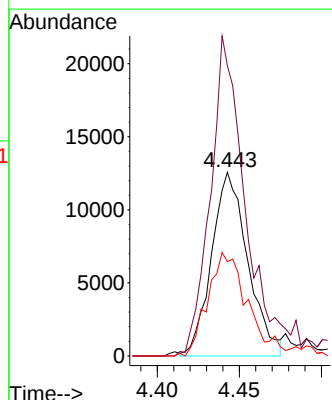
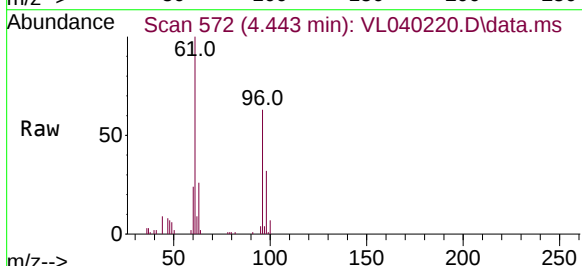
Tgt Ion: 96 Resp: 19323

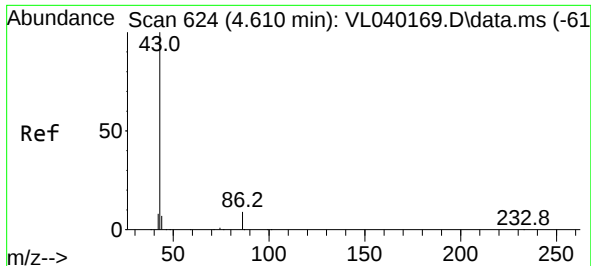
Ion Ratio Lower Upper

96 100

61 157.8 137.5 206.3

98 50.7 52.8 79.2#

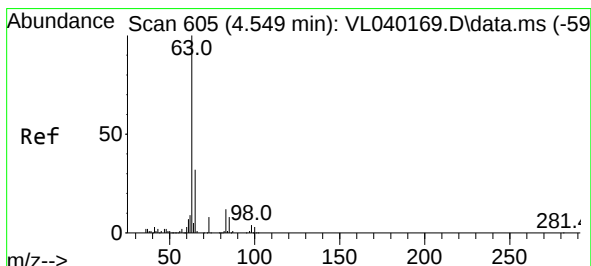
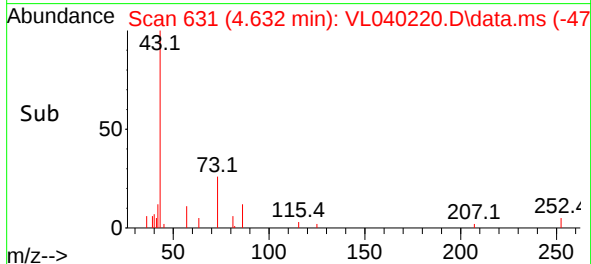
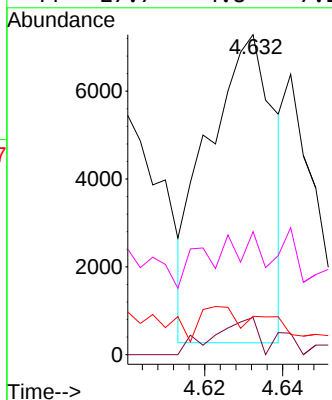
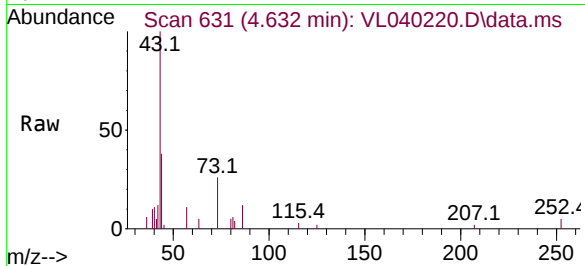




#23
 Vinyl Acetate
 Concen: 0.275 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

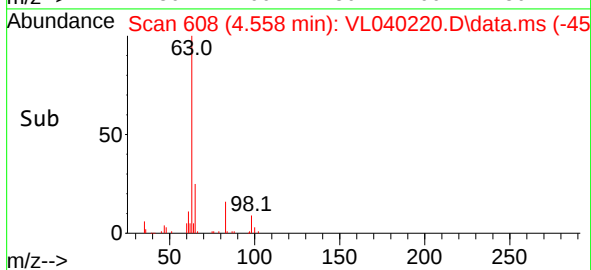
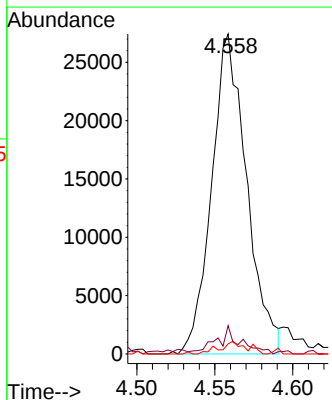
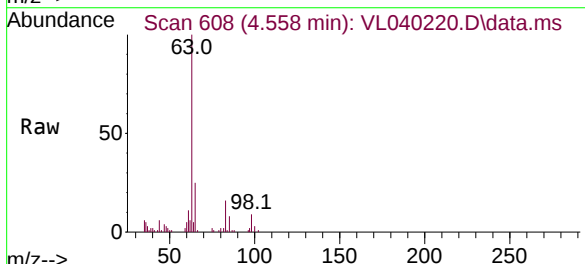
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT1-2023

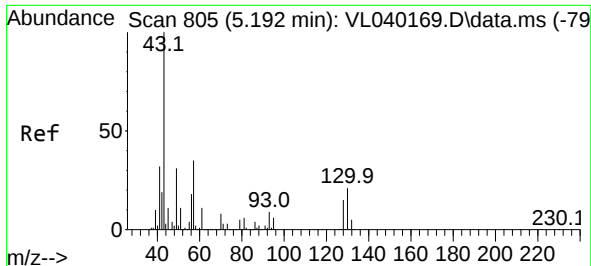
Tgt Ion: 43	Resp: 8295
Ion Ratio	Lower Upper
43 100	
86 18.3	5.6 8.4#
42 0.3	7.6 11.4#
44 27.7	4.8 7.2#



#24
 1,1-Dichloroethane
 Concen: 0.455 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion: 63	Resp: 42805
Ion Ratio	Lower Upper
63 100	
98 8.2	2.3 6.8#
100 3.2	1.4 4.0



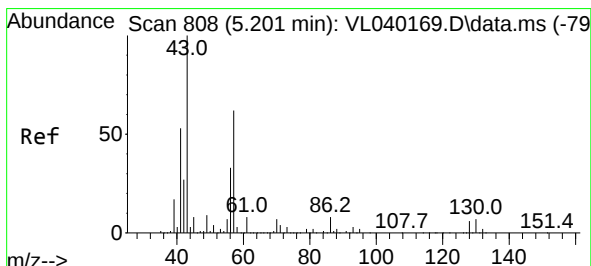
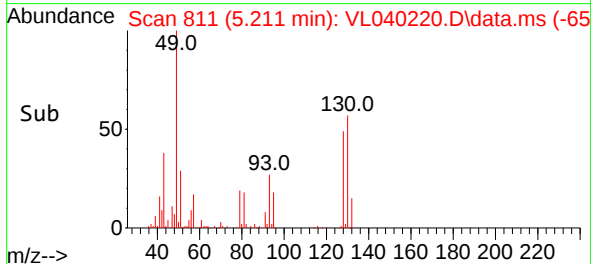
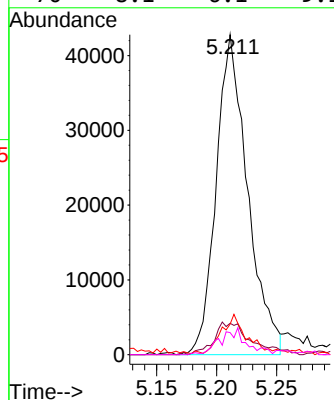
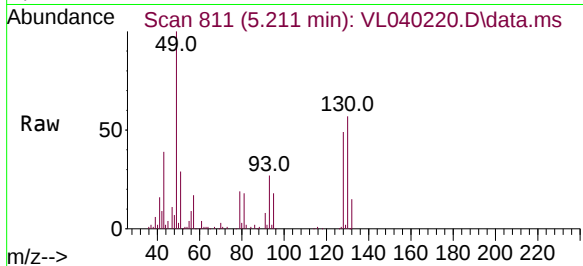


#25
Ethyl Acetate
Concen: 0.422 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 43 Resp: 77844

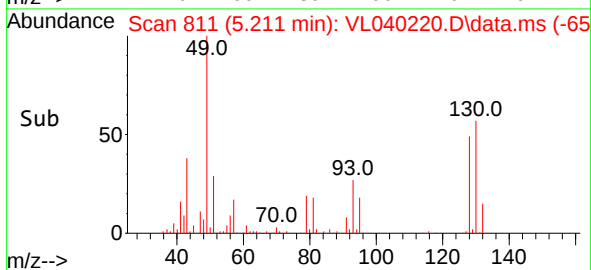
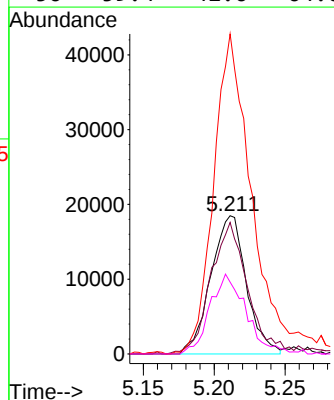
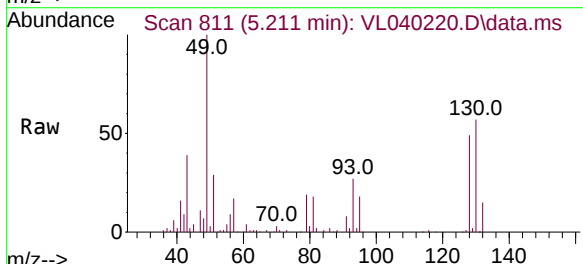
Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.3	12.5
61	11.2	8.4	12.6
70	8.1	6.1	9.1

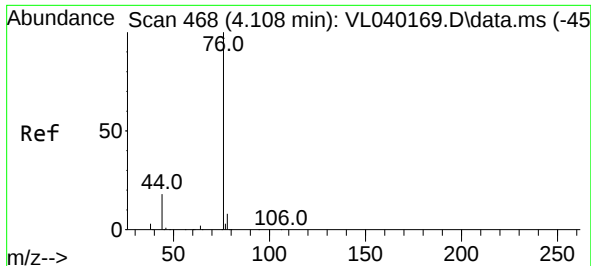


#26
Hexane
Concen: 0.407 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 57 Resp: 32260

Ion	Ratio	Lower	Upper
57	100		
41	102.4	74.3	111.5
43	258.2	193.0	289.4
56	59.4	42.6	64.0





#27

Carbon Disulfide

Concen: 0.365 ppbv

RT: 4.118 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

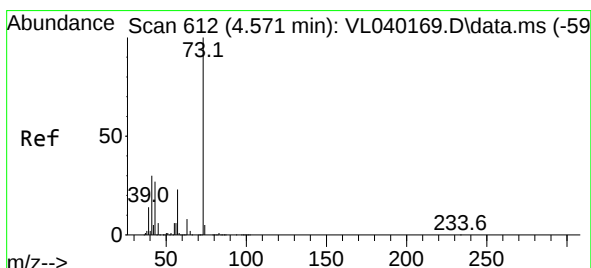
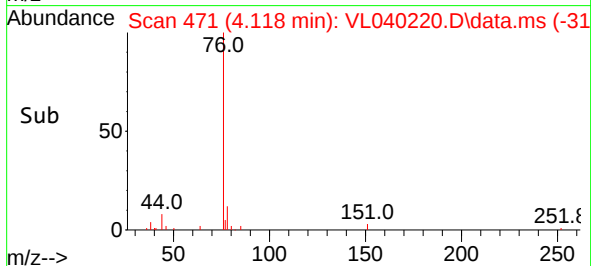
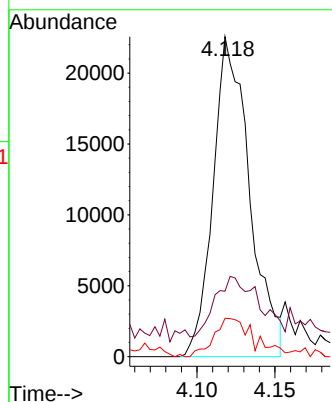
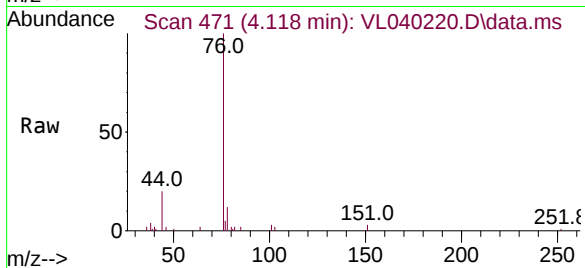
Tgt Ion: 76 Resp: 36704

Ion Ratio Lower Upper

76 100

44 27.2 15.3 22.9#

78 14.9 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.407 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.013 min

Lab File: VL040220.D

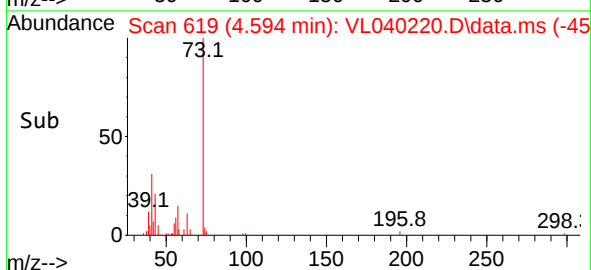
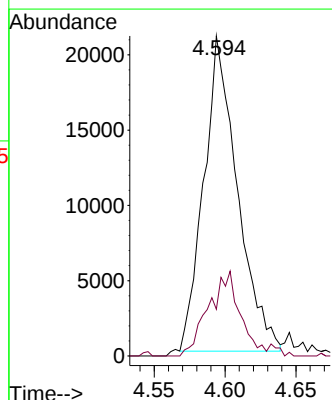
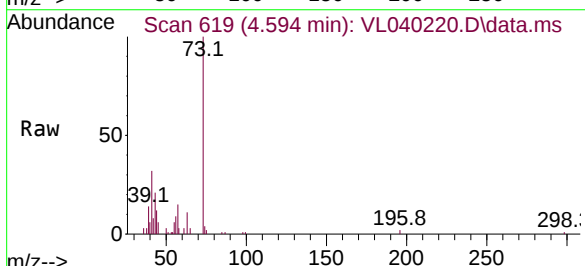
Acq: 23 Feb 2023 13:12

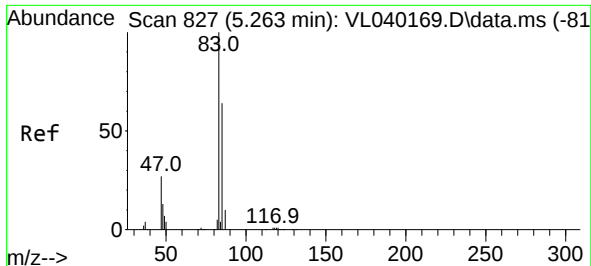
Tgt Ion: 73 Resp: 34585

Ion Ratio Lower Upper

73 100

57 26.3 18.8 28.2





#29

Chloroform

Concen: 0.425 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

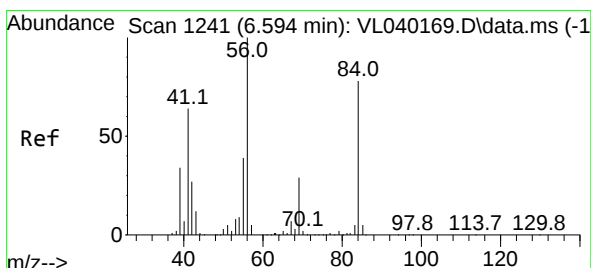
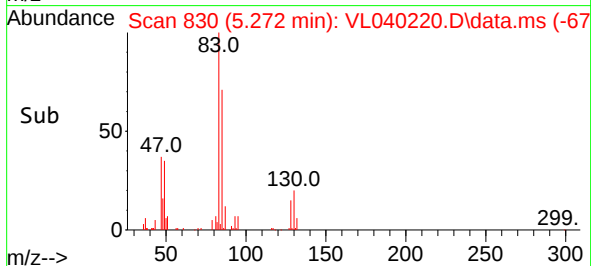
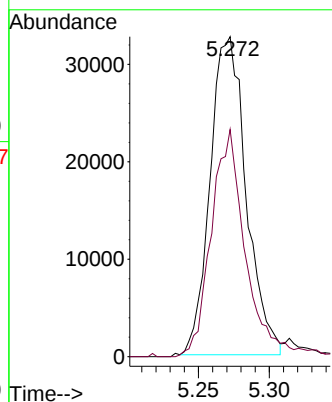
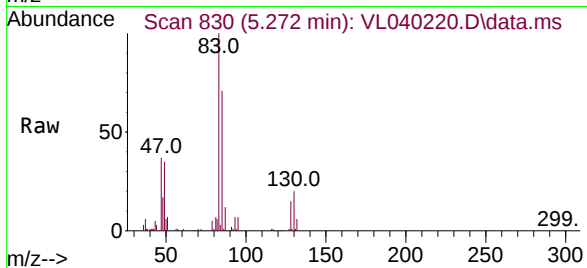
MDL-AIR-03-QT1-2023

Tgt Ion: 83 Resp: 57793

Ion Ratio Lower Upper

83 100

85 70.9 51.5 77.3



#30

Cyclohexane

Concen: 0.339 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

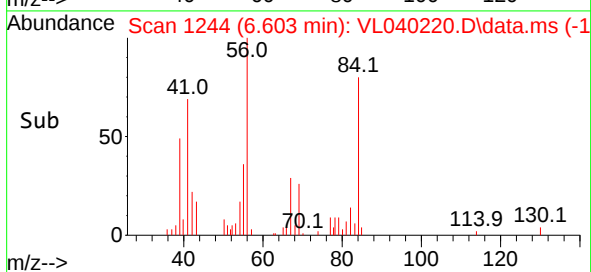
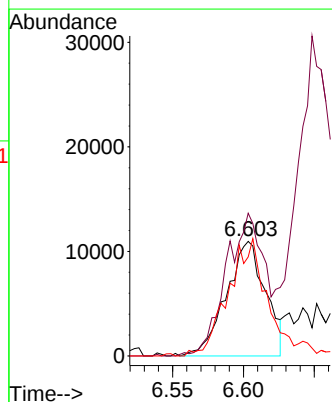
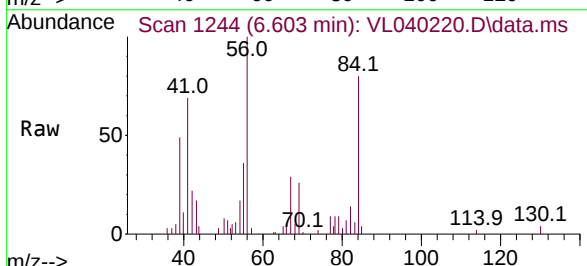
Tgt Ion: 84 Resp: 21110

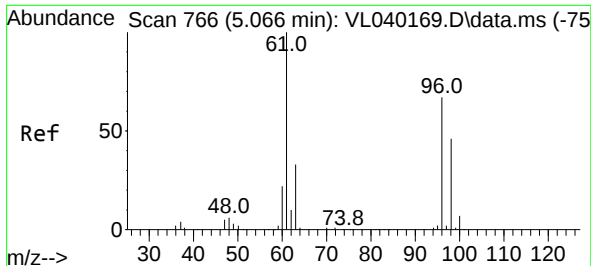
Ion Ratio Lower Upper

84 100

56 119.0 109.9 164.9

41 105.3 67.8 101.6#

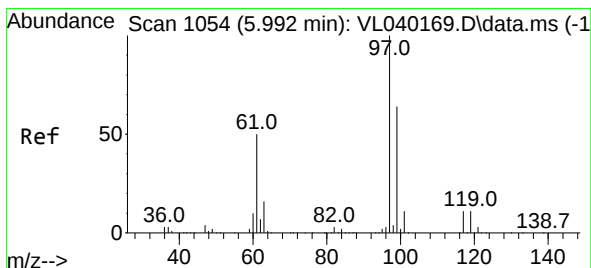
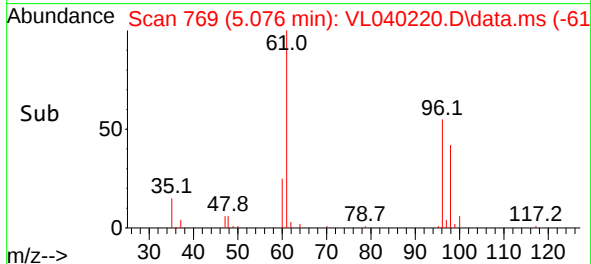
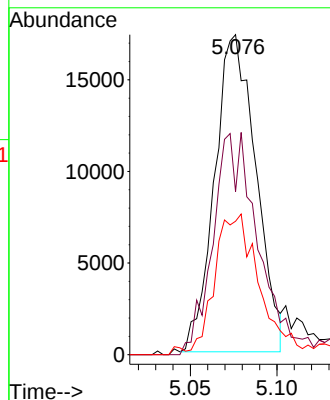
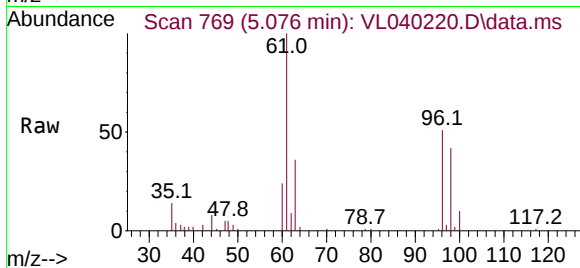




#31
 cis-1,2-Dichloroethene
 Concen: 0.382 ppbv
 RT: 5.076 min Scan# 766
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

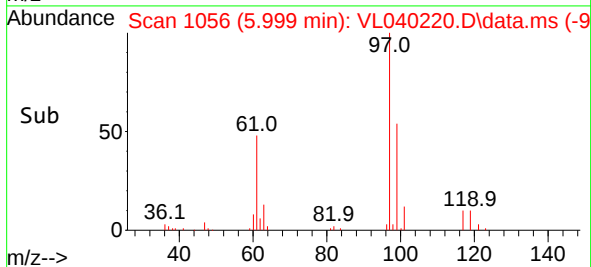
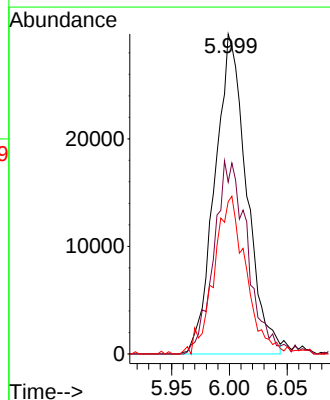
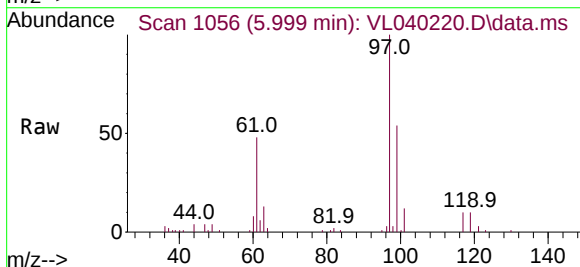
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

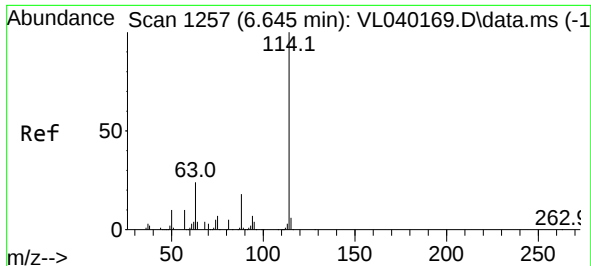
Tgt Ion: 61 Resp: 28714
 Ion Ratio Lower Upper
 61 100
 96 51.4 53.7 80.5#
 98 39.9 36.4 54.6



#32
 1,1,1-Trichloroethane
 Concen: 0.444 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion: 97 Resp: 56764
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 50.5 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

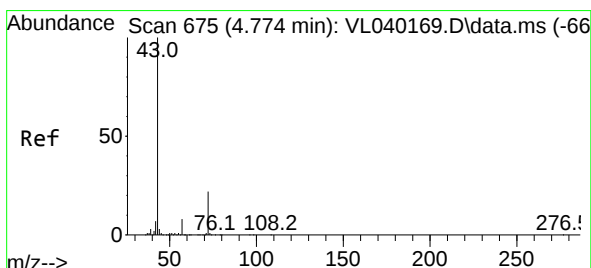
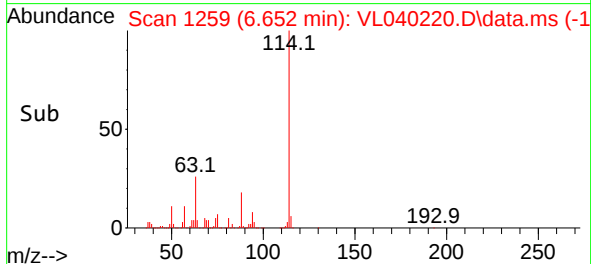
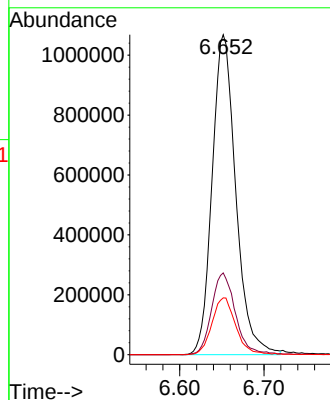
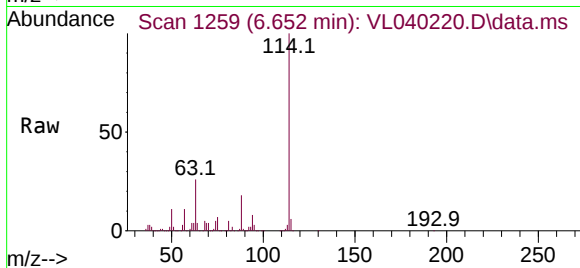
Tgt Ion:114 Resp: 2082376

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.443 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040220.D

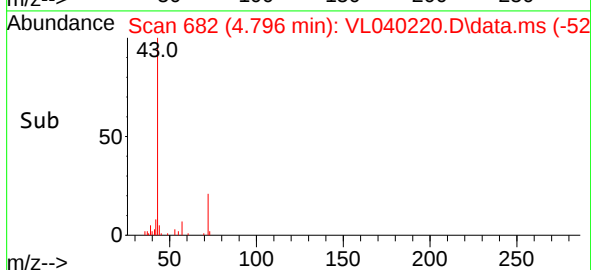
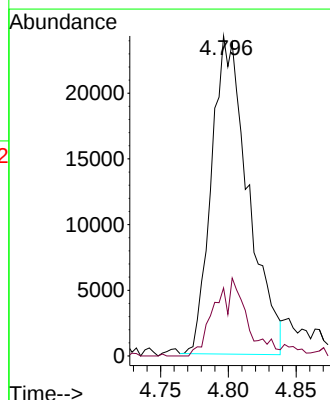
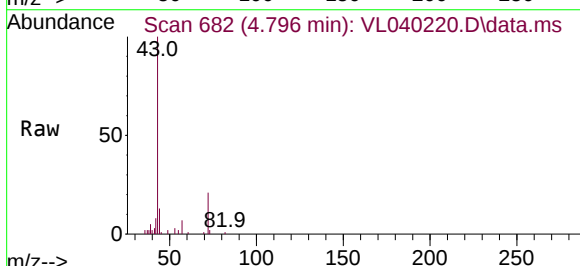
Acq: 23 Feb 2023 13:12

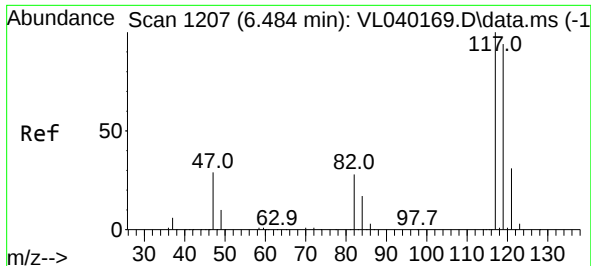
Tgt Ion: 43 Resp: 45526

Ion Ratio Lower Upper

43 100

72 24.4 17.8 26.8

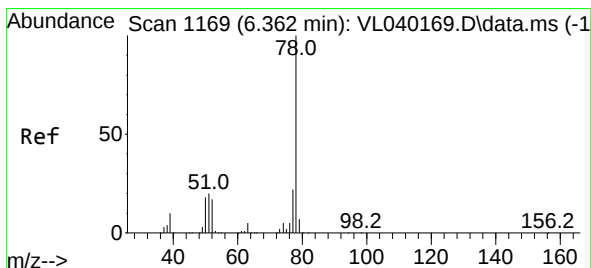
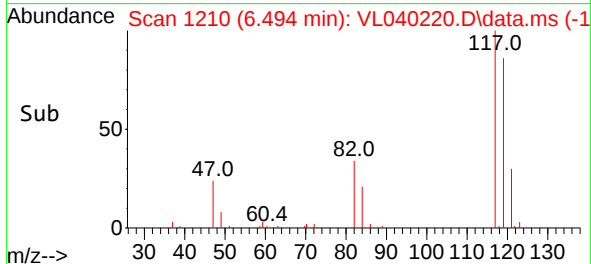
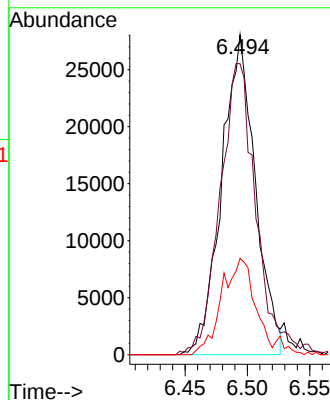
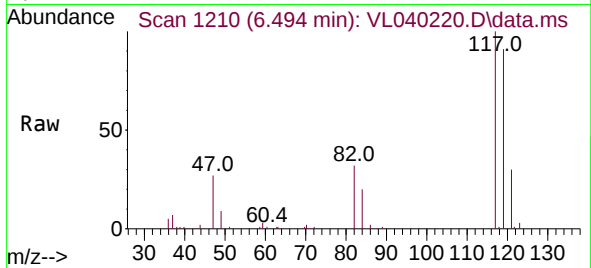




#35
Carbon Tetrachloride
Concen: 0.427 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

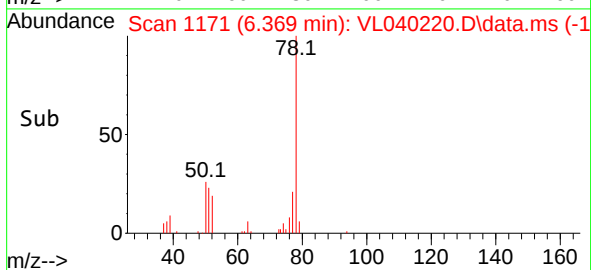
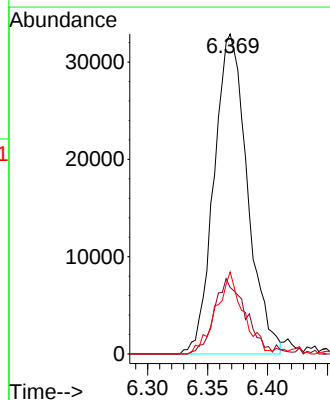
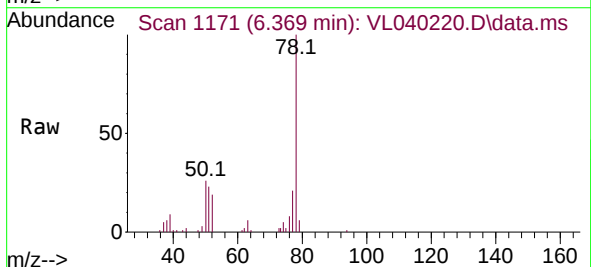
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

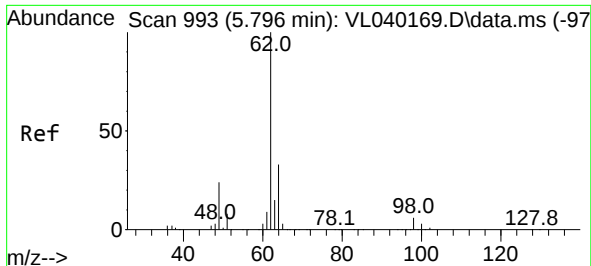
Tgt Ion:117 Resp: 52623
Ion Ratio Lower Upper
117 100
119 89.9 75.0 112.6
121 30.9 25.0 37.4



#36
Benzene
Concen: 0.392 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 78 Resp: 63597
Ion Ratio Lower Upper
78 100
77 20.8 17.5 26.3
50 25.7 14.6 22.0#

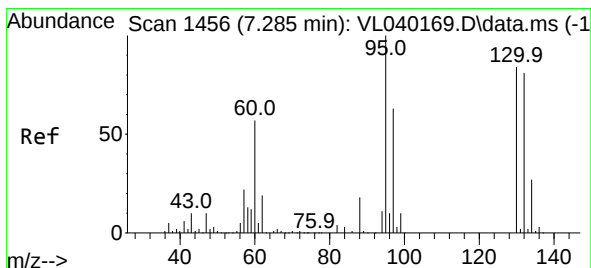
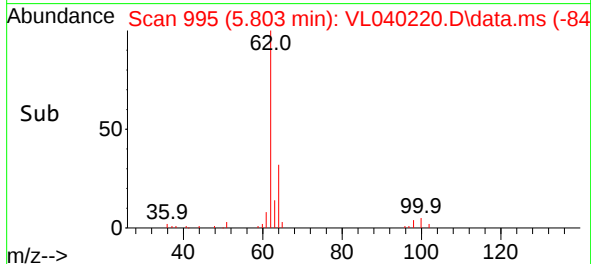
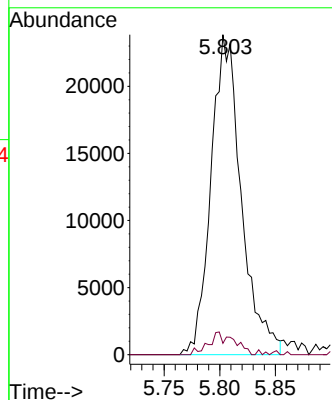
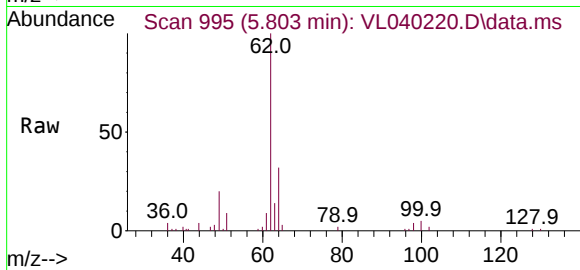




#37
1,2-Dichloroethane
Concen: 0.444 ppbv
RT: 5.803 min Scan# 995
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

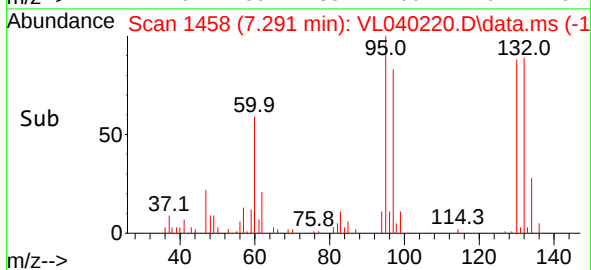
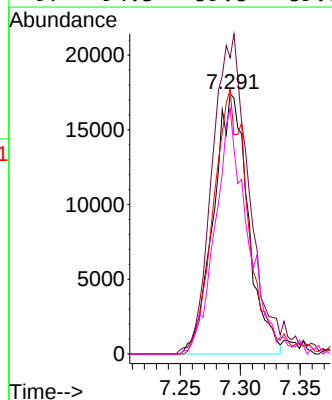
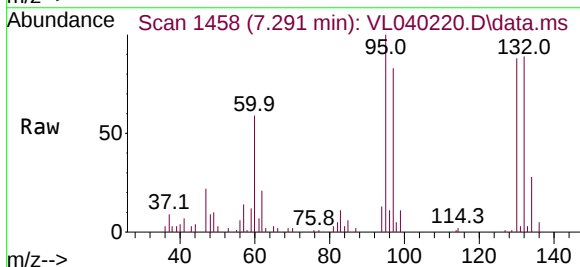
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

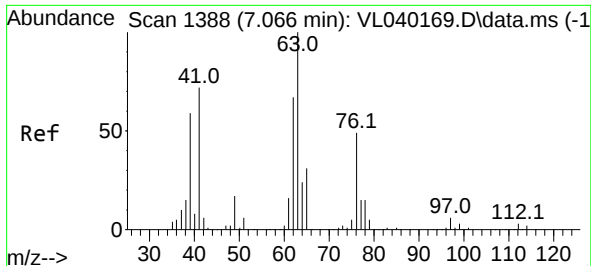
Tgt Ion: 62 Resp: 45027
Ion Ratio Lower Upper
62 100
98 6.4 4.7 7.1



#38
Trichloroethene
Concen: 0.391 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:130 Resp: 34905
Ion Ratio Lower Upper
130 100
95 112.2 94.7 142.1
132 101.7 76.4 114.6
97 94.3 59.8 89.6#





#39

1,2-Dichloropropane

Concen: 0.427 ppbv

RT: 7.073 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

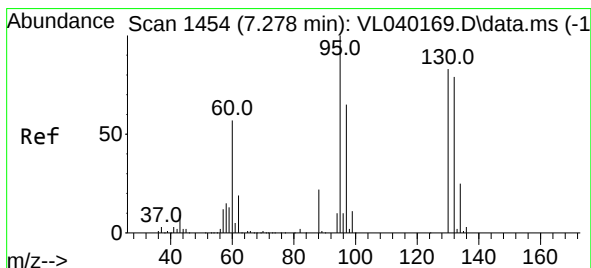
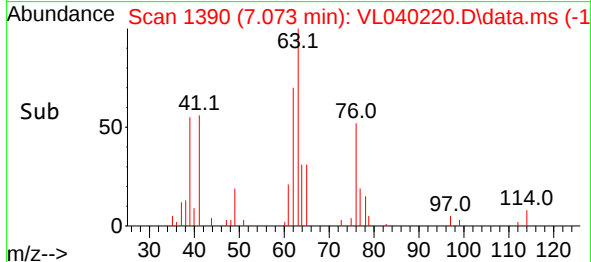
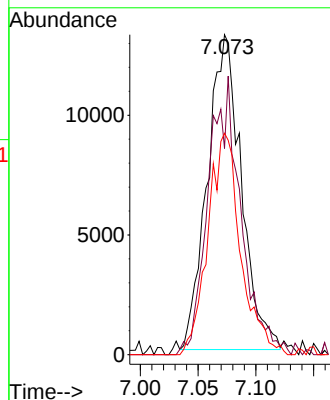
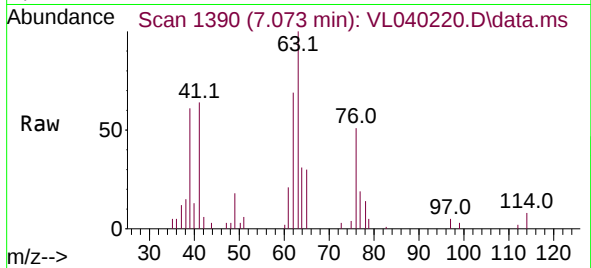
Tgt Ion: 63 Resp: 26922

Ion Ratio Lower Upper

63 100

41 63.8 57.6 86.4

62 68.7 54.0 81.0



#40

1,4-Dioxane

Concen: 0.005 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. -0.032 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Tgt Ion: 88 Resp: 114

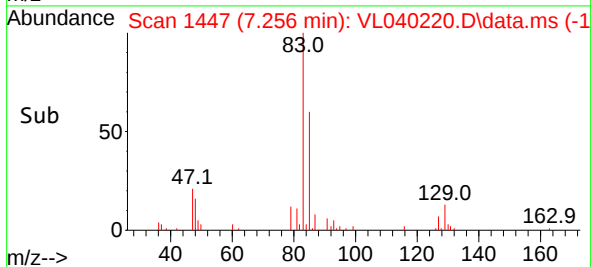
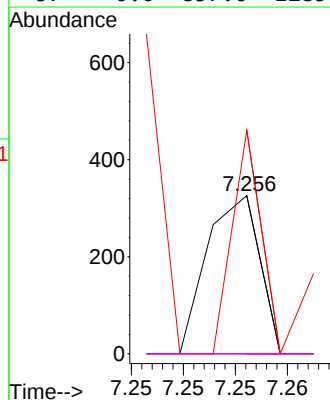
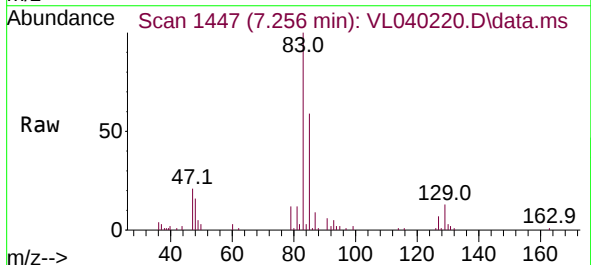
Ion Ratio Lower Upper

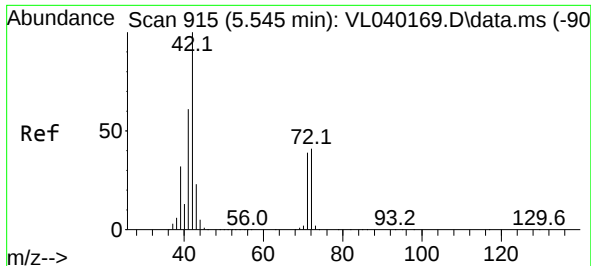
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#

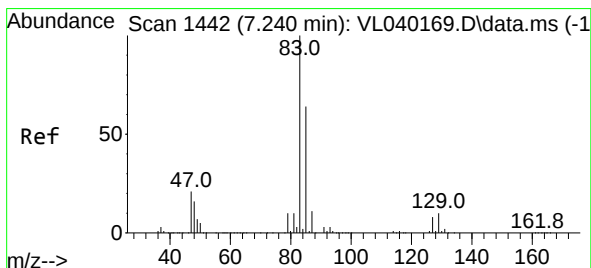
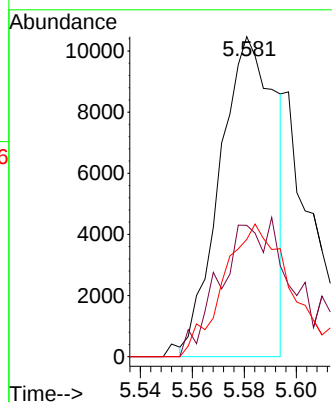
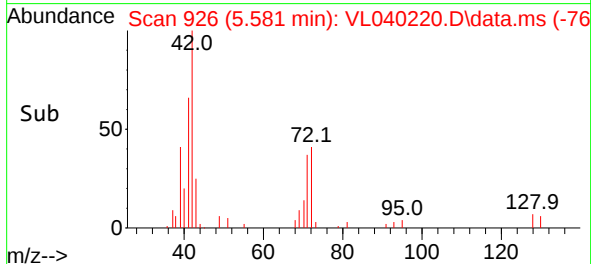
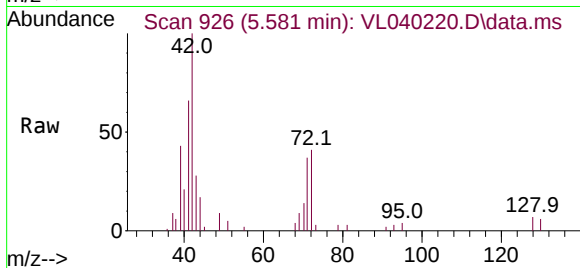




#41
Tetrahydrofuran
Concen: 0.260 ppbv
RT: 5.581 min Scan# 915
Delta R.T. 0.026 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

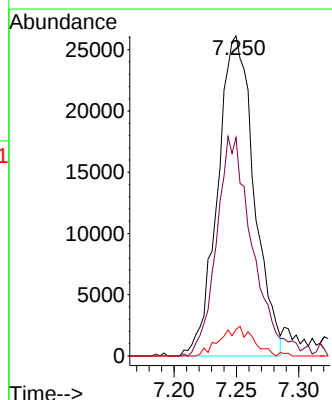
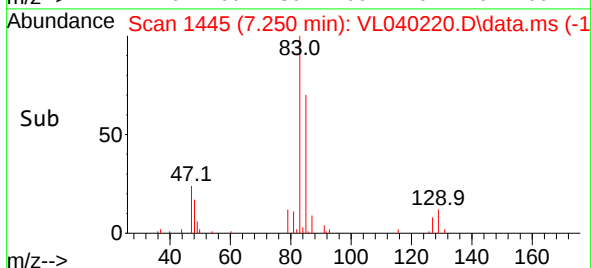
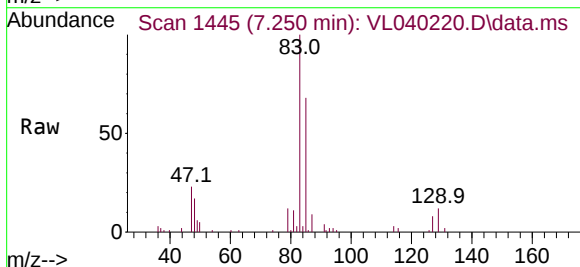
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

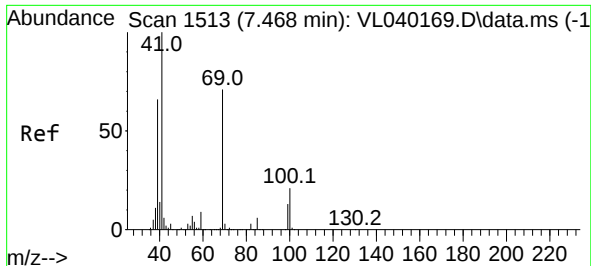
Tgt Ion: 42 Resp: 15499
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4#
71 59.9 31.4 47.2#



#42
Bromodichloromethane
Concen: 0.380 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 83 Resp: 53214
Ion Ratio Lower Upper
83 100
85 68.2 50.9 76.3
127 8.3 6.2 9.2





#43

Methyl Methacrylate

Concen: 0.214 ppbv

RT: 7.481 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

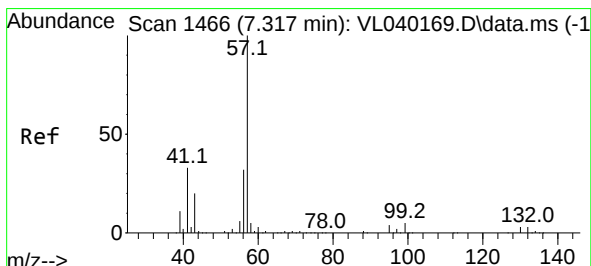
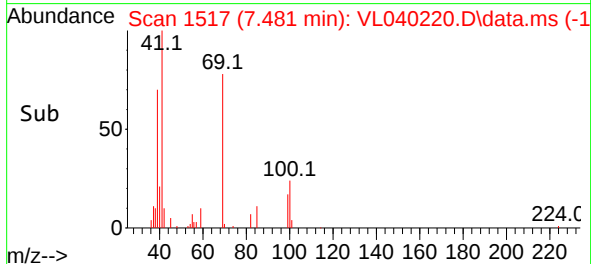
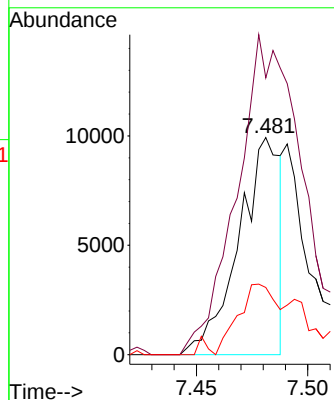
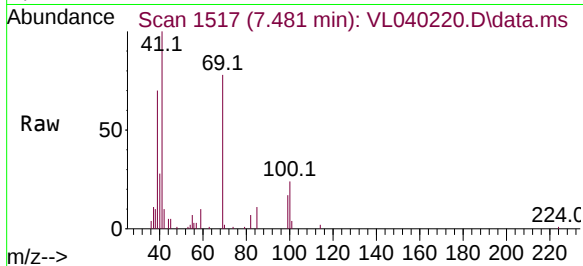
Tgt Ion: 69 Resp: 12831

Ion Ratio Lower Upper

69 100

41 243.2 116.6 174.8#

100 52.6 25.6 38.4#



#44

2,2,4-Trimethylpentane

Concen: 0.381 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

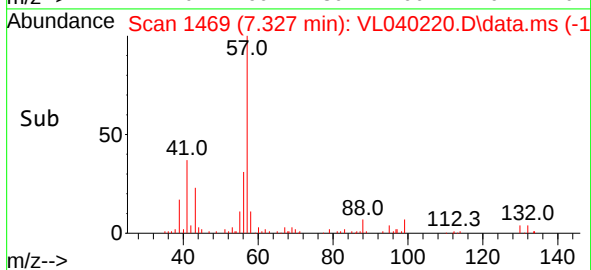
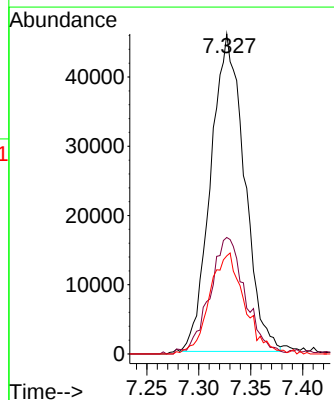
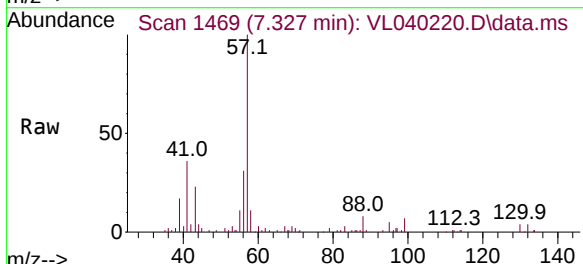
Tgt Ion: 57 Resp: 103181

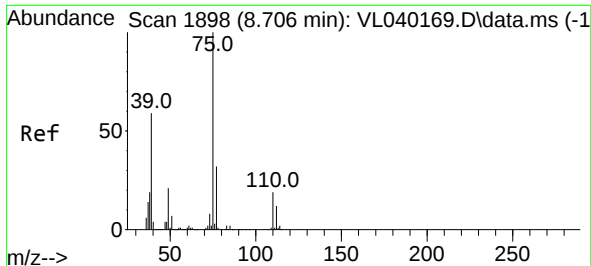
Ion Ratio Lower Upper

57 100

41 38.6 26.2 39.4

56 33.2 24.9 37.3

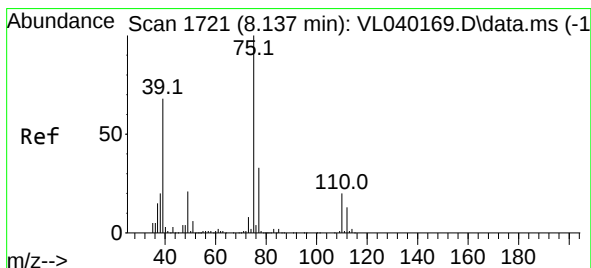
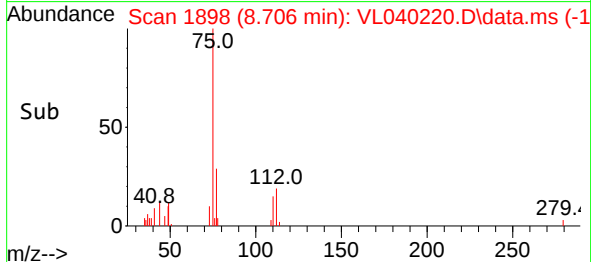
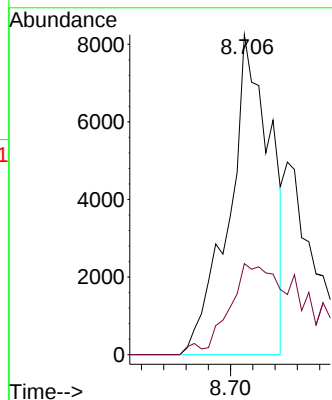
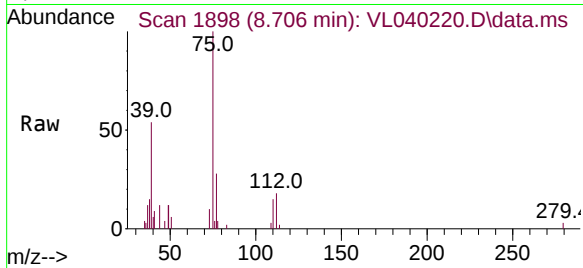




#45
 t-1,3-Dichloropropene
 Concen: 0.200 ppbv
 RT: 8.706 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

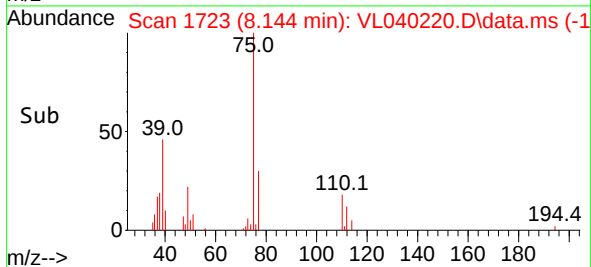
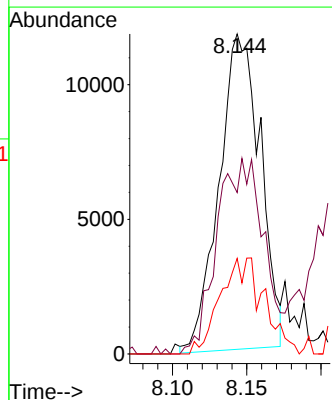
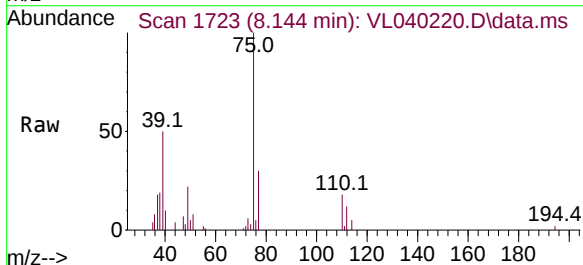
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

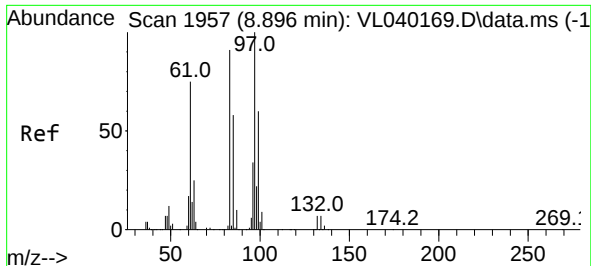
Tgt Ion: 75 Resp: 10657
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.306 ppbv
 RT: 8.144 min Scan# 1723
 Delta R.T. -0.003 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion: 75 Resp: 22688
 Ion Ratio Lower Upper
 75 100
 39 51.7 54.2 81.2#
 77 30.5 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.427 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. -0.010 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 97 Resp: 29118

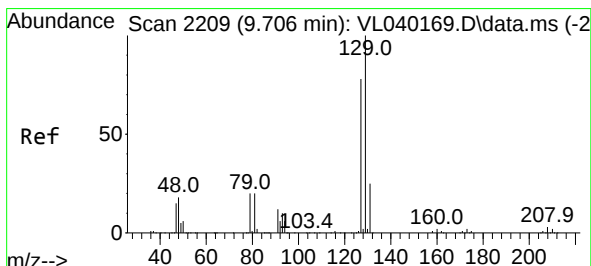
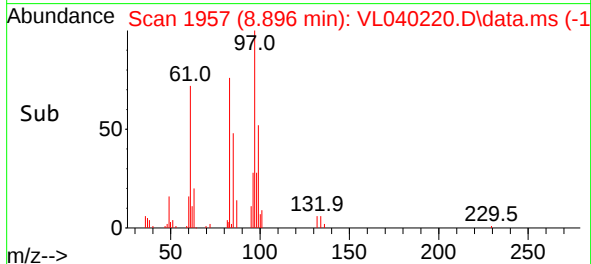
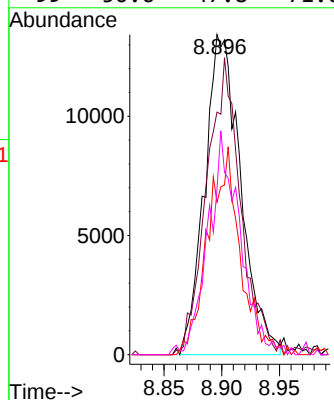
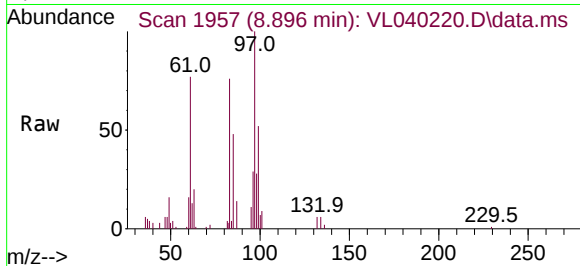
Ion Ratio Lower Upper

97 100

83 74.4 72.8 109.2

85 46.3 46.6 69.8#

99 50.6 47.8 71.6



#48

Dibromochloromethane

Concen: 0.344 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.006 min

Lab File: VL040220.D

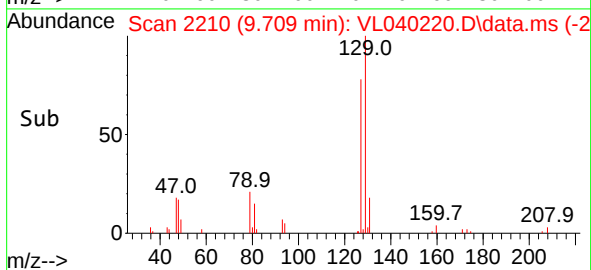
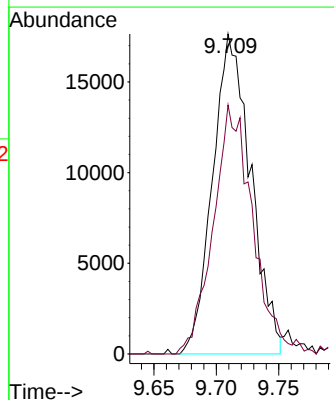
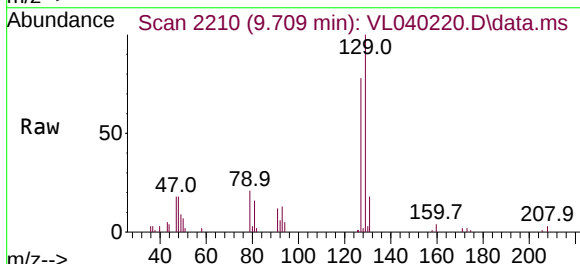
Acq: 23 Feb 2023 13:12

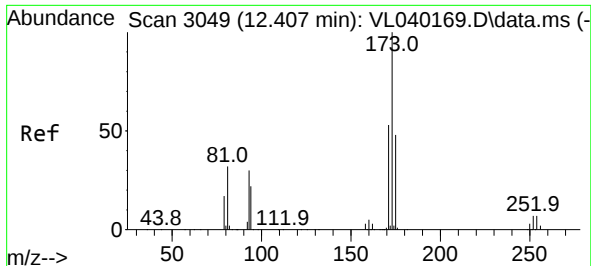
Tgt Ion: 129 Resp: 37503

Ion Ratio Lower Upper

129 100

127 80.8 39.1 117.2





#49

Bromoform

Concen: 0.233 ppbv

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

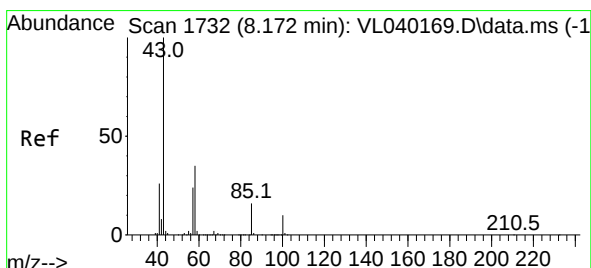
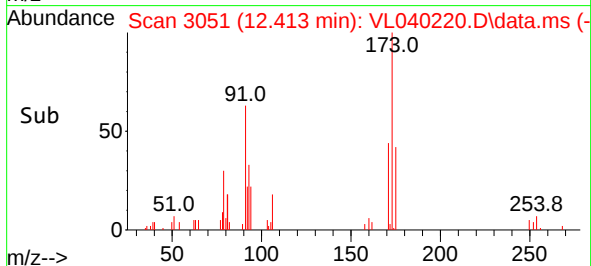
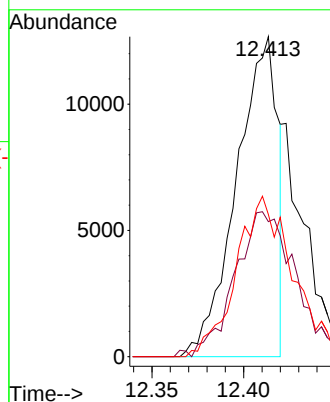
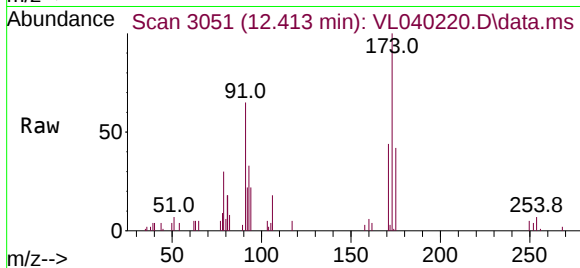
Tgt Ion:173 Resp: 19792

Ion Ratio Lower Upper

173 100

175 67.7 39.4 59.0#

171 70.9 41.8 62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.368 ppbv

RT: 8.205 min Scan# 1742

Delta R.T. 0.023 min

Lab File: VL040220.D

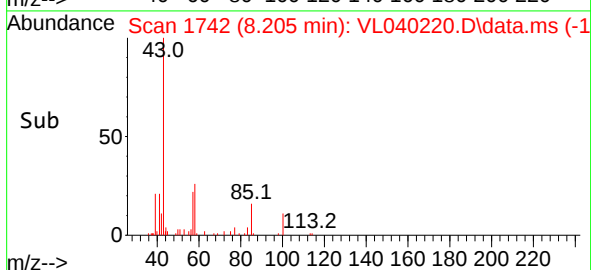
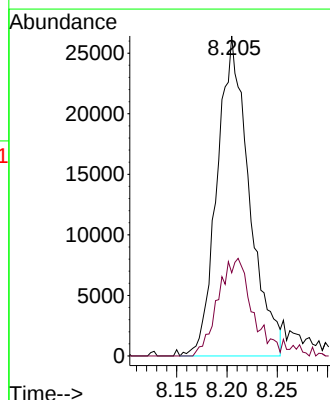
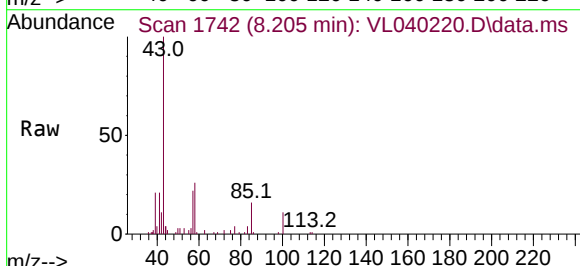
Acq: 23 Feb 2023 13:12

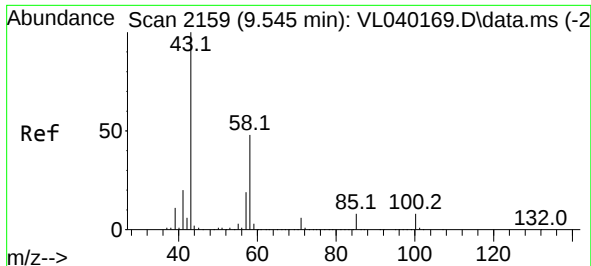
Tgt Ion: 43 Resp: 58724

Ion Ratio Lower Upper

43 100

58 34.5 29.2 43.8

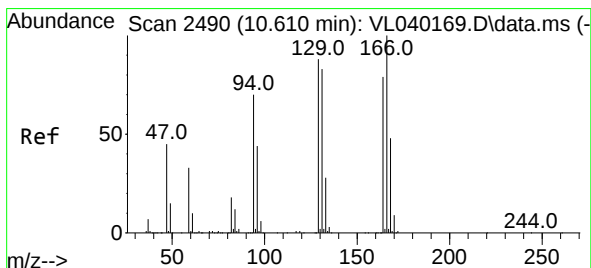
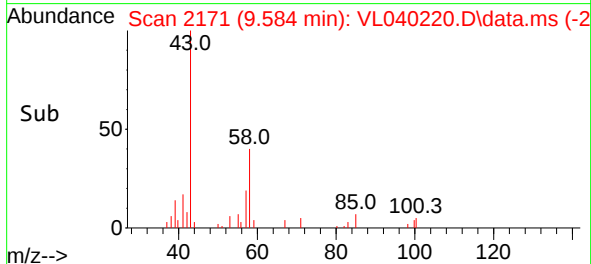
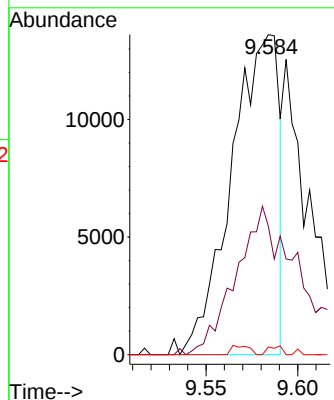
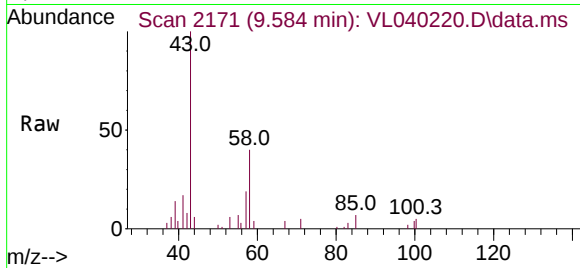




#51
2-Hexanone
Concen: 0.200 ppbv
RT: 9.584 min Scan# 2159
Delta R.T. 0.029 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

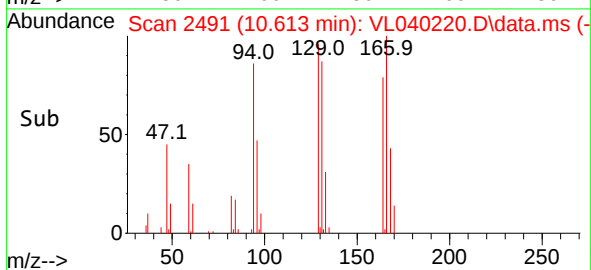
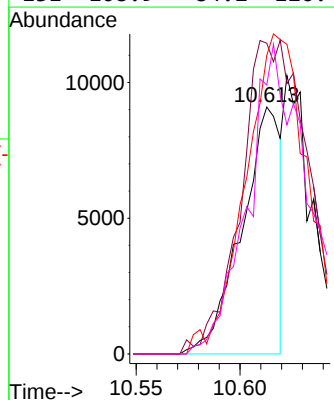
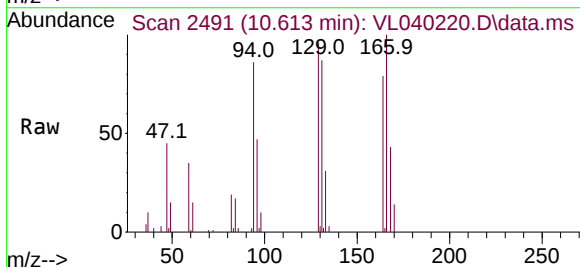
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

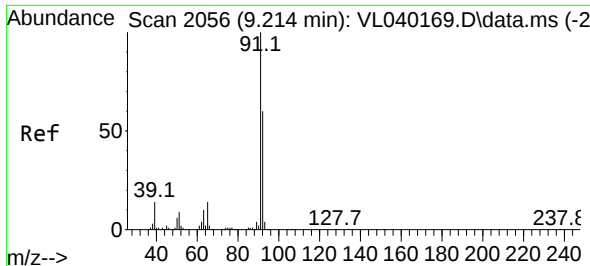
Tgt Ion: 43 Resp: 24488
Ion Ratio Lower Upper
43 100
58 68.5 39.1 58.7#
98 1.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.232 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 164 Resp: 11735
Ion Ratio Lower Upper
164 100
166 125.9 101.5 152.3
129 120.9 89.0 133.4
131 108.9 84.2 126.4

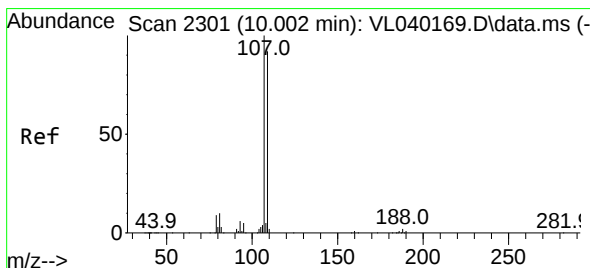
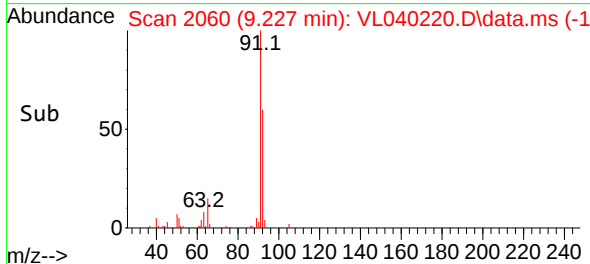
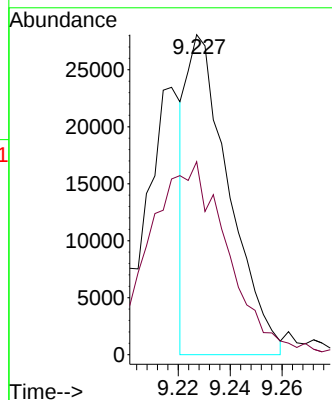
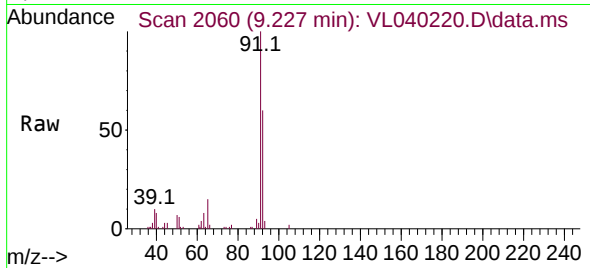




#53
Toluene
Concen: 0.183 ppbv
RT: 9.227 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

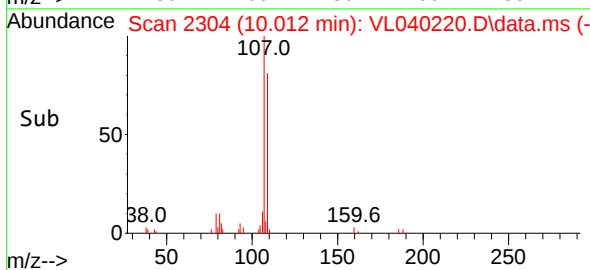
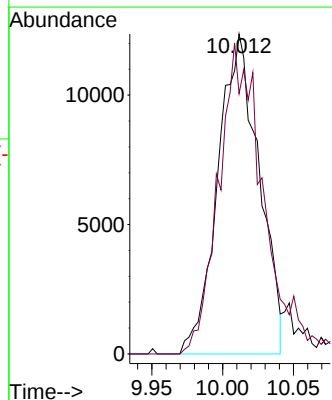
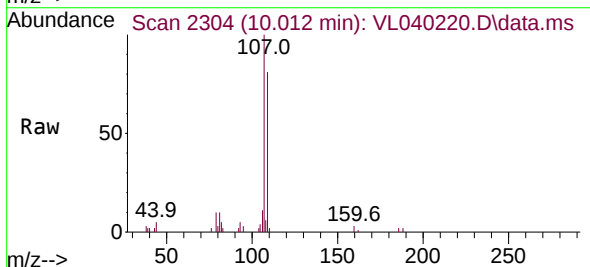
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

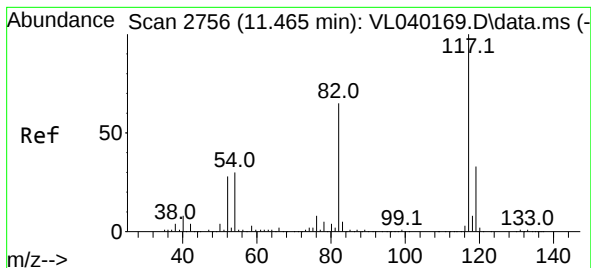
Tgt Ion: 91 Resp: 31732
Ion Ratio Lower Upper
91 100
92 114.9 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.351 ppbv
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 107 Resp: 24922
Ion Ratio Lower Upper
107 100
109 81.4 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: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

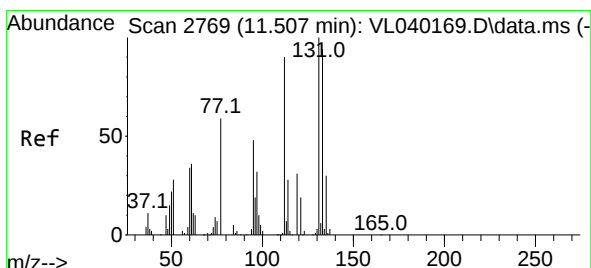
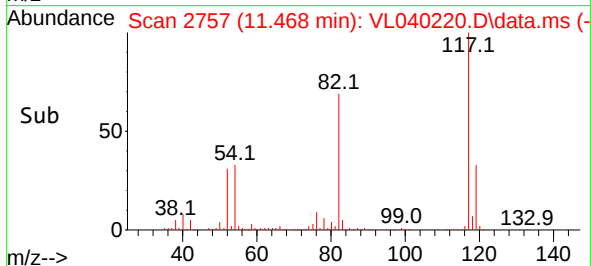
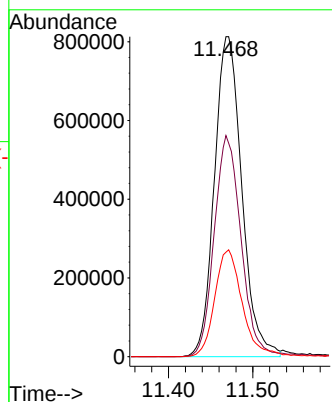
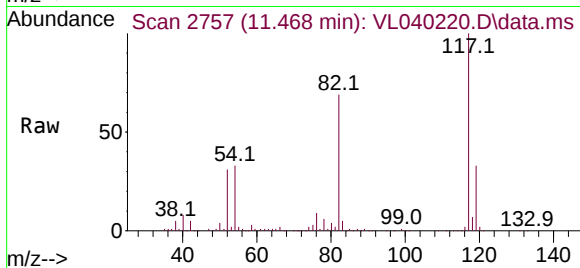
Tgt Ion:117 Resp: 1837086

Ion Ratio Lower Upper

117 100

82 68.7 53.3 79.9

119 34.0 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.235 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. -0.006 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

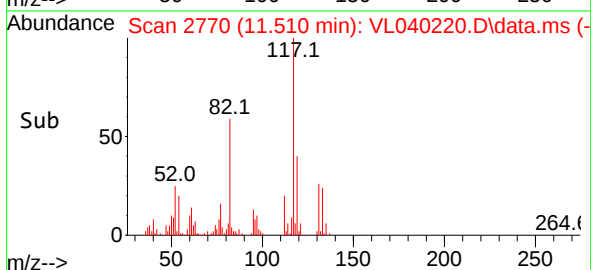
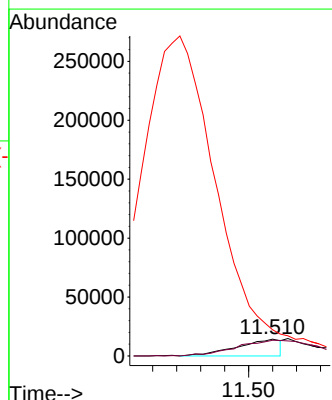
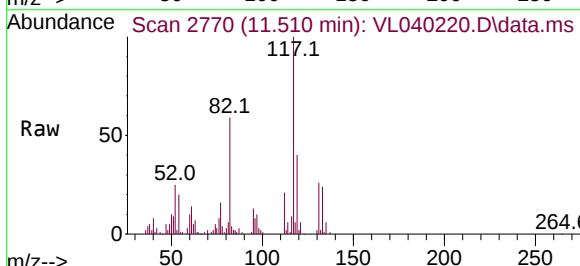
Tgt Ion:131 Resp: 18150

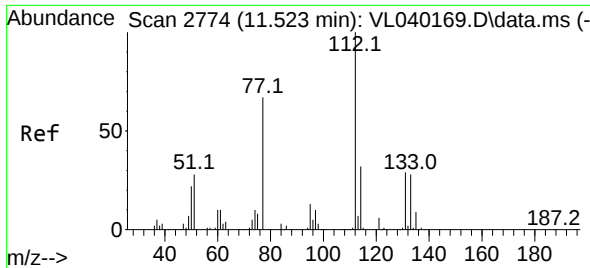
Ion Ratio Lower Upper

131 100

133 173.0 76.2 114.2#

119 0.0 45.4 68.0#

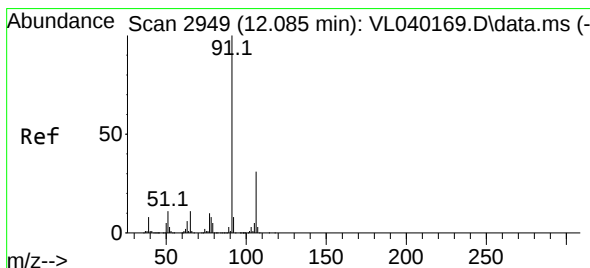
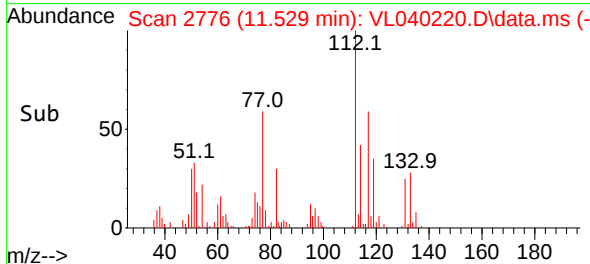
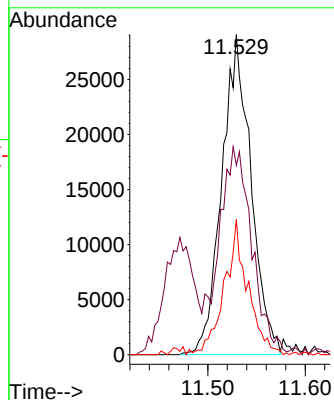
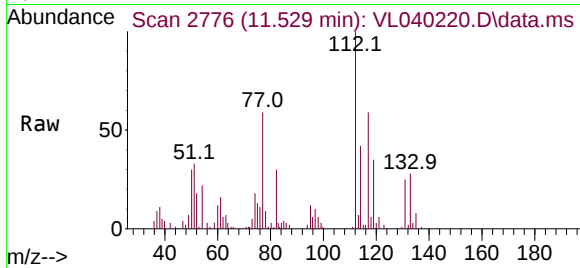




#57
Chlorobenzene
Concen: 0.452 ppbv
RT: 11.529 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

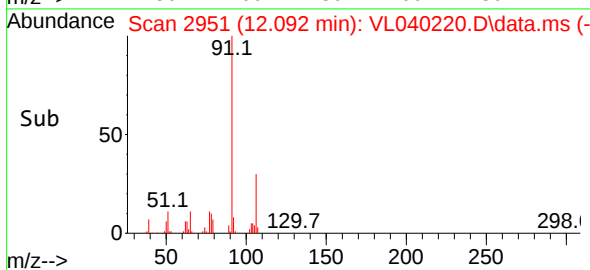
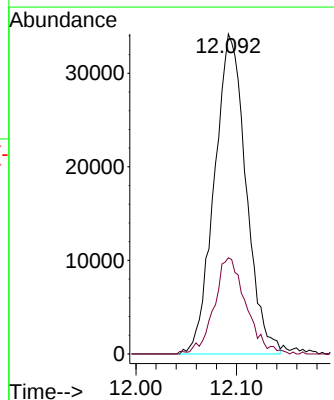
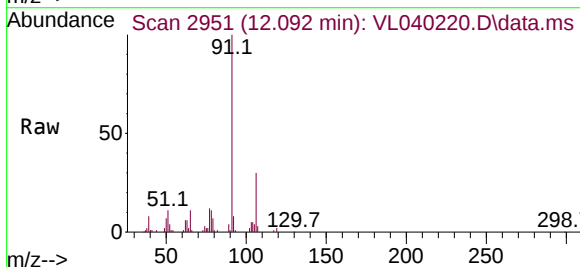
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

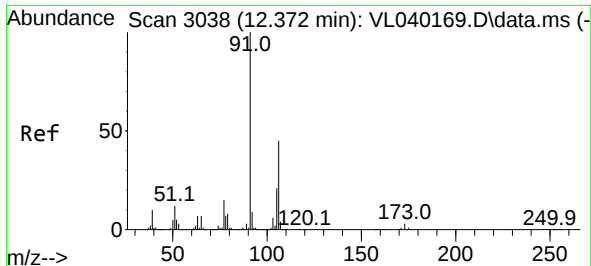
Tgt Ion:112 Resp: 60634
Ion Ratio Lower Upper
112 100
77 55.1 55.0 82.4
114 41.2 29.0 35.4#



#58
Ethyl Benzene
Concen: 0.334 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 91 Resp: 74658
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3





#59

m/p-Xylene

Concen: 0.138 ppbv

RT: 12.368 min Scan# 3038

Delta R.T. -0.013 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

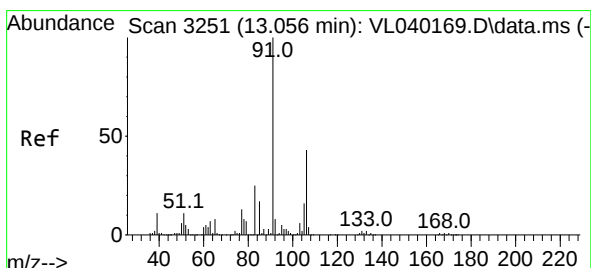
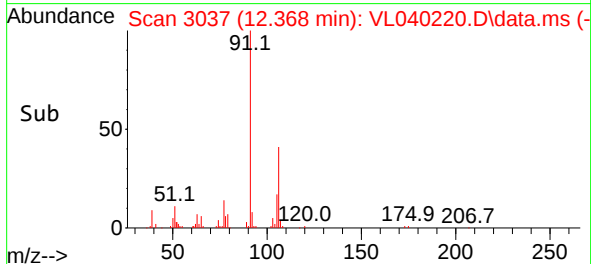
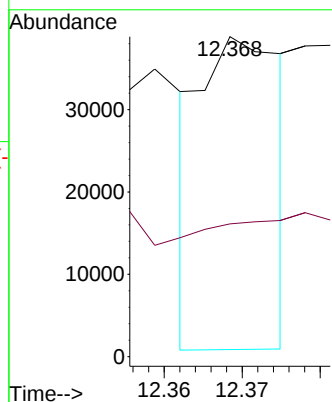
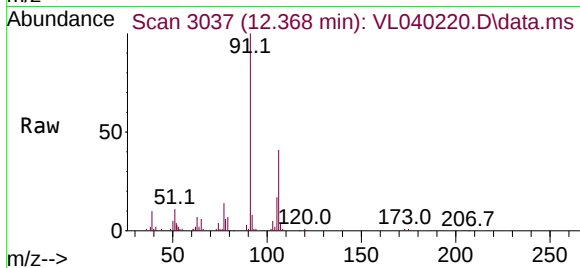
MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 27286

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#



#60

o-Xylene

Concen: 0.212 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.003 min

Lab File: VL040220.D

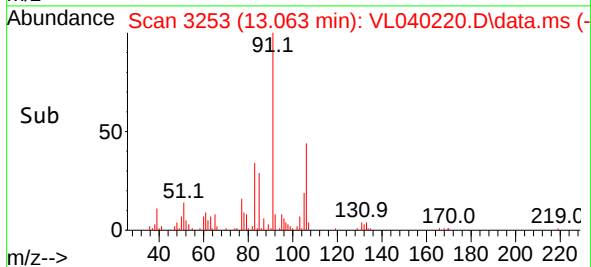
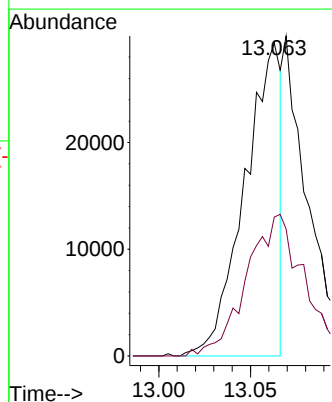
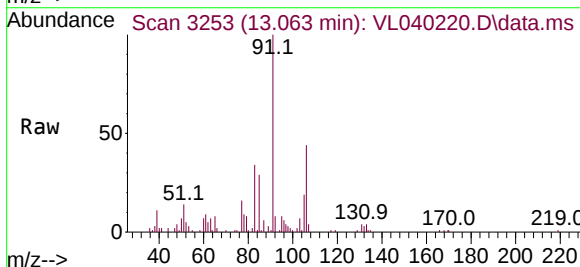
Acq: 23 Feb 2023 13:12

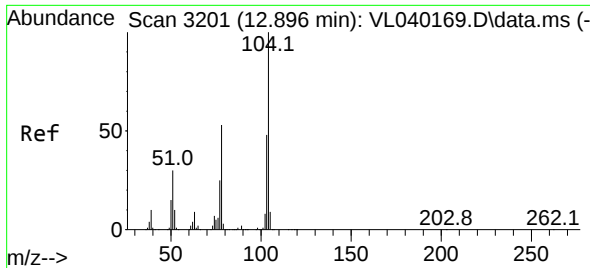
Tgt Ion: 91 Resp: 40241

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.129 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

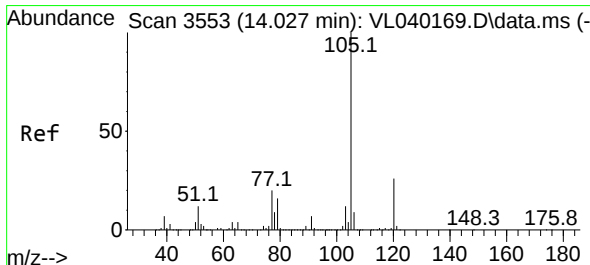
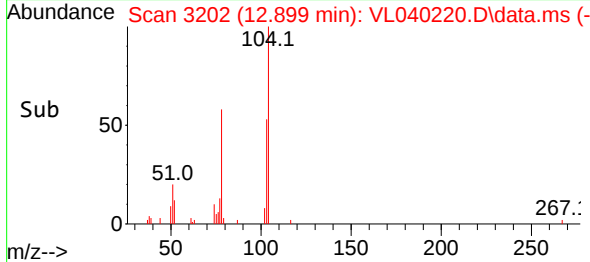
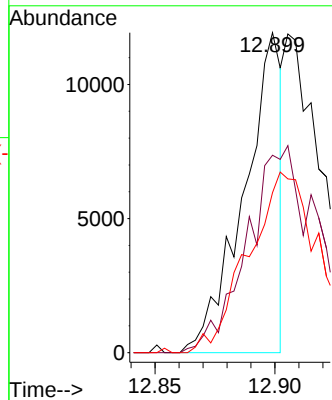
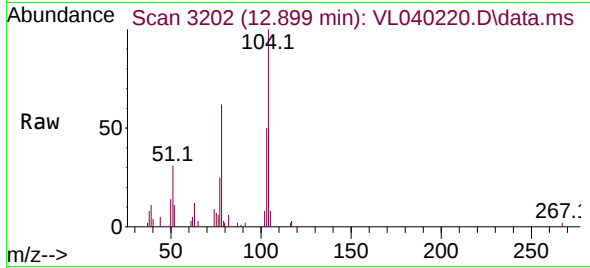
Tgt Ion:104 Resp: 12926

Ion Ratio Lower Upper

104 100

78 0.0 42.3 63.5#

103 0.0 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.402 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL040220.D

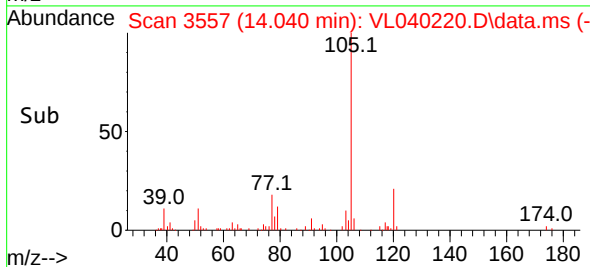
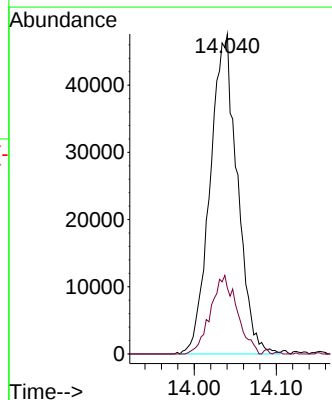
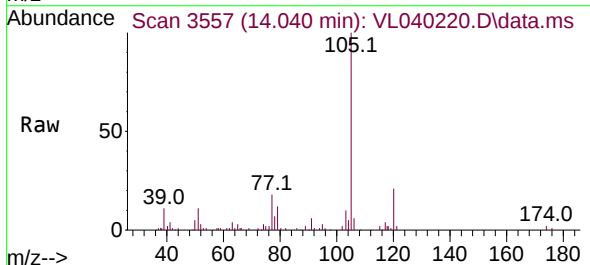
Acq: 23 Feb 2023 13:12

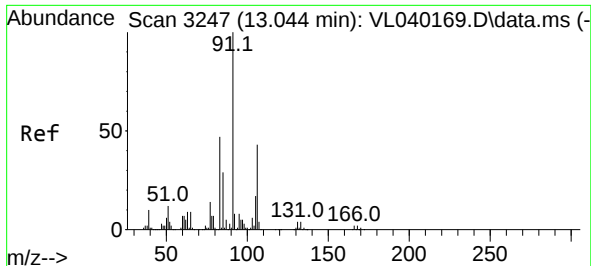
Tgt Ion:105 Resp: 109778

Ion Ratio Lower Upper

105 100

120 24.2 20.3 30.5

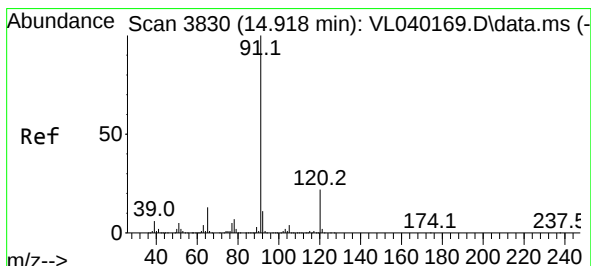
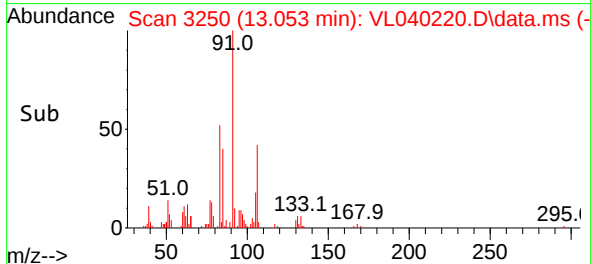
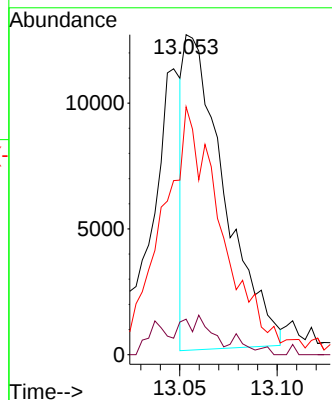
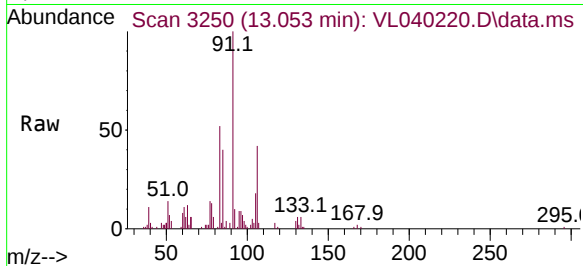




#63
1,1,2,2-Tetrachloroethane
Concen: 0.262 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

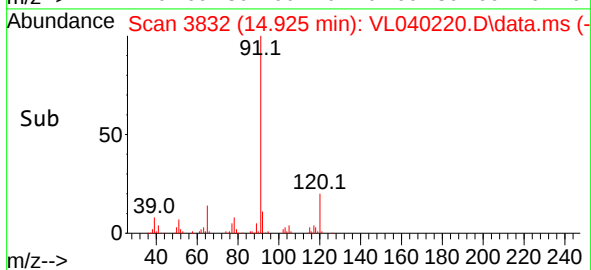
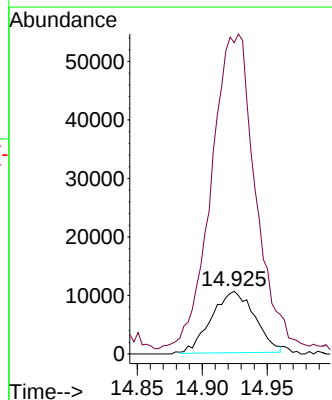
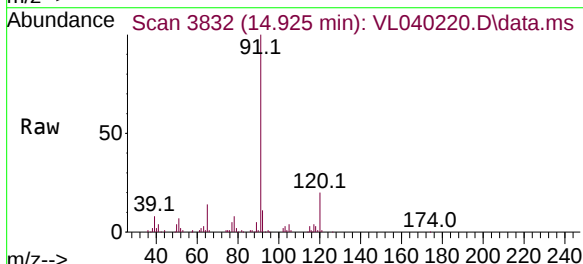
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

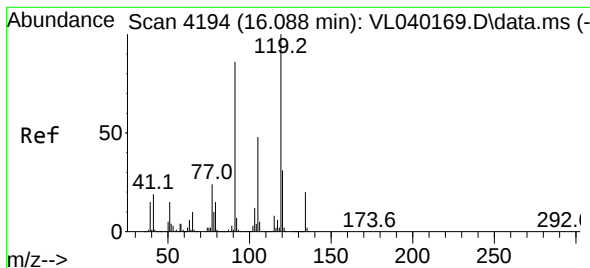
Tgt Ion: 83 Resp: 17969
Ion Ratio Lower Upper
83 100
131 17.6 4.4 13.2#
85 124.3 33.0 99.0#



#64
n-propylbenzene
Concen: 0.361 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 120 Resp: 24394
Ion Ratio Lower Upper
120 100
91 559.4 389.8 584.8





#65

tert-Butylbenzene

Concen: 0.357 ppbv

RT: 16.098 min Scan# 4194

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

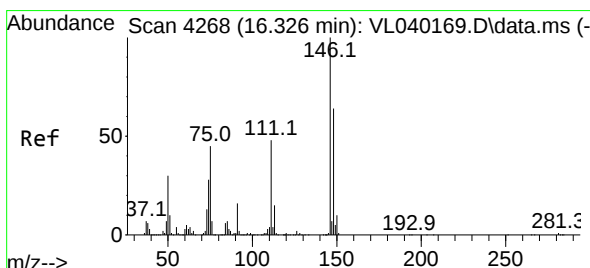
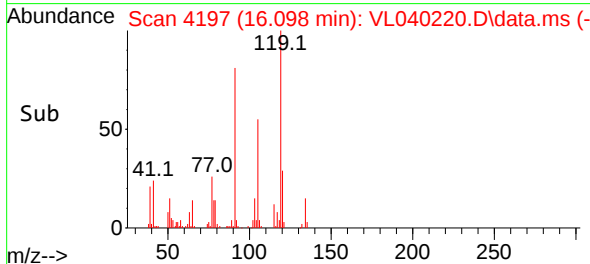
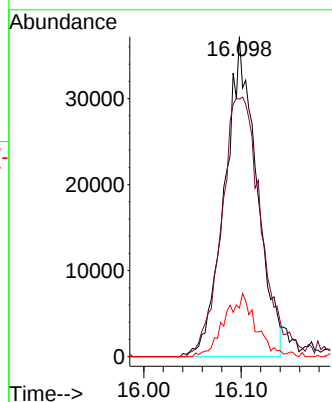
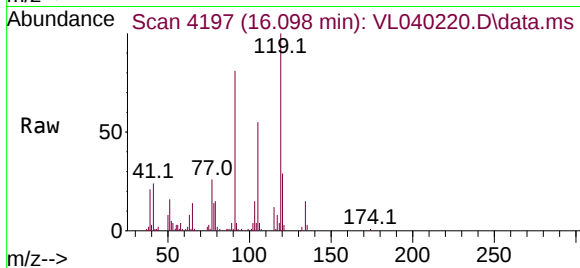
Tgt Ion:119 Resp: 84793

Ion Ratio Lower Upper

119 100

91 103.3 68.6 102.8#

134 19.6 15.9 23.9



#66

Benzyl Chloride

Concen: 0.071 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. -0.010 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

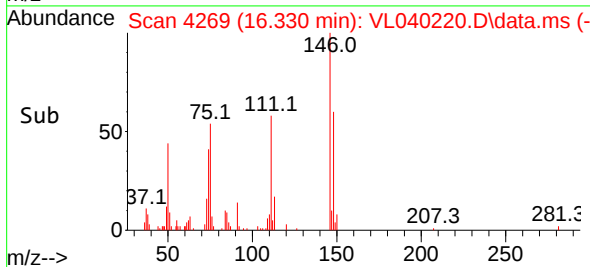
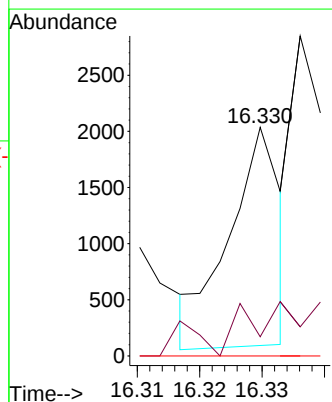
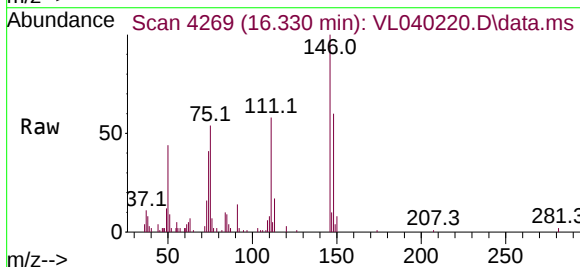
Tgt Ion: 91 Resp: 1123

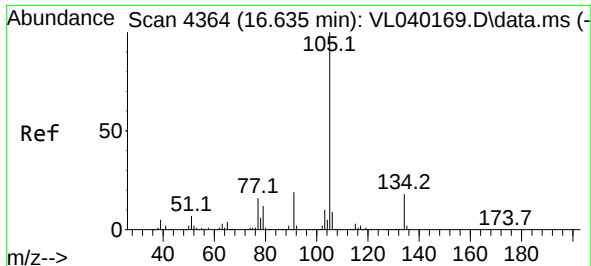
Ion Ratio Lower Upper

91 100

126 0.0 13.1 19.7#

128 0.0 4.1 6.1#

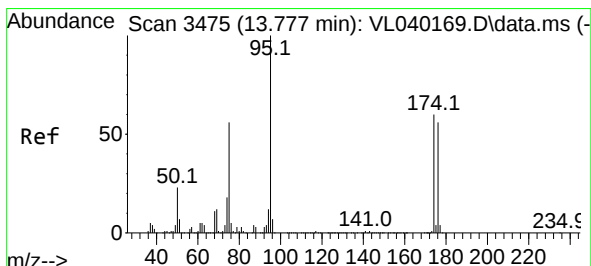
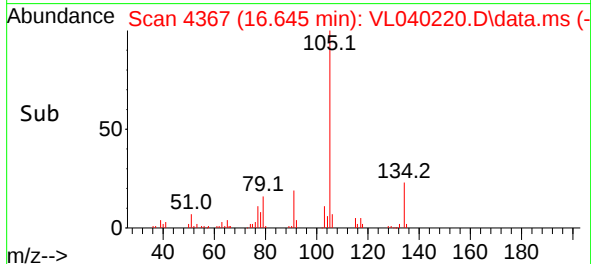
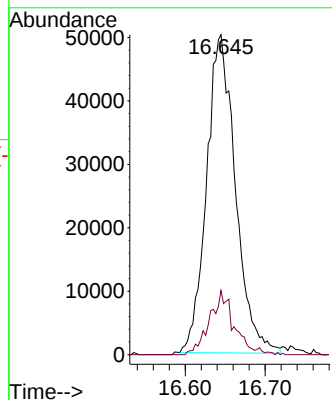
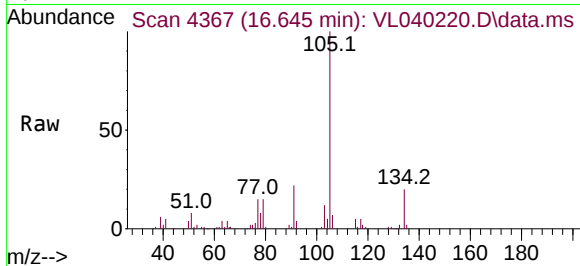




#67
 sec-Butylbenzene
 Concen: 0.370 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

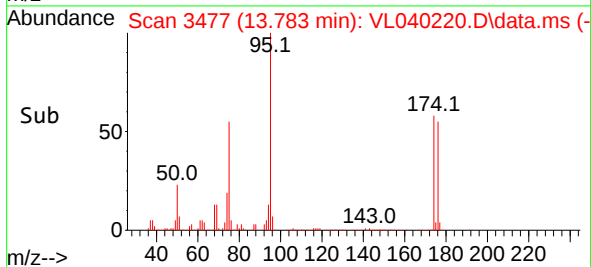
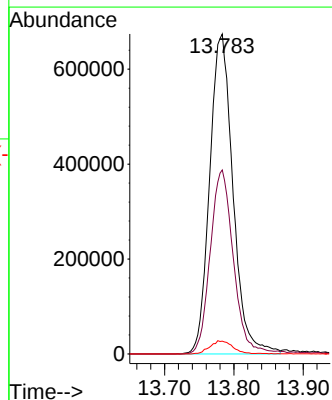
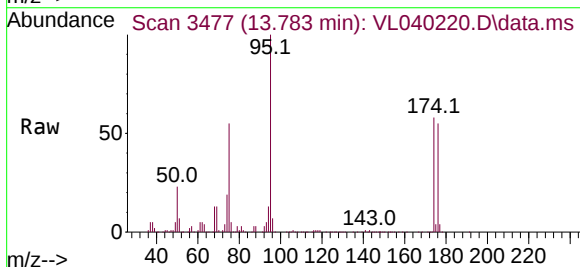
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL-AIR-03-QT1-2023

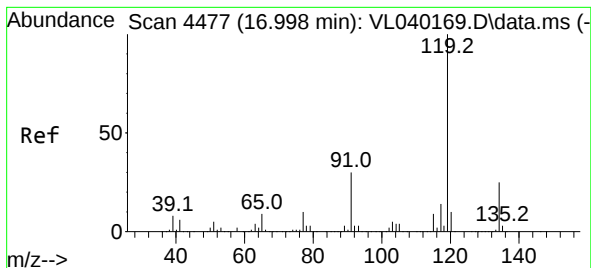
Tgt Ion:105 Resp: 125947
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.414 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion: 95 Resp: 1573219
 Ion Ratio Lower Upper
 95 100
 174 58.3 48.2 72.2
 175 4.2 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.341 ppbv

RT: 17.005 min Scan# 4479

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_1

ClientSampleId :

MDL-AIR-03-QT1-2023

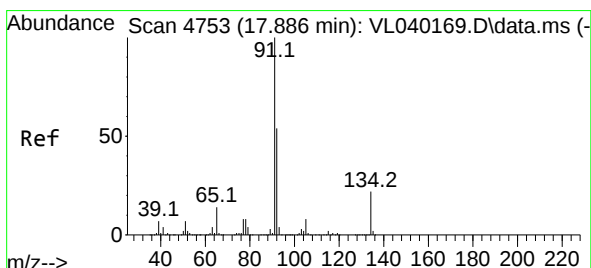
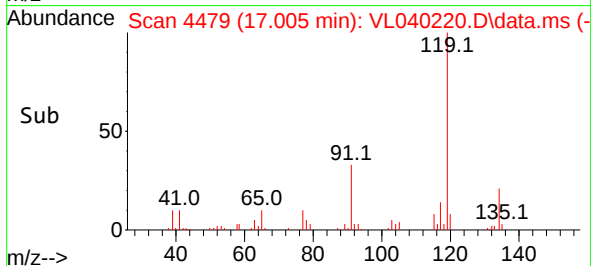
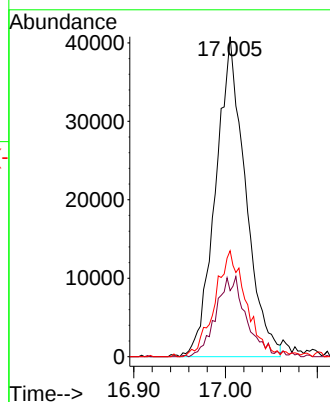
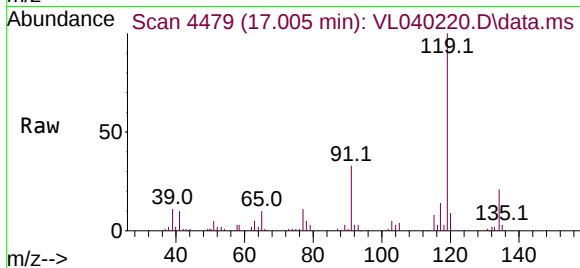
Tgt Ion:119 Resp: 92085

Ion Ratio Lower Upper

119 100

134 25.9 20.2 30.2

91 35.5 24.7 37.1



#70

n-Butylbenzene

Concen: 0.202 ppbv

RT: 17.896 min Scan# 4756

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

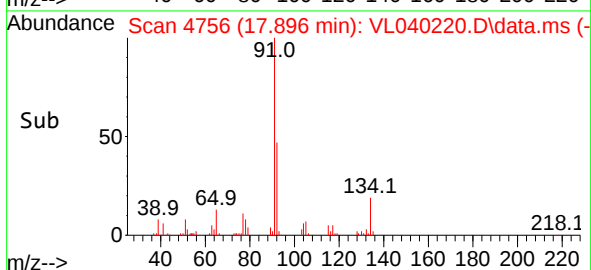
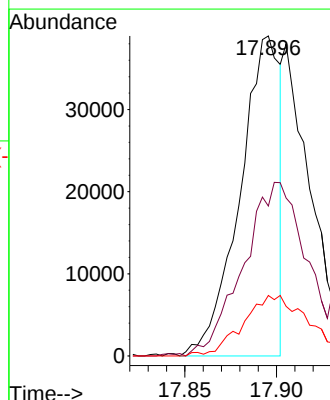
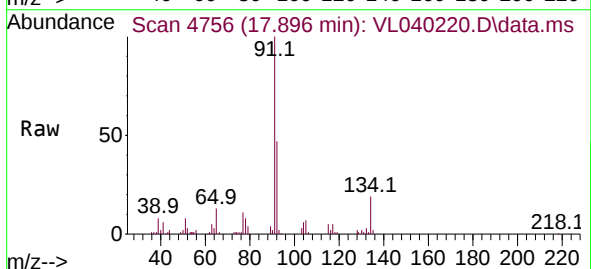
Tgt Ion: 91 Resp: 59135

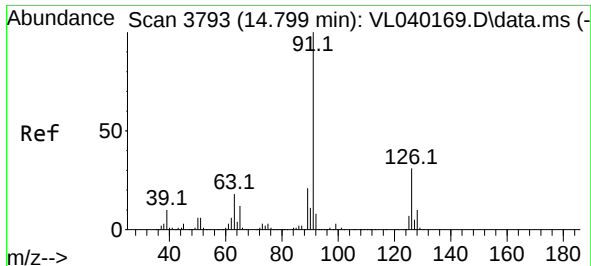
Ion Ratio Lower Upper

91 100

92 93.7 43.0 64.6#

134 32.9 16.9 25.3#

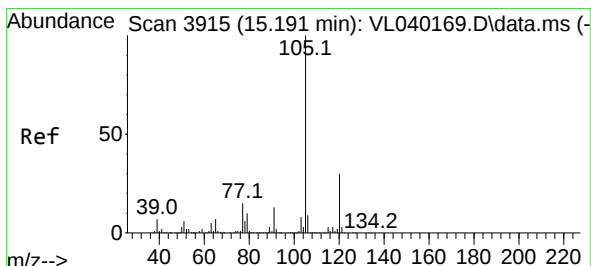
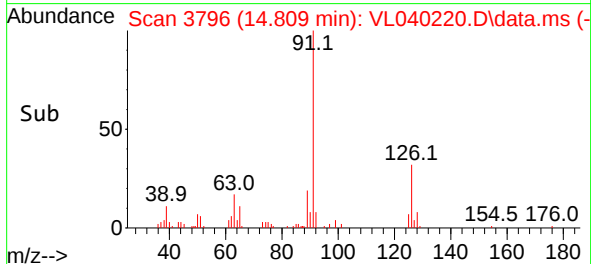
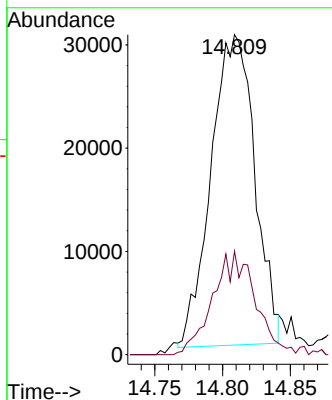
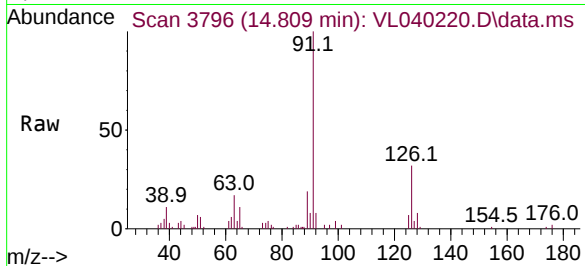




#71
2-Chlorotoluene
Concen: 0.323 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

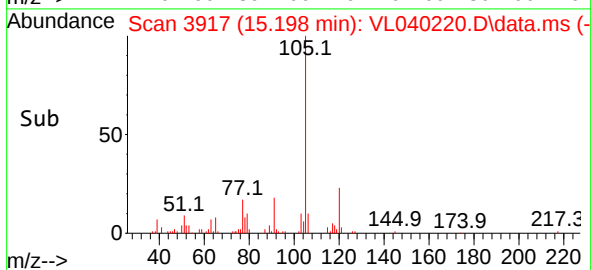
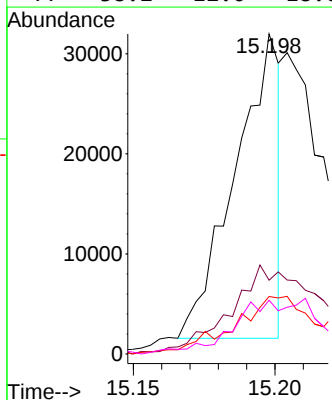
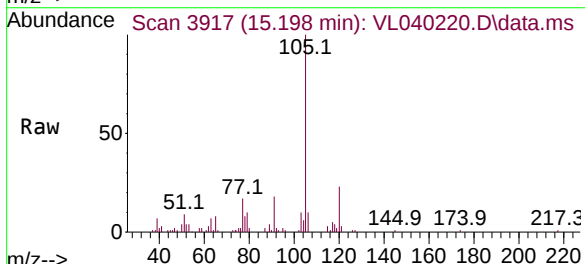
Instrument :
MSVOA_1
ClientSampleId :
MDL-AIR-03-QT1-2023

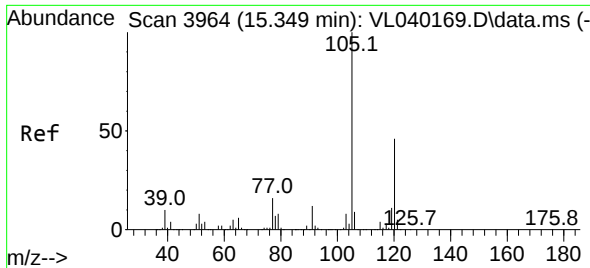
Tgt Ion: 91 Resp: 67475
Ion Ratio Lower Upper
91 100
126 32.4 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.158 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 105 Resp: 33303
Ion Ratio Lower Upper
105 100
120 61.1 23.2 34.8#
91 40.7 11.3 16.9#
77 38.2 12.0 18.0#

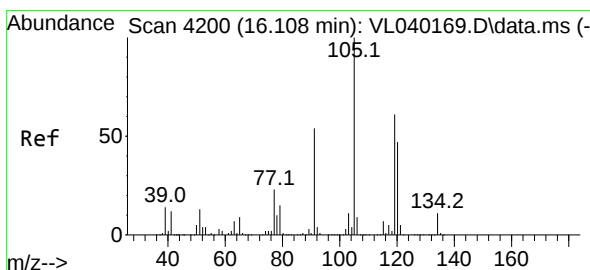
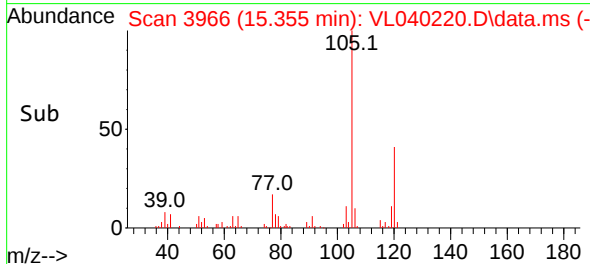
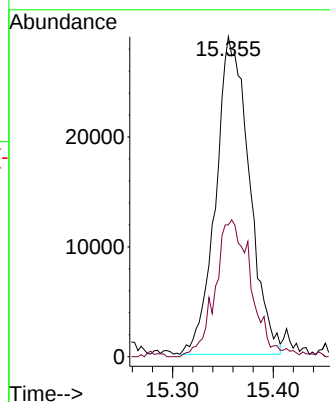
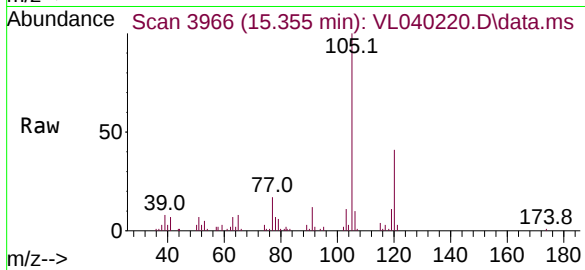




#73
1,3,5-Trimethylbenzene
Concen: 0.343 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

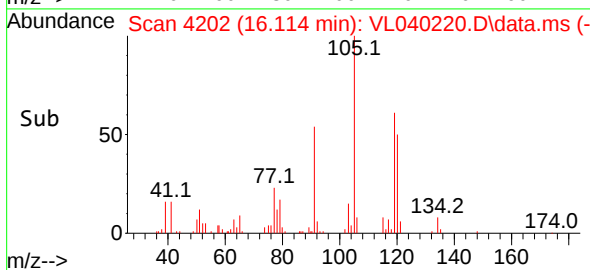
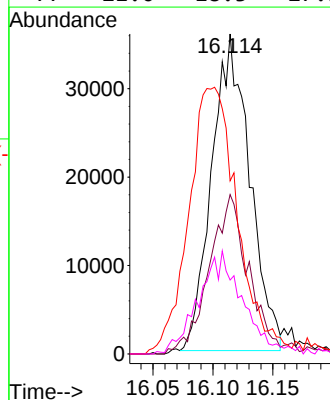
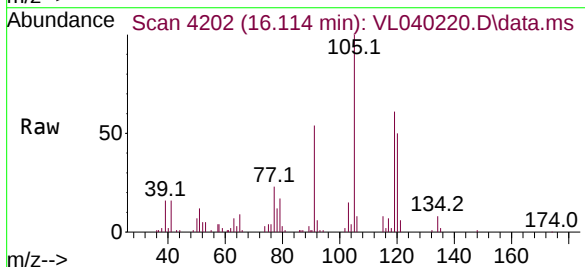
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

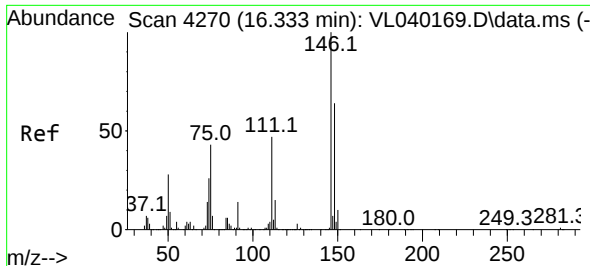
Tgt Ion:105 Resp: 67019
Ion Ratio Lower Upper
105 100
120 41.5 36.8 55.2



#74
1,2,4-Trimethylbenzene
Concen: 0.366 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:105 Resp: 78708
Ion Ratio Lower Upper
105 100
120 48.2 37.9 56.9
91 49.4 43.7 65.5
77 21.0 18.3 27.5

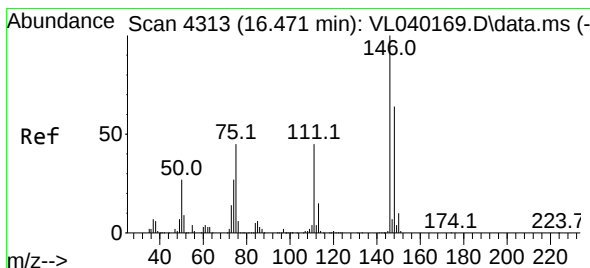
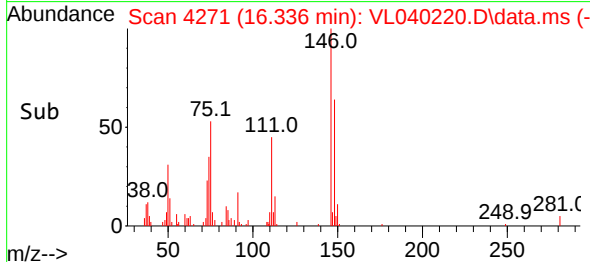
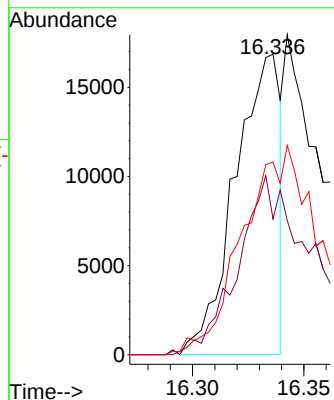
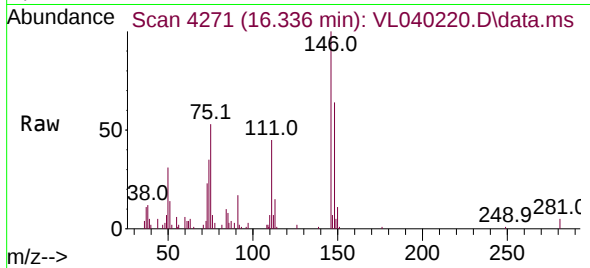




#75
1,3-Dichlorobenzene
Concen: 0.201 ppbv
RT: 16.336 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

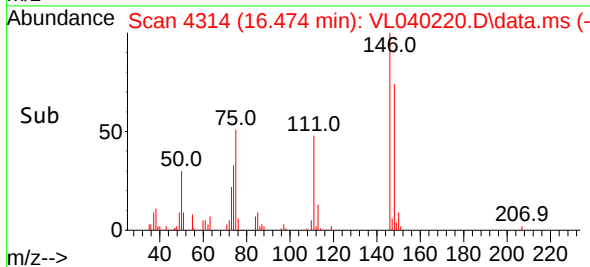
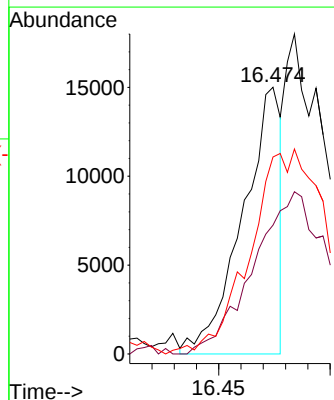
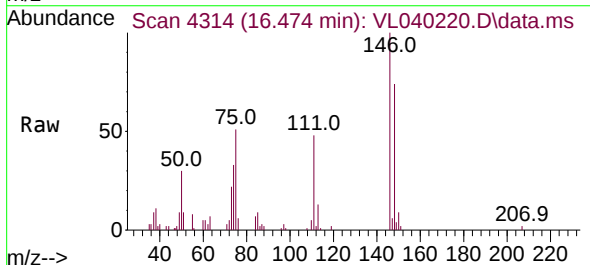
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion:146 Resp: 23669
Ion Ratio Lower Upper
146 100
111 102.0 23.9 71.8#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.156 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:146 Resp: 18012
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#

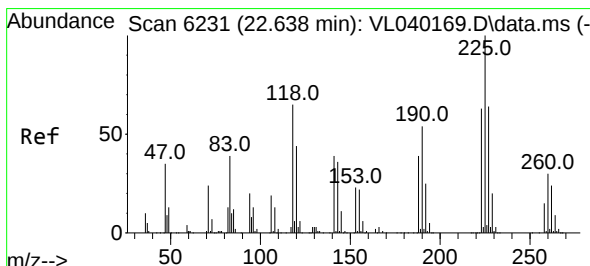
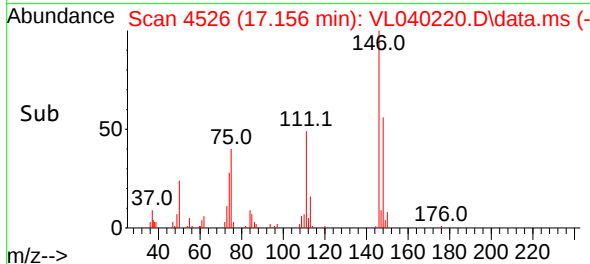
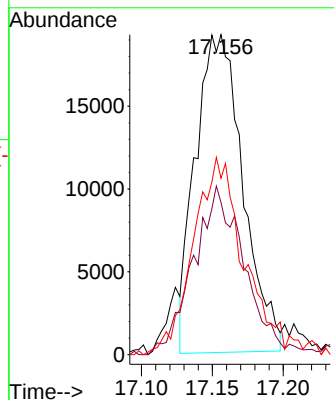
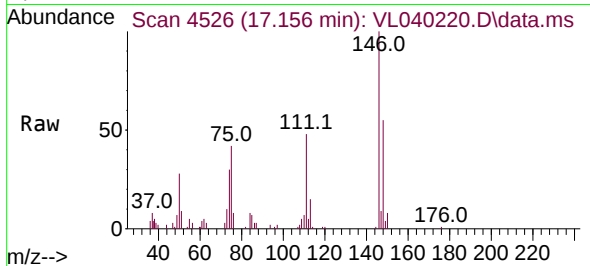




#77
1,2-Dichlorobenzene
Concen: 0.382 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

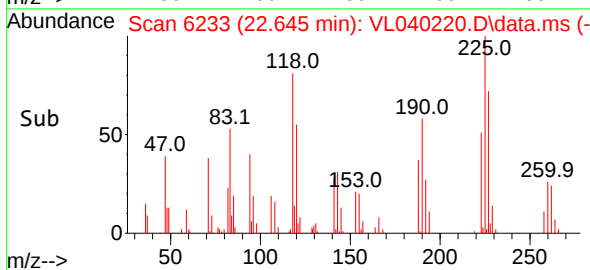
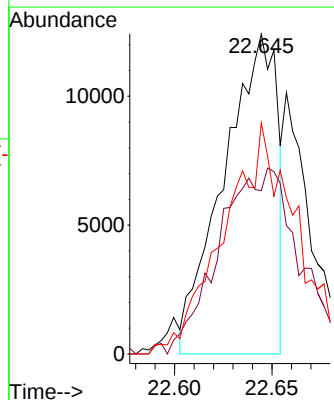
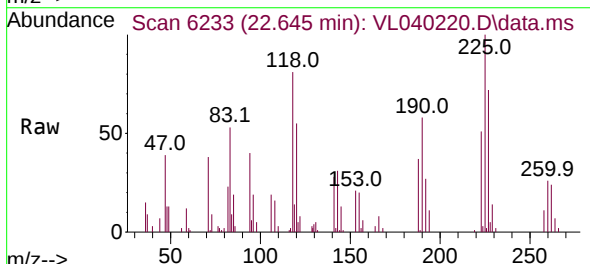
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ClientSampleId :
MDL-AIR-03-QT1-2023

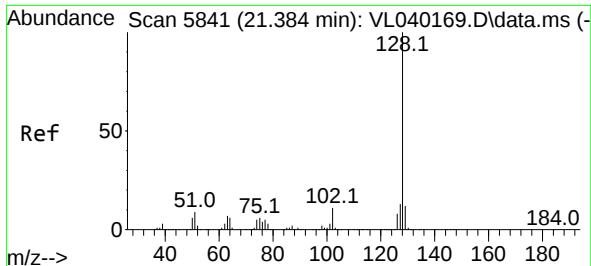
Tgt Ion:146 Resp: 44650
Ion Ratio Lower Upper
146 100
111 57.2 25.3 75.8
148 68.0 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.296 ppbv
RT: 22.645 min Scan# 6233
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:225 Resp: 23738
Ion Ratio Lower Upper
225 100
223 90.9 51.0 76.6#
227 98.6 51.2 76.8#

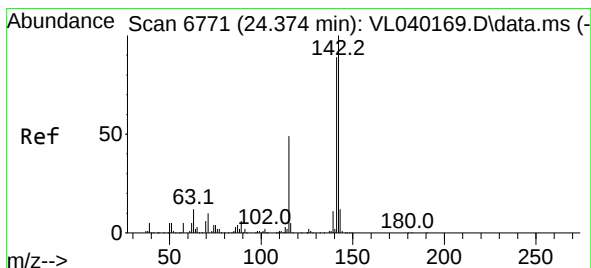
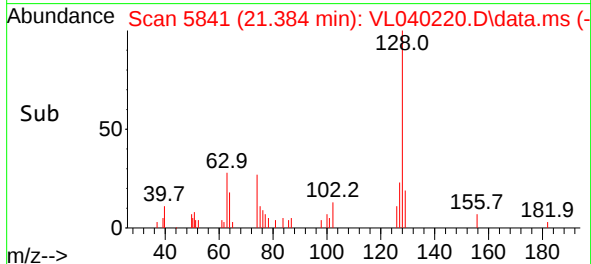
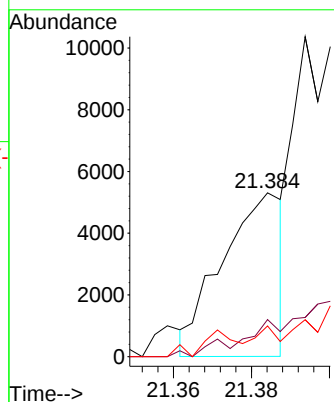
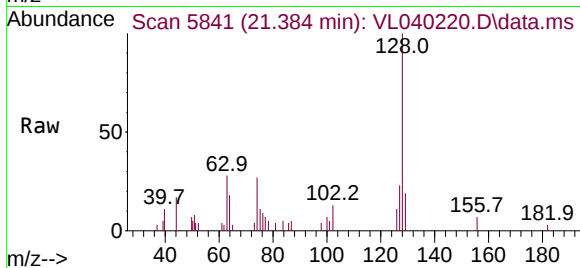




#79
Naphthalene
Concen: 0.047 ppbv
RT: 21.384 min Scan# 51
Delta R.T. -0.016 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

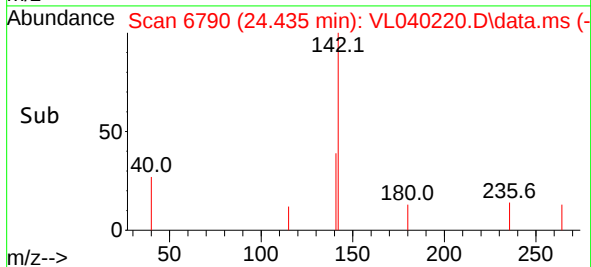
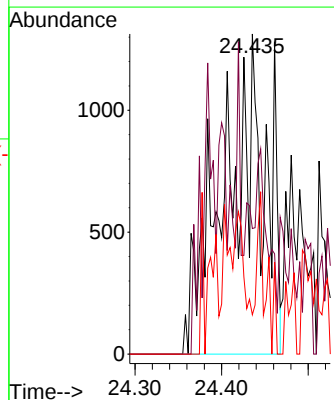
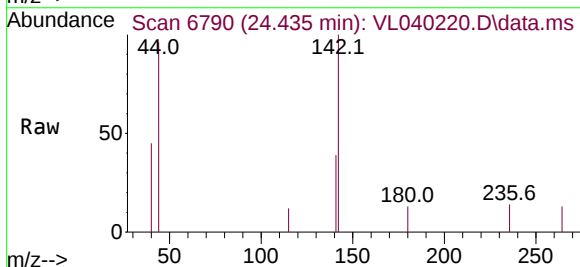
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

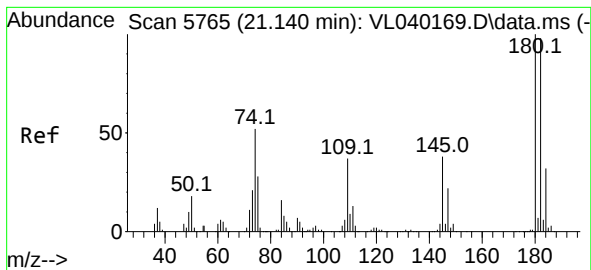
Tgt Ion:128 Resp: 5675
Ion Ratio Lower Upper
128 100
127 22.7 10.2 15.4#
129 13.7 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 0.120 ppbv
RT: 24.435 min Scan# 6790
Delta R.T. 0.052 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:142 Resp: 4137
Ion Ratio Lower Upper
142 100
141 100.7 67.3 100.9
115 43.9 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.028 ppbv

RT: 21.130 min Scan# 51

Delta R.T. -0.019 min

Lab File: VL040220.D

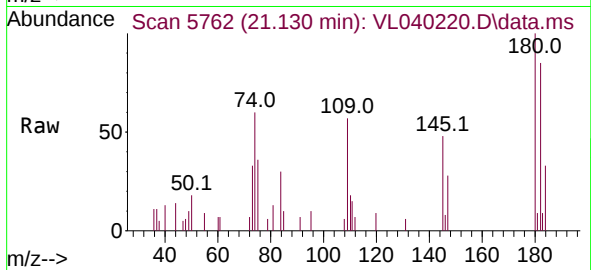
Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 2138

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 0.0 24.6 36.8#

