

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040205.D
 Acq On : 21 Feb 2023 21:46
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

Quant Time: Feb 22 05:07:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	841890	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2195501	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.478	117	1977634	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1648214	10.135	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	95499	0.609	ppbv	97
3) Chlorodifluoromethane	2.671	51	57935	0.576	ppbv	95
4) Chloromethane	2.809	50	36577	0.579	ppbv	94
5) Vinyl Chloride	2.919	62	26085	0.514	ppbv	100
6) Bromomethane	3.115	94	10140	0.553	ppbv	98
7) Chloroethane	3.195	64	11852	0.589	ppbv #	73
8) Dichlorotetrafluoroethane	2.851	85	76618	0.567	ppbv	98
9) Propene	2.690	41	22896	0.559	ppbv	99
10) Heptane	7.587	43	23508	0.241	ppbv #	19
11) Trichlorofluoromethane	3.558	101	77139	0.548	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.066	101	58275	0.561	ppbv	99
13) Ethanol	3.253	45	2639	0.699	ppbv #	5
14) Bromoethene	3.366	108	21881	0.549	ppbv	94
15) Acetone	3.481	43	63354	0.625	ppbv	94
16) 1,3-Butadiene	2.980	39	21314	0.460	ppbv	85
17) tert-Butyl alcohol	3.893	59	28761	0.311	ppbv #	61
18) 1,1-Dichloroethene	3.877	96	25184	0.558	ppbv	94
19) Isopropyl Alcohol	3.594	45	29122	0.604	ppbv #	97
20) Methylene Chloride	3.928	84	36332	0.689	ppbv	91
21) Allyl Chloride	3.999	41	29154	0.469	ppbv #	77
22) trans-1,2-Dichloroethene	4.443	96	11968	0.256	ppbv #	82
23) Vinyl Acetate	4.629	43	8468	0.275	ppbv #	73
24) 1,1-Dichloroethane	4.565	63	52168	0.543	ppbv	98
25) Ethyl Acetate	5.214	43	95226	0.505	ppbv #	97
26) Hexane	5.214	57	39692	0.491	ppbv	88
27) Carbon Disulfide	4.124	76	44866	0.437	ppbv #	91
28) Methyl tert-Butyl Ether	4.597	73	44673	0.515	ppbv	95
29) Chloroform	5.272	83	75741	0.545	ppbv	92
30) Cyclohexane	6.607	84	33884	0.533	ppbv #	84
31) cis-1,2-Dichloroethene	5.076	61	42555	0.554	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	72160	0.553	ppbv	97
34) 2-Butanone	4.800	43	57649	0.532	ppbv	96
35) Carbon Tetrachloride	6.494	117	67662	0.521	ppbv	97
36) Benzene	6.372	78	84219	0.493	ppbv	97
37) 1,2-Dichloroethane	5.806	62	56758	0.531	ppbv	99
38) Trichloroethene	7.298	130	45523	0.484	ppbv	90
39) 1,2-Dichloropropane	7.076	63	33921	0.510	ppbv #	91
40) 1,4-Dioxane	7.320	88	7481	0.281	ppbv #	1
41) Tetrahydrofuran	5.587	42	27182	0.433	ppbv	97
42) Bromodichloromethane	7.256	83	31364	0.213	ppbv	99
43) Methyl Methacrylate	7.491	69	26618	0.421	ppbv	90
44) 2,2,4-Trimethylpentane	7.330	57	138487	0.486	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	11386	0.203	ppbv	99

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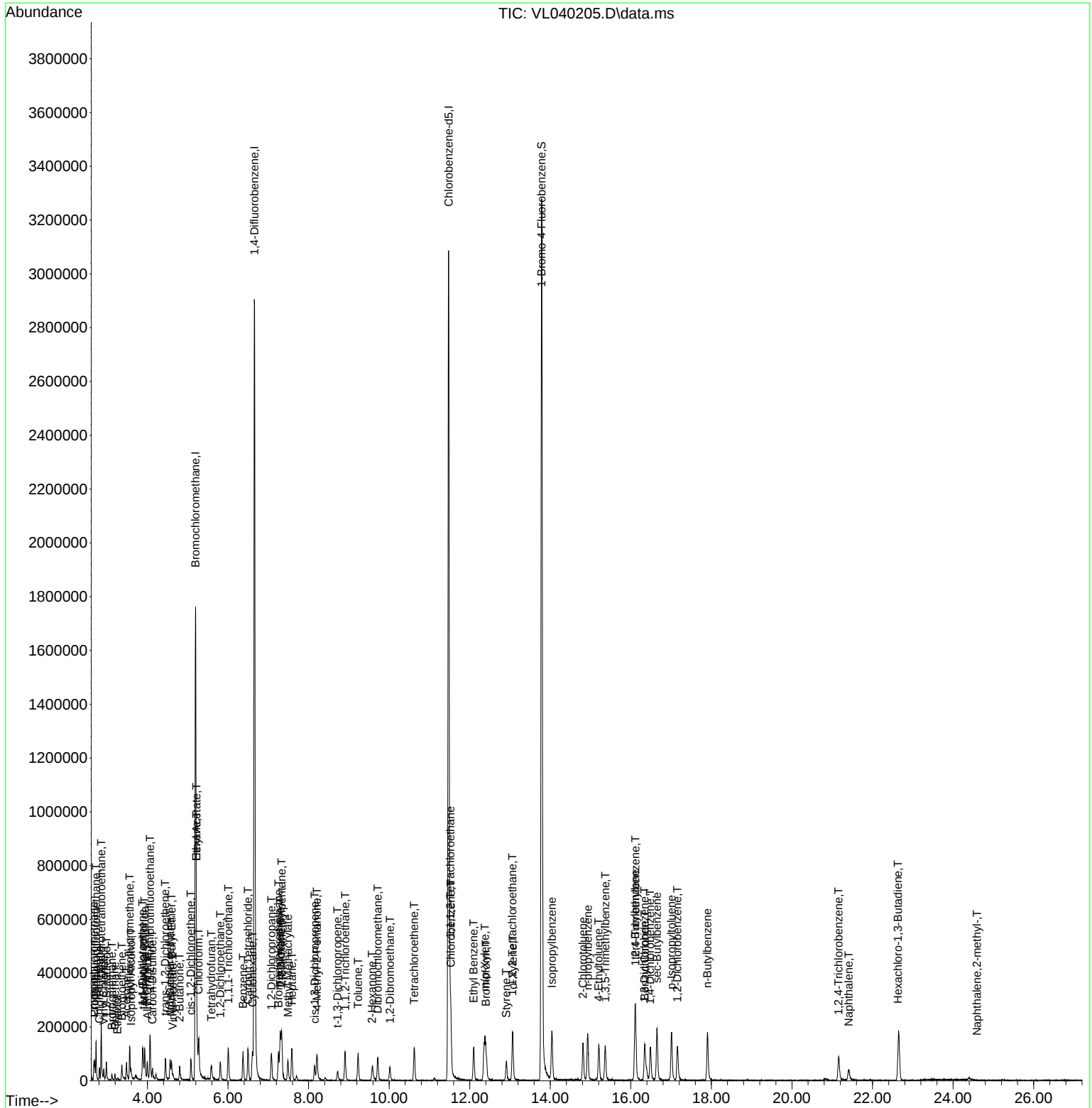
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

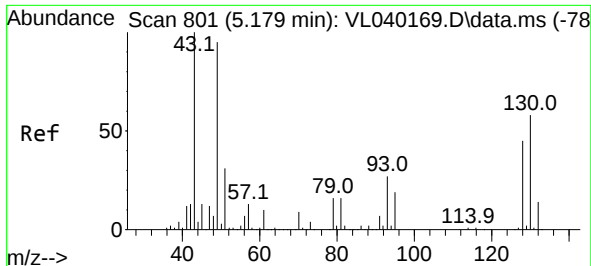
Quant Time: Feb 22 05:07:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	30399	0.389	ppbv #	92
47) 1,1,2-Trichloroethane	8.912	97	33544	0.467	ppbv #	86
48) Dibromochloromethane	9.716	129	50400	0.438	ppbv	99
49) Bromoform	12.404	173	9997	0.111	ppbv #	27
50) 4-Methyl-2-Pentanone	8.205	43	78191	0.465	ppbv	99
51) 2-Hexanone	9.574	43	17530	0.136	ppbv #	29
52) Tetrachloroethene	10.622	164	15758	0.295	ppbv	93
53) Toluene	9.230	91	77785	0.425	ppbv	99
54) 1,2-Dibromoethane	10.021	107	37362	0.500	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.516	131	43535	0.524	ppbv #	1
57) Chlorobenzene	11.536	112	77094	0.534	ppbv	98
58) Ethyl Benzene	12.098	91	108950	0.453	ppbv	94
59) m/p-Xylene	12.378	91	117509	0.552	ppbv #	55
60) o-Xylene	13.069	91	59954	0.293	ppbv #	33
61) Styrene	12.909	104	4221	0.039	ppbv #	1
62) Isopropylbenzene	14.037	105	147434	0.502	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.056	83	25329	0.343	ppbv #	24
64) n-propylbenzene	14.931	120	34433	0.473	ppbv	77
65) tert-Butylbenzene	16.108	119	118360	0.463	ppbv	91
66) Benzyl Chloride	16.346	91	2233	0.131	ppbv #	50
67) sec-Butylbenzene	16.651	105	120101	0.328	ppbv #	60
69) p-Isopropyltoluene	17.008	119	125687	0.433	ppbv	94
70) n-Butylbenzene	17.902	91	145216	0.461	ppbv	96
71) 2-Chlorotoluene	14.812	91	106358	0.473	ppbv	97
72) 4-Ethyltoluene	15.201	105	47869	0.211	ppbv #	49
73) 1,3,5-Trimethylbenzene	15.368	105	99220	0.471	ppbv	86
74) 1,2,4-Trimethylbenzene	16.117	105	111626	0.482	ppbv #	89
75) 1,3-Dichlorobenzene	16.339	146	41047	0.324	ppbv #	33
76) 1,4-Dichlorobenzene	16.481	146	25918	0.209	ppbv #	23
77) 1,2-Dichlorobenzene	17.156	146	46464	0.369	ppbv	66
78) Hexachloro-1,3-Butadiene	22.632	225	6021	0.070	ppbv #	18
79) Naphthalene	21.410	128	28749	0.221	ppbv	97
80) Naphthalene,2-methyl-	24.590	142	592	0.016	ppbv	96
81) 1,2,4-Trichlorobenzene	21.153	180	19131	0.235	ppbv #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

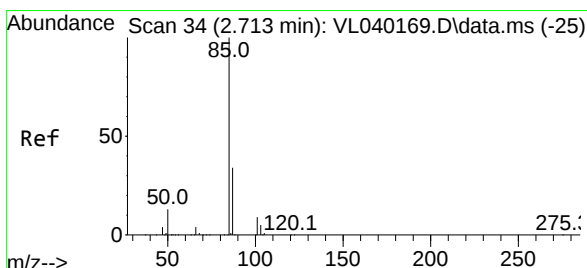
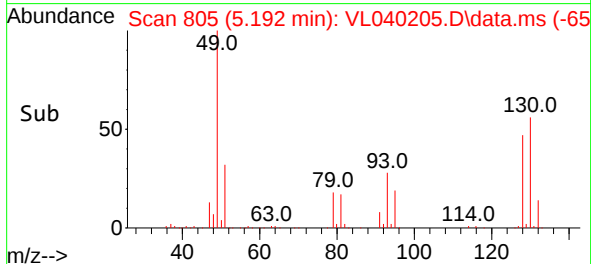
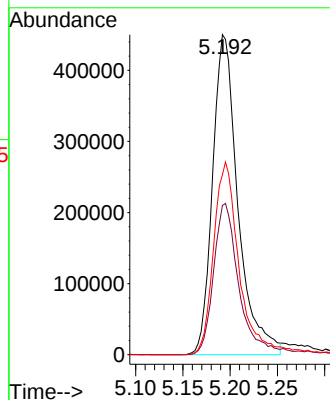
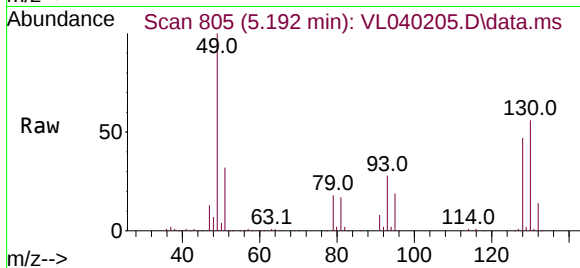




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.013 min
 Lab File: VL040205.D
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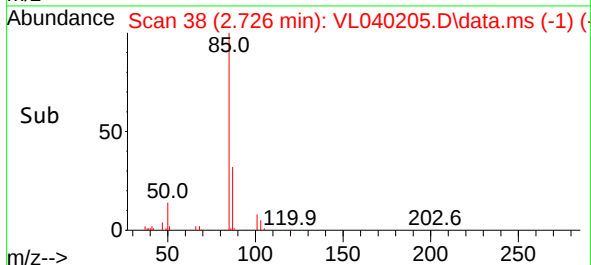
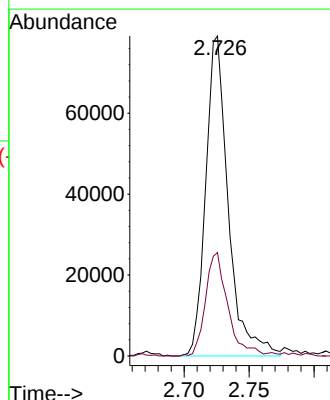
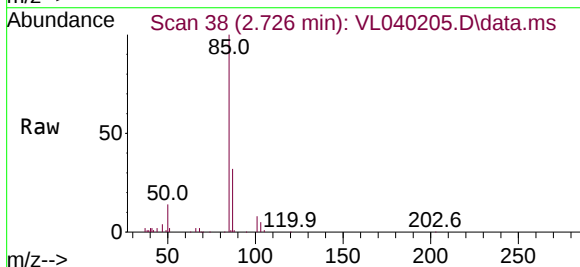
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

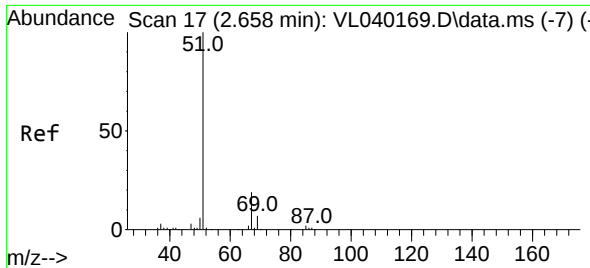
Tgt Ion: 49 Resp: 841890
 Ion Ratio Lower Upper
 49 100
 128 49.5 24.1 72.3
 130 62.7 30.9 92.8



#2
 Dichlorodifluoromethane
 Concen: 0.609 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 85 Resp: 95499
 Ion Ratio Lower Upper
 85 100
 87 32.3 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.576 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

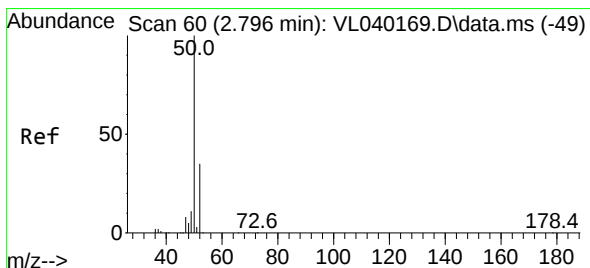
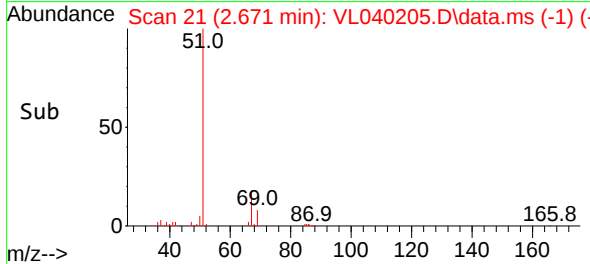
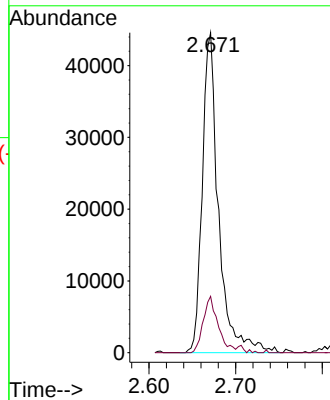
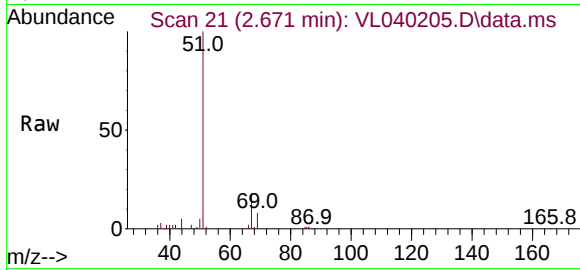
LOQ-AIR-02-QT1-2023

Tgt Ion: 51 Resp: 57935

Ion Ratio Lower Upper

51 100

67 17.3 15.4 23.2



#4

Chloromethane

Concen: 0.579 ppbv

RT: 2.809 min Scan# 64

Delta R.T. -0.003 min

Lab File: VL040205.D

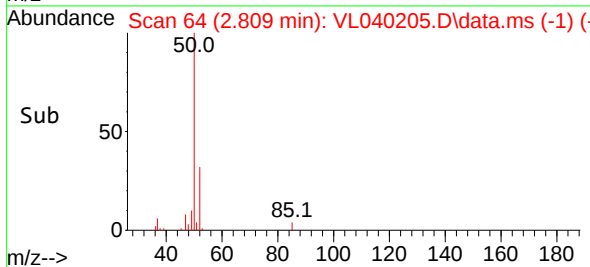
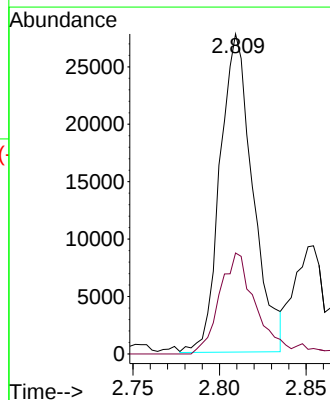
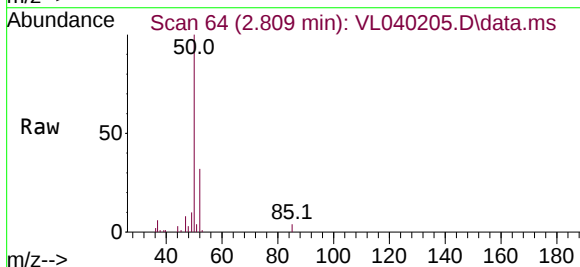
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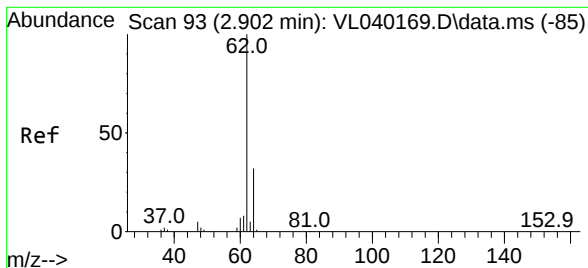
Tgt Ion: 50 Resp: 36577

Ion Ratio Lower Upper

50 100

52 31.8 28.3 42.5

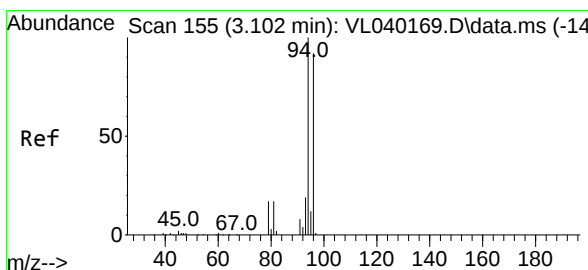
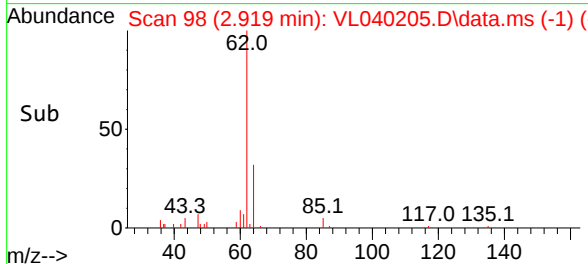
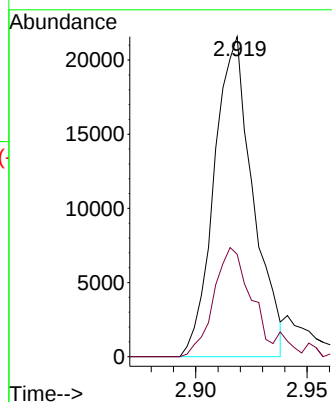
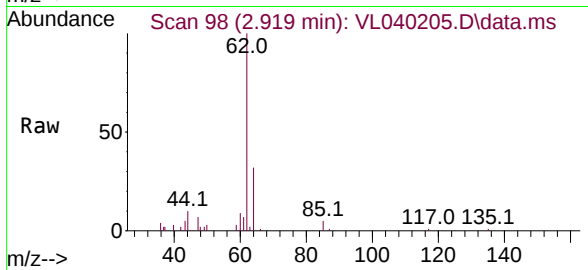




#5
 Vinyl Chloride
 Concen: 0.514 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

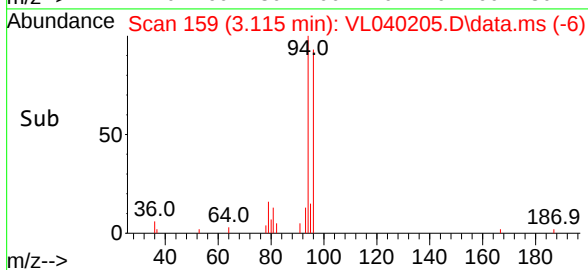
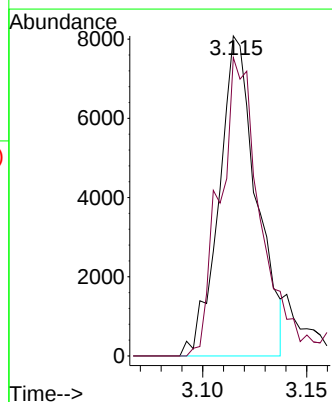
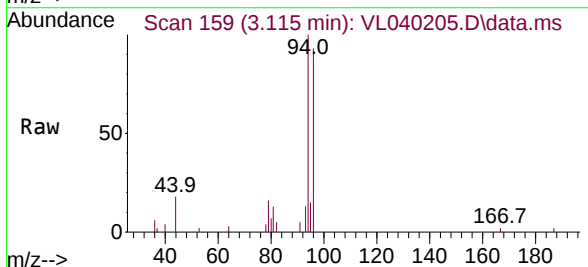
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

Tgt Ion: 62 Resp: 26085
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.6 38.4



#6
 Bromomethane
 Concen: 0.553 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.010 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 94 Resp: 10140
 Ion Ratio Lower Upper
 94 100
 96 93.3 73.4 110.2

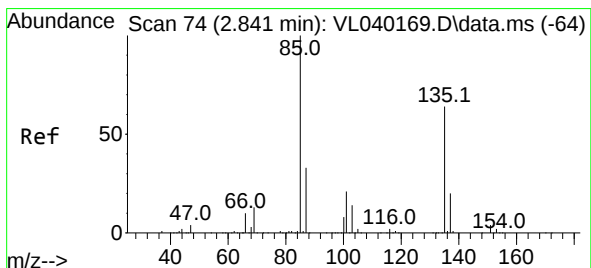
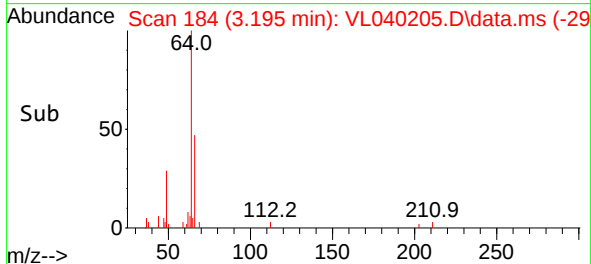
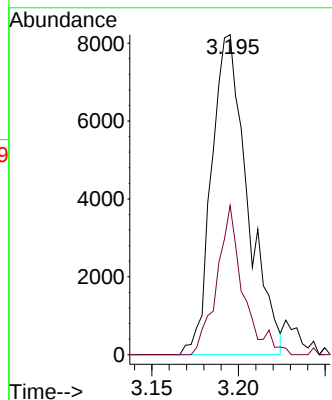
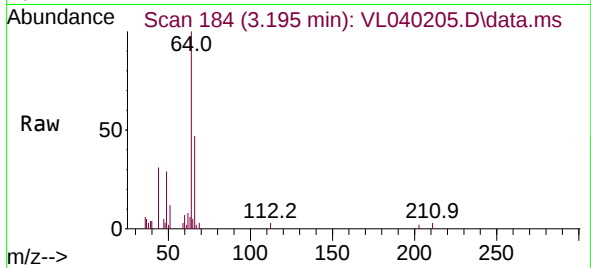




#7
Chloroethane
Concen: 0.589 ppbv
RT: 3.195 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

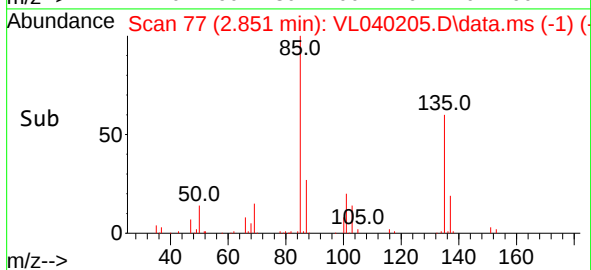
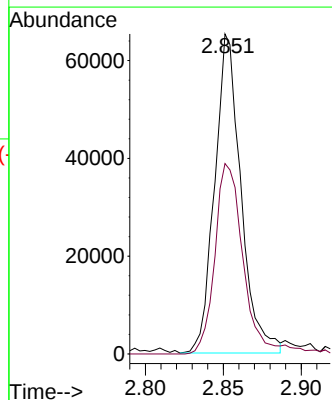
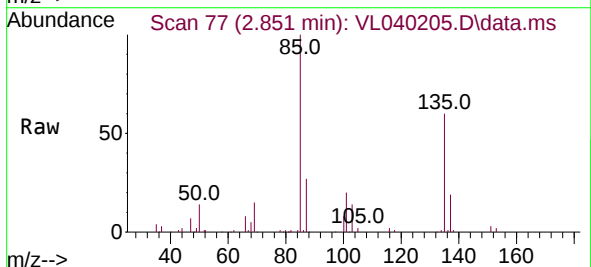
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MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

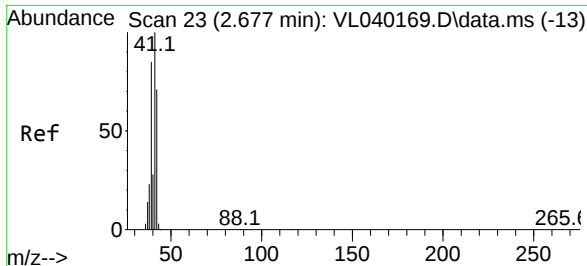
Tgt Ion: 64 Resp: 11852
Ion Ratio Lower Upper
64 100
66 46.6 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.567 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 85 Resp: 76618
Ion Ratio Lower Upper
85 100
135 66.2 51.5 77.3





#9

Propene

Concen: 0.559 ppbv

RT: 2.690 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_1

ClientSampleId :

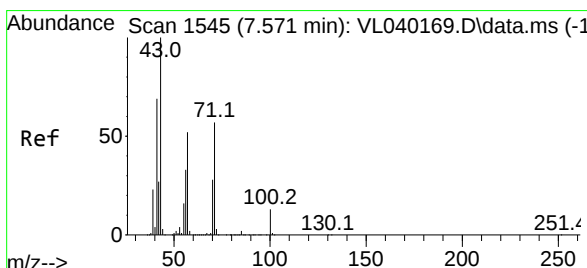
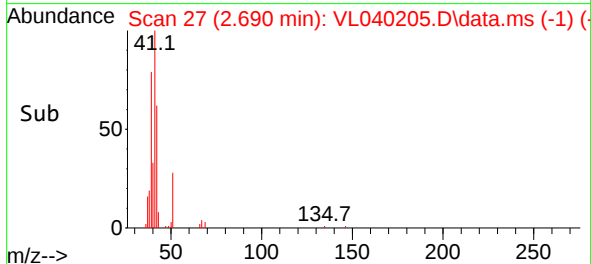
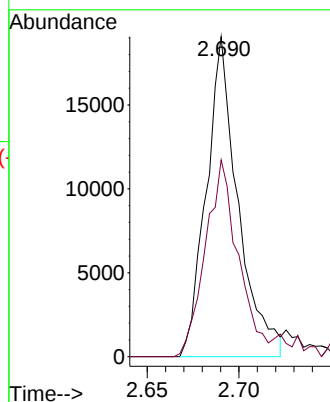
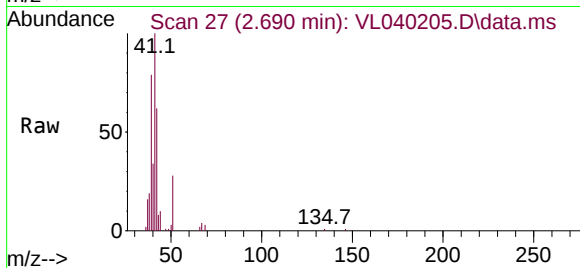
LOQ-AIR-02-QT1-2023

Tgt Ion: 41 Resp: 22896

Ion Ratio Lower Upper

41 100

42 71.8 56.9 85.3



#10

Heptane

Concen: 0.241 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. -0.016 min

Lab File: VL040205.D

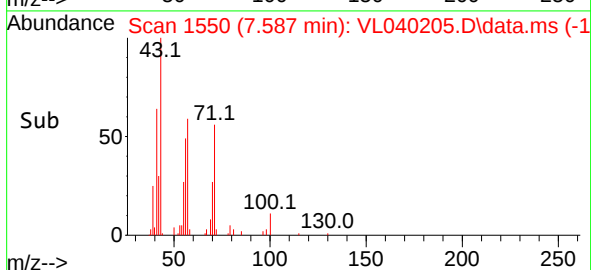
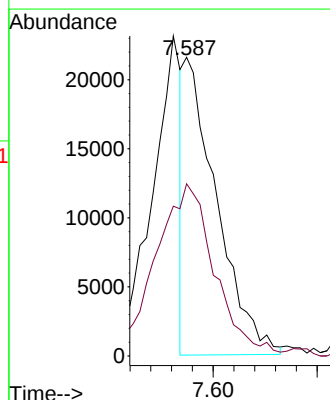
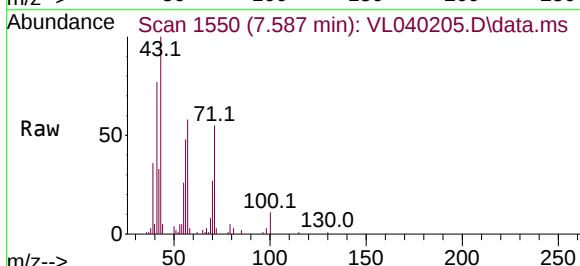
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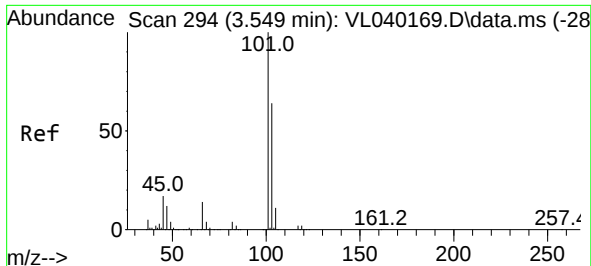
Tgt Ion: 43 Resp: 23508

Ion Ratio Lower Upper

43 100

57 108.8 41.4 62.2#

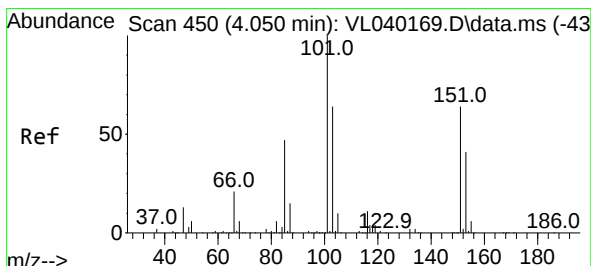
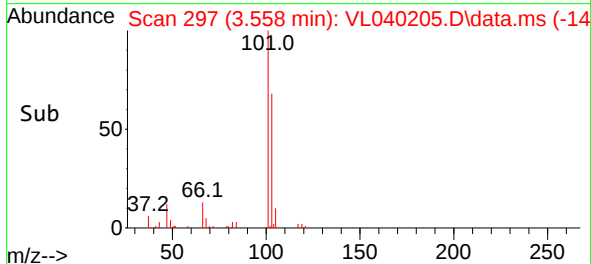
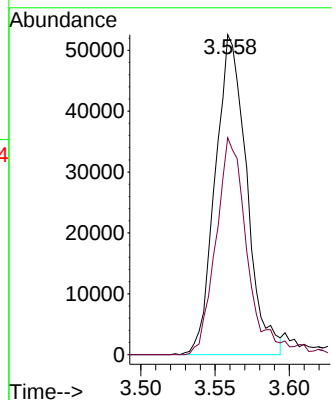
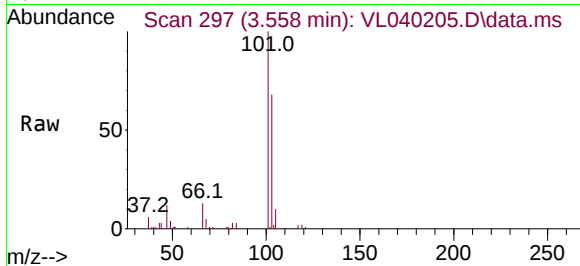




#11
Trichlorofluoromethane
Concen: 0.548 ppbv
RT: 3.558 min Scan# 294
Delta R.T. -0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

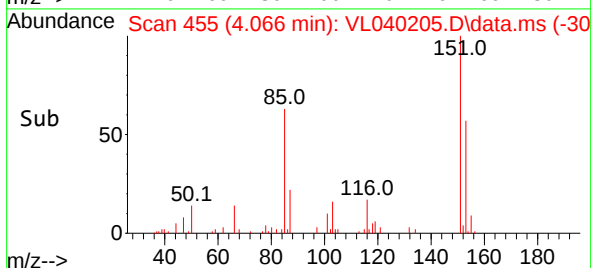
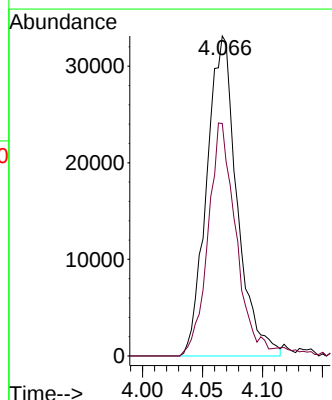
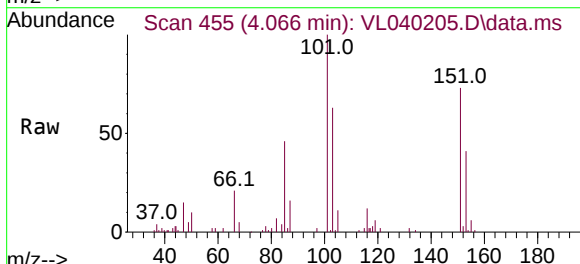
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

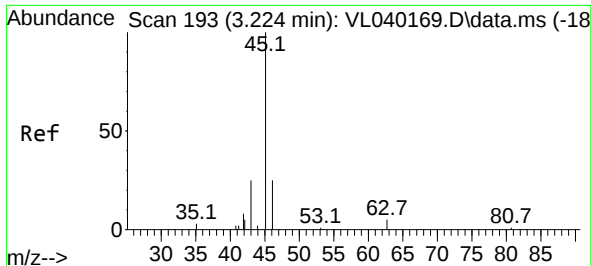
Tgt Ion:101 Resp: 77139
Ion Ratio Lower Upper
101 100
103 67.8 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.561 ppbv
RT: 4.066 min Scan# 455
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:101 Resp: 58275
Ion Ratio Lower Upper
101 100
151 69.0 54.7 82.1





#13

Ethanol

Concen: 0.699 ppbv

RT: 3.253 min Scan# 20

Delta R.T. 0.003 min

Lab File: VL040205.D

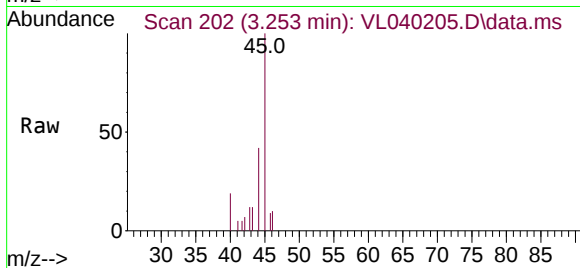
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

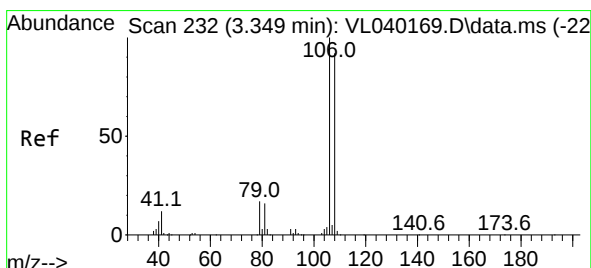
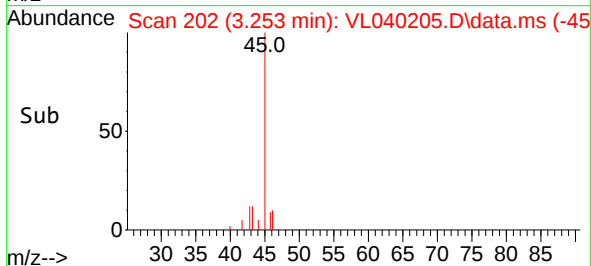
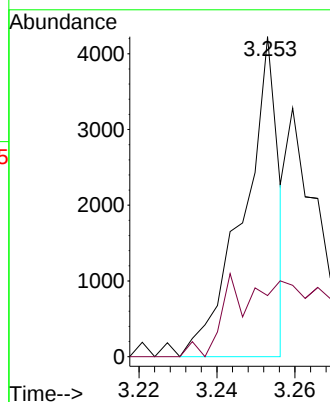


Tgt Ion: 45 Resp: 2639

Ion Ratio Lower Upper

45 100

46 87.0 13.3 53.1#



#14

Bromoethene

Concen: 0.549 ppbv

RT: 3.366 min Scan# 237

Delta R.T. -0.003 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

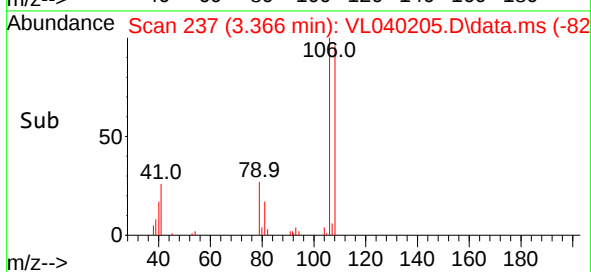
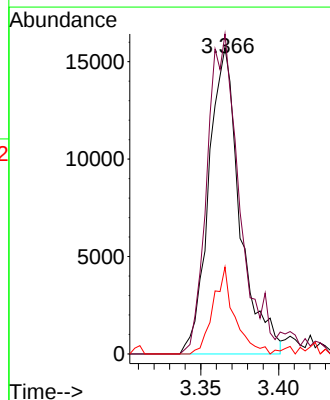
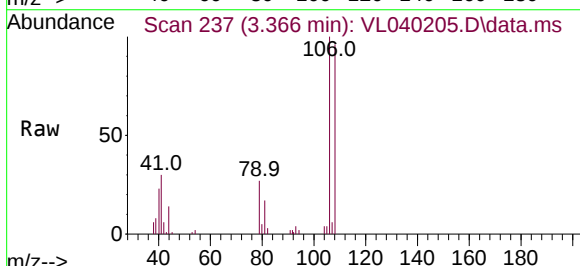
Tgt Ion: 108 Resp: 21881

Ion Ratio Lower Upper

108 100

106 115.5 87.1 130.7

79 20.4 15.4 23.2





#15

Acetone

Concen: 0.625 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

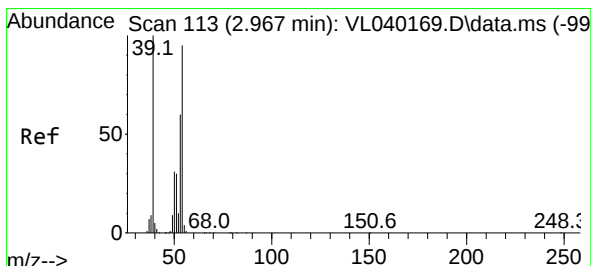
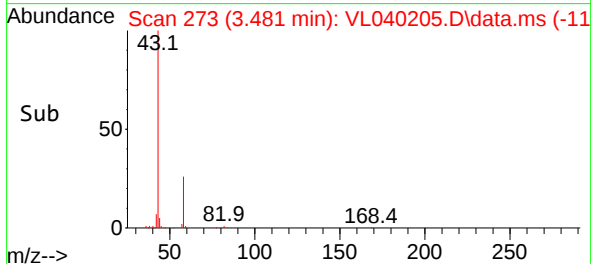
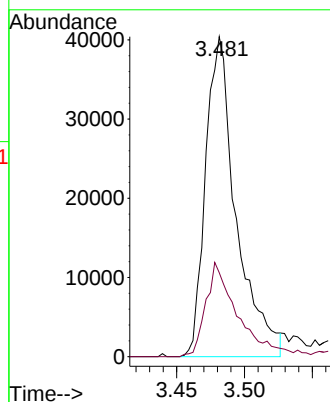
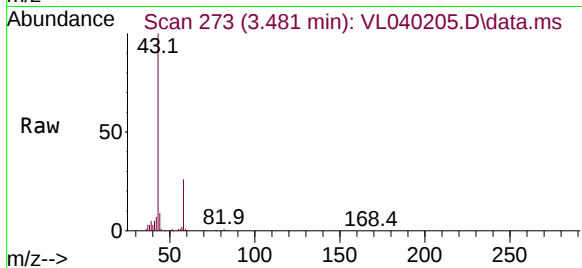
LOQ-AIR-02-QT1-2023

Tgt Ion: 43 Resp: 63354

Ion Ratio Lower Upper

43 100

58 31.4 22.4 33.6



#16

1,3-Butadiene

Concen: 0.460 ppbv

RT: 2.980 min Scan# 117

Delta R.T. -0.006 min

Lab File: VL040205.D

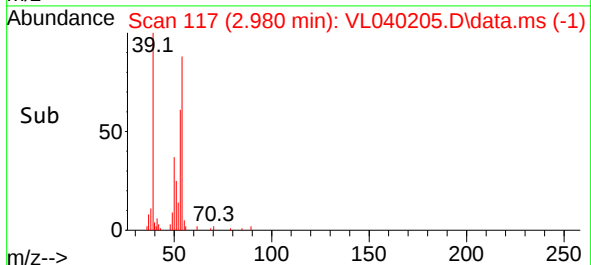
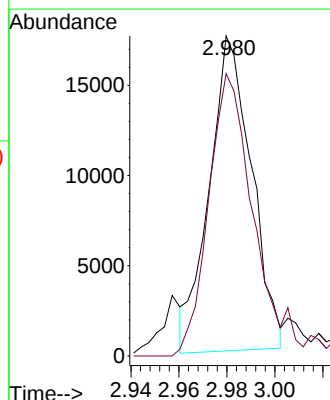
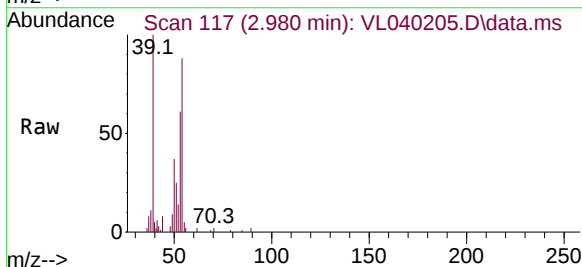
Acq: 21 Feb 2023 21:46

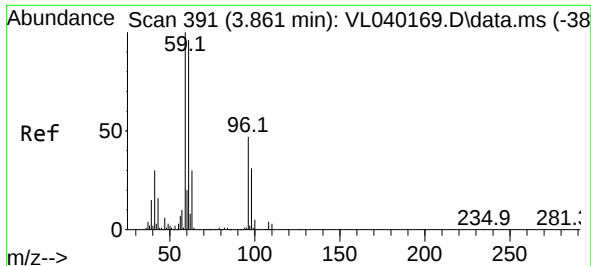
Tgt Ion: 39 Resp: 21314

Ion Ratio Lower Upper

39 100

54 96.7 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.311 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.006 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

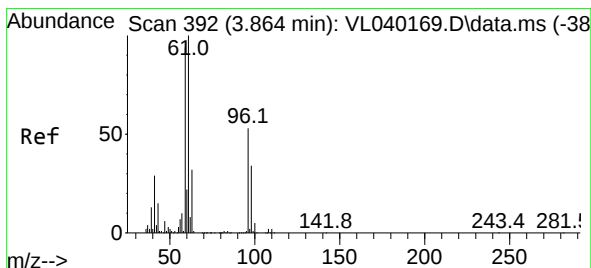
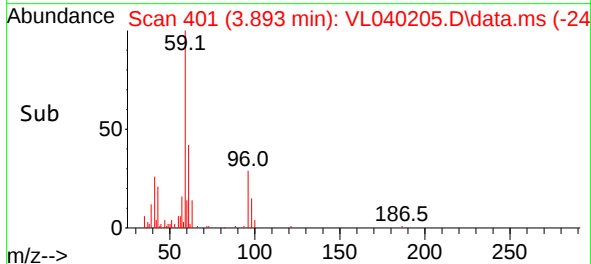
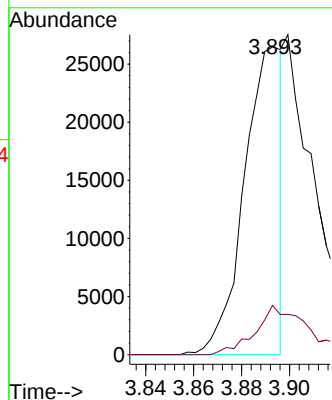
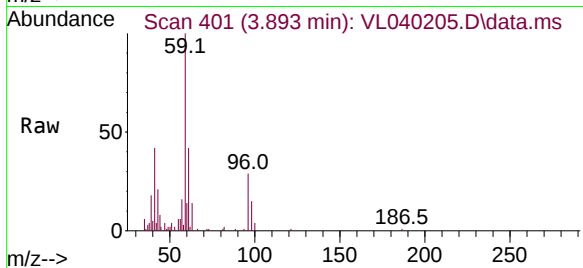
LOQ-AIR-02-QT1-2023

Tgt Ion: 59 Resp: 28761

Ion Ratio Lower Upper

59 100

57 25.2 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.558 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

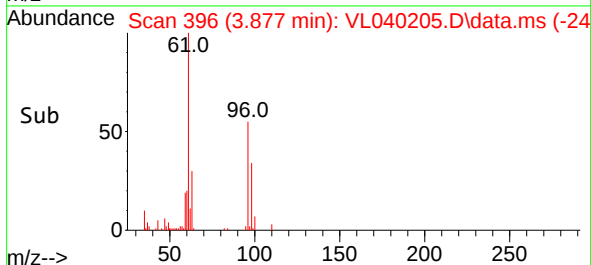
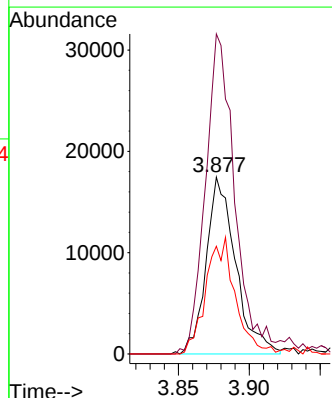
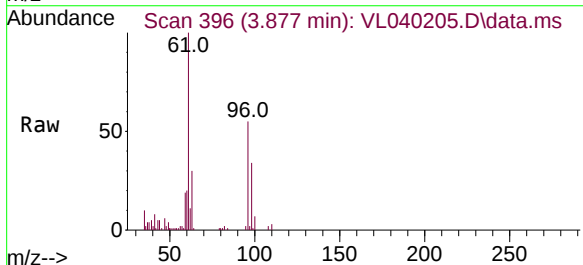
Tgt Ion: 96 Resp: 25184

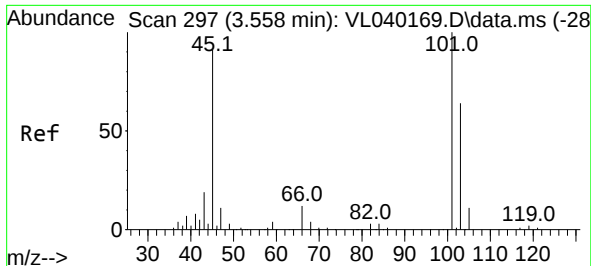
Ion Ratio Lower Upper

96 100

61 178.1 149.6 224.4

98 60.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.604 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_1

ClientSampleId :

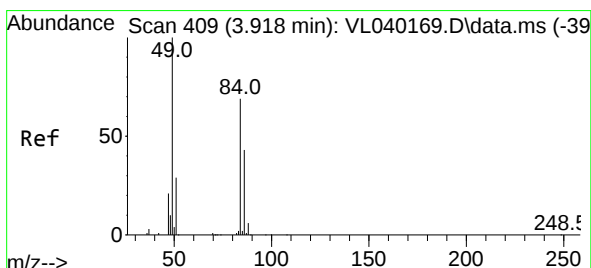
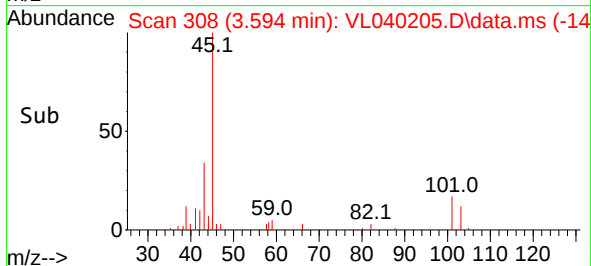
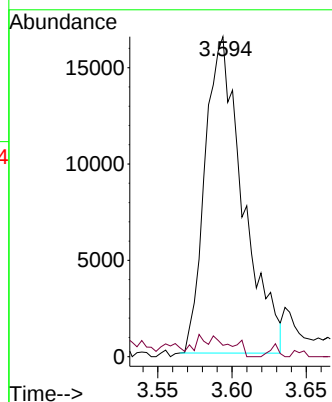
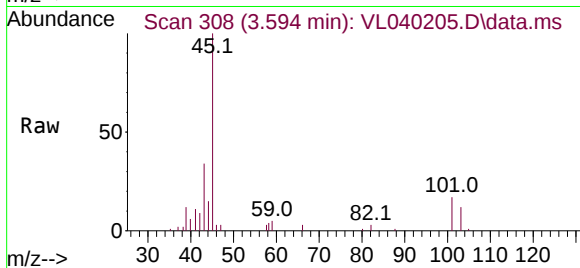
LOQ-AIR-02-QT1-2023

Tgt Ion: 45 Resp: 29122

Ion Ratio Lower Upper

45 100

58 4.1 2.6 3.8#



#20

Methylene Chloride

Concen: 0.689 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 84 Resp: 36332

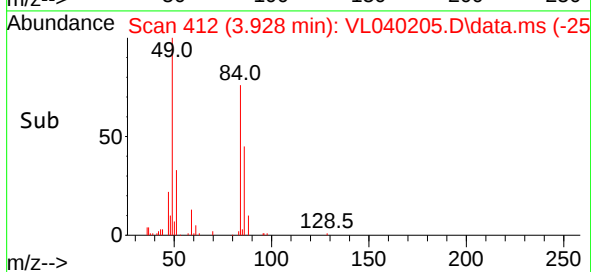
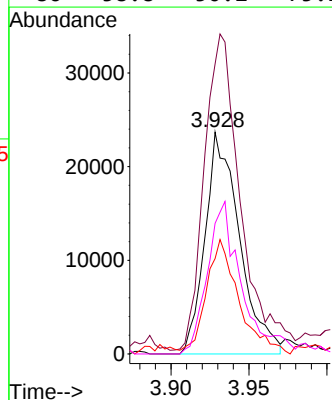
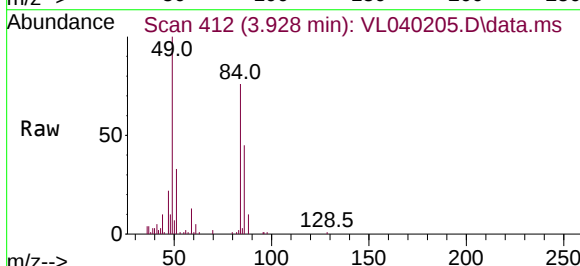
Ion Ratio Lower Upper

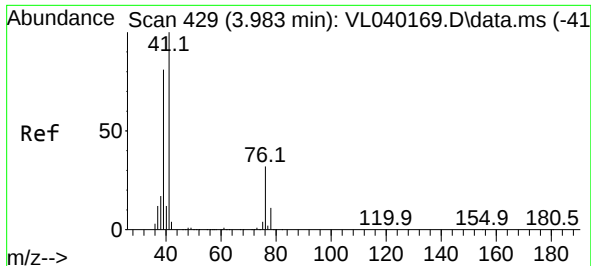
84 100

49 128.5 115.5 173.3

51 41.3 33.1 49.7

86 58.8 50.2 75.2

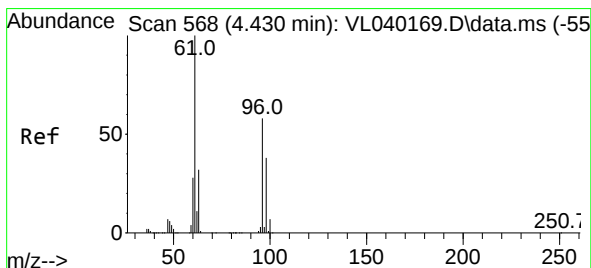
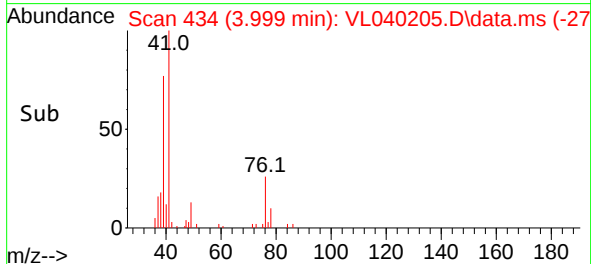
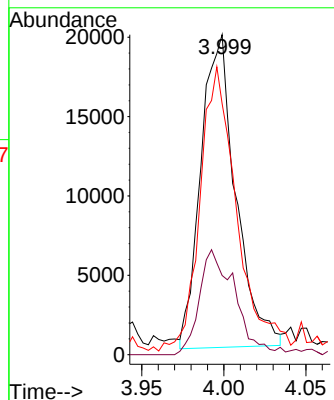
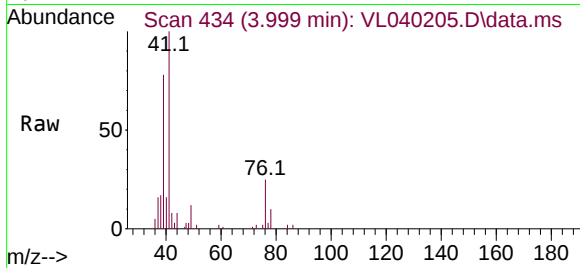




#21
 Allyl Chloride
 Concen: 0.469 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

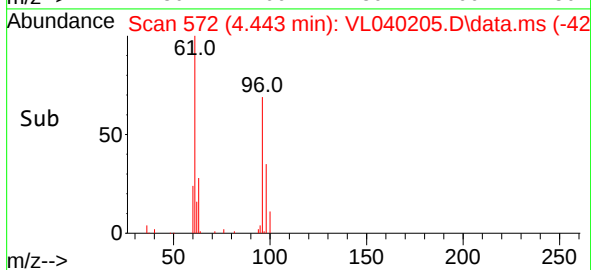
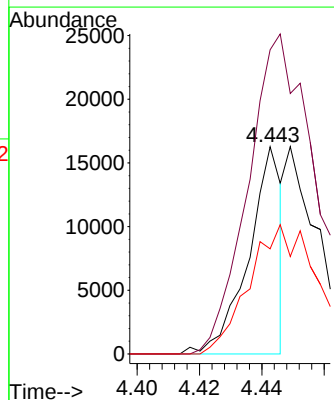
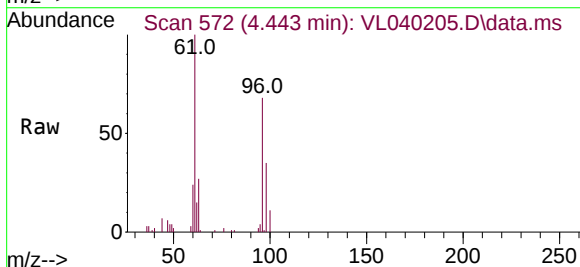
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

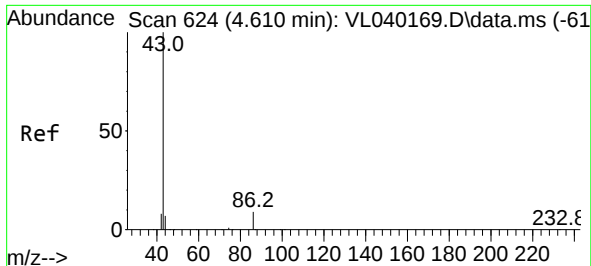
Tgt Ion: 41 Resp: 29154
 Ion Ratio Lower Upper
 41 100
 76 36.1 25.5 38.3
 39 106.5 64.5 96.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.256 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. -0.013 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 96 Resp: 11968
 Ion Ratio Lower Upper
 96 100
 61 146.8 137.5 206.3
 98 50.7 52.8 79.2#

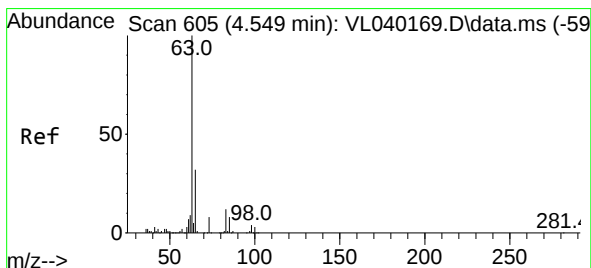
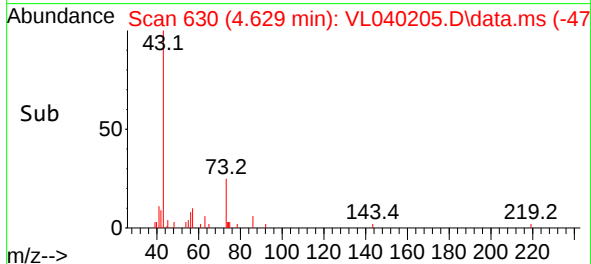
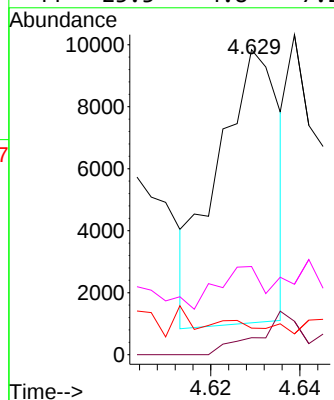
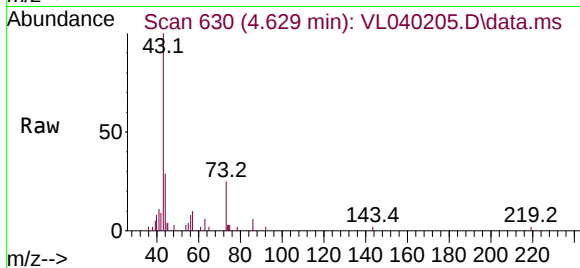




#23
 Vinyl Acetate
 Concen: 0.275 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

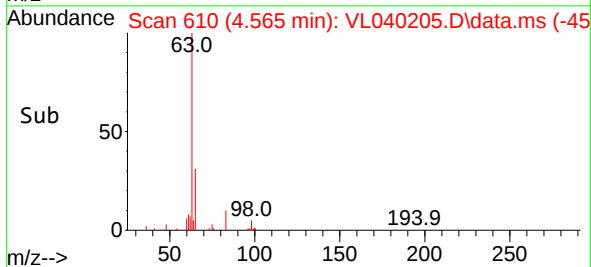
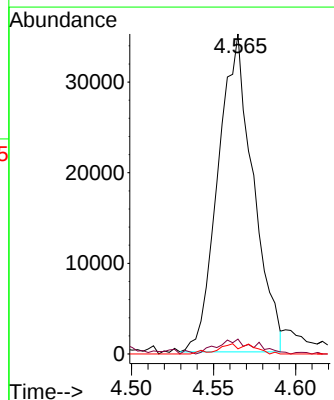
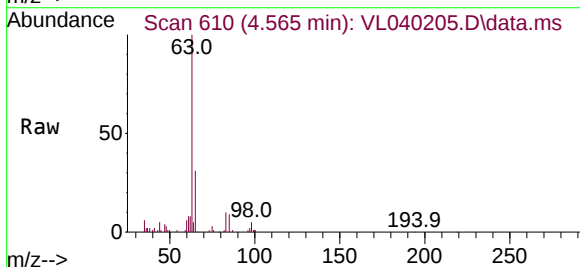
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

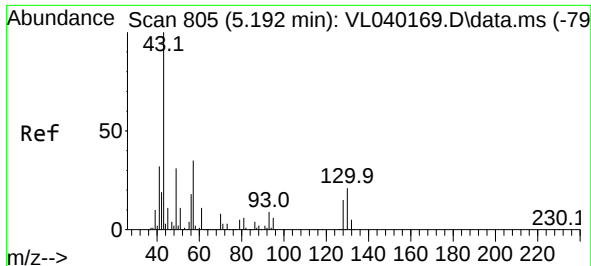
Tgt Ion: 43	Resp:	8468	
Ion	Ratio	Lower	Upper
43	100		
86	9.4	5.6	8.4#
42	0.0	7.6	11.4#
44	23.3	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.543 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 63	Resp: 52168
Ion Ratio	Lower Upper
63 100	
98 4.7	2.3 6.8
100 1.6	1.4 4.0





#25

Ethyl Acetate

Concen: 0.505 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.003 min

Lab File: VL040205.D

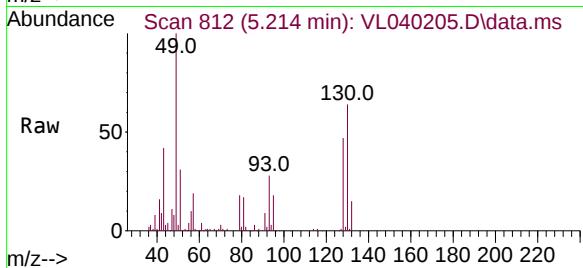
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion: 43 Resp: 95226

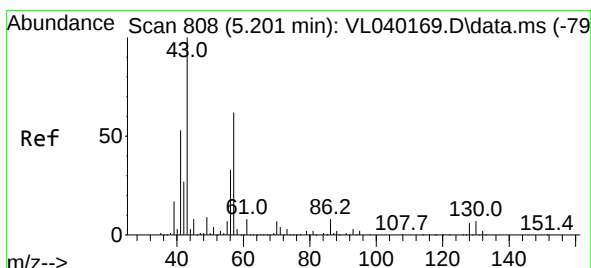
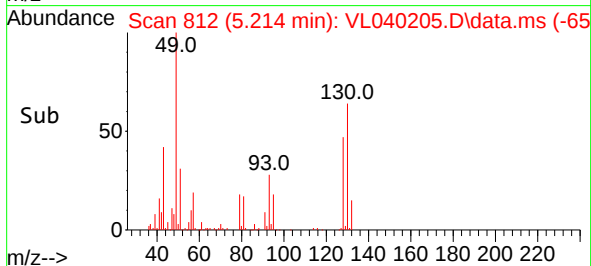
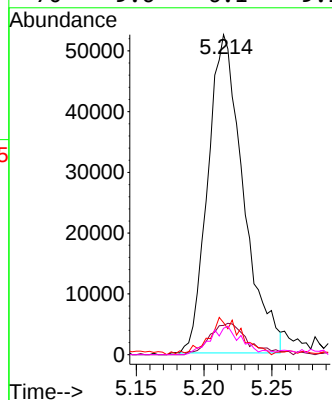
Ion Ratio Lower Upper

43 100

45 10.6 8.3 12.5

61 11.7 8.4 12.6

70 9.6 6.1 9.1#



#26

Hexane

Concen: 0.491 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 57 Resp: 39692

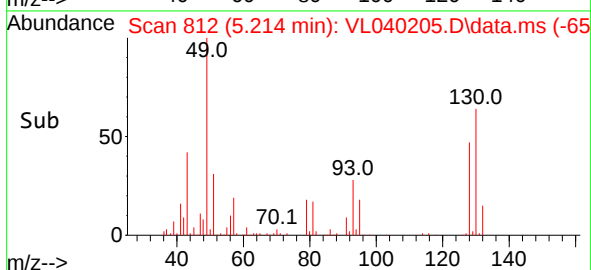
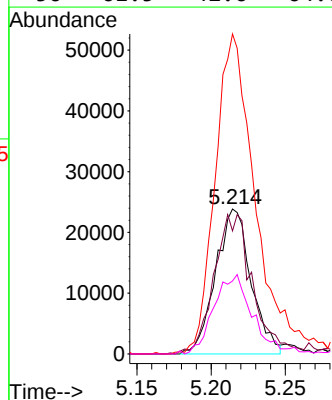
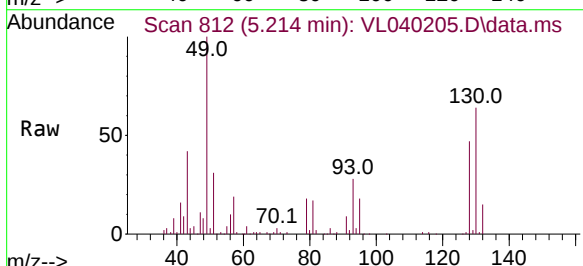
Ion Ratio Lower Upper

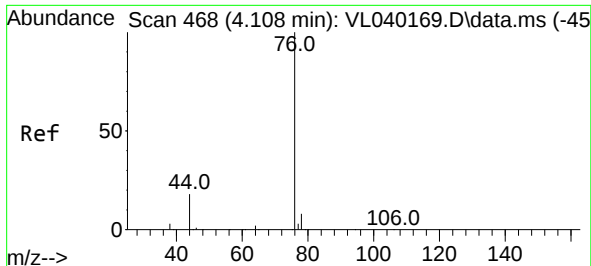
57 100

41 105.8 74.3 111.5

43 261.8 193.0 289.4

56 61.5 42.6 64.0

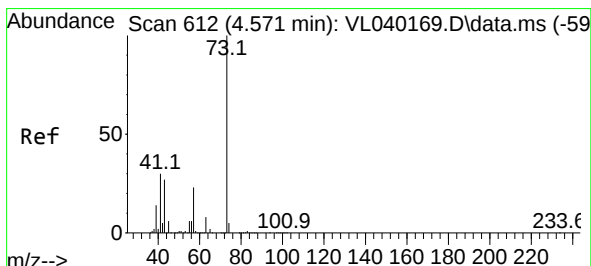
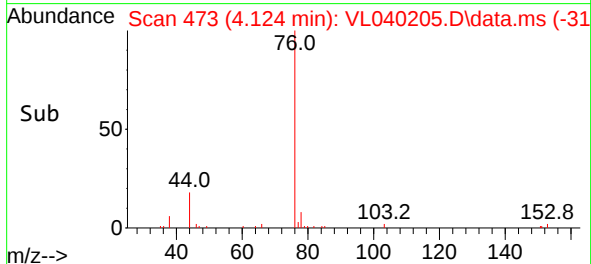
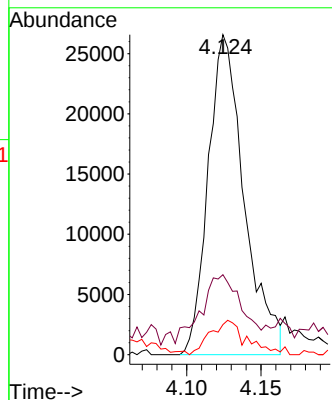
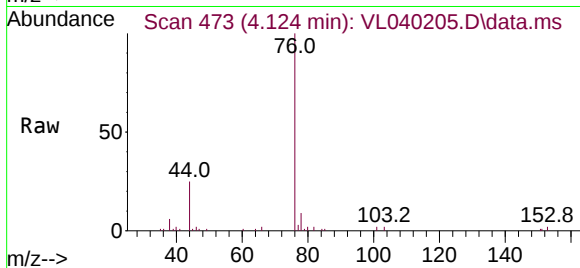




#27
Carbon Disulfide
Concen: 0.437 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

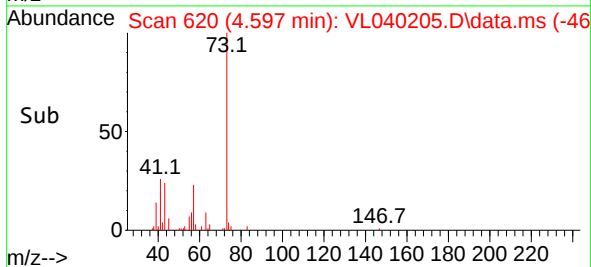
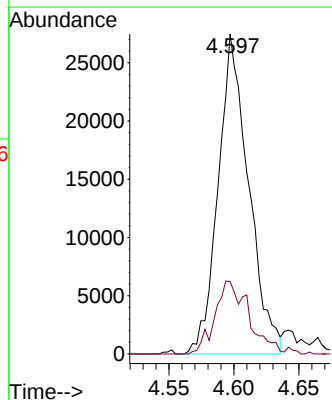
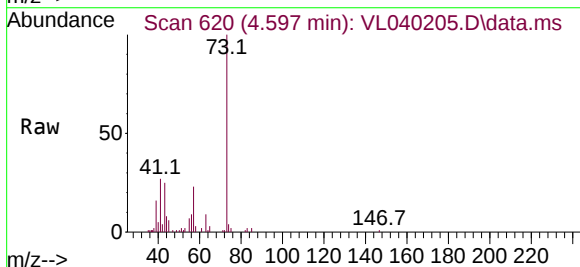
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT1-2023

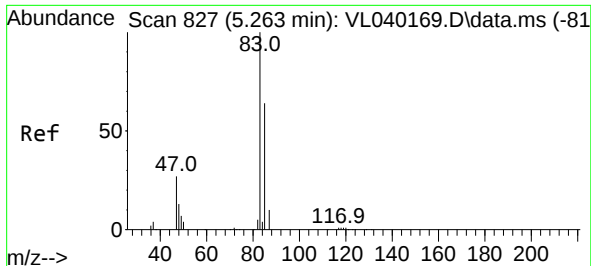
Tgt Ion: 76 Resp: 44866
Ion Ratio Lower Upper
76 100
44 24.4 15.3 22.9#
78 11.1 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 4.597 min Scan# 620
Delta R.T. -0.000 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 73 Resp: 44673
Ion Ratio Lower Upper
73 100
57 26.1 18.8 28.2





#29

Chloroform

Concen: 0.545 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

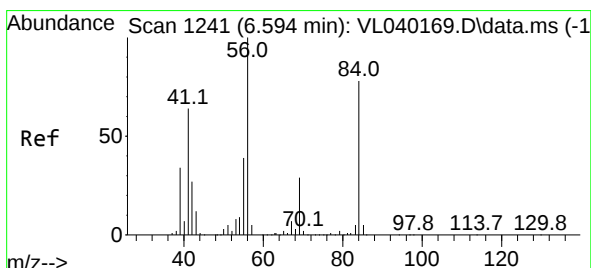
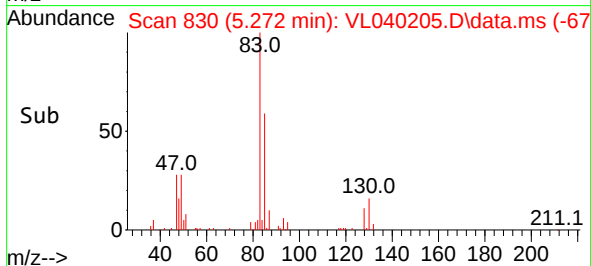
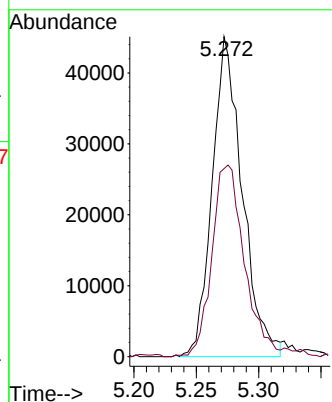
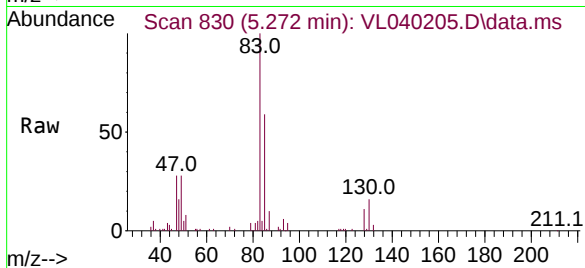
LOQ-AIR-02-QT1-2023

Tgt Ion: 83 Resp: 75741

Ion Ratio Lower Upper

83 100

85 58.3 51.5 77.3



#30

Cyclohexane

Concen: 0.533 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

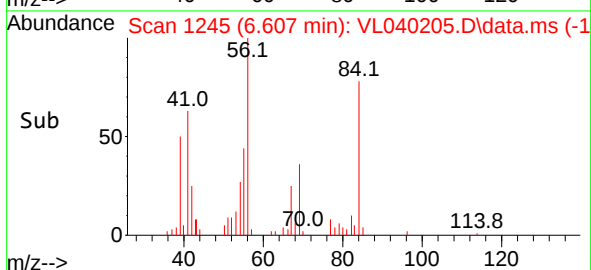
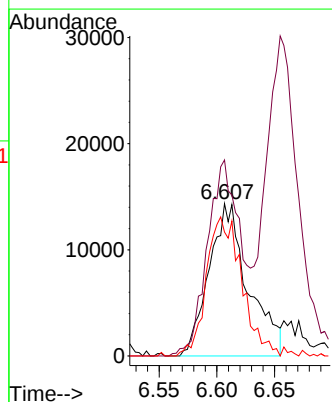
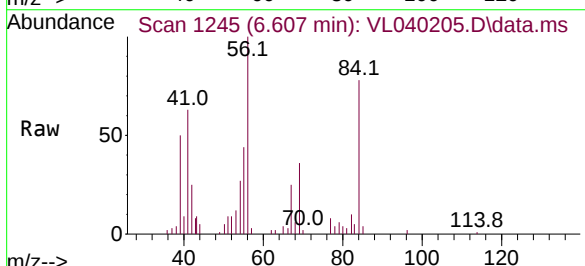
Tgt Ion: 84 Resp: 33884

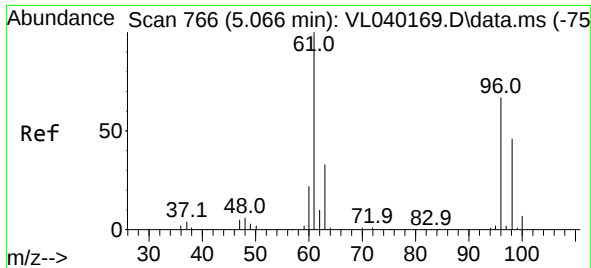
Ion Ratio Lower Upper

84 100

56 107.9 109.9 164.9#

41 83.8 67.8 101.6

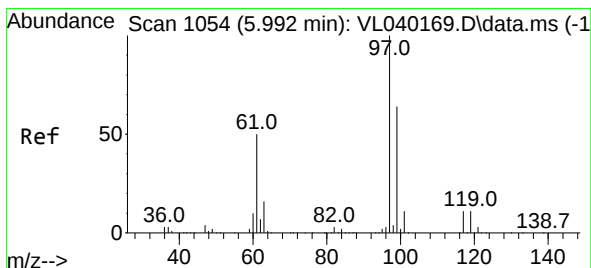
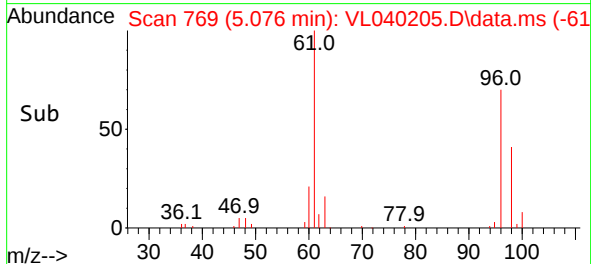
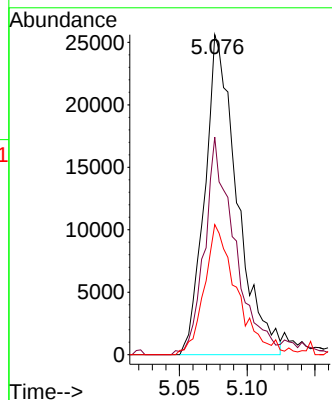
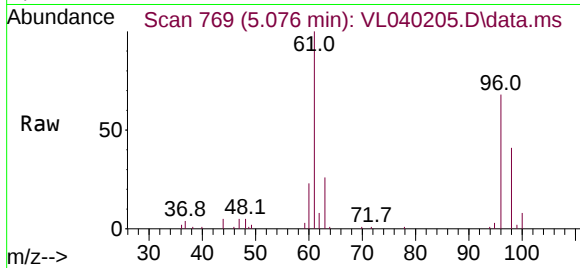




#31
 cis-1,2-Dichloroethene
 Concen: 0.554 ppbv
 RT: 5.076 min Scan# 766
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

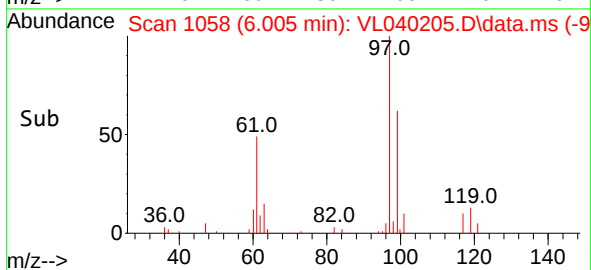
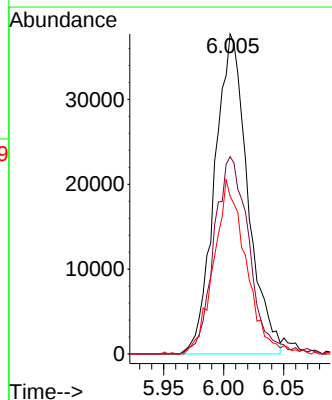
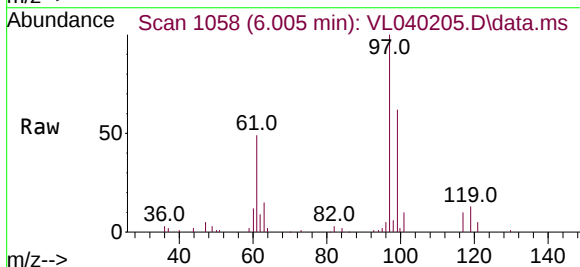
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

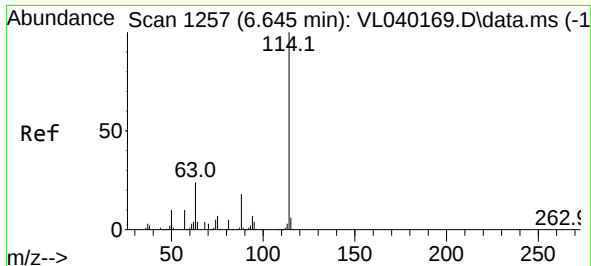
Tgt Ion:	61	Resp:	42555
Ion	Ratio	Lower	Upper
61	100		
96	67.0	53.7	80.5
98	39.3	36.4	54.6



#32
 1,1,1-Trichloroethane
 Concen: 0.553 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion:	97	Resp:	72160
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.5	77.3
61	53.5	40.6	60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT1-2023

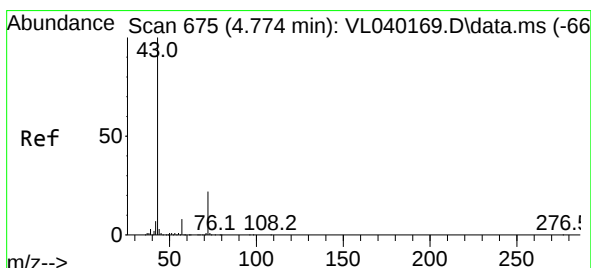
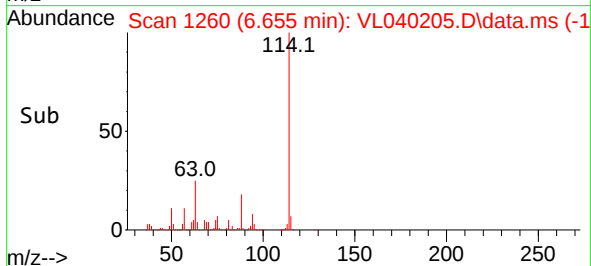
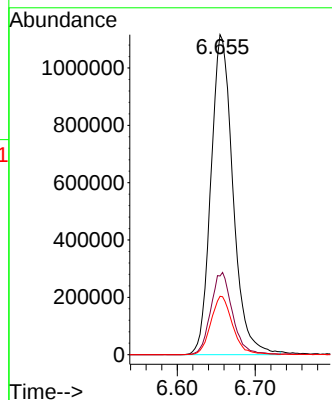
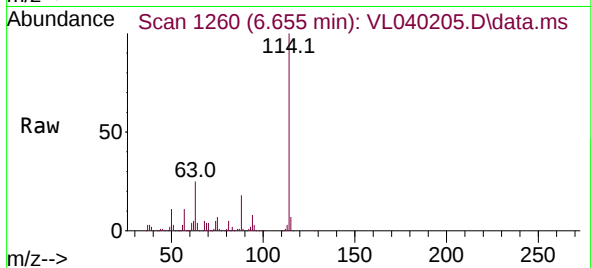
Tgt Ion:114 Resp: 2195501

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.532 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.003 min

Lab File: VL040205.D

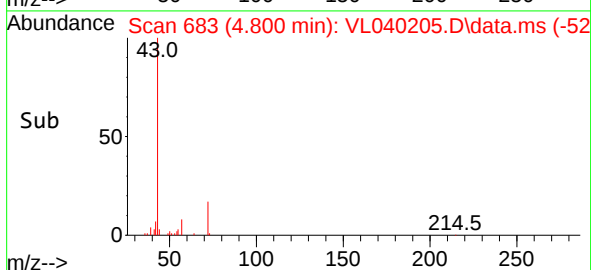
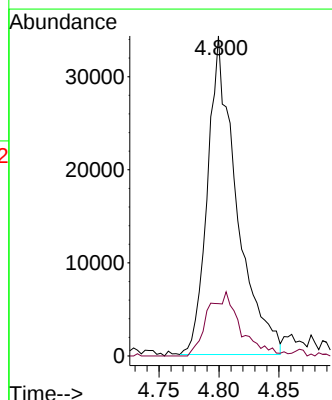
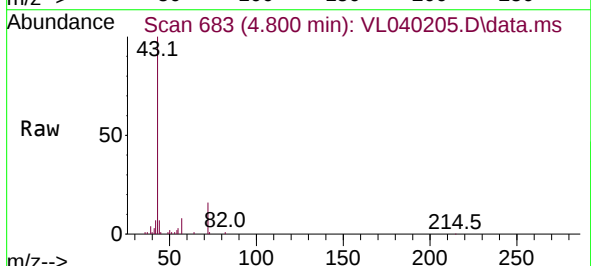
Acq: 21 Feb 2023 21:46

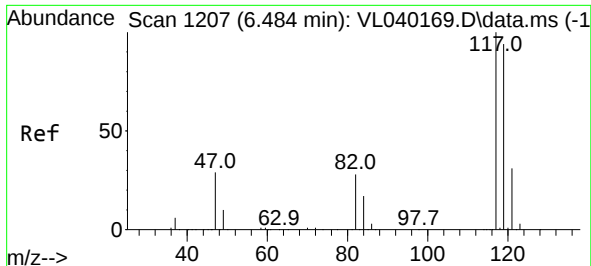
Tgt Ion: 43 Resp: 57649

Ion Ratio Lower Upper

43 100

72 24.0 17.8 26.8

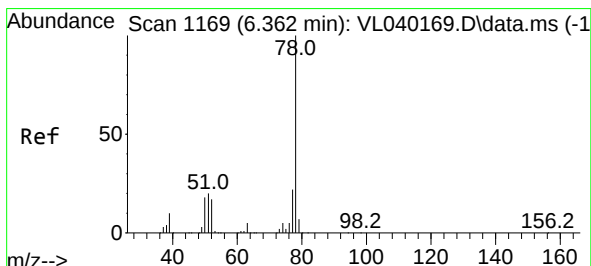
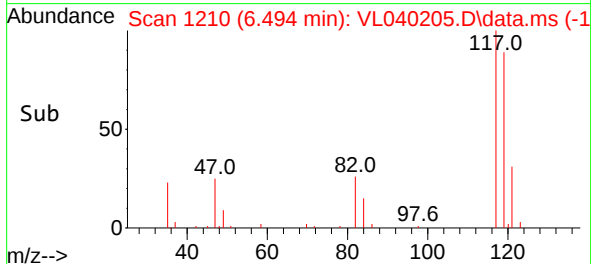
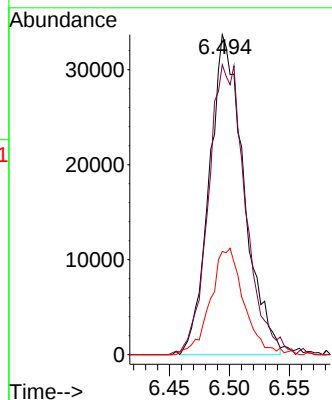
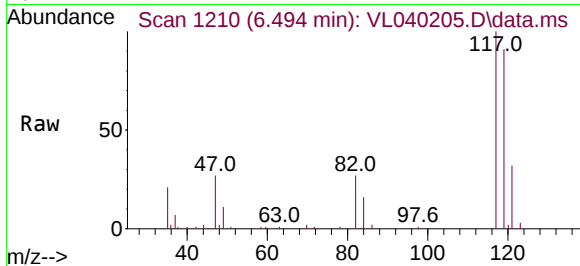




#35
Carbon Tetrachloride
Concen: 0.521 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

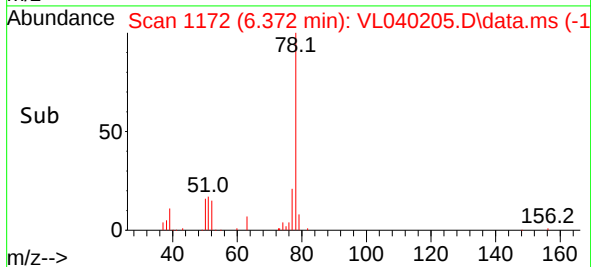
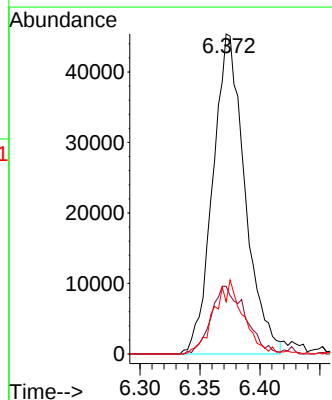
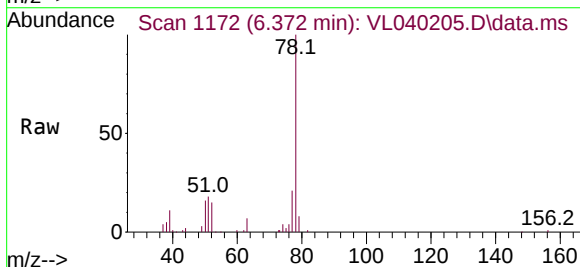
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

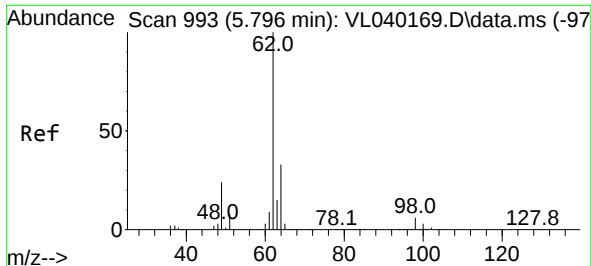
Tgt Ion:117 Resp: 67662
Ion Ratio Lower Upper
117 100
119 89.8 75.0 112.6
121 31.3 25.0 37.4



#36
Benzene
Concen: 0.493 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 78 Resp: 84219
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 16.4 14.6 22.0

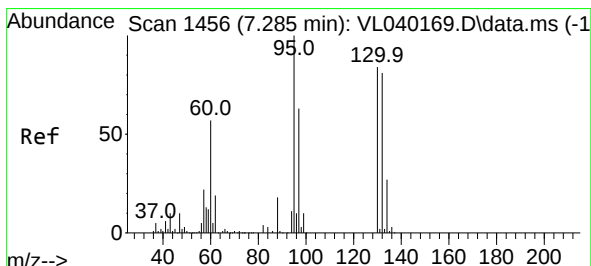
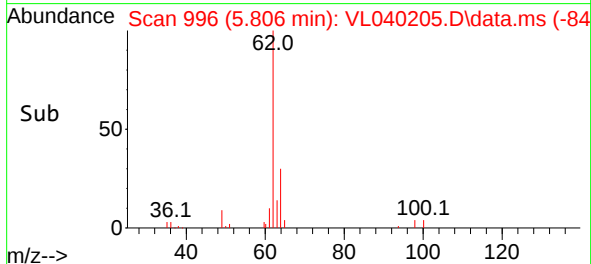
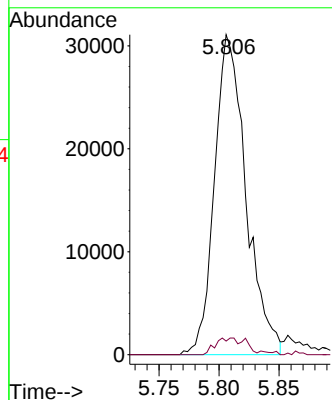
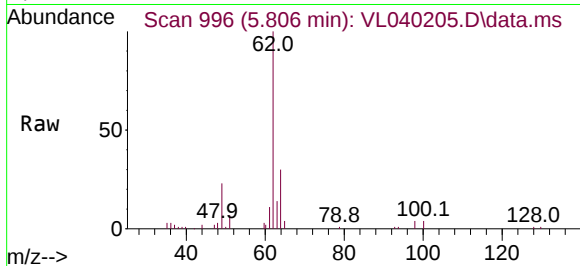




#37
1,2-Dichloroethane
Concen: 0.531 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

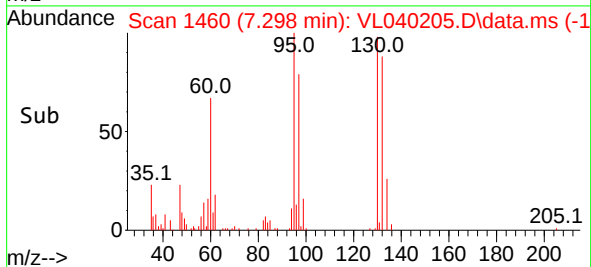
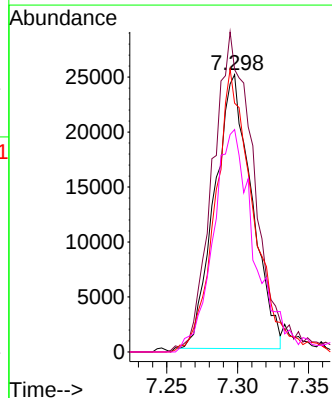
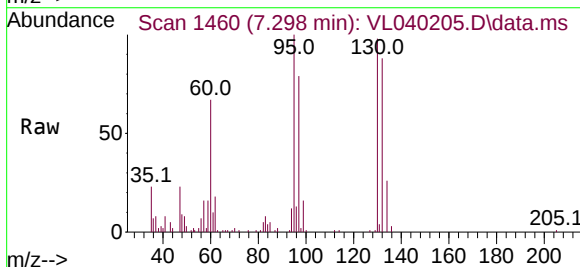
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

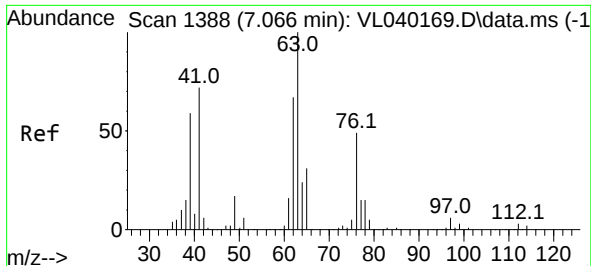
Tgt Ion: 62 Resp: 56758
Ion Ratio Lower Upper
62 100
98 5.7 4.7 7.1



#38
Trichloroethene
Concen: 0.484 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:130 Resp: 45523
Ion Ratio Lower Upper
130 100
95 101.4 94.7 142.1
132 88.4 76.4 114.6
97 79.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.510 ppbv

RT: 7.076 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

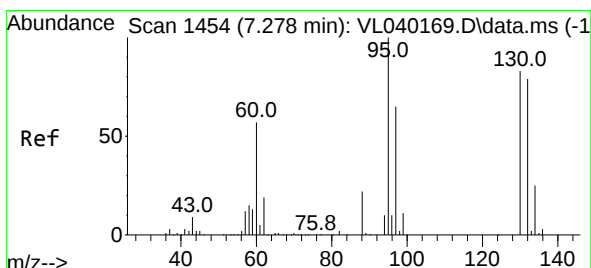
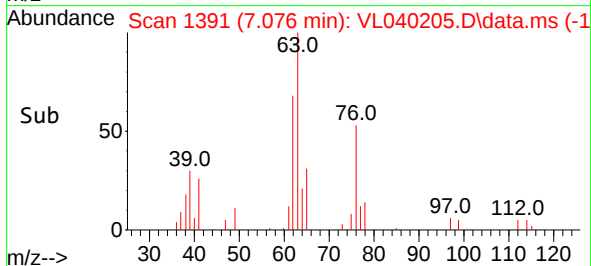
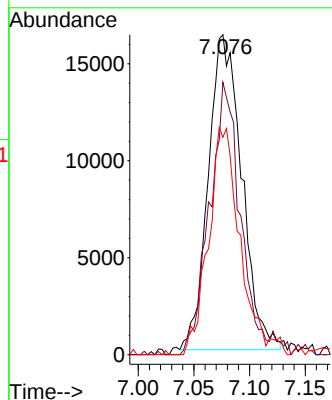
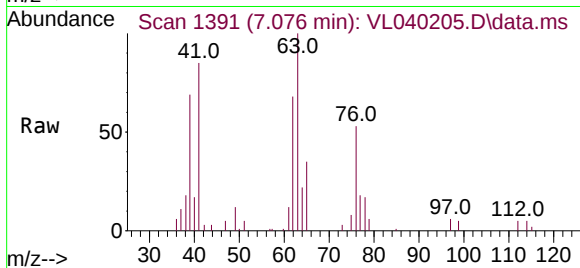
Tgt Ion: 63 Resp: 33921

Ion Ratio Lower Upper

63 100

41 86.5 57.6 86.4#

62 67.4 54.0 81.0



#40

1,4-Dioxane

Concen: 0.281 ppbv

RT: 7.320 min Scan# 1467

Delta R.T. 0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 88 Resp: 7481

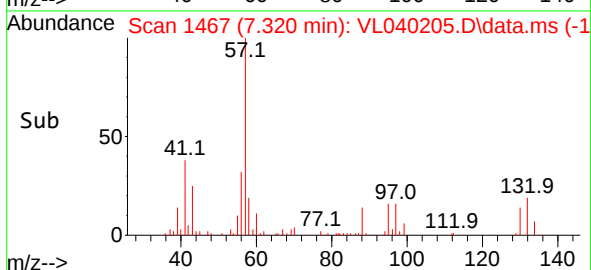
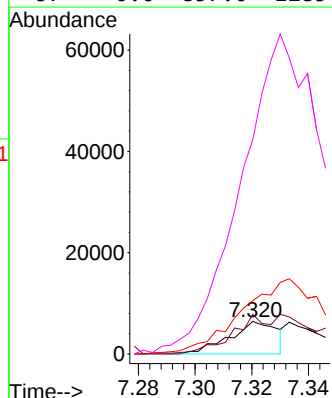
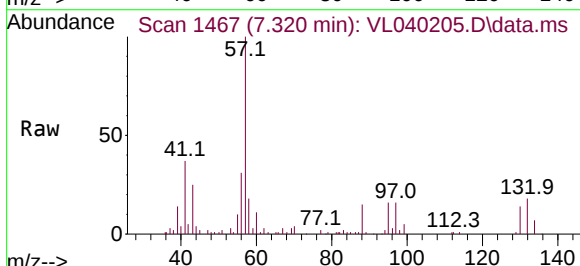
Ion Ratio Lower Upper

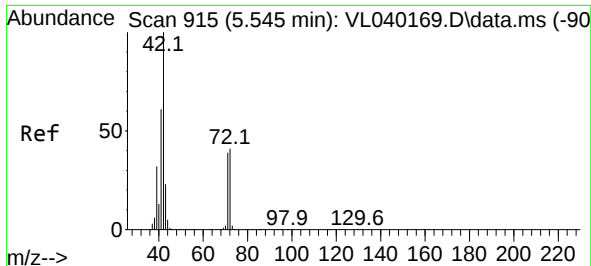
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 0.0 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 0.433 ppbv

RT: 5.587 min Scan# 915

Delta R.T. 0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

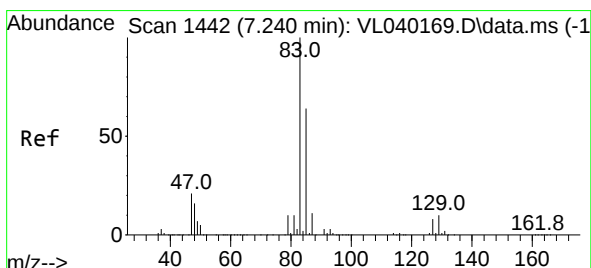
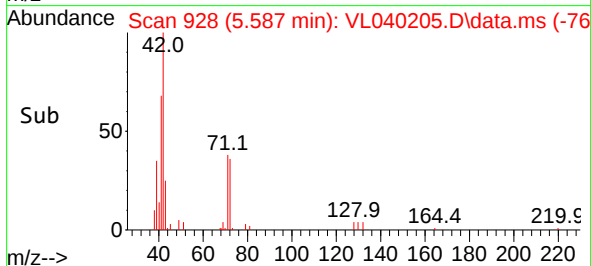
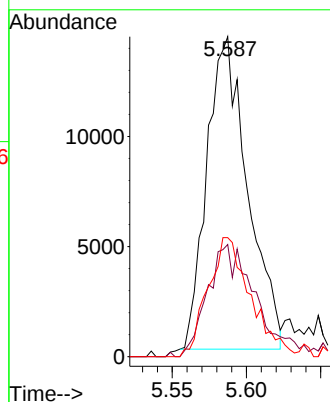
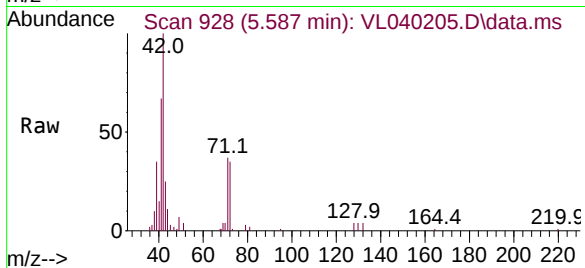
Tgt Ion: 42 Resp: 27182

Ion Ratio Lower Upper

42 100

72 43.5 33.0 49.4

71 40.3 31.4 47.2



#42

Bromodichloromethane

Concen: 0.213 ppbv

RT: 7.256 min Scan# 1447

Delta R.T. -0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

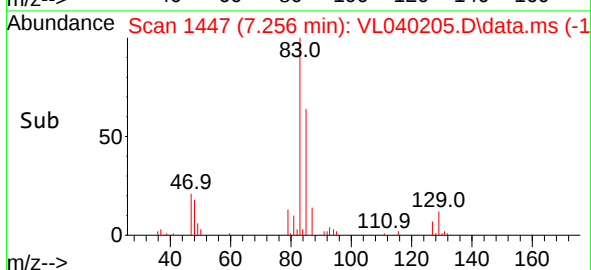
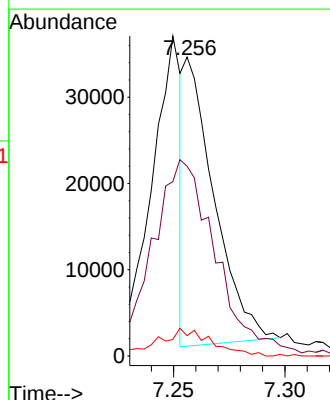
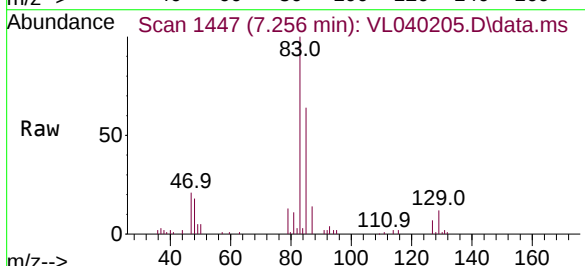
Tgt Ion: 83 Resp: 31364

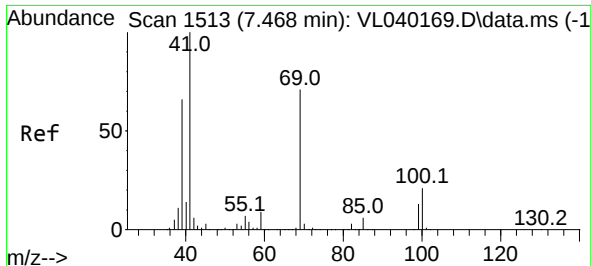
Ion Ratio Lower Upper

83 100

85 64.0 50.9 76.3

127 6.7 6.2 9.2





#43

Methyl Methacrylate

Concen: 0.421 ppbv

RT: 7.491 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

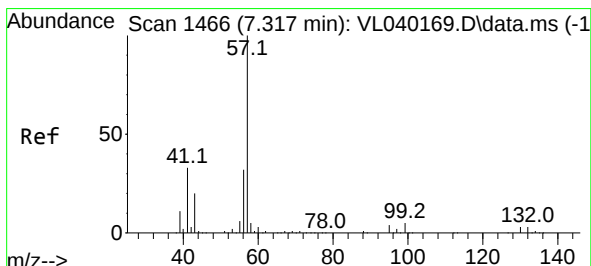
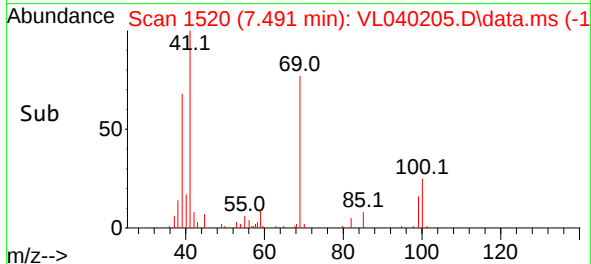
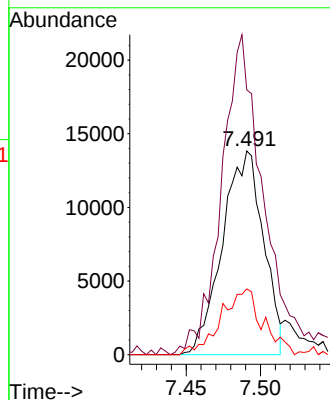
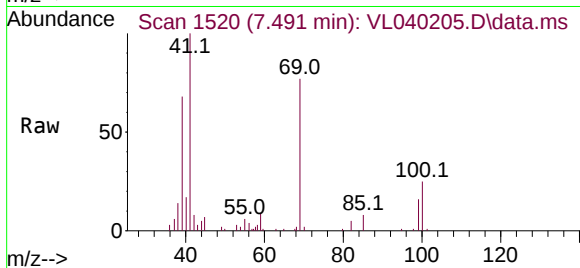
Tgt Ion: 69 Resp: 26618

Ion Ratio Lower Upper

69 100

41 159.3 116.6 174.8

100 33.8 25.6 38.4



#44

2,2,4-Trimethylpentane

Concen: 0.486 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

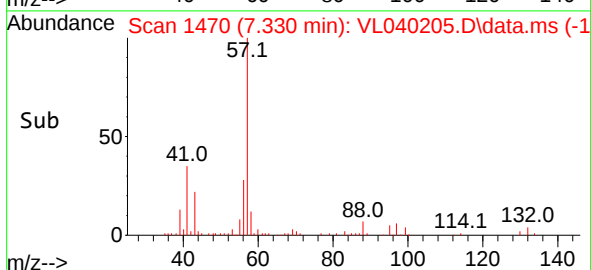
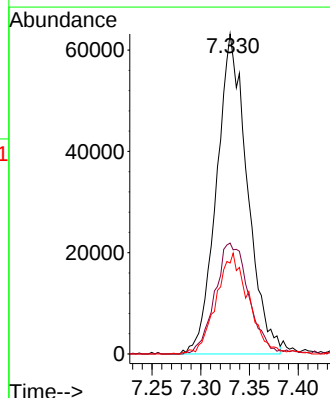
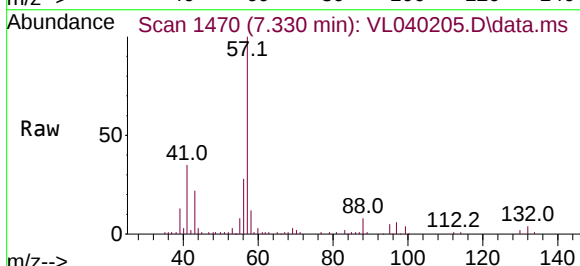
Tgt Ion: 57 Resp: 138487

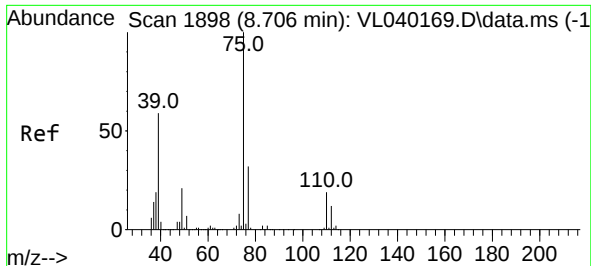
Ion Ratio Lower Upper

57 100

41 38.6 26.2 39.4

56 33.5 24.9 37.3

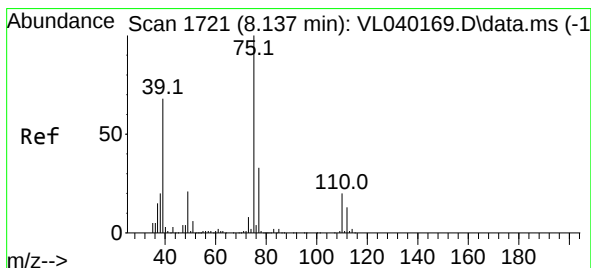
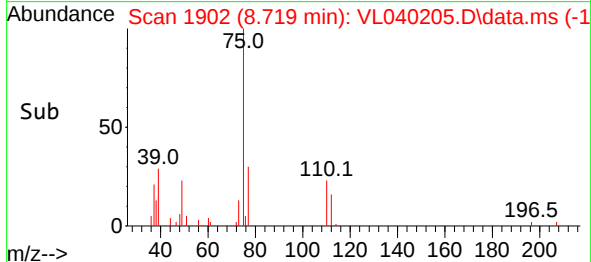
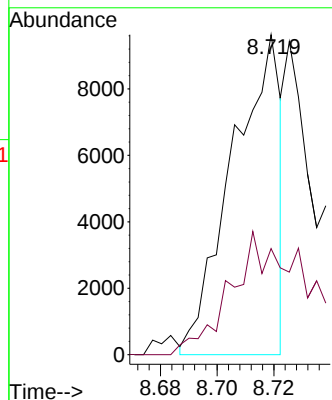
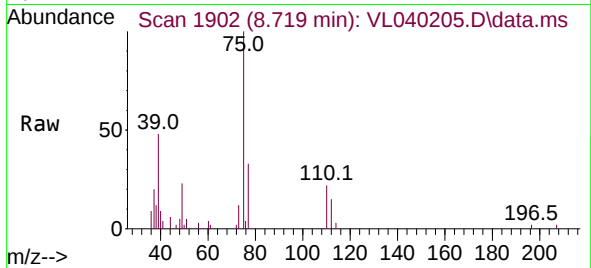




#45
t-1,3-Dichloropropene
Concen: 0.203 ppbv
RT: 8.719 min Scan# 11386
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

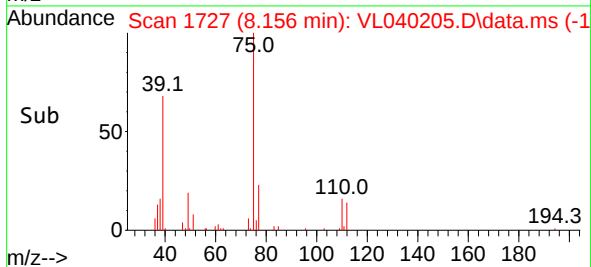
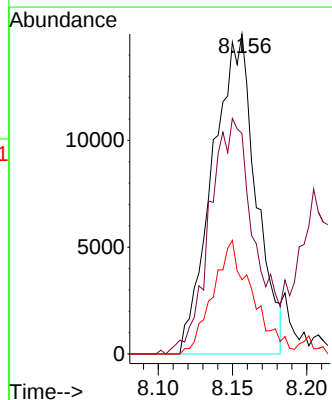
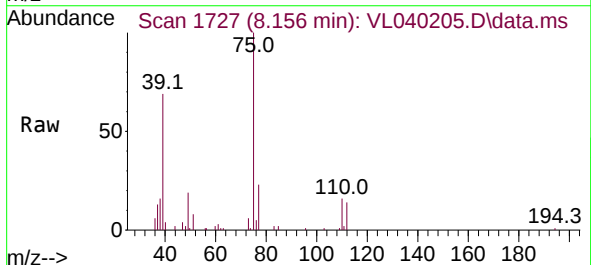
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

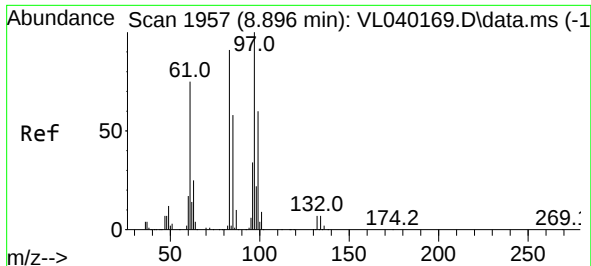
Tgt Ion: 75 Resp: 11386
Ion Ratio Lower Upper
75 100
77 31.8 25.7 38.5



#46
cis-1,3-Dichloropropene
Concen: 0.389 ppbv
RT: 8.156 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 75 Resp: 30399
Ion Ratio Lower Upper
75 100
39 64.6 54.2 81.2
77 23.2 26.0 39.0#

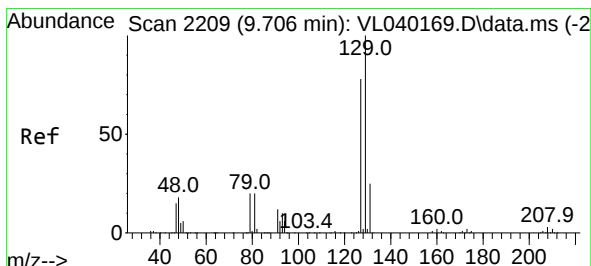
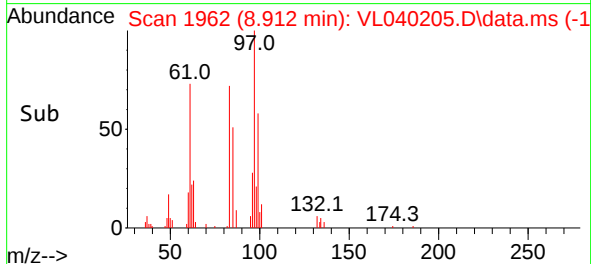
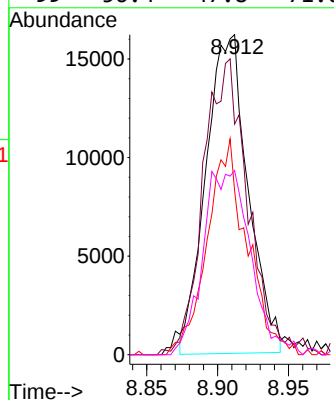
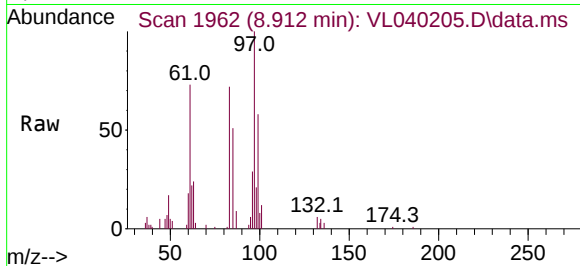




#47
1,1,2-Trichloroethane
Concen: 0.467 ppbv
RT: 8.912 min Scan# 1957
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

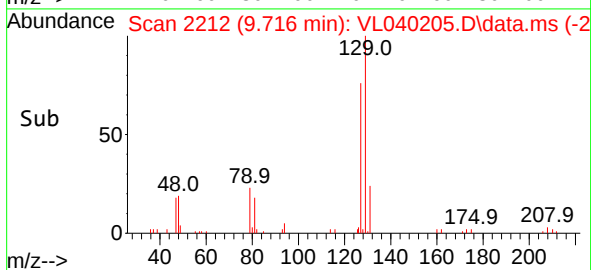
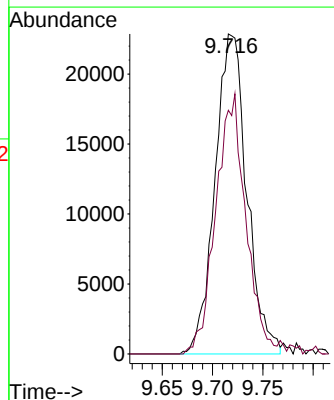
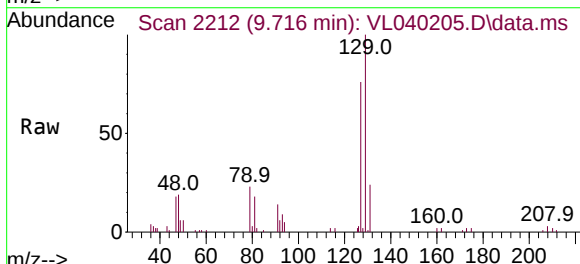
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

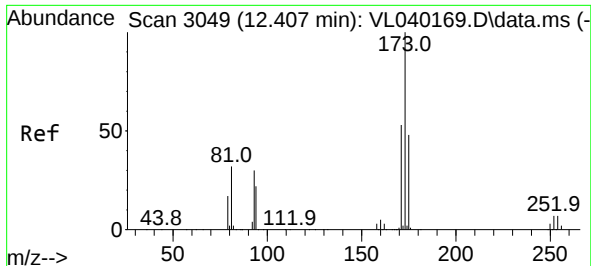
Tgt Ion: 97	Resp: 33544
Ion Ratio	Lower Upper
97 100	
83 69.8	72.8 109.2#
85 49.6	46.6 69.8
99 56.4	47.8 71.6



#48
Dibromochloromethane
Concen: 0.438 ppbv
RT: 9.716 min Scan# 2212
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:129	Resp: 50400		
Ion Ratio	Lower	Upper	
129 100			
127 78.6	39.1	117.2	

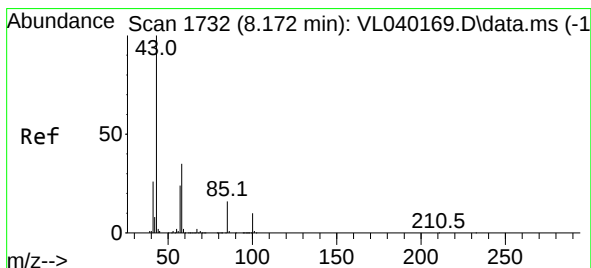
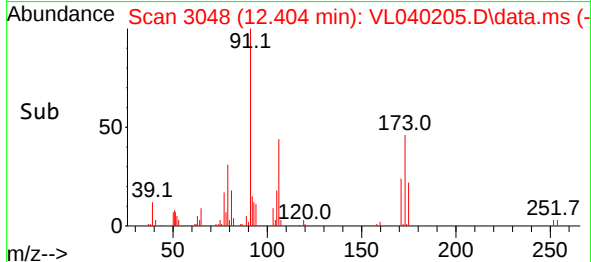
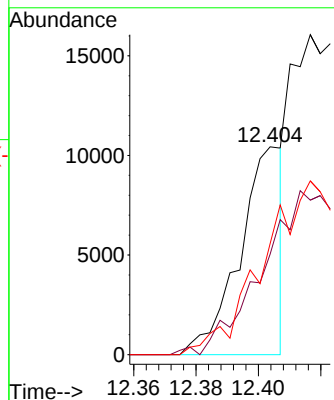
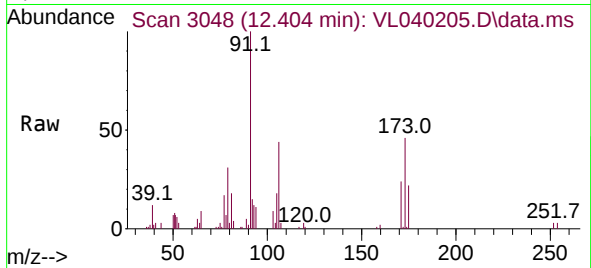




#49
Bromoform
Concen: 0.111 ppbv
RT: 12.404 min Scan# 3049
Delta R.T. -0.032 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

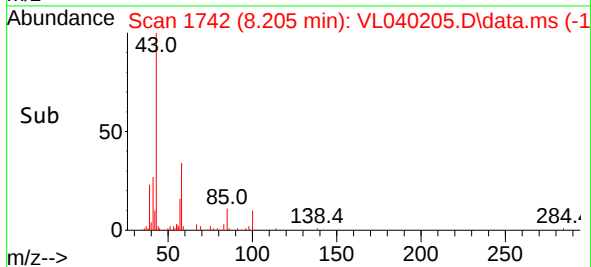
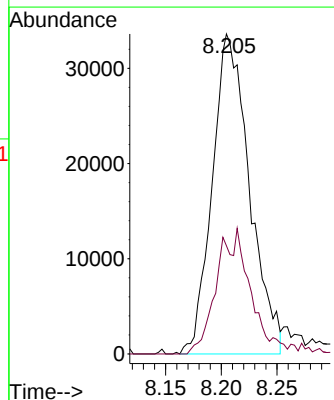
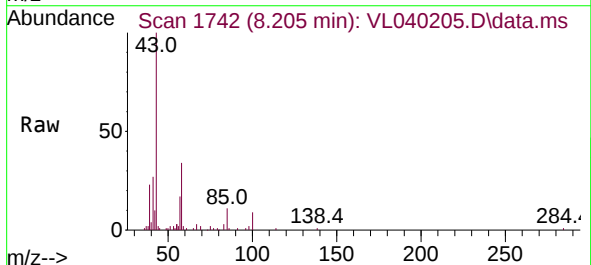
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

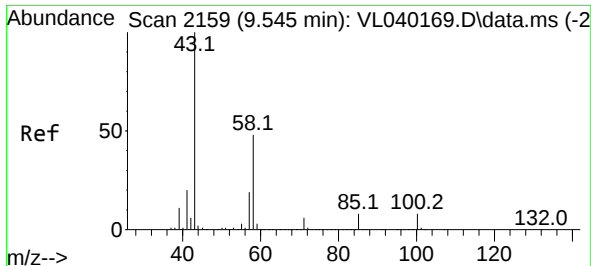
Tgt Ion:173 Resp: 9997
Ion Ratio Lower Upper
173 100
175 0.0 39.4 59.0#
171 0.0 41.8 62.6#



#50
4-Methyl-2-Pentanone
Concen: 0.465 ppbv
RT: 8.205 min Scan# 1742
Delta R.T. 0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 43 Resp: 78191
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8

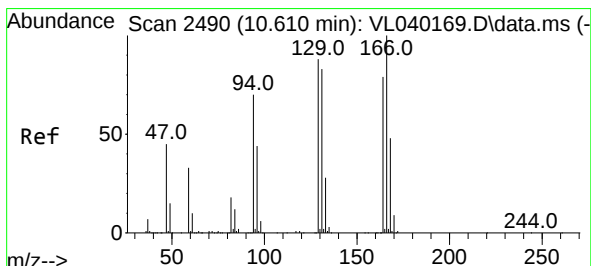
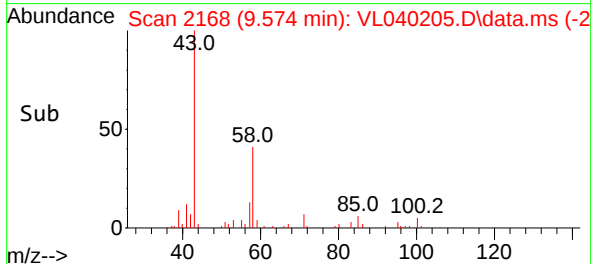
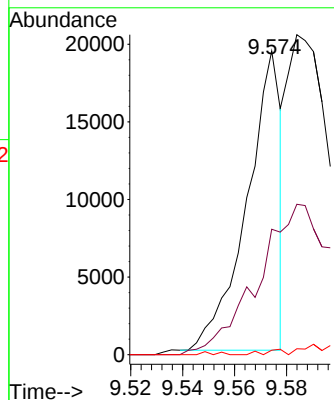
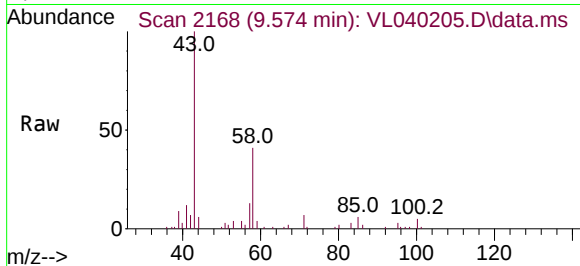




#51
2-Hexanone
Concen: 0.136 ppbv
RT: 9.574 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

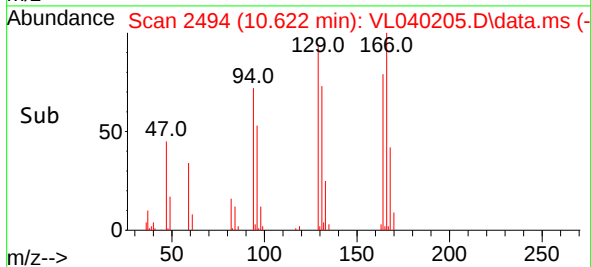
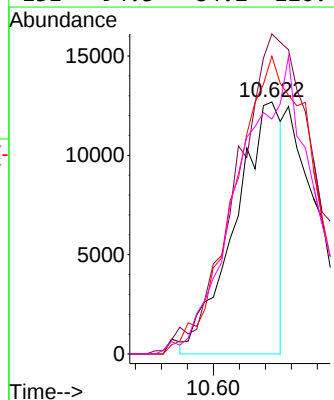
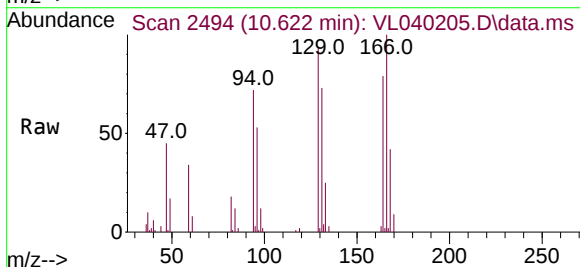
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

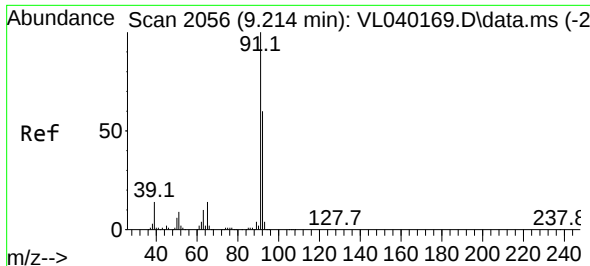
Tgt Ion: 43 Resp: 17530
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.295 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 164 Resp: 15758
Ion Ratio Lower Upper
164 100
166 122.3 101.5 152.3
129 118.8 89.0 133.4
131 94.3 84.2 126.4

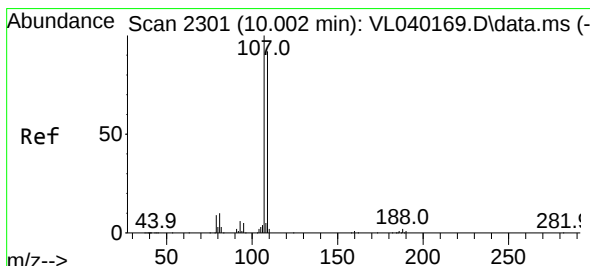
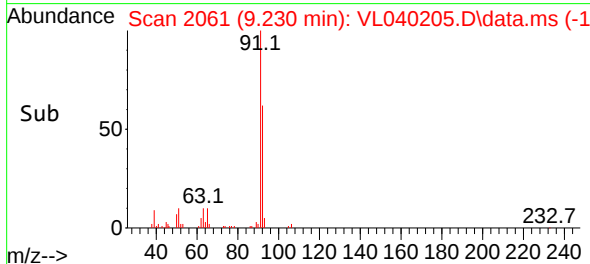
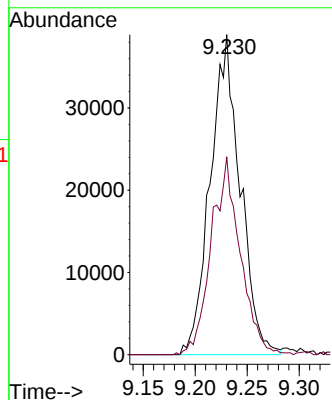
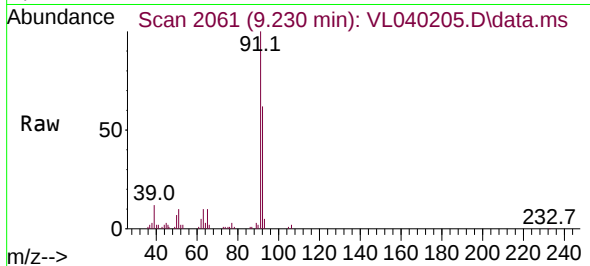




#53
Toluene
Concen: 0.425 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

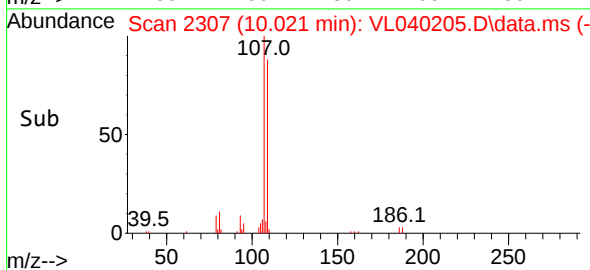
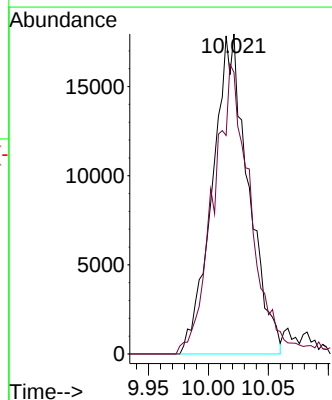
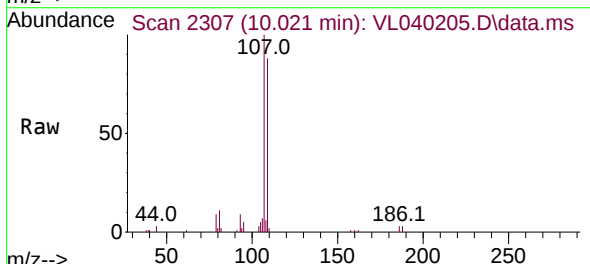
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

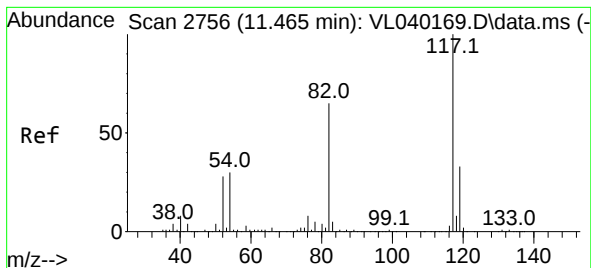
Tgt Ion: 91 Resp: 77785
Ion Ratio Lower Upper
91 100
92 60.4 48.9 73.3



#54
1,2-Dibromoethane
Concen: 0.500 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 107 Resp: 37362
Ion Ratio Lower Upper
107 100
109 85.5 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

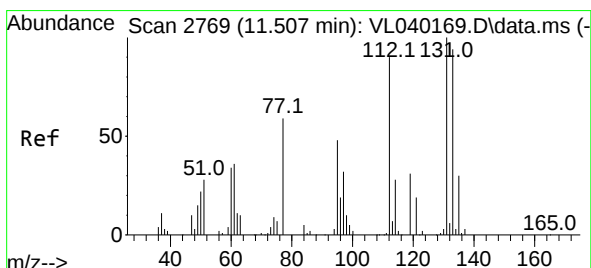
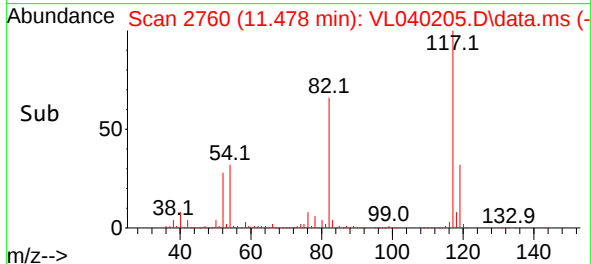
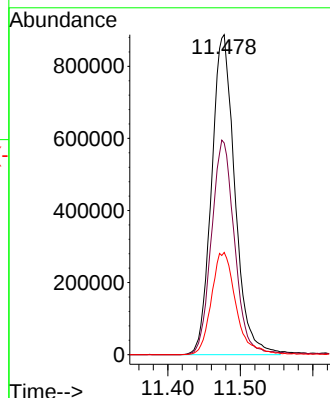
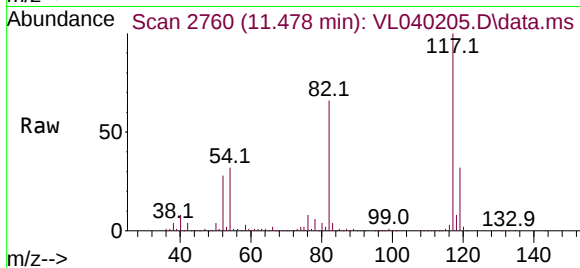
Tgt Ion:117 Resp: 1977634

Ion Ratio Lower Upper

117 100

82 67.1 53.3 79.9

119 34.0 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.524 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. -0.023 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

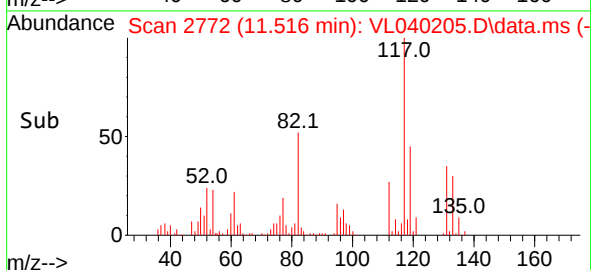
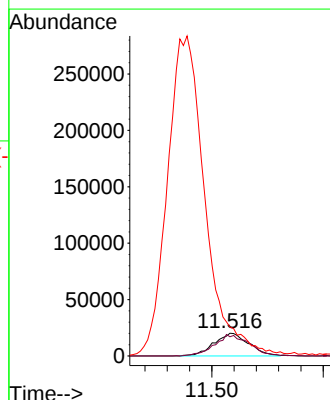
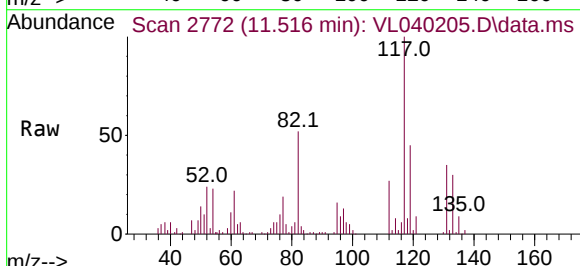
Tgt Ion:131 Resp: 43535

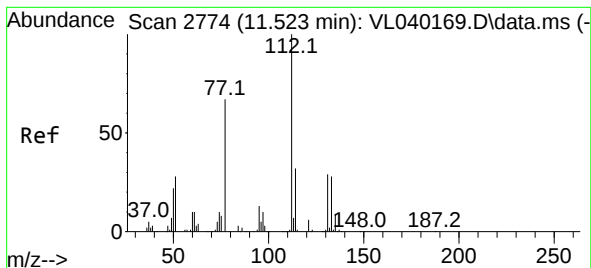
Ion Ratio Lower Upper

131 100

133 94.4 76.2 114.2

119 1541.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.534 ppbv

RT: 11.536 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

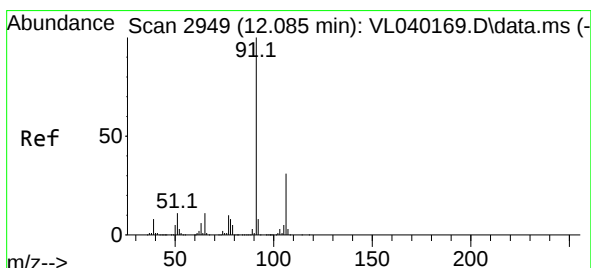
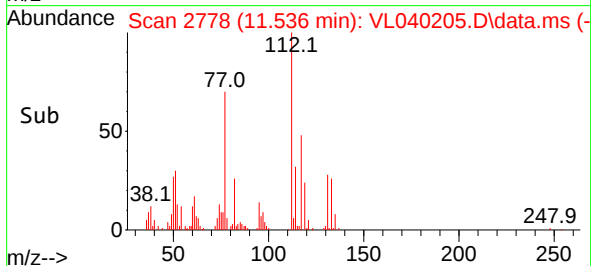
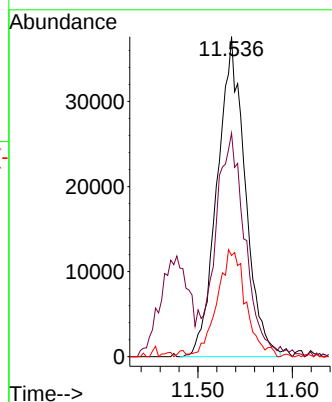
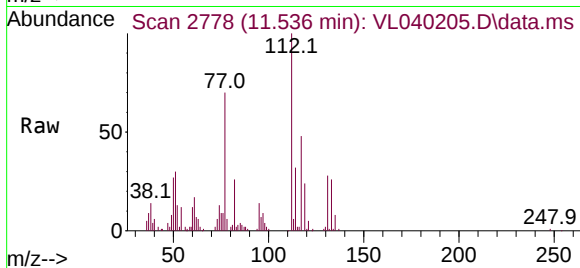
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion:112	Resp:	77094
Ion Ratio	Lower	Upper
112	100	
77	66.6	55.0 82.4
114	31.6	29.0 35.4



#58

Ethyl Benzene

Concen: 0.453 ppbv

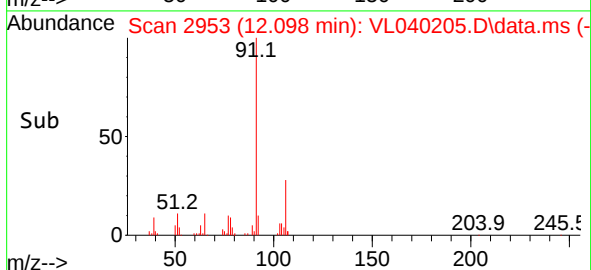
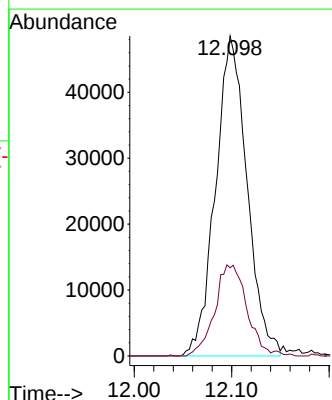
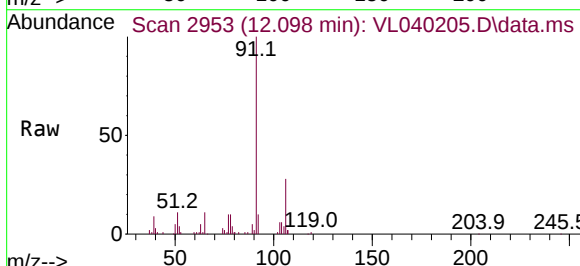
RT: 12.098 min Scan# 2953

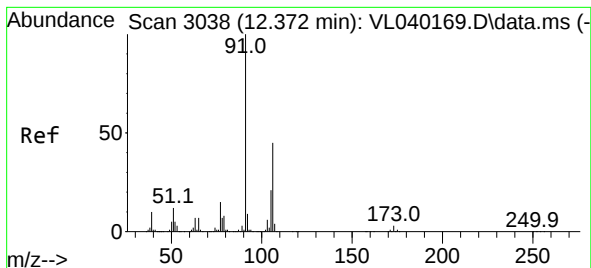
Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 91	Resp:	108950
Ion Ratio	Lower	Upper
91	100	
106	27.5	24.9 37.3





#59

m/p-Xylene

Concen: 0.552 ppbv

RT: 12.378 min Scan# 3038

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

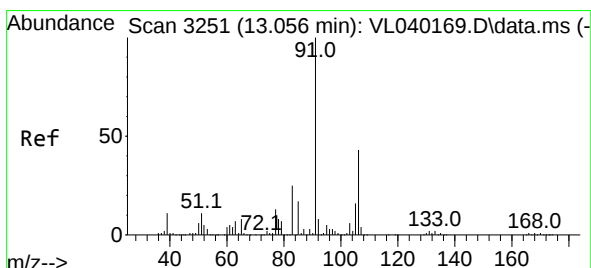
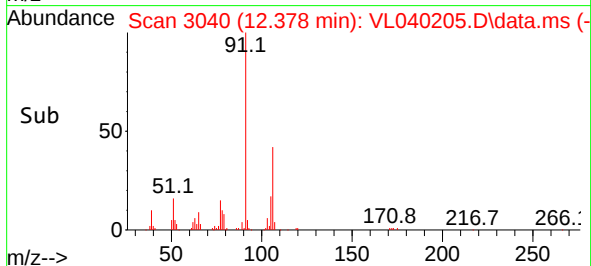
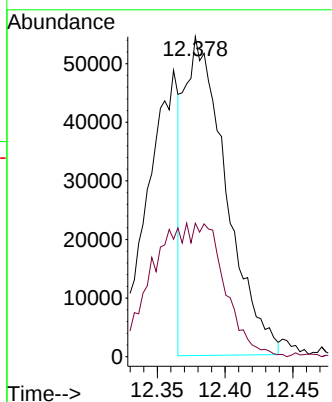
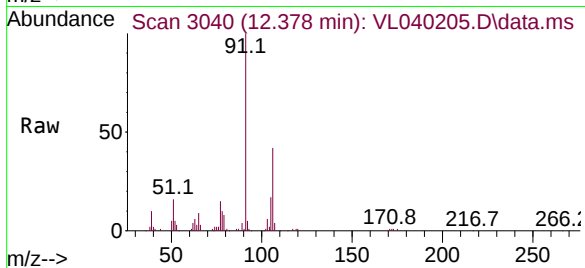
LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 117509

Ion Ratio Lower Upper

91 100

106 71.8 34.6 51.8#



#60

o-Xylene

Concen: 0.293 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.016 min

Lab File: VL040205.D

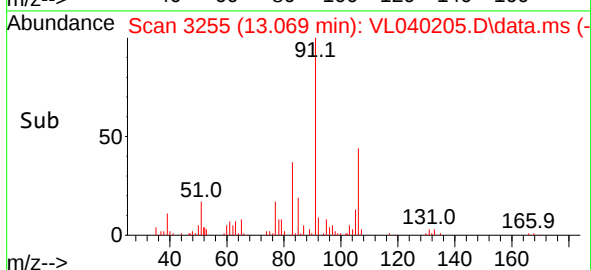
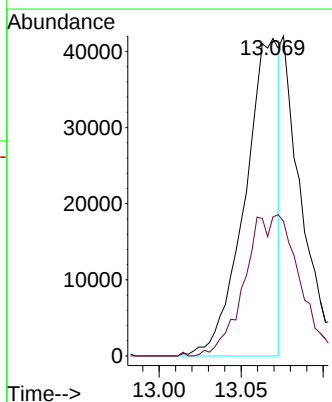
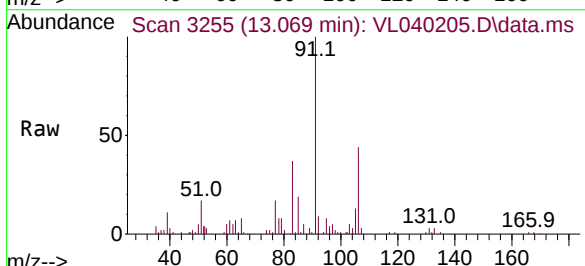
Acq: 21 Feb 2023 21:46

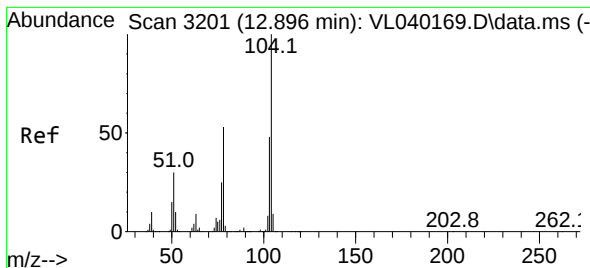
Tgt Ion: 91 Resp: 59954

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.039 ppbv

RT: 12.909 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

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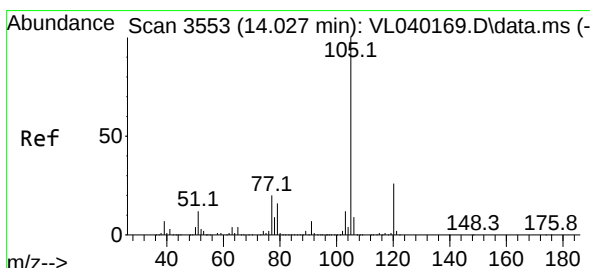
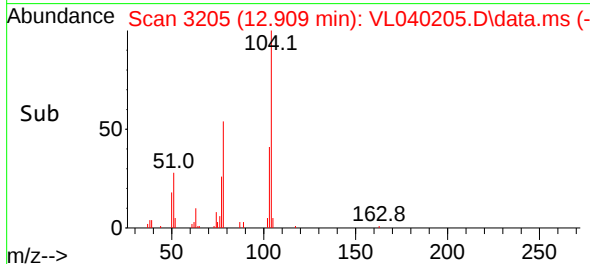
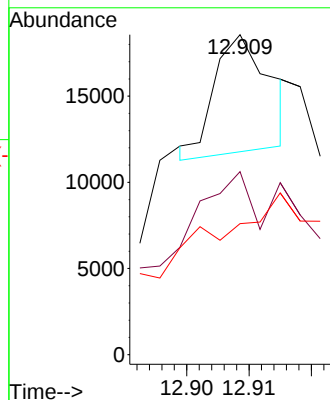
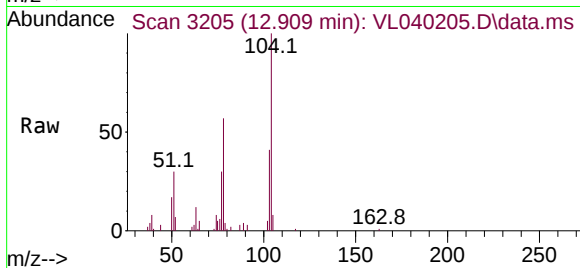
Tgt Ion:104 Resp: 4221

Ion Ratio Lower Upper

104 100

78 517.9 42.3 63.5#

103 449.1 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.502 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.023 min

Lab File: VL040205.D

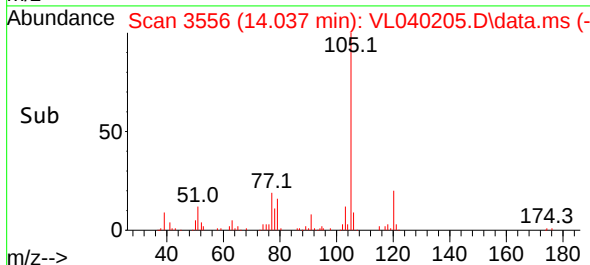
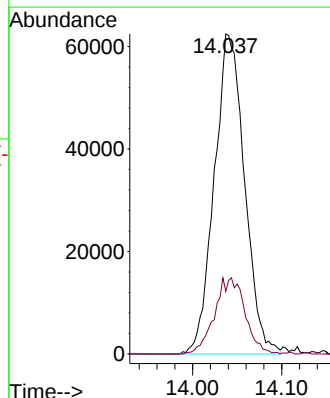
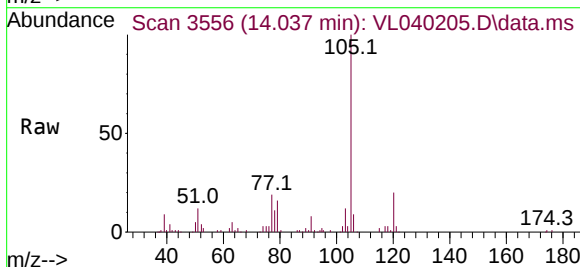
Acq: 21 Feb 2023 21:46

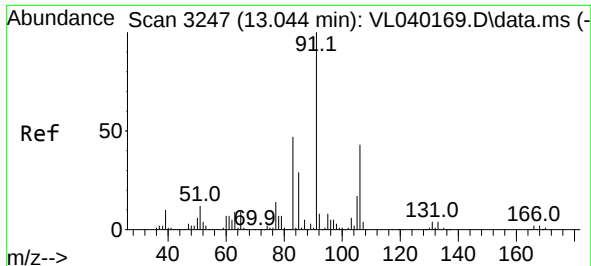
Tgt Ion:105 Resp: 147434

Ion Ratio Lower Upper

105 100

120 24.1 20.3 30.5

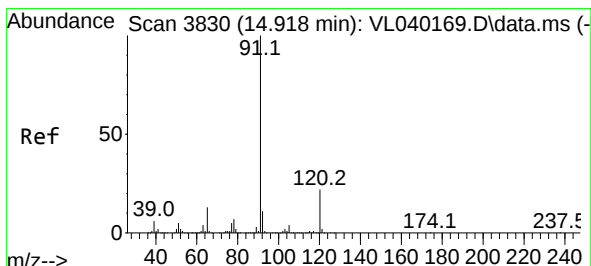
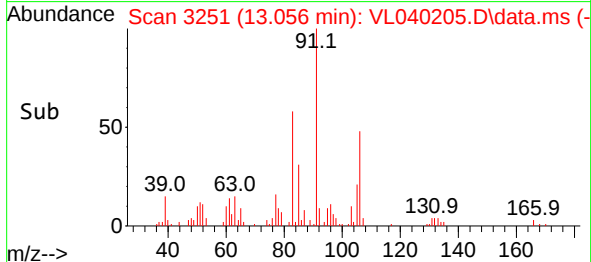
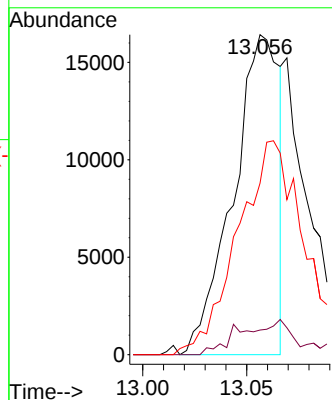
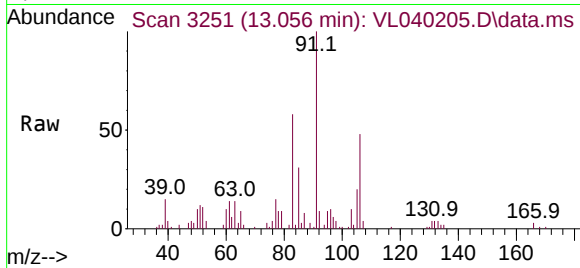




#63
1,1,2,2-Tetrachloroethane
Concen: 0.343 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

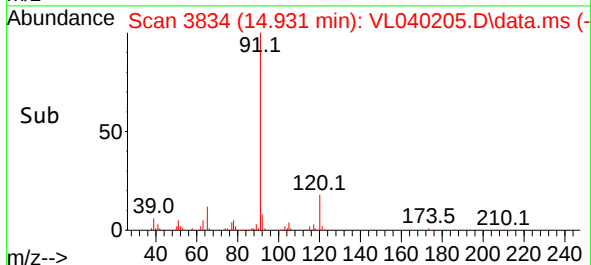
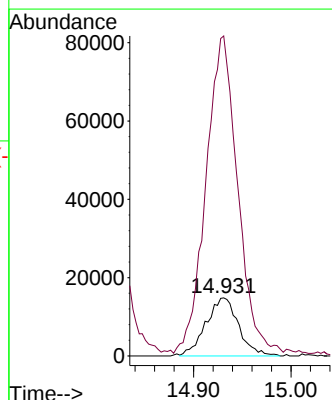
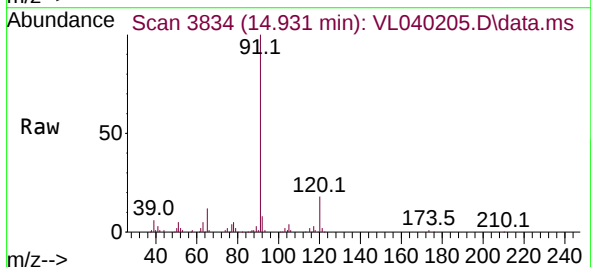
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

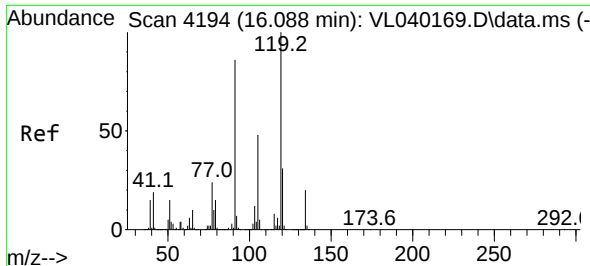
Tgt Ion: 83 Resp: 25329
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2#
85 0.0 33.0 99.0#



#64
n-propylbenzene
Concen: 0.473 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 120 Resp: 34433
Ion Ratio Lower Upper
120 100
91 549.4 389.8 584.8

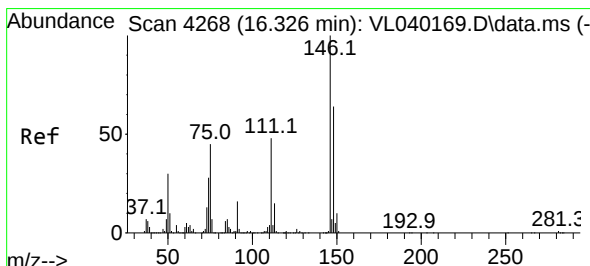
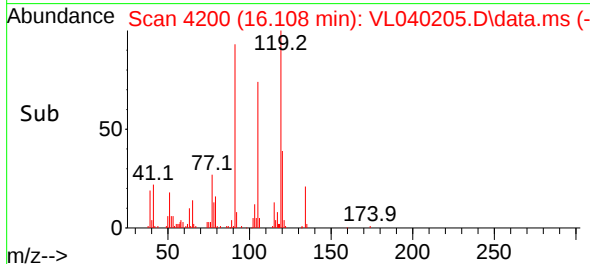
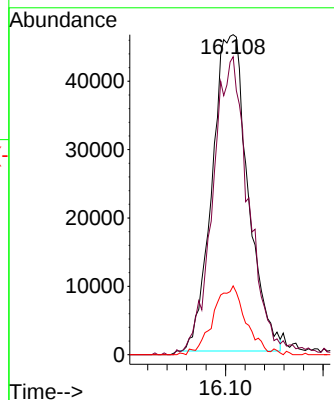
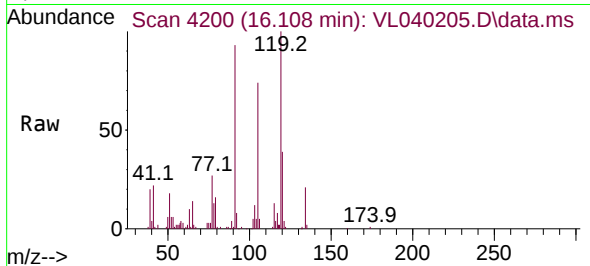




#65
tert-Butylbenzene
Concen: 0.463 ppbv
RT: 16.108 min Scan# 4194
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

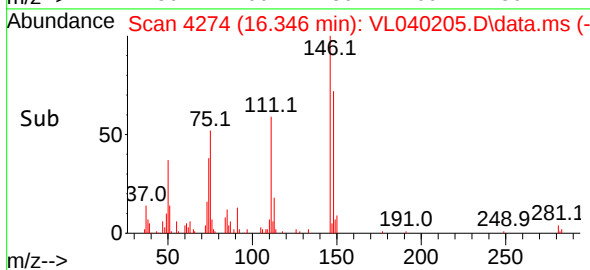
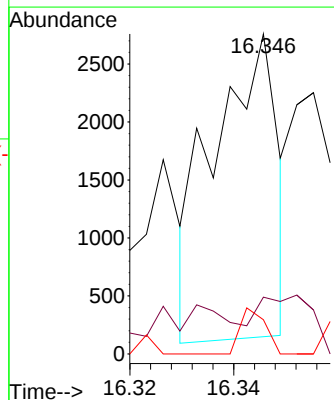
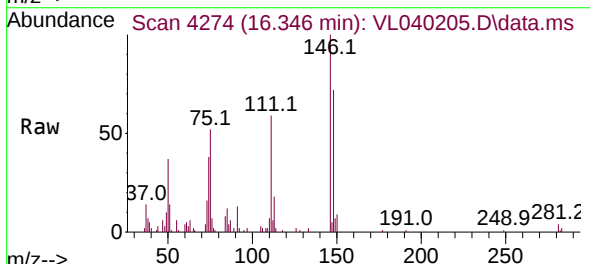
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

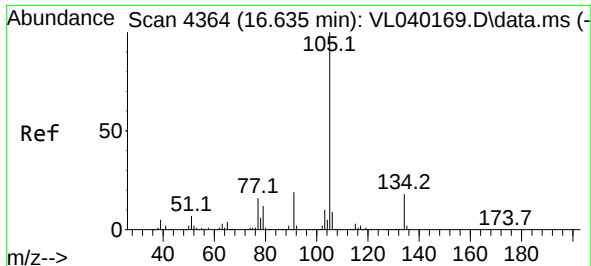
Tgt Ion:119 Resp: 118360
Ion Ratio Lower Upper
119 100
91 95.8 68.6 102.8
134 20.0 15.9 23.9



#66
Benzyl Chloride
Concen: 0.131 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 91 Resp: 2233
Ion Ratio Lower Upper
91 100
126 43.0 13.1 19.7#
128 8.4 4.1 6.1#

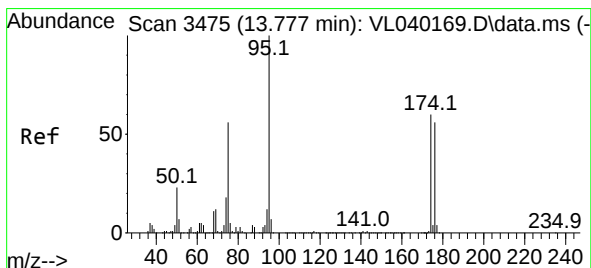
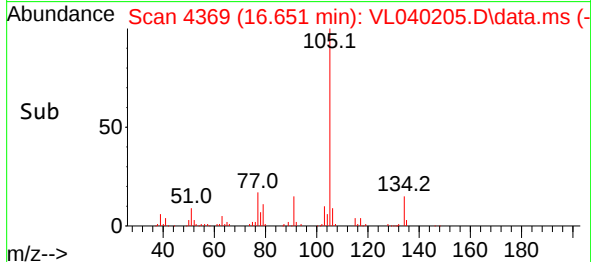
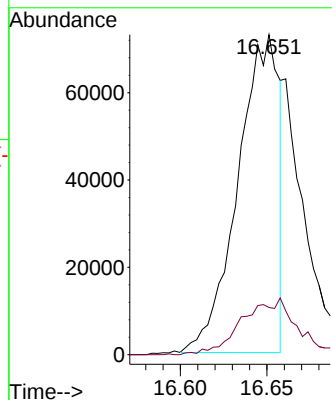
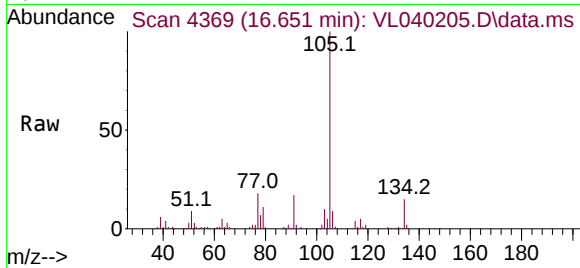




#67
 sec-Butylbenzene
 Concen: 0.328 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

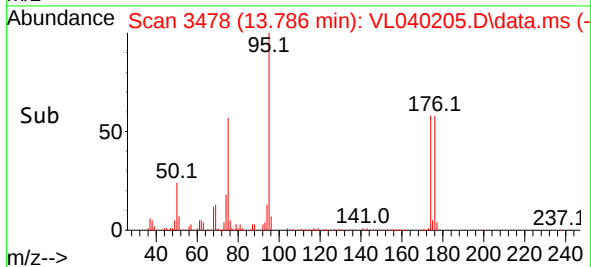
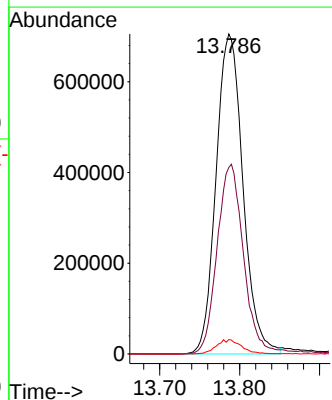
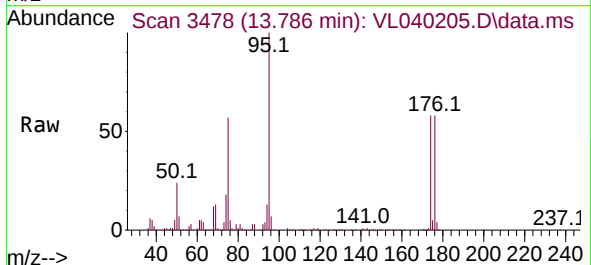
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

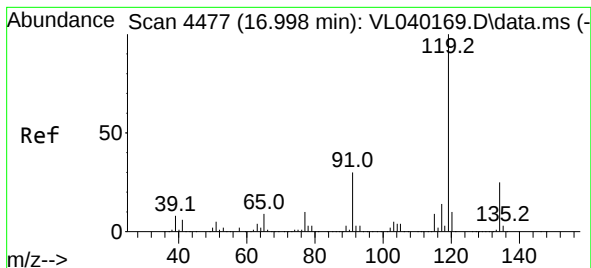
Tgt Ion:105 Resp: 120101
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.1 21.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.135 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.019 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 95 Resp: 1648214
 Ion Ratio Lower Upper
 95 100
 174 59.6 48.2 72.2
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.433 ppbv

RT: 17.008 min Scan# 4477

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT1-2023

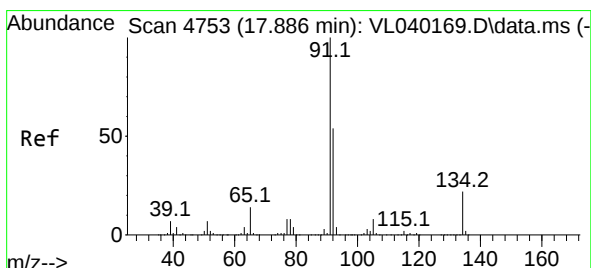
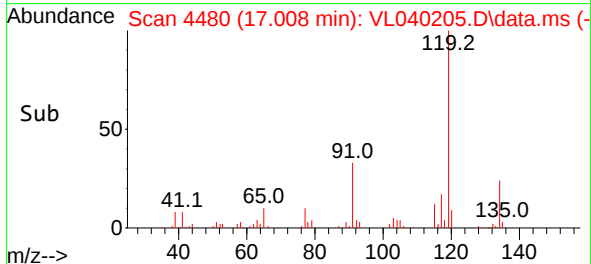
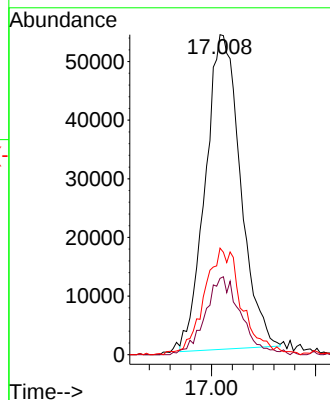
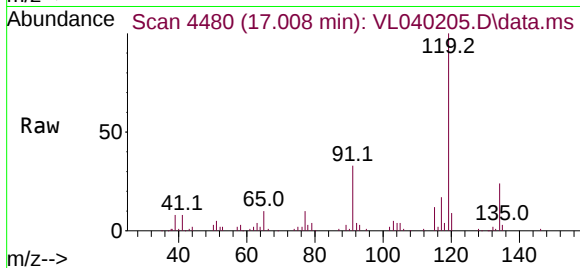
Tgt Ion:119 Resp: 125687

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

91 36.6 24.7 37.1



#70

n-Butylbenzene

Concen: 0.461 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

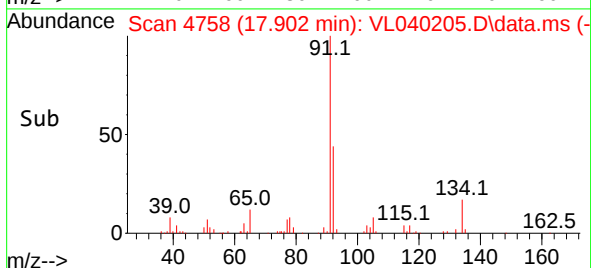
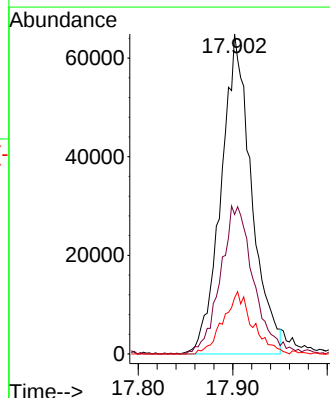
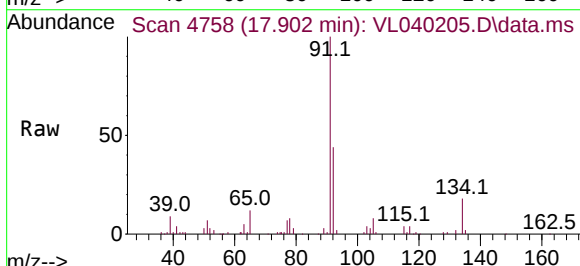
Tgt Ion: 91 Resp: 145216

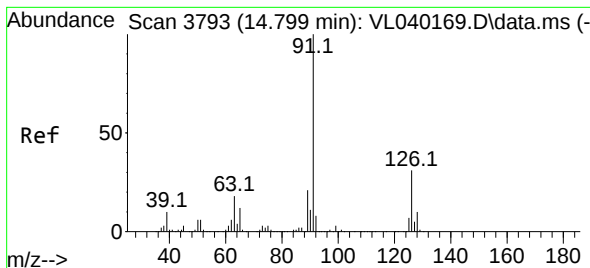
Ion Ratio Lower Upper

91 100

92 51.4 43.0 64.6

134 19.2 16.9 25.3





#71

2-Chlorotoluene

Concen: 0.473 ppbv

RT: 14.812 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_1

ClientSampleId :

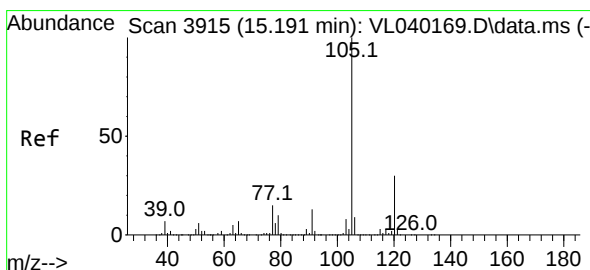
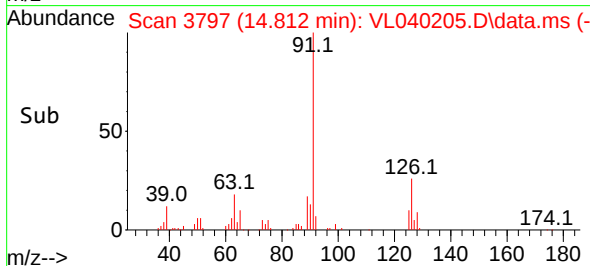
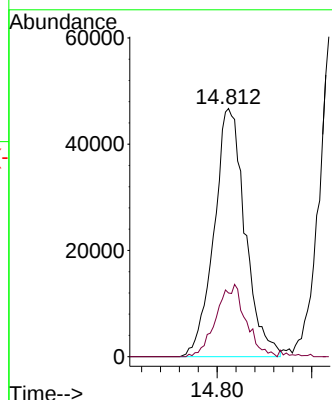
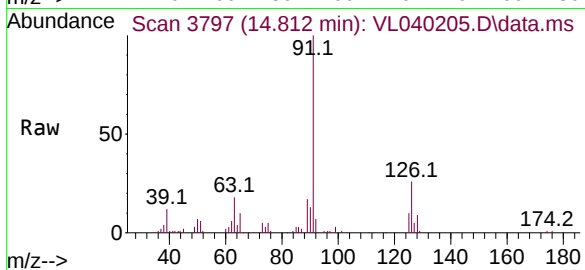
LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 106358

Ion Ratio Lower Upper

91 100

126 28.5 12.0 48.2



#72

4-Ethyltoluene

Concen: 0.211 ppbv

RT: 15.201 min Scan# 3918

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion:105 Resp: 47869

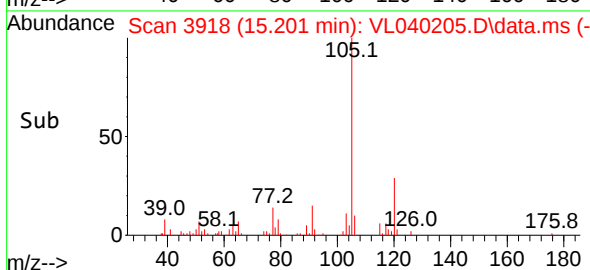
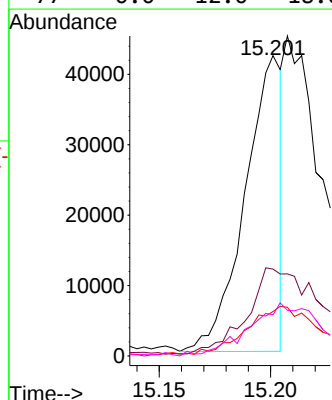
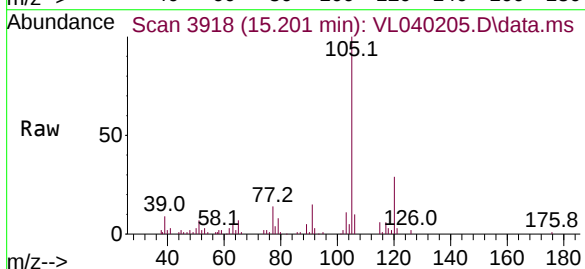
Ion Ratio Lower Upper

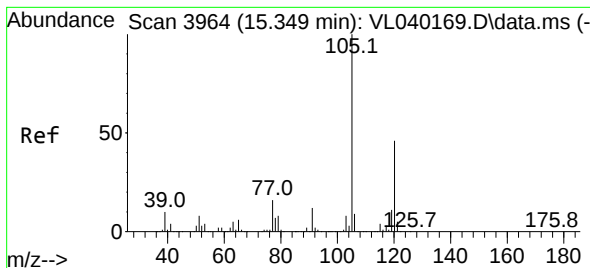
105 100

120 64.1 23.2 34.8#

91 0.0 11.3 16.9#

77 0.0 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.471 ppbv

RT: 15.368 min Scan# 3964

Delta R.T. -0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

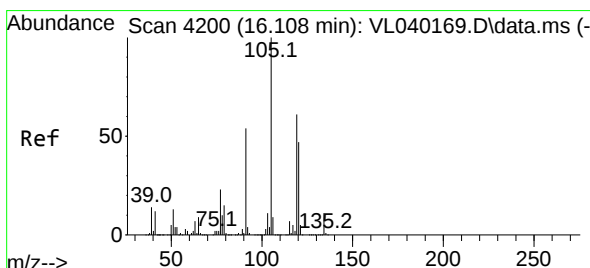
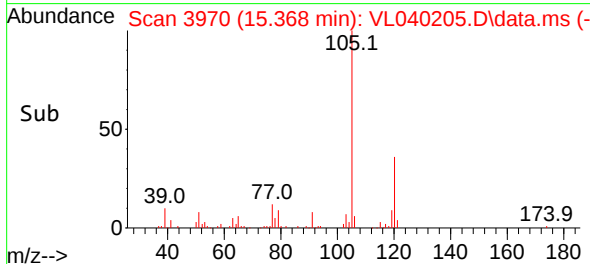
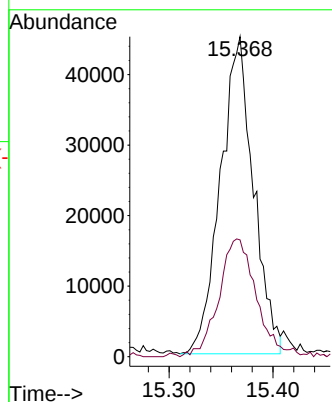
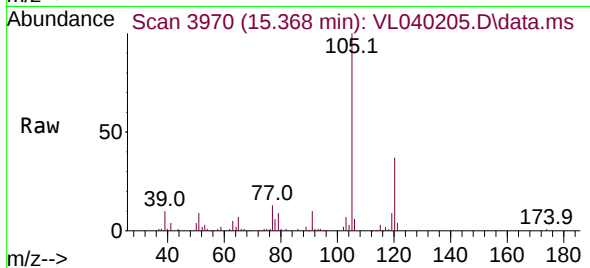
LOQ-AIR-02-QT1-2023

Tgt Ion:105 Resp: 99220

Ion Ratio Lower Upper

105 100

120 36.8 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 0.482 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion:105 Resp: 111626

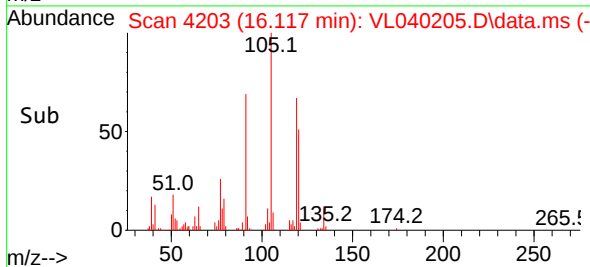
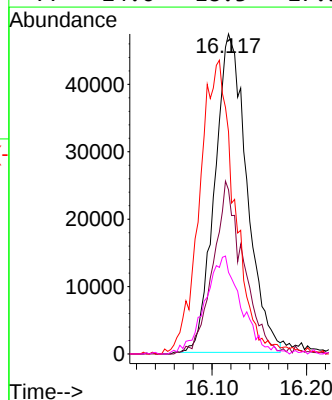
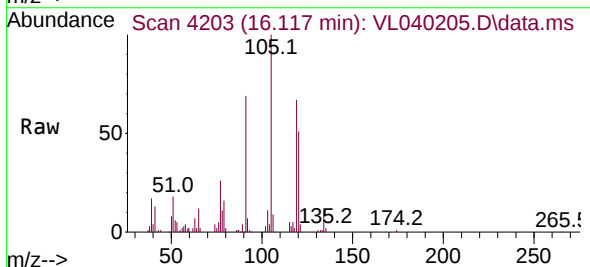
Ion Ratio Lower Upper

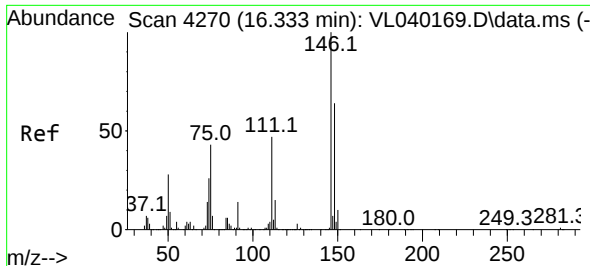
105 100

120 51.0 37.9 56.9

91 68.0 43.7 65.5#

77 24.6 18.3 27.5

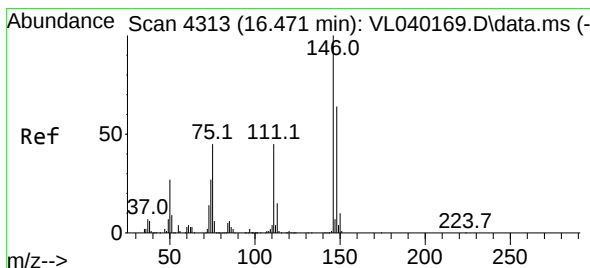
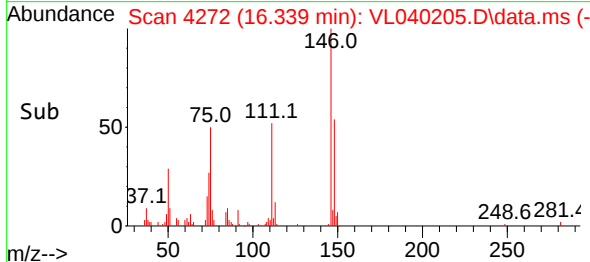
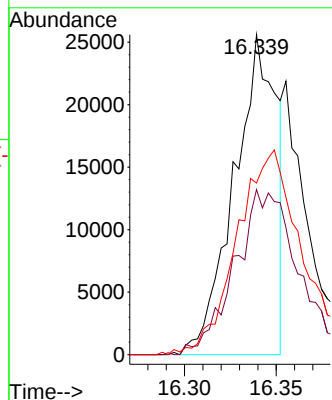
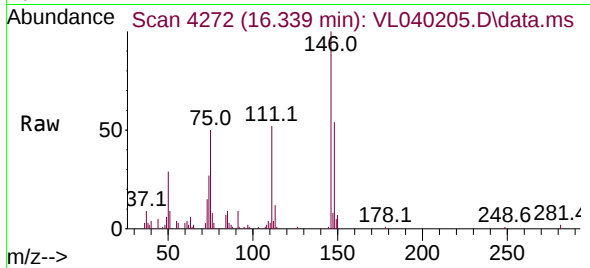




#75
1,3-Dichlorobenzene
Concen: 0.324 ppbv
RT: 16.339 min Scan# 41
Delta R.T. -0.023 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

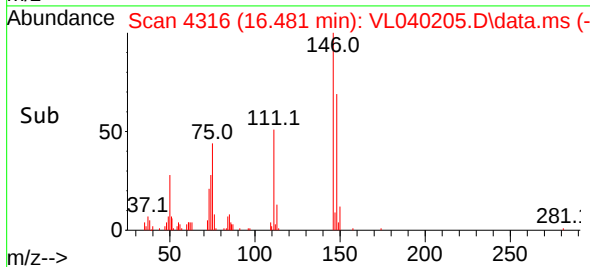
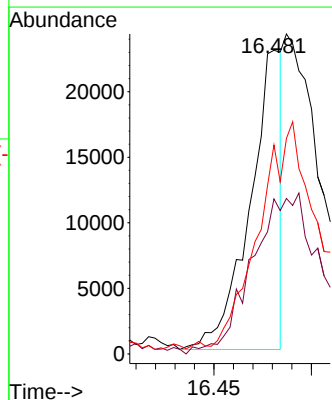
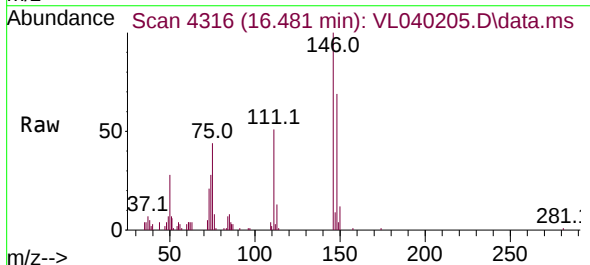
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion:146 Resp: 41047
Ion Ratio Lower Upper
146 100
111 80.2 23.9 71.8#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.209 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. -0.023 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:146 Resp: 25918
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#

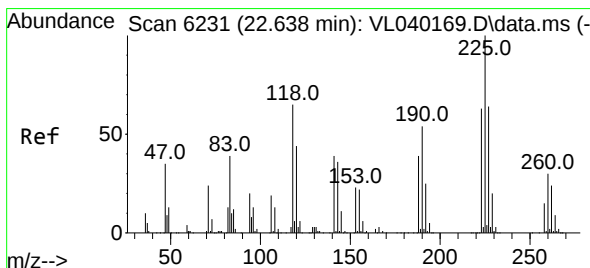
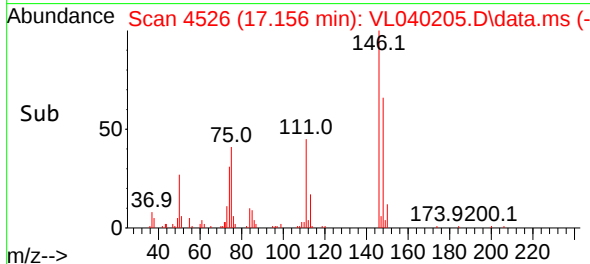
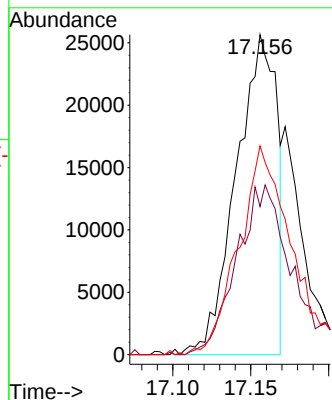
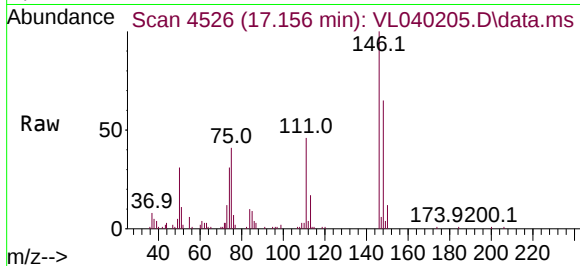




#77
1,2-Dichlorobenzene
Concen: 0.369 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. -0.023 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

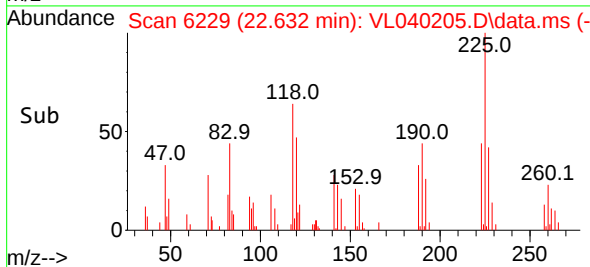
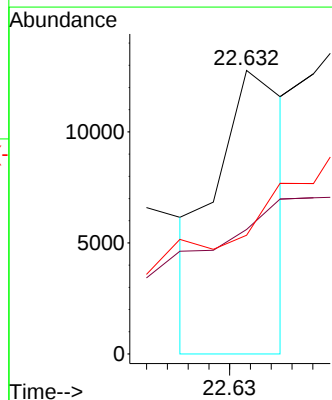
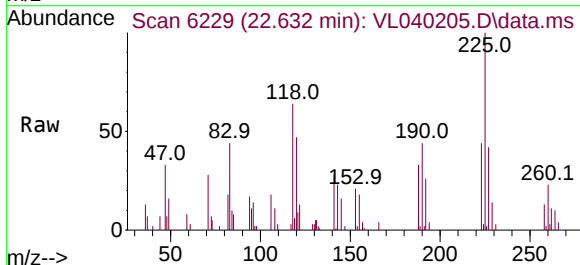
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

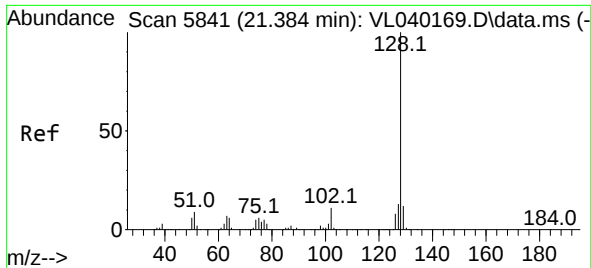
Tgt Ion:146 Resp: 46464
Ion Ratio Lower Upper
146 100
111 74.6 25.3 75.8
148 89.8 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 0.070 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. -0.035 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:225 Resp: 6021
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

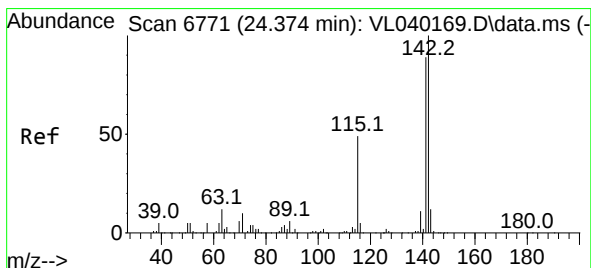
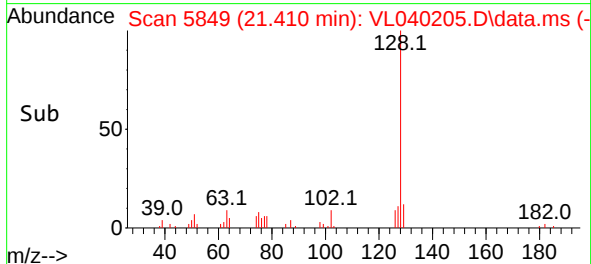
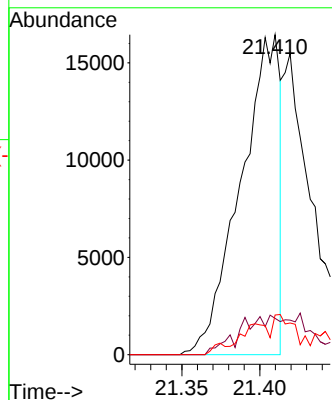
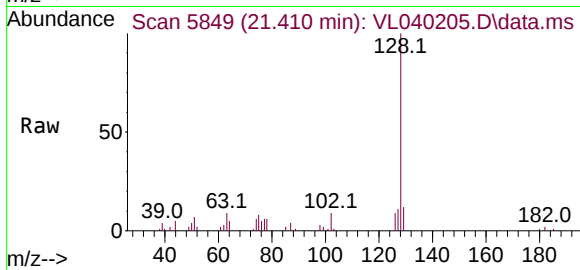




#79
Naphthalene
Concen: 0.221 ppbv
RT: 21.410 min Scan# 5849
Delta R.T. -0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

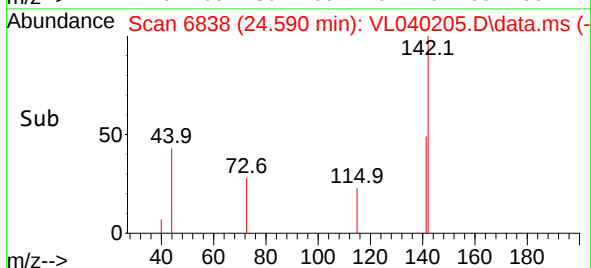
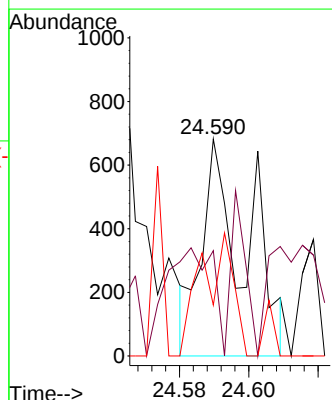
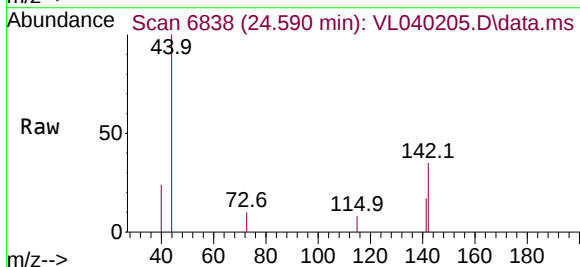
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

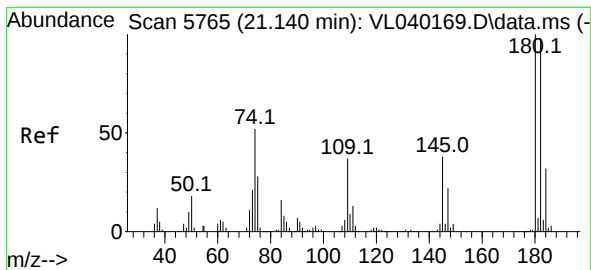
Tgt Ion:128 Resp: 28749
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.4
129 12.4 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 0.016 ppbv
RT: 24.590 min Scan# 6838
Delta R.T. 0.190 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:142 Resp: 592
Ion Ratio Lower Upper
142 100
141 80.1 67.3 100.9
115 47.6 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 0.235 ppbv

RT: 21.153 min Scan# 5

Delta R.T. -0.023 min

Lab File: VL040205.D

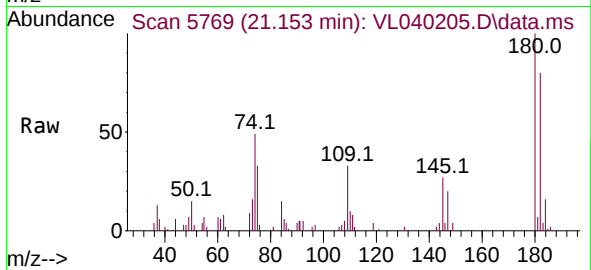
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:180 Resp: 19131

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 58.9 24.6 36.8#

