

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040206.D
 Acq On : 21 Feb 2023 22:23
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 22 05:08:25 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	833329	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2150406	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.474	117	1903032	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1572695	10.050	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	17982	0.116	ppbv	96
3) Chlorodifluoromethane	2.671	51	10834	0.109	ppbv	96
4) Chloromethane	2.809	50	7464	0.119	ppbv #	67
5) Vinyl Chloride	2.915	62	5245	0.104	ppbv #	83
6) Bromomethane	3.115	94	524	0.029	ppbv	88
7) Chloroethane	3.188	64	1370	0.069	ppbv	93
8) Dichlorotetrafluoroethane	2.854	85	14466	0.108	ppbv	95
9) Propene	2.693	41	6607	0.163	ppbv	96
10) Heptane	7.590	43	2841	0.029	ppbv #	1
11) Trichlorofluoromethane	3.558	101	15430	0.111	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.066	101	10201	0.099	ppbv	84
13) Ethanol	3.256	45	770	0.206	ppbv #	31
14) Bromoethene	3.362	108	3892	0.099	ppbv #	91
15) Acetone	3.491	43	16622	0.166	ppbv #	82
16) 1,3-Butadiene	2.980	39	2211	0.048	ppbv #	8
17) tert-Butyl alcohol	3.877	59	236	0.003	ppbv #	72
18) 1,1-Dichloroethene	3.883	96	3554	0.080	ppbv #	65
19) Isopropyl Alcohol	3.597	45	4424	0.093	ppbv #	82
20) Methylene Chloride	3.934	84	13713	0.263	ppbv #	94
21) Allyl Chloride	3.996	41	6476	0.105	ppbv	93
22) trans-1,2-Dichloroethene	4.442	96	2183	0.047	ppbv	93
23) Vinyl Acetate	4.635	43	1605	0.053	ppbv #	1
24) 1,1-Dichloroethane	4.568	63	9128	0.096	ppbv #	96
25) Ethyl Acetate	5.221	43	17482	0.094	ppbv #	95
26) Hexane	5.211	57	1777	0.022	ppbv #	1
27) Carbon Disulfide	4.121	76	8841	0.087	ppbv #	90
28) Methyl tert-Butyl Ether	4.603	73	4036	0.047	ppbv #	52
29) Chloroform	5.272	83	13924	0.101	ppbv	98
30) Cyclohexane	6.603	84	2889	0.046	ppbv #	1
31) cis-1,2-Dichloroethene	5.082	61	7837	0.103	ppbv #	82
32) 1,1,1-Trichloroethane	6.005	97	8602	0.067	ppbv #	61
34) 2-Butanone	4.758	43	198	0.002	ppbv #	53
35) Carbon Tetrachloride	6.494	117	5339	0.042	ppbv #	80
36) Benzene	6.372	78	13221	0.079	ppbv #	92
37) 1,2-Dichloroethane	5.803	62	6732	0.064	ppbv #	88
38) Trichloroethene	7.294	130	7984	0.087	ppbv #	88
39) 1,2-Dichloropropane	6.655	63	547403	8.409	ppbv #	25
40) 1,4-Dioxane	7.330	88	548	0.021	ppbv #	1
41) Tetrahydrofuran	5.590	42	1602	0.026	ppbv #	1
42) Bromodichloromethane	7.253	83	9629	0.067	ppbv #	88
43) Methyl Methacrylate	7.481	69	1543	0.025	ppbv #	1
44) 2,2,4-Trimethylpentane	7.333	57	20055	0.072	ppbv #	87
45) t-1,3-Dichloropropene	8.712	75	616	0.011	ppbv	93

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Quant Time: Feb 22 05:08:25 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

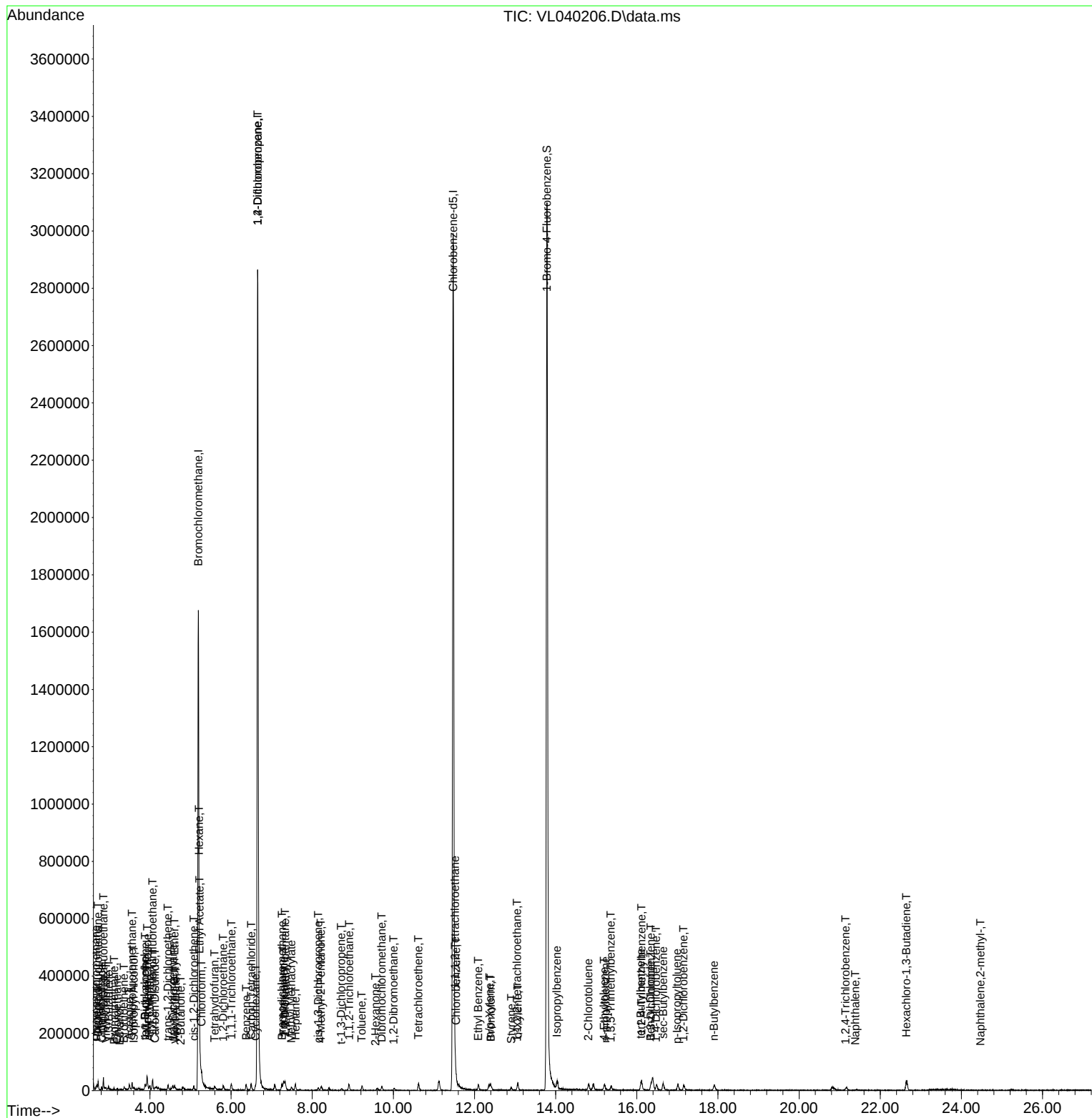
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.146	75	2316	0.030	ppbv	# 60
47) 1,1,2-Trichloroethane	8.909	97	5786	0.082	ppbv	# 79
48) Dibromochloromethane	9.709	129	2021	0.018	ppbv	# 10
49) Bromoform	12.404	173	2178	0.025	ppbv	# 23
50) 4-Methyl-2-Pentanone	8.208	43	2846	0.017	ppbv	# 38
51) 2-Hexanone	9.558	43	109	0.001	ppbv	# 29
52) Tetrachloroethene	10.619	164	2590	0.050	ppbv	# 75
53) Toluene	9.217	91	4925	0.027	ppbv	# 20
54) 1,2-Dibromoethane	10.005	107	1716	0.023	ppbv	# 84
56) 1,1,1,2-Tetrachloroethane	11.516	131	1842	0.023	ppbv	# 1
57) Chlorobenzene	11.542	112	7016	0.050	ppbv	# 66
58) Ethyl Benzene	12.092	91	6829	0.030	ppbv	# 91
59) m/p-Xylene	12.371	91	2104	0.010	ppbv	# 33
60) o-Xylene	13.063	91	7300	0.037	ppbv	# 33
61) Styrene	12.905	104	1825	0.018	ppbv	# 13
62) Isopropylbenzene	14.031	105	7965	0.028	ppbv	# 50
63) 1,1,2,2-Tetrachloroethane	13.050	83	1702	0.024	ppbv	# 21
64) n-propylbenzene	15.227	120	469	0.007	ppbv	# 68
65) tert-Butylbenzene	16.095	119	6657	0.027	ppbv	# 1
66) Benzyl Chloride	16.336	91	142	0.009	ppbv	# 67
67) sec-Butylbenzene	16.648	105	6062	0.017	ppbv	# 12
69) p-Isopropyltoluene	16.989	119	1595	0.006	ppbv	# 1
70) n-Butylbenzene	17.902	91	6022	0.020	ppbv	# 11
71) 2-Chlorotoluene	14.802	91	2917	0.013	ppbv	# 45
72) 4-Ethyltoluene	15.194	105	3200	0.015	ppbv	# 55
73) 1,3,5-Trimethylbenzene	15.358	105	3051	0.015	ppbv	# 68
74) 1,2,4-Trimethylbenzene	16.117	105	624	0.003	ppbv	# 77
75) 1,3-Dichlorobenzene	16.346	146	5870	0.048	ppbv	# 23
76) 1,4-Dichlorobenzene	16.474	146	2083	0.017	ppbv	# 23
77) 1,2-Dichlorobenzene	17.149	146	3042	0.025	ppbv	# 1
78) Hexachloro-1,3-Butadiene	22.641	225	2786	0.034	ppbv	# 18
79) Naphthalene	21.384	128	340	0.003	ppbv	# 69
80) Naphthalene,2-methyl-	24.467	142	29	0.001	ppbv	# 16
81) 1,2,4-Trichlorobenzene	21.143	180	390	0.005	ppbv	# 11

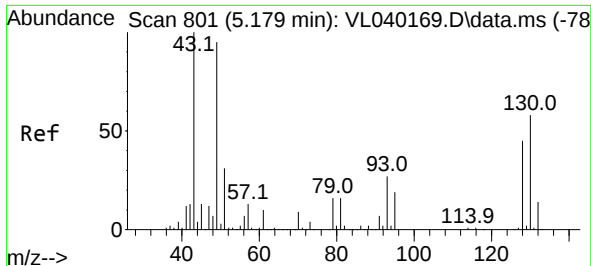
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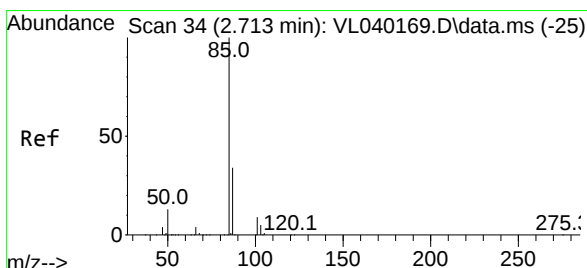
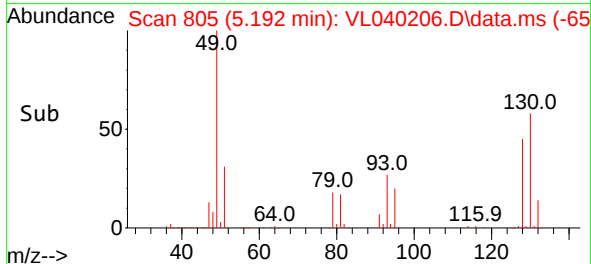
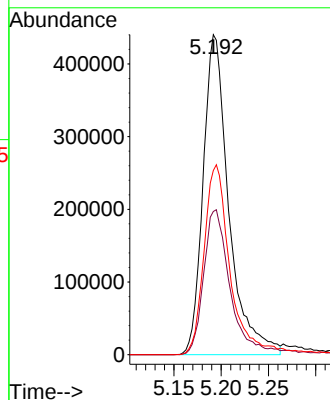
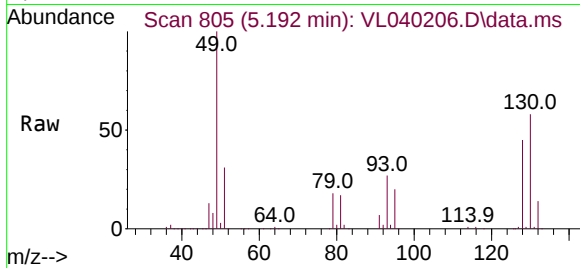




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

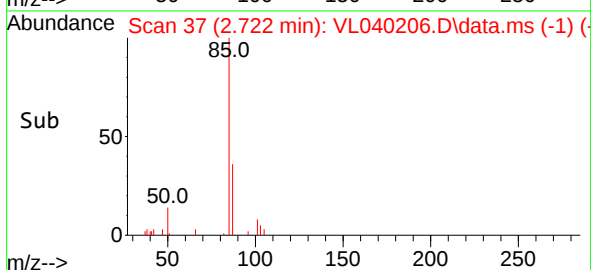
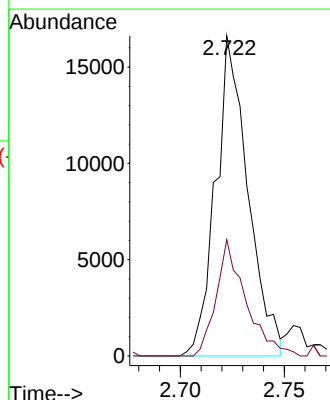
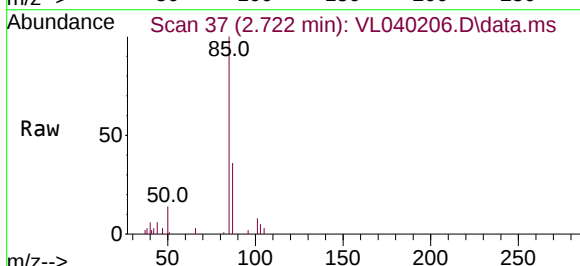
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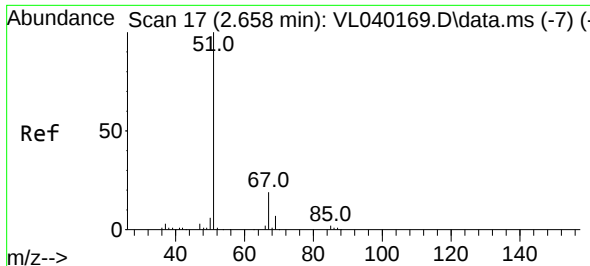
Tgt Ion: 49 Resp: 833329
Ion Ratio Lower Upper
49 100
128 48.5 24.1 72.3
130 61.8 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 85 Resp: 17982
Ion Ratio Lower Upper
85 100
87 36.4 27.0 40.6

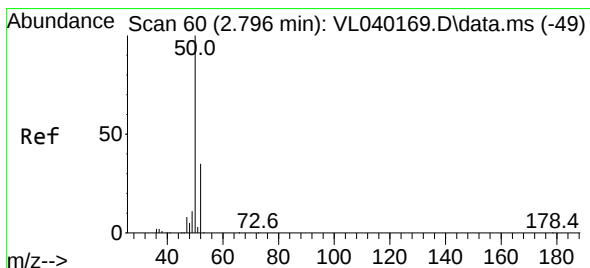
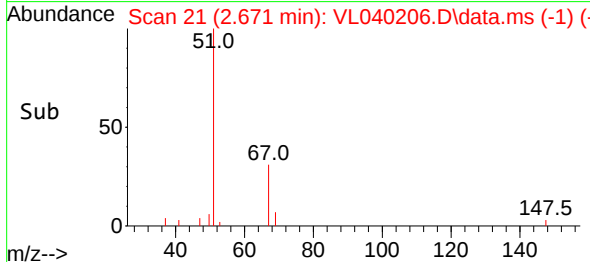
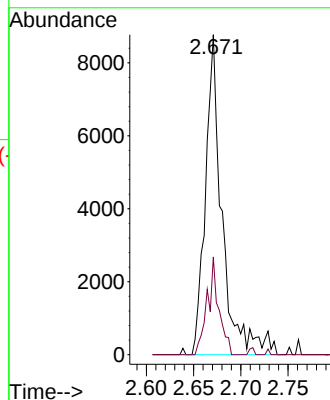
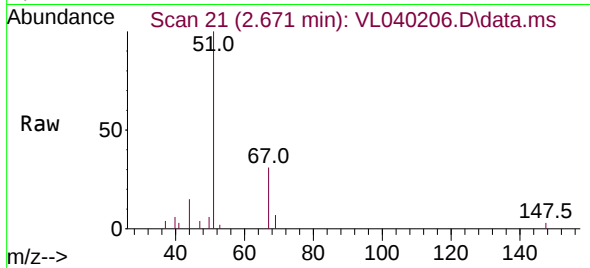




#3
Chlorodifluoromethane
Concen: 0.109 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

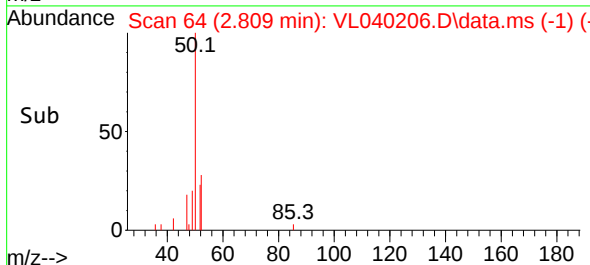
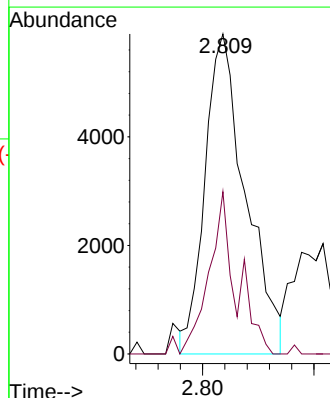
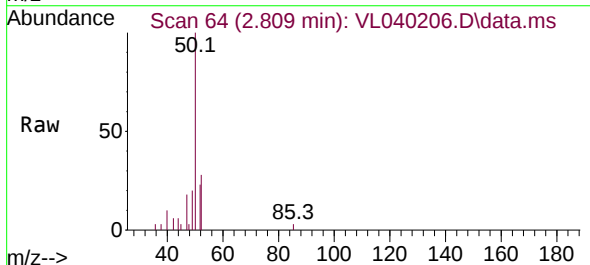
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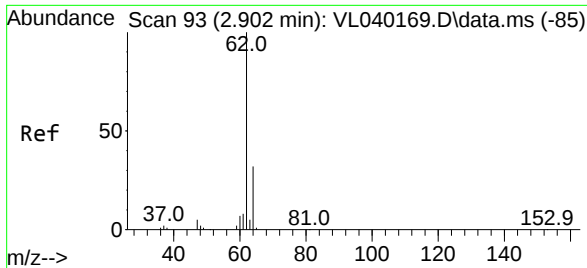
Tgt Ion: 51 Resp: 10834
Ion Ratio Lower Upper
51 100
67 21.0 15.4 23.2



#4
Chloromethane
Concen: 0.119 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 50 Resp: 7464
Ion Ratio Lower Upper
50 100
52 54.6 28.3 42.5#

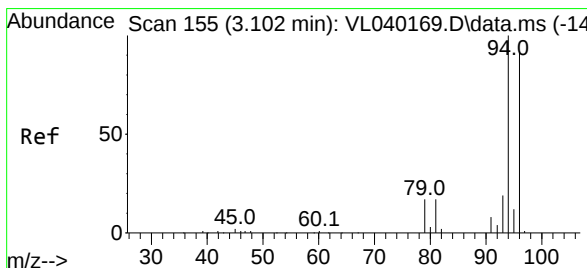
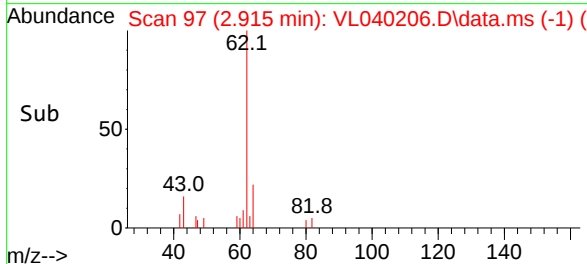
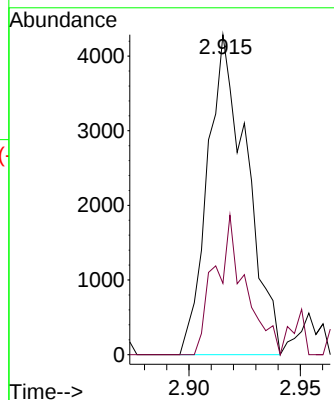
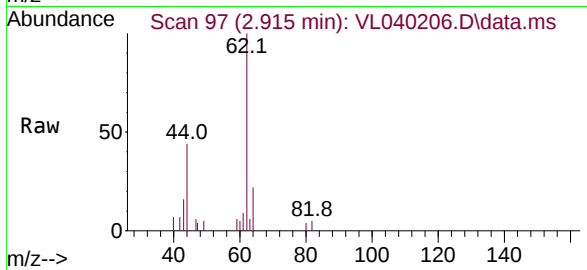




#5
 Vinyl Chloride
 Concen: 0.104 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

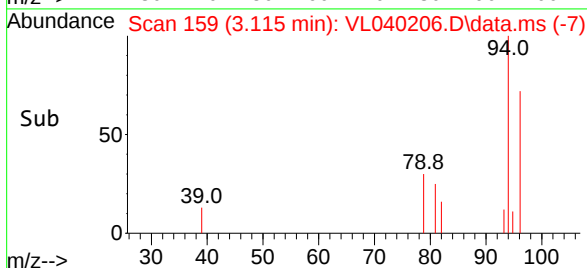
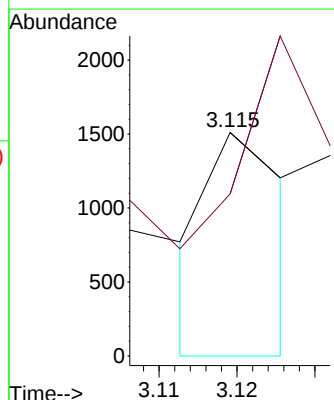
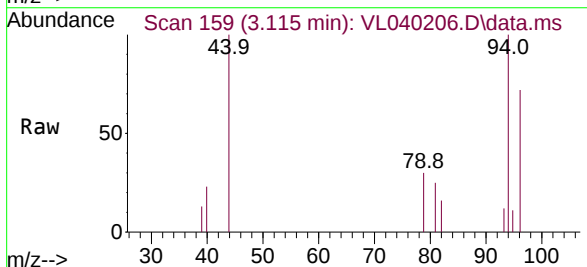
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

Tgt Ion: 62 Resp: 5245
 Ion Ratio Lower Upper
 62 100
 64 22.3 25.6 38.4#



#6
 Bromomethane
 Concen: 0.029 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

Tgt Ion: 94 Resp: 524
 Ion Ratio Lower Upper
 94 100
 96 80.4 73.4 110.2

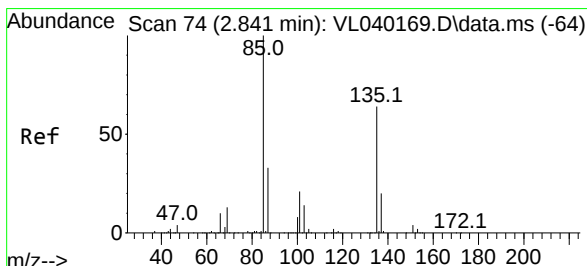
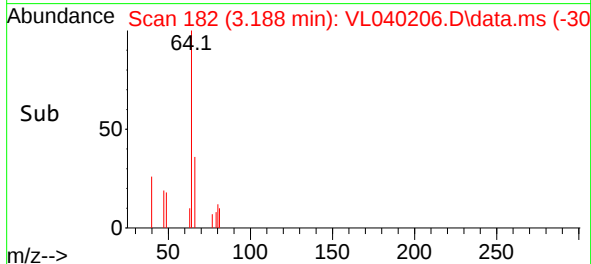
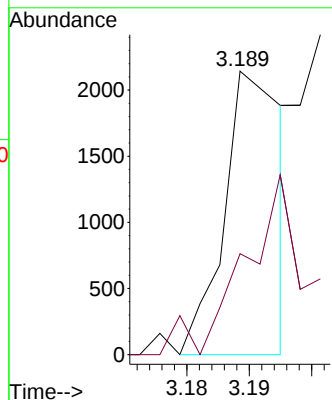
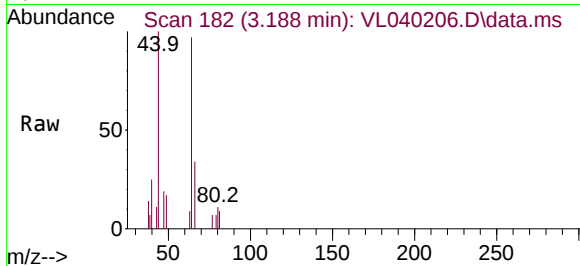




#7
Chloroethane
Concen: 0.069 ppbv
RT: 3.188 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

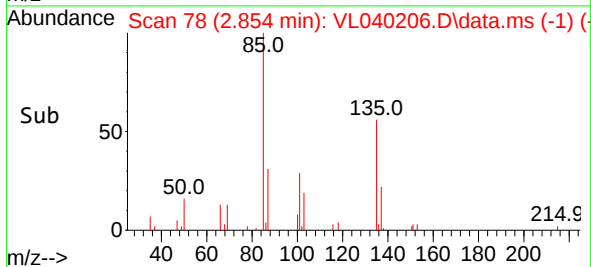
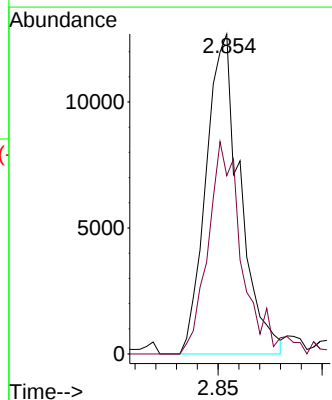
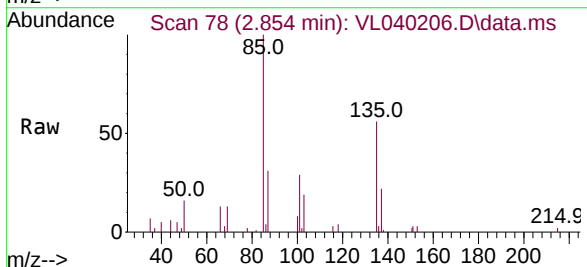
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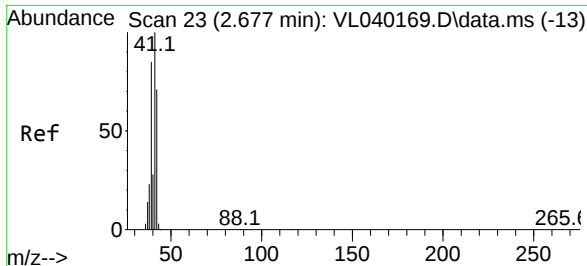
Tgt Ion: 64 Resp: 1370
Ion Ratio Lower Upper
64 100
66 35.6 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.108 ppbv
RT: 2.854 min Scan# 78
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 85 Resp: 14466
Ion Ratio Lower Upper
85 100
135 68.3 51.5 77.3





#9

Propene

Concen: 0.163 ppbv

RT: 2.693 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_1

ClientSampleId :

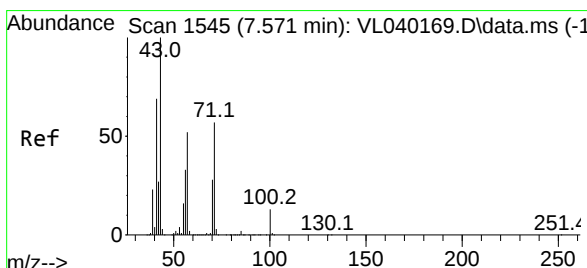
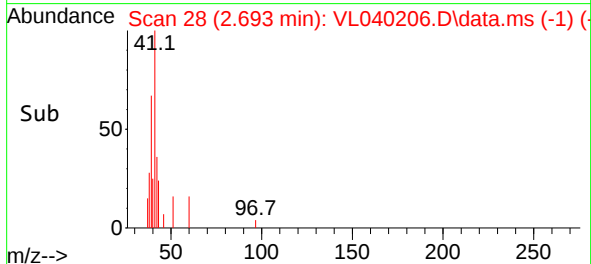
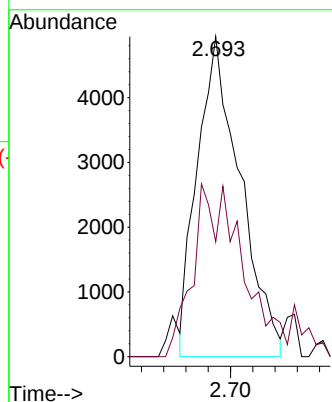
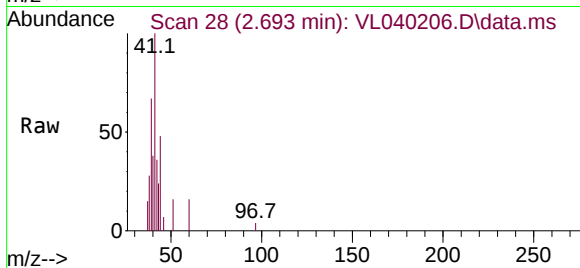
LOQ-AIR-02-QT1-2023

Tgt Ion: 41 Resp: 6607

Ion Ratio Lower Upper

41 100

42 68.0 56.9 85.3



#10

Heptane

Concen: 0.029 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. -0.013 min

Lab File: VL040206.D

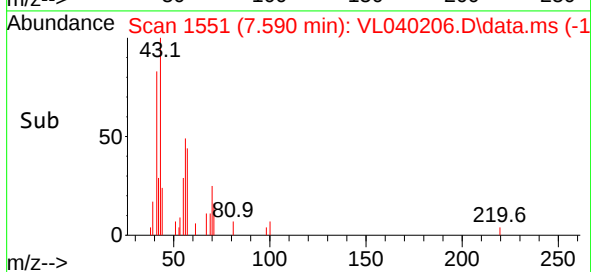
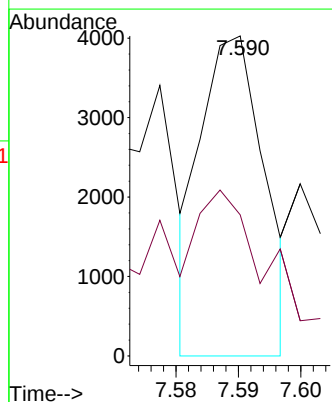
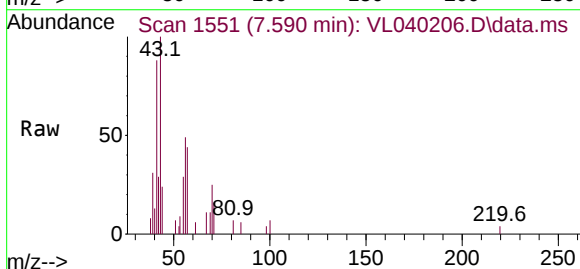
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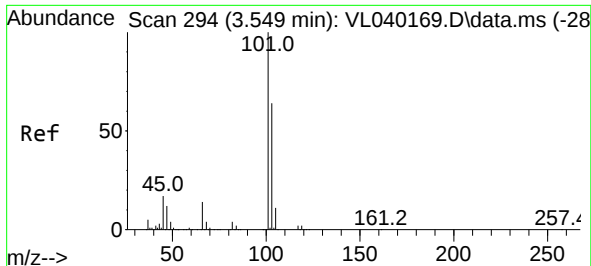
Tgt Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

57 129.3 41.4 62.2#

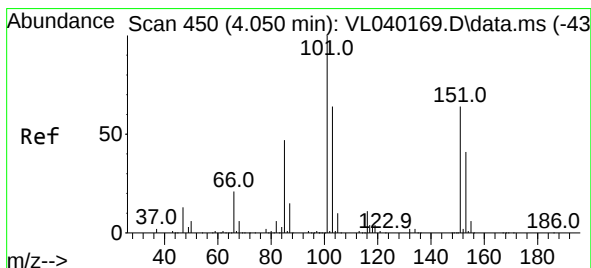
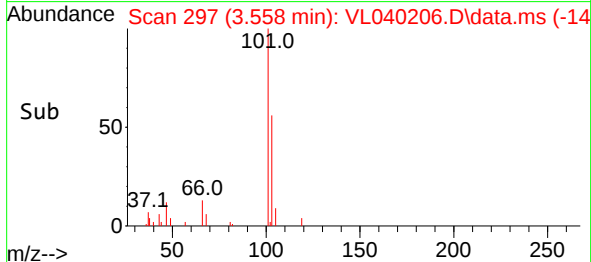
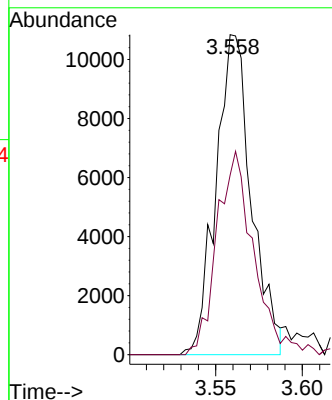
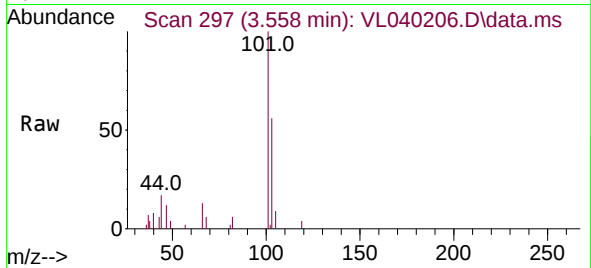




#11
 Trichlorofluoromethane
 Concen: 0.111 ppbv
 RT: 3.558 min Scan# 294
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

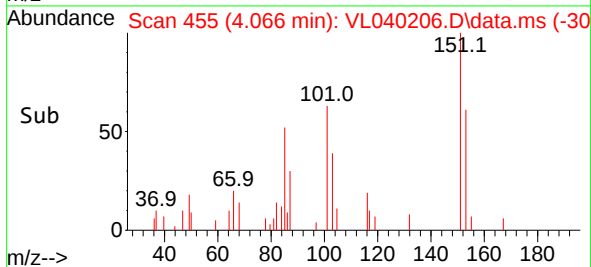
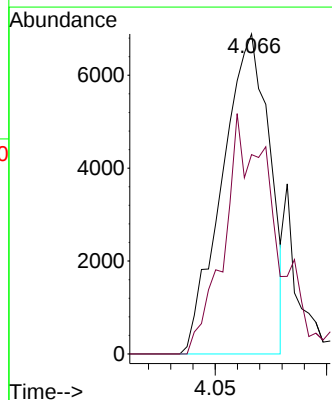
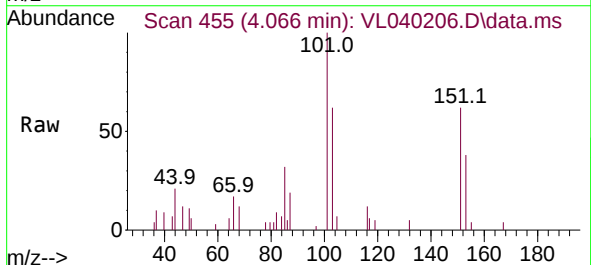
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

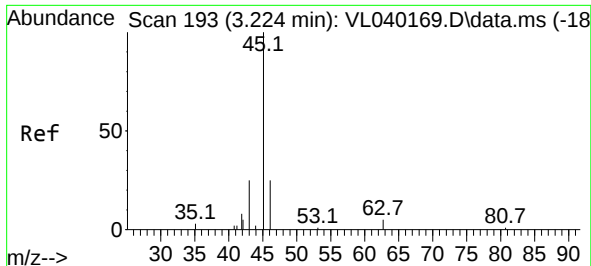
Tgt Ion:101 Resp: 15430
 Ion Ratio Lower Upper
 101 100
 103 56.1 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.099 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

Tgt Ion:101 Resp: 10201
 Ion Ratio Lower Upper
 101 100
 151 81.3 54.7 82.1

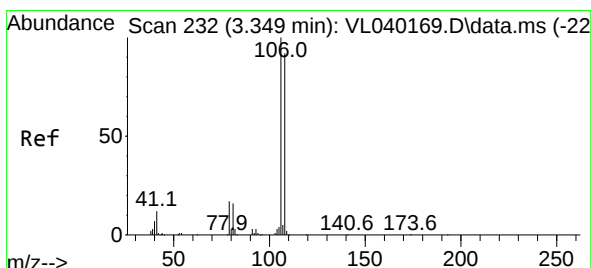
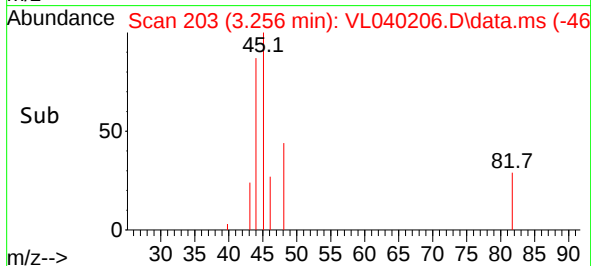
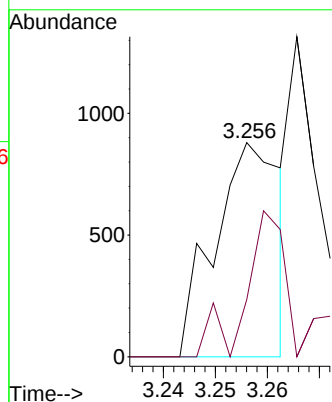
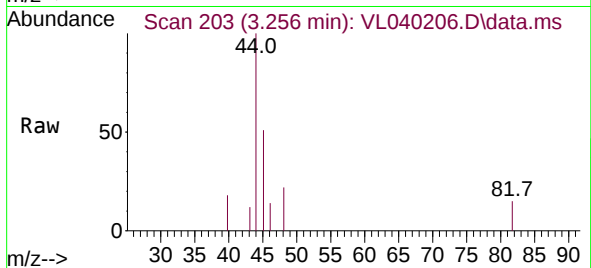




#13
Ethanol
Concen: 0.206 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.006 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

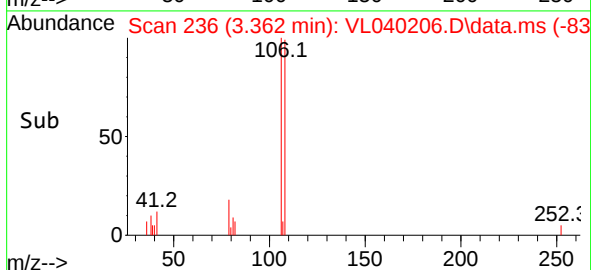
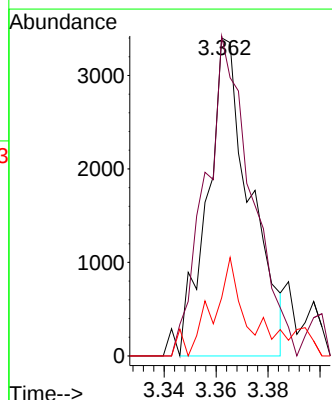
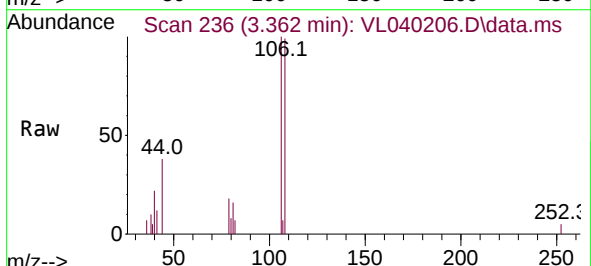
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

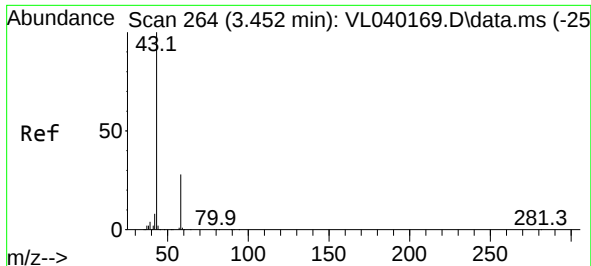
Tgt Ion: 45 Resp: 770
Ion Ratio Lower Upper
45 100
46 72.3 13.3 53.1#



#14
Bromoethene
Concen: 0.099 ppbv
RT: 3.362 min Scan# 236
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 108 Resp: 3892
Ion Ratio Lower Upper
108 100
106 116.2 87.1 130.7
79 29.8 15.4 23.2#

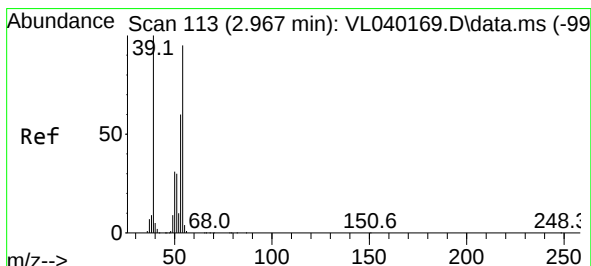
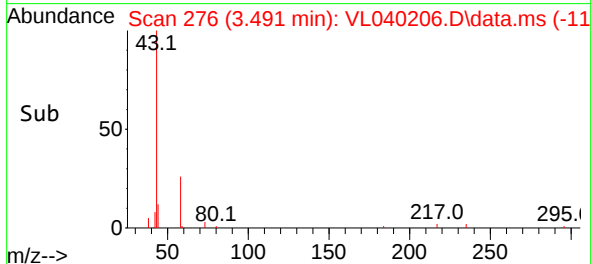
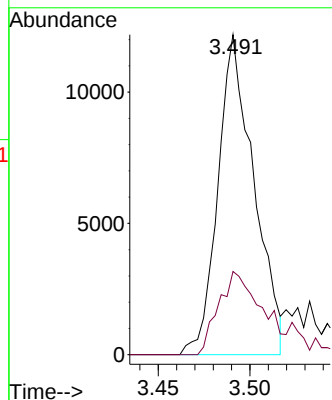
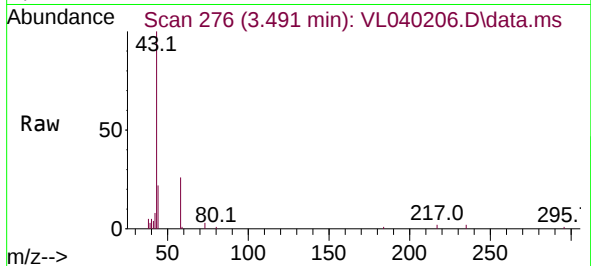




#15
Acetone
Concen: 0.166 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

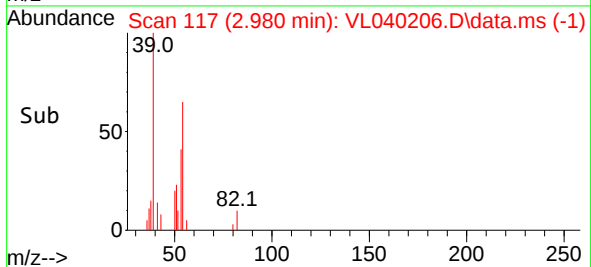
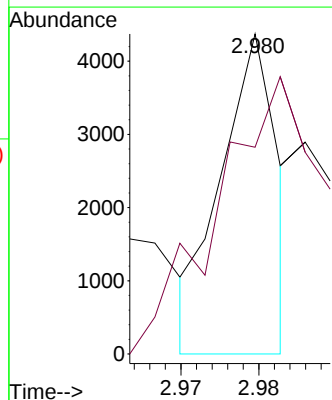
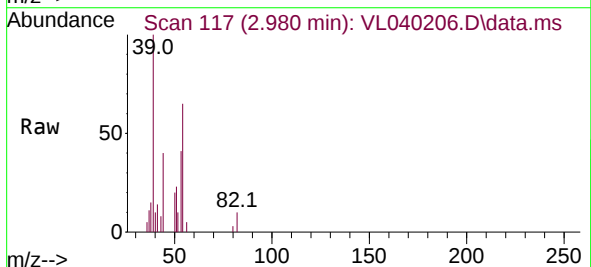
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

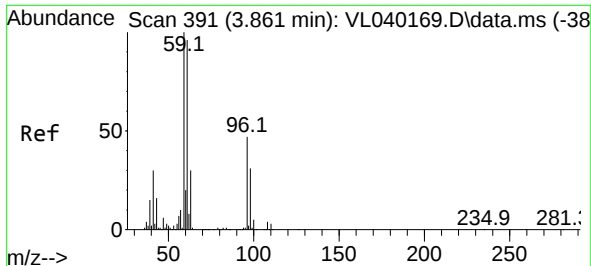
Tgt Ion: 43 Resp: 16622
Ion Ratio Lower Upper
43 100
58 37.3 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.048 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 39 Resp: 2211
Ion Ratio Lower Upper
39 100
54 0.0 66.7 100.1#





#17

tert-Butyl alcohol

Concen: 0.003 ppbv

RT: 3.877 min Scan# 391

Delta R.T. -0.010 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

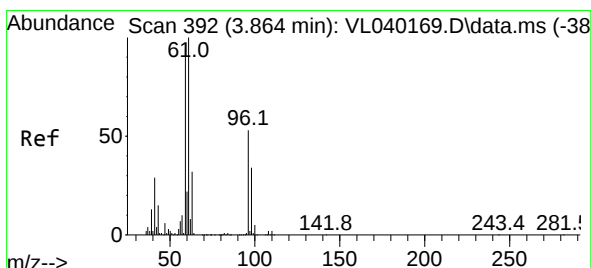
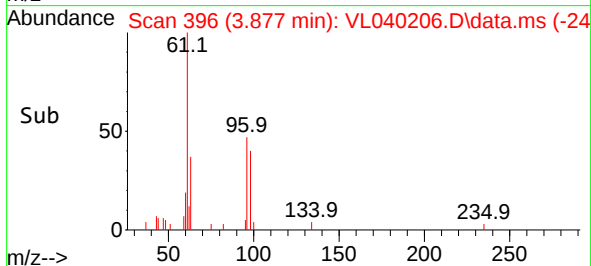
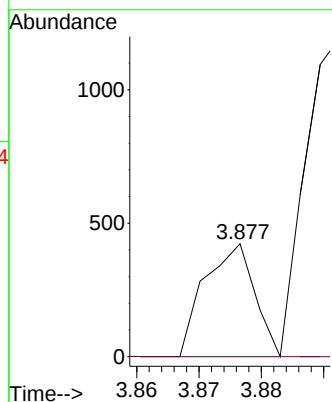
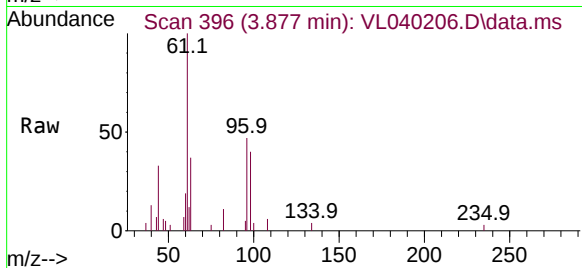
LOQ-AIR-02-QT1-2023

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.080 ppbv

RT: 3.883 min Scan# 398

Delta R.T. -0.003 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

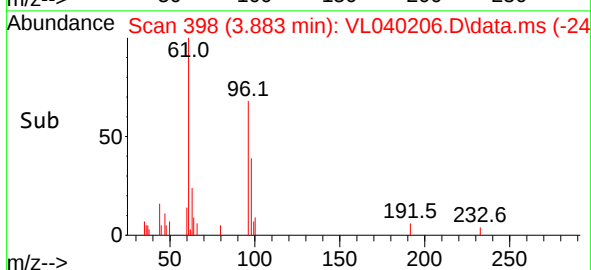
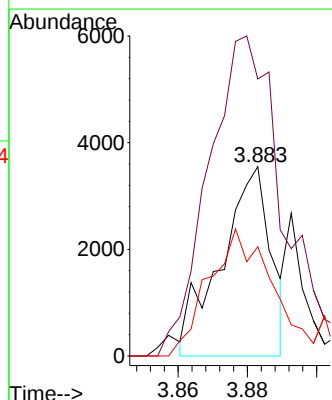
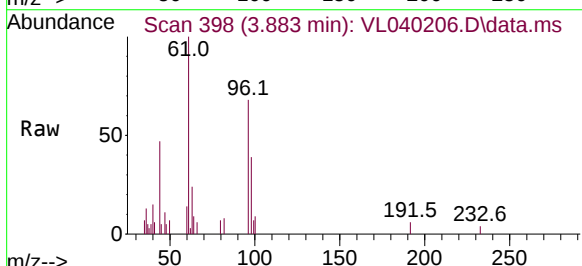
Tgt Ion: 96 Resp: 3554

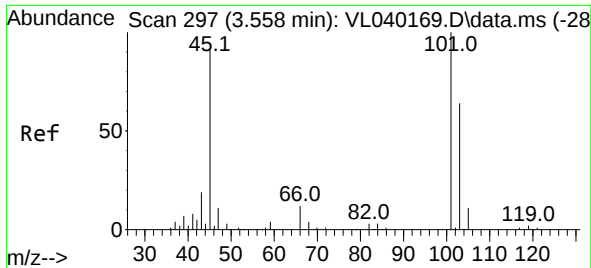
Ion Ratio Lower Upper

96 100

61 124.5 149.6 224.4#

98 53.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.093 ppbv

RT: 3.597 min Scan# 309

Delta R.T. 0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

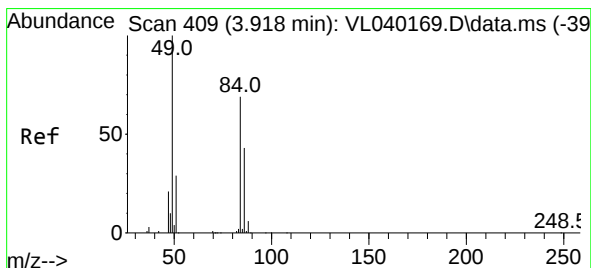
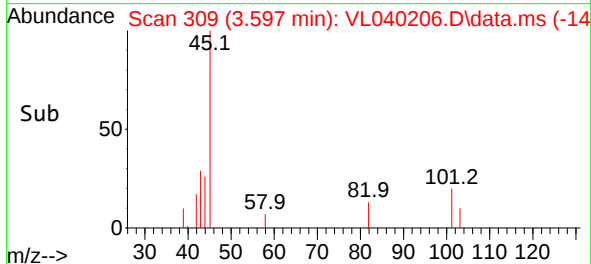
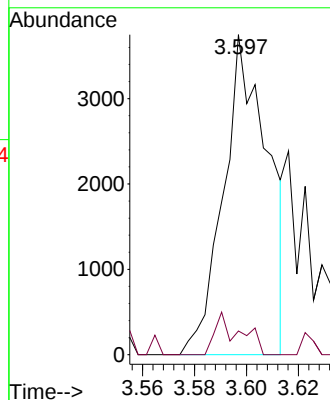
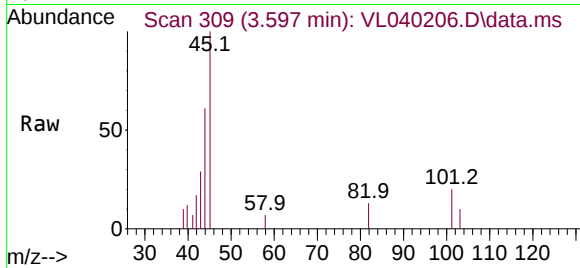
LOQ-AIR-02-QT1-2023

Tgt Ion: 45 Resp: 4424

Ion Ratio Lower Upper

45 100

58 9.3 2.6 3.8#



#20

Methylene Chloride

Concen: 0.263 ppbv

RT: 3.934 min Scan# 414

Delta R.T. -0.003 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion: 84 Resp: 13713

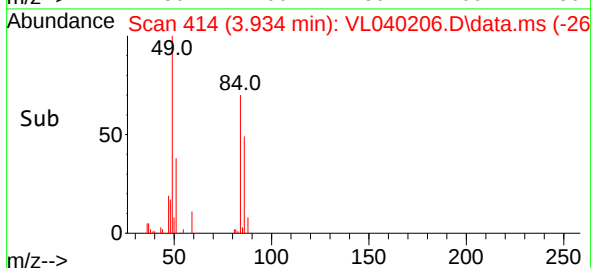
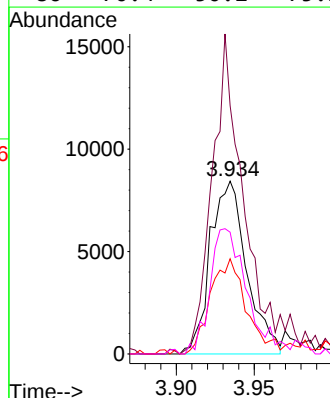
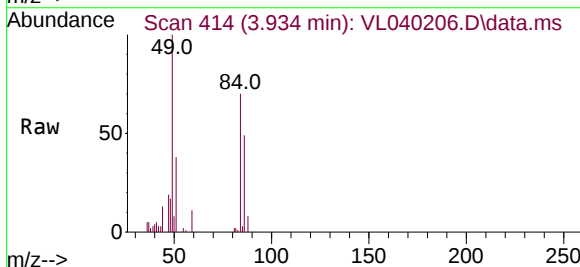
Ion Ratio Lower Upper

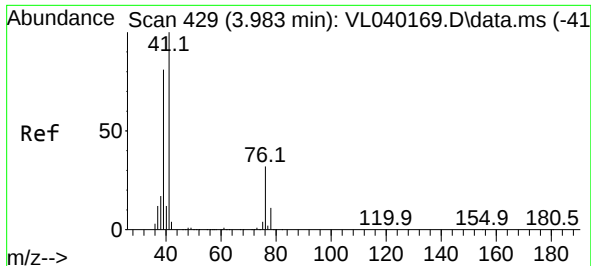
84 100

49 143.7 115.5 173.3

51 55.1 33.1 49.7#

86 70.4 50.2 75.2





#21

Allyl Chloride

Concen: 0.105 ppbv

RT: 3.996 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

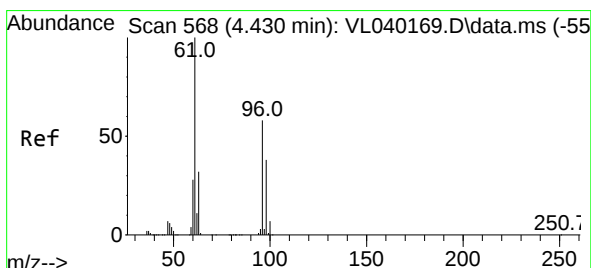
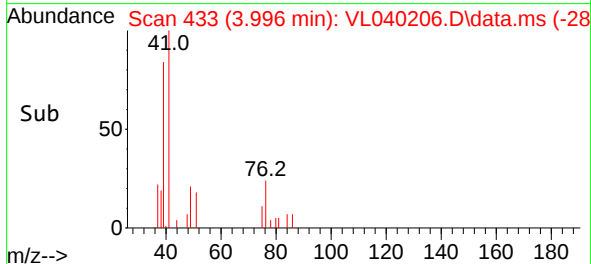
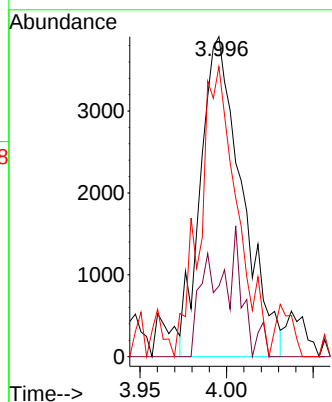
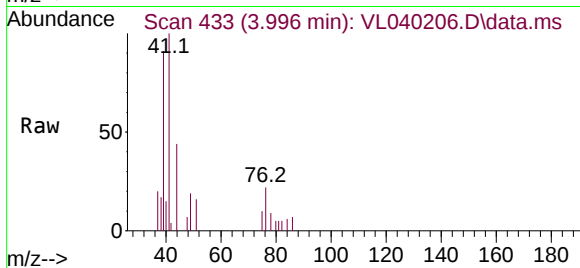
Tgt Ion: 41 Resp: 6476

Ion Ratio Lower Upper

41 100

76 29.3 25.5 38.3

39 87.4 64.5 96.7



#22

trans-1,2-Dichloroethene

Concen: 0.047 ppbv

RT: 4.442 min Scan# 572

Delta R.T. -0.013 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

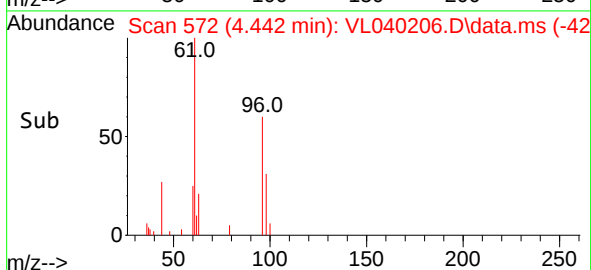
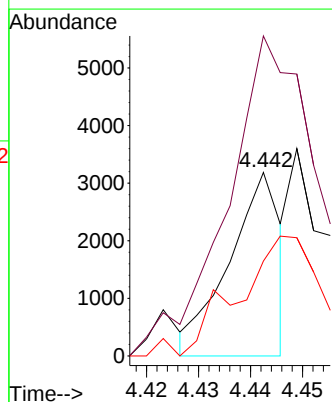
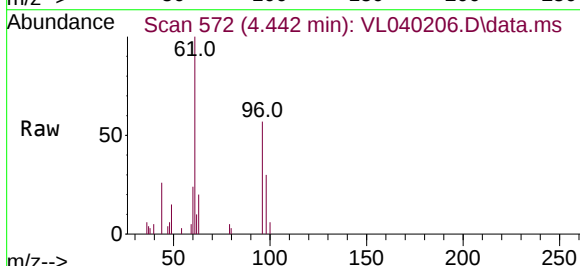
Tgt Ion: 96 Resp: 2183

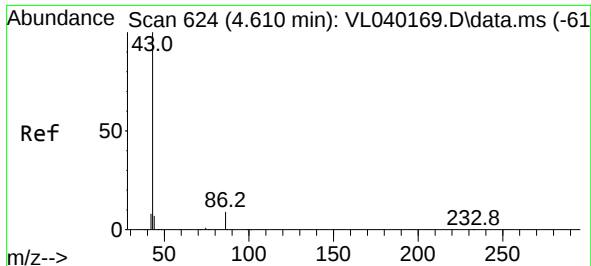
Ion Ratio Lower Upper

96 100

61 180.5 137.5 206.3

98 59.4 52.8 79.2

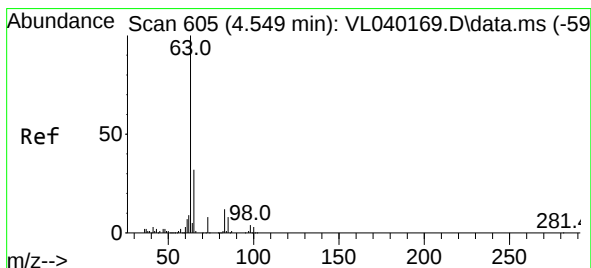
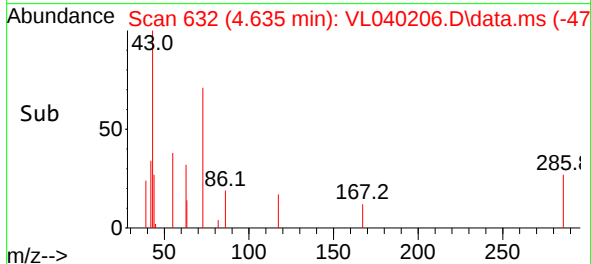
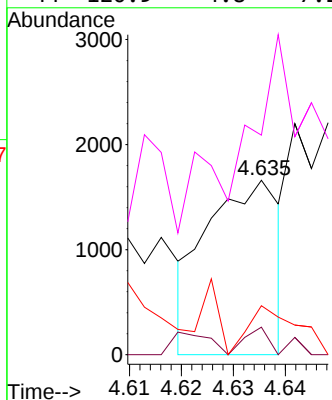
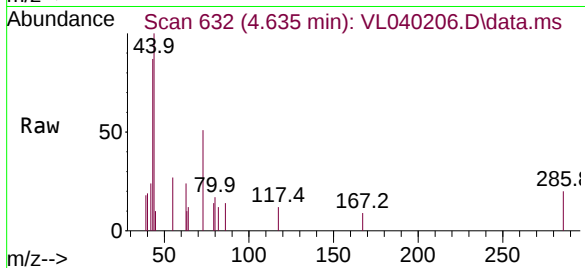




#23
 Vinyl Acetate
 Concen: 0.053 ppbv
 RT: 4.635 min Scan# 611
 Delta R.T. -0.003 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

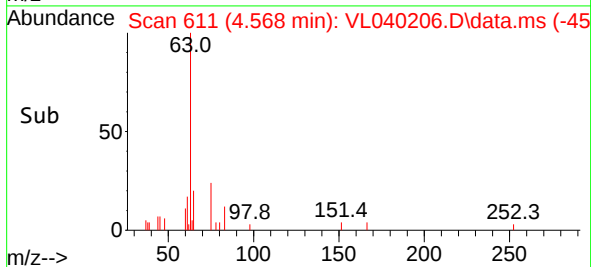
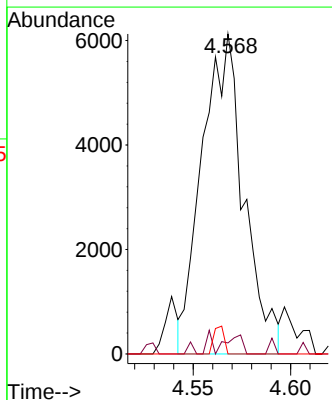
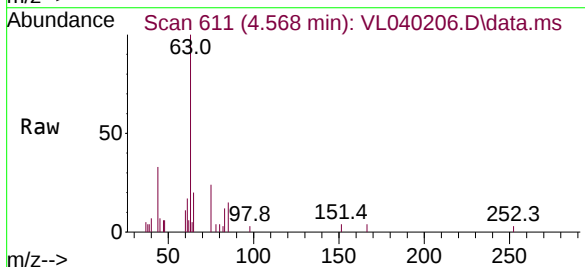
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

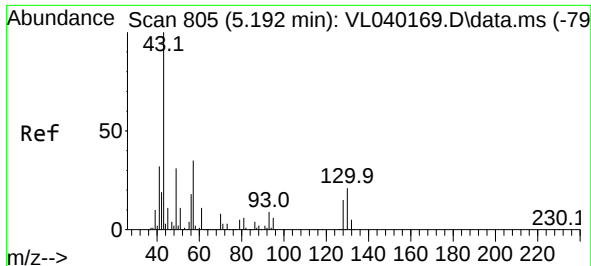
Tgt Ion:	43	Resp:	1605
Ion	Ratio	Lower	Upper
43	100		
86	34.0	5.6	8.4#
42	29.2	7.6	11.4#
44	120.9	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.096 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

Tgt Ion:	63	Resp:	9128
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.3	6.8
100	0.0	1.4	4.0#

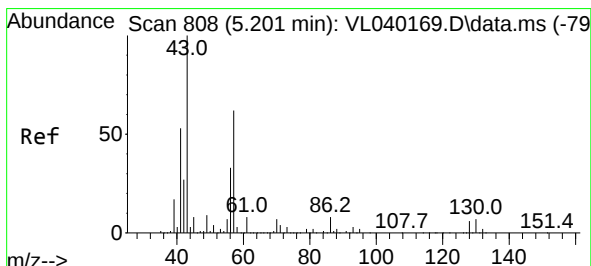
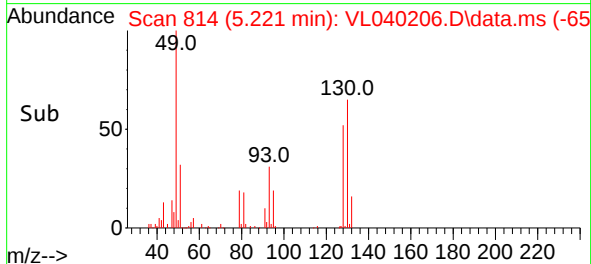
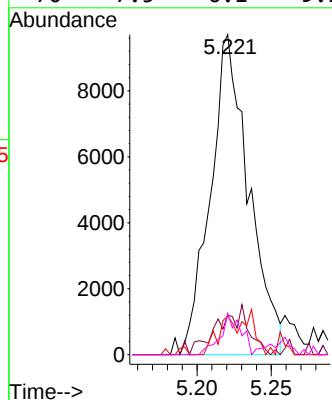
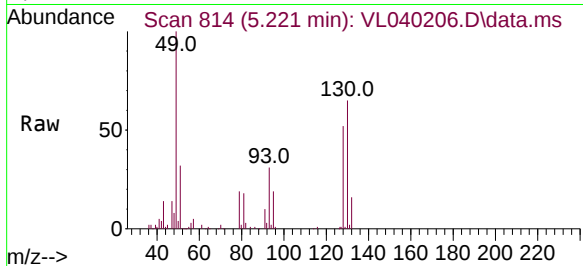




#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

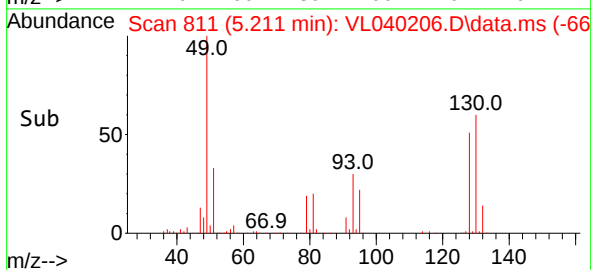
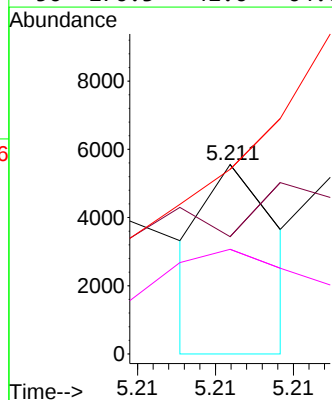
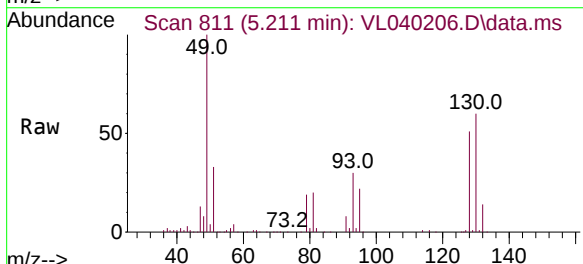
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

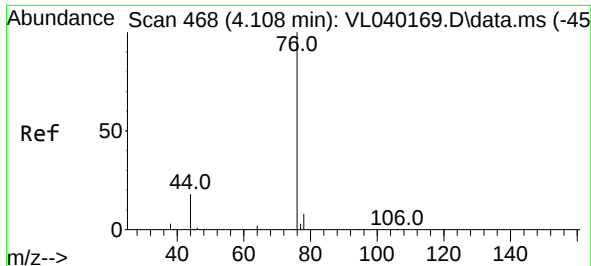
Tgt Ion:	43	Resp:	17482
Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.3	12.5#
61	12.5	8.4	12.6
70	7.5	6.1	9.1



#26
Hexane
Concen: 0.022 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:	57	Resp:	1777
Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.3	111.5#
43	0.0	193.0	289.4#
56	276.3	42.6	64.0#

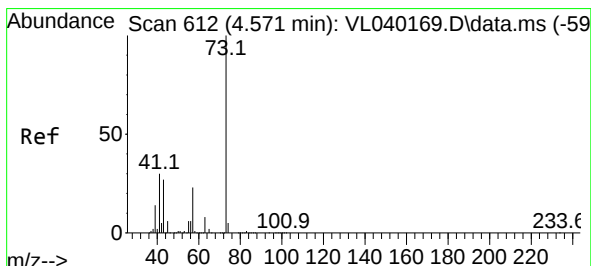
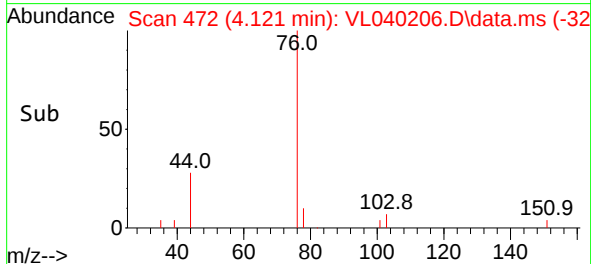
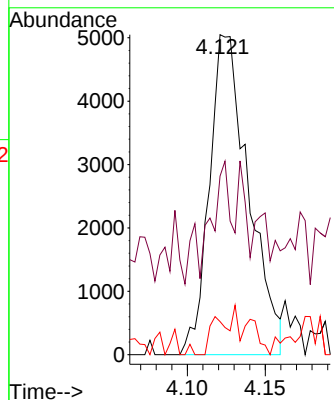
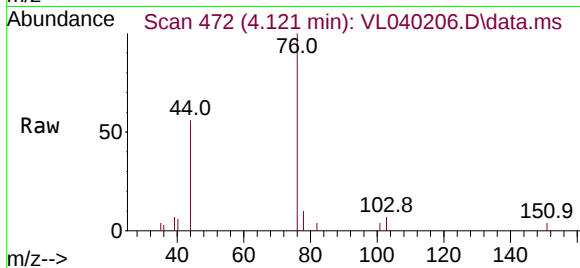




#27
Carbon Disulfide
Concen: 0.087 ppbv
RT: 4.121 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

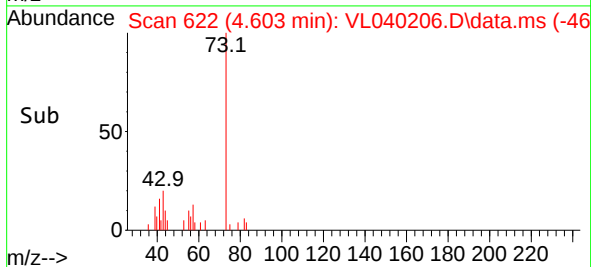
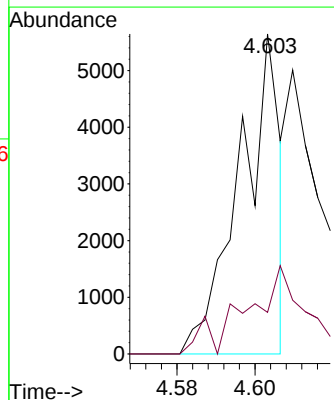
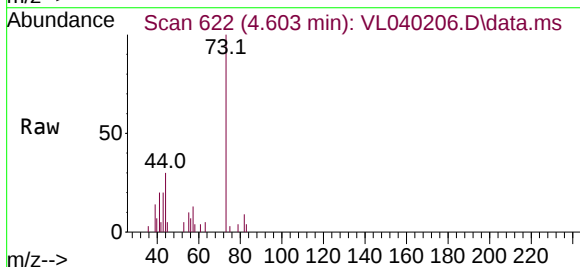
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

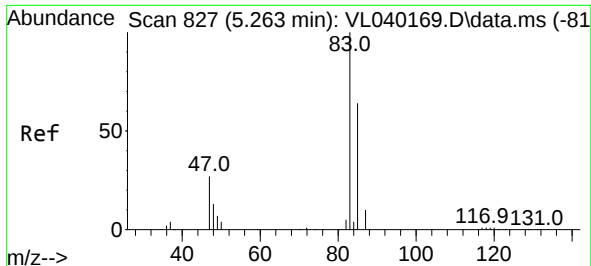
Tgt Ion: 76 Resp: 8841
Ion Ratio Lower Upper
76 100
44 24.6 15.3 22.9#
78 11.8 7.7 11.5#



#28
Methyl tert-Butyl Ether
Concen: 0.047 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.006 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 73 Resp: 4036
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#





#29

Chloroform

Concen: 0.101 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

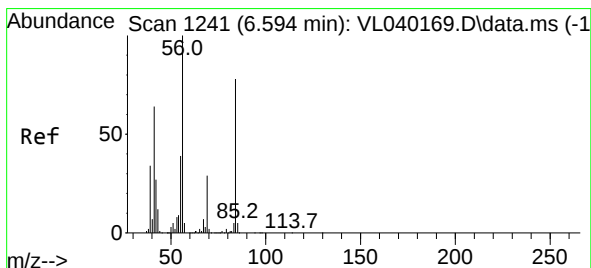
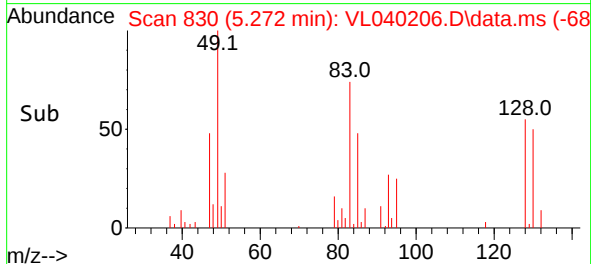
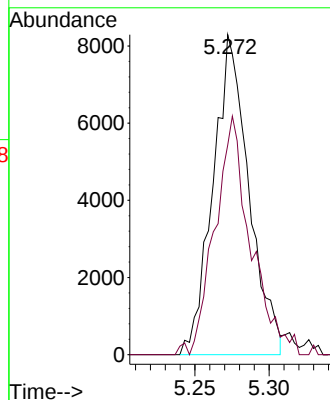
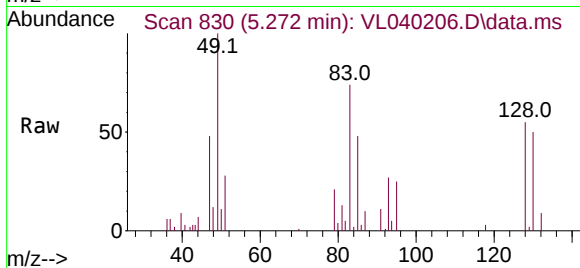
LOQ-AIR-02-QT1-2023

Tgt Ion: 83 Resp: 13924

Ion Ratio Lower Upper

83 100

85 62.9 51.5 77.3



#30

Cyclohexane

Concen: 0.046 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

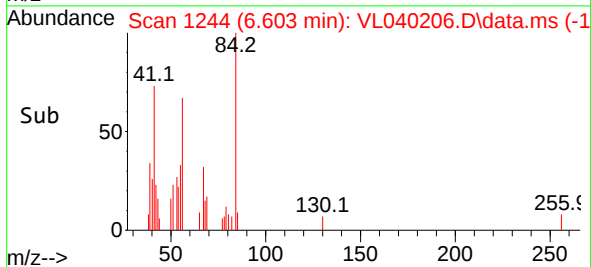
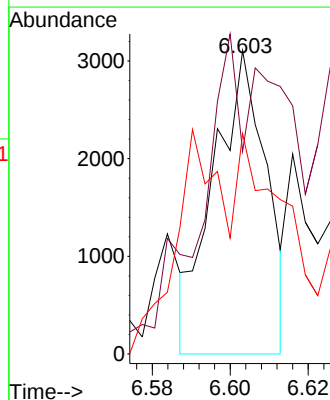
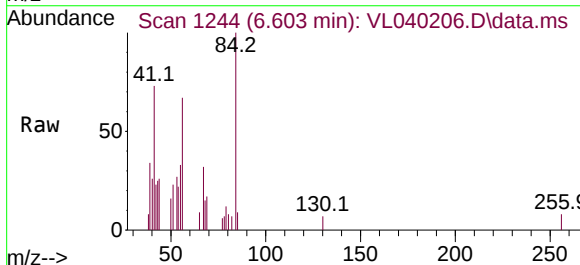
Tgt Ion: 84 Resp: 2889

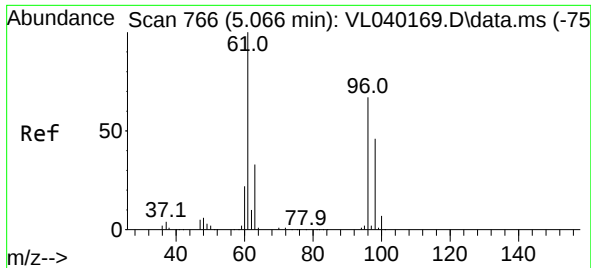
Ion Ratio Lower Upper

84 100

56 0.0 109.9 164.9#

41 0.0 67.8 101.6#

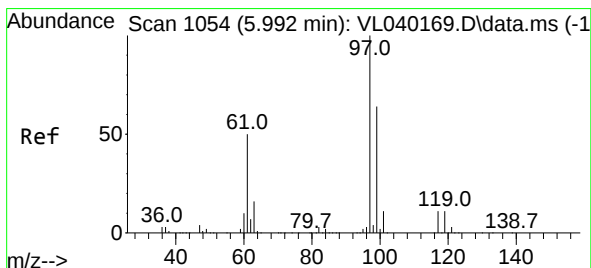
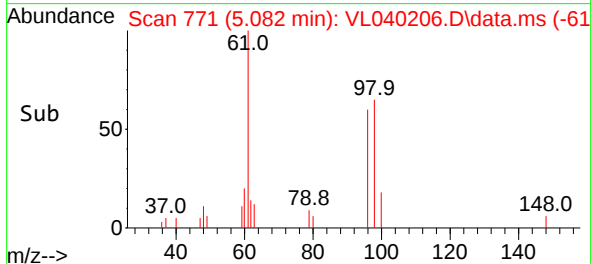
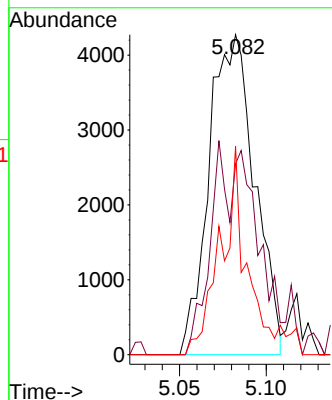
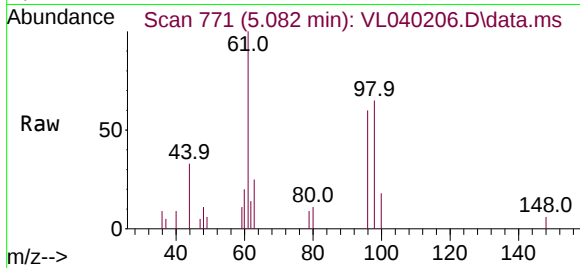




#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 5.082 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

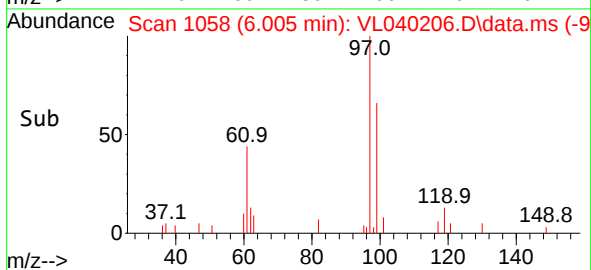
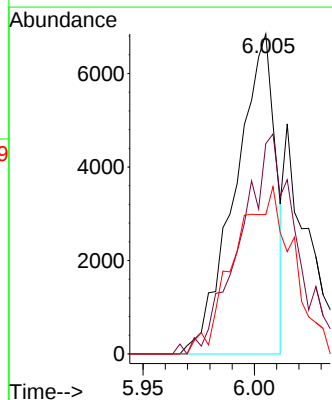
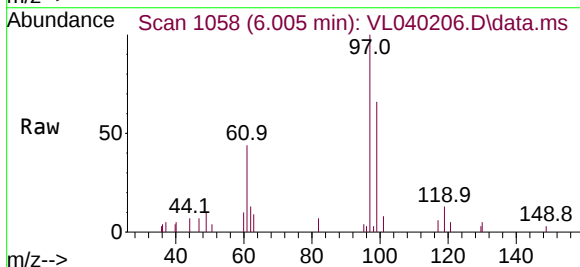
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

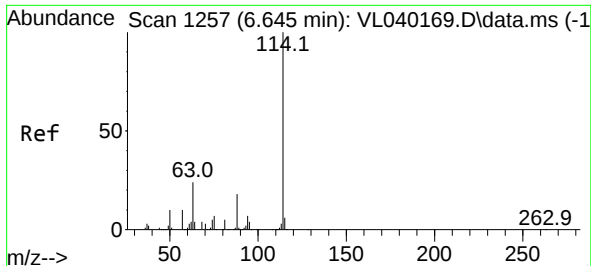
Tgt Ion: 61 Resp: 7837
 Ion Ratio Lower Upper
 61 100
 96 52.2 53.7 80.5#
 98 57.0 36.4 54.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.067 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.016 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

Tgt Ion: 97 Resp: 8602
 Ion Ratio Lower Upper
 97 100
 99 96.7 51.5 77.3#
 61 76.3 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: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

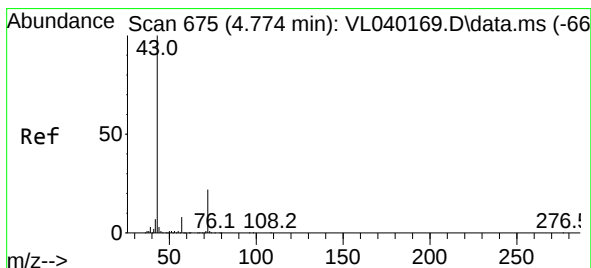
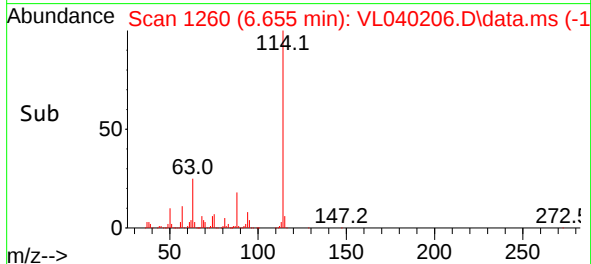
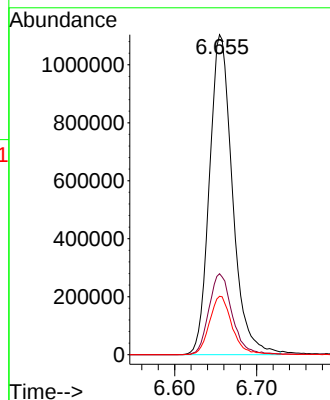
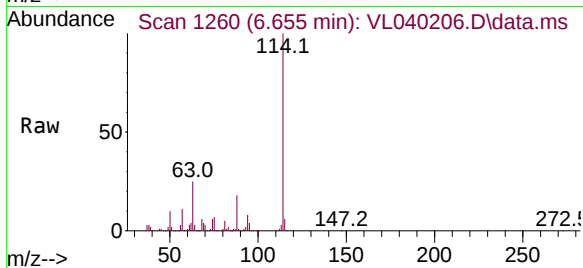
Tgt Ion:114 Resp: 2150406

Ion Ratio Lower Upper

114 100

63 26.0 20.4 30.6

88 18.2 14.3 21.5



#34

2-Butanone

Concen: 0.002 ppbv

RT: 4.758 min Scan# 670

Delta R.T. -0.039 min

Lab File: VL040206.D

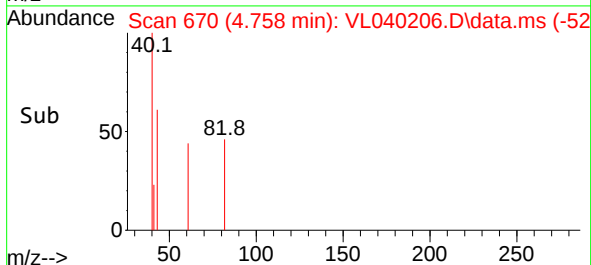
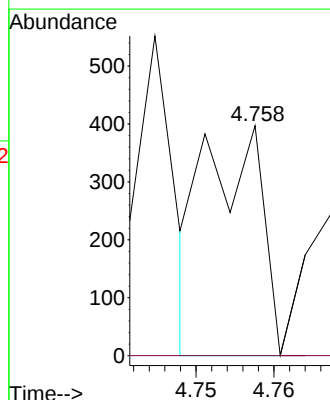
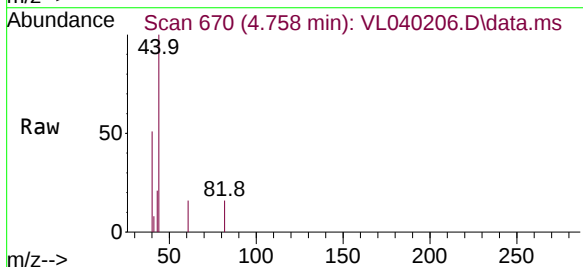
Acq: 21 Feb 2023 22:23

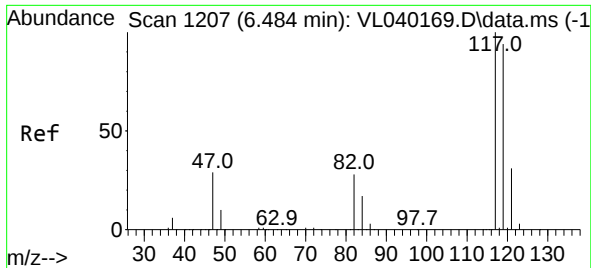
Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.8#

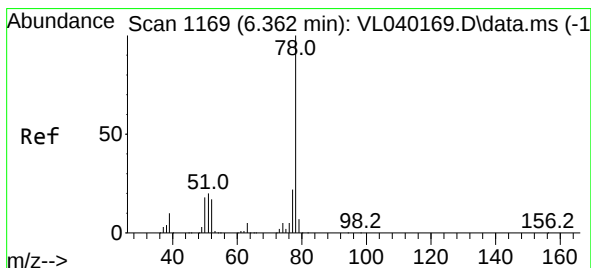
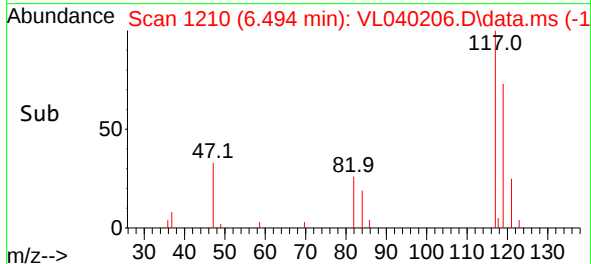
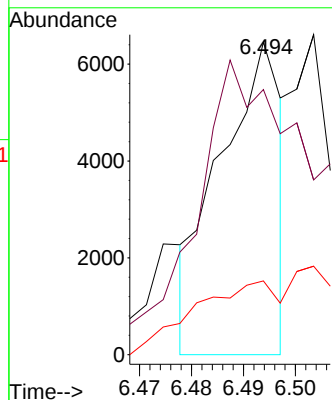
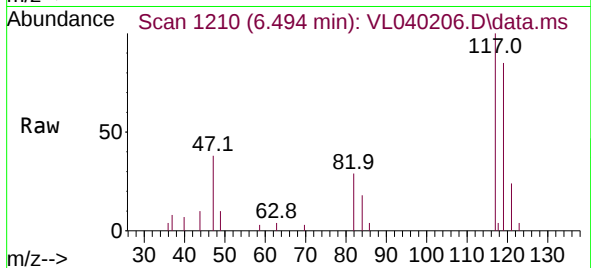




#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

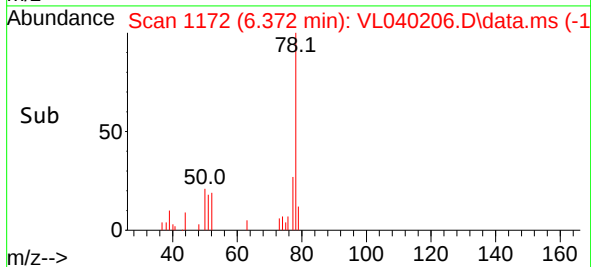
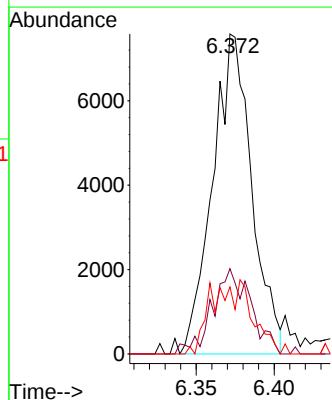
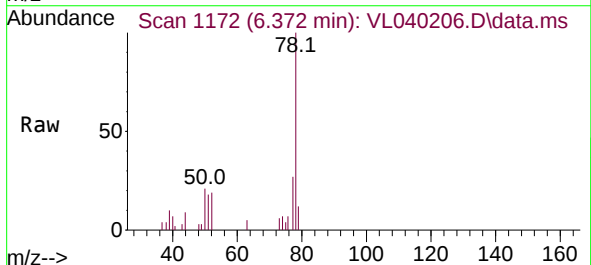
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

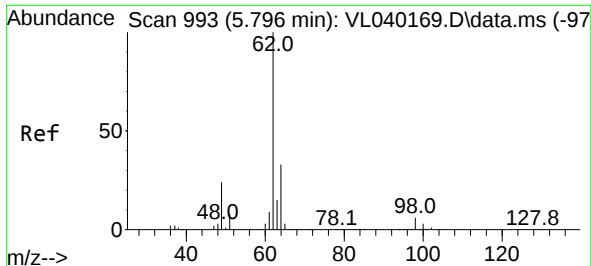
Tgt Ion:117 Resp: 5339
Ion Ratio Lower Upper
117 100
119 75.1 75.0 112.6
121 19.6 25.0 37.4#



#36
Benzene
Concen: 0.079 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 78 Resp: 13221
Ion Ratio Lower Upper
78 100
77 26.6 17.5 26.3#
50 21.0 14.6 22.0





#37

1,2-Dichloroethane

Concen: 0.064 ppbv

RT: 5.803 min Scan# 995

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

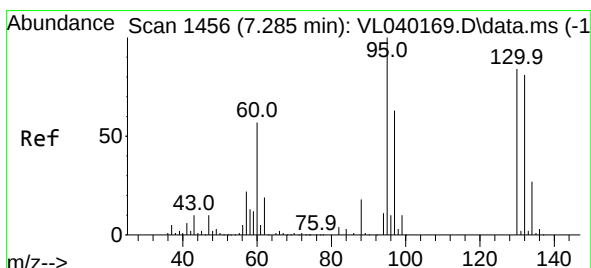
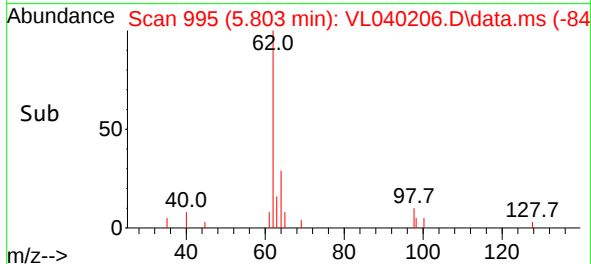
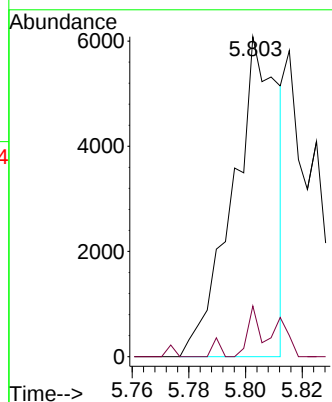
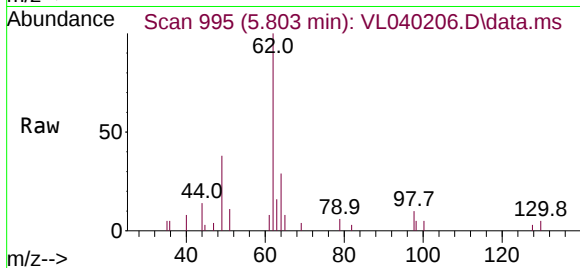
LOQ-AIR-02-QT1-2023

Tgt Ion: 62 Resp: 6732

Ion Ratio Lower Upper

62 100

98 9.9 4.7 7.1#



#38

Trichloroethene

Concen: 0.087 ppbv

RT: 7.294 min Scan# 1459

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion:130 Resp: 7984

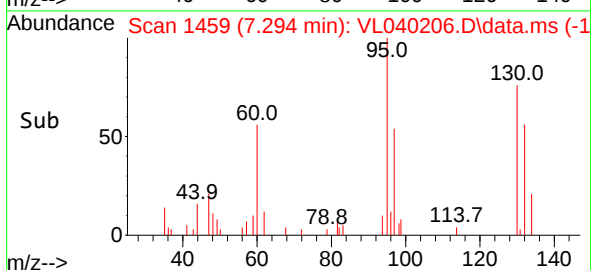
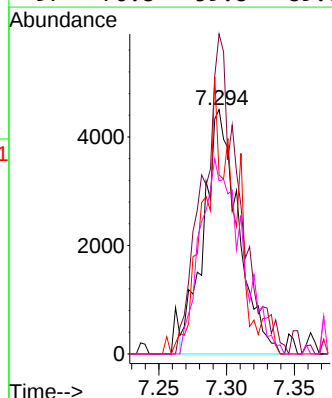
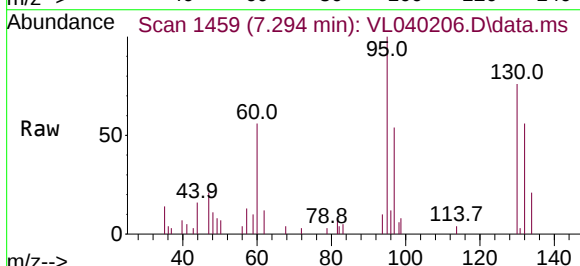
Ion Ratio Lower Upper

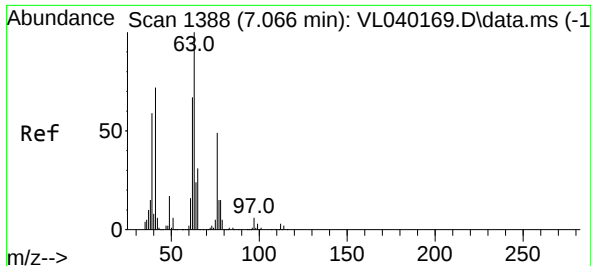
130 100

95 126.4 94.7 142.1

132 73.3 76.4 114.6#

97 70.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 8.409 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.441 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT1-2023

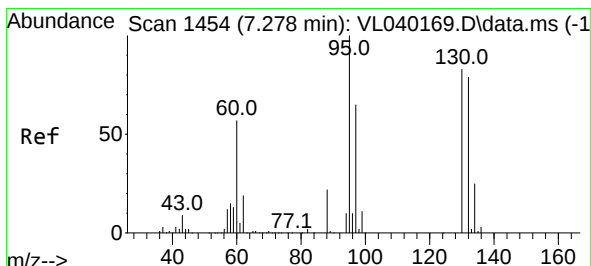
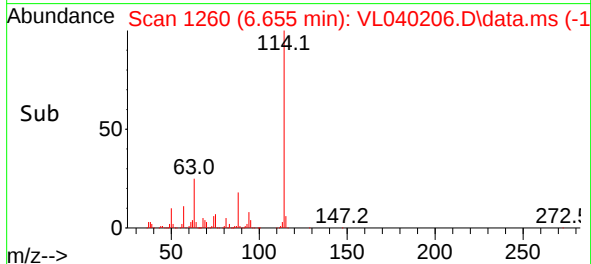
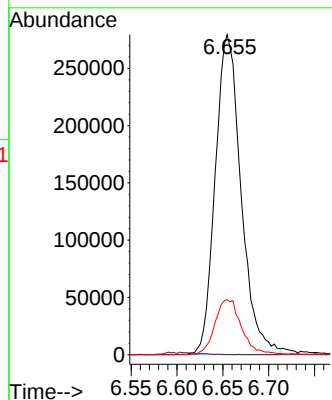
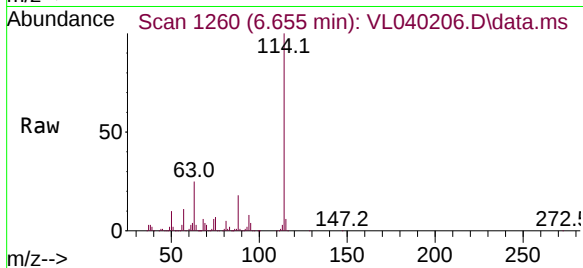
Tgt Ion: 63 Resp: 547403

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.2 54.0 81.0#



#40

1,4-Dioxane

Concen: 0.021 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. 0.022 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion: 88 Resp: 548

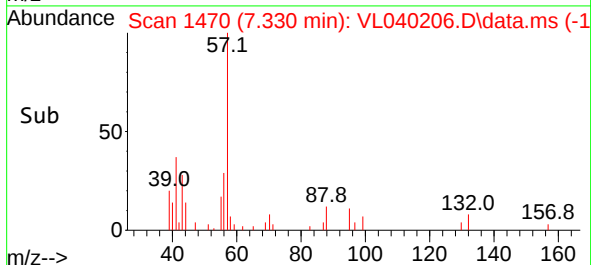
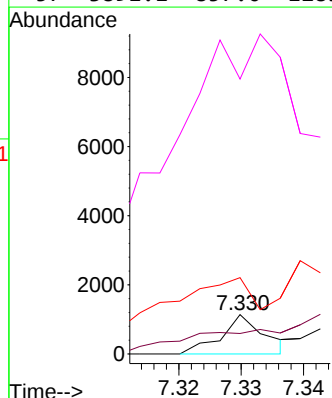
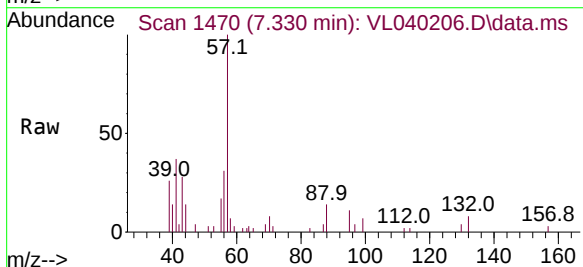
Ion Ratio Lower Upper

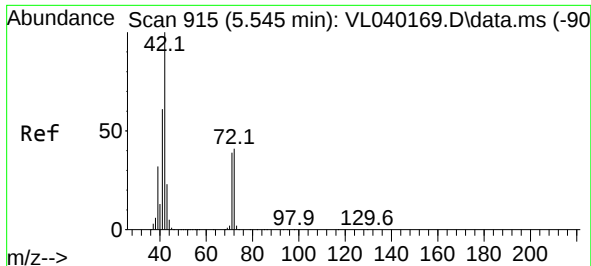
88 100

58 0.0 97.4 146.0#

43 0.0 193.5 290.3#

57 3891.1 857.0 1285.6#





#41

Tetrahydrofuran

Concen: 0.026 ppbv

RT: 5.590 min Scan# 915

Delta R.T. 0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

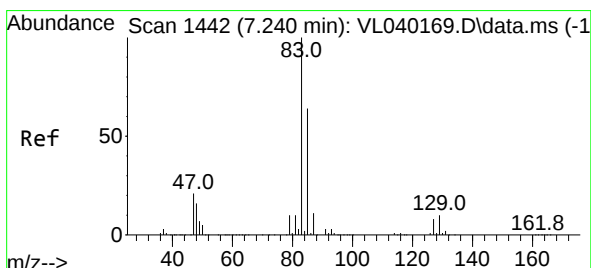
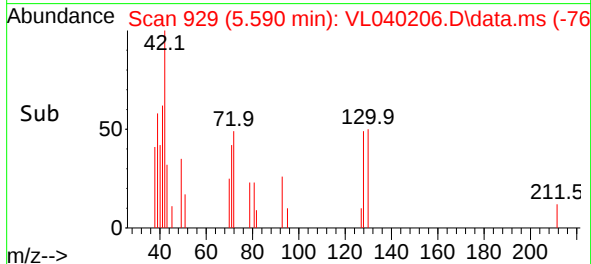
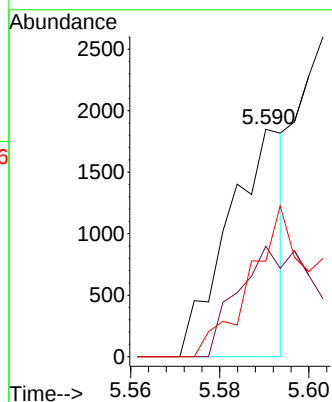
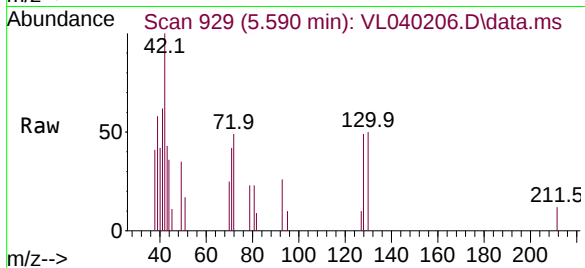
Tgt Ion: 42 Resp: 1602

Ion Ratio Lower Upper

42 100

72 0.0 33.0 49.4#

71 131.9 31.4 47.2#



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

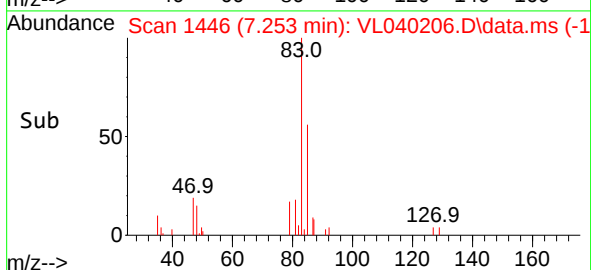
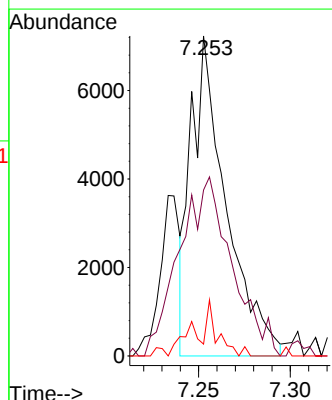
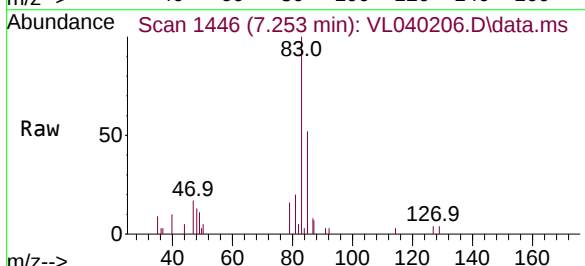
Tgt Ion: 83 Resp: 9629

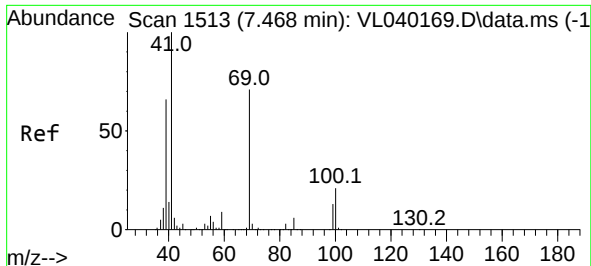
Ion Ratio Lower Upper

83 100

85 53.8 50.9 76.3

127 3.9 6.2 9.2#

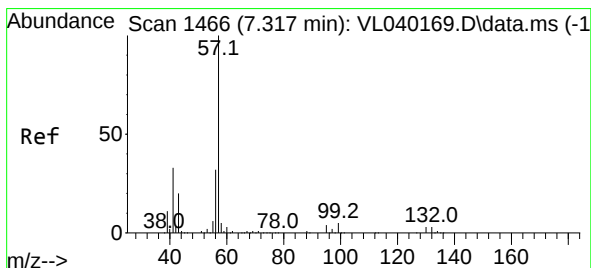
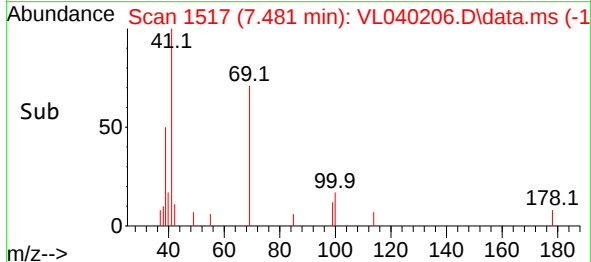
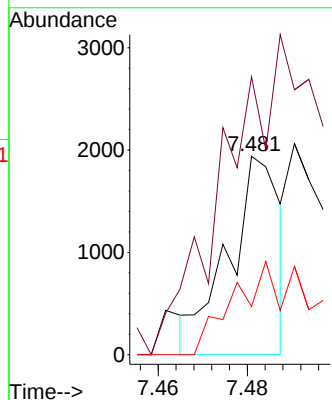
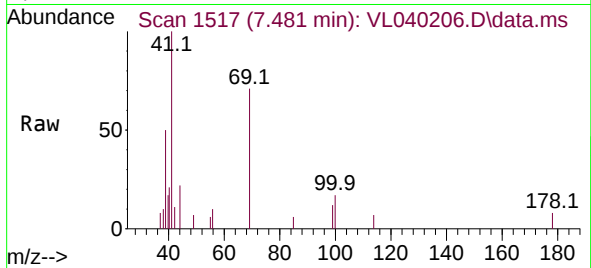




#43
Methyl Methacrylate
Concen: 0.025 ppbv
RT: 7.481 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

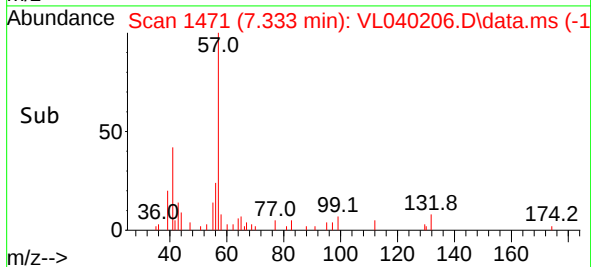
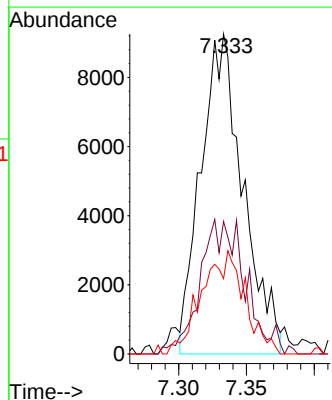
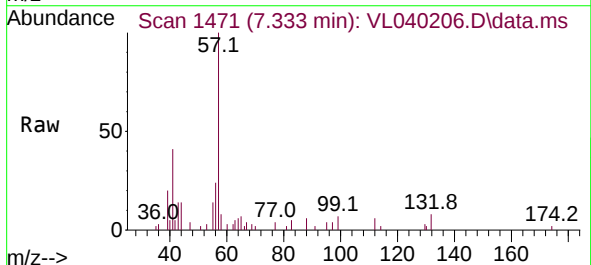
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

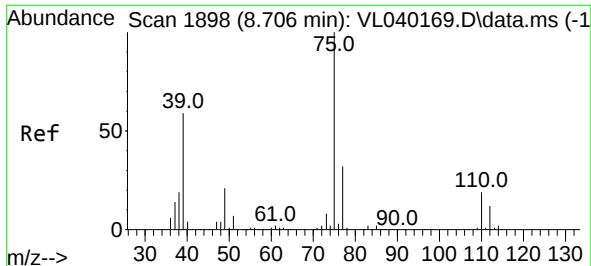
Tgt Ion: 69 Resp: 1543
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 25.6 38.4#



#44
2,2,4-Trimethylpentane
Concen: 0.072 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 57 Resp: 20055
Ion Ratio Lower Upper
57 100
41 44.7 26.2 39.4#
56 33.3 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.011 ppbv

RT: 8.712 min Scan# 1898

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

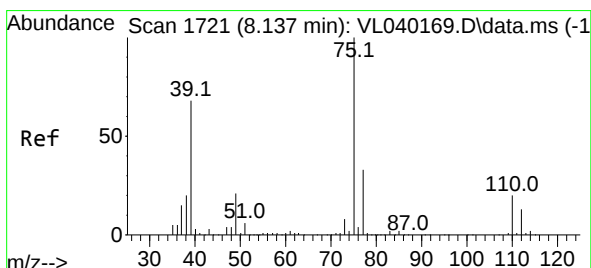
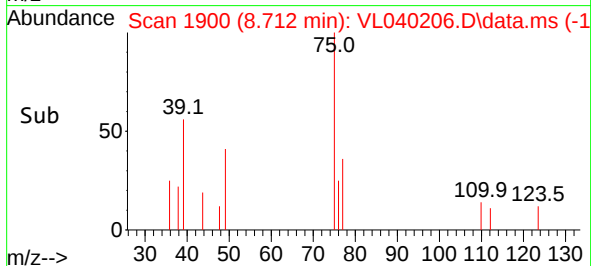
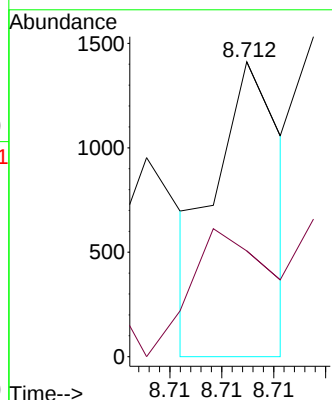
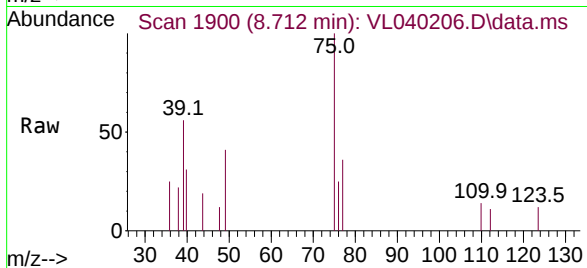
LOQ-AIR-02-QT1-2023

Tgt Ion: 75 Resp: 616

Ion Ratio Lower Upper

75 100

77 35.8 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 8.146 min Scan# 1724

Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

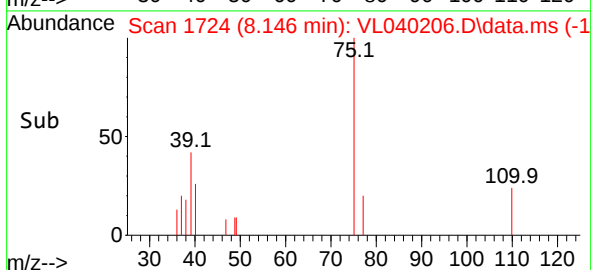
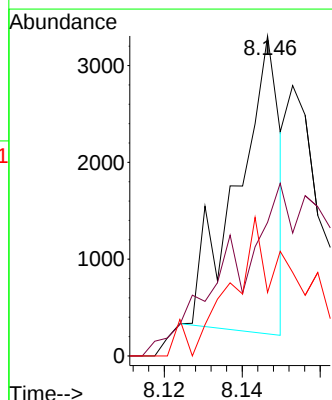
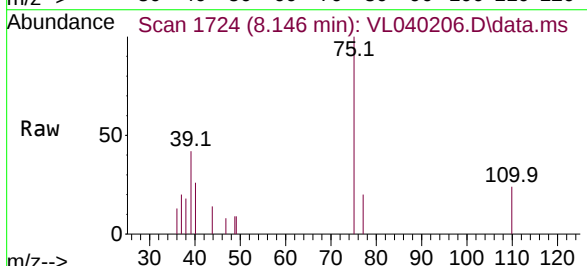
Tgt Ion: 75 Resp: 2316

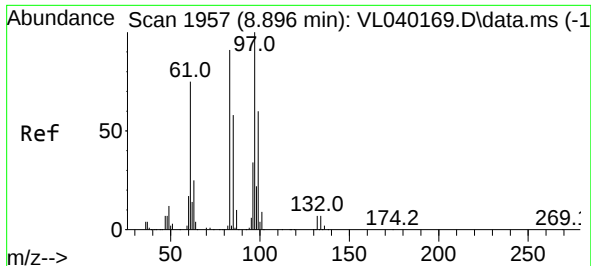
Ion Ratio Lower Upper

75 100

39 35.5 54.2 81.2#

77 9.4 26.0 39.0#

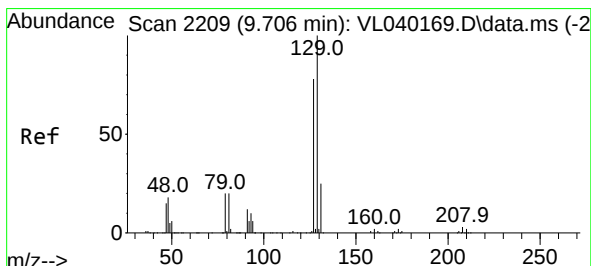
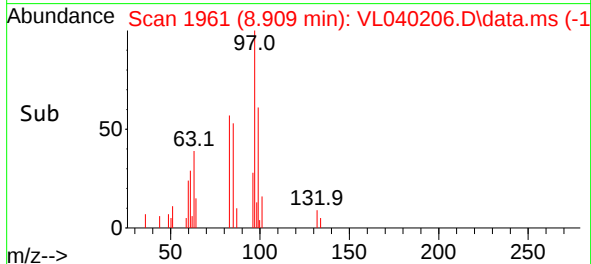
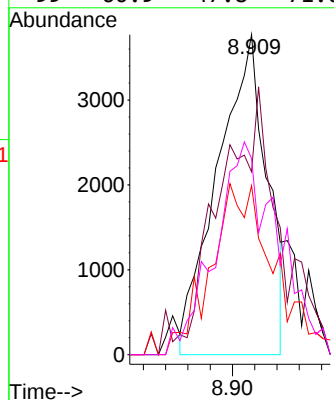
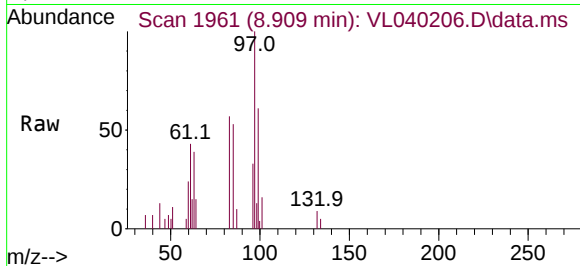




#47
1,1,2-Trichloroethane
Concen: 0.082 ppbv
RT: 8.909 min Scan# 1957
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

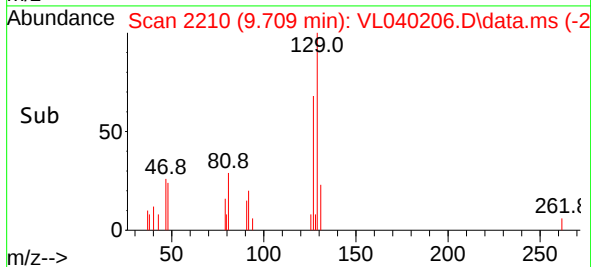
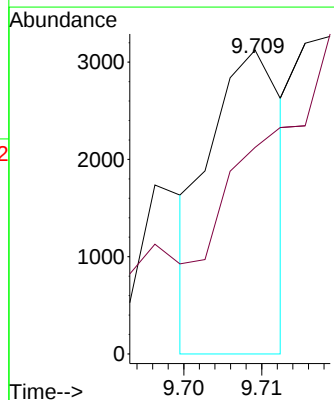
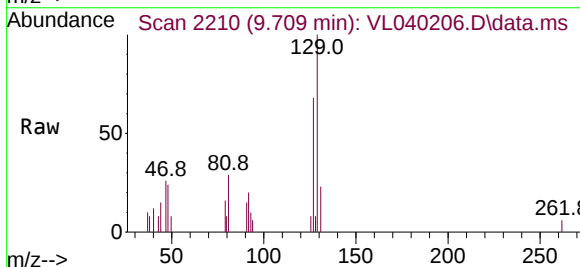
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT1-2023

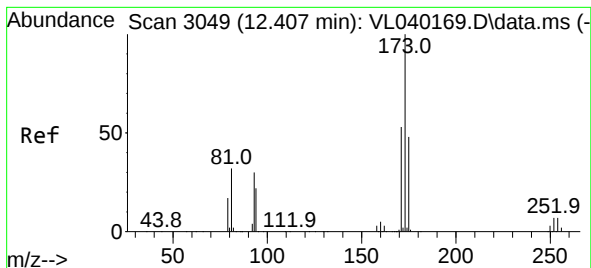
Tgt Ion: 97	Resp: 5786
Ion Ratio	Lower Upper
97 100	
83 54.4	72.8 109.2#
85 49.0	46.6 69.8
99 60.9	47.8 71.6



#48
Dibromochloromethane
Concen: 0.018 ppbv
RT: 9.709 min Scan# 2210
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:129	Resp:	2021	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.1	117.2#





#49

Bromoform

Concen: 0.025 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.032 min

Lab File: VL040206.D

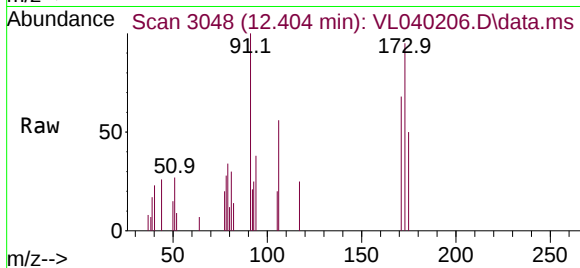
Acq: 21 Feb 2023 22:23

Instrument :

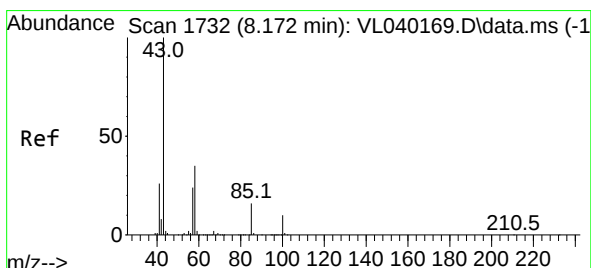
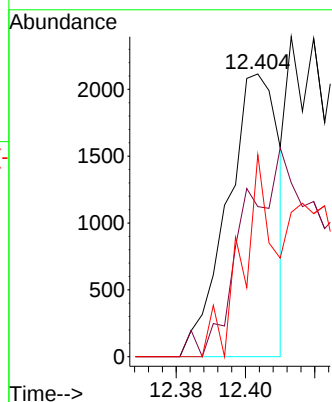
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:	173	Resp:	2178
Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.4	59.0#
171	110.1	41.8	62.6#



#50

4-Methyl-2-Pentanone

Concen: 0.017 ppbv

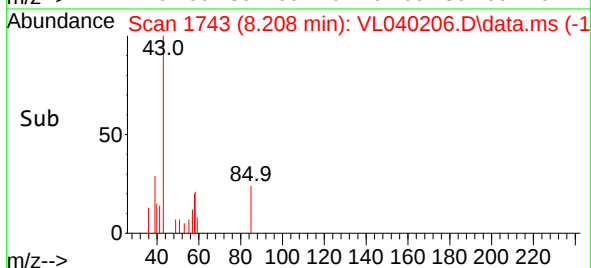
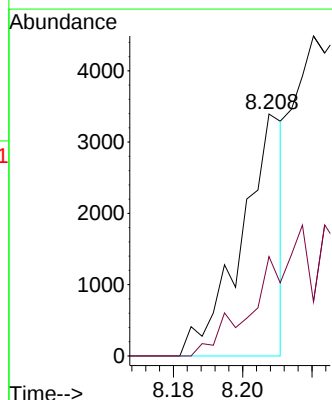
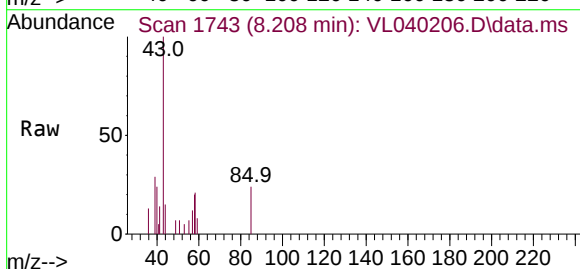
RT: 8.208 min Scan# 1743

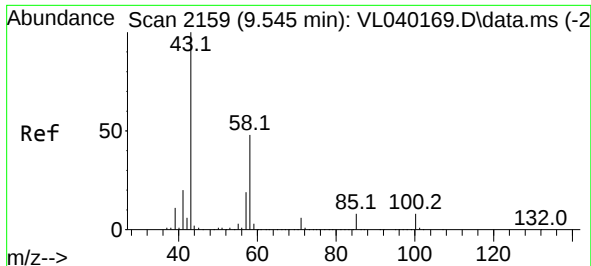
Delta R.T. 0.006 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion:	43	Resp:	2846
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.2	43.8#

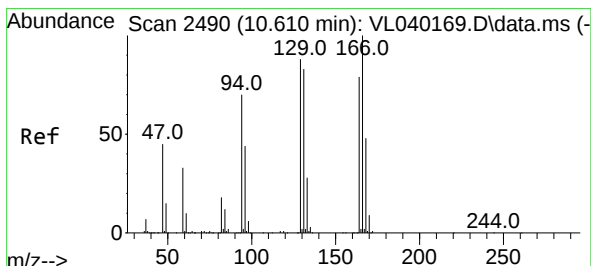
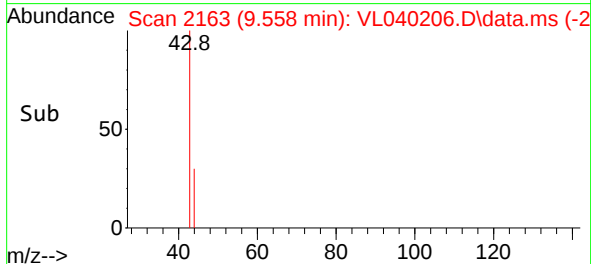
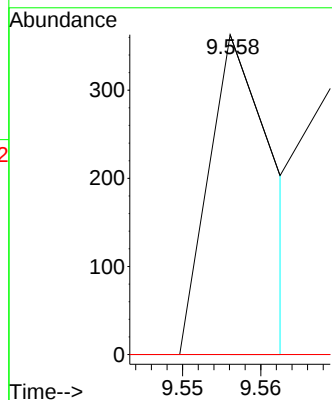
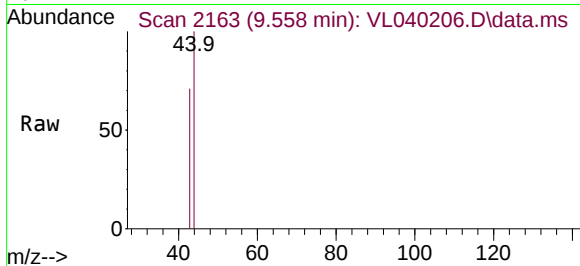




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 9.558 min Scan# 2159
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

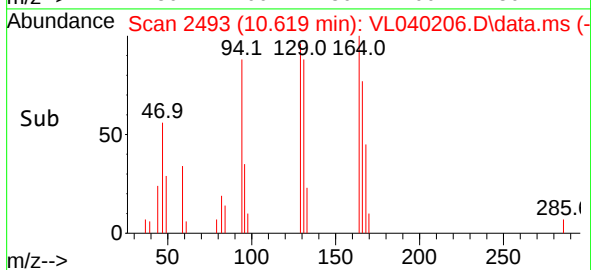
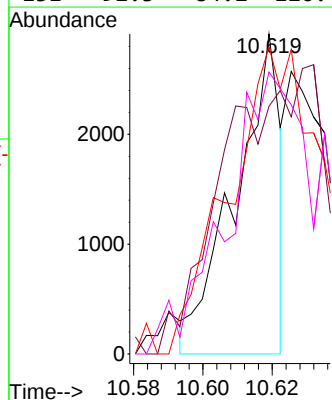
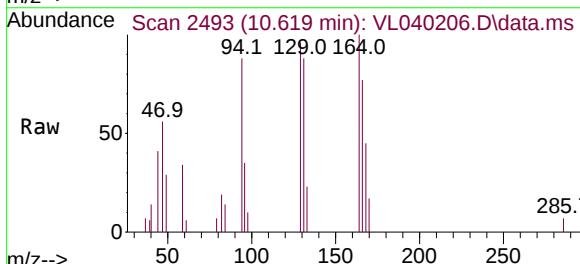
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

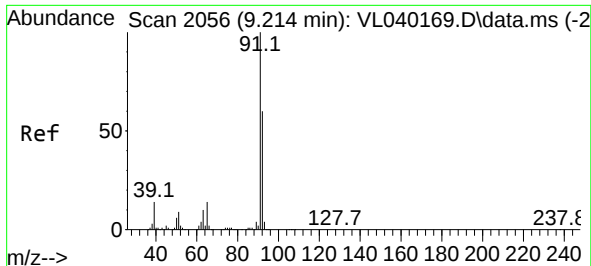
Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.050 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. -0.023 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 164 Resp: 2590
Ion Ratio Lower Upper
164 100
166 76.7 101.5 152.3#
129 93.3 89.0 133.4
131 92.3 84.2 126.4

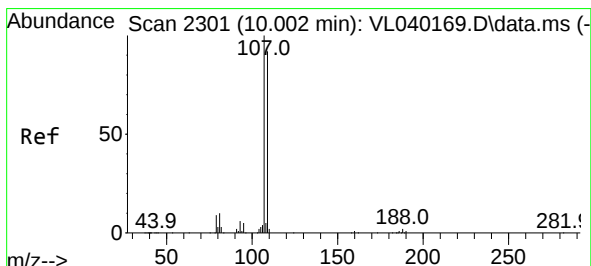
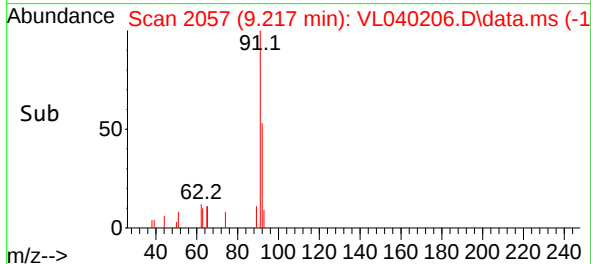
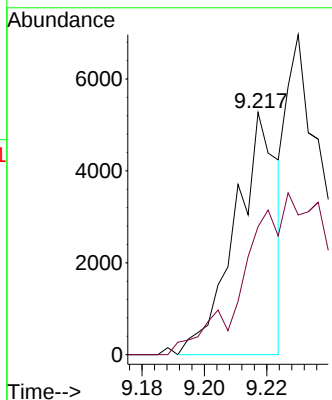
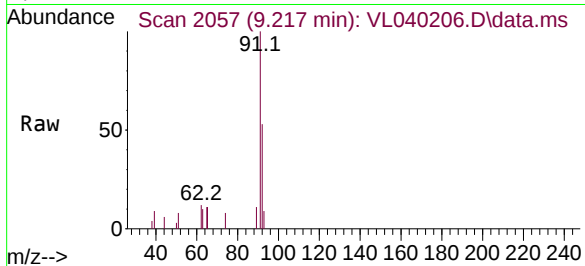




#53
Toluene
Concen: 0.027 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

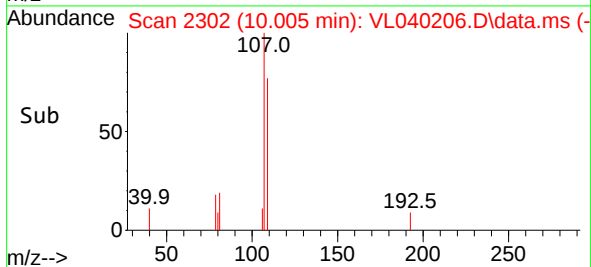
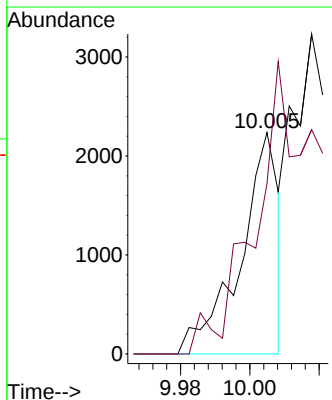
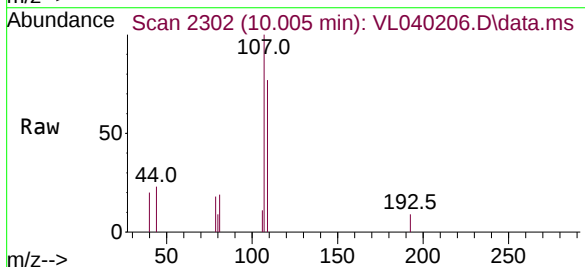
Instrument : MSVOA_1
ClientSampleId : LOQ-AIR-02-QT1-2023

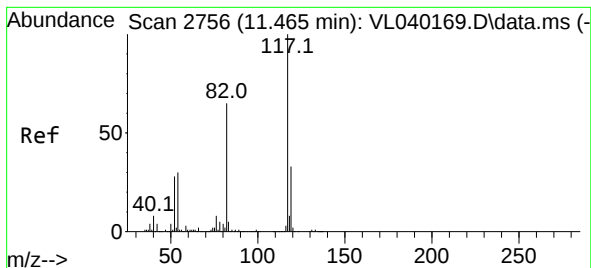
Tgt Ion: 91 Resp: 4925
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3#



#54
1,2-Dibromoethane
Concen: 0.023 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. -0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 107 Resp: 1716
Ion Ratio Lower Upper
107 100
109 77.1 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

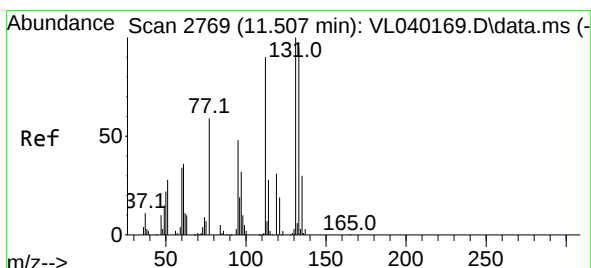
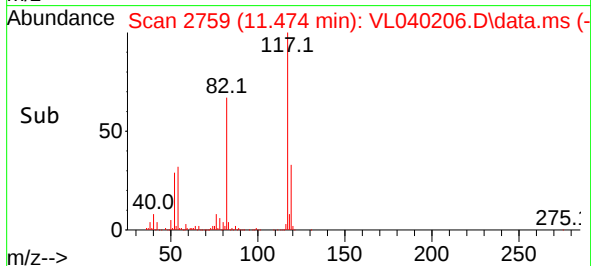
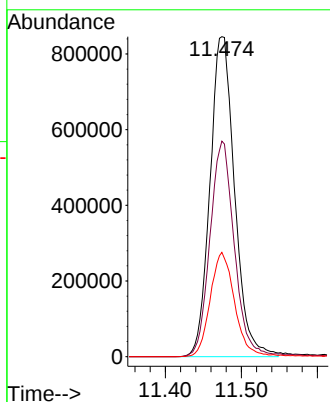
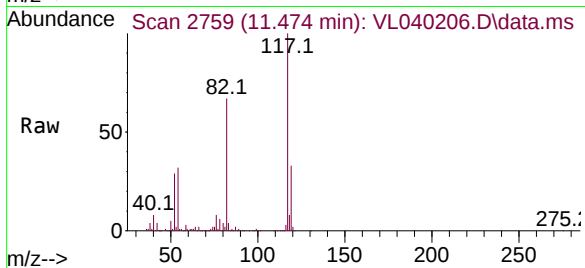
Tgt Ion:117 Resp: 1903032

Ion Ratio Lower Upper

117 100

82 67.2 53.3 79.9

119 32.5 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.023 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

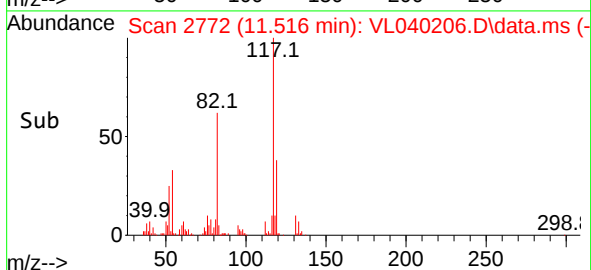
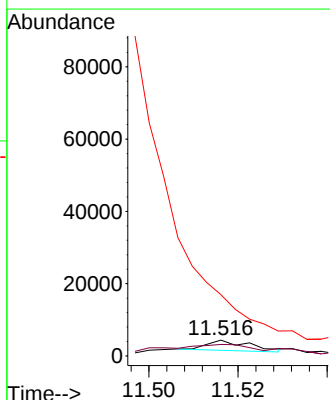
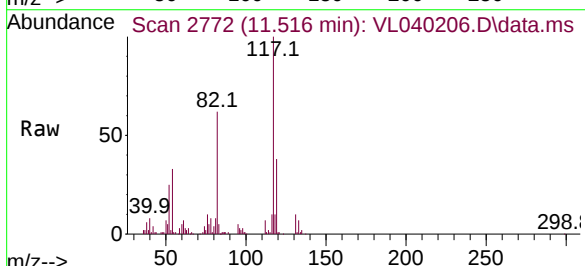
Tgt Ion:131 Resp: 1842

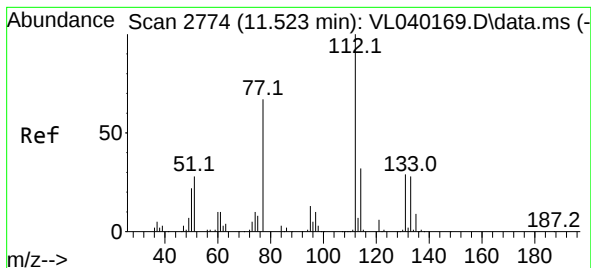
Ion Ratio Lower Upper

131 100

133 372.6 76.2 114.2#

119 0.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.050 ppbv

RT: 11.542 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

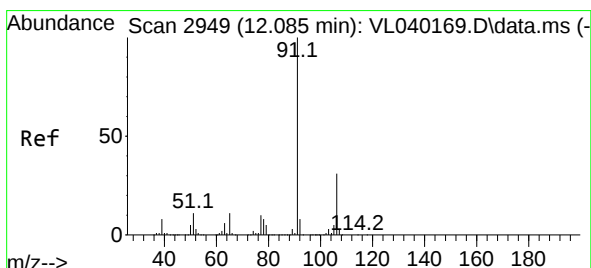
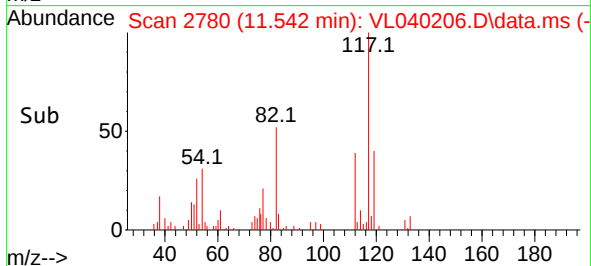
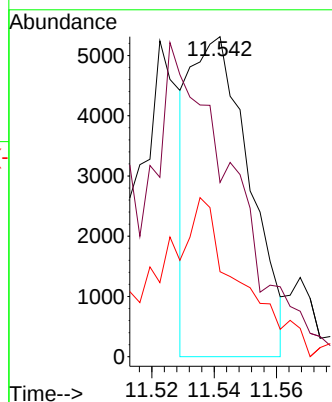
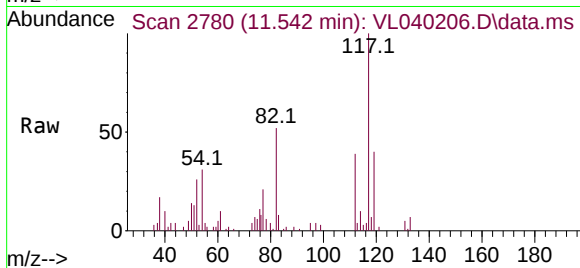
Tgt Ion:112 Resp: 7016

Ion Ratio Lower Upper

112 100

77 36.0 55.0 82.4#

114 19.9 29.0 35.4#



#58

Ethyl Benzene

Concen: 0.030 ppbv

RT: 12.092 min Scan# 2951

Delta R.T. -0.026 min

Lab File: VL040206.D

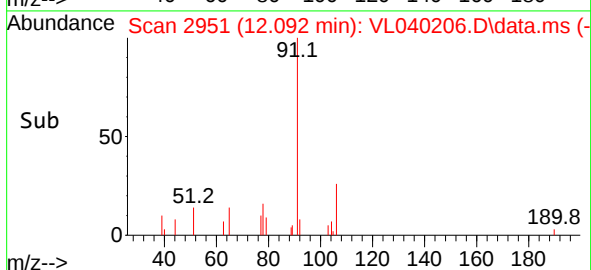
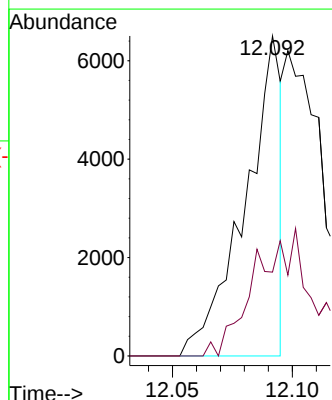
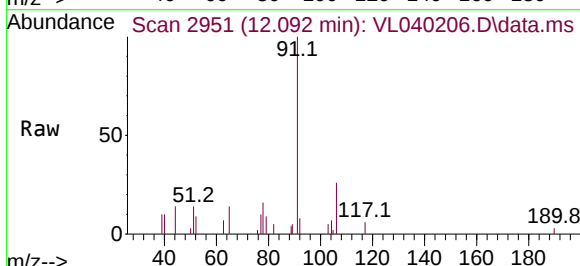
Acq: 21 Feb 2023 22:23

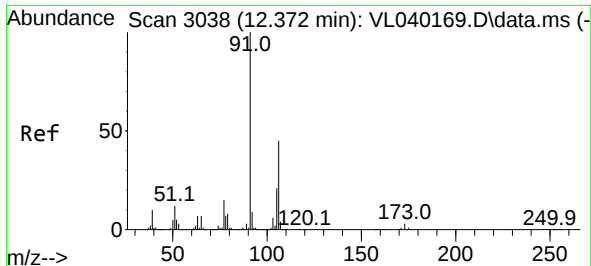
Tgt Ion: 91 Resp: 6829

Ion Ratio Lower Upper

91 100

106 26.2 24.9 37.3





#59

m/p-Xylene

Concen: 0.010 ppbv

RT: 12.371 min Scan# 3038

Delta R.T. -0.026 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_1

ClientSampleId :

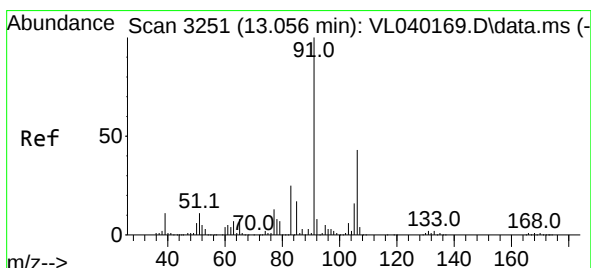
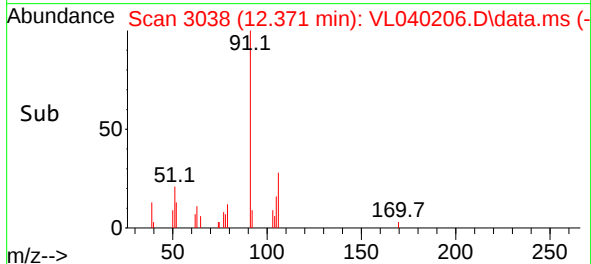
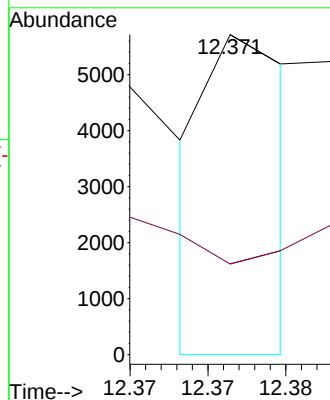
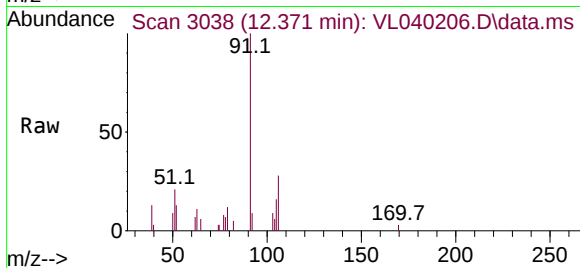
LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 2104

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#



#60

o-Xylene

Concen: 0.037 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.023 min

Lab File: VL040206.D

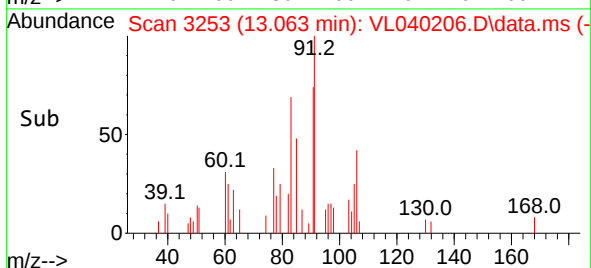
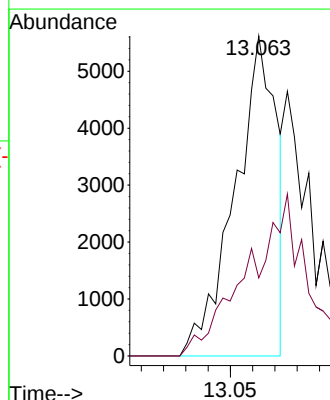
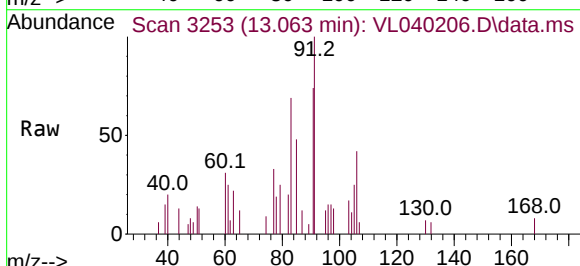
Acq: 21 Feb 2023 22:23

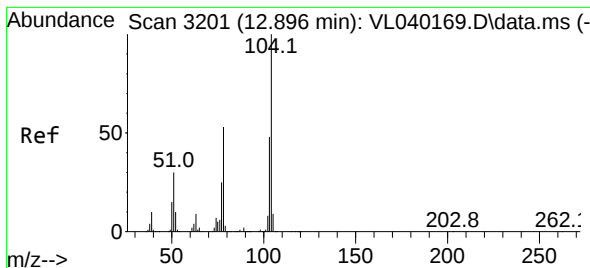
Tgt Ion: 91 Resp: 7300

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.018 ppbv

RT: 12.905 min Scan# 31

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

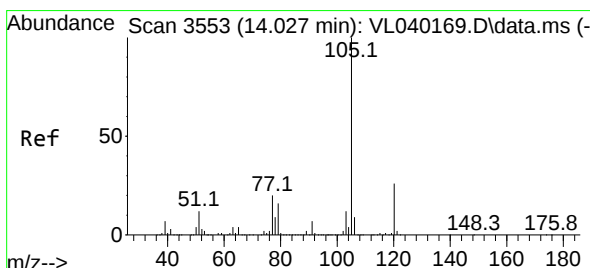
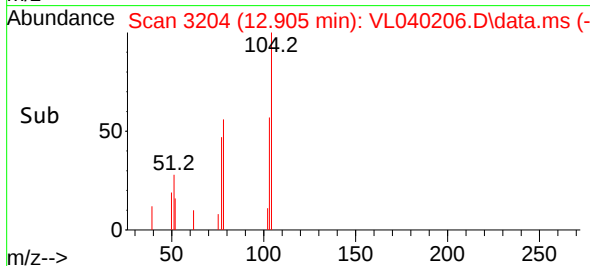
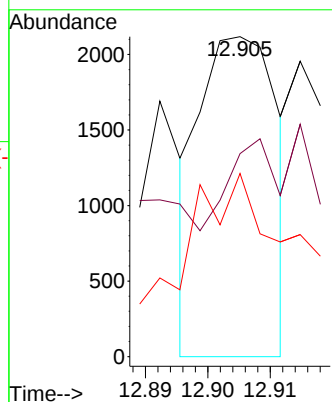
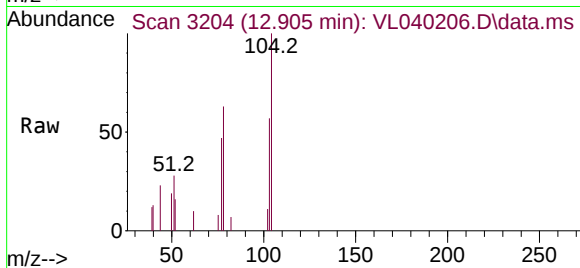
Tgt Ion:104 Resp: 1825

Ion Ratio Lower Upper

104 100

78 0.0 42.3 63.5#

103 114.0 37.5 56.3#



#62

Isopropylbenzene

Concen: 0.028 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.029 min

Lab File: VL040206.D

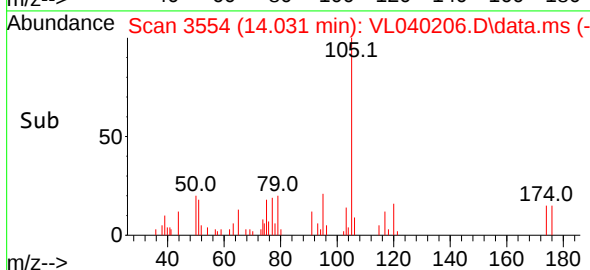
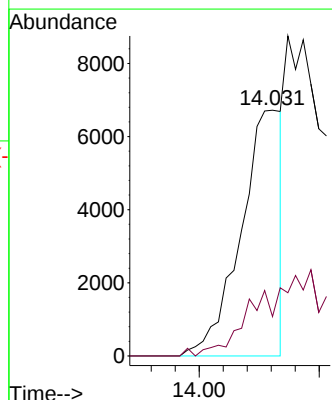
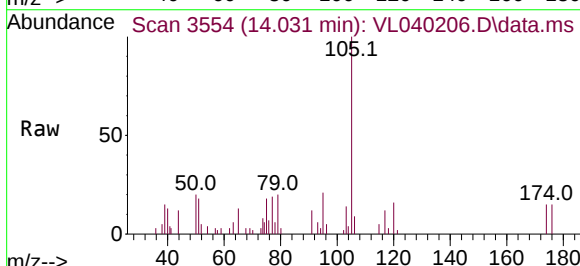
Acq: 21 Feb 2023 22:23

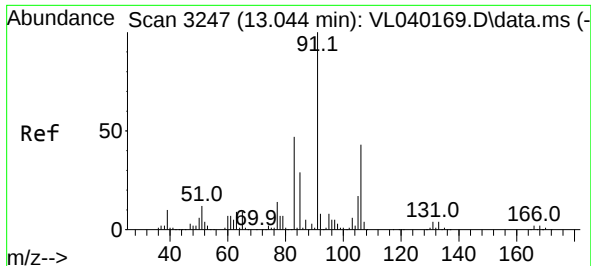
Tgt Ion:105 Resp: 7965

Ion Ratio Lower Upper

105 100

120 0.0 20.3 30.5#

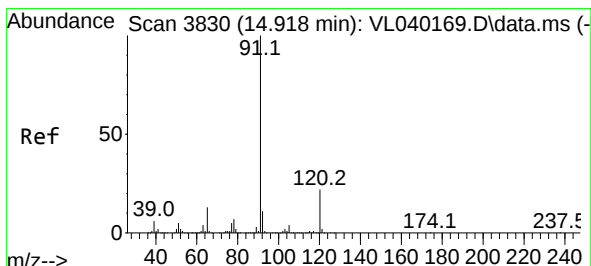
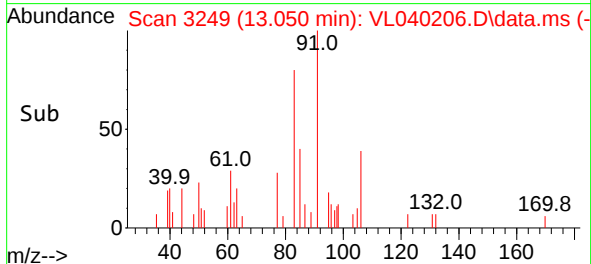
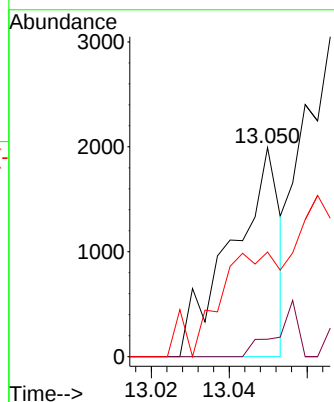
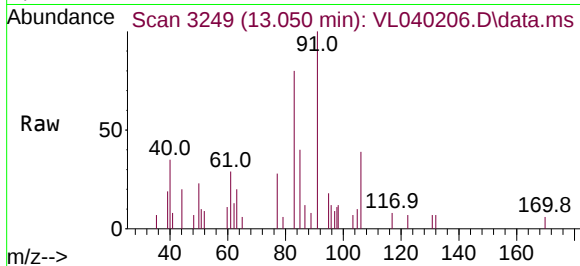




#63
1,1,2,2-Tetrachloroethane
Concen: 0.024 ppbv
RT: 13.050 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

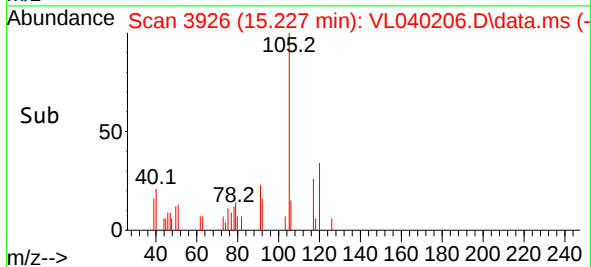
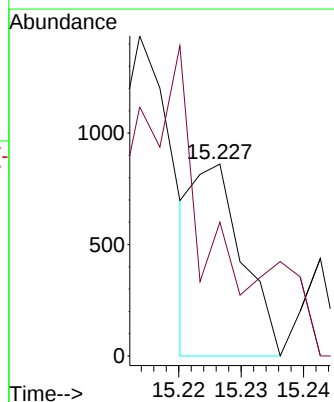
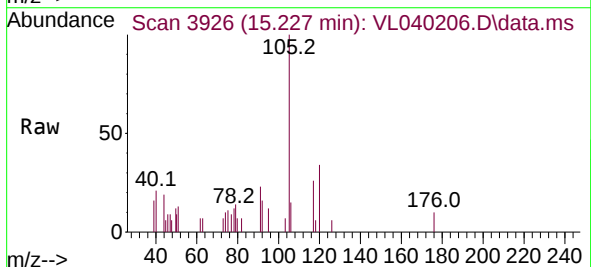
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

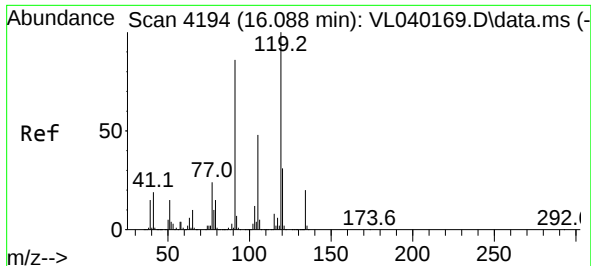
Tgt Ion: 83 Resp: 1702
Ion Ratio Lower Upper
83 100
131 25.0 4.4 13.2#
85 0.0 33.0 99.0#



#64
n-propylbenzene
Concen: 0.007 ppbv
RT: 15.227 min Scan# 3926
Delta R.T. 0.276 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 120 Resp: 469
Ion Ratio Lower Upper
120 100
91 574.2 389.8 584.8

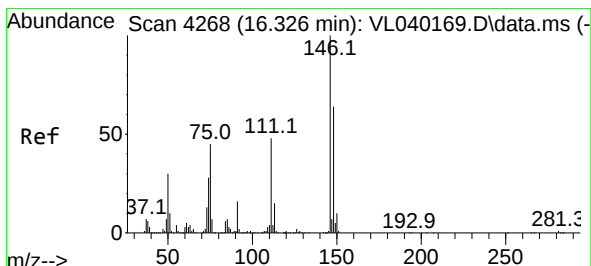
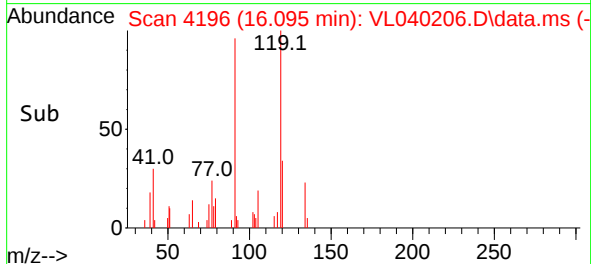
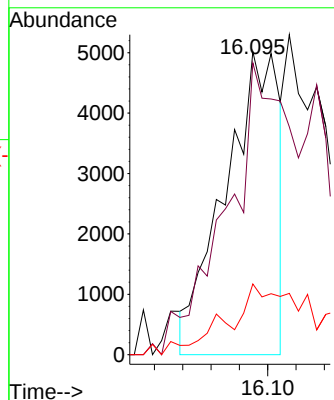
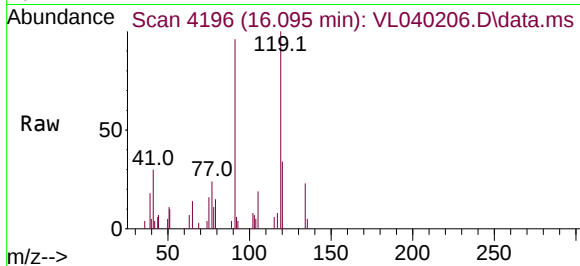




#65
tert-Butylbenzene
Concen: 0.027 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

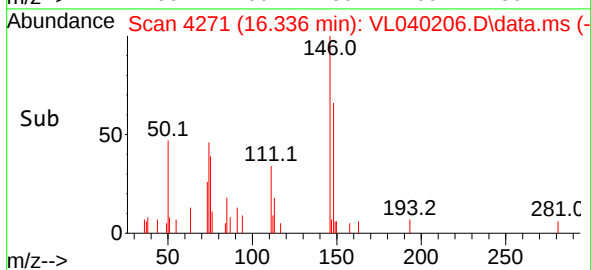
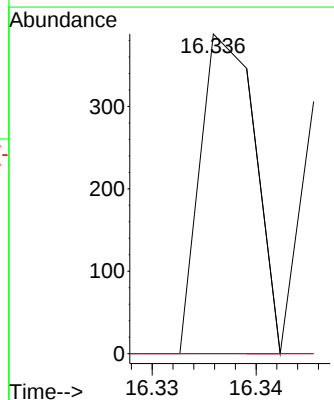
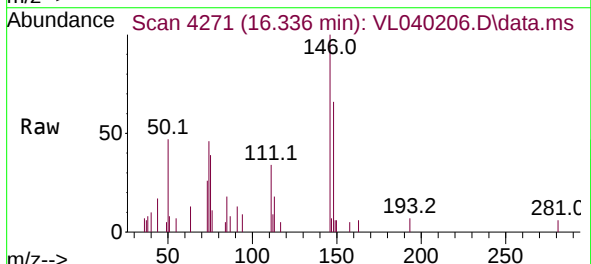
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

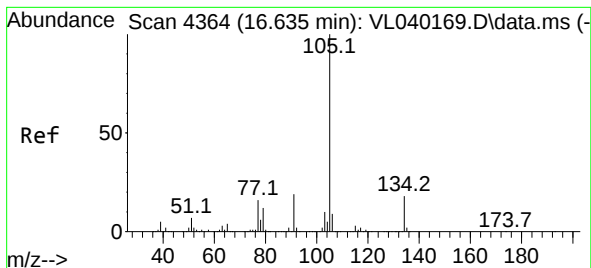
Tgt Ion:119 Resp: 6657
Ion Ratio Lower Upper
119 100
91 202.4 68.6 102.8#
134 41.5 15.9 23.9#



#66
Benzyl Chloride
Concen: 0.009 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.023 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 91 Resp: 142
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.017 ppbv

RT: 16.648 min Scan# 41

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_1

ClientSampleId :

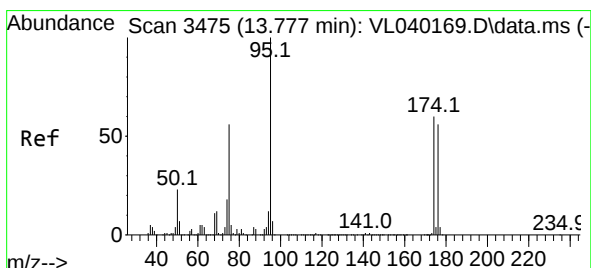
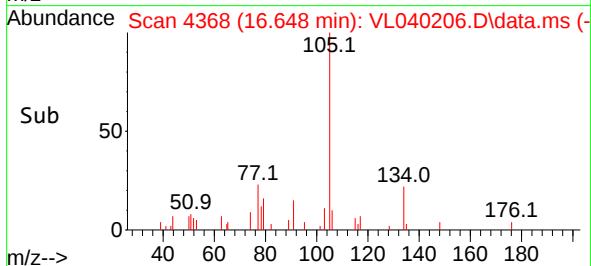
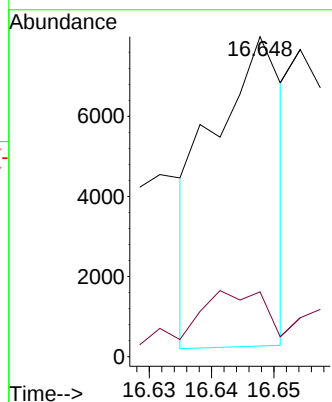
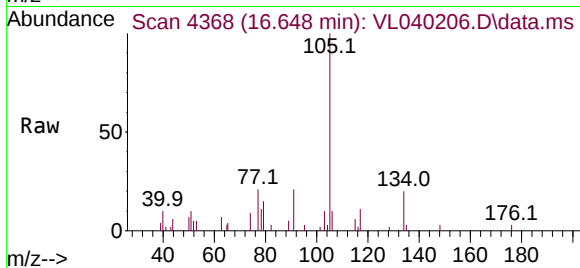
LOQ-AIR-02-QT1-2023

Tgt Ion:105 Resp: 6062

Ion Ratio Lower Upper

105 100

134 56.4 14.1 21.1#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.050 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

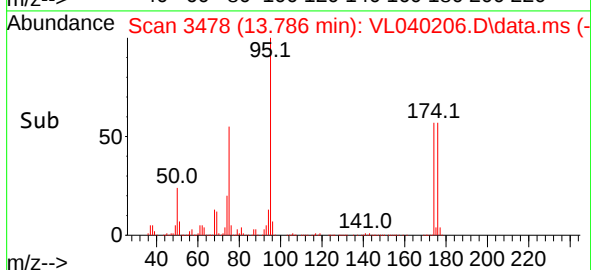
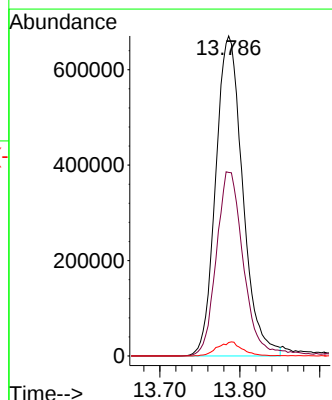
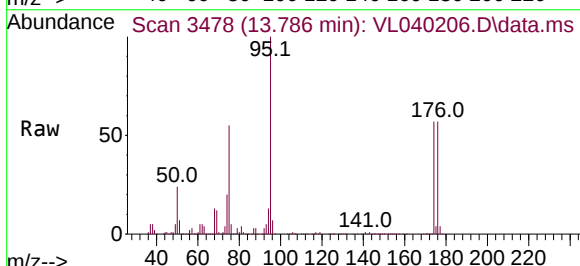
Tgt Ion: 95 Resp: 1572695

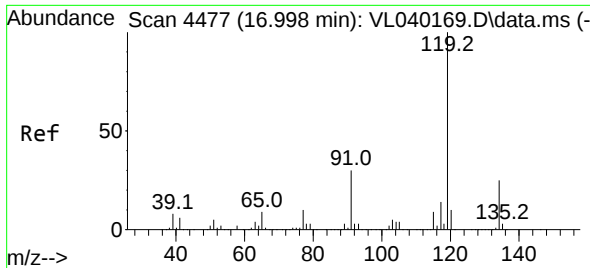
Ion Ratio Lower Upper

95 100

174 59.3 48.2 72.2

175 4.2 3.4 5.2

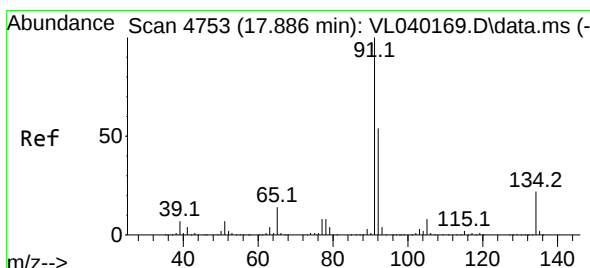
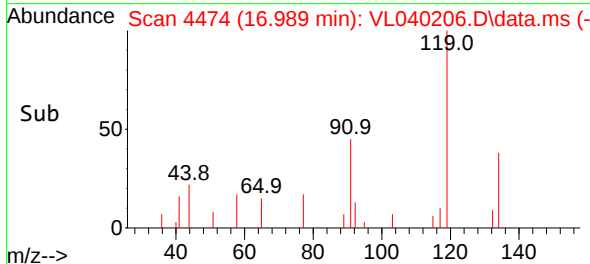
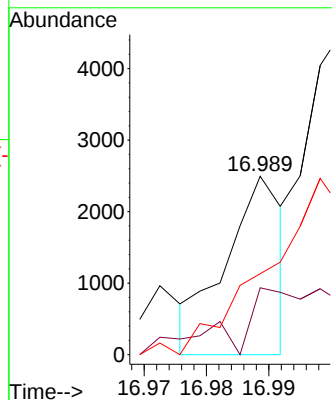
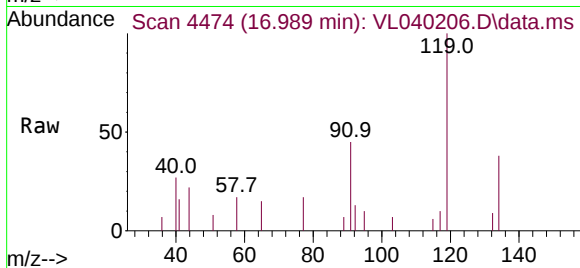




#69
p-Isopropyltoluene
Concen: 0.006 ppbv
RT: 16.989 min Scan# 4477
Delta R.T. -0.036 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

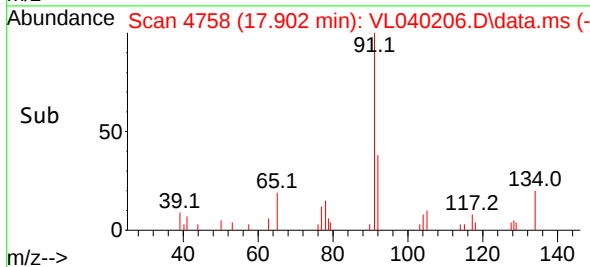
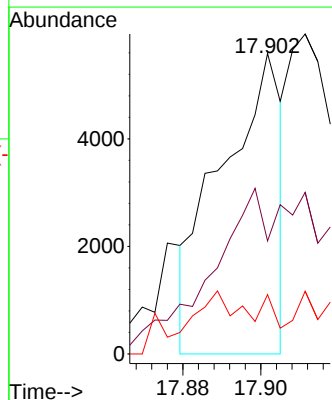
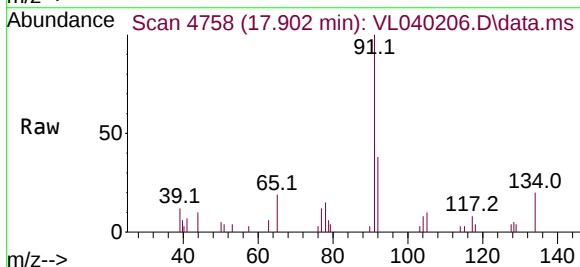
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

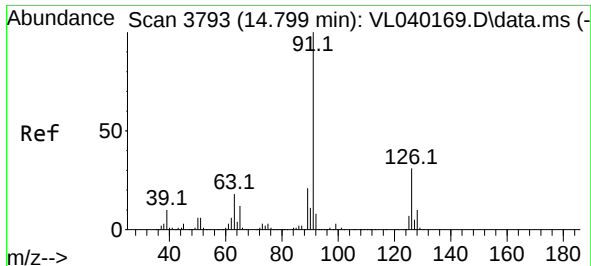
Tgt Ion:119 Resp: 1595
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 357.2 24.7 37.1#



#70
n-Butylbenzene
Concen: 0.020 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 91 Resp: 6022
Ion Ratio Lower Upper
91 100
92 142.3 43.0 64.6#
134 20.6 16.9 25.3

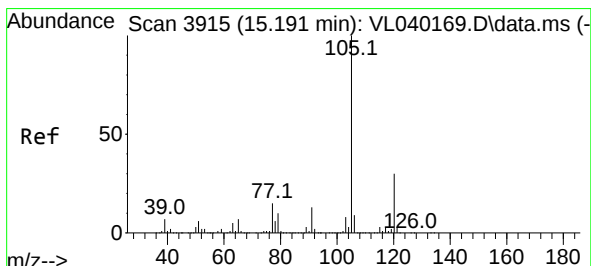
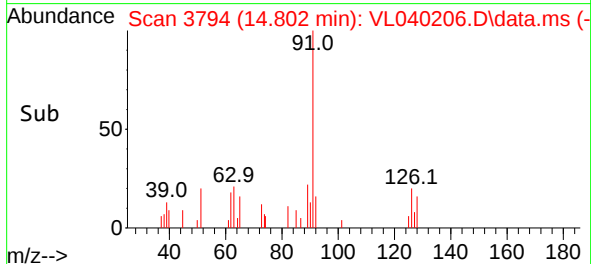
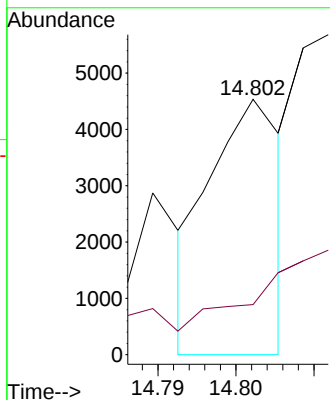
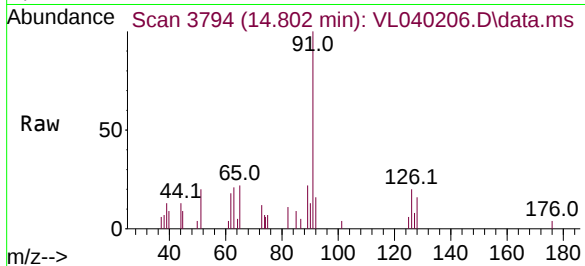




#71
2-Chlorotoluene
Concen: 0.013 ppbv
RT: 14.802 min Scan# 31
Delta R.T. -0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

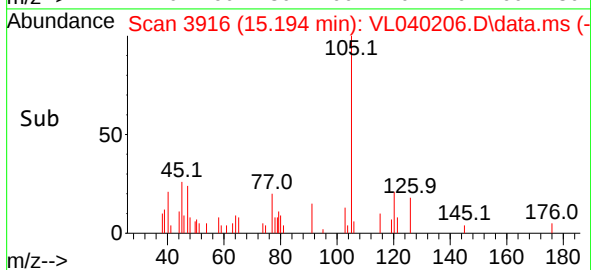
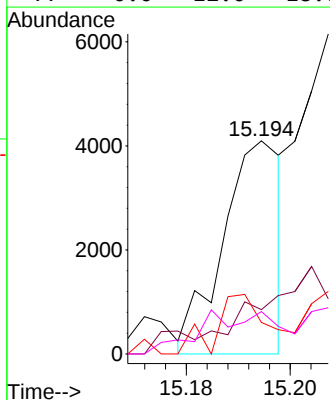
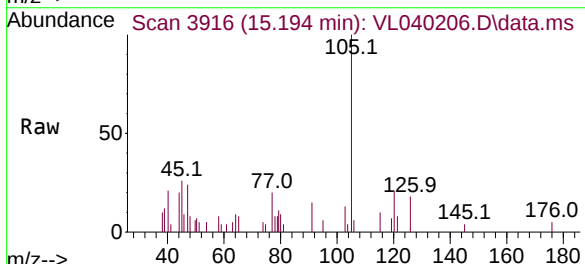
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

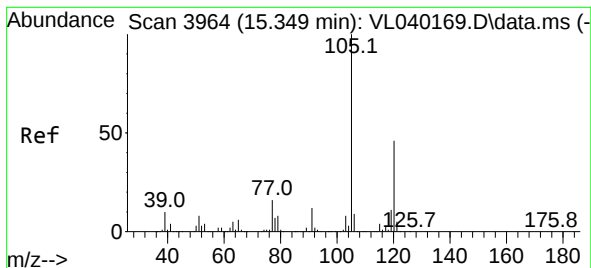
Tgt Ion: 91 Resp: 2917
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.015 ppbv
RT: 15.194 min Scan# 3916
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:105 Resp: 3200
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 11.3 16.9#
77 0.0 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.015 ppbv

RT: 15.358 min Scan# 3964

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

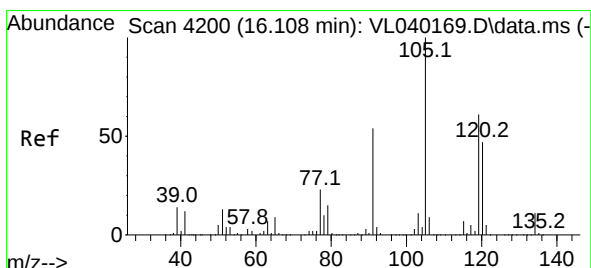
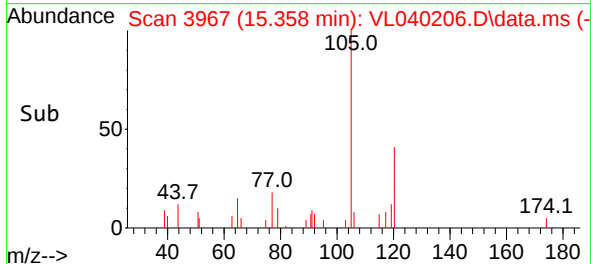
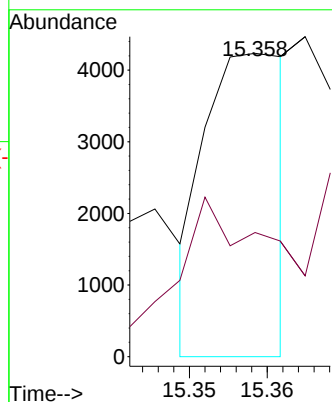
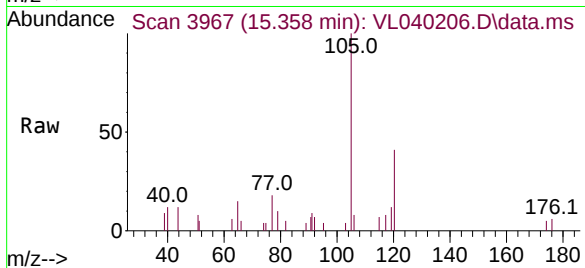
LOQ-AIR-02-QT1-2023

Tgt Ion:105 Resp: 3051

Ion Ratio Lower Upper

105 100

120 25.1 36.8 55.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.003 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion:105 Resp: 624

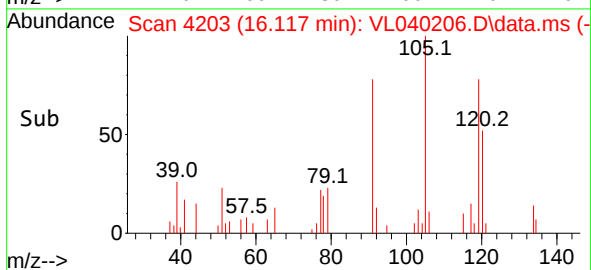
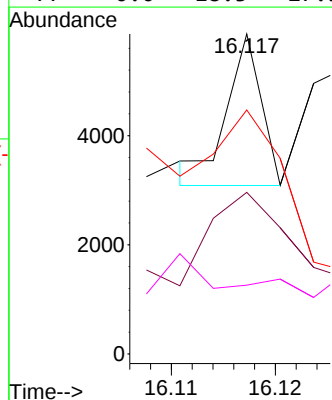
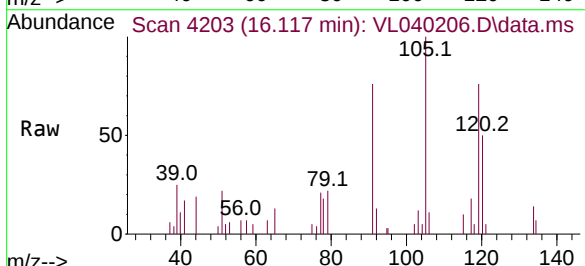
Ion Ratio Lower Upper

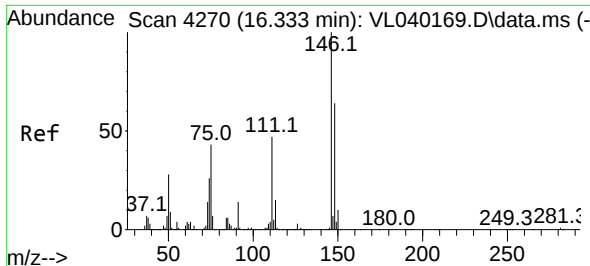
105 100

120 61.6 37.9 56.9#

91 43.7 43.7 65.5

77 0.0 18.3 27.5#

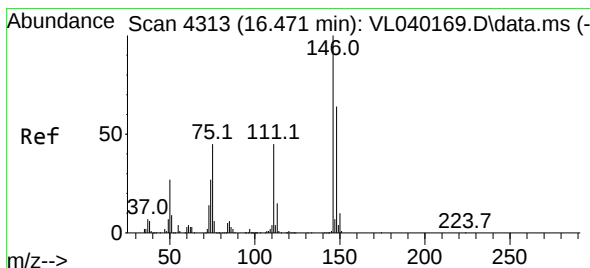
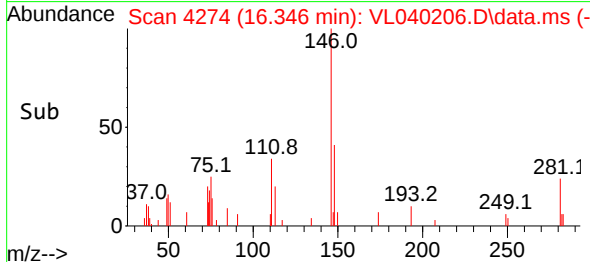
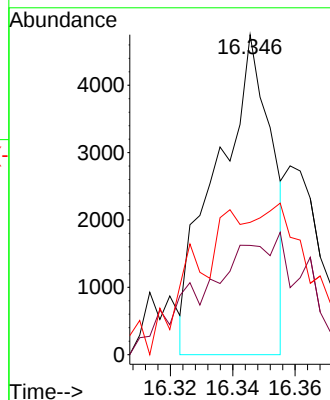
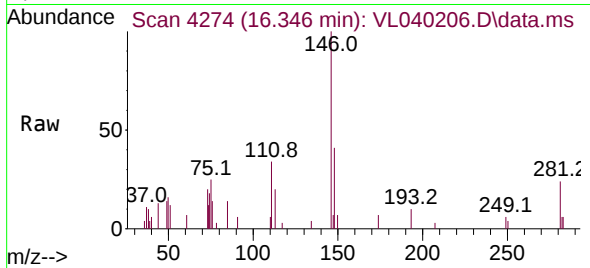




#75
1,3-Dichlorobenzene
Concen: 0.048 ppbv
RT: 16.346 min Scan# 4314
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

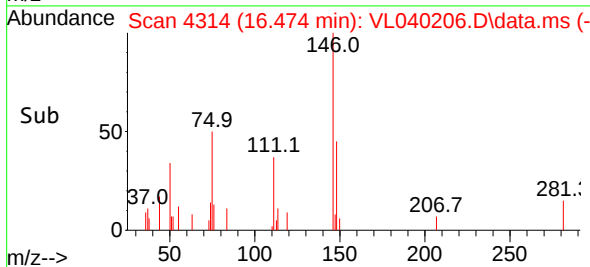
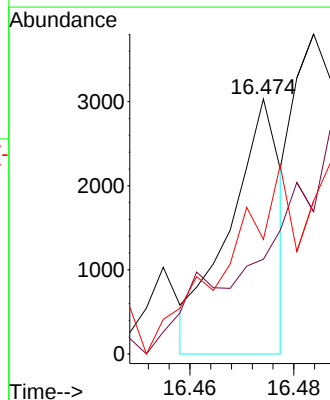
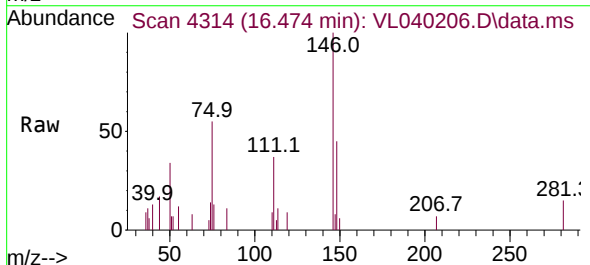
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion:146 Resp: 5870
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 0.0 32.1 96.5#



#76
1,4-Dichlorobenzene
Concen: 0.017 ppbv
RT: 16.474 min Scan# 4314
Delta R.T. -0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:146 Resp: 2083
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#

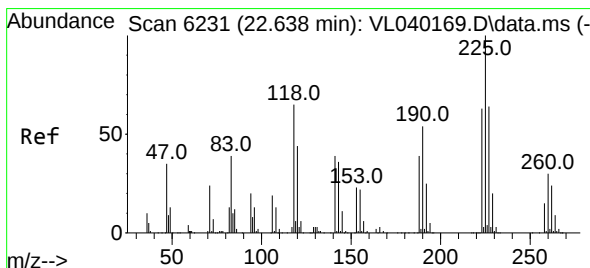
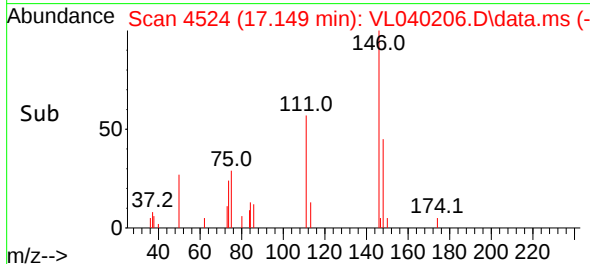
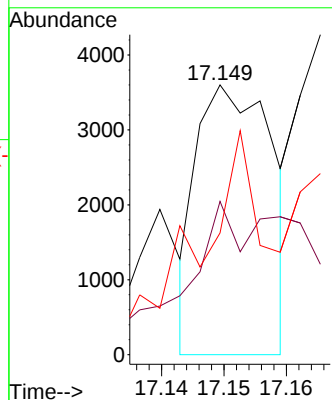
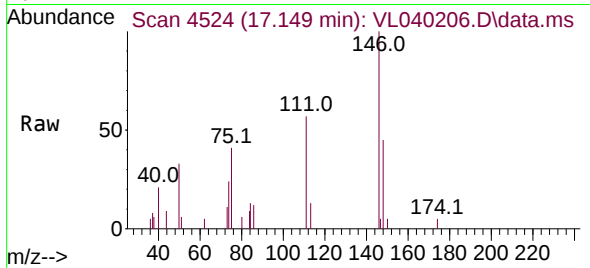




#77
1,2-Dichlorobenzene
Concen: 0.025 ppbv
RT: 17.149 min Scan# 4524
Delta R.T. -0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

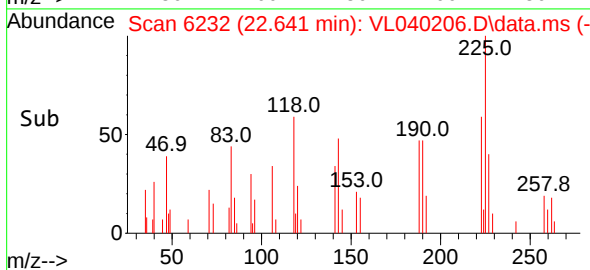
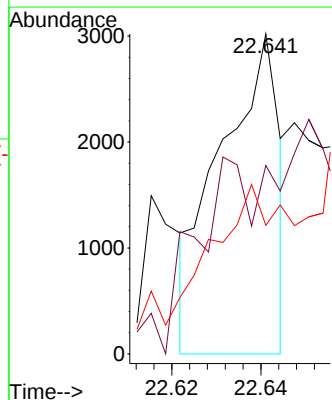
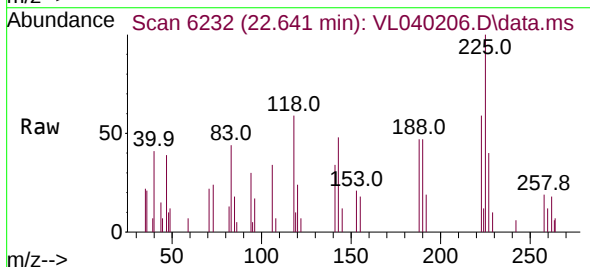
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

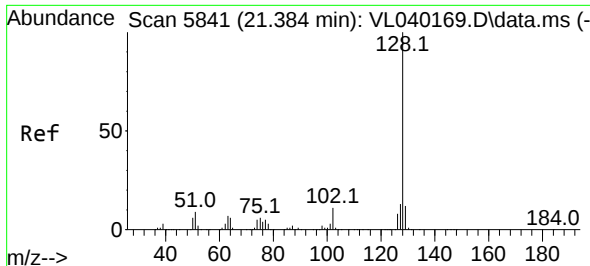
Tgt Ion:146 Resp: 3042
Ion Ratio Lower Upper
146 100
111 165.1 25.3 75.8#
148 186.9 32.0 96.2#



#78
Hexachloro-1,3-Butadiene
Concen: 0.034 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:225 Resp: 2786
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

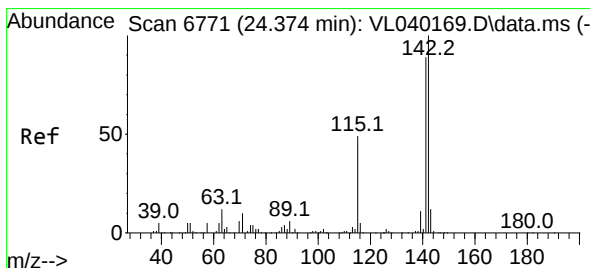
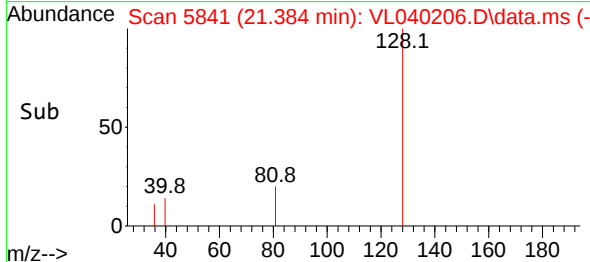
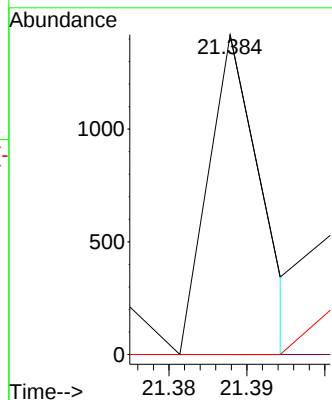
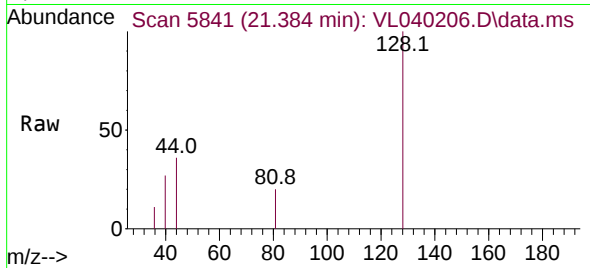




#79
Naphthalene
Concen: 0.003 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. -0.036 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

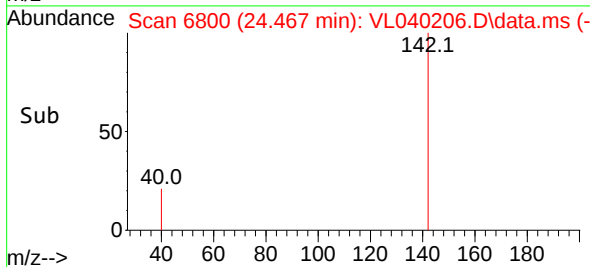
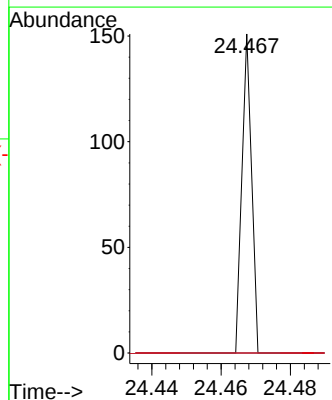
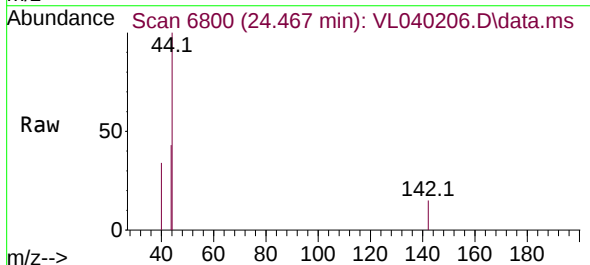
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT1-2023

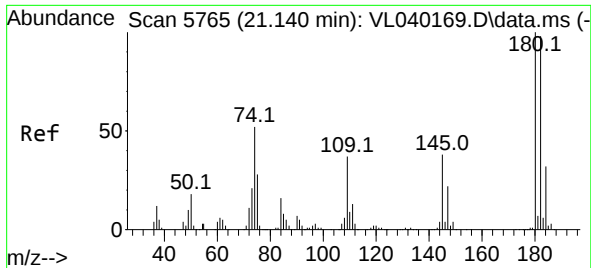
Tgt Ion:128 Resp: 340
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.4 14.0#



#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 24.467 min Scan# 6800
Delta R.T. 0.067 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:142 Resp: 29
Ion Ratio Lower Upper
142 100
141 0.0 67.3 100.9#
115 0.0 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.005 ppbv

RT: 21.143 min Scan# 51

Delta R.T. -0.032 min

Lab File: VL040206.D

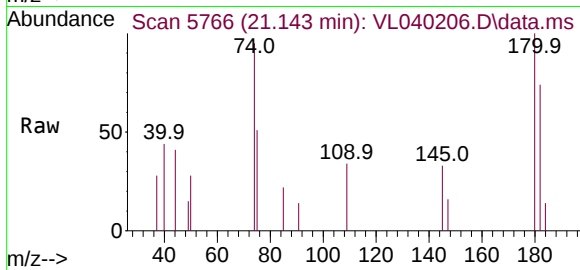
Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:180 Resp: 390

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 0.0 24.6 36.8#

