

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041014.D
 Acq On : 24 Jan 2024 13:53
 Operator : SY/MD
 Sample : P1187-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

Quant Time: Jan 25 03:18:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1059777	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2747393	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2365328	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	1793525	10.039	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	127735	0.546	ppbv	95
3) Chlorodifluoromethane	2.648	51	96988	0.544	ppbv	100
4) Chloromethane	2.787	50	37852	0.567	ppbv #	87
5) Vinyl Chloride	2.893	62	34811	0.531	ppbv #	87
6) Bromomethane	3.089	94	15008	0.526	ppbv	89
7) Chloroethane	3.169	64	12661	0.537	ppbv #	76
8) Dichlorotetrafluoroethane	2.832	85	94533	0.541	ppbv	98
9) Propene	2.668	41	33748	0.577	ppbv	100
10) Heptane	7.545	43	65497	0.455	ppbv	92
11) Trichlorofluoromethane	3.533	101	99988	0.530	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.034	101	69865	0.511	ppbv	90
13) Ethanol	3.227	45	9079	0.652	ppbv	97
14) Bromoethene	3.336	108	27140	0.517	ppbv #	91
15) Acetone	3.452	43	84089	0.620	ppbv	97
16) 1,3-Butadiene	2.960	39	33061	0.510	ppbv	98
17) tert-Butyl alcohol	3.864	59	68894	0.620	ppbv	99
18) 1,1-Dichloroethene	3.851	96	30564	0.522	ppbv #	90
19) Isopropyl Alcohol	3.561	45	44128	0.563	ppbv #	96
20) Methylene Chloride	3.902	84	38472	0.738	ppbv #	89
21) Allyl Chloride	3.967	41	41611	0.505	ppbv	94
22) trans-1,2-Dichloroethene	4.417	96	29774	0.494	ppbv	85
23) Vinyl Acetate	4.600	43	69698	0.499	ppbv #	93
24) 1,1-Dichloroethane	4.529	63	62278	0.503	ppbv	98
25) Ethyl Acetate	5.179	43	125586	0.511	ppbv #	95
26) Hexane	5.179	57	62664	0.598	ppbv	91
27) Carbon Disulfide	4.092	76	62618	0.459	ppbv #	82
28) Methyl tert-Butyl Ether	4.565	73	45759	0.526	ppbv	91
29) Chloroform	5.240	83	93639	0.504	ppbv	92
30) Cyclohexane	6.565	84	38740	0.441	ppbv #	92
31) cis-1,2-Dichloroethene	5.047	61	44157	0.449	ppbv	98
32) 1,1,1-Trichloroethane	5.967	97	59636	0.336	ppbv #	51
34) 2-Butanone	4.764	43	65788	0.503	ppbv #	91
35) Carbon Tetrachloride	6.455	117	95674	0.522	ppbv	98
36) Benzene	6.333	78	118079	0.520	ppbv	97
37) 1,2-Dichloroethane	5.770	62	70502	0.509	ppbv	98
38) Trichloroethene	7.259	130	42966	0.472	ppbv	88
39) 1,2-Dichloropropane	7.037	63	35308	0.395	ppbv	93
40) 1,4-Dioxane	7.278	88	14052	0.378	ppbv #	1
41) Tetrahydrofuran	5.549	42	25300	0.285	ppbv #	46
42) Bromodichloromethane	7.211	83	95827	0.484	ppbv	99
43) Methyl Methacrylate	7.442	69	35726	0.408	ppbv	82
44) 2,2,4-Trimethylpentane	7.288	57	191026	0.500	ppbv	96
45) t-1,3-Dichloropropene	8.677	75	8189	0.137	ppbv	89

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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 LOQ-AIR-02-QT1-2024

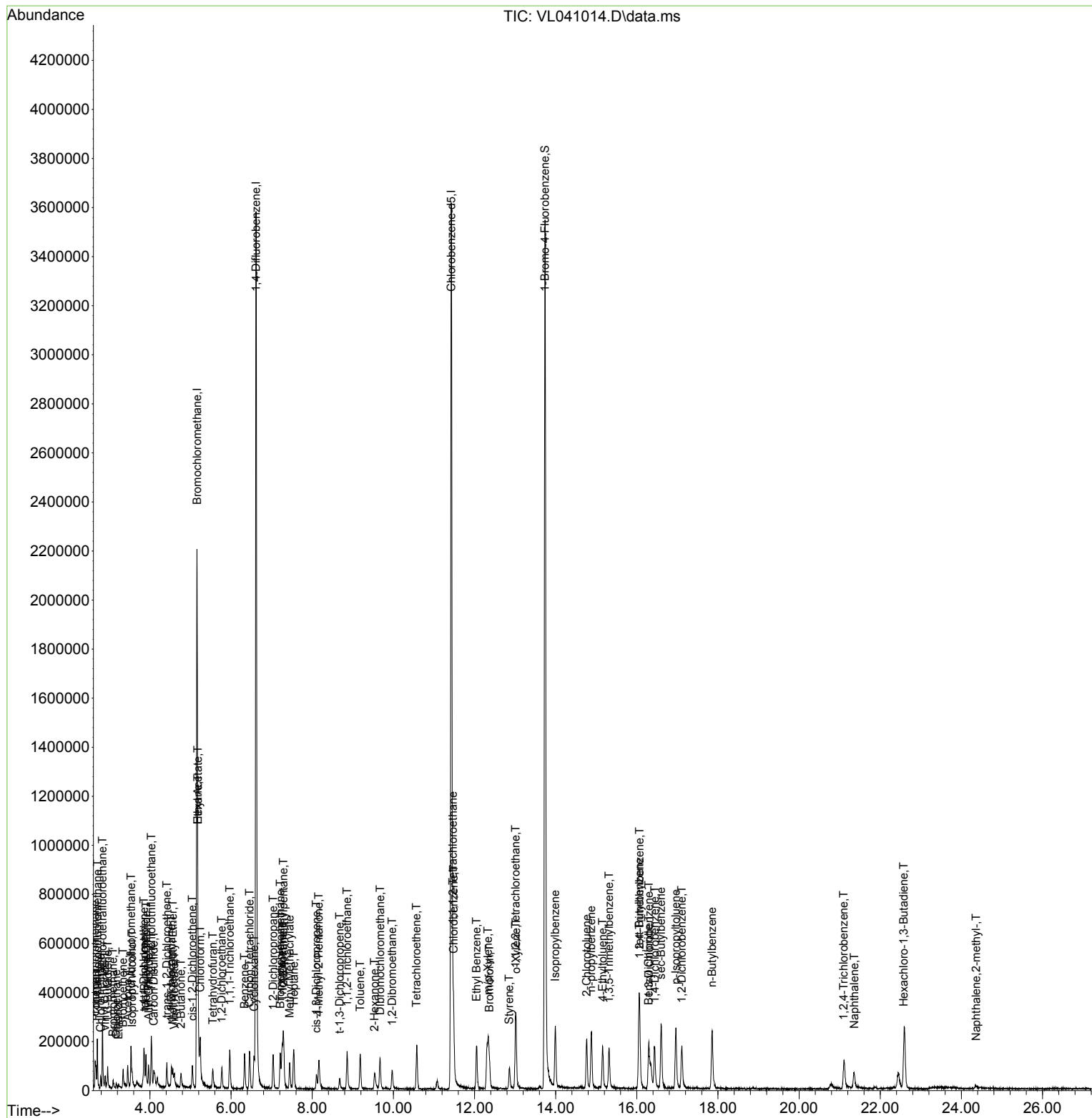
Quant Time: Jan 25 03:18:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
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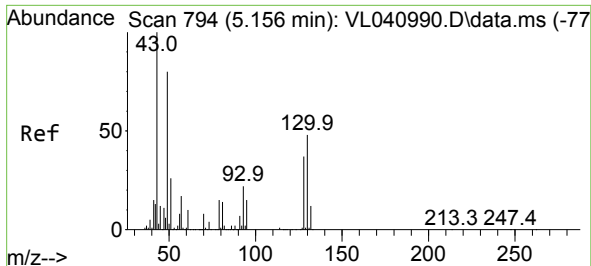
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.098	75	13273	0.178	ppbv	90
47) 1,1,2-Trichloroethane	8.860	97	47580	0.494	ppbv #	85
48) Dibromochloromethane	9.674	129	51825	0.318	ppbv #	10
49) Bromoform	12.368	173	54299	0.425	ppbv	94
50) 4-Methyl-2-Pentanone	8.159	43	51208	0.222	ppbv #	40
51) 2-Hexanone	9.536	43	27144	0.163	ppbv #	31
52) Tetrachloroethene	10.571	164	17987	0.239	ppbv	87
53) Toluene	9.179	91	111433	0.448	ppbv	99
54) 1,2-Dibromoethane	9.970	107	62025	0.475	ppbv	82
56) 1,1,1,2-Tetrachloroethane	11.468	131	61092	0.538	ppbv #	1
57) Chlorobenzene	11.484	112	102569	0.539	ppbv #	96
58) Ethyl Benzene	12.050	91	88082	0.277	ppbv	96
59) m/p-Xylene	12.330	91	49022	0.177	ppbv #	1
60) o-Xylene	13.024	91	129689	0.488	ppbv	99
61) Styrene	12.854	104	19688	0.161	ppbv #	1
62) Isopropylbenzene	13.992	105	207828	0.529	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.014	83	97317	0.471	ppbv	86
64) n-propylbenzene	14.873	120	27765	0.280	ppbv	75
65) tert-Butylbenzene	16.059	119	156191	0.455	ppbv	84
66) Benzyl Chloride	16.288	91	3962	0.176	ppbv #	68
67) sec-Butylbenzene	16.596	105	137747	0.276	ppbv #	60
69) p-Isopropyltoluene	16.960	119	191413	0.494	ppbv	95
70) n-Butylbenzene	17.854	91	198037	0.473	ppbv	98
71) 2-Chlorotoluene	14.760	91	79183	0.261	ppbv #	44
72) 4-Ethyltoluene	15.156	105	74860	0.252	ppbv #	51
73) 1,3,5-Trimethylbenzene	15.313	105	68143	0.259	ppbv	87
74) 1,2,4-Trimethylbenzene	16.069	105	147920	0.495	ppbv	90
75) 1,3-Dichlorobenzene	16.294	146	86776	0.511	ppbv	95
76) 1,4-Dichlorobenzene	16.442	146	87700	0.523	ppbv	92
77) 1,2-Dichlorobenzene	17.108	146	57578	0.341	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.574	225	15602	0.143	ppbv #	18
79) Naphthalene	21.358	128	84088	0.494	ppbv #	94
80) Naphthalene,2-methyl-	24.361	142	16823	0.562	ppbv #	62
81) 1,2,4-Trichlorobenzene	21.098	180	16899	0.170	ppbv #	11

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

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jan 25 03:13:06 2024
Response via : Initial Calibration

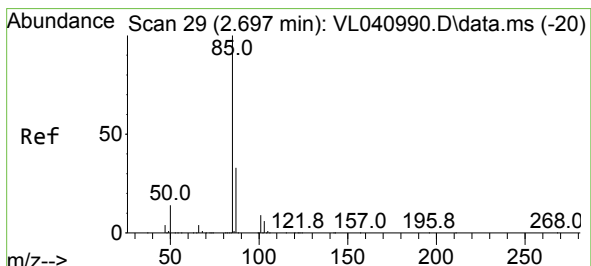
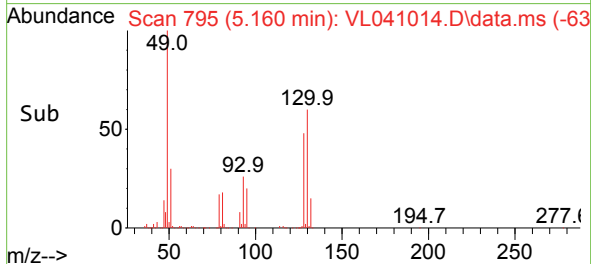
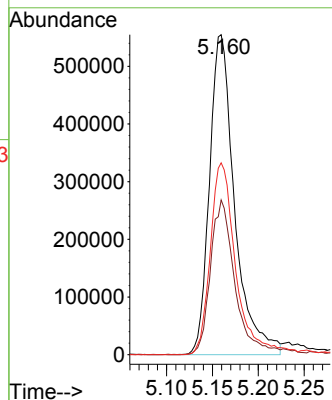
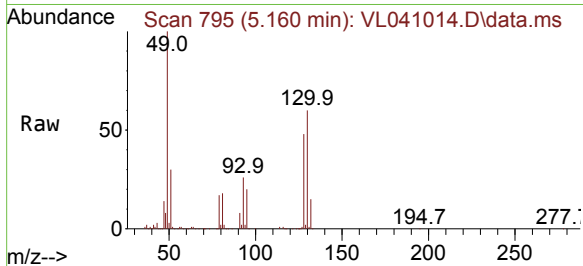




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.160 min Scan# 794
Delta R.T. 0.004 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

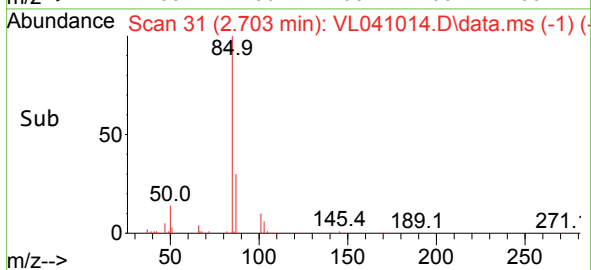
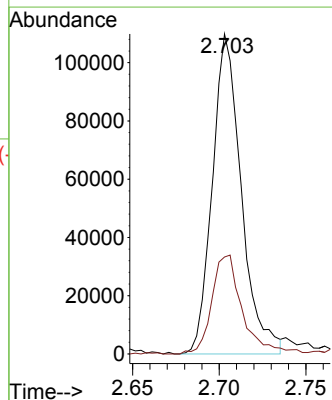
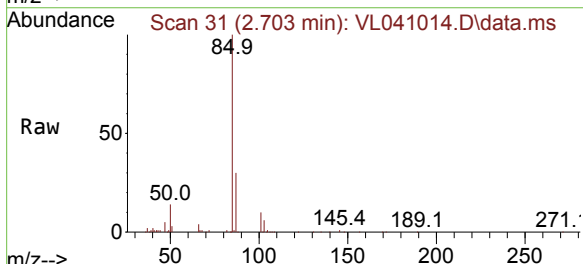
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

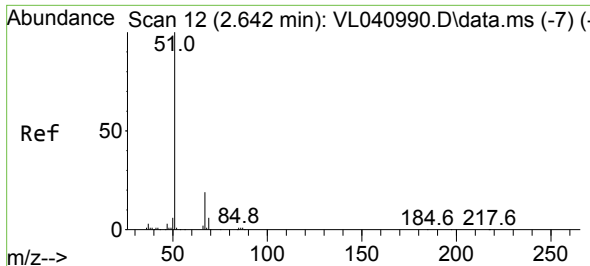
Tgt Ion: 49 Resp: 1059777
Ion Ratio Lower Upper
49 100
128 47.5 23.9 71.7
130 63.0 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.546 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 85 Resp: 127735
Ion Ratio Lower Upper
85 100
87 30.3 26.3 39.5

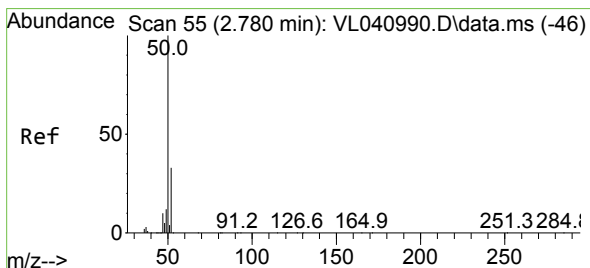
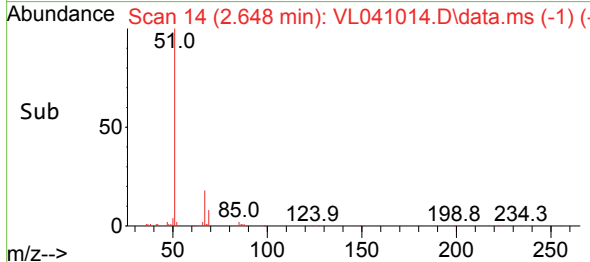
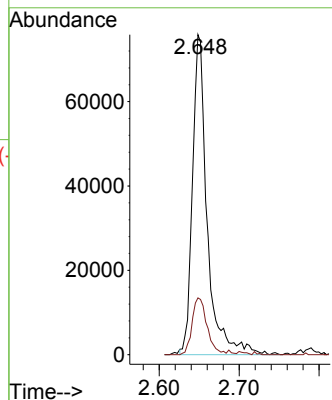
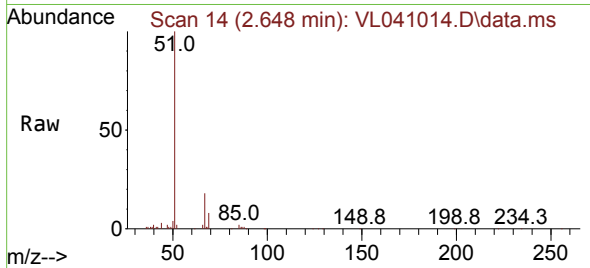




#3
Chlorodifluoromethane
Concen: 0.544 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

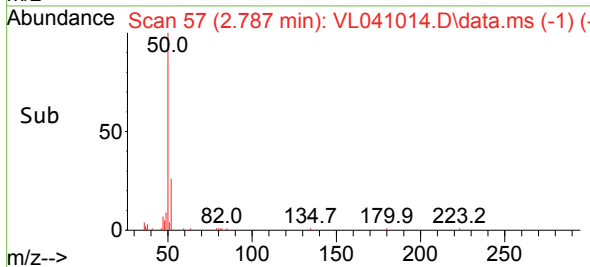
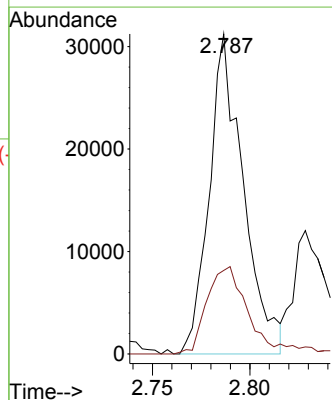
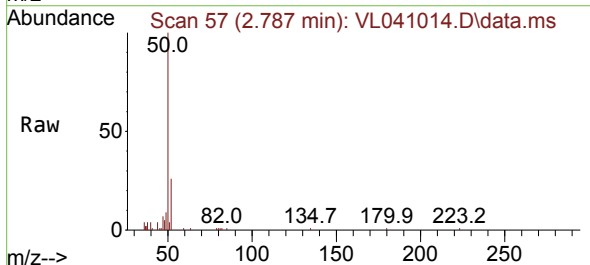
Instrument :
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ClientSampleId :
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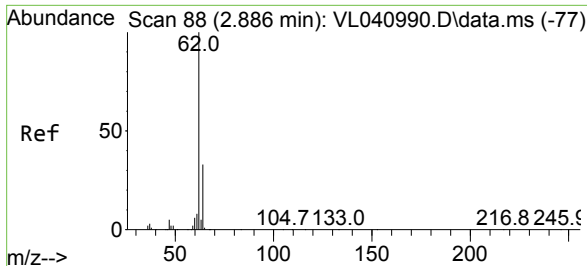
Tgt Ion: 51 Resp: 96988
Ion Ratio Lower Upper
51 100
67 18.4 14.8 22.2



#4
Chloromethane
Concen: 0.567 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 50 Resp: 37852
Ion Ratio Lower Upper
50 100
52 25.5 26.2 39.4#

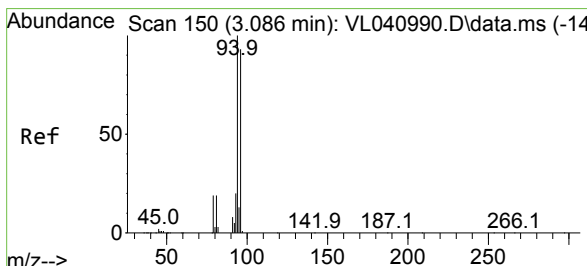
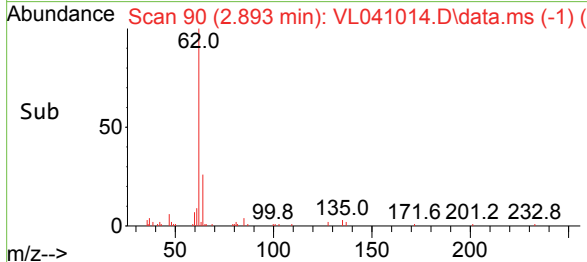
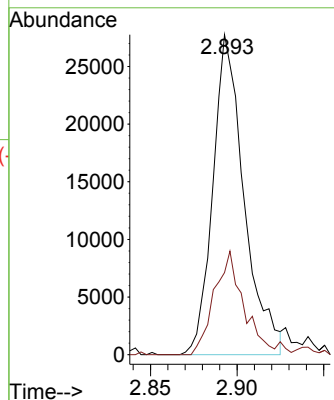
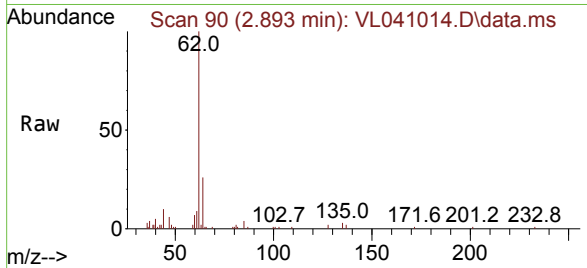




#5
 Vinyl Chloride
 Concen: 0.531 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

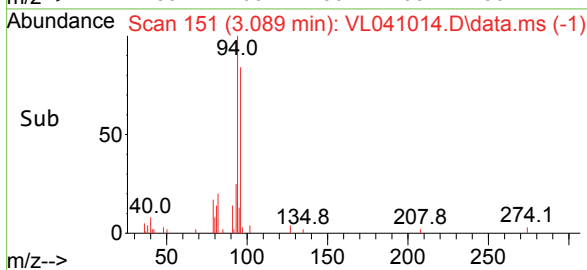
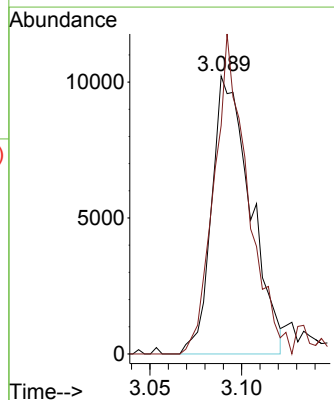
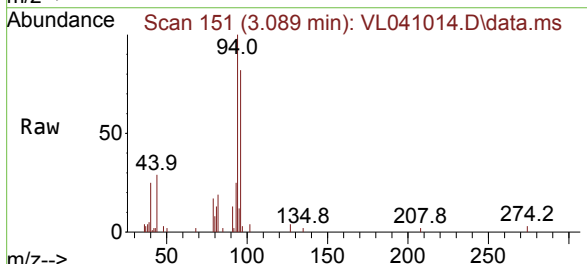
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 LOQ-AIR-02-QT1-2024

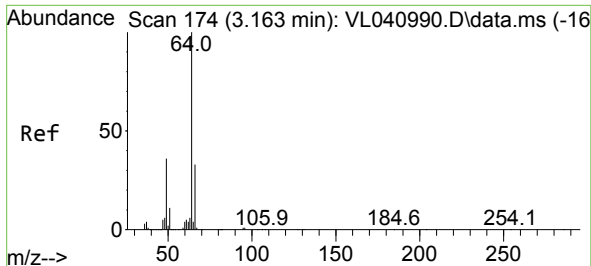
Tgt Ion: 62 Resp: 34811
 Ion Ratio Lower Upper
 62 100
 64 25.8 26.6 40.0#



#6
 Bromomethane
 Concen: 0.526 ppbv
 RT: 3.089 min Scan# 151
 Delta R.T. -0.000 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion: 94 Resp: 15008
 Ion Ratio Lower Upper
 94 100
 96 82.2 74.2 111.4

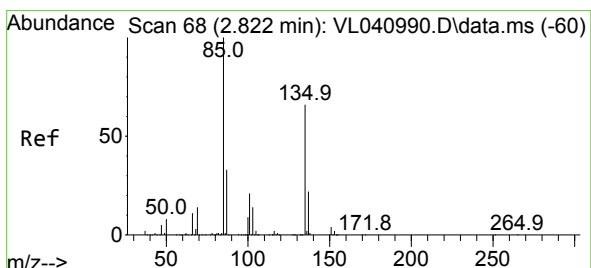
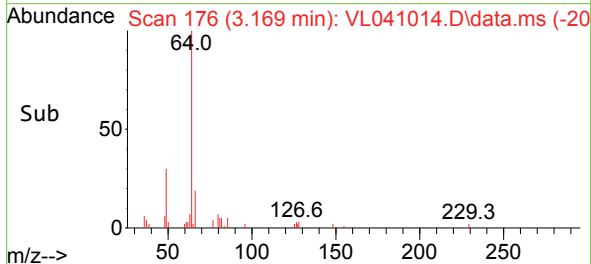
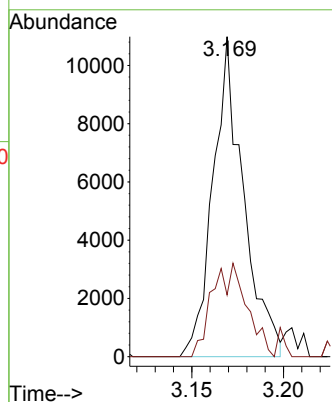
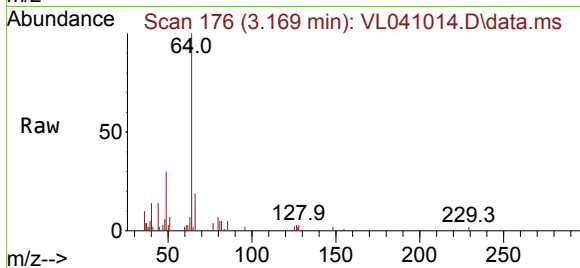




#7
Chloroethane
Concen: 0.537 ppbv
RT: 3.169 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

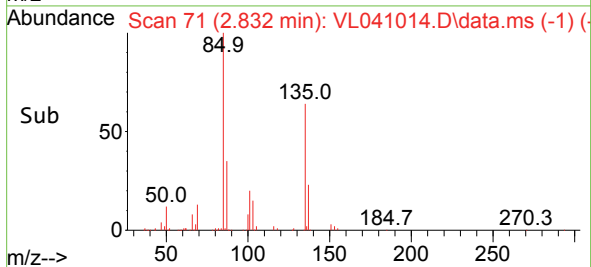
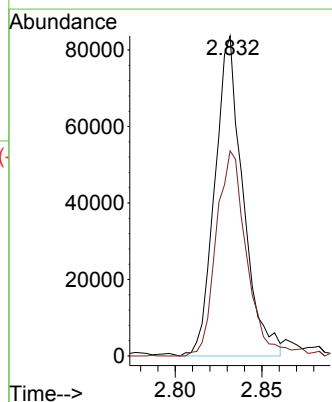
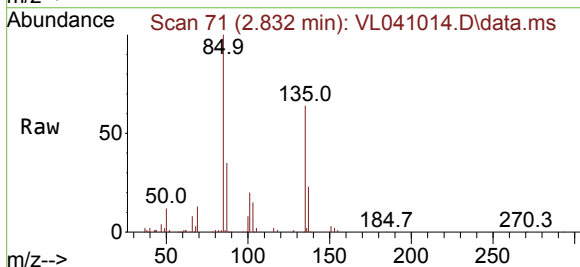
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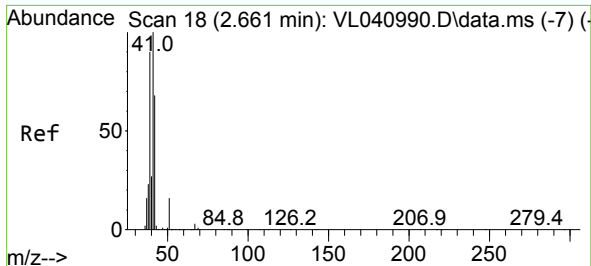
Tgt Ion: 64 Resp: 12661
Ion Ratio Lower Upper
64 100
66 19.3 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.541 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 85 Resp: 94533
Ion Ratio Lower Upper
85 100
135 70.0 55.0 82.6

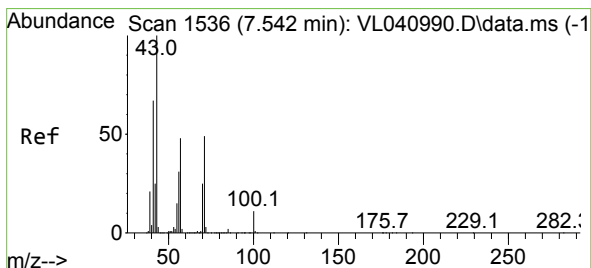
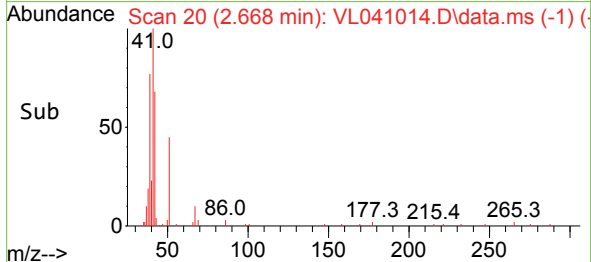
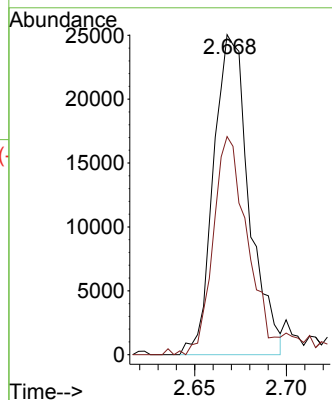
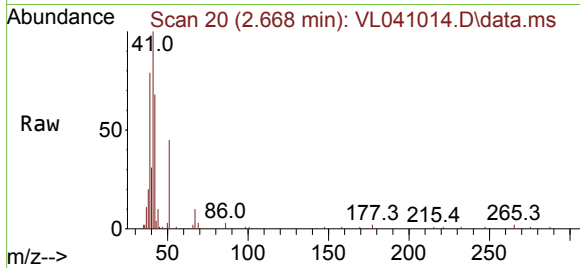




#9
Propene
Concen: 0.577 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

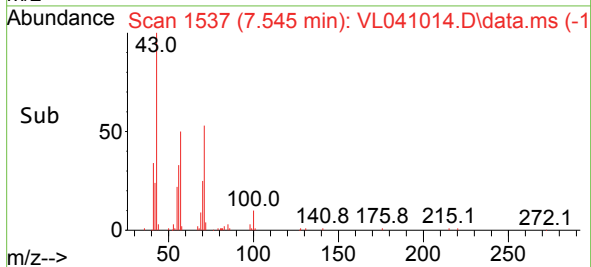
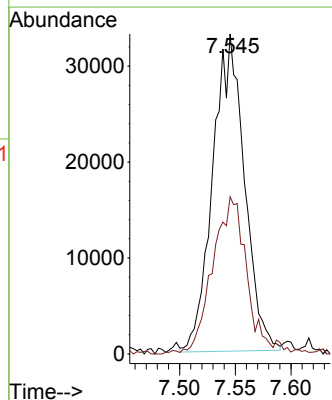
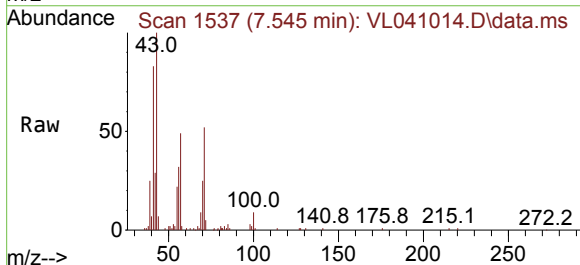
Instrument :
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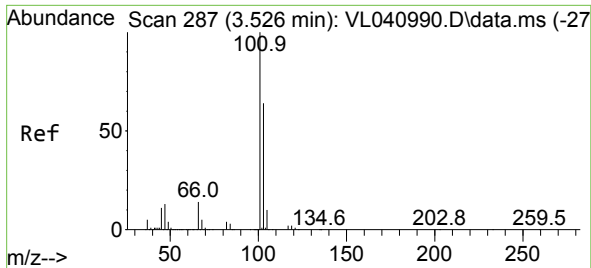
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Ion Ratio Lower Upper
41 100
42 73.5 59.0 88.4



#10
Heptane
Concen: 0.455 ppbv
RT: 7.545 min Scan# 1537
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 43 Resp: 65497
Ion Ratio Lower Upper
43 100
57 54.6 39.4 59.2

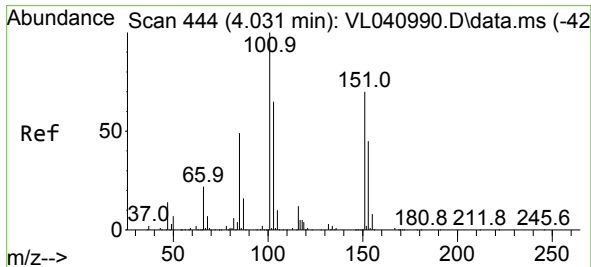
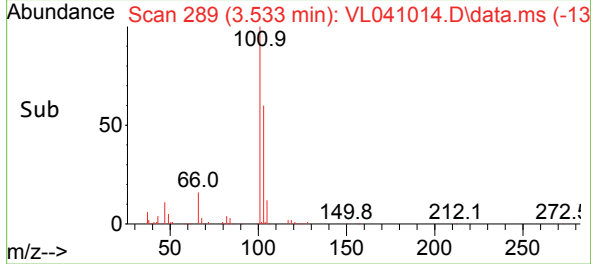
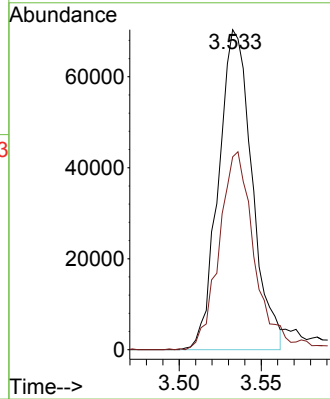
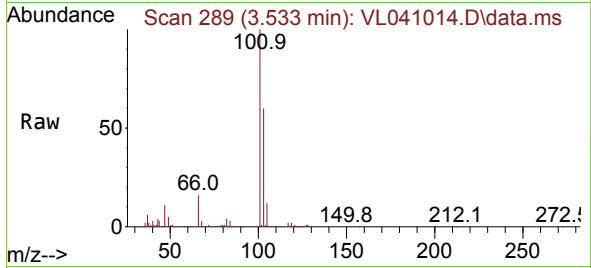




#11
 Trichlorofluoromethane
 Concen: 0.530 ppbv
 RT: 3.533 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

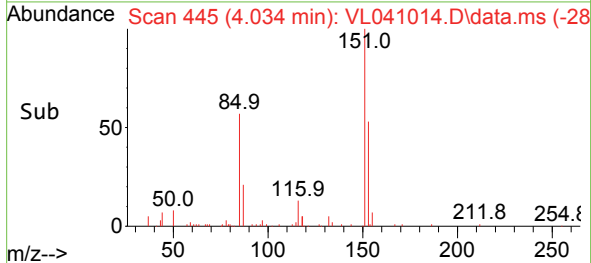
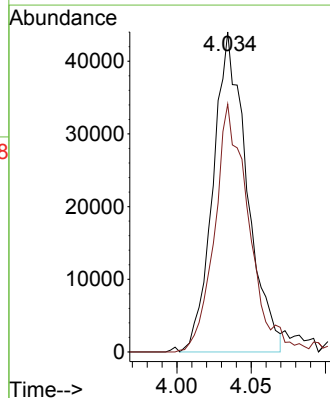
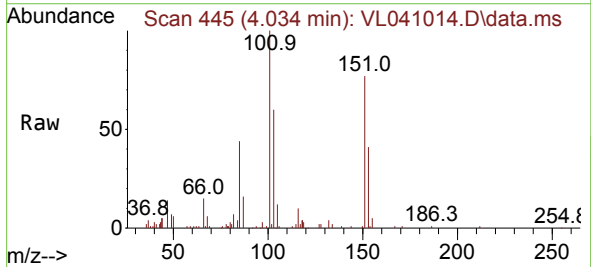
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

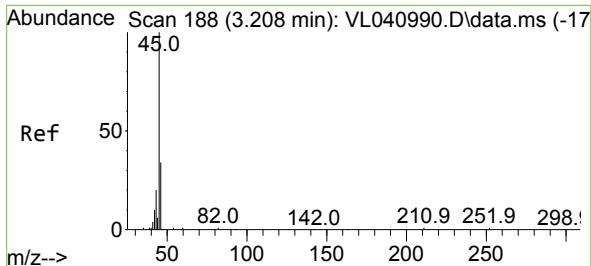
Tgt Ion:101 Resp: 99988
 Ion Ratio Lower Upper
 101 100
 103 60.0 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.511 ppbv
 RT: 4.034 min Scan# 445
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion:101 Resp: 69865
 Ion Ratio Lower Upper
 101 100
 151 79.4 56.6 85.0

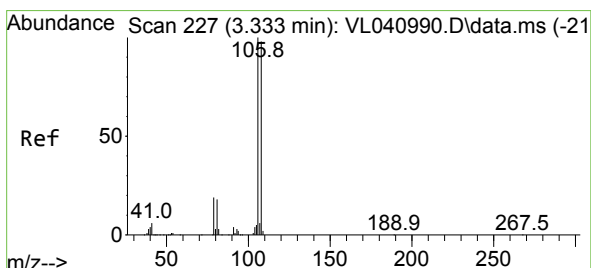
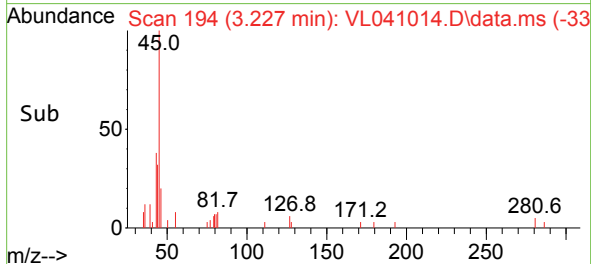
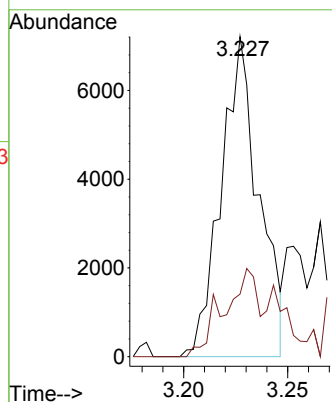
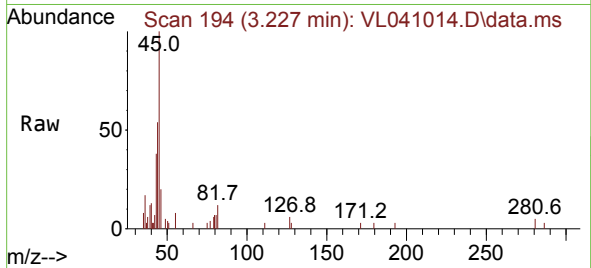




#13
Ethanol
Concen: 0.652 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.019 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

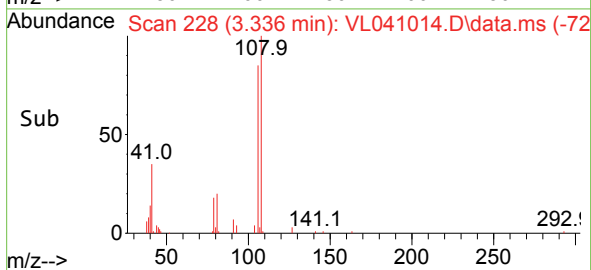
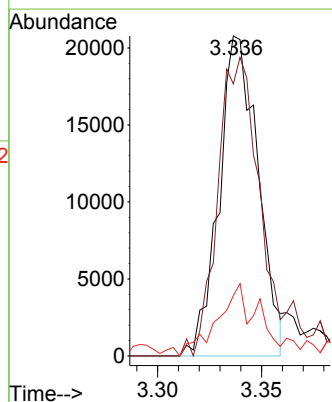
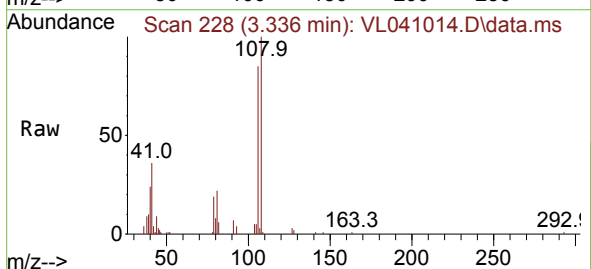
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

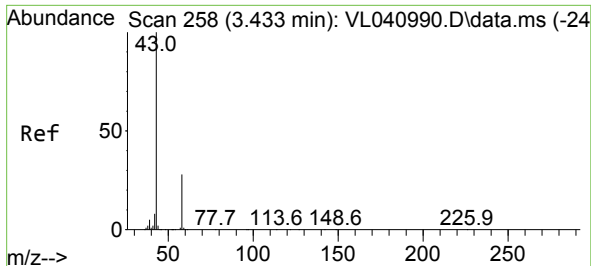
Tgt Ion: 45 Resp: 9079
Ion Ratio Lower Upper
45 100
46 42.5 16.2 64.8



#14
Bromoethene
Concen: 0.517 ppbv
RT: 3.336 min Scan# 228
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 108 Resp: 27140
Ion Ratio Lower Upper
108 100
106 113.8 86.4 129.6
79 32.0 16.2 24.4#





#15

Acetone

Concen: 0.620 ppbv

RT: 3.452 min Scan# 2

Delta R.T. 0.016 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

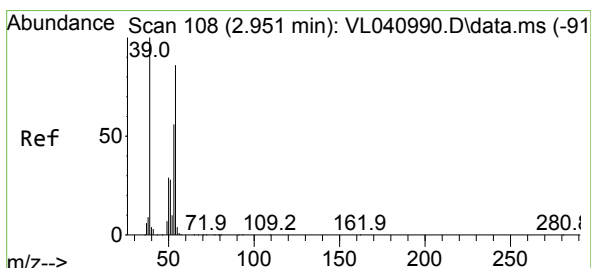
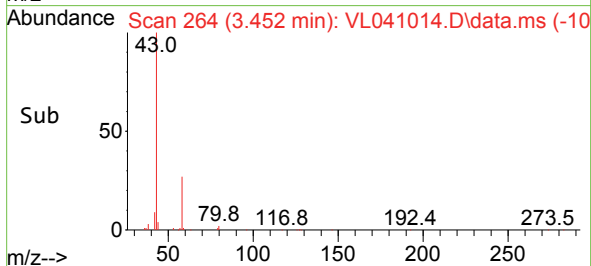
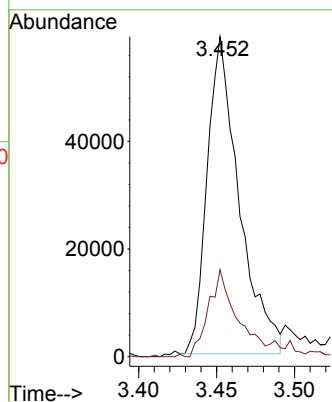
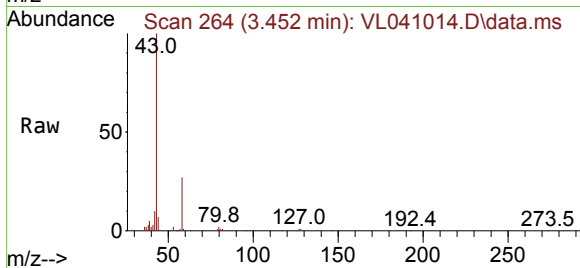
LOQ-AIR-02-QT1-2024

Tgt Ion: 43 Resp: 84089

Ion Ratio Lower Upper

43 100

58 29.3 22.2 33.2



#16

1,3-Butadiene

Concen: 0.510 ppbv

RT: 2.960 min Scan# 111

Delta R.T. 0.006 min

Lab File: VL041014.D

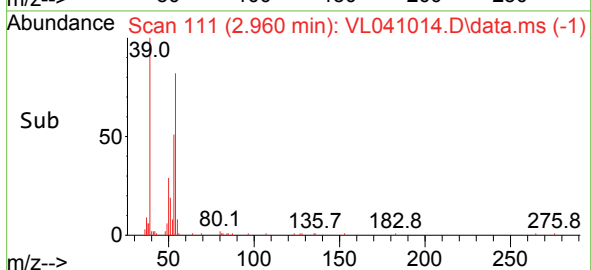
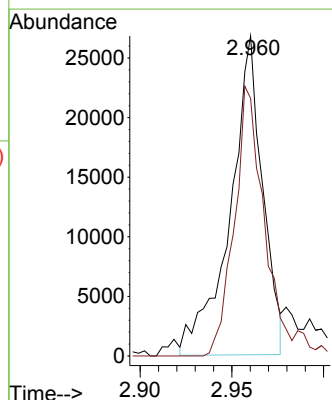
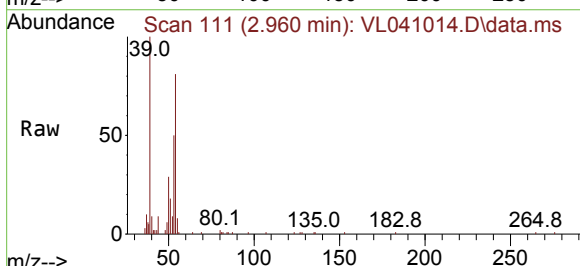
Acq: 24 Jan 2024 13:53

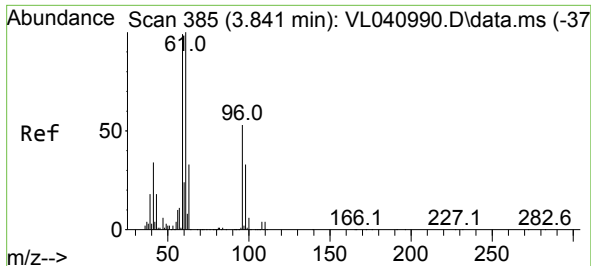
Tgt Ion: 39 Resp: 33061

Ion Ratio Lower Upper

39 100

54 80.1 62.7 94.1





#17

tert-Butyl alcohol

Concen: 0.620 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.019 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

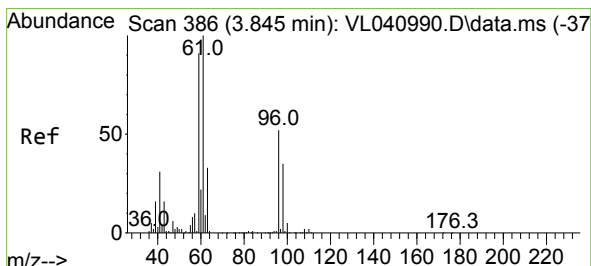
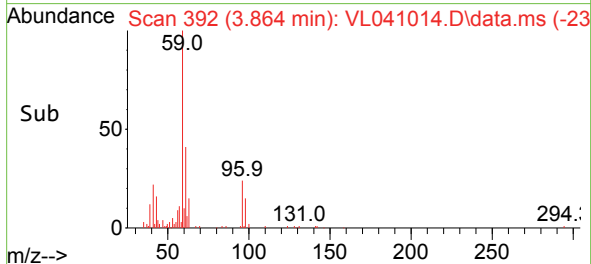
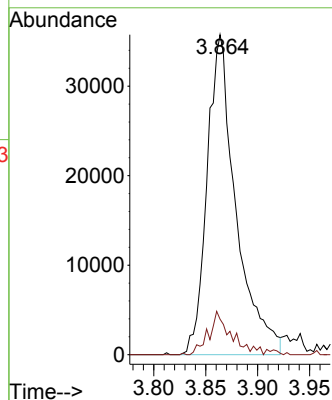
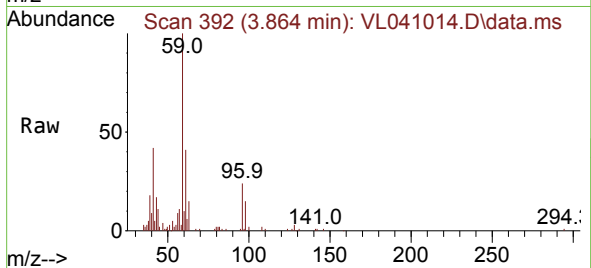
LOQ-AIR-02-QT1-2024

Tgt Ion: 59 Resp: 68894

Ion Ratio Lower Upper

59 100

57 11.3 8.7 13.1



#18

1,1-Dichloroethene

Concen: 0.522 ppbv

RT: 3.851 min Scan# 388

Delta R.T. 0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

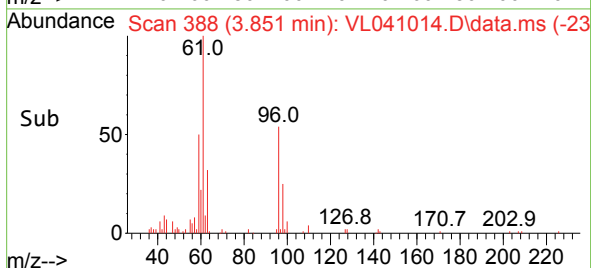
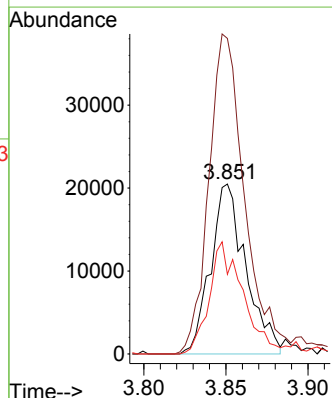
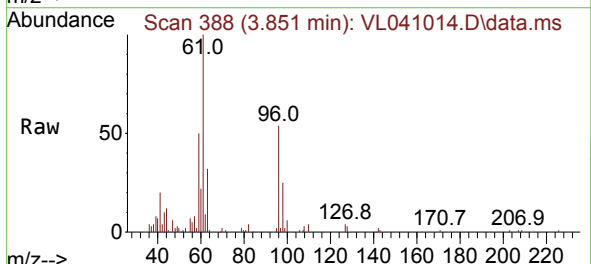
Tgt Ion: 96 Resp: 30564

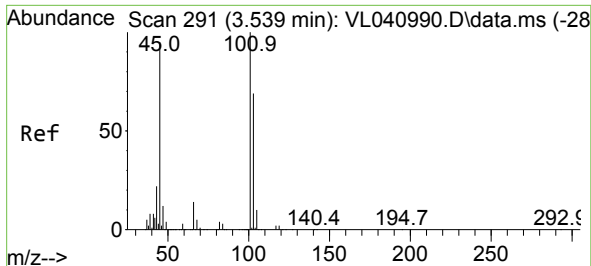
Ion Ratio Lower Upper

96 100

61 184.4 153.8 230.8

98 46.9 53.7 80.5#





#19

Isopropyl Alcohol

Concen: 0.563 ppbv

RT: 3.561 min Scan# 291

Delta R.T. 0.016 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

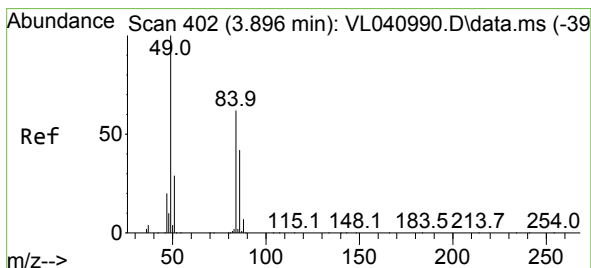
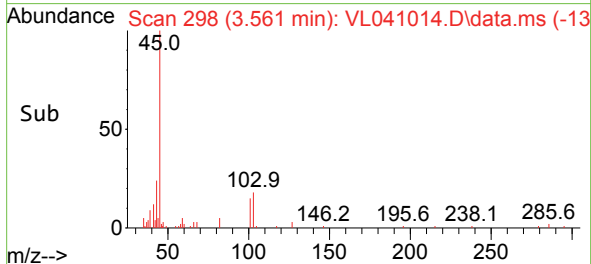
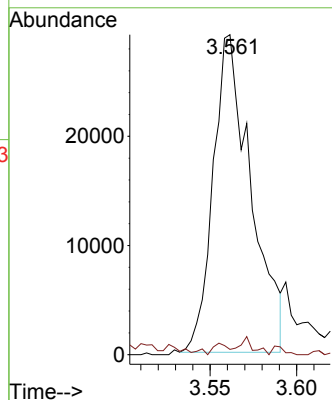
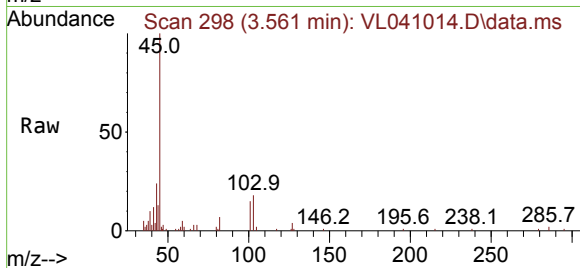
LOQ-AIR-02-QT1-2024

Tgt Ion: 45 Resp: 44128

Ion Ratio Lower Upper

45 100

58 4.2 2.2 3.4#



#20

Methylene Chloride

Concen: 0.738 ppbv

RT: 3.902 min Scan# 404

Delta R.T. 0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Tgt Ion: 84 Resp: 38472

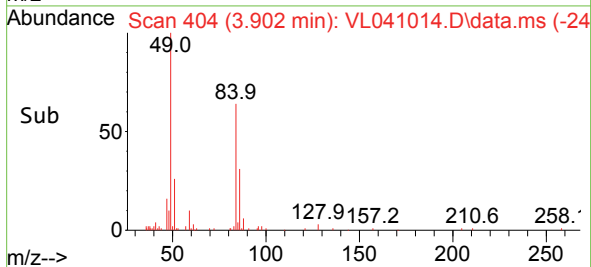
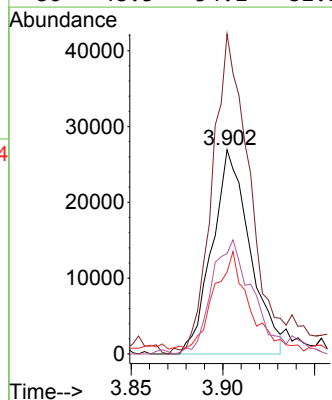
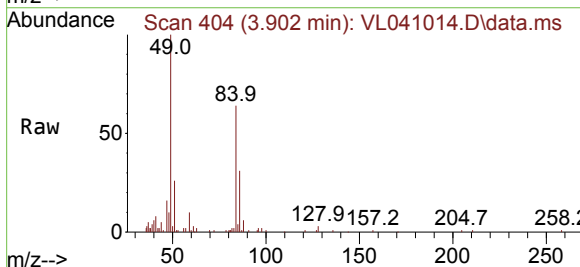
Ion Ratio Lower Upper

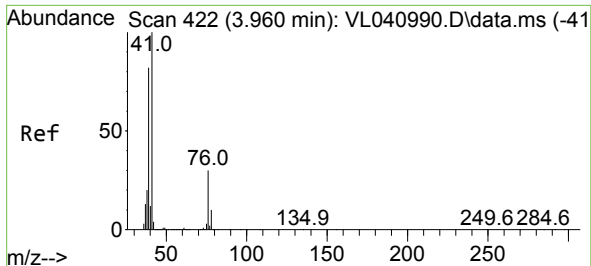
84 100

49 154.7 128.1 192.1

51 36.3 36.5 54.7#

86 48.5 54.1 81.1#

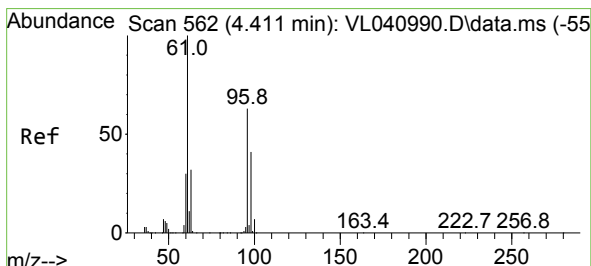
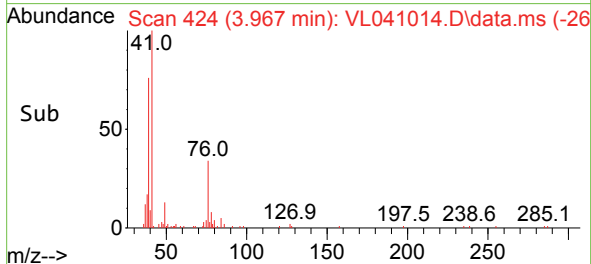
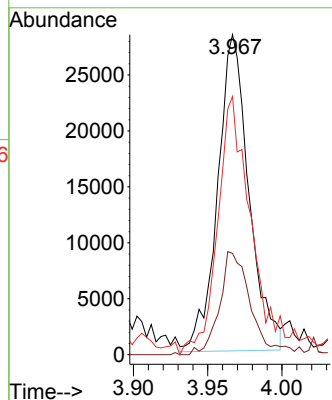
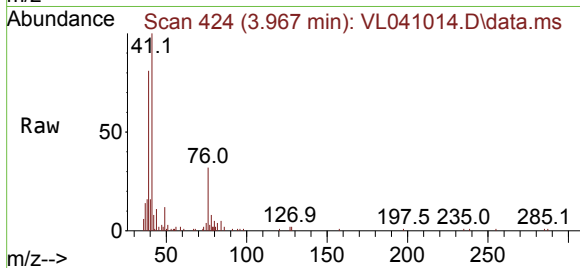




#21
 Allyl Chloride
 Concen: 0.505 ppbv
 RT: 3.967 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

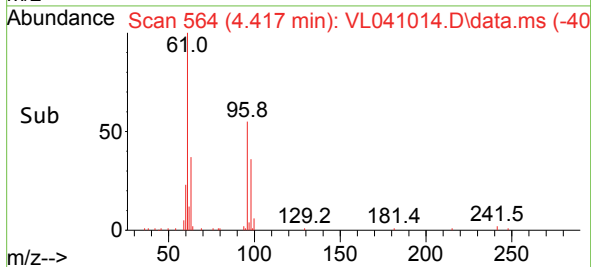
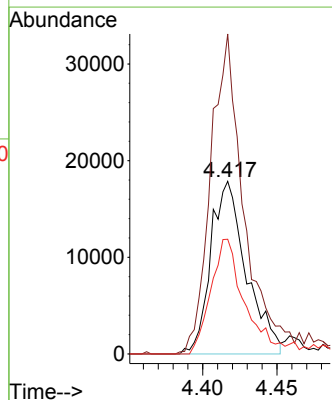
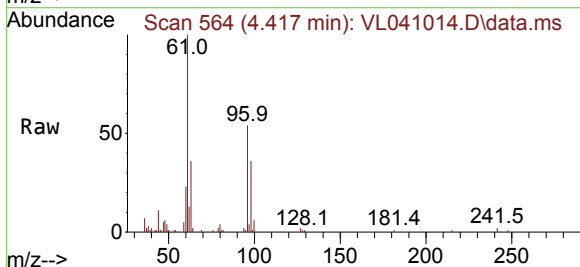
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

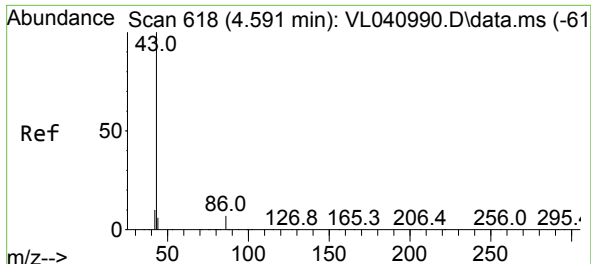
Tgt Ion: 41 Resp: 41611
 Ion Ratio Lower Upper
 41 100
 76 33.5 25.0 37.4
 39 90.2 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 0.494 ppbv
 RT: 4.417 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion: 96 Resp: 29774
 Ion Ratio Lower Upper
 96 100
 61 184.2 126.0 189.0
 98 66.5 51.2 76.8

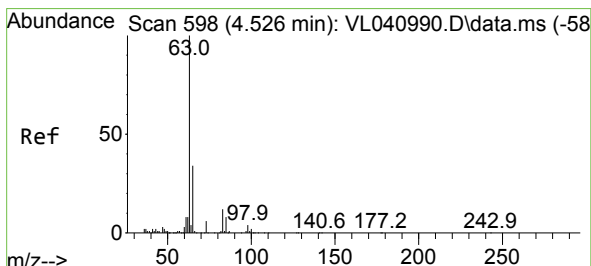
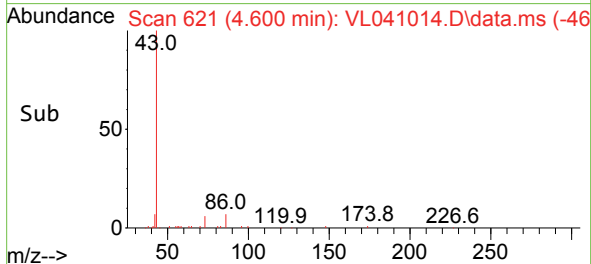
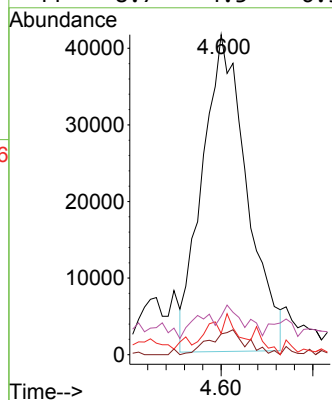
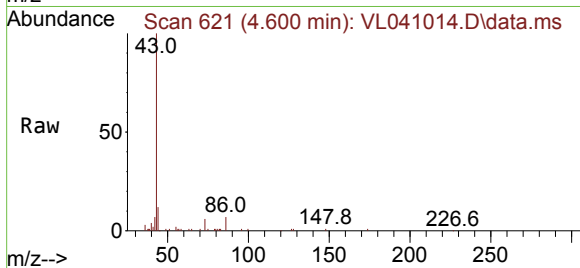




#23
 Vinyl Acetate
 Concen: 0.499 ppbv
 RT: 4.600 min Scan# 618
 Delta R.T. 0.006 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

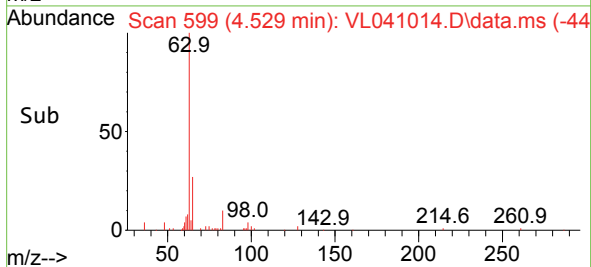
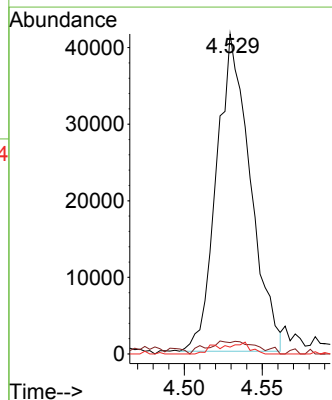
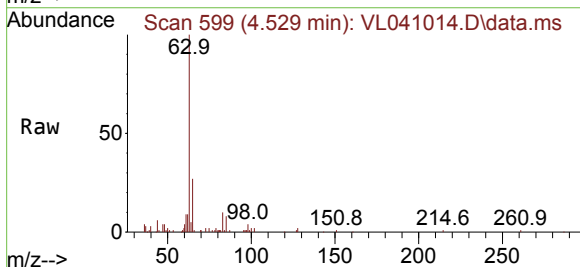
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

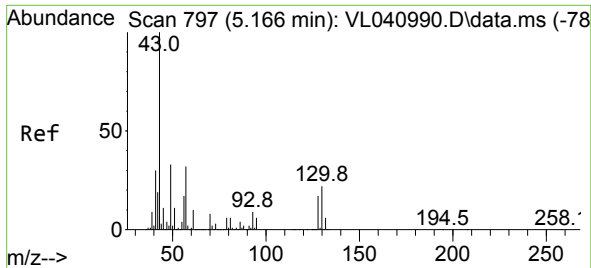
Tgt Ion:	43	Resp:	69698
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.4	8.0
42	7.8	8.6	13.0#
44	8.7	4.3	6.5#



#24
 1,1-Dichloroethane
 Concen: 0.503 ppbv
 RT: 4.529 min Scan# 599
 Delta R.T. -0.000 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion:	63	Resp:	62278
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.1	6.3
100	2.2	1.3	3.9

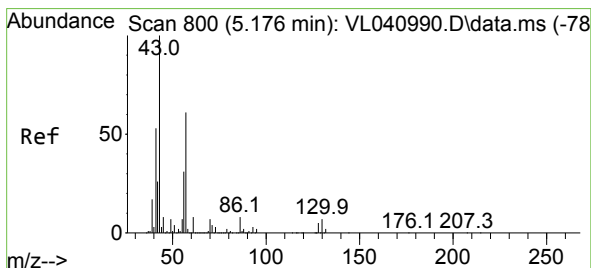
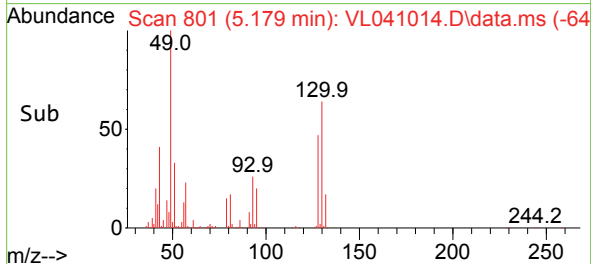
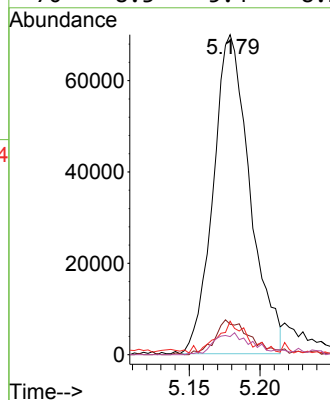
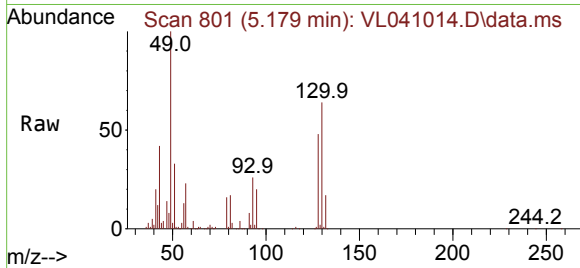




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 5.179 min Scan# 801
Delta R.T. 0.013 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

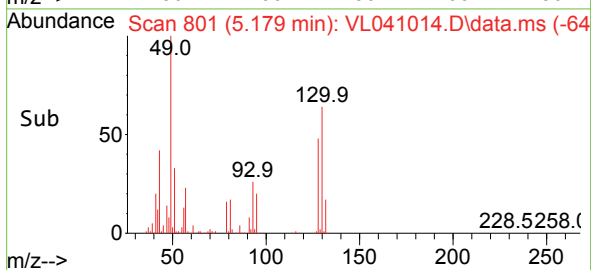
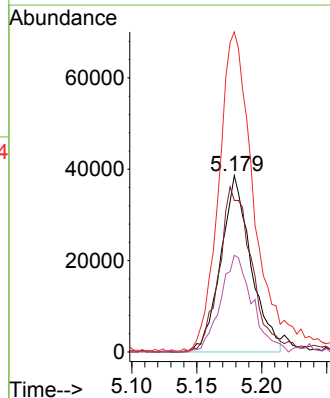
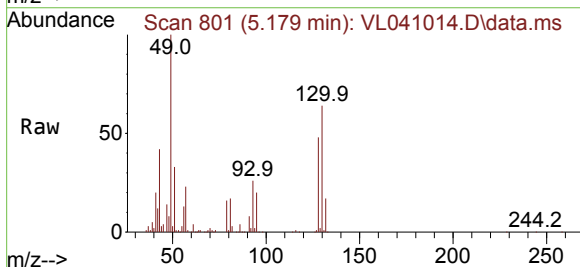
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

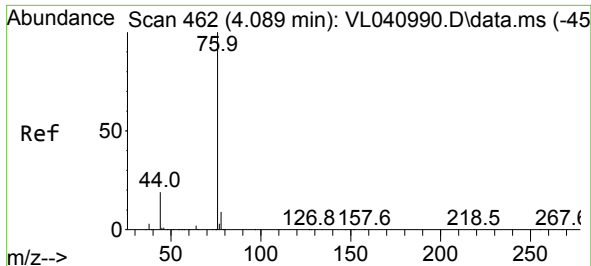
Tgt	Ion: 43	Resp:	125586
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.2	12.4
61	12.6	7.9	11.9#
70	8.3	5.4	8.2#



#26
Hexane
Concen: 0.598 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 57	Resp: 62664		
Ion	Ratio	Lower	Upper
57	100		
41	105.3	74.4	111.6
43	225.3	190.6	285.8
56	59.9	43.0	64.4

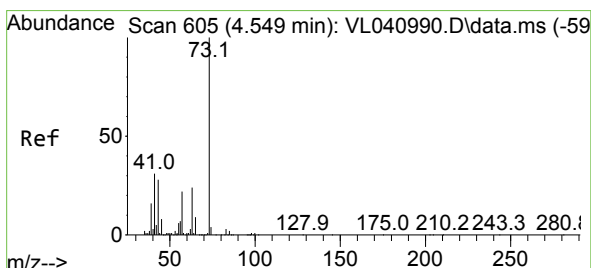
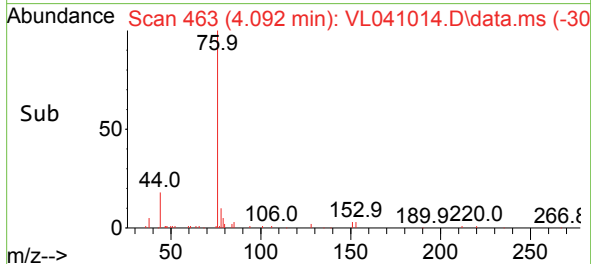
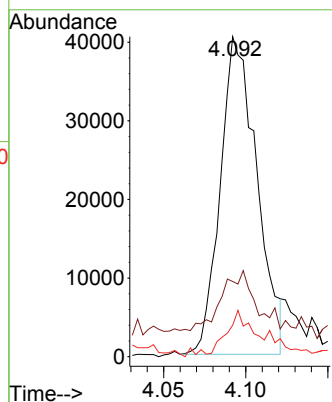
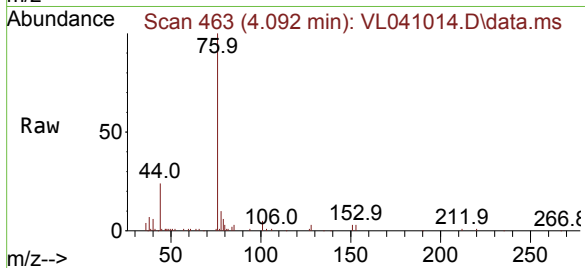




#27
Carbon Disulfide
Concen: 0.459 ppbv
RT: 4.092 min Scan# 410
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

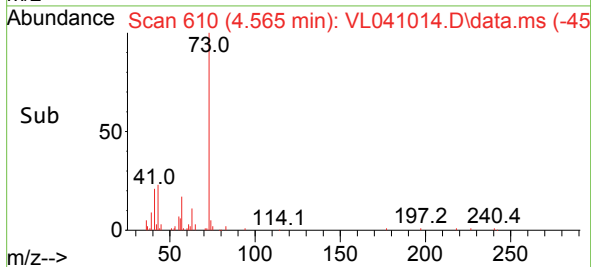
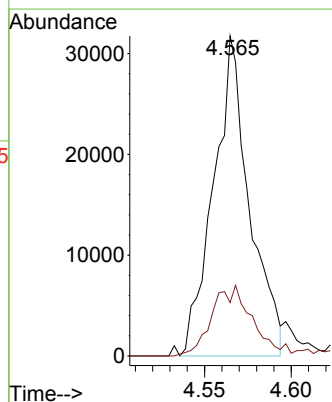
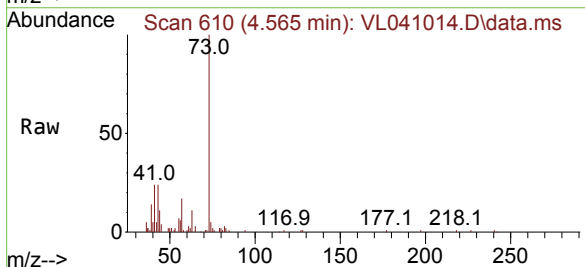
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

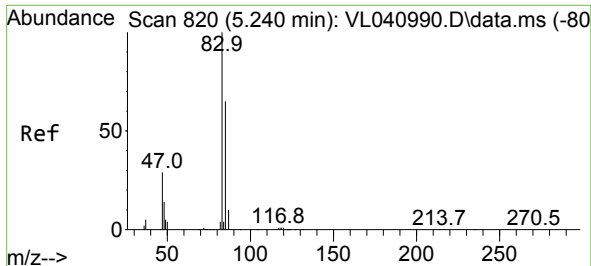
Tgt Ion: 76 Resp: 62618
Ion Ratio Lower Upper
76 100
44 30.1 16.0 24.0#
78 13.6 7.8 11.8#



#28
Methyl tert-Butyl Ether
Concen: 0.526 ppbv
RT: 4.565 min Scan# 610
Delta R.T. 0.013 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 73 Resp: 45759
Ion Ratio Lower Upper
73 100
57 26.7 18.0 27.0





#29

Chloroform

Concen: 0.504 ppbv

RT: 5.240 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

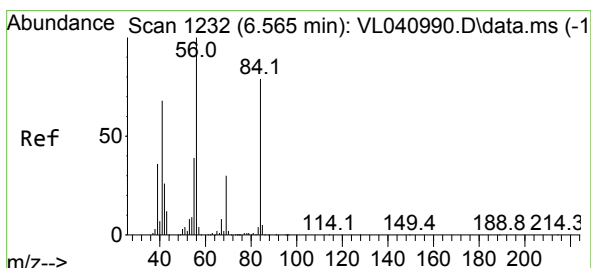
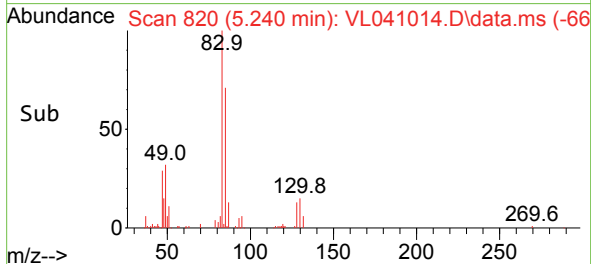
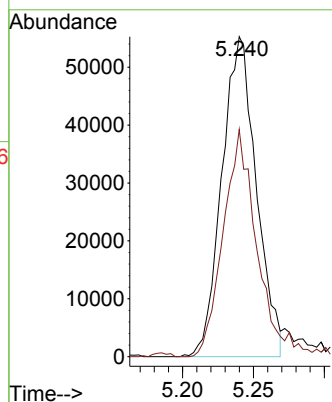
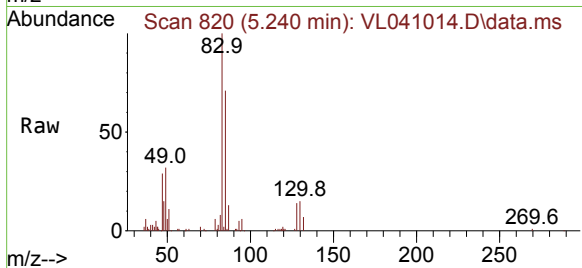
LOQ-AIR-02-QT1-2024

Tgt Ion: 83 Resp: 93639

Ion Ratio Lower Upper

83 100

85 71.0 51.6 77.4



#30

Cyclohexane

Concen: 0.441 ppbv

RT: 6.565 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

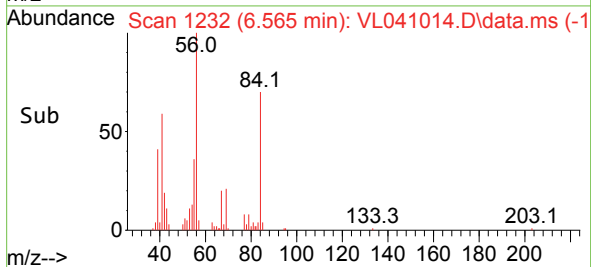
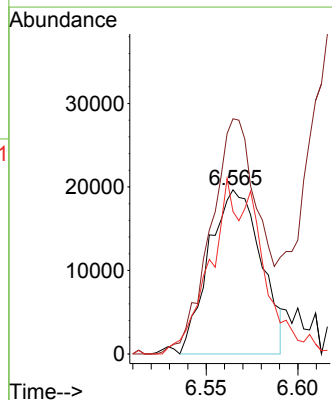
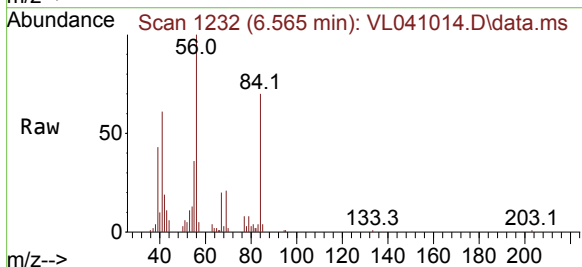
Tgt Ion: 84 Resp: 38740

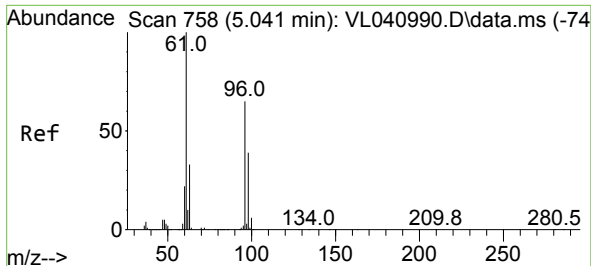
Ion Ratio Lower Upper

84 100

56 139.5 111.7 167.5

41 108.9 71.0 106.6#

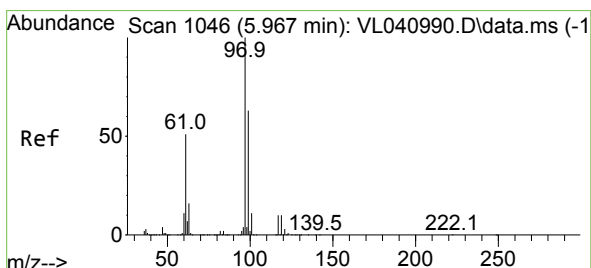
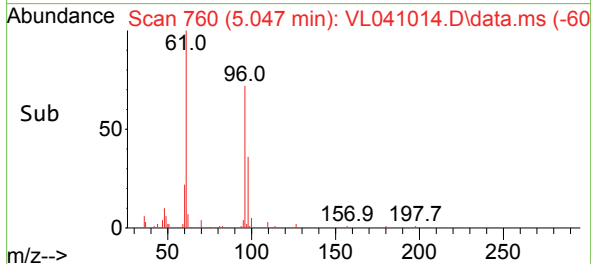
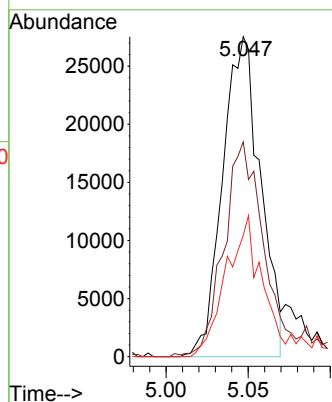
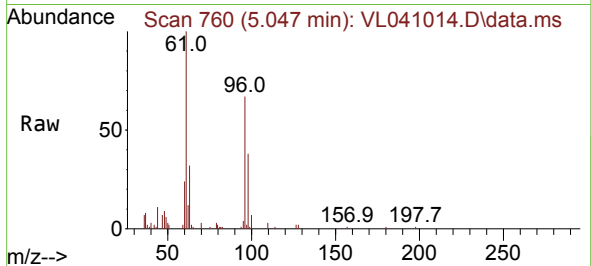




#31
 cis-1,2-Dichloroethene
 Concen: 0.449 ppbv
 RT: 5.047 min Scan# 758
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

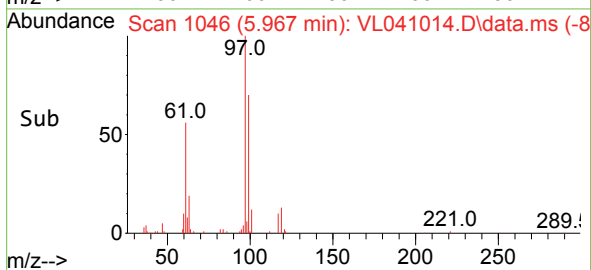
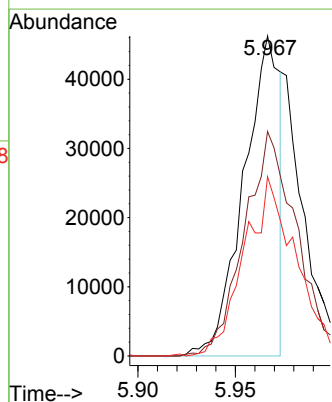
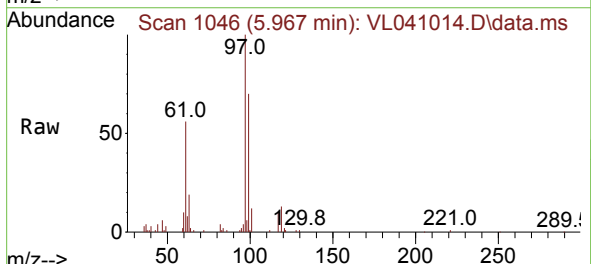
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

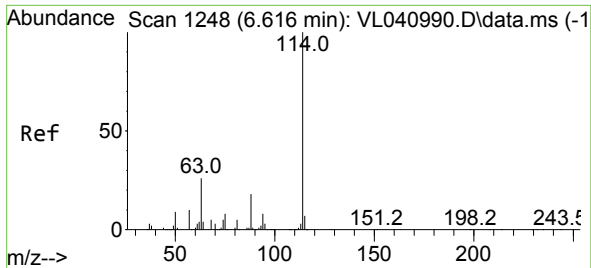
Tgt Ion: 61 Resp: 44157
 Ion Ratio Lower Upper
 61 100
 96 66.6 51.9 77.9
 98 37.9 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 0.336 ppbv
 RT: 5.967 min Scan# 1046
 Delta R.T. -0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion: 97 Resp: 59636
 Ion Ratio Lower Upper
 97 100
 99 104.7 51.5 77.3#
 61 81.5 40.3 60.5#

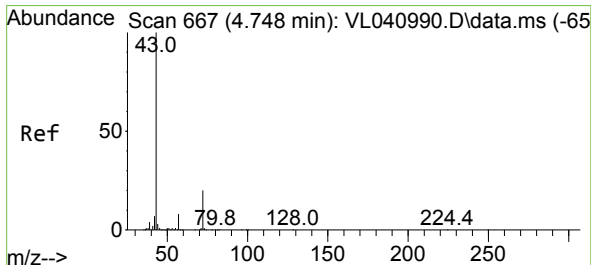
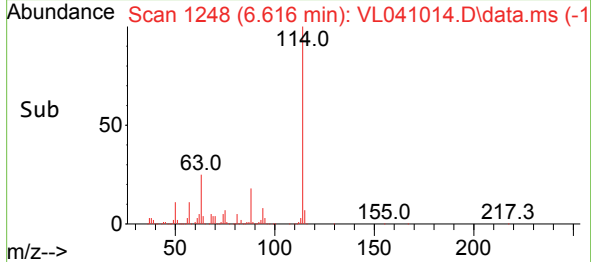
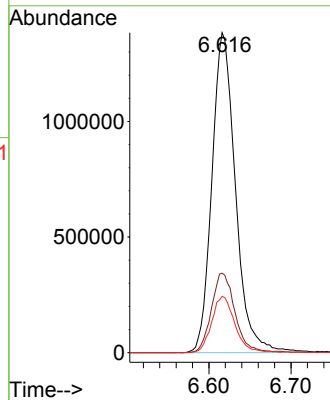
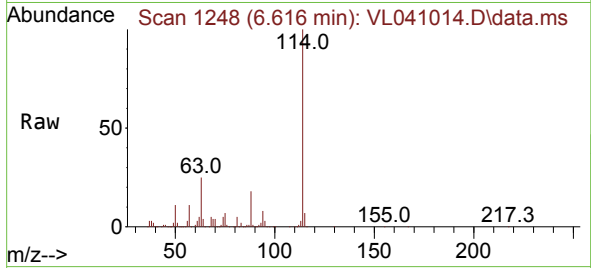




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.616 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

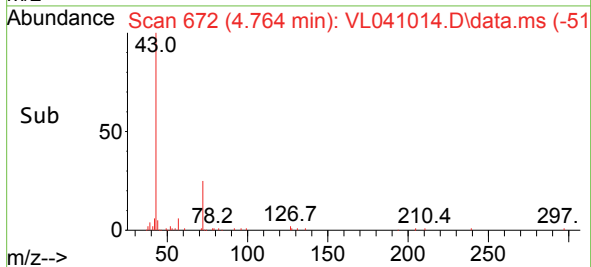
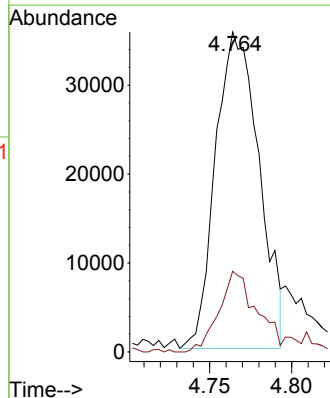
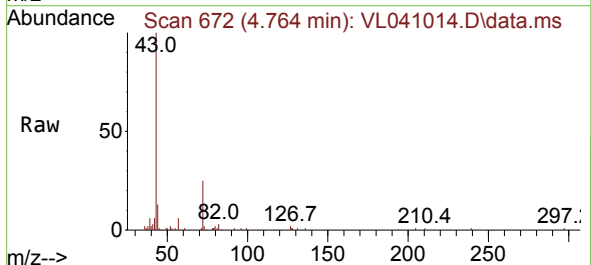
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT1-2024

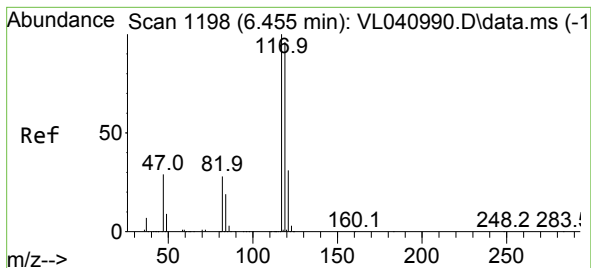
Tgt Ion:114 Resp: 2747393
Ion Ratio Lower Upper
114 100
63 25.3 20.8 31.2
88 17.5 14.3 21.5



#34
2-Butanone
Concen: 0.503 ppbv
RT: 4.764 min Scan# 672
Delta R.T. 0.013 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 43 Resp: 65788
Ion Ratio Lower Upper
43 100
72 26.4 17.5 26.3#





#35

Carbon Tetrachloride

Concen: 0.522 ppbv

RT: 6.455 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

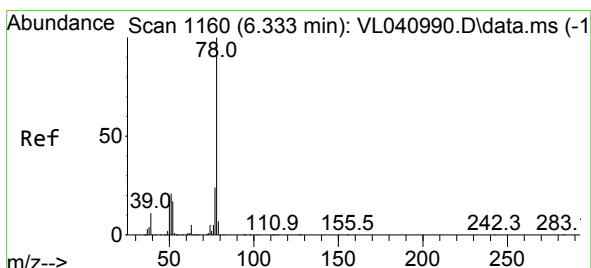
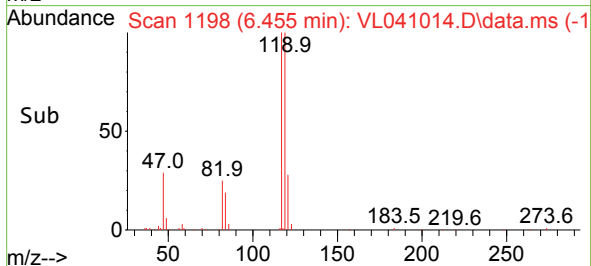
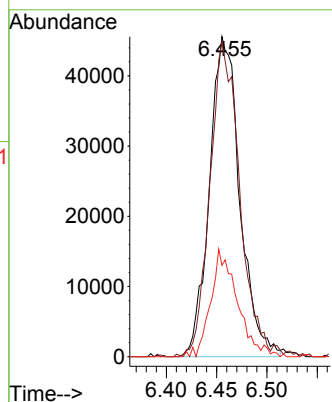
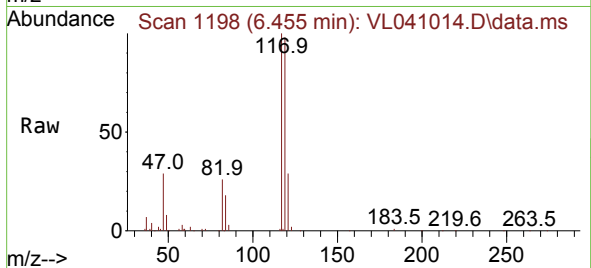
Tgt Ion:117 Resp: 95674

Ion Ratio Lower Upper

117 100

119 97.9 76.9 115.3

121 28.6 24.7 37.1



#36

Benzene

Concen: 0.520 ppbv

RT: 6.333 min Scan# 1160

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

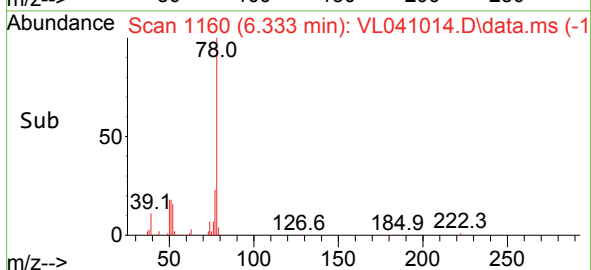
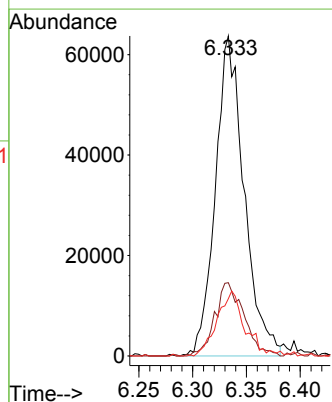
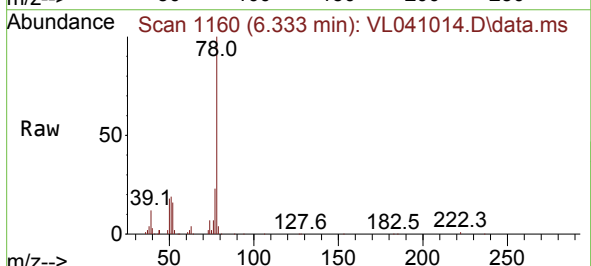
Tgt Ion: 78 Resp: 118079

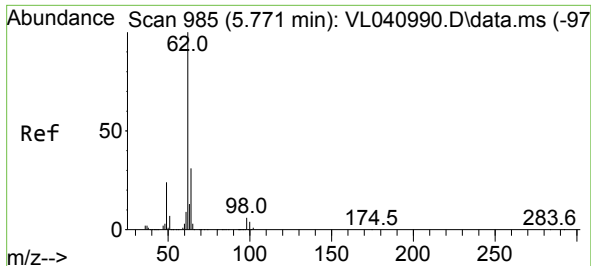
Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

50 17.9 15.8 23.6

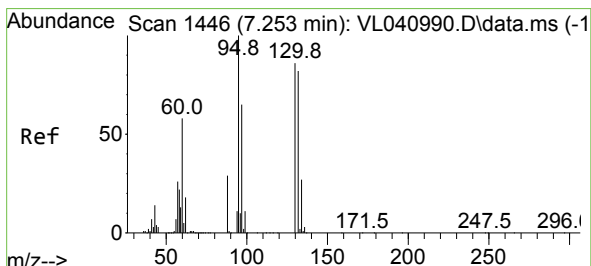
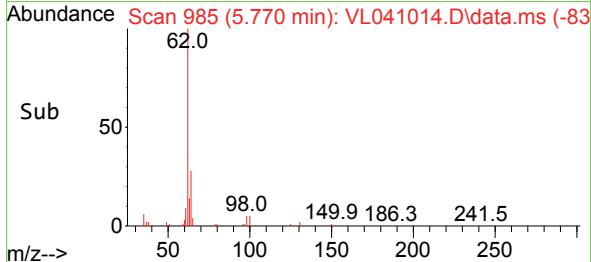
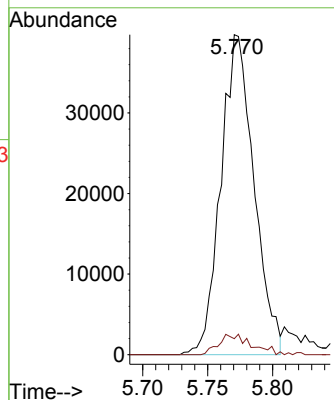
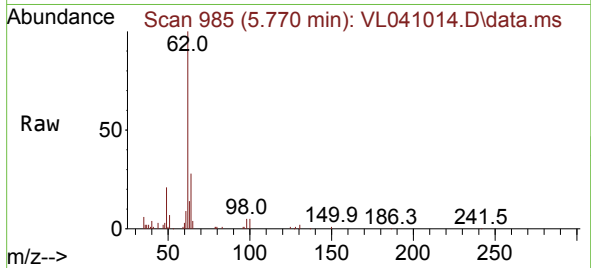




#37
1,2-Dichloroethane
Concen: 0.509 ppbv
RT: 5.770 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

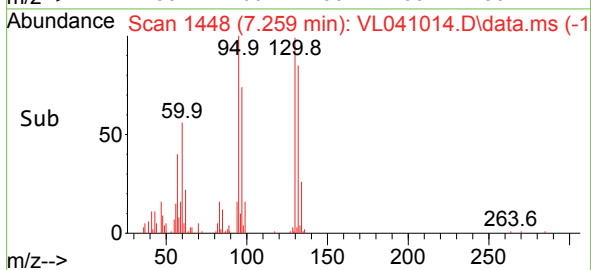
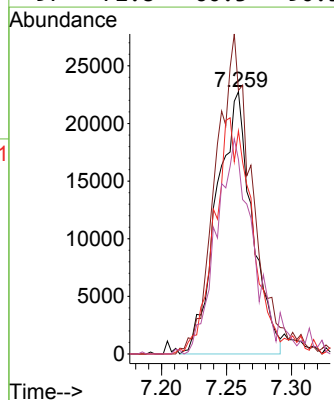
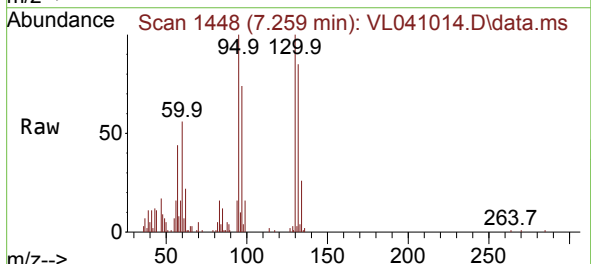
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

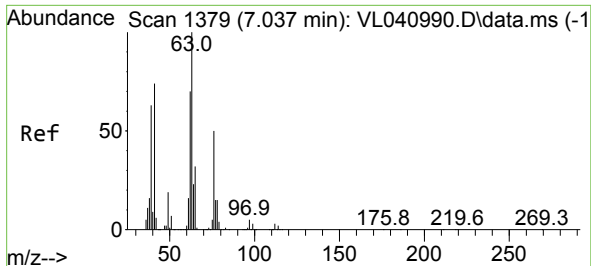
Tgt Ion: 62 Resp: 70502
Ion Ratio Lower Upper
62 100
98 6.4 4.7 7.1



#38
Trichloroethene
Concen: 0.472 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion:130 Resp: 42966
Ion Ratio Lower Upper
130 100
95 98.2 92.9 139.3
132 83.1 76.2 114.2
97 72.8 60.3 90.5





#39

1,2-Dichloropropane

Concen: 0.395 ppbv

RT: 7.037 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

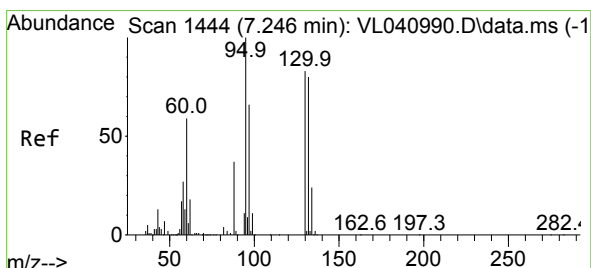
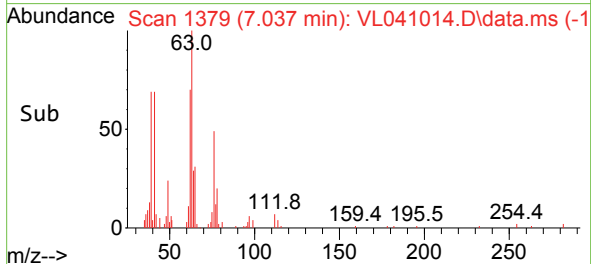
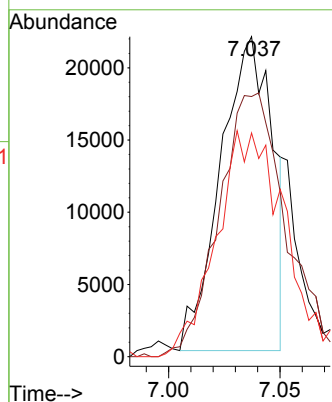
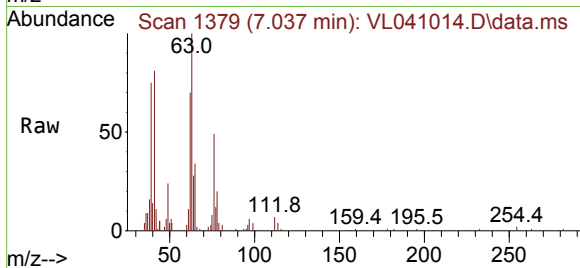
Tgt Ion: 63 Resp: 35308

Ion Ratio Lower Upper

63 100

41 79.7 59.6 89.4

62 63.8 55.6 83.4



#40

1,4-Dioxane

Concen: 0.378 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. 0.029 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Tgt Ion: 88 Resp: 14052

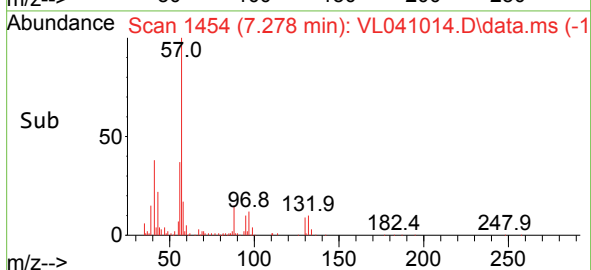
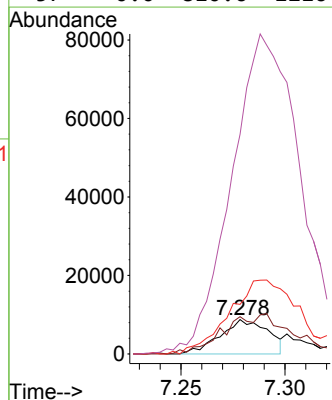
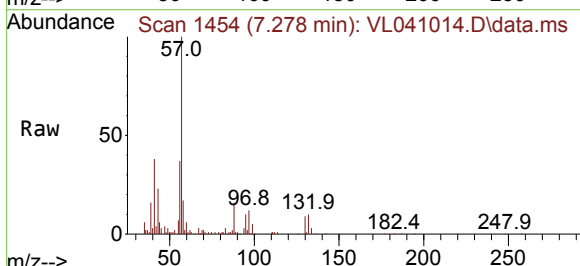
Ion Ratio Lower Upper

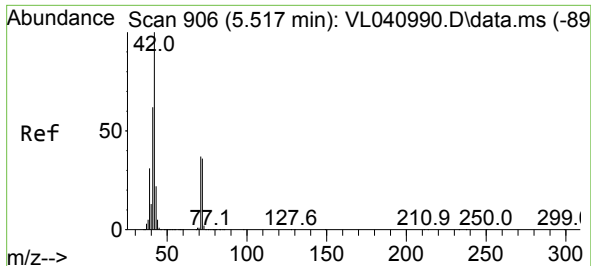
88 100

58 0.0 96.6 144.8#

43 0.0 191.0 286.6#

57 0.0 810.6 1216.0#

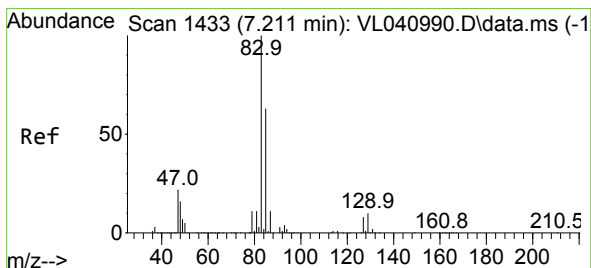
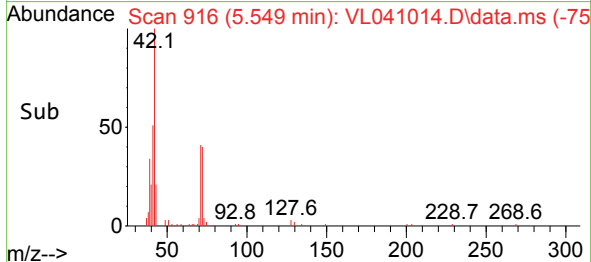
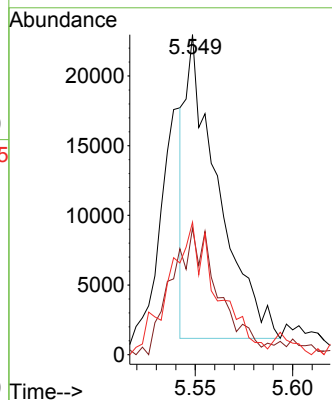
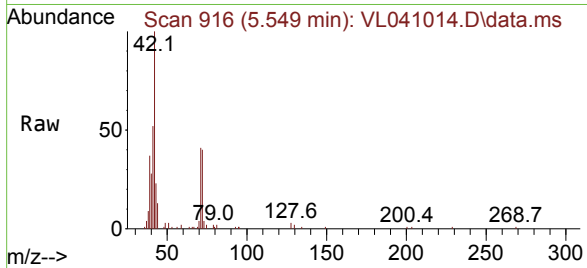




#41
Tetrahydrofuran
Concen: 0.285 ppbv
RT: 5.549 min Scan# 916
Delta R.T. 0.029 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

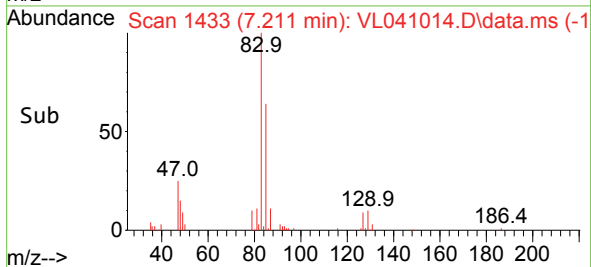
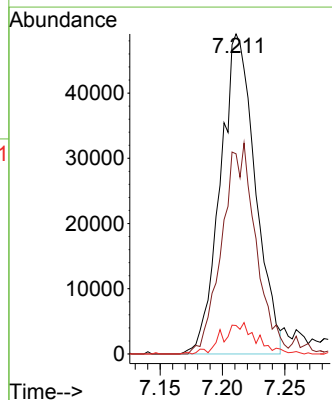
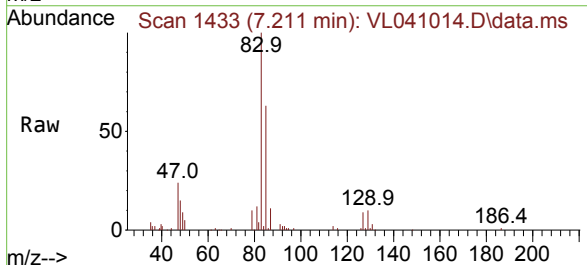
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

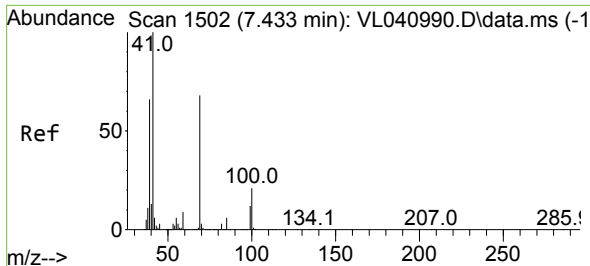
Tgt Ion: 42 Resp: 25300
Ion Ratio Lower Upper
42 100
72 68.0 30.0 45.0#
71 71.2 29.5 44.3#



#42
Bromodichloromethane
Concen: 0.484 ppbv
RT: 7.211 min Scan# 1433
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 83 Resp: 95827
Ion Ratio Lower Upper
83 100
85 62.5 50.5 75.7
127 8.9 6.4 9.6

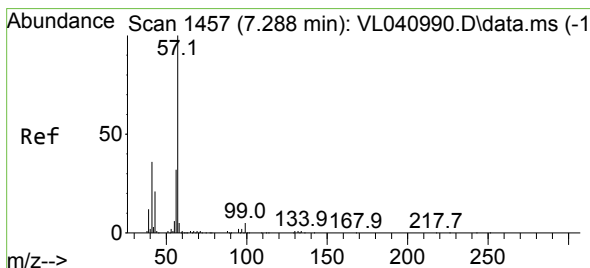
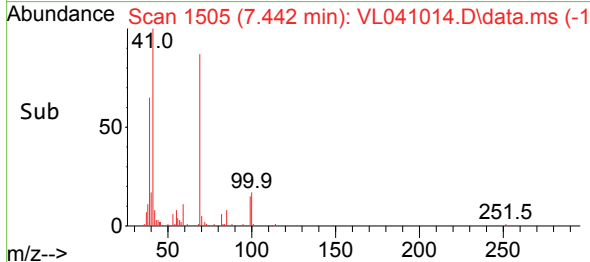
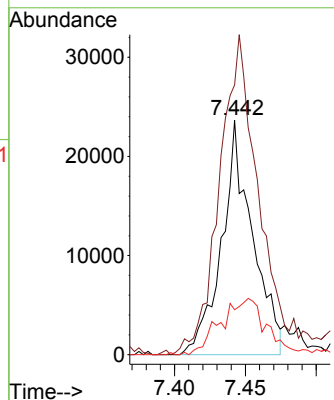
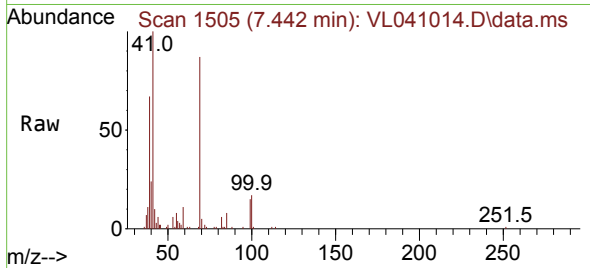




#43
Methyl Methacrylate
Concen: 0.408 ppbv
RT: 7.442 min Scan# 1505
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

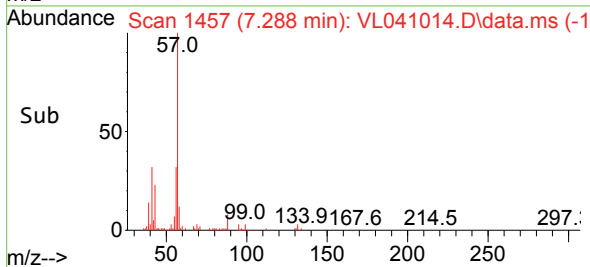
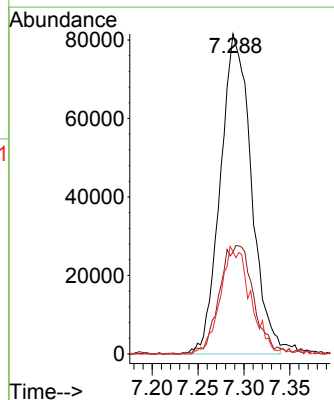
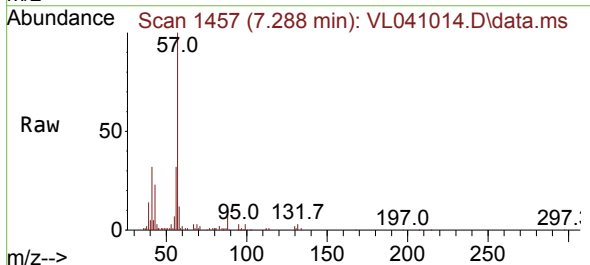
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT1-2024

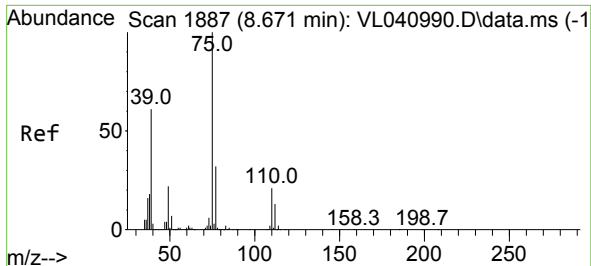
Tgt Ion: 69 Resp: 35726
Ion Ratio Lower Upper
69 100
41 175.3 120.2 180.2
100 36.0 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 0.500 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 57 Resp: 191026
Ion Ratio Lower Upper
57 100
41 38.1 28.6 43.0
56 33.5 25.2 37.8

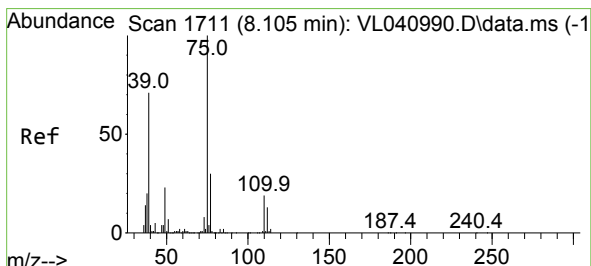
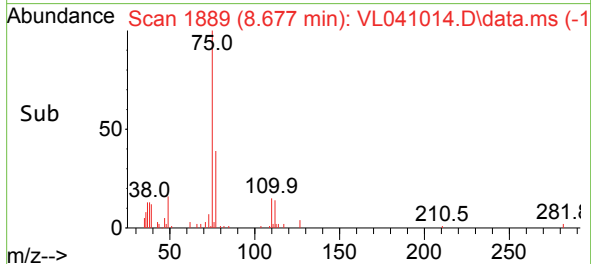
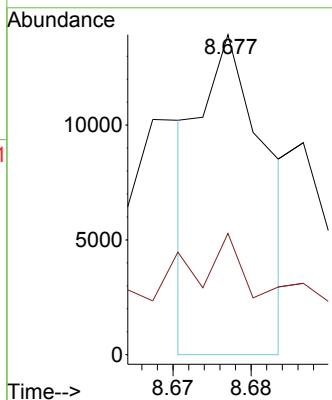
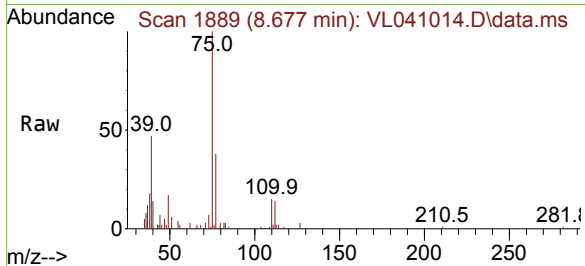




#45
 t-1,3-Dichloropropene
 Concen: 0.137 ppbv
 RT: 8.677 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

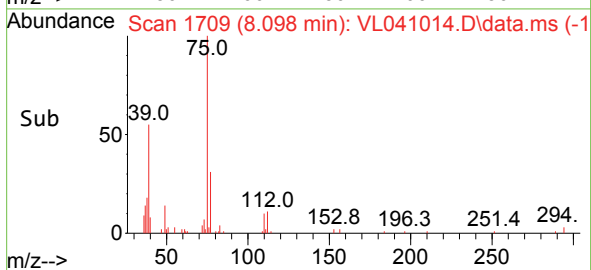
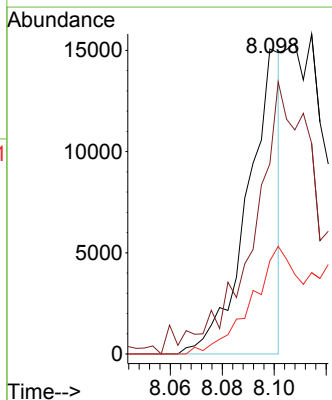
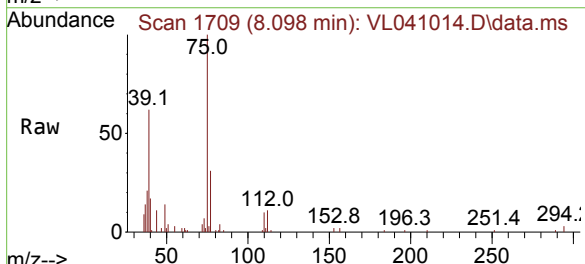
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2024

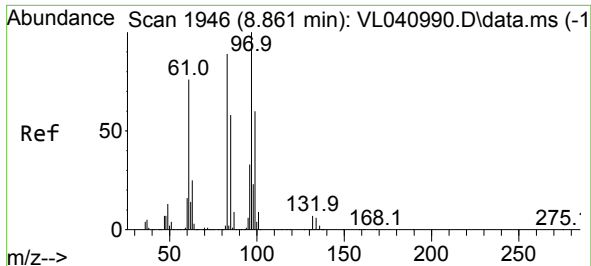
Tgt Ion: 75 Resp: 8189
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 0.178 ppbv
 RT: 8.098 min Scan# 1709
 Delta R.T. -0.007 min
 Lab File: VL041014.D
 Acq: 24 Jan 2024 13:53

Tgt Ion: 75 Resp: 13273
 Ion Ratio Lower Upper
 75 100
 39 59.6 57.3 85.9
 77 30.5 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 0.494 ppbv

RT: 8.860 min Scan# 1946

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

Tgt Ion: 97 Resp: 47580

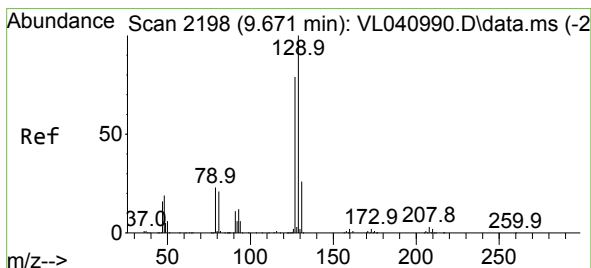
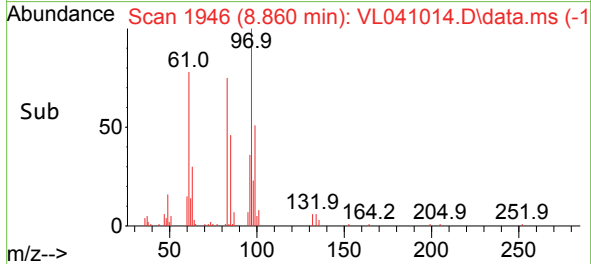
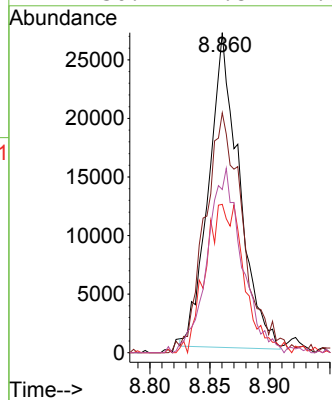
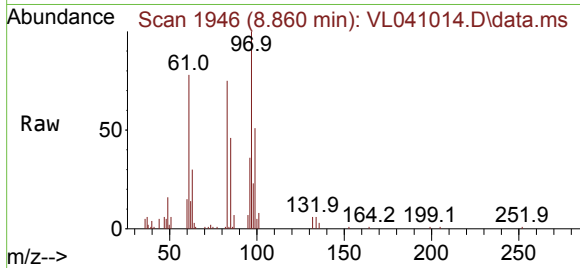
Ion Ratio Lower Upper

97 100

83 74.4 71.5 107.3

85 45.8 46.1 69.1#

99 50.1 47.8 71.8



#48

Dibromochloromethane

Concen: 0.318 ppbv

RT: 9.674 min Scan# 2199

Delta R.T. 0.003 min

Lab File: VL041014.D

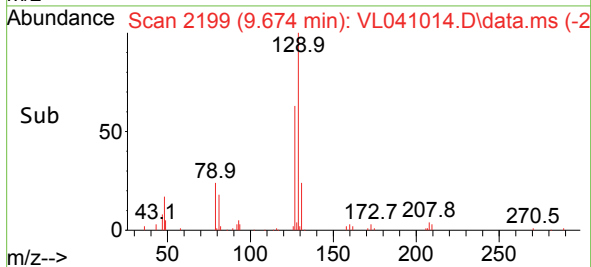
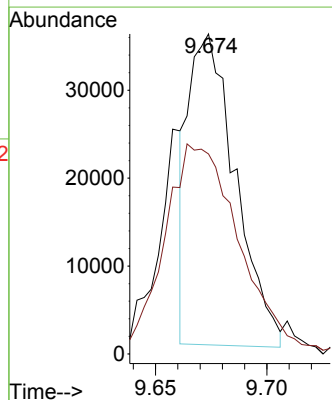
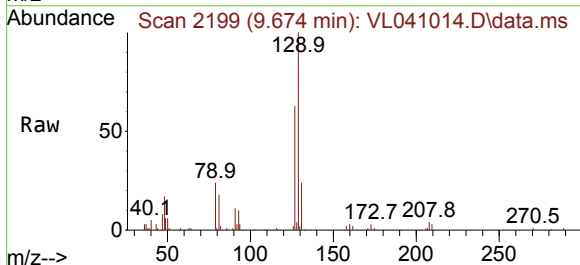
Acq: 24 Jan 2024 13:53

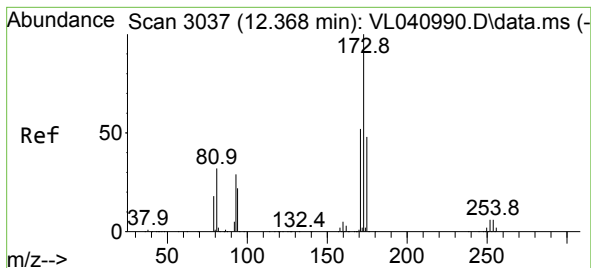
Tgt Ion: 129 Resp: 51825

Ion Ratio Lower Upper

129 100

127 0.0 39.6 119.0#





#49

Bromoform

Concen: 0.425 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

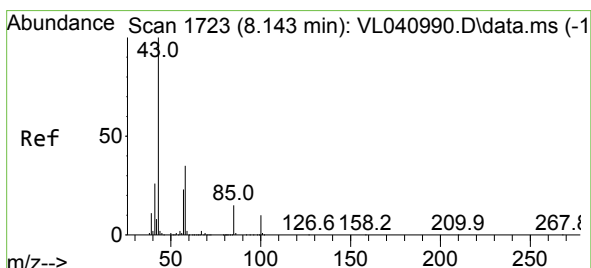
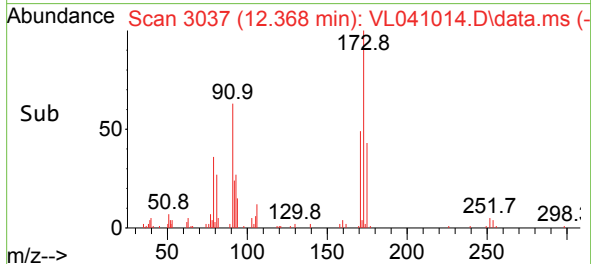
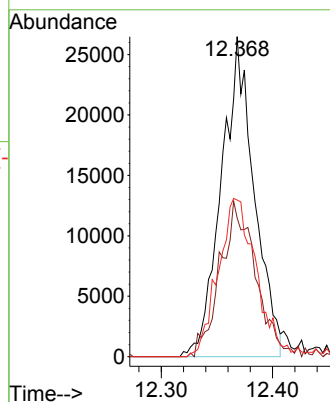
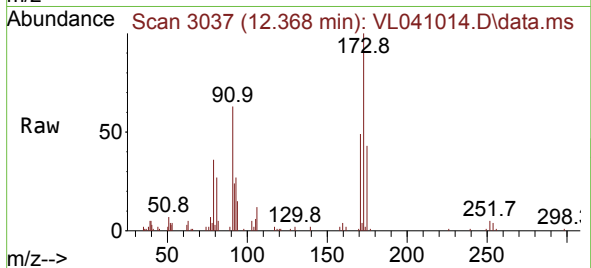
Tgt Ion:173 Resp: 54299

Ion Ratio Lower Upper

173 100

175 52.3 39.0 58.4

171 57.2 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 0.222 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.016 min

Lab File: VL041014.D

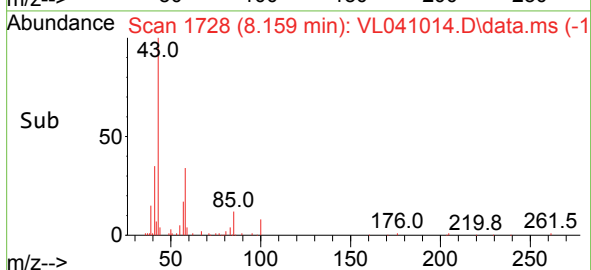
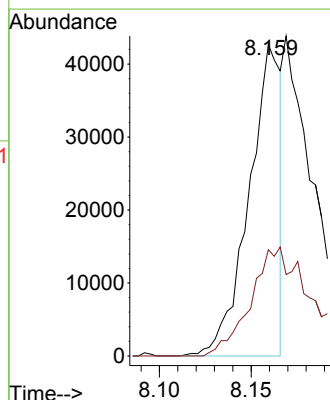
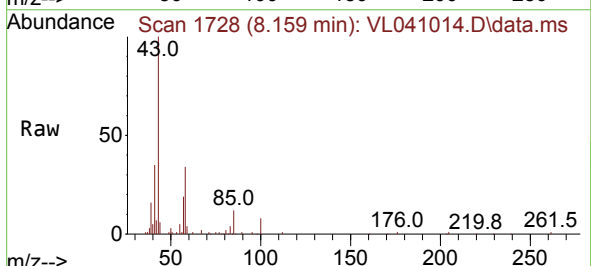
Acq: 24 Jan 2024 13:53

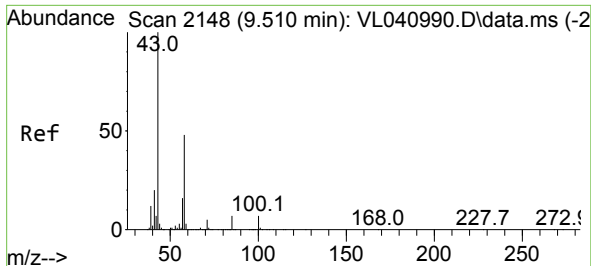
Tgt Ion: 43 Resp: 51208

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8

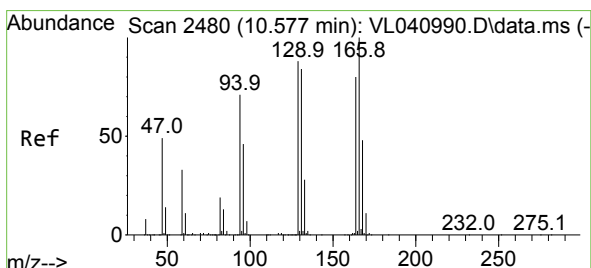
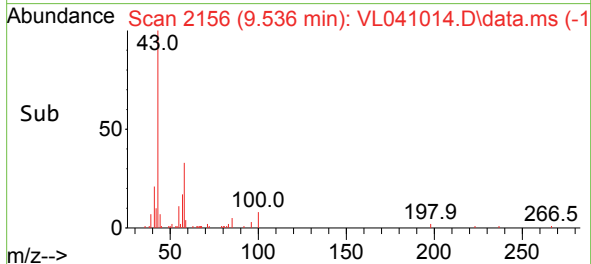
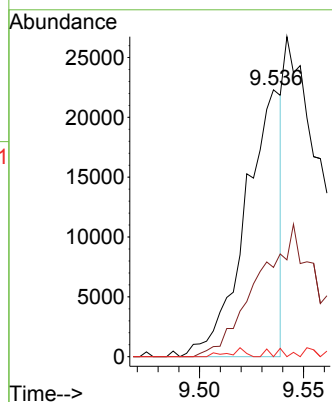
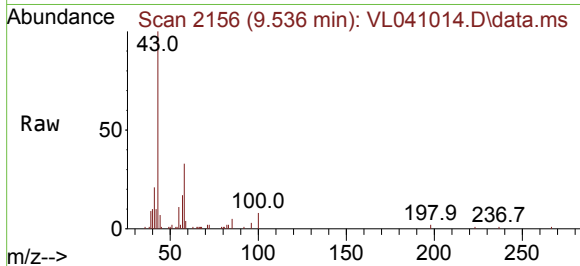




#51
2-Hexanone
Concen: 0.163 ppbv
RT: 9.536 min Scan# 2148
Delta R.T. 0.022 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

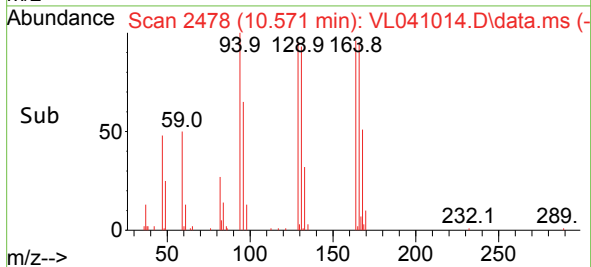
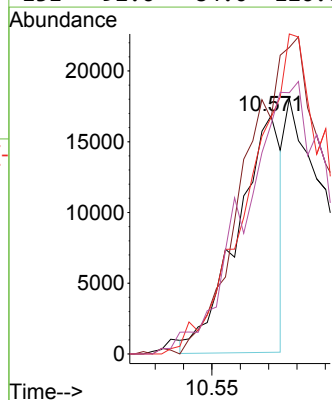
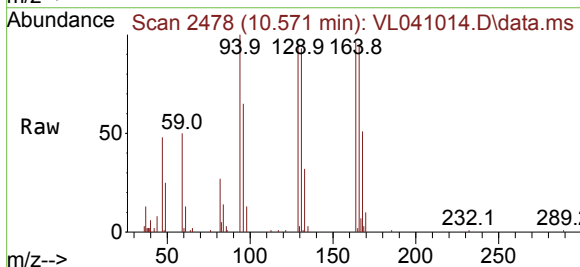
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

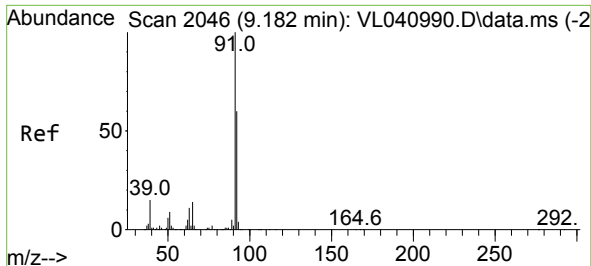
Tgt Ion: 43 Resp: 27144
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2#
98 2.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.239 ppbv
RT: 10.571 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 164 Resp: 17987
Ion Ratio Lower Upper
164 100
166 104.8 100.2 150.2
129 102.0 87.9 131.9
131 92.6 84.0 126.0

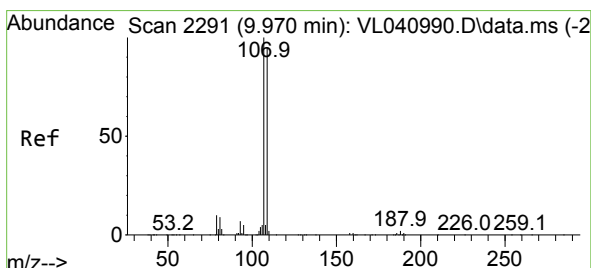
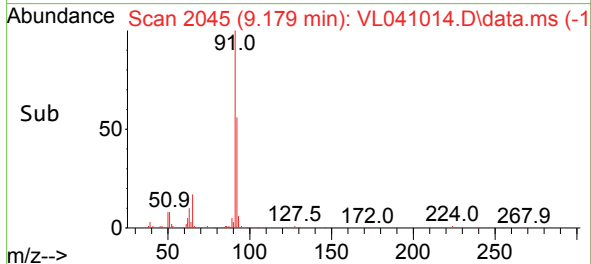
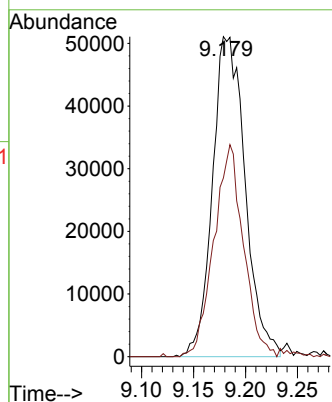
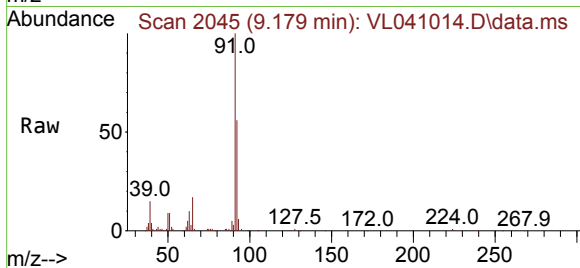




#53
Toluene
Concen: 0.448 ppbv
RT: 9.179 min Scan# 2045
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

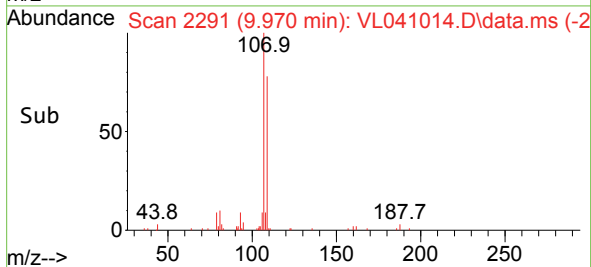
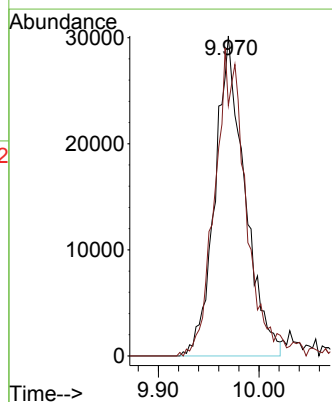
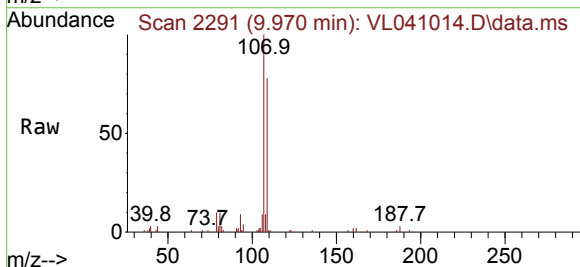
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

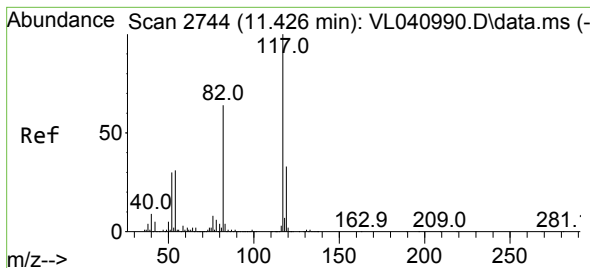
Tgt Ion: 91 Resp: 111433
Ion Ratio Lower Upper
91 100
92 61.1 48.6 72.8



#54
1,2-Dibromoethane
Concen: 0.475 ppbv
RT: 9.970 min Scan# 2291
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 107 Resp: 62025
Ion Ratio Lower Upper
107 100
109 77.2 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.426 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

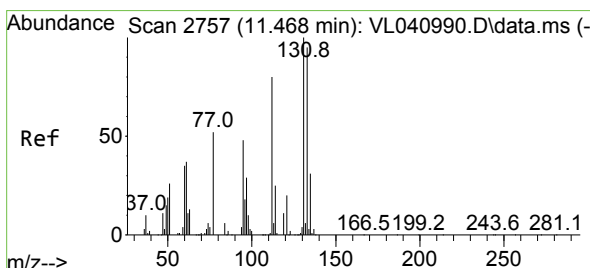
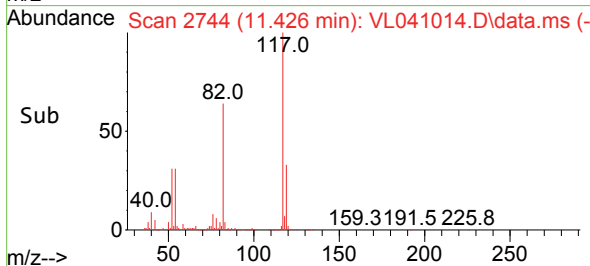
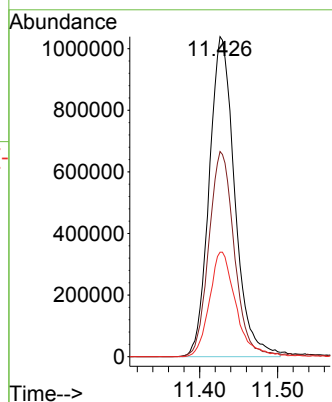
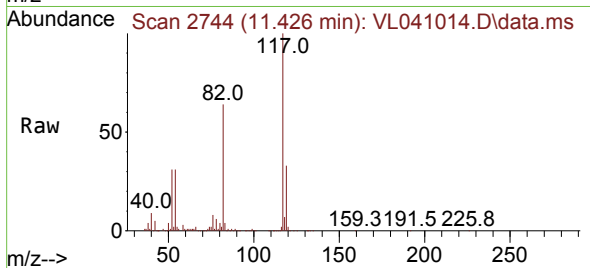
Tgt Ion:117 Resp: 2365328

Ion Ratio Lower Upper

117 100

82 64.9 51.7 77.5

119 34.3 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.538 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

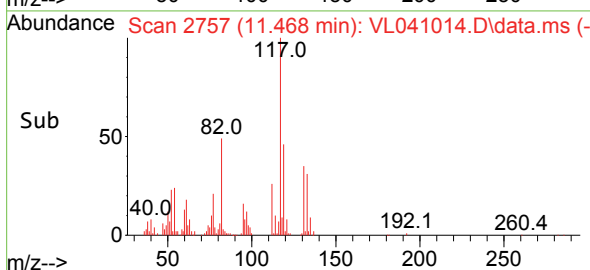
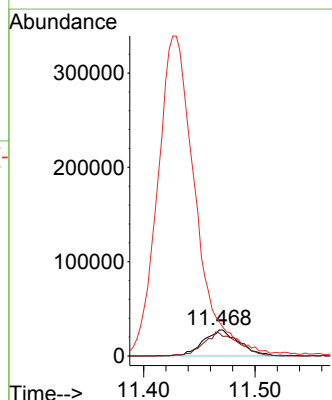
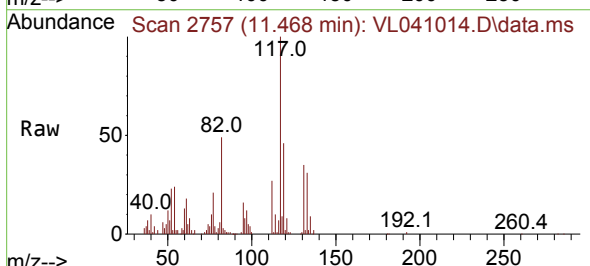
Tgt Ion:131 Resp: 61092

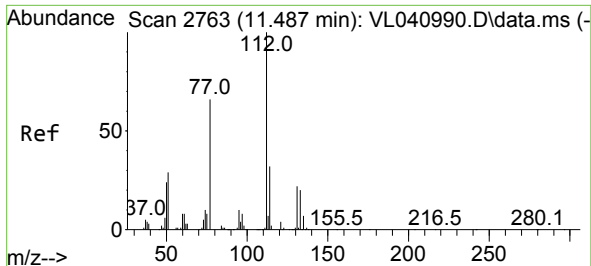
Ion Ratio Lower Upper

131 100

133 89.9 75.9 113.9

119 1328.5 49.2 73.8#

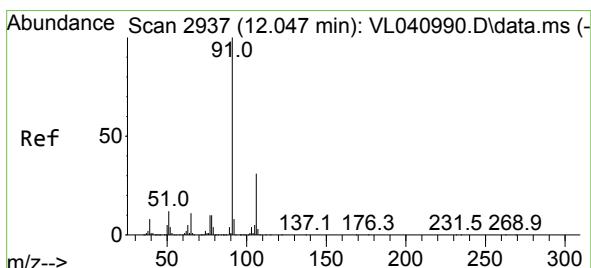
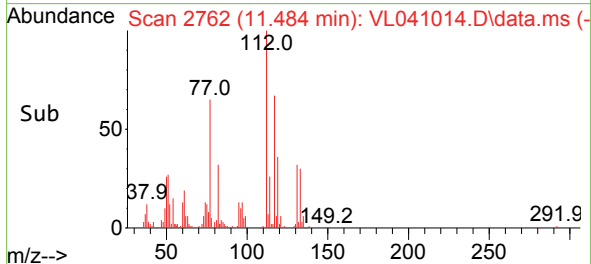
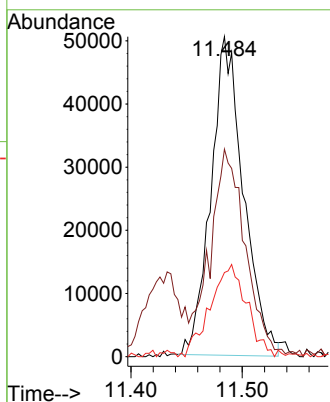
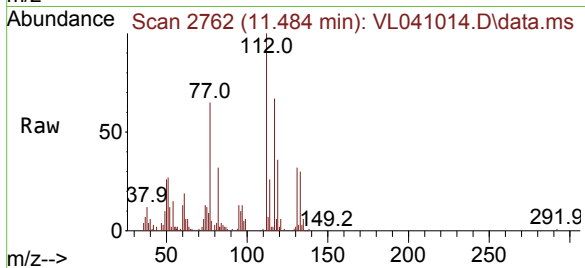




#57
Chlorobenzene
Concen: 0.539 ppbv
RT: 11.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

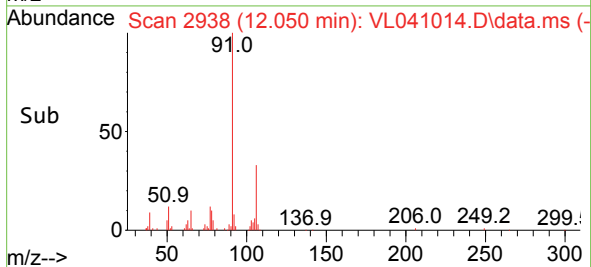
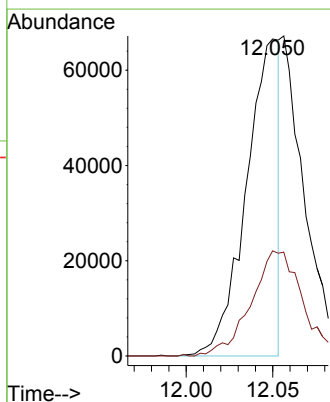
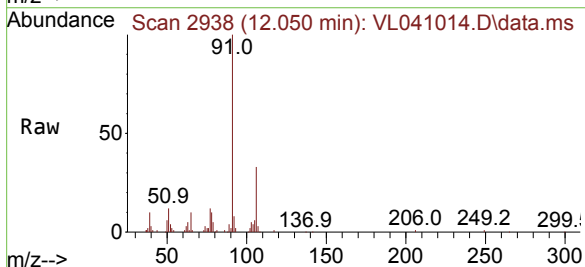
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

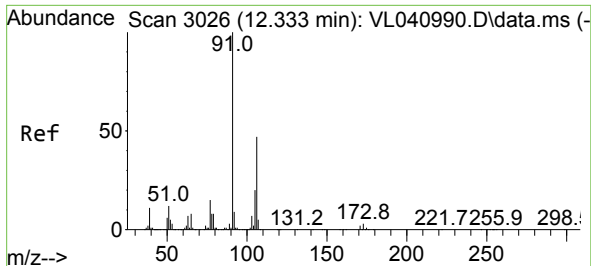
Tgt Ion:112 Resp: 102569
Ion Ratio Lower Upper
112 100
77 67.2 53.4 80.0
114 26.5 29.1 35.5#



#58
Ethyl Benzene
Concen: 0.277 ppbv
RT: 12.050 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 91 Resp: 88082
Ion Ratio Lower Upper
91 100
106 33.1 24.8 37.2





#59

m/p-Xylene

Concen: 0.177 ppbv

RT: 12.330 min Scan# 3026

Delta R.T. -0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

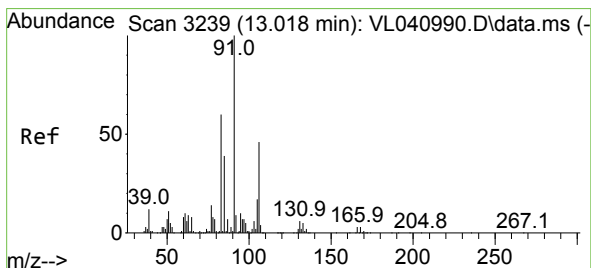
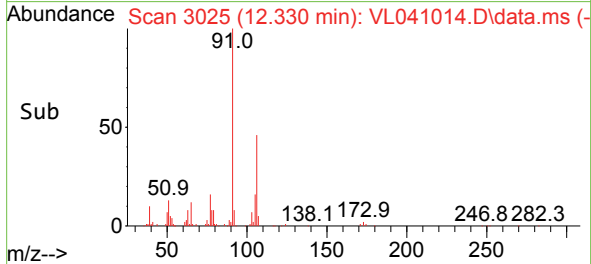
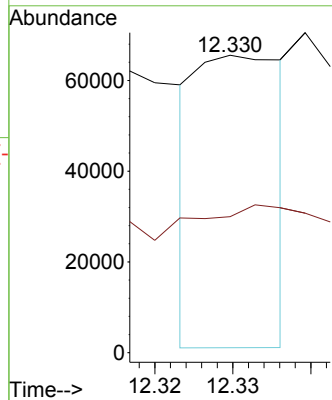
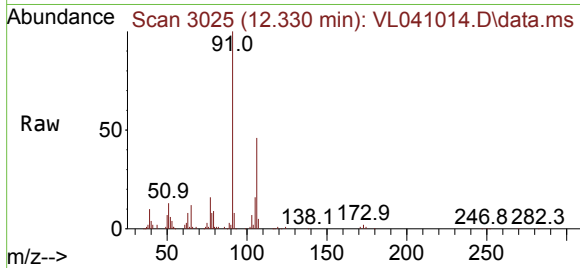
LOQ-AIR-02-QT1-2024

Tgt Ion: 91 Resp: 49022

Ion Ratio Lower Upper

91 100

106 241.9 34.9 52.3#



#60

o-Xylene

Concen: 0.488 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. -0.000 min

Lab File: VL041014.D

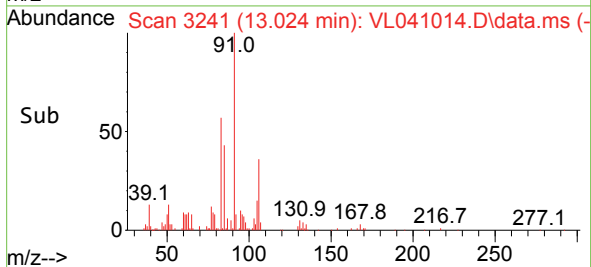
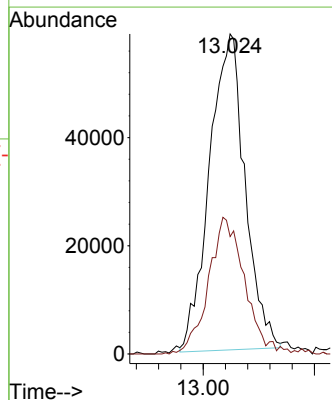
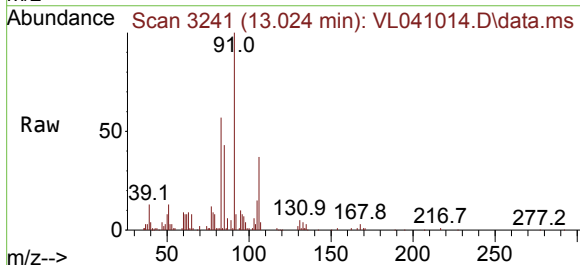
Acq: 24 Jan 2024 13:53

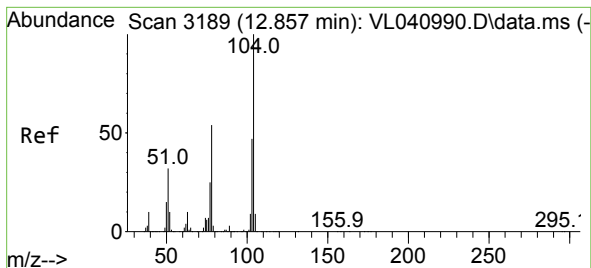
Tgt Ion: 91 Resp: 129689

Ion Ratio Lower Upper

91 100

106 44.5 22.6 67.7





#61

Styrene

Concen: 0.161 ppbv

RT: 12.854 min Scan# 3189

Delta R.T. -0.007 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

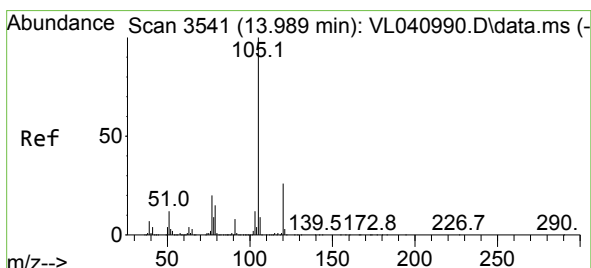
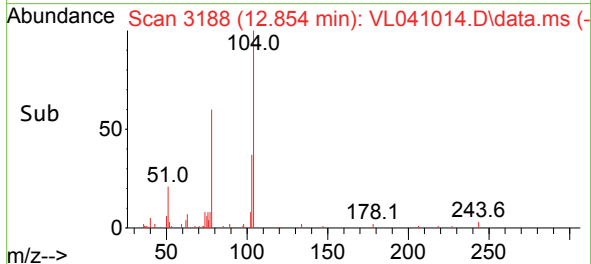
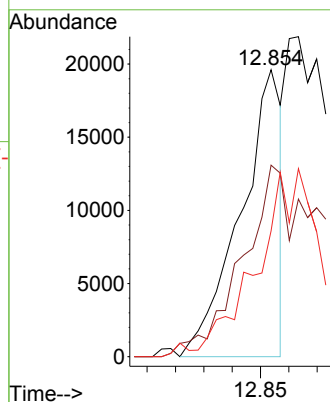
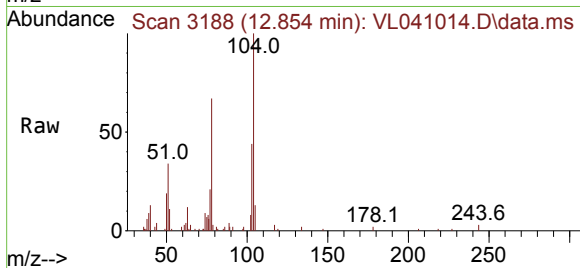
Tgt Ion:104 Resp: 19688

Ion Ratio Lower Upper

104 100

78 150.6 42.7 64.1#

103 0.0 37.6 56.4#



#62

Isopropylbenzene

Concen: 0.529 ppbv

RT: 13.992 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041014.D

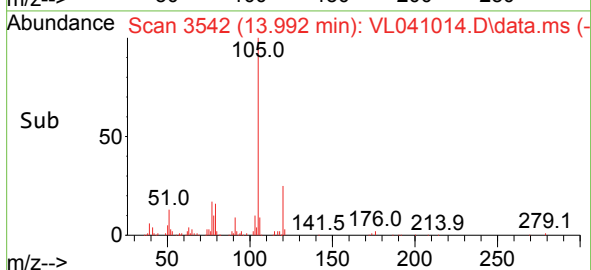
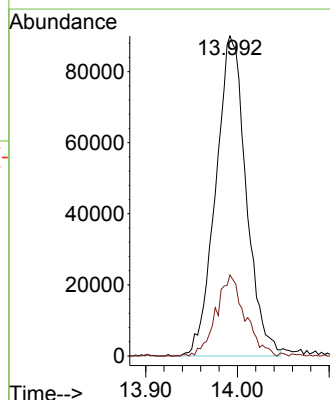
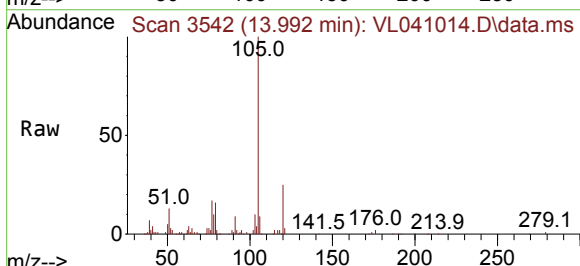
Acq: 24 Jan 2024 13:53

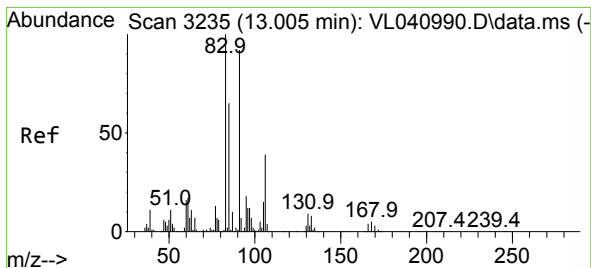
Tgt Ion:105 Resp: 207828

Ion Ratio Lower Upper

105 100

120 24.3 20.9 31.3

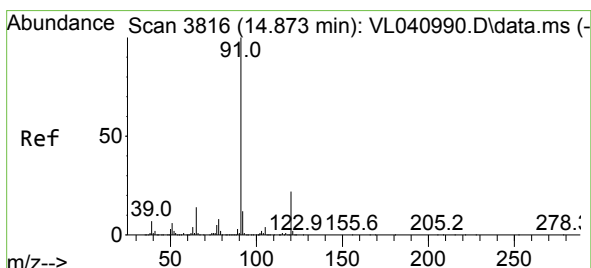
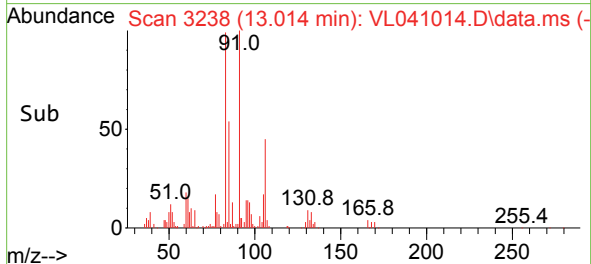
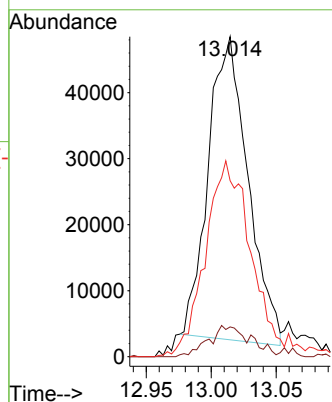
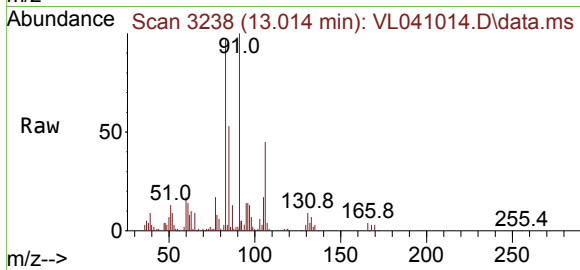




#63
1,1,2,2-Tetrachloroethane
Concen: 0.471 ppbv
RT: 13.014 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

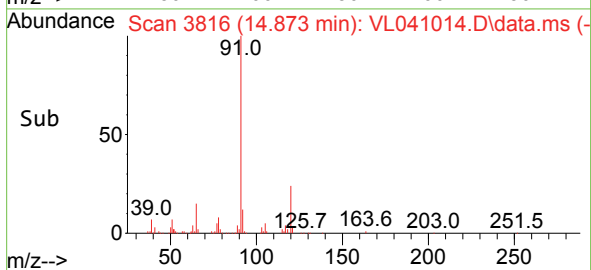
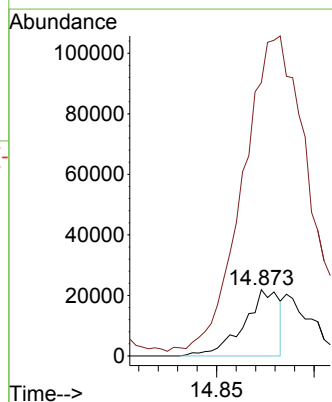
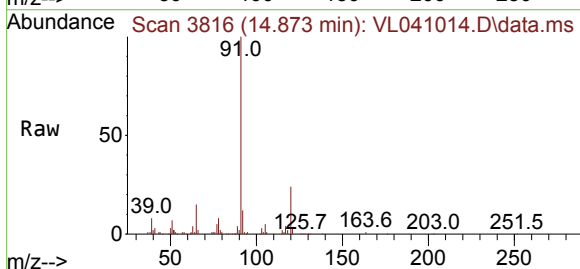
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

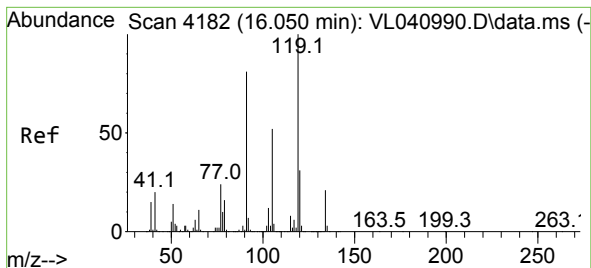
Tgt Ion: 83 Resp: 97317
Ion Ratio Lower Upper
83 100
131 11.9 4.6 13.8
85 77.9 33.0 99.0



#64
n-propylbenzene
Concen: 0.280 ppbv
RT: 14.873 min Scan# 3816
Delta R.T. -0.007 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 120 Resp: 27765
Ion Ratio Lower Upper
120 100
91 556.1 390.6 585.8





#65

tert-Butylbenzene

Concen: 0.455 ppbv

RT: 16.059 min Scan# 4182

Delta R.T. 0.006 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

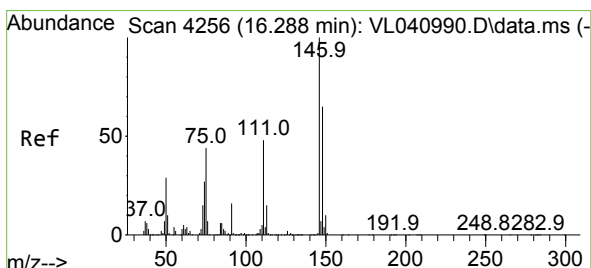
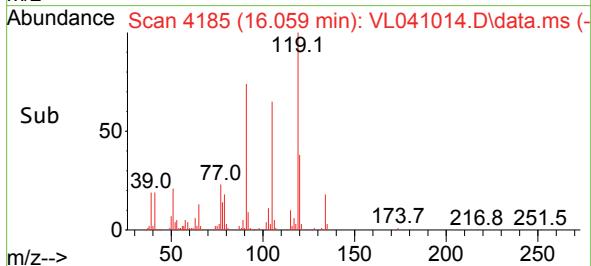
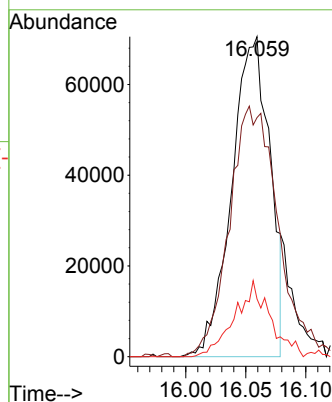
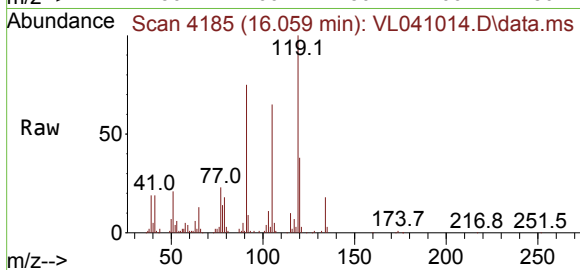
Tgt Ion:119 Resp: 156191

Ion Ratio Lower Upper

119 100

91 100.8 67.6 101.4

134 22.5 16.1 24.1



#66

Benzyl Chloride

Concen: 0.176 ppbv

RT: 16.288 min Scan# 4256

Delta R.T. -0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

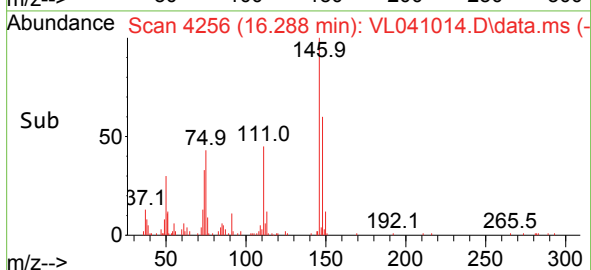
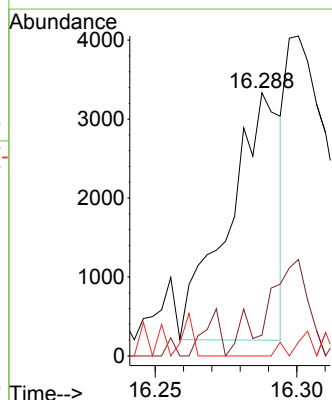
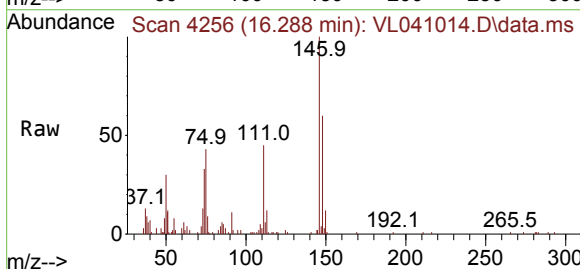
Tgt Ion: 91 Resp: 3962

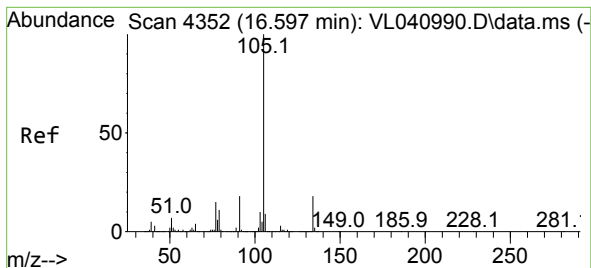
Ion Ratio Lower Upper

91 100

126 0.0 13.6 20.4#

128 7.4 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.276 ppbv

RT: 16.596 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

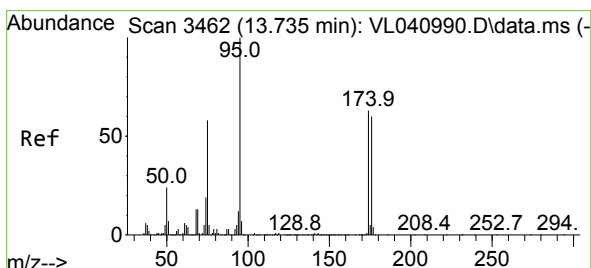
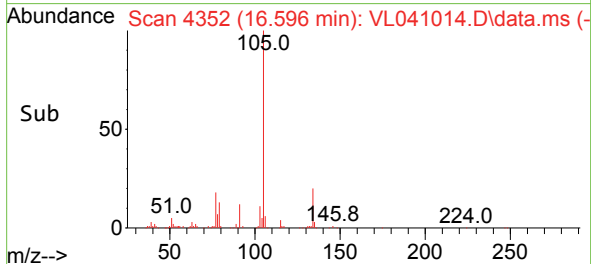
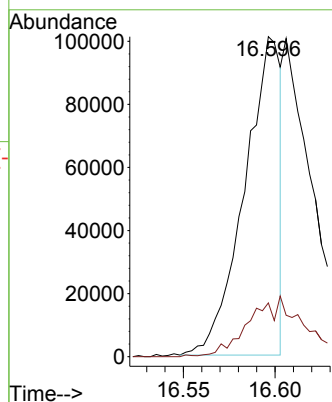
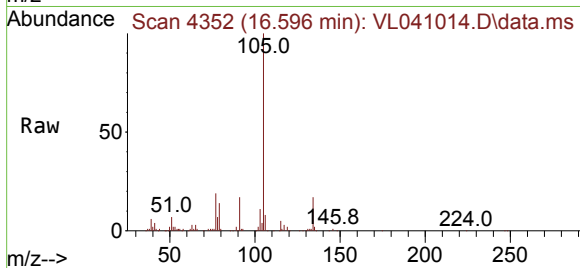
LOQ-AIR-02-QT1-2024

Tgt Ion:105 Resp: 137747

Ion Ratio Lower Upper

105 100

134 0.0 14.2 21.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.039 ppbv

RT: 13.738 min Scan# 3463

Delta R.T. -0.000 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

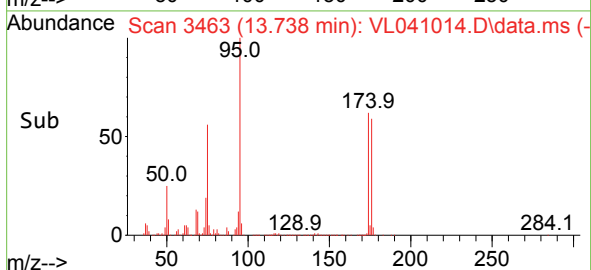
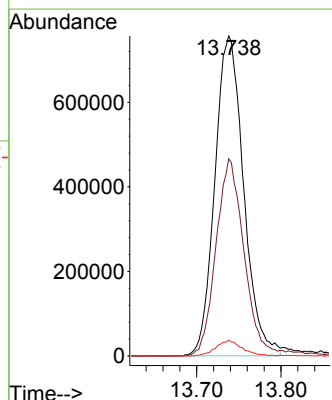
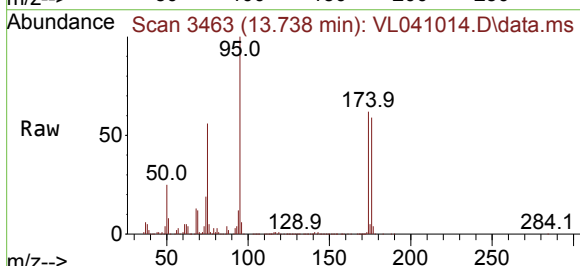
Tgt Ion: 95 Resp: 1793525

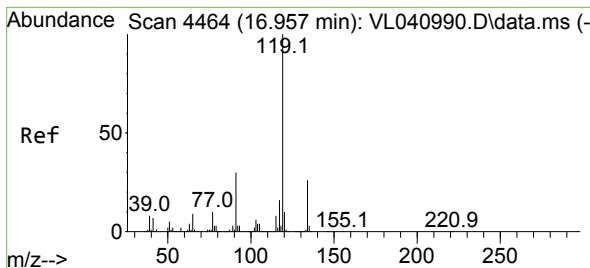
Ion Ratio Lower Upper

95 100

174 61.8 49.1 73.7

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.494 ppbv

RT: 16.960 min Scan# 4465

Delta R.T. 0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

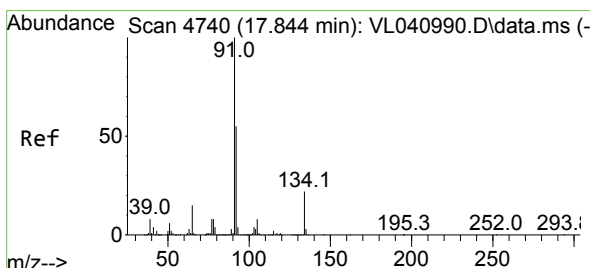
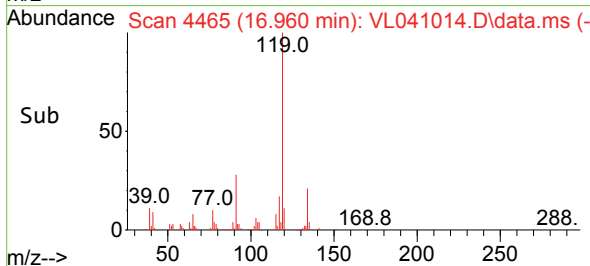
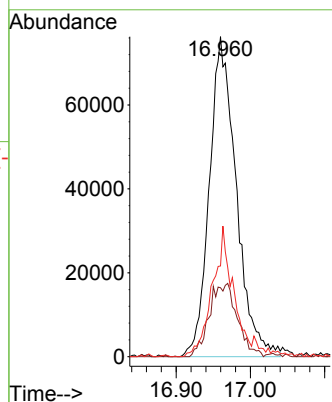
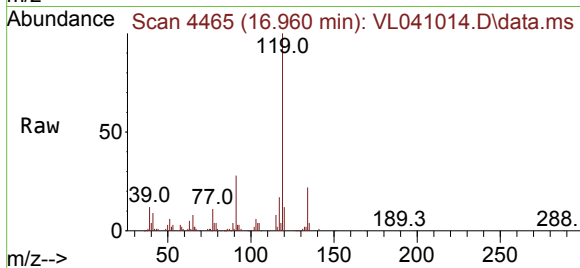
Tgt Ion:119 Resp: 191413

Ion Ratio Lower Upper

119 100

134 24.5 20.6 30.8

91 34.1 24.5 36.7



#70

n-Butylbenzene

Concen: 0.473 ppbv

RT: 17.854 min Scan# 4743

Delta R.T. 0.006 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

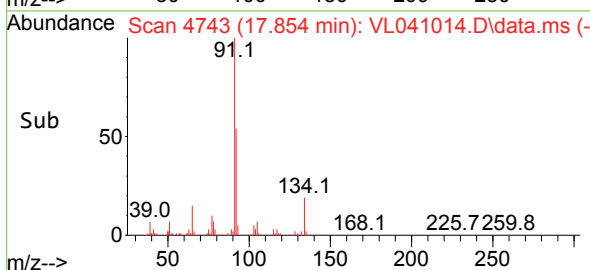
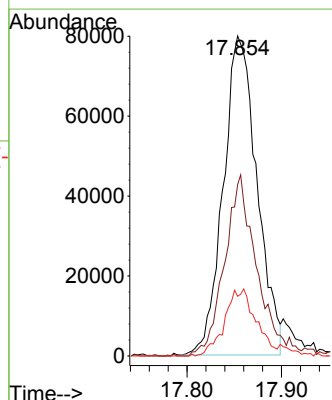
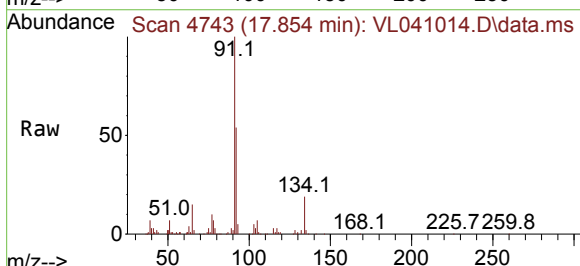
Tgt Ion: 91 Resp: 198037

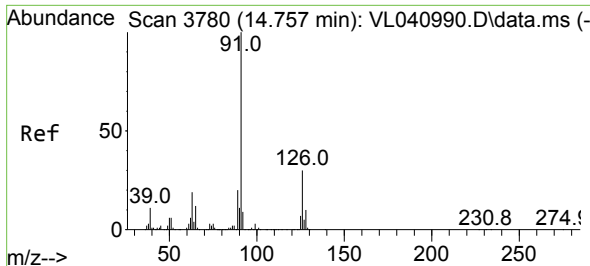
Ion Ratio Lower Upper

91 100

92 55.6 43.4 65.0

134 21.2 17.4 26.0

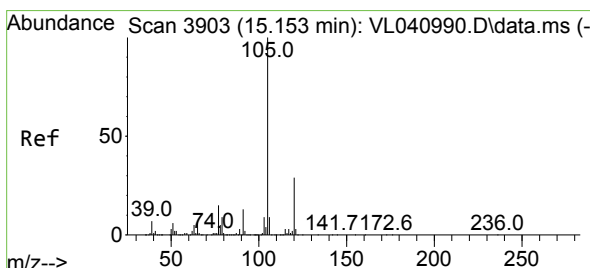
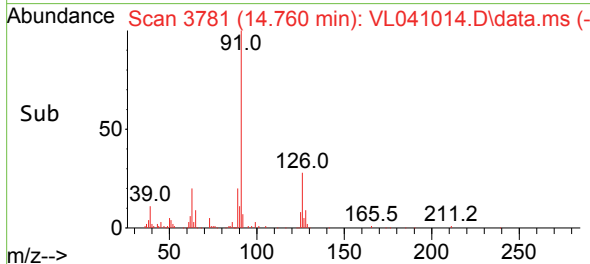
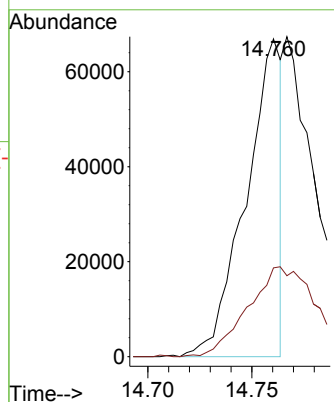
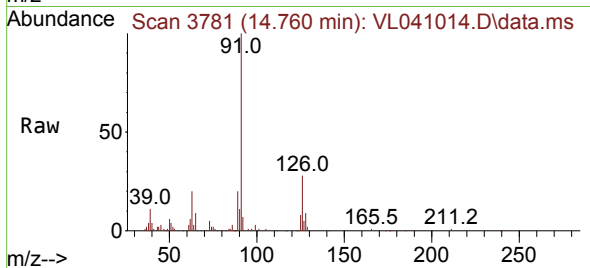




#71
2-Chlorotoluene
Concen: 0.261 ppbv
RT: 14.760 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

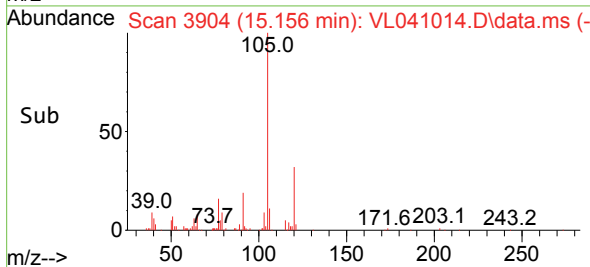
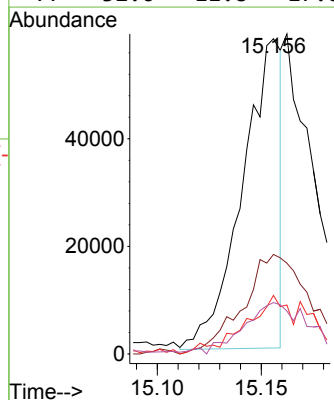
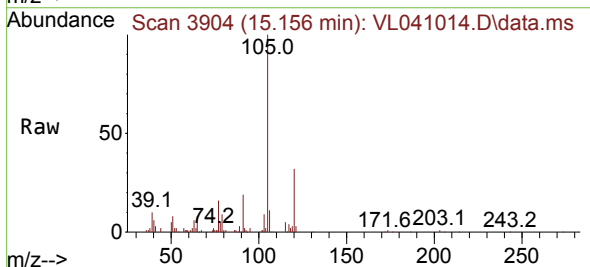
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

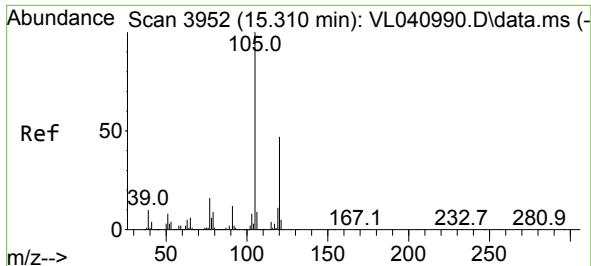
Tgt Ion: 91 Resp: 79183
Ion Ratio Lower Upper
91 100
126 0.0 12.3 49.1#



#72
4-Ethyltoluene
Concen: 0.252 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion: 105 Resp: 74860
Ion Ratio Lower Upper
105 100
120 59.3 24.3 36.5#
91 32.1 11.0 16.4#
77 32.6 11.8 17.8#

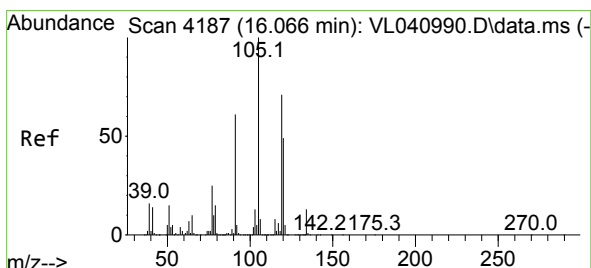
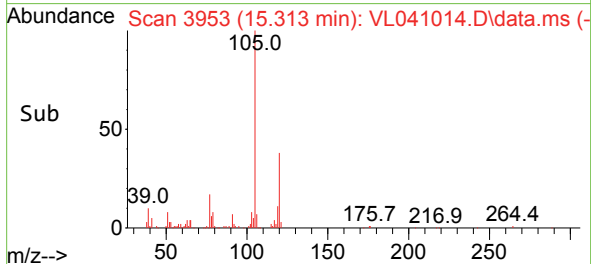
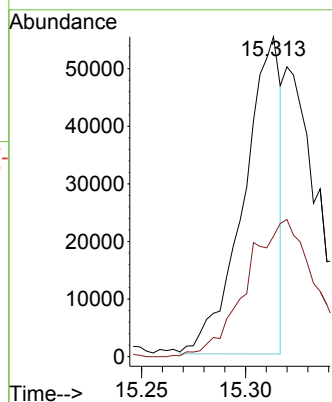
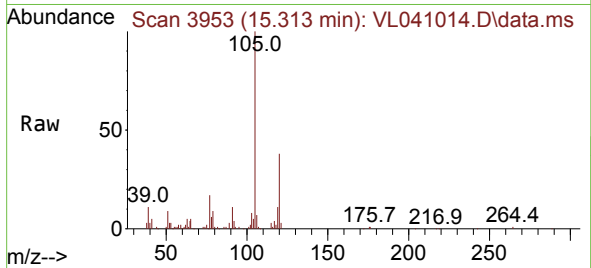




#73
1,3,5-Trimethylbenzene
Concen: 0.259 ppbv
RT: 15.313 min Scan# 3953
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

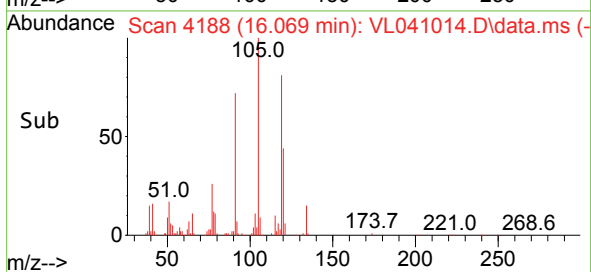
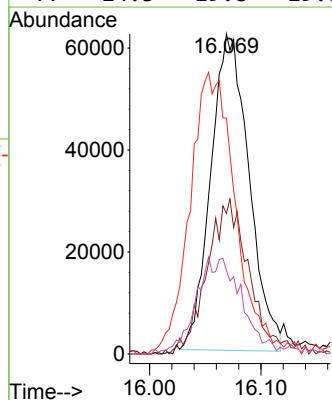
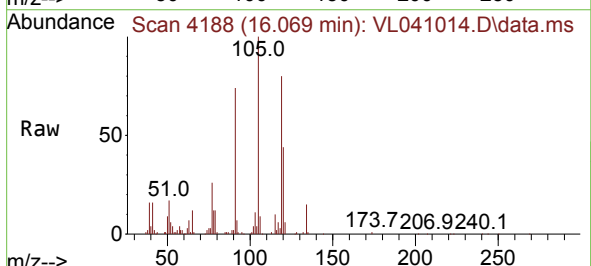
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

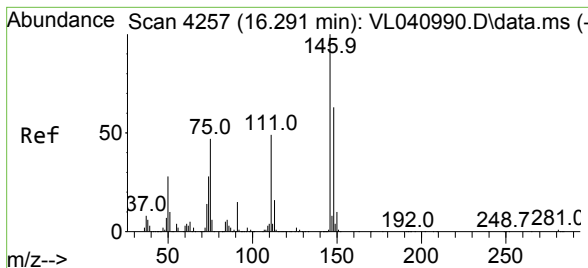
Tgt Ion:105 Resp: 68143
Ion Ratio Lower Upper
105 100
120 37.9 37.2 55.8



#74
1,2,4-Trimethylbenzene
Concen: 0.495 ppbv
RT: 16.069 min Scan# 4188
Delta R.T. -0.000 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion:105 Resp: 147920
Ion Ratio Lower Upper
105 100
120 40.6 39.3 58.9
91 69.9 48.7 73.1
77 24.3 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 0.511 ppbv

RT: 16.294 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

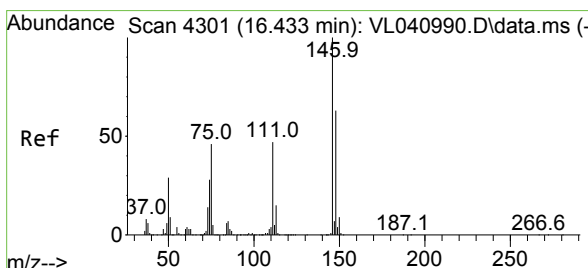
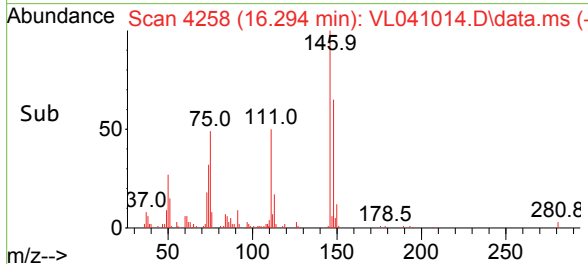
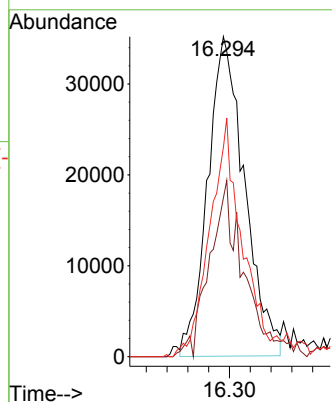
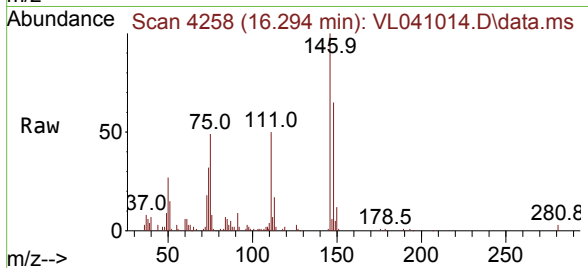
Tgt Ion:146 Resp: 86776

Ion Ratio Lower Upper

146 100

111 51.7 24.4 73.2

148 69.3 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 0.523 ppbv

RT: 16.442 min Scan# 4304

Delta R.T. 0.009 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

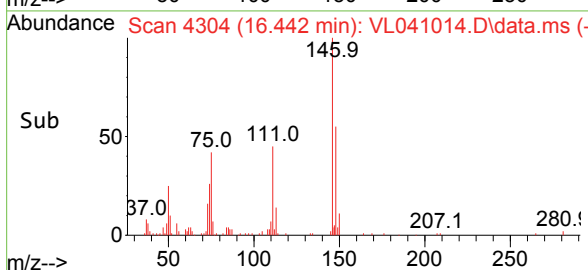
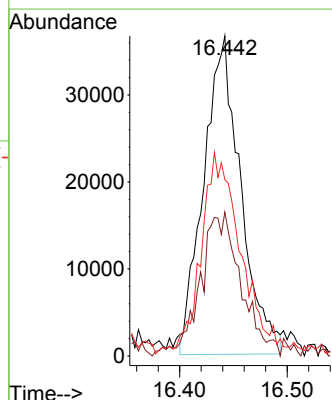
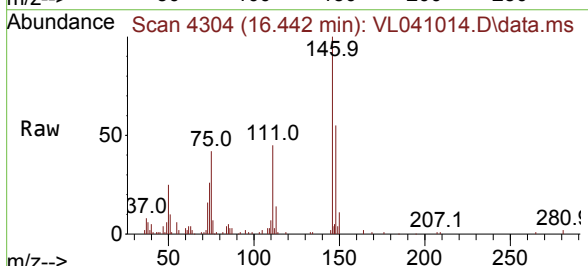
Tgt Ion:146 Resp: 87700

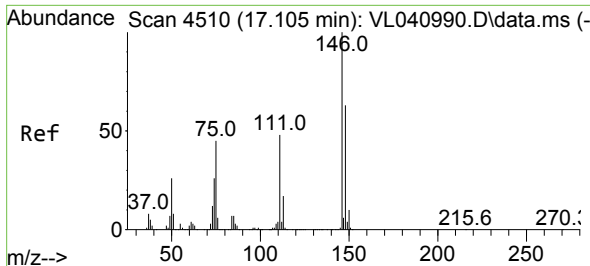
Ion Ratio Lower Upper

146 100

111 52.8 24.0 72.0

148 72.6 32.9 98.7

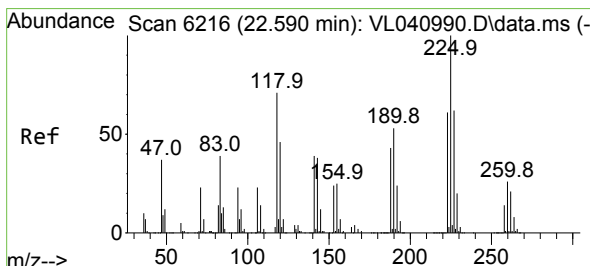
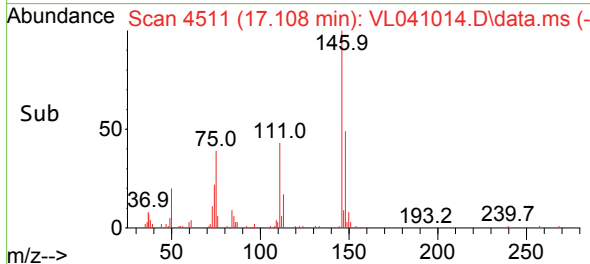
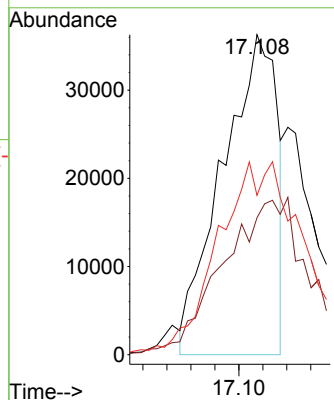
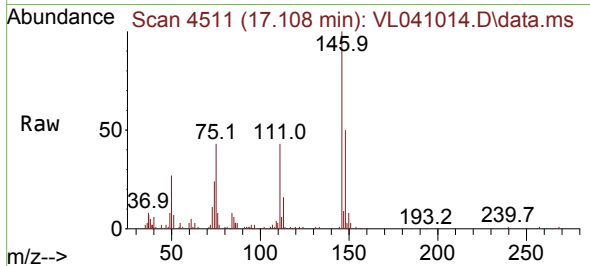




#77
1,2-Dichlorobenzene
Concen: 0.341 ppbv
RT: 17.108 min Scan# 4511
Delta R.T. 0.003 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

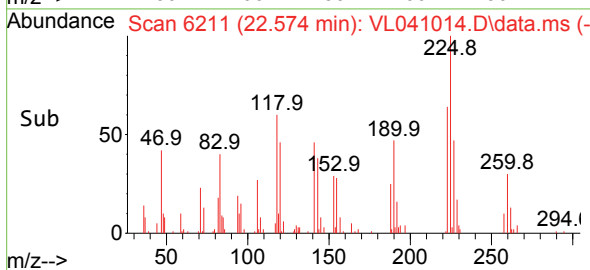
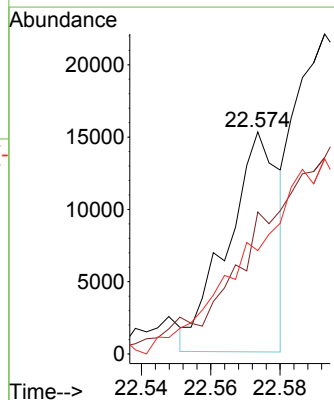
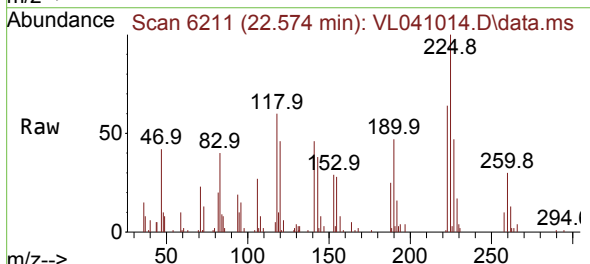
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2024

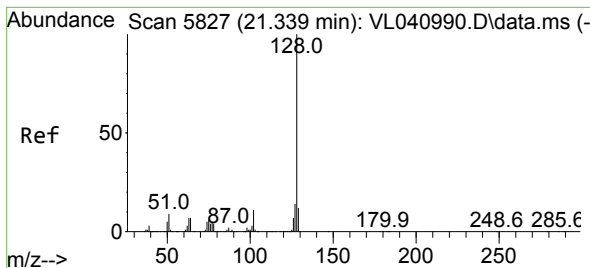
Tgt Ion:146 Resp: 57578
Ion Ratio Lower Upper
146 100
111 0.0 24.8 74.3#
148 0.0 31.8 95.3#



#78
Hexachloro-1,3-Butadiene
Concen: 0.143 ppbv
RT: 22.574 min Scan# 6211
Delta R.T. -0.016 min
Lab File: VL041014.D
Acq: 24 Jan 2024 13:53

Tgt Ion:225 Resp: 15602
Ion Ratio Lower Upper
225 100
223 0.0 51.1 76.7#
227 0.0 51.0 76.4#





#79

Naphthalene

Concen: 0.494 ppbv

RT: 21.358 min Scan# 5833

Delta R.T. 0.019 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024

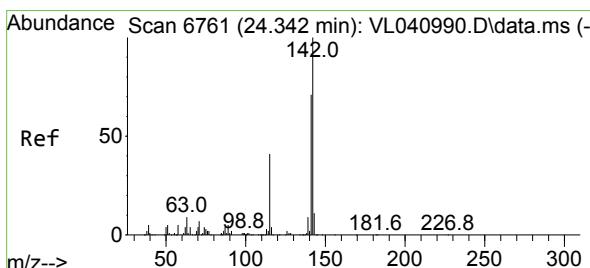
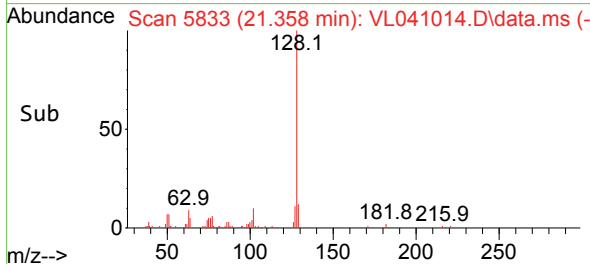
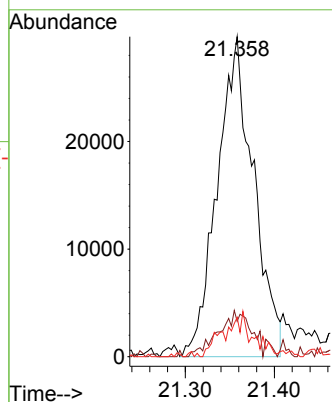
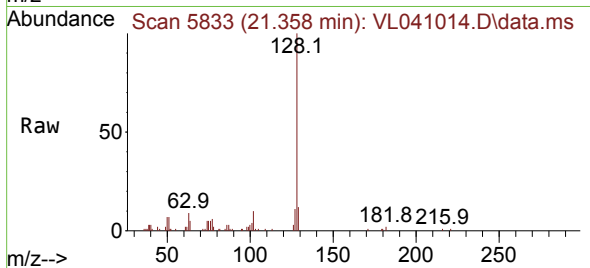
Tgt Ion:128 Resp: 84088

Ion Ratio Lower Upper

128 100

127 9.1 10.9 16.3#

129 11.5 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 0.562 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.019 min

Lab File: VL041014.D

Acq: 24 Jan 2024 13:53

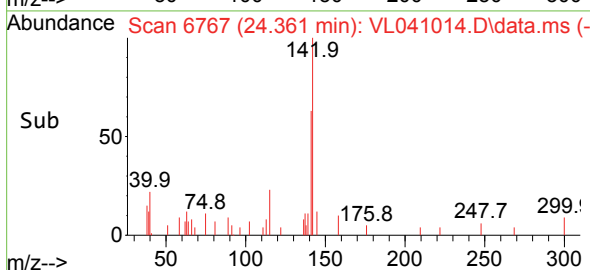
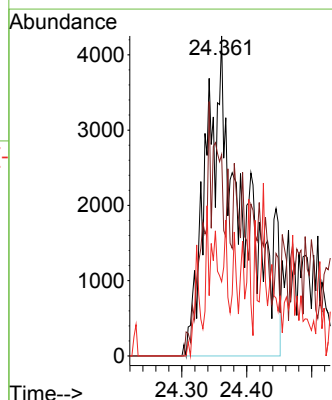
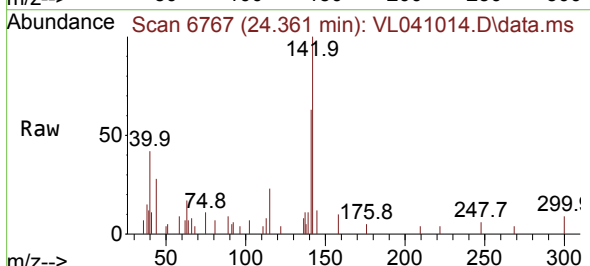
Tgt Ion:142 Resp: 16823

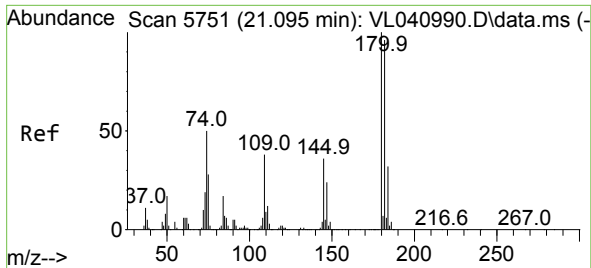
Ion Ratio Lower Upper

142 100

141 42.0 62.7 94.1#

115 22.5 34.0 51.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.170 ppbv

RT: 21.098 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL041014.D

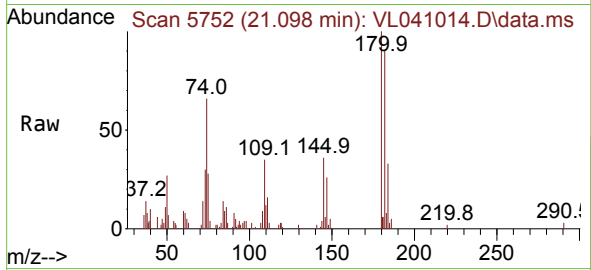
Acq: 24 Jan 2024 13:53

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2024



Tgt Ion:180 Resp: 16899

Ion Ratio Lower Upper

180 100

182 0.0 78.6 118.0#

184 0.0 24.4 36.6#

