

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041243.D
 Acq On : 8 May 2024 14:30
 Operator : SY/MD
 Sample : P2403-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

Quant Time: May 09 05:12:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	787658	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2129200	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	1939790	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1458796	9.961	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.748	85	5199	0.049	ppbv 100
3) Chlorodifluoromethane	2.693	51	5155	0.043	ppbv 94
4) Chloromethane	2.835	50	1221	0.026	ppbv # 56
5) Vinyl Chloride	2.938	62	687	0.015	ppbv # 43
6) Bromomethane	3.144	94	706	0.041	ppbv # 25
7) Chloroethane	3.214	64	203	0.012	ppbv # 43
8) Dichlorotetrafluoroethane	2.874	85	3506	0.032	ppbv # 18
9) Propene	2.719	41	5158	0.110	ppbv 88
10) Heptane	7.606	43	1396	0.012	ppbv # 29
11) Trichlorofluoromethane	3.619	101	186	0.002	ppbv 99
12) 1,1,2-Trichlorotrifluo...	4.086	101	2303	0.029	ppbv # 72
13) Ethanol	3.275	45	72	0.007	ppbv # 38
14) Bromoethene	3.391	108	926	0.028	ppbv # 44
15) Acetone	3.520	43	14631	0.157	ppbv # 79
16) 1,3-Butadiene	3.002	39	846	0.018	ppbv # 10
17) tert-Butyl alcohol	3.899	59	243	0.002	ppbv # 72
18) 1,1-Dichloroethene	3.896	96	595	0.017	ppbv # 44
19) Isopropyl Alcohol	3.591	45	38	0.001	ppbv # 41
20) Methylene Chloride	3.960	84	5149	0.159	ppbv 94
21) Allyl Chloride	4.015	41	637	0.011	ppbv # 19
22) trans-1,2-Dichloroethene	4.472	96	962	0.026	ppbv # 72
23) Vinyl Acetate	4.648	43	338	0.003	ppbv # 1
24) 1,1-Dichloroethane	4.587	63	1592	0.020	ppbv # 78
25) Ethyl Acetate	5.227	43	1011	0.005	ppbv # 75
26) Hexane	5.237	57	905	0.011	ppbv # 1
27) Carbon Disulfide	4.147	76	1685	0.017	ppbv # 63
28) Methyl tert-Butyl Ether	4.632	73	1376	0.021	ppbv 99
29) Chloroform	5.304	83	1574	0.014	ppbv 100
30) Cyclohexane	6.623	84	1754	0.027	ppbv # 7
31) cis-1,2-Dichloroethene	5.095	61	1481	0.019	ppbv # 84
32) 1,1,1-Trichloroethane	6.028	97	998	0.009	ppbv # 1
34) 2-Butanone	4.800	43	313	0.003	ppbv # 54
35) Carbon Tetrachloride	6.536	117	393	0.003	ppbv 94
36) Benzene	6.391	78	4043	0.023	ppbv # 94
37) 1,2-Dichloroethane	5.838	62	1206	0.013	ppbv # 82
38) Trichloroethene	7.317	130	531	0.008	ppbv # 17
39) 1,2-Dichloropropane	6.732	63	5441	0.079	ppbv # 20
40) 1,4-Dioxane	7.333	88	117	0.005	ppbv # 1
41) Tetrahydrofuran	5.590	42	33	0.000	ppbv # 38
42) Bromodichloromethane	7.275	83	1385	0.010	ppbv # 52
43) Methyl Methacrylate	7.491	69	39	0.001	ppbv # 1
44) 2,2,4-Trimethylpentane	7.346	57	4819	0.016	ppbv # 17
45) t-1,3-Dichloropropene	8.735	75	165	0.003	ppbv # 43

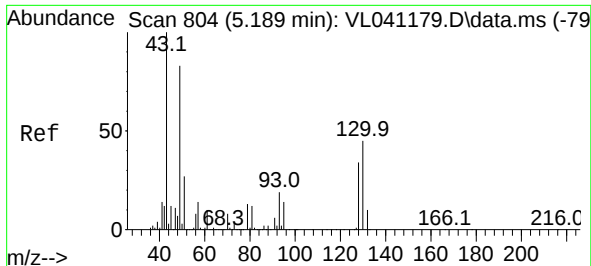
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041243.D
 Acq On : 8 May 2024 14:30
 Operator : SY/MD
 Sample : P2403-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

Quant Time: May 09 05:12:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	8.172	75	1355	0.021	ppbv	#	50
47) 1,1,2-Trichloroethane	8.925	97	1064	0.015	ppbv	#	33
48) Dibromochloromethane	9.738	129	714	0.007	ppbv	#	1
49) Bromoform	12.429	173	885	0.009	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.233	43	598	0.003	ppbv	#	40
51) 2-Hexanone	9.597	43	267	0.002	ppbv	#	46
52) Tetrachloroethene	10.635	164	1009	0.016	ppbv	#	33
53) Toluene	9.240	91	2603	0.013	ppbv	#	1
54) 1,2-Dibromoethane	10.044	107	544	0.006	ppbv		89
56) 1,1,1,2-Tetrachloroethane	11.532	131	893	0.011	ppbv	#	9
57) Chlorobenzene	11.552	112	1240	0.009	ppbv	#	36
58) Ethyl Benzene	12.355	91	1800	0.007	ppbv		90
59) m/p-Xylene	12.397	91	1026	0.005	ppbv	#	1
60) o-Xylene	13.085	91	2090	0.010	ppbv	#	1
61) Styrene	12.931	104	1195	0.011	ppbv	#	27
62) Isopropylbenzene	14.056	105	2754	0.009	ppbv	#	1
63) 1,1,2,2-Tetrachloroethane	13.076	83	925	0.006	ppbv	#	24
64) n-propylbenzene	14.941	120	625	0.008	ppbv	#	1
65) tert-Butylbenzene	16.114	119	909	0.003	ppbv	#	17
66) Benzyl Chloride	16.349	91	157	0.005	ppbv	#	1
67) sec-Butylbenzene	16.667	105	4552	0.012	ppbv	#	60
69) p-Isopropyltoluene	17.024	119	2586	0.008	ppbv	#	1
70) n-Butylbenzene	17.921	91	2389	0.007	ppbv	#	33
71) 2-Chlorotoluene	14.831	91	1652	0.007	ppbv	#	44
72) 4-Ethyltoluene	15.220	105	1905	0.008	ppbv	#	22
73) 1,3,5-Trimethylbenzene	15.378	105	1457	0.007	ppbv	#	79
74) 1,2,4-Trimethylbenzene	16.133	105	1654	0.007	ppbv	#	81
75) 1,3-Dichlorobenzene	16.362	146	2188	0.016	ppbv	#	1
76) 1,4-Dichlorobenzene	16.500	146	1075	0.008	ppbv	#	23
77) 1,2-Dichlorobenzene	17.175	146	1448	0.011	ppbv	#	1
78) Hexachloro-1,3-Butadiene	22.667	225	1072	0.009	ppbv	#	18
79) Naphthalene	21.410	128	501	0.002	ppbv	#	68
80) Naphthalene,2-methyl-	24.300	142	38	0.000	ppbv	#	1
81) 1,2,4-Trichlorobenzene	21.175	180	439	0.004	ppbv	#	1

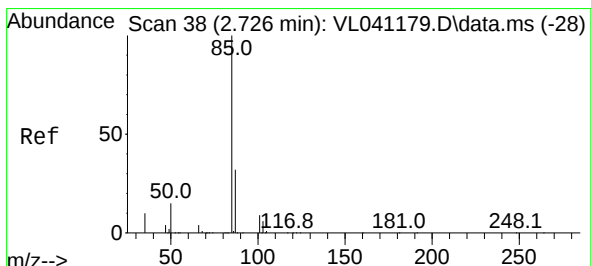
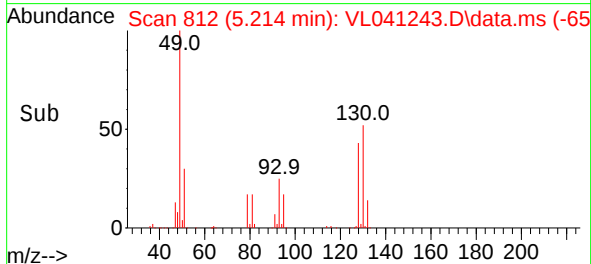
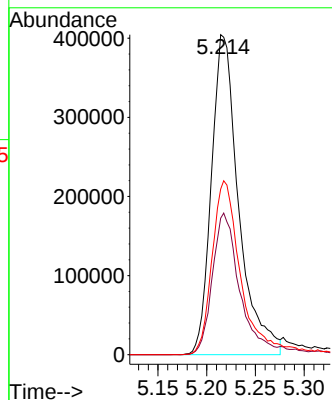
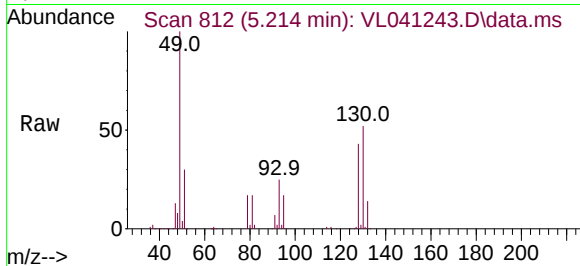
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL041243.D
 Acq: 8 May 2024 14:30

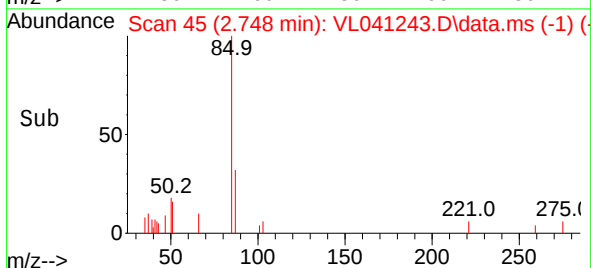
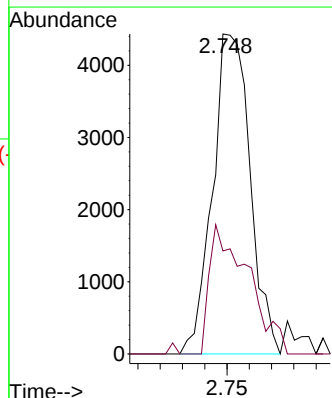
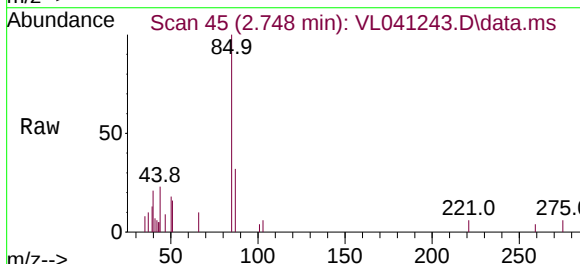
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

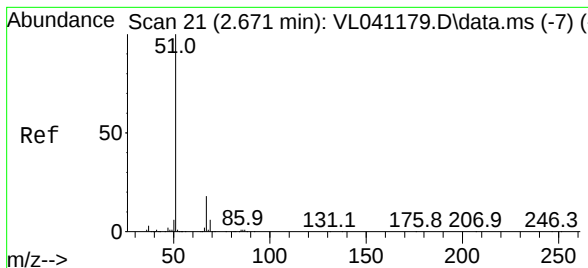
Tgt Ion: 49 Resp: 787658
 Ion Ratio Lower Upper
 49 100
 128 46.7 21.5 64.5
 130 59.8 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.049 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.003 min
 Lab File: VL041243.D
 Acq: 8 May 2024 14:30

Tgt Ion: 85 Resp: 5199
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.043 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

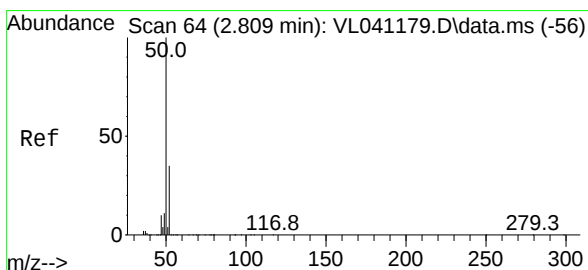
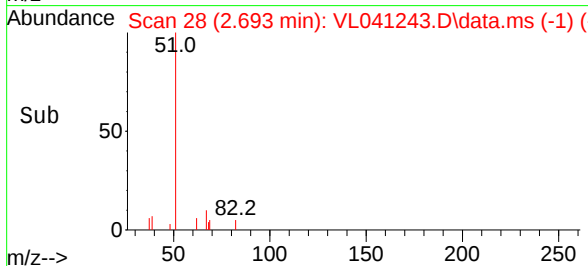
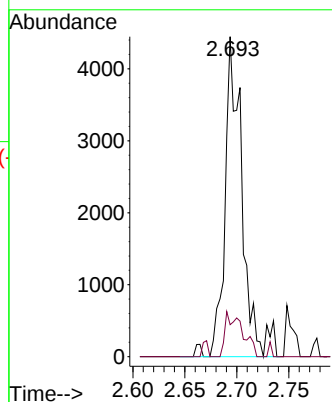
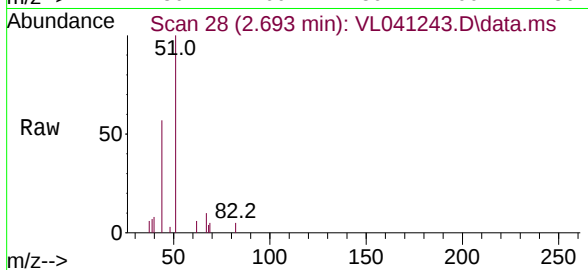
LOQ-AIR-02-QT2-2024

Tgt Ion: 51 Resp: 5155

Ion Ratio Lower Upper

51 100

67 14.7 14.0 21.0



#4

Chloromethane

Concen: 0.026 ppbv

RT: 2.835 min Scan# 72

Delta R.T. 0.003 min

Lab File: VL041243.D

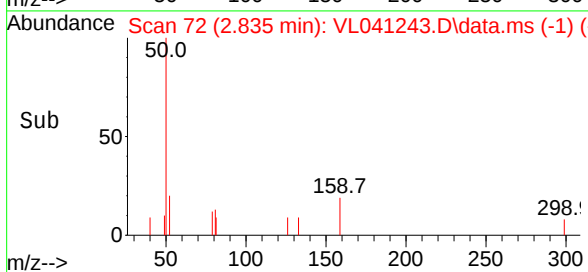
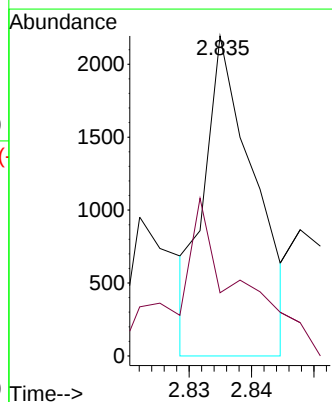
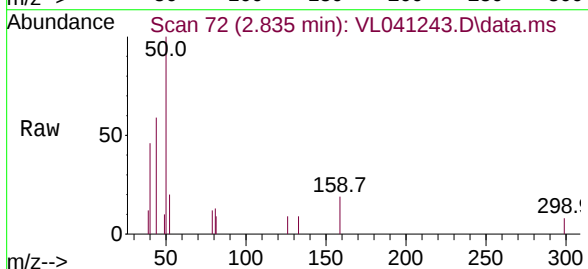
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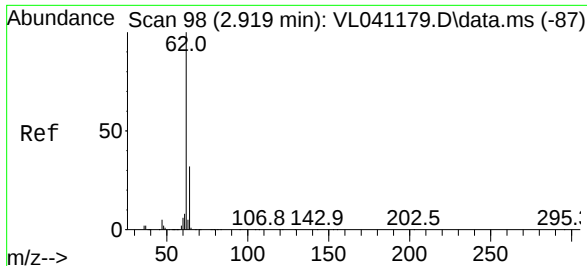
Tgt Ion: 50 Resp: 1221

Ion Ratio Lower Upper

50 100

52 9.9 28.3 42.5#

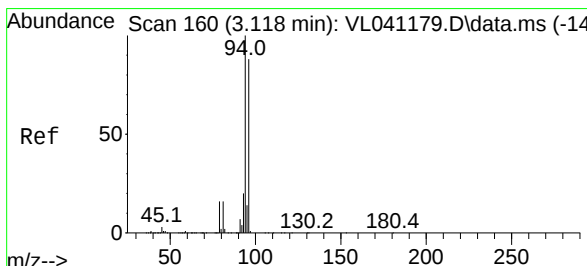
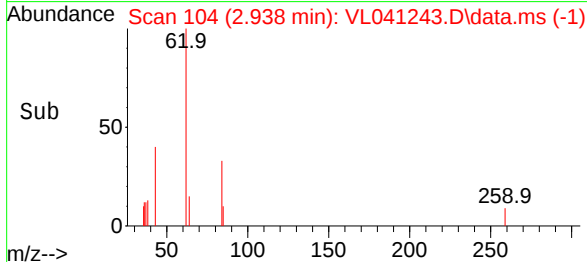
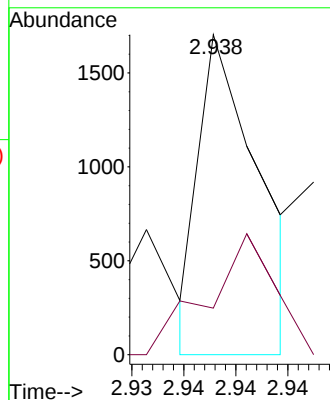
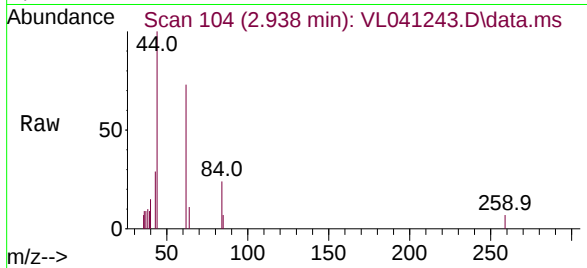




#5
 Vinyl Chloride
 Concen: 0.015 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. -0.000 min
 Lab File: VL041243.D
 Acq: 8 May 2024 14:30

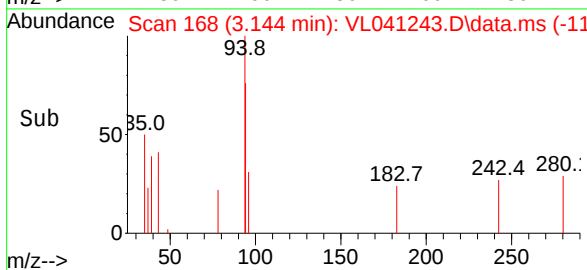
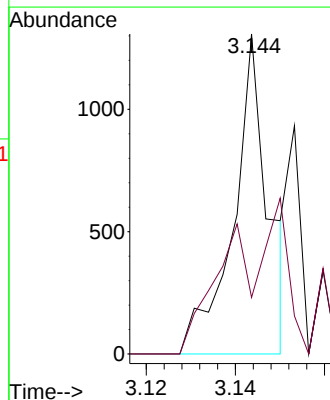
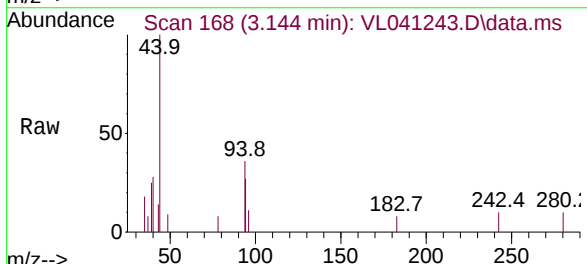
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2024

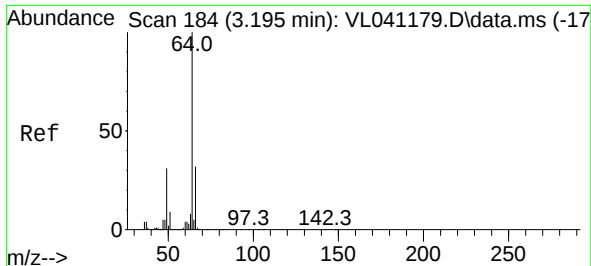
Tgt Ion: 62 Resp: 687
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#6
 Bromomethane
 Concen: 0.041 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.006 min
 Lab File: VL041243.D
 Acq: 8 May 2024 14:30

Tgt Ion: 94 Resp: 706
 Ion Ratio Lower Upper
 94 100
 96 17.7 70.1 105.1#

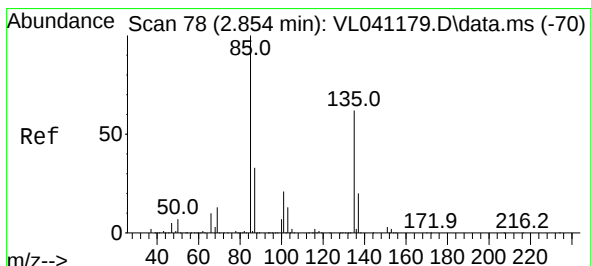
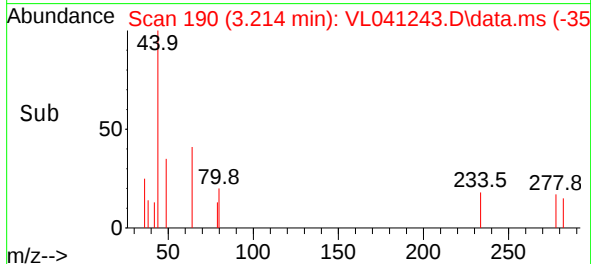
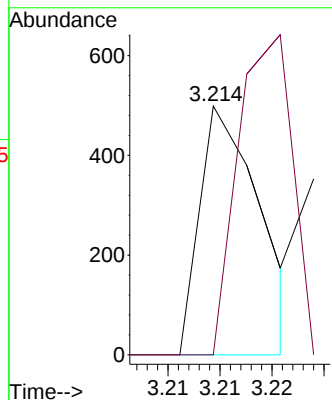
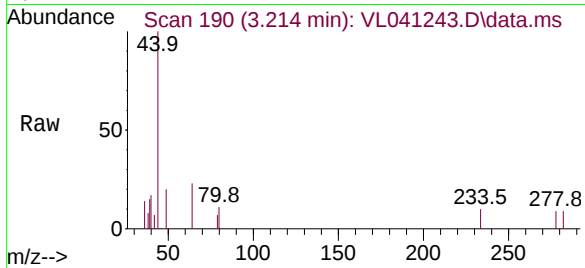




#7
Chloroethane
Concen: 0.012 ppbv
RT: 3.214 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

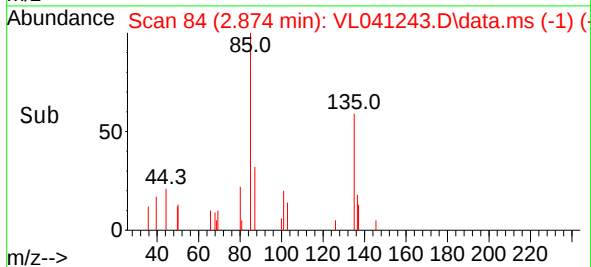
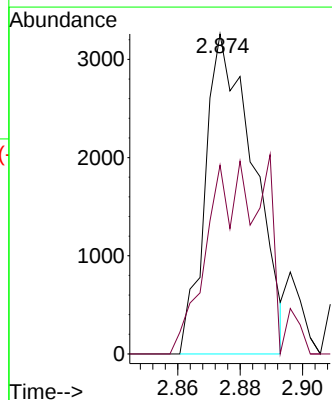
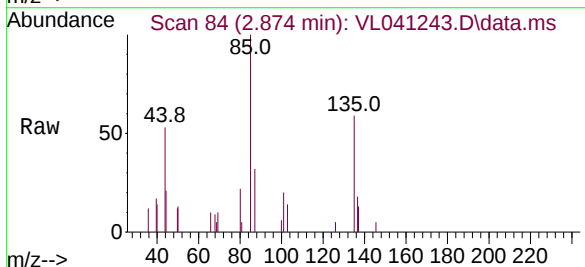
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

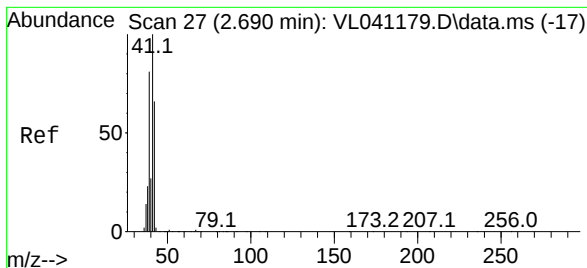
Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 2.874 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion: 85 Resp: 3506
Ion Ratio Lower Upper
85 100
135 0.0 51.5 77.3#





#9

Propene

Concen: 0.110 ppbv

RT: 2.719 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

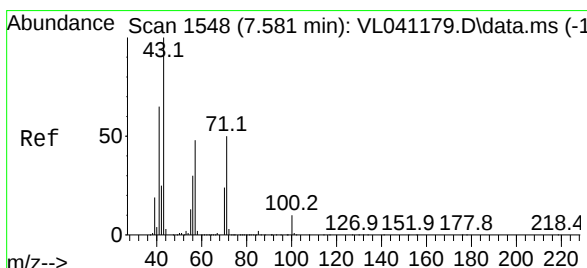
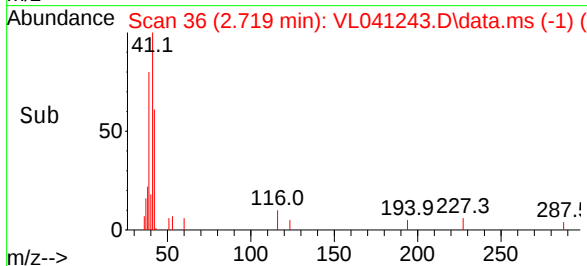
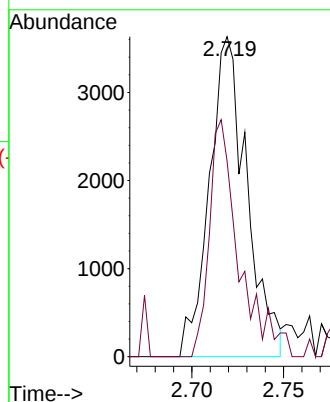
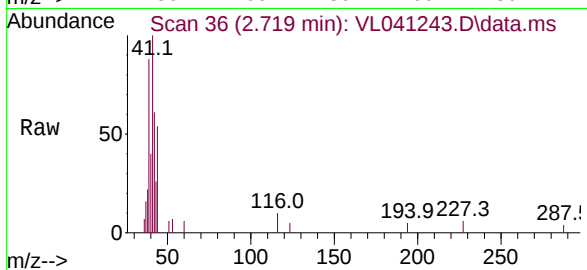
LOQ-AIR-02-QT2-2024

Tgt Ion: 41 Resp: 5158

Ion Ratio Lower Upper

41 100

42 59.4 55.3 82.9



#10

Heptane

Concen: 0.012 ppbv

RT: 7.606 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VL041243.D

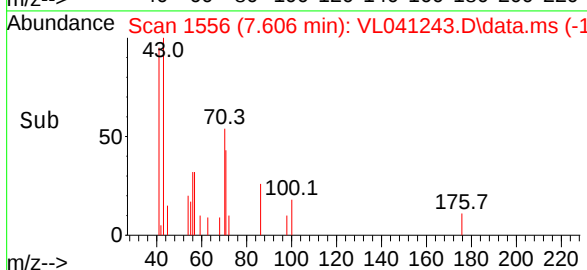
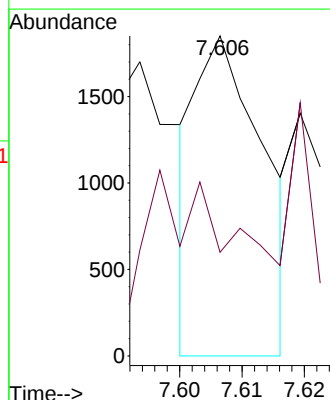
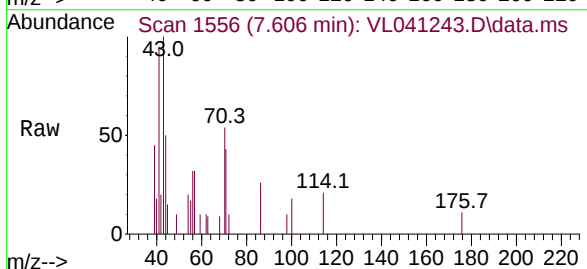
Acq: 8 May 2024 14:30

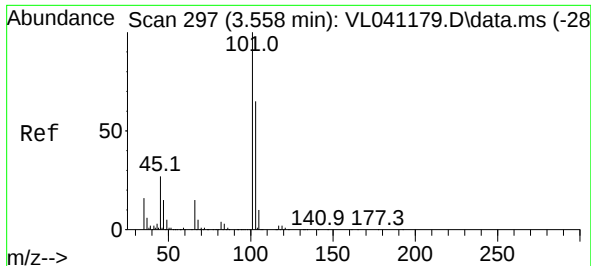
Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

57 0.0 38.7 58.1#





#11

Trichlorofluoromethane

Concen: 0.002 ppbv

RT: 3.619 min Scan# 316

Delta R.T. 0.039 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

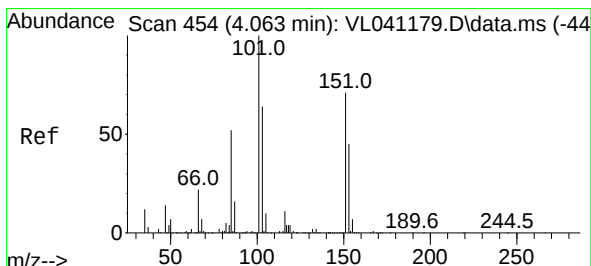
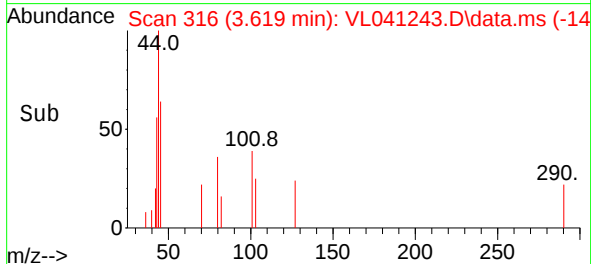
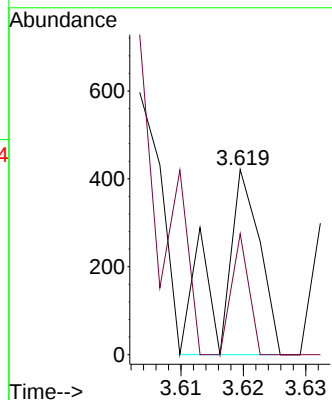
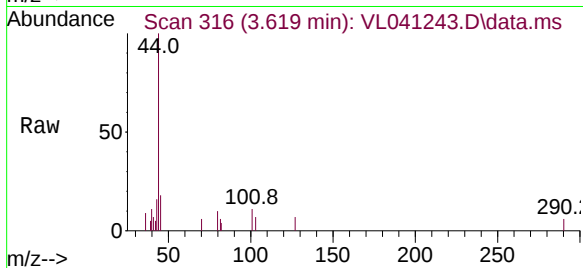
LOQ-AIR-02-QT2-2024

Tgt Ion:101 Resp: 186

Ion Ratio Lower Upper

101 100

103 65.3 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.029 ppbv

RT: 4.086 min Scan# 461

Delta R.T. 0.003 min

Lab File: VL041243.D

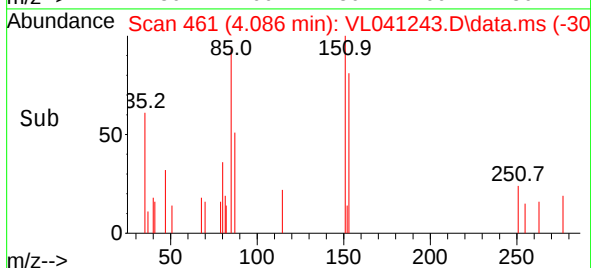
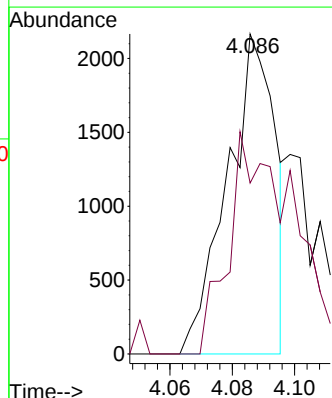
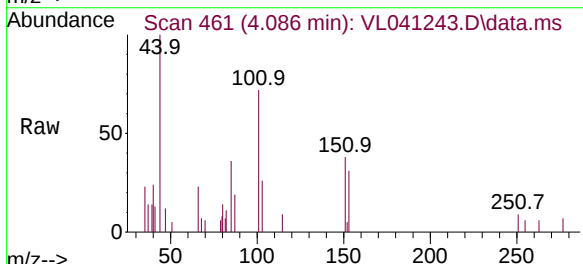
Acq: 8 May 2024 14:30

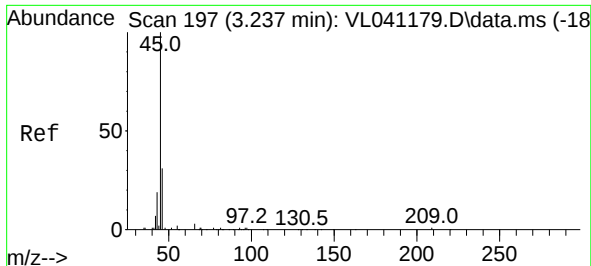
Tgt Ion:101 Resp: 2303

Ion Ratio Lower Upper

101 100

151 94.3 56.8 85.2#





#13

Ethanol

Concen: 0.007 ppbv

RT: 3.275 min Scan# 209

Delta R.T. 0.019 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

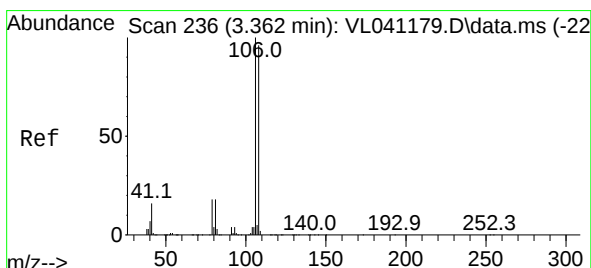
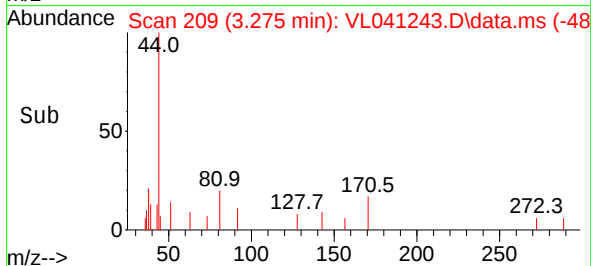
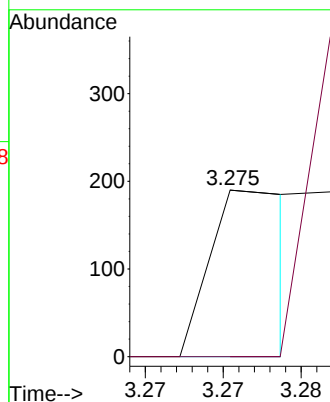
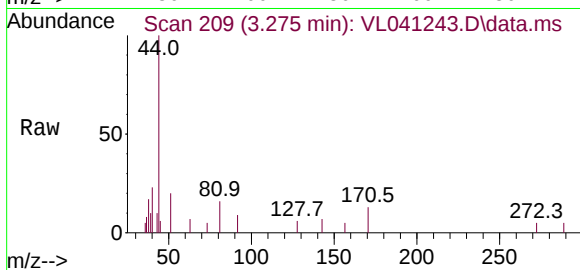
LOQ-AIR-02-QT2-2024

Tgt Ion: 45 Resp: 72

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#14

Bromoethene

Concen: 0.028 ppbv

RT: 3.391 min Scan# 245

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

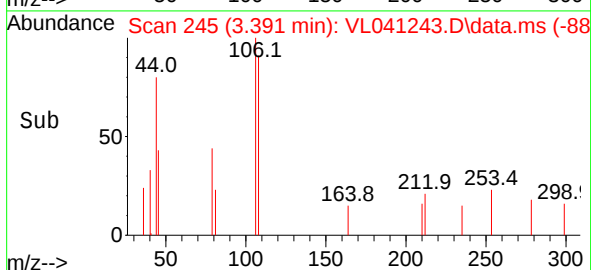
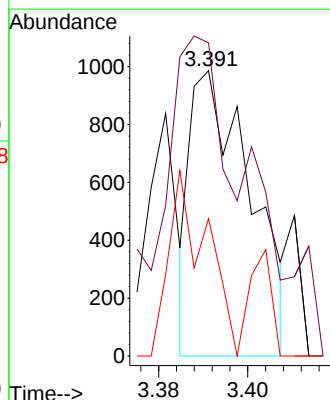
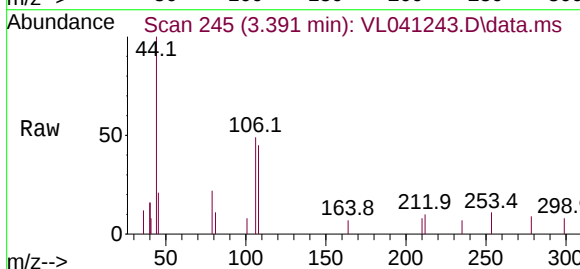
Tgt Ion:108 Resp: 926

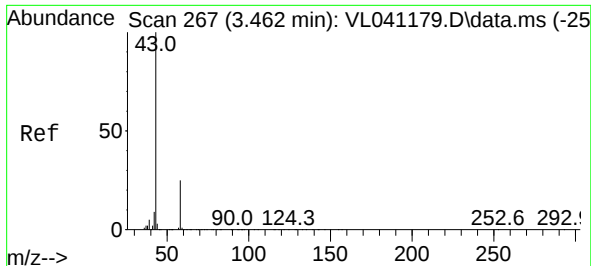
Ion Ratio Lower Upper

108 100

106 166.4 88.2 132.4#

79 54.1 17.4 26.0#





#15

Acetone

Concen: 0.157 ppbv

RT: 3.520 min Scan# 21

Delta R.T. 0.035 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

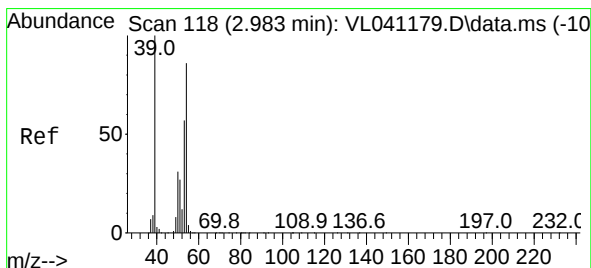
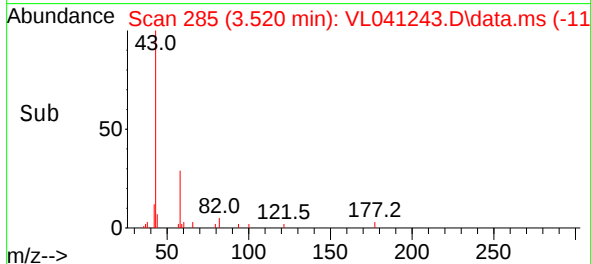
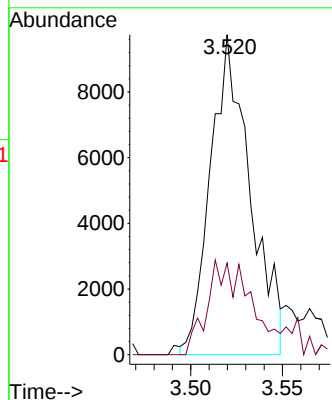
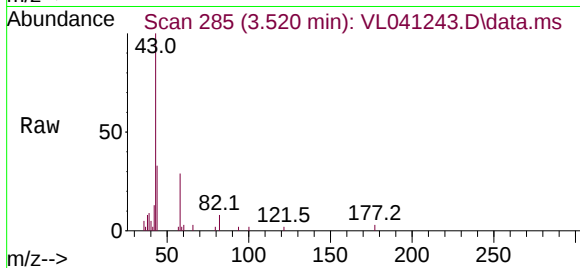
LOQ-AIR-02-QT2-2024

Tgt Ion: 43 Resp: 14631

Ion Ratio Lower Upper

43 100

58 37.3 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.018 ppbv

RT: 3.002 min Scan# 124

Delta R.T. -0.000 min

Lab File: VL041243.D

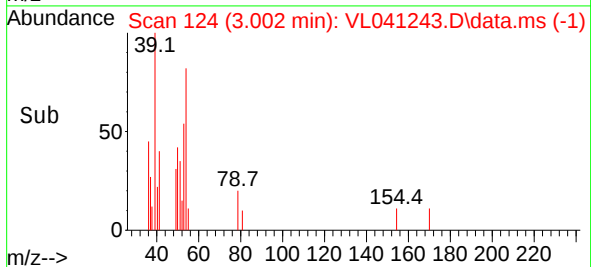
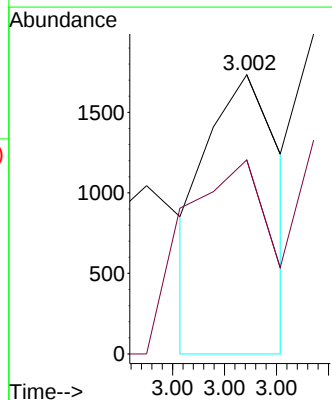
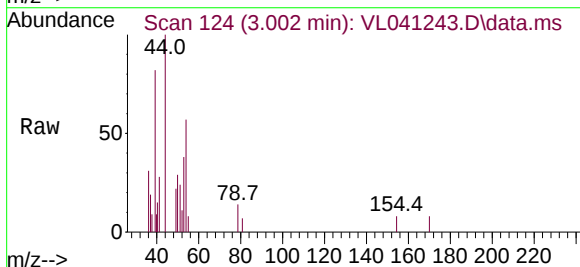
Acq: 8 May 2024 14:30

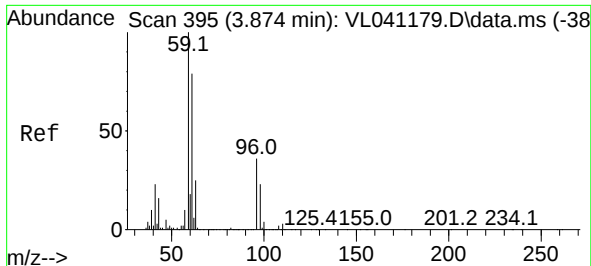
Tgt Ion: 39 Resp: 846

Ion Ratio Lower Upper

39 100

54 0.0 62.2 93.4#





#17

tert-Butyl alcohol

Concen: 0.002 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

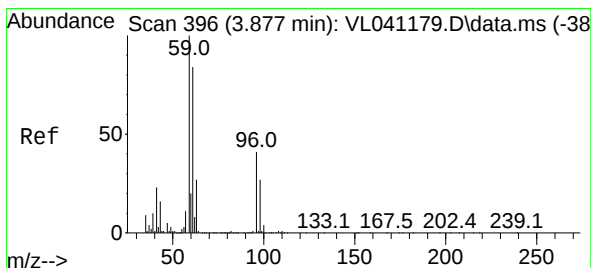
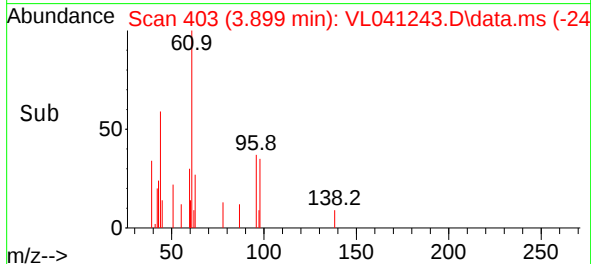
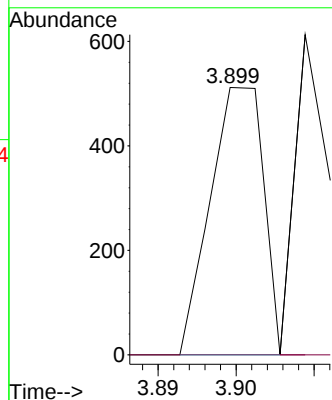
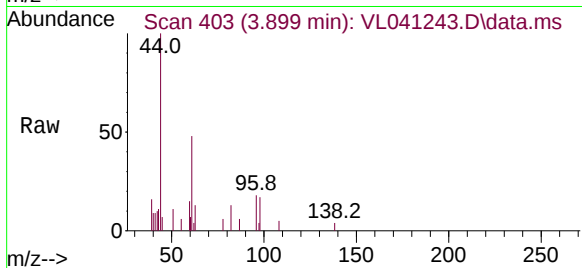
LOQ-AIR-02-QT2-2024

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.017 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

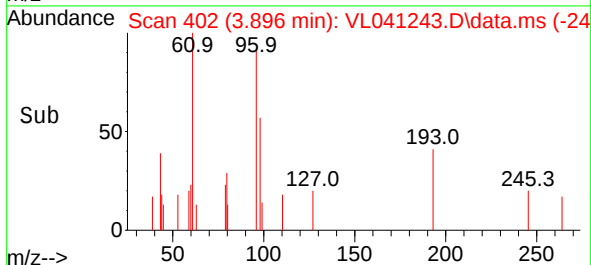
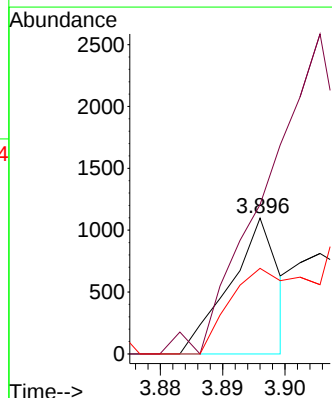
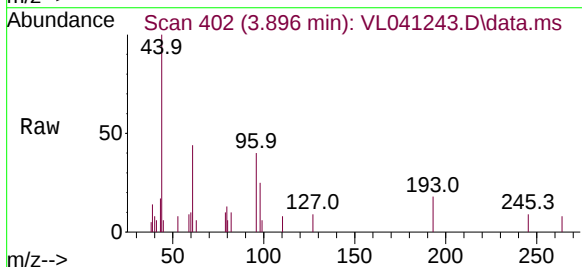
Tgt Ion: 96 Resp: 595

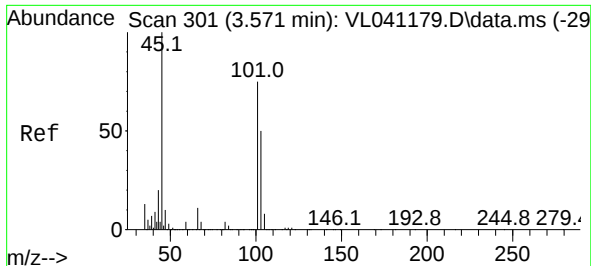
Ion Ratio Lower Upper

96 100

61 93.8 164.4 246.6#

98 63.1 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.001 ppbv

RT: 3.591 min Scan# 301

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

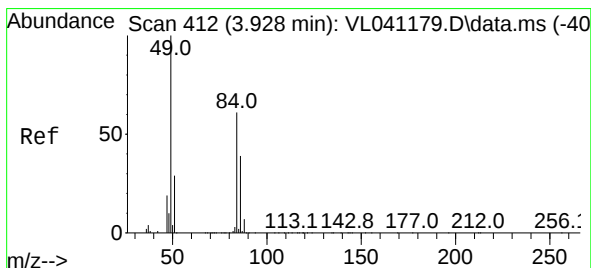
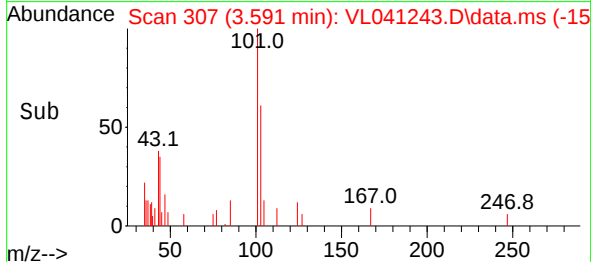
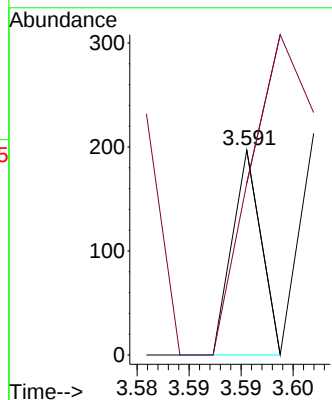
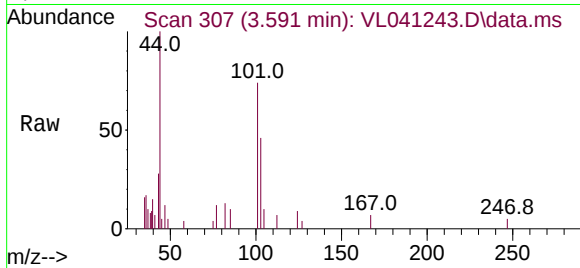
LOQ-AIR-02-QT2-2024

Tgt Ion: 45 Resp: 38

Ion Ratio Lower Upper

45 100

58 0.0 26.8 40.2#



#20

Methylene Chloride

Concen: 0.159 ppbv

RT: 3.960 min Scan# 422

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Tgt Ion: 84 Resp: 5149

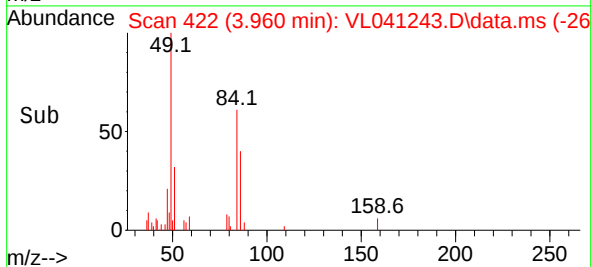
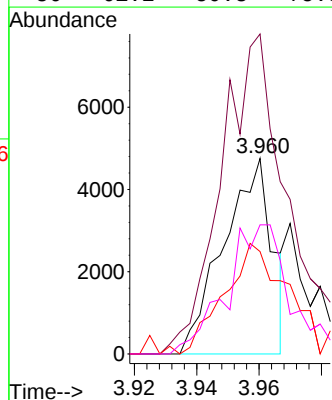
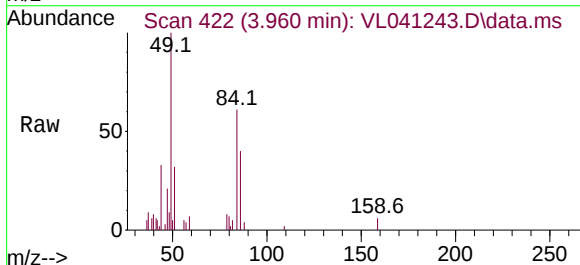
Ion Ratio Lower Upper

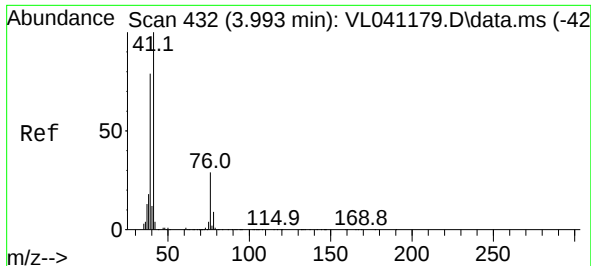
84 100

49 152.4 130.4 195.6

51 52.3 38.0 57.0

86 61.2 50.3 75.5





#21

Allyl Chloride

Concen: 0.011 ppbv

RT: 4.015 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

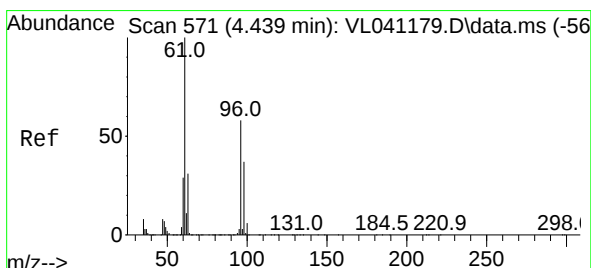
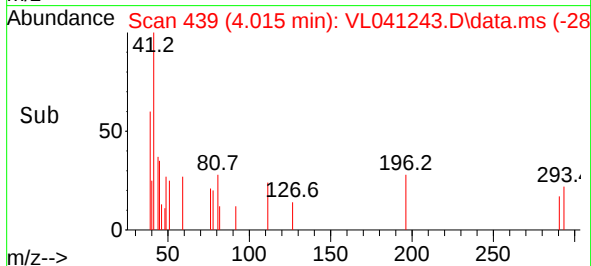
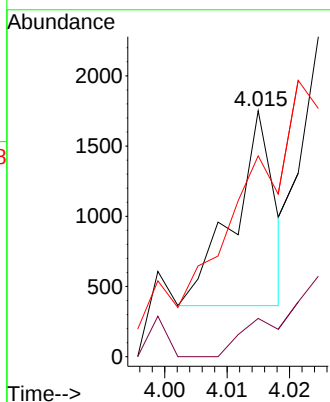
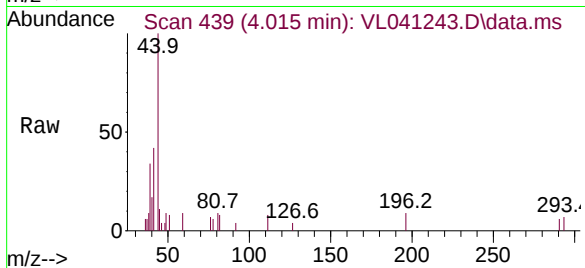
Tgt Ion: 41 Resp: 637

Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 0.0 64.7 97.1#



#22

trans-1,2-Dichloroethene

Concen: 0.026 ppbv

RT: 4.472 min Scan# 581

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

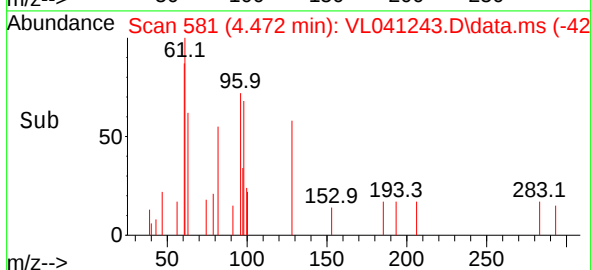
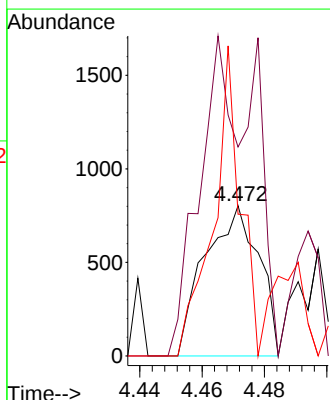
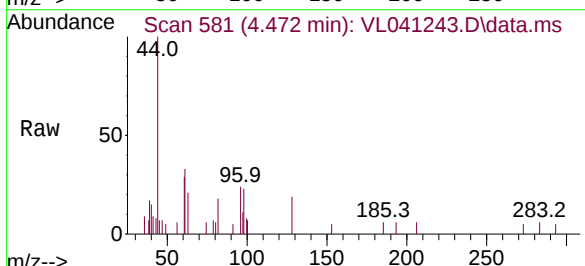
Tgt Ion: 96 Resp: 962

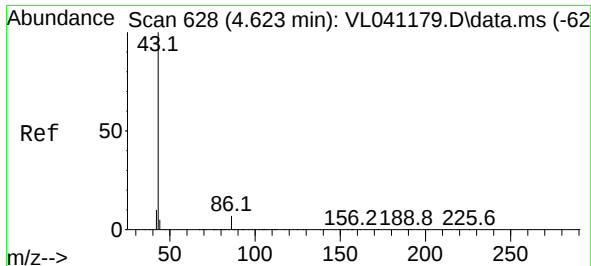
Ion Ratio Lower Upper

96 100

61 139.1 137.6 206.4

98 94.4 50.6 76.0#





#23

Vinyl Acetate

Concen: 0.003 ppbv

RT: 4.648 min Scan# 617

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion: 43 Resp: 338

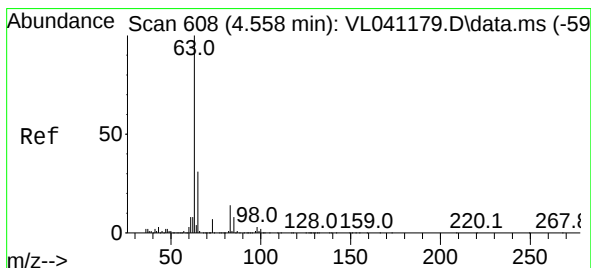
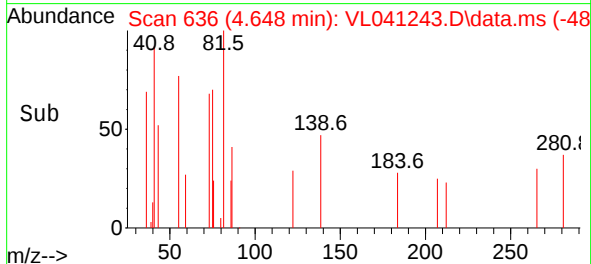
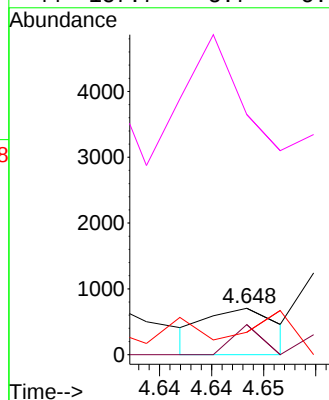
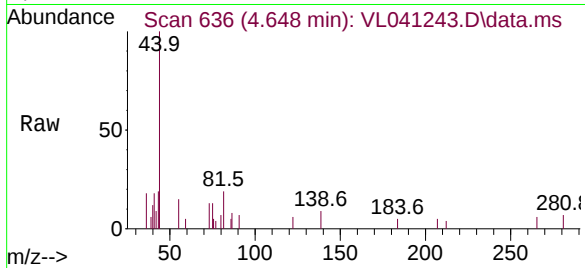
Ion Ratio Lower Upper

43 100

86 156.3 4.9 7.3#

42 0.0 8.0 12.0#

44 187.7 3.7 5.5#



#24

1,1-Dichloroethane

Concen: 0.020 ppbv

RT: 4.587 min Scan# 617

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

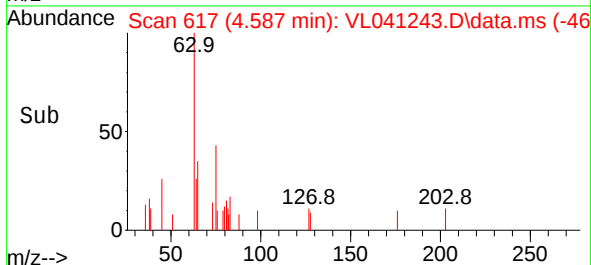
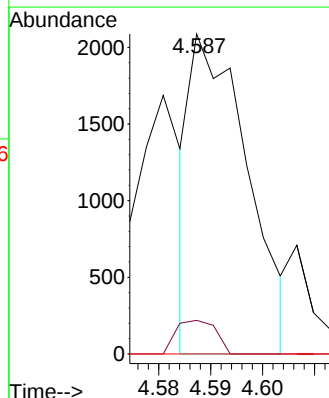
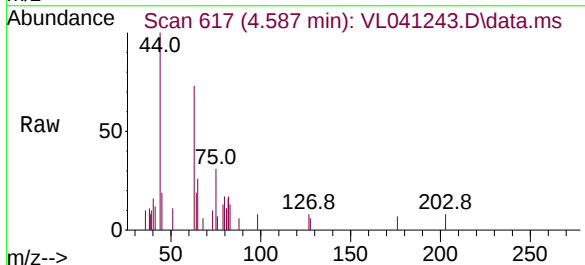
Tgt Ion: 63 Resp: 1592

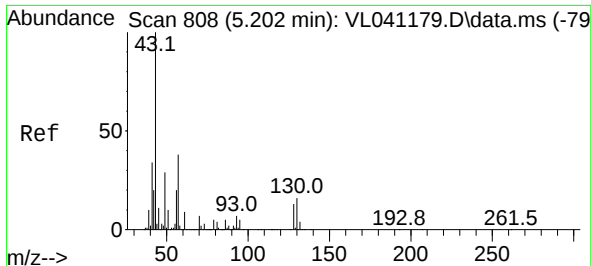
Ion Ratio Lower Upper

63 100

98 13.9 1.6 4.8#

100 0.0 1.1 3.5#





#25

Ethyl Acetate

Concen: 0.005 ppbv

RT: 5.227 min Scan# 816

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion: 43 Resp: 1011

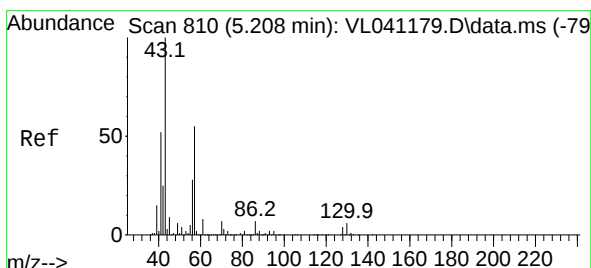
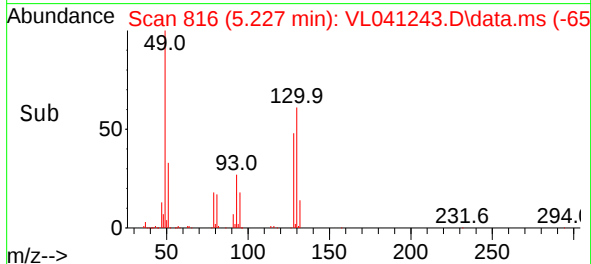
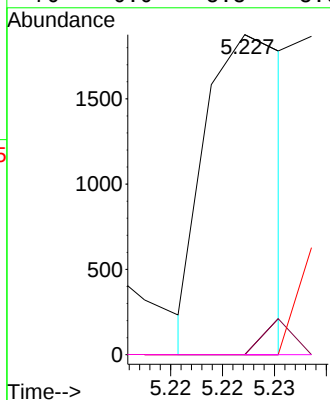
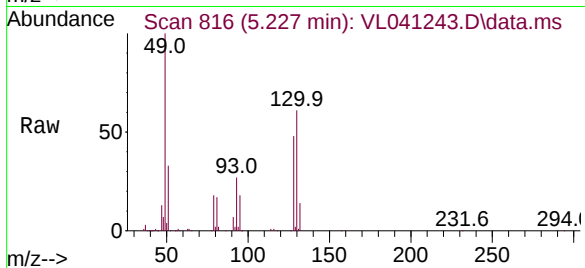
Ion Ratio Lower Upper

43 100

45 0.0 8.2 12.2#

61 0.0 7.7 11.5#

70 0.0 5.8 8.6#



#26

Hexane

Concen: 0.011 ppbv

RT: 5.237 min Scan# 819

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Tgt Ion: 57 Resp: 905

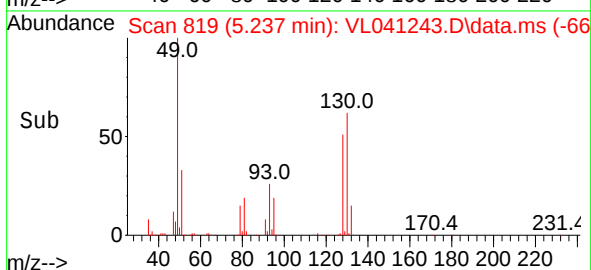
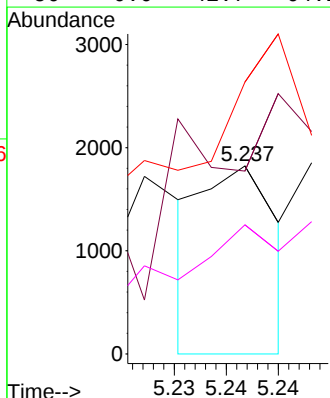
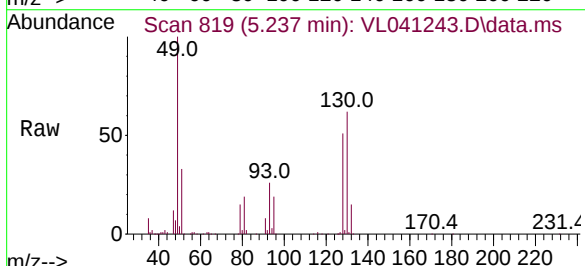
Ion Ratio Lower Upper

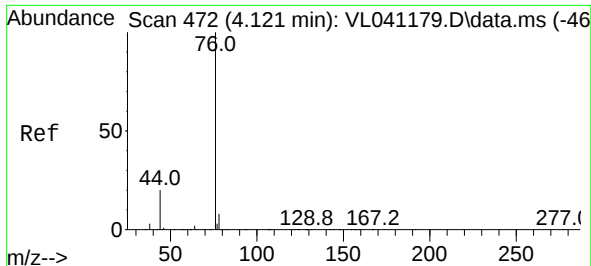
57 100

41 433.5 75.8 113.8#

43 0.0 187.0 280.4#

56 0.0 42.7 64.1#





#27

Carbon Disulfide

Concen: 0.017 ppbv

RT: 4.147 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

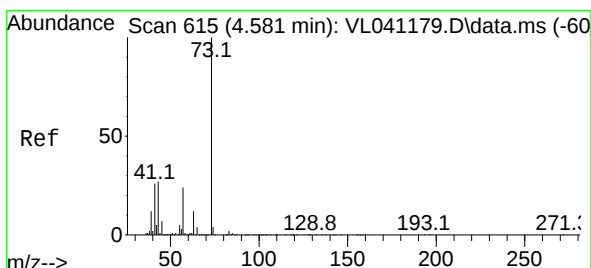
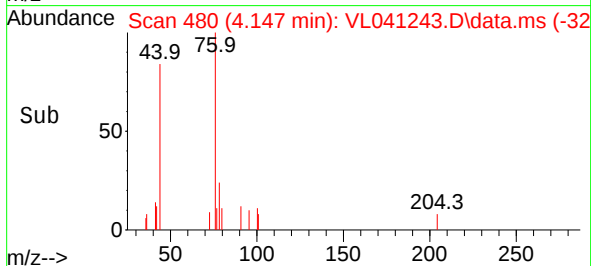
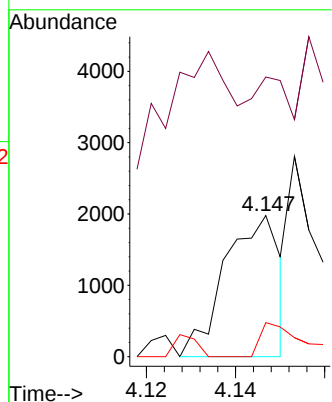
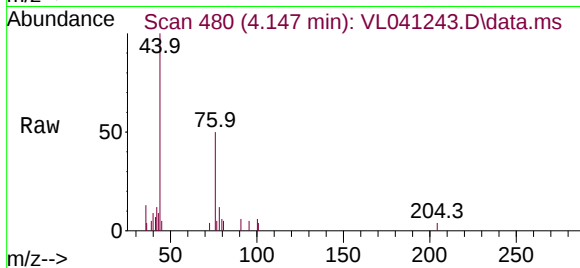
Tgt Ion: 76 Resp: 1685

Ion Ratio Lower Upper

76 100

44 0.0 16.3 24.5#

78 17.3 7.3 10.9#



#28

Methyl tert-Butyl Ether

Concen: 0.021 ppbv

RT: 4.632 min Scan# 631

Delta R.T. 0.029 min

Lab File: VL041243.D

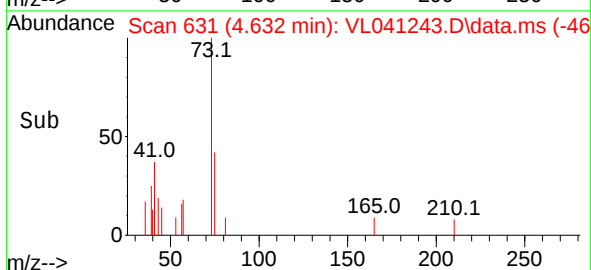
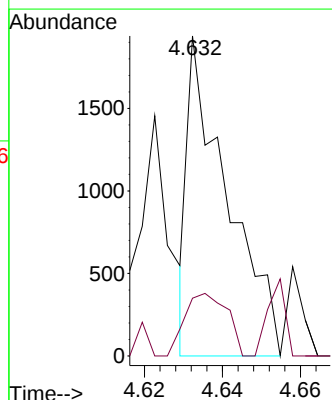
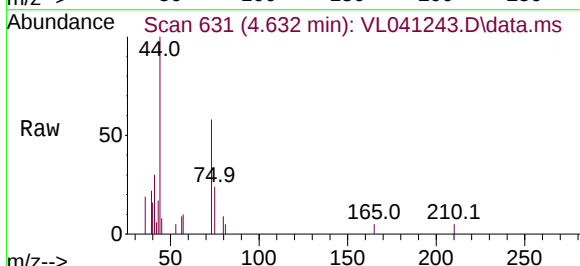
Acq: 8 May 2024 14:30

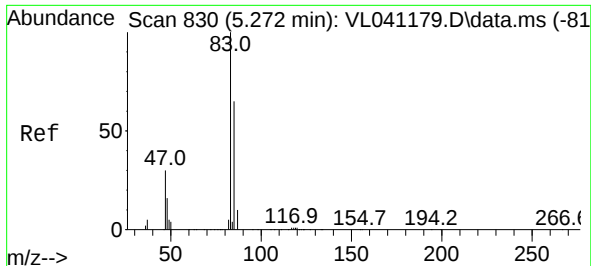
Tgt Ion: 73 Resp: 1376

Ion Ratio Lower Upper

73 100

57 23.8 18.8 28.2





#29

Chloroform

Concen: 0.014 ppbv

RT: 5.304 min Scan# 84

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

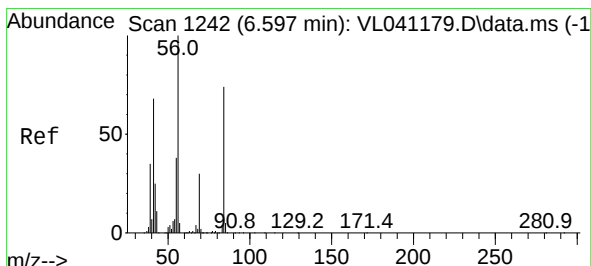
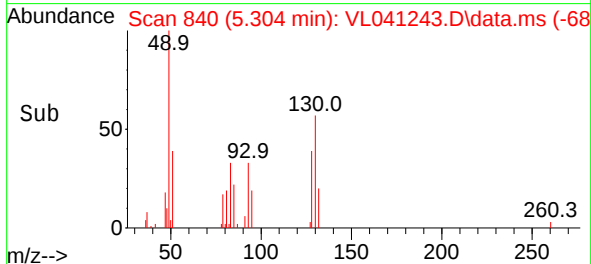
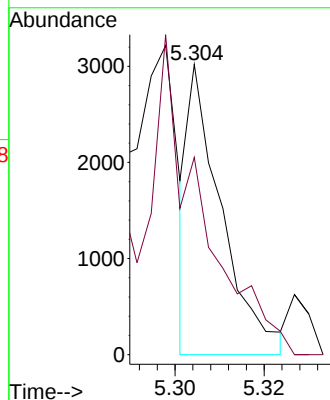
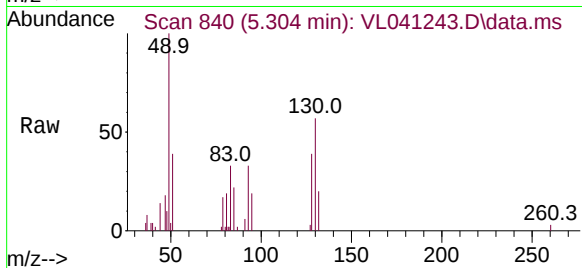
LOQ-AIR-02-QT2-2024

Tgt Ion: 83 Resp: 1574

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5



#30

Cyclohexane

Concen: 0.027 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

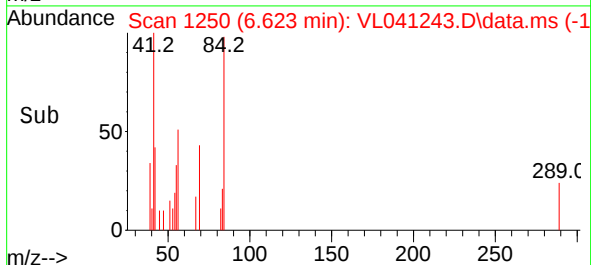
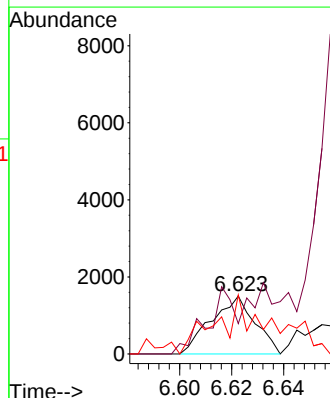
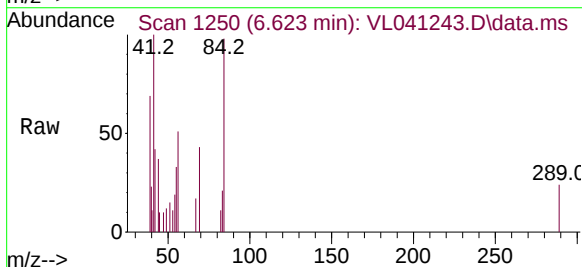
Tgt Ion: 84 Resp: 1754

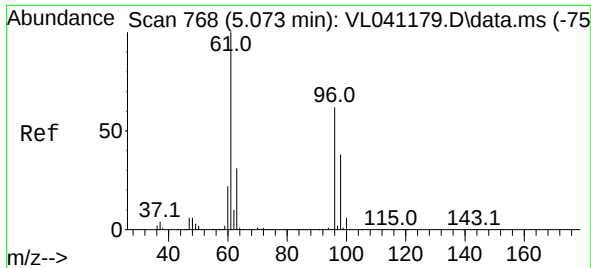
Ion Ratio Lower Upper

84 100

56 0.0 116.8 175.2#

41 145.7 73.8 110.8#





#31

cis-1,2-Dichloroethene

Concen: 0.019 ppbv

RT: 5.095 min Scan# 7

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

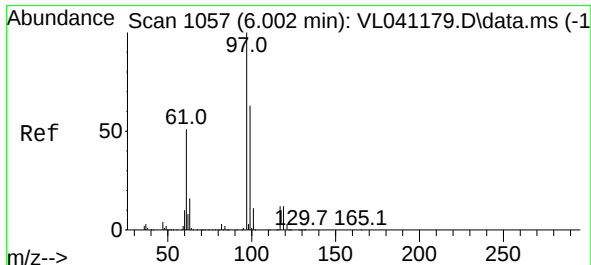
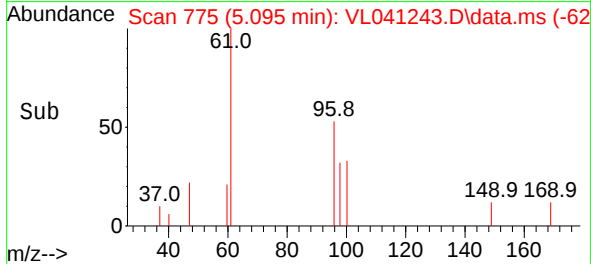
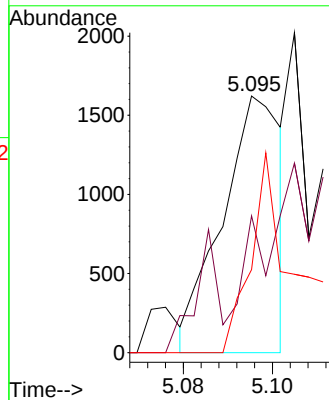
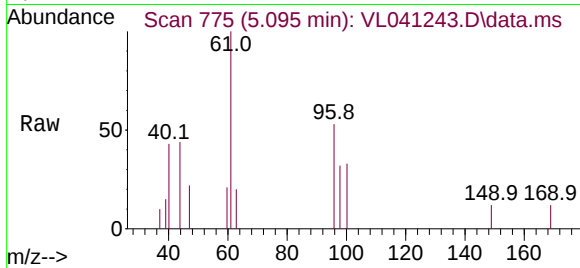
Tgt Ion: 61 Resp: 1481

Ion Ratio Lower Upper

61 100

96 43.1 49.8 74.6#

98 35.9 30.0 45.0



#32

1,1,1-Trichloroethane

Concen: 0.009 ppbv

RT: 6.028 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

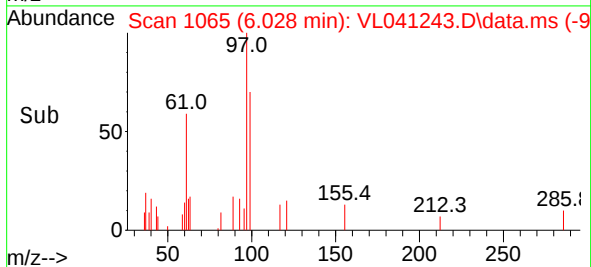
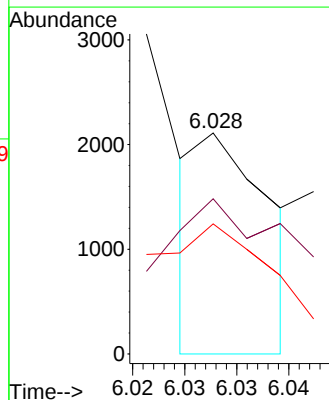
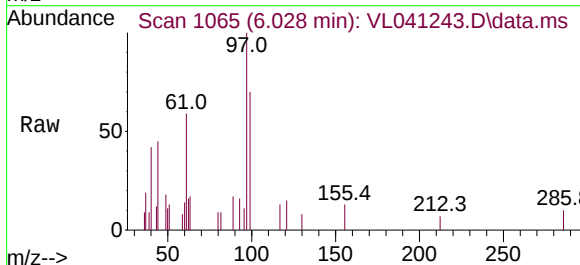
Tgt Ion: 97 Resp: 998

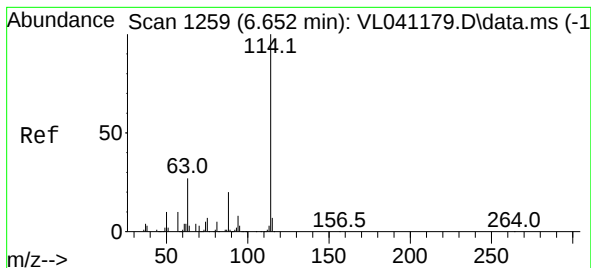
Ion Ratio Lower Upper

97 100

99 258.0 51.7 77.5#

61 178.7 41.1 61.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

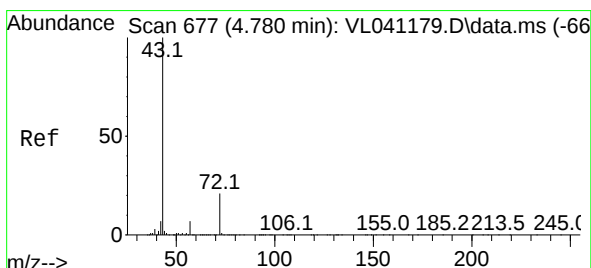
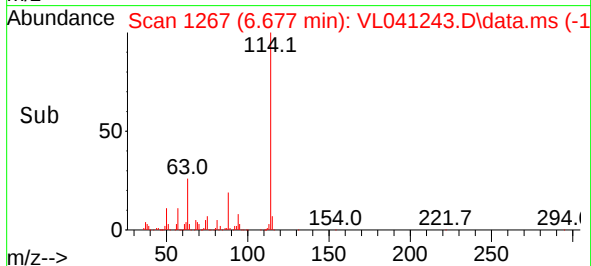
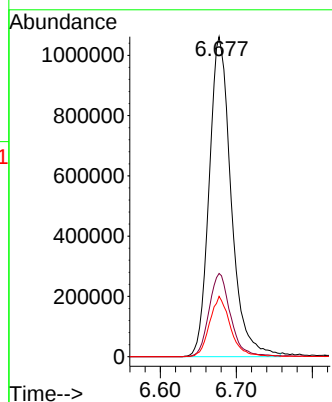
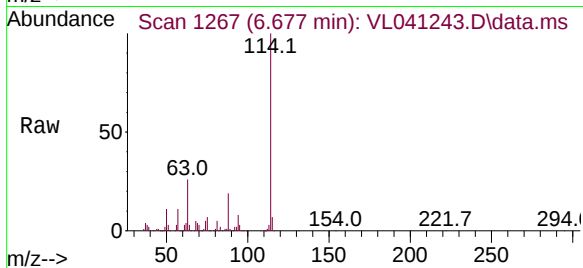
Tgt Ion:114 Resp: 2129200

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 18.0 15.2 22.8



#34

2-Butanone

Concen: 0.003 ppbv

RT: 4.800 min Scan# 683

Delta R.T. -0.003 min

Lab File: VL041243.D

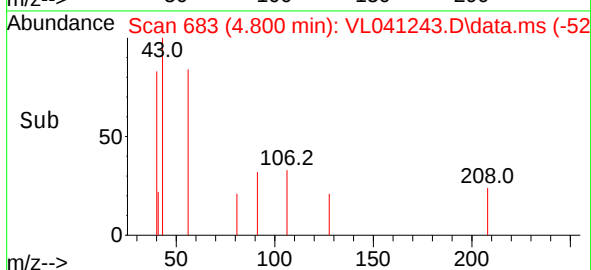
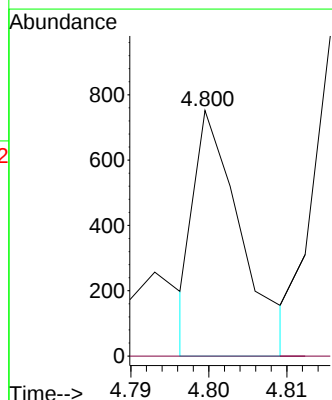
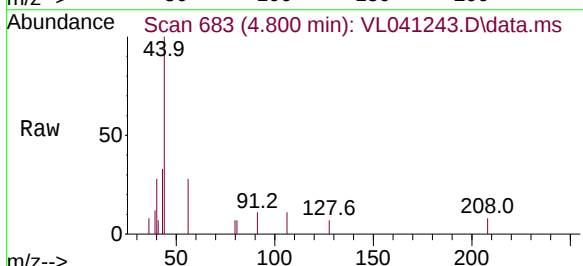
Acq: 8 May 2024 14:30

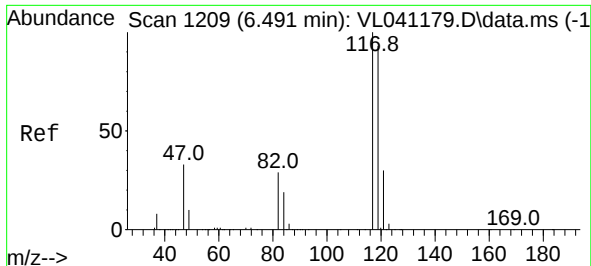
Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

72 0.0 17.3 25.9#

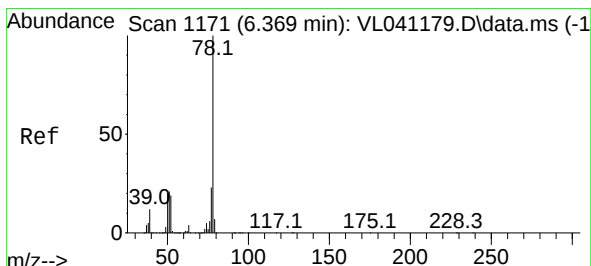
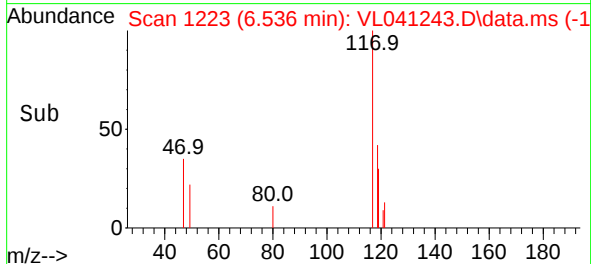
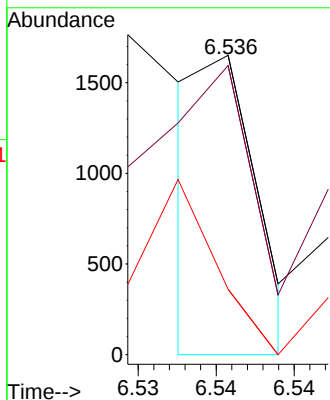
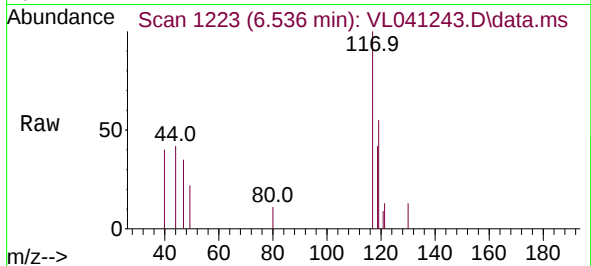




#35
Carbon Tetrachloride
Concen: 0.003 ppbv
RT: 6.536 min Scan# 1178
Delta R.T. 0.022 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

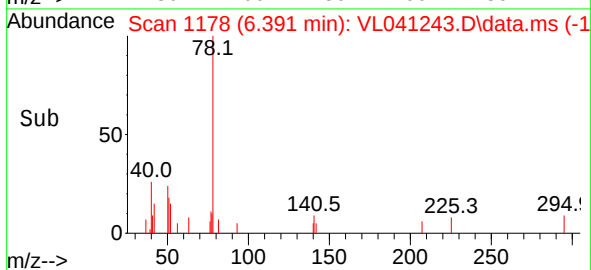
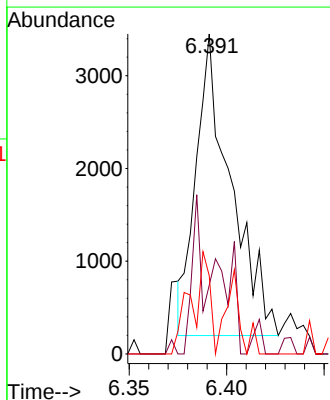
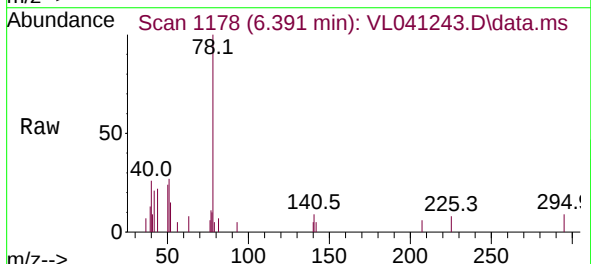
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

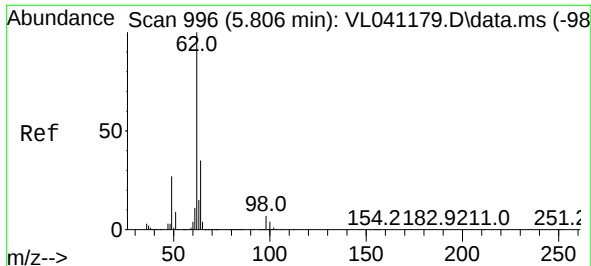
Tgt Ion:117 Resp: 393
Ion Ratio Lower Upper
117 100
119 100.4 74.3 111.5
121 28.6 23.8 35.8



#36
Benzene
Concen: 0.023 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion: 78 Resp: 4043
Ion Ratio Lower Upper
78 100
77 22.8 18.3 27.5
50 25.9 15.9 23.9#

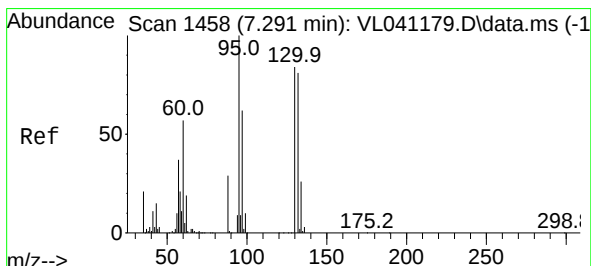
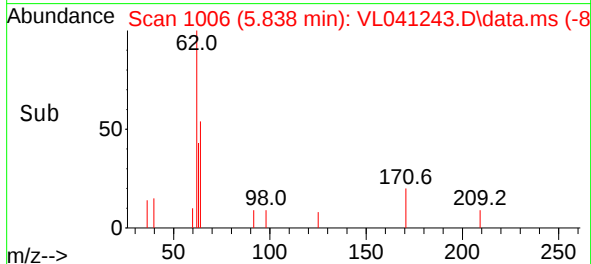
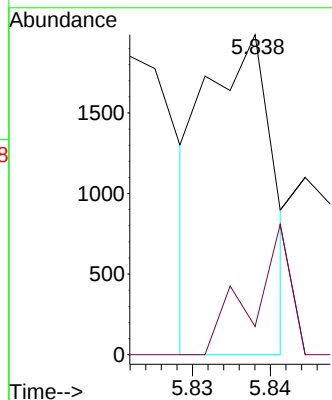
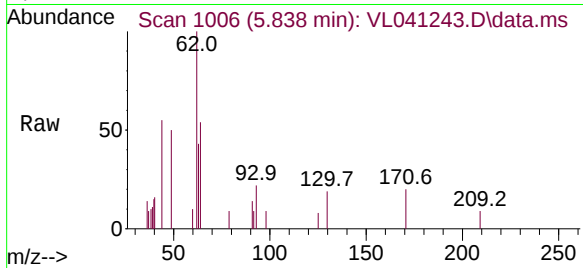




#37
1,2-Dichloroethane
Concen: 0.013 ppbv
RT: 5.838 min Scan# 1006
Delta R.T. 0.010 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

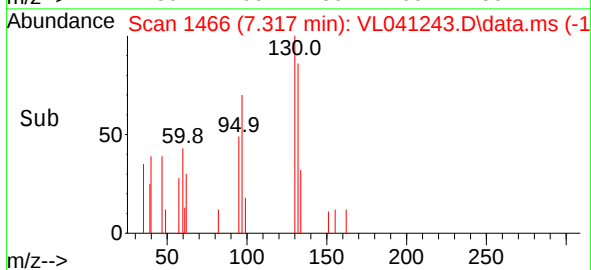
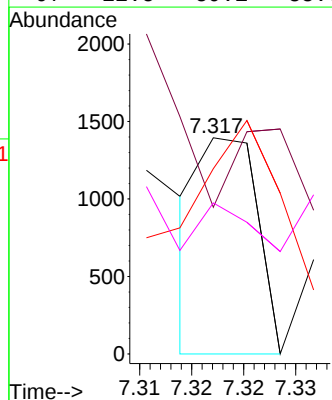
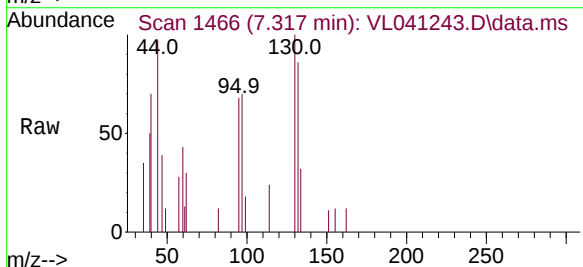
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

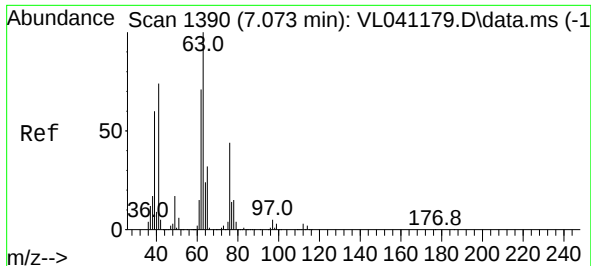
Tgt Ion: 62 Resp: 1206
Ion Ratio Lower Upper
62 100
98 0.0 5.0 7.4#



#38
Trichloroethene
Concen: 0.008 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion:130 Resp: 531
Ion Ratio Lower Upper
130 100
95 0.0 95.0 142.6#
132 27.4 77.0 115.4#
97 22.5 59.1 88.7#





#39

1,2-Dichloropropane

Concen: 0.079 ppbv

RT: 6.732 min Scan# 1471

Delta R.T. -0.360 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

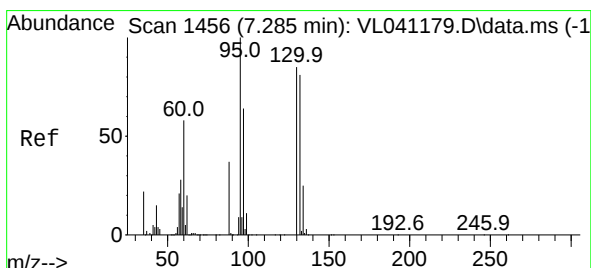
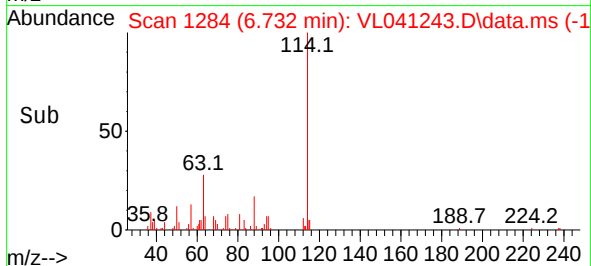
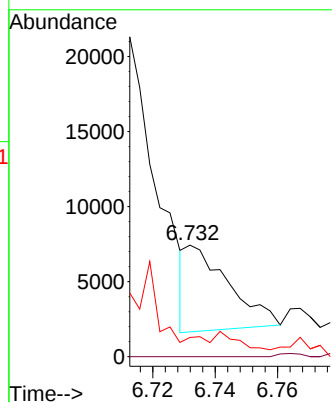
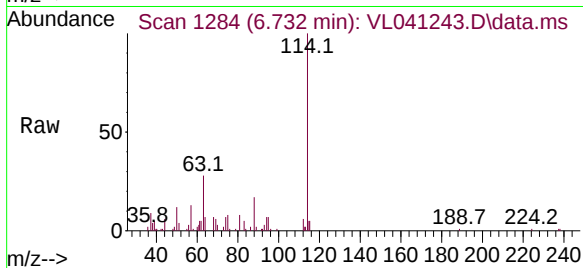
Tgt Ion: 63 Resp: 5441

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 12.1 56.8 85.2#



#40

1,4-Dioxane

Concen: 0.005 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.032 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Tgt Ion: 88 Resp: 117

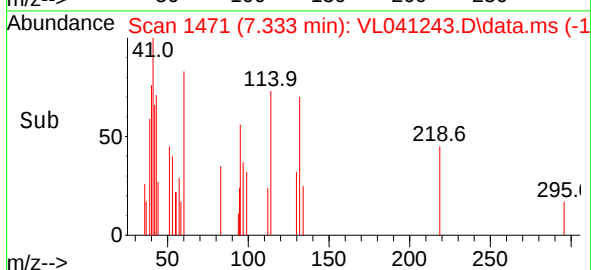
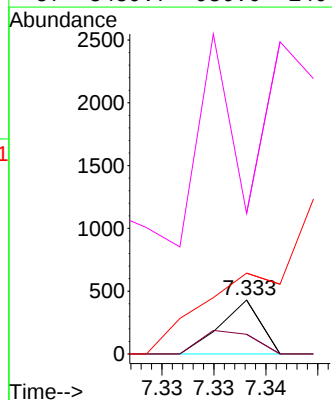
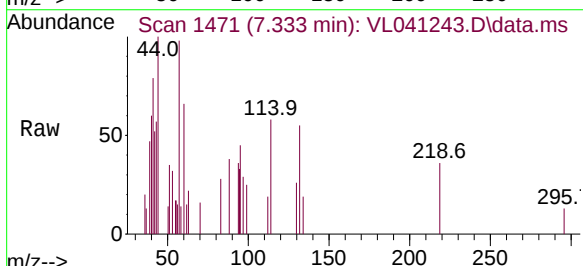
Ion Ratio Lower Upper

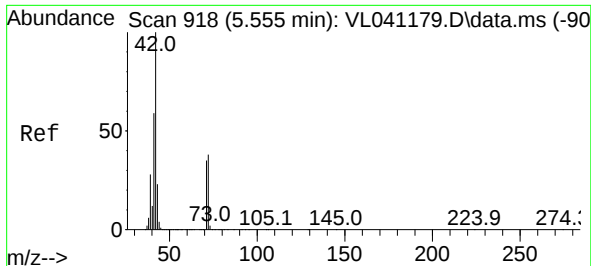
88 100

58 152.1 106.1 159.1

43 2123.1 219.8 329.6#

57 8489.7 936.0 1404.0#





#41

Tetrahydrofuran

Concen: 0.000 ppbv

RT: 5.590 min Scan# 91

Delta R.T. 0.013 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

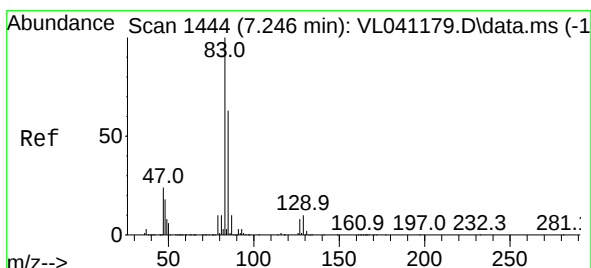
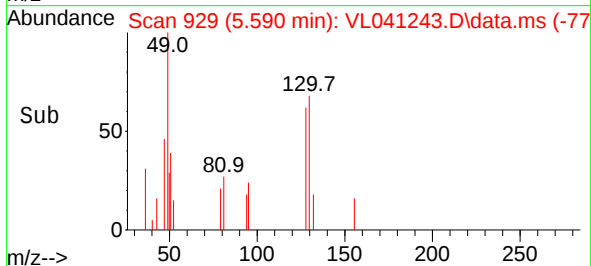
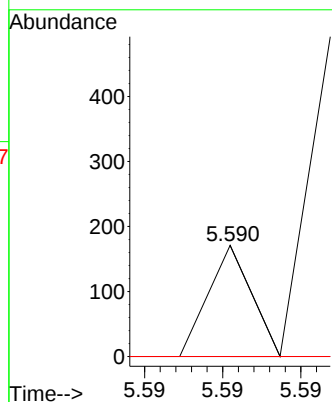
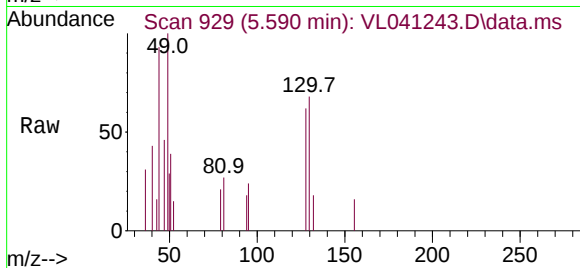
Tgt Ion: 42 Resp: 33

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 0.0 29.1 43.7#



#42

Bromodichloromethane

Concen: 0.010 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

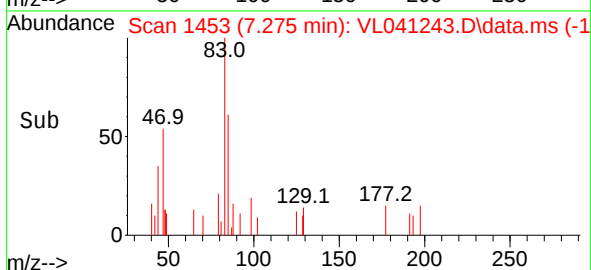
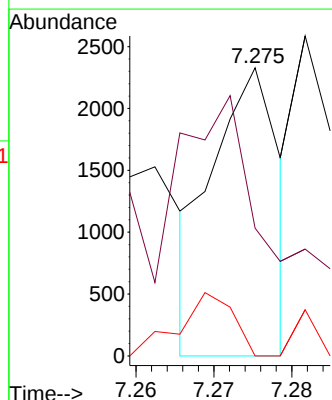
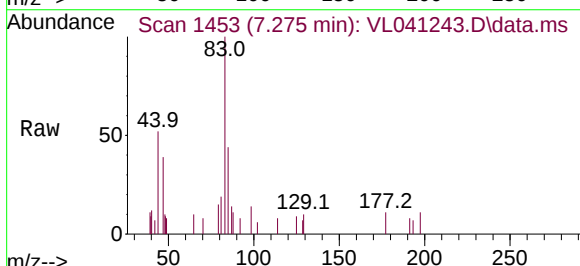
Tgt Ion: 83 Resp: 1385

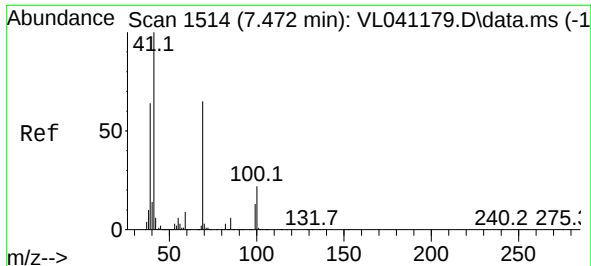
Ion Ratio Lower Upper

83 100

85 23.2 50.6 75.8#

127 0.0 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 7.491 min Scan# 1475

Delta R.T. -0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

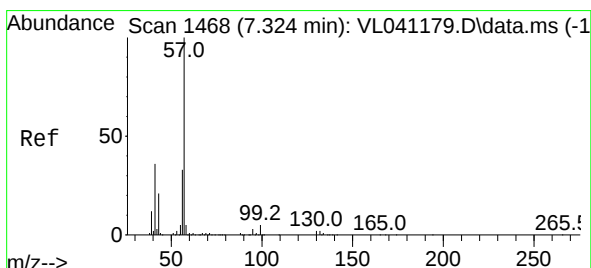
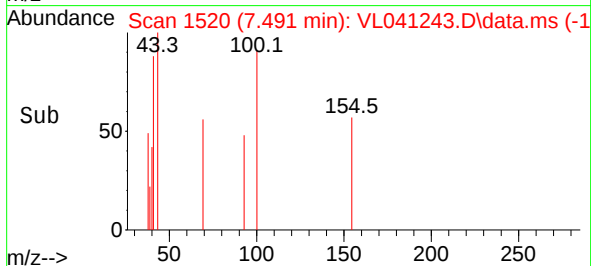
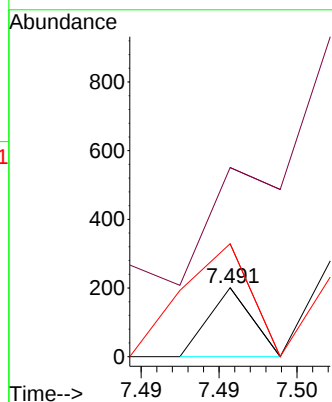
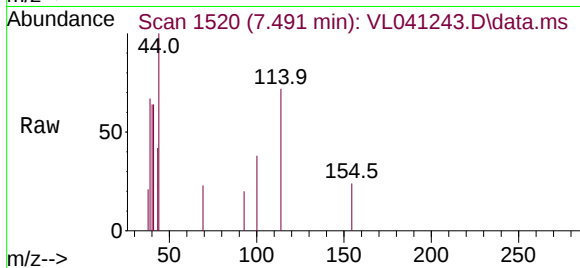
Tgt Ion: 69 Resp: 39

Ion Ratio Lower Upper

69 100

41 0.0 125.2 187.8#

100 0.0 26.7 40.1#



#44

2,2,4-Trimethylpentane

Concen: 0.016 ppbv

RT: 7.346 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

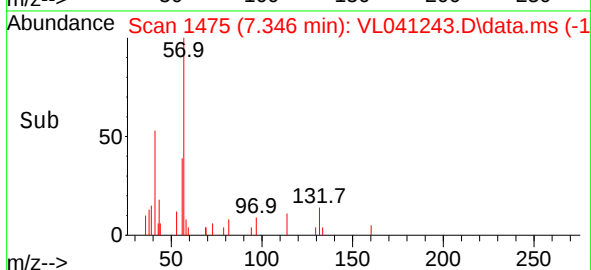
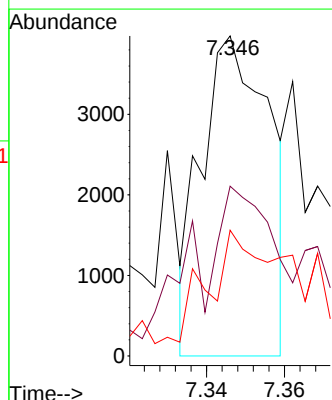
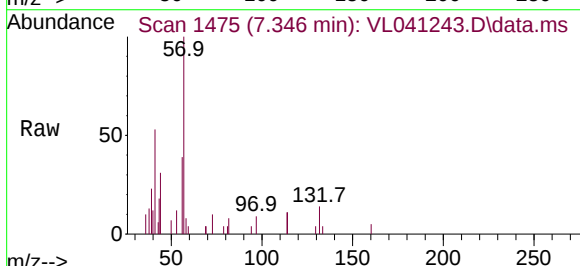
Tgt Ion: 57 Resp: 4819

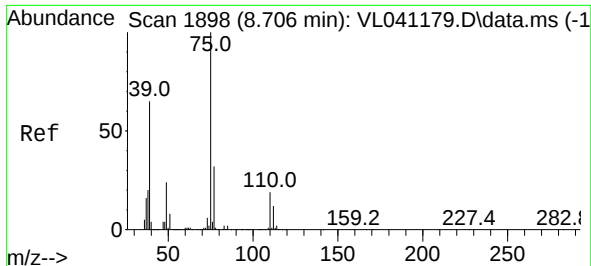
Ion Ratio Lower Upper

57 100

41 94.4 29.5 44.3#

56 68.9 25.3 37.9#





#45

t-1,3-Dichloropropene

Concen: 0.003 ppbv

RT: 8.735 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

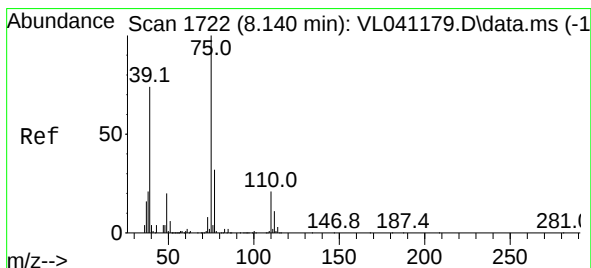
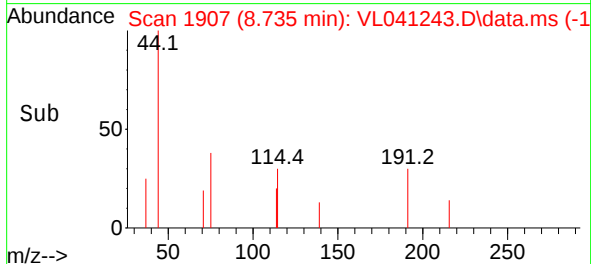
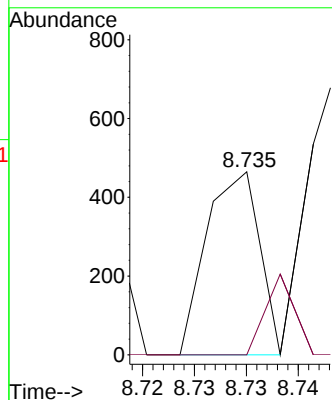
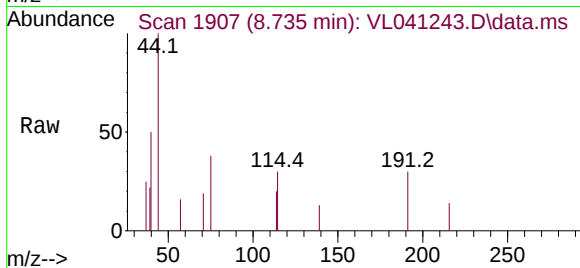
LOQ-AIR-02-QT2-2024

Tgt Ion: 75 Resp: 165

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#



#46

cis-1,3-Dichloropropene

Concen: 0.021 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

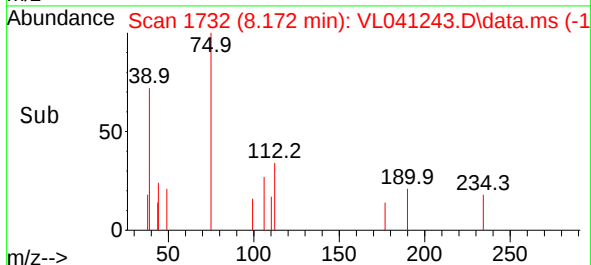
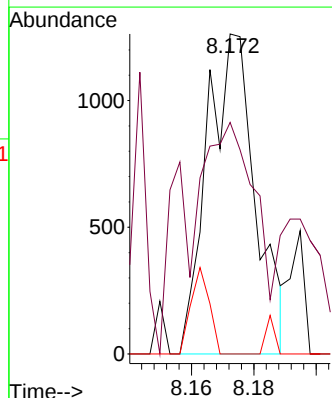
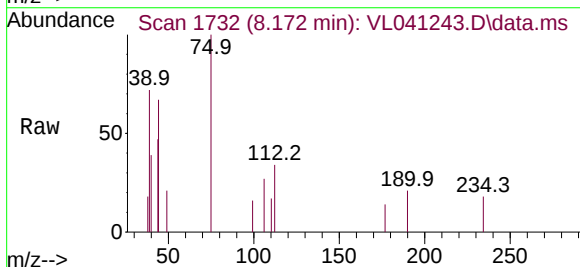
Tgt Ion: 75 Resp: 1355

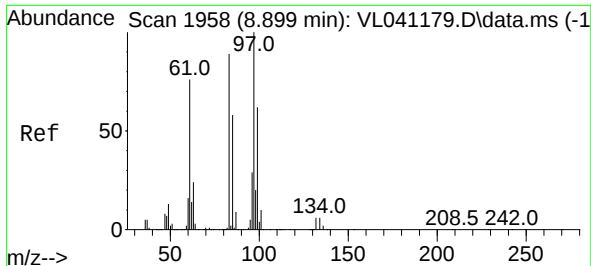
Ion Ratio Lower Upper

75 100

39 35.4 59.4 89.2#

77 0.0 25.9 38.9#





#47

1,1,2-Trichloroethane

Concen: 0.015 ppbv

RT: 8.925 min Scan# 1958

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

Tgt Ion: 97 Resp: 1064

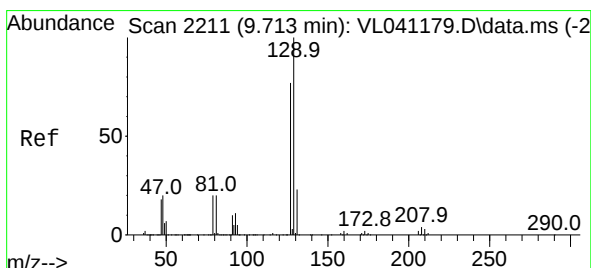
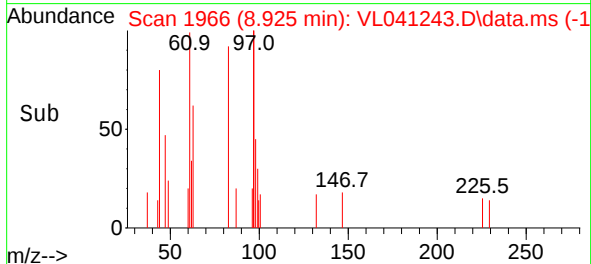
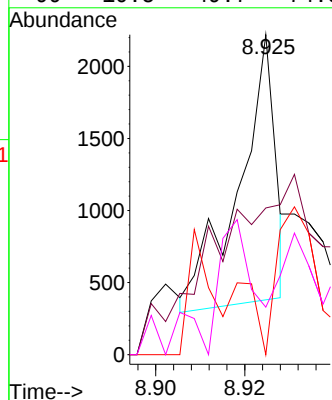
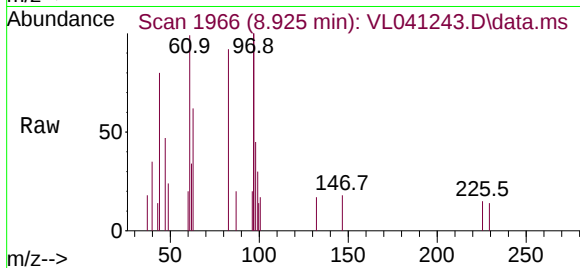
Ion Ratio Lower Upper

97 100

83 32.5 71.2 106.8#

85 0.0 46.0 69.0#

99 10.5 49.7 74.5#



#48

Dibromochloromethane

Concen: 0.007 ppbv

RT: 9.738 min Scan# 2219

Delta R.T. 0.006 min

Lab File: VL041243.D

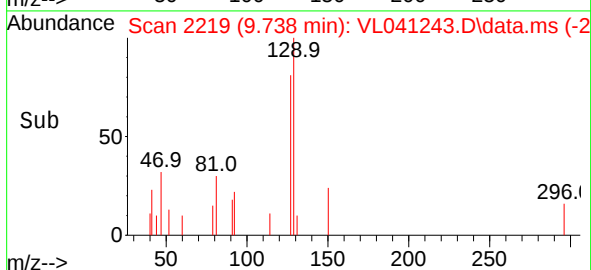
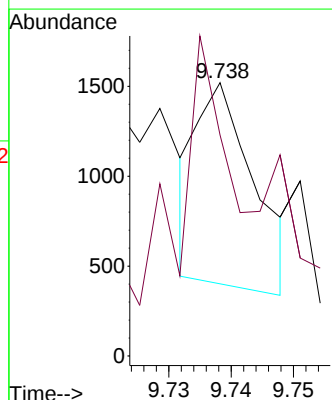
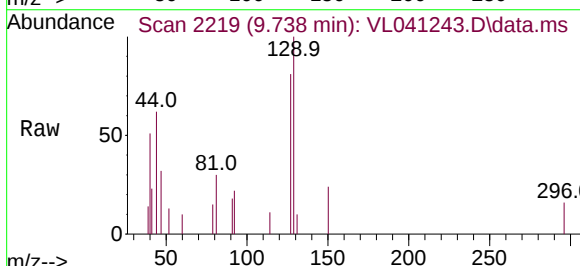
Acq: 8 May 2024 14:30

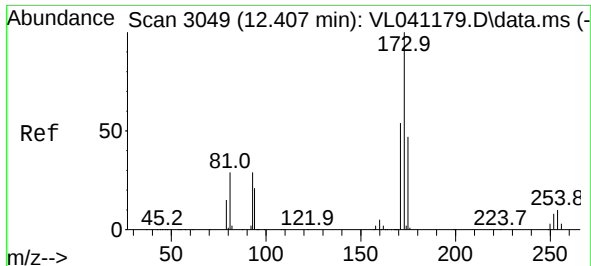
Tgt Ion: 129 Resp: 714

Ion Ratio Lower Upper

129 100

127 311.3 39.1 117.5#





#49

Bromoform

Concen: 0.009 ppbv

RT: 12.429 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL041243.D

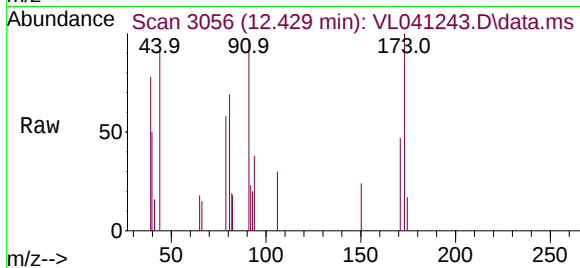
Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024



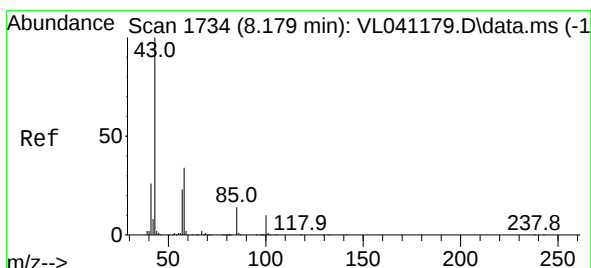
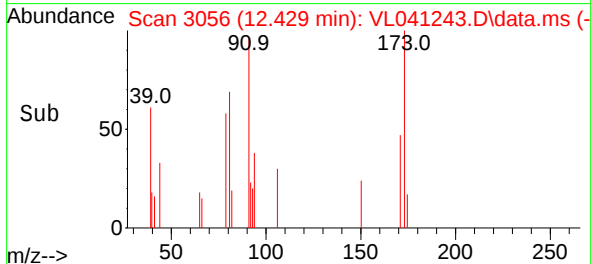
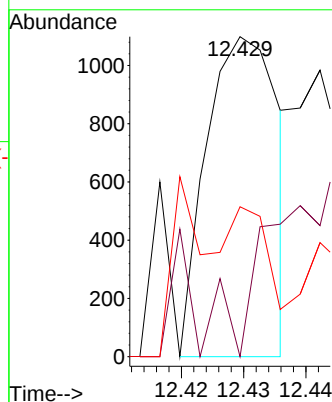
Tgt Ion:173 Resp: 885

Ion Ratio Lower Upper

173 100

175 0.0 39.8 59.8#

171 0.0 41.8 62.8#



#50

4-Methyl-2-Pentanone

Concen: 0.003 ppbv

RT: 8.233 min Scan# 1751

Delta R.T. 0.032 min

Lab File: VL041243.D

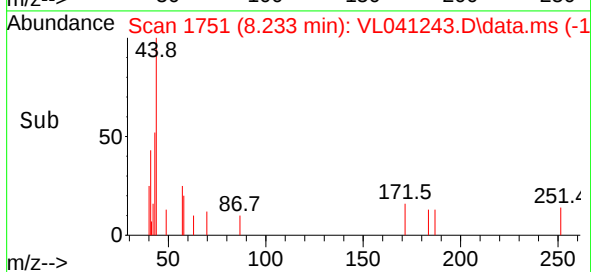
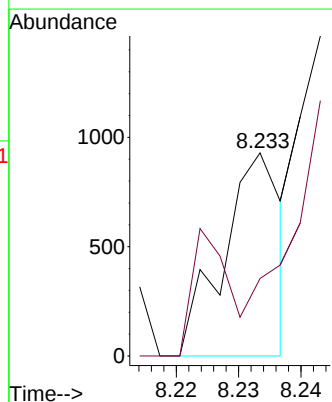
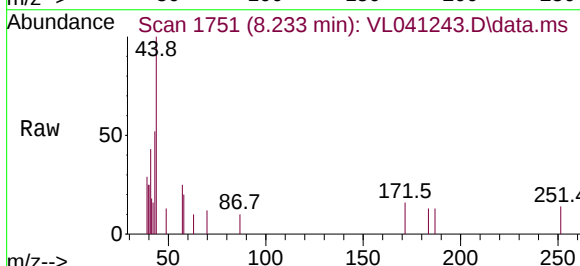
Acq: 8 May 2024 14:30

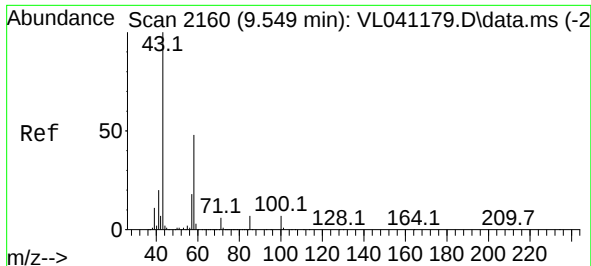
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#

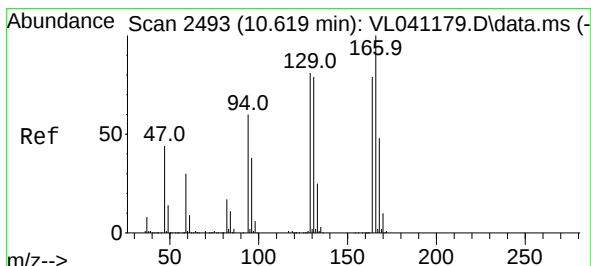
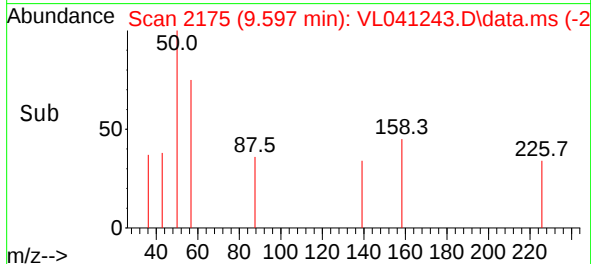
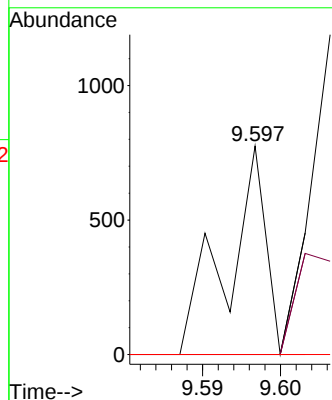
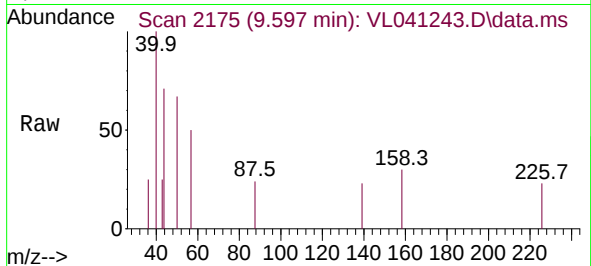




#51
2-Hexanone
Concen: 0.002 ppbv
RT: 9.597 min Scan# 2160
Delta R.T. 0.029 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

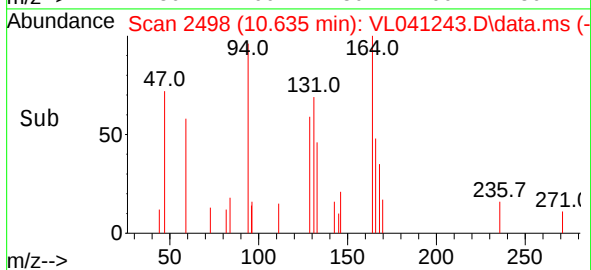
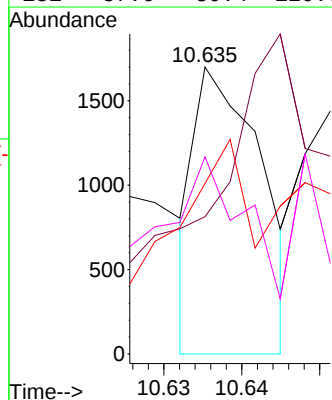
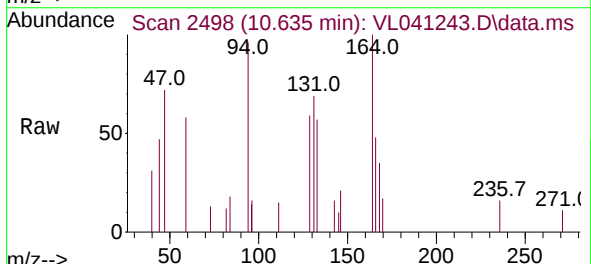
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

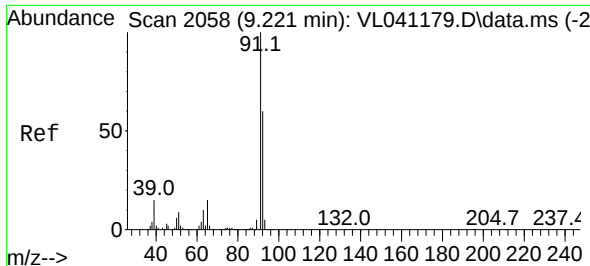
Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 11.6 38.4 57.6#
98 34.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 0.016 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion: 164 Resp: 1009
Ion Ratio Lower Upper
164 100
166 7.5 101.1 151.7#
129 27.1 81.7 122.5#
131 87.6 80.4 120.6





#53

Toluene

Concen: 0.013 ppbv

RT: 9.240 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

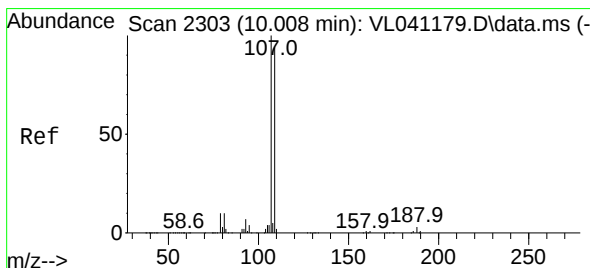
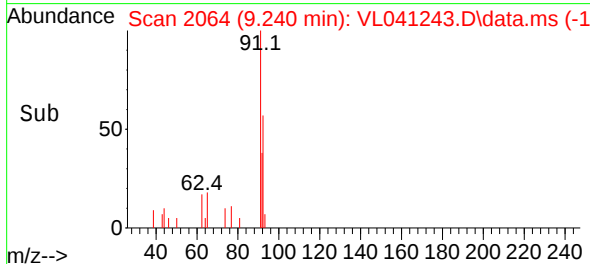
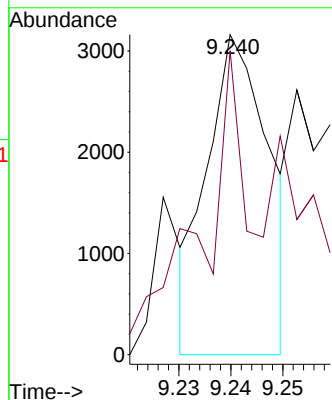
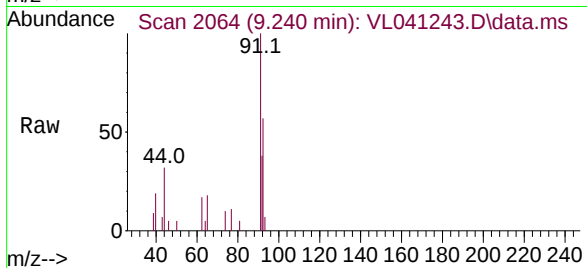
LOQ-AIR-02-QT2-2024

Tgt Ion: 91 Resp: 2603

Ion Ratio Lower Upper

91 100

92 145.6 48.2 72.4#



#54

1,2-Dibromoethane

Concen: 0.006 ppbv

RT: 10.044 min Scan# 2314

Delta R.T. 0.013 min

Lab File: VL041243.D

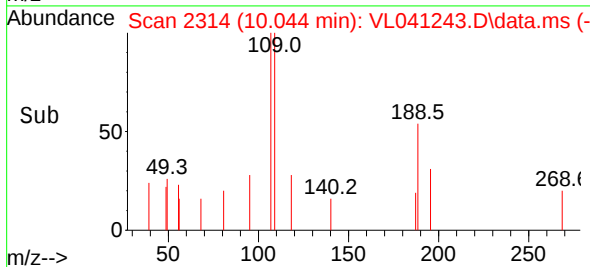
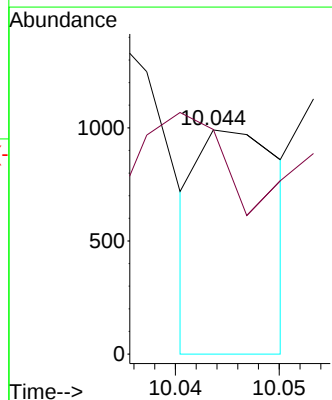
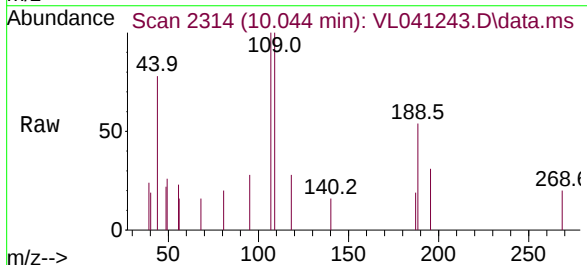
Acq: 8 May 2024 14:30

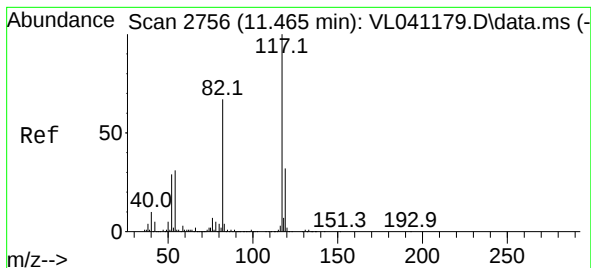
Tgt Ion: 107 Resp: 544

Ion Ratio Lower Upper

107 100

109 83.2 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.494 min Scan# 2756

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

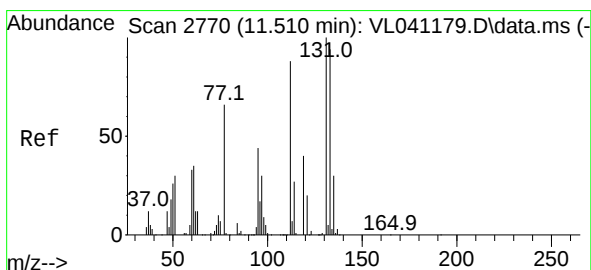
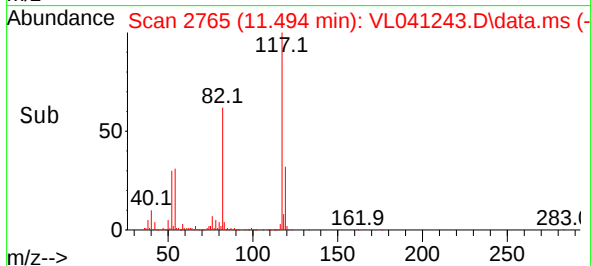
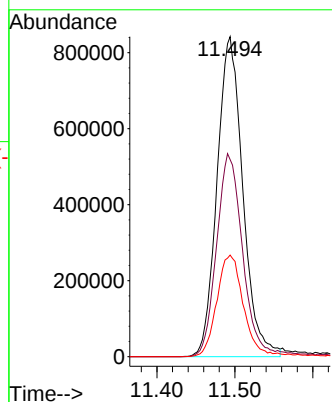
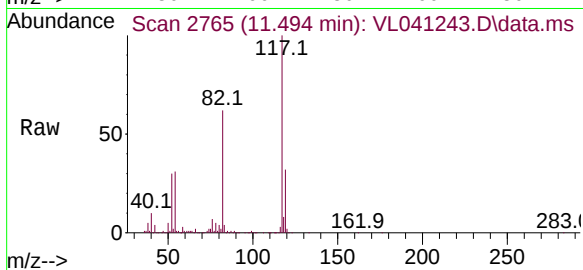
Tgt Ion:117 Resp: 1939790

Ion Ratio Lower Upper

117 100

82 66.0 53.6 80.4

119 33.7 27.2 40.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.011 ppbv

RT: 11.532 min Scan# 2777

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

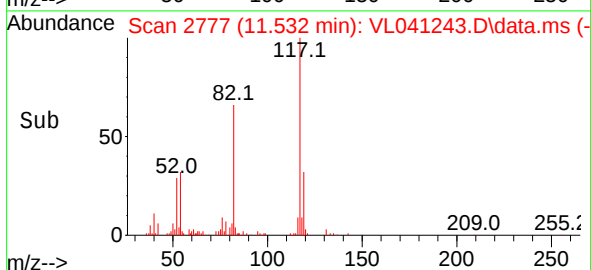
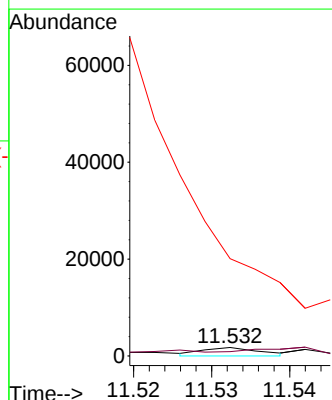
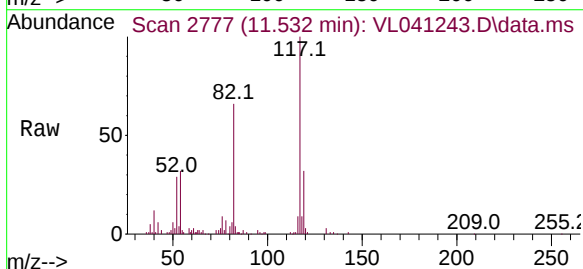
Tgt Ion:131 Resp: 893

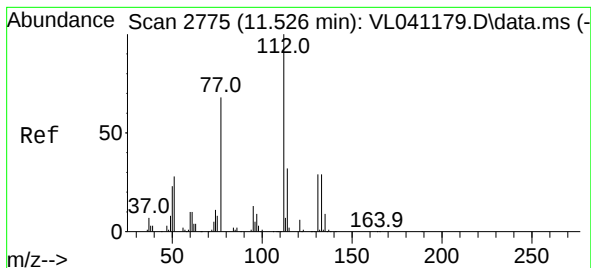
Ion Ratio Lower Upper

131 100

133 0.0 76.3 114.5#

119 0.0 49.4 74.2#





#57

Chlorobenzene

Concen: 0.009 ppbv

RT: 11.552 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

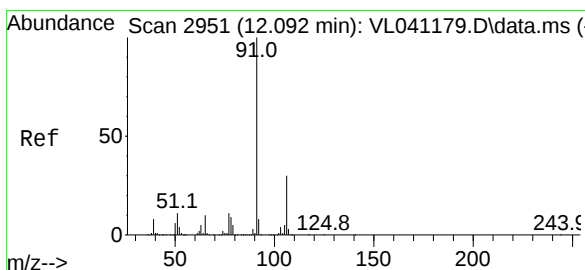
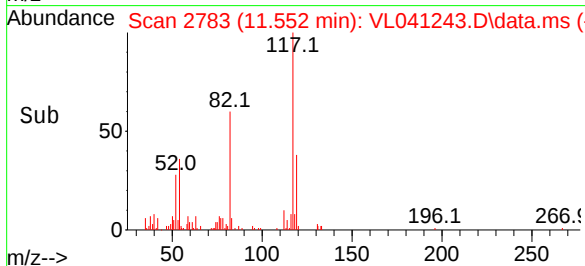
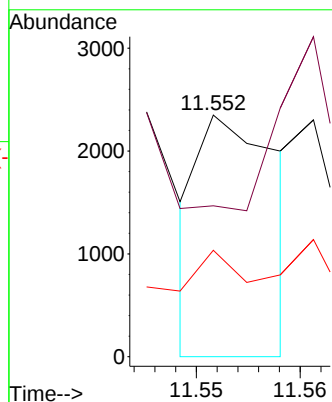
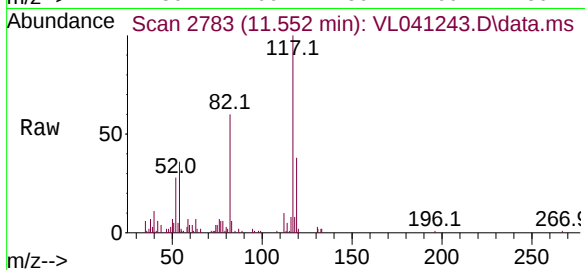
Tgt Ion:112 Resp: 1240

Ion Ratio Lower Upper

112 100

77 3.1 54.9 82.3#

114 47.1 28.7 35.1#



#58

Ethyl Benzene

Concen: 0.007 ppbv

RT: 12.355 min Scan# 3033

Delta R.T. 0.244 min

Lab File: VL041243.D

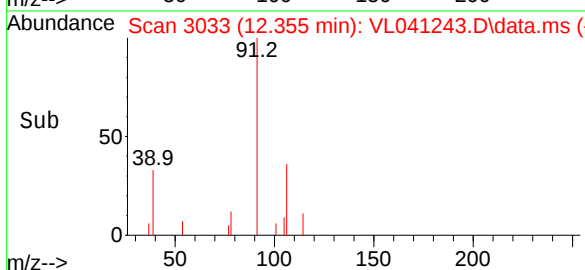
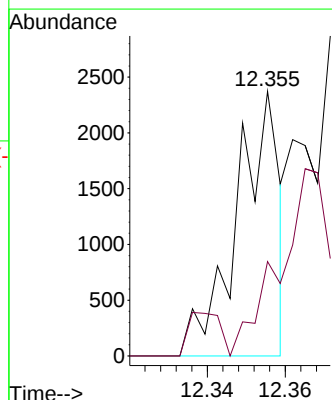
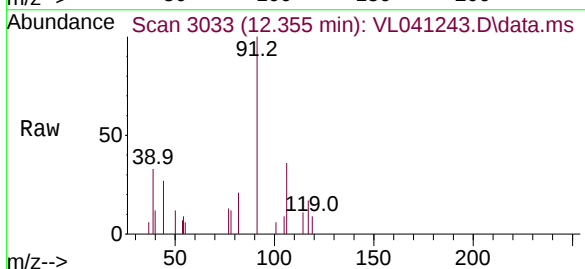
Acq: 8 May 2024 14:30

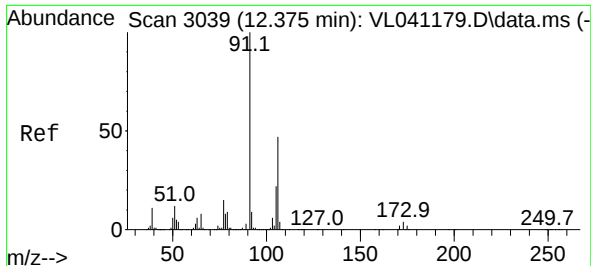
Tgt Ion: 91 Resp: 1800

Ion Ratio Lower Upper

91 100

106 35.7 24.3 36.5





#59

m/p-Xylene

Concen: 0.005 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

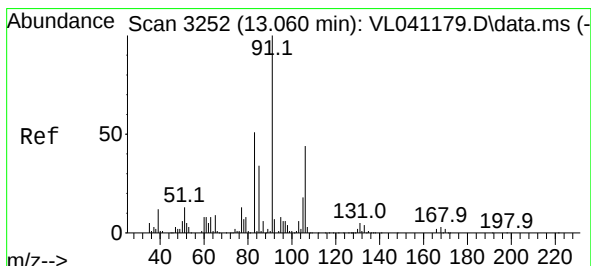
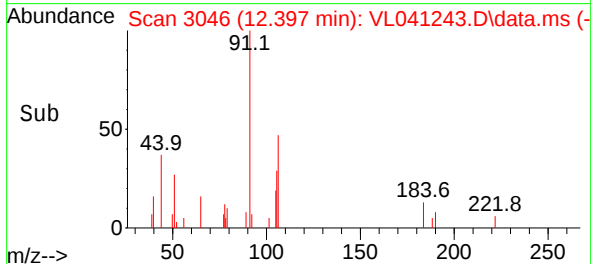
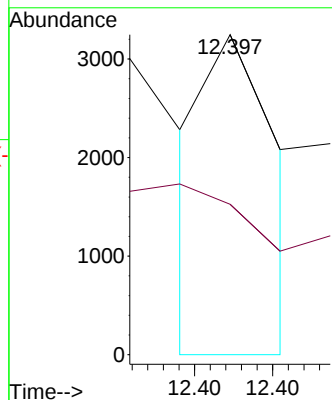
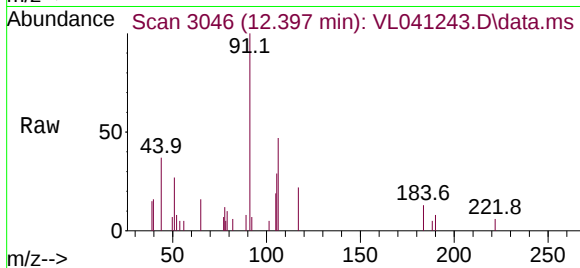
LOQ-AIR-02-QT2-2024

Tgt Ion: 91 Resp: 1026

Ion Ratio Lower Upper

91 100

106 523.1 35.7 53.5#



#60

o-Xylene

Concen: 0.010 ppbv

RT: 13.085 min Scan# 3260

Delta R.T. 0.006 min

Lab File: VL041243.D

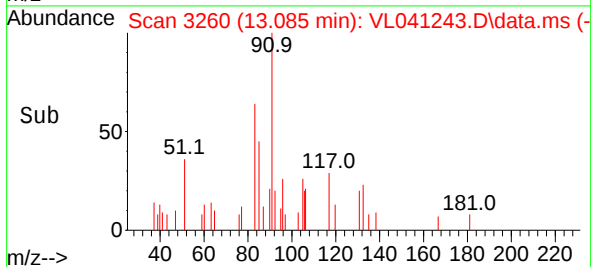
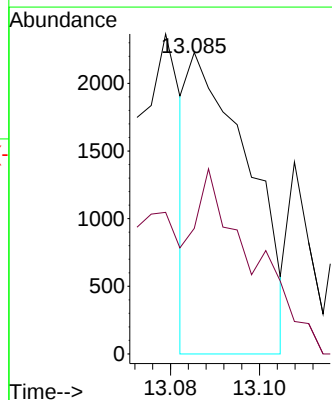
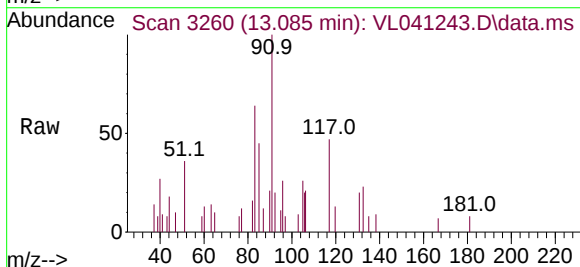
Acq: 8 May 2024 14:30

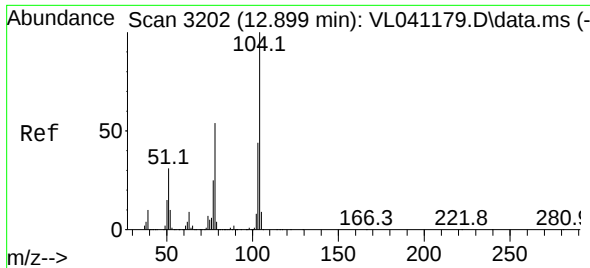
Tgt Ion: 91 Resp: 2090

Ion Ratio Lower Upper

91 100

106 116.9 22.4 67.3#





#61

Styrene

Concen: 0.011 ppbv

RT: 12.931 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

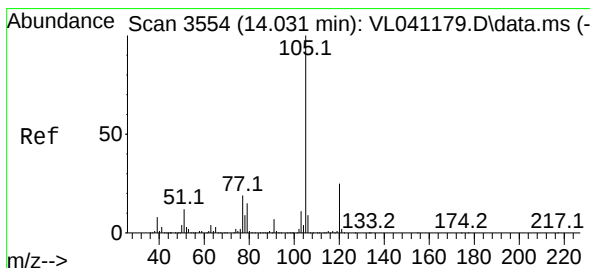
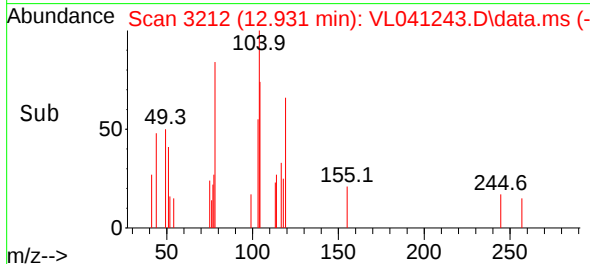
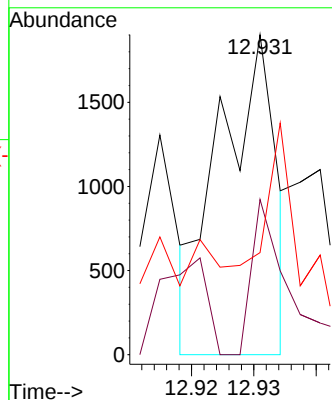
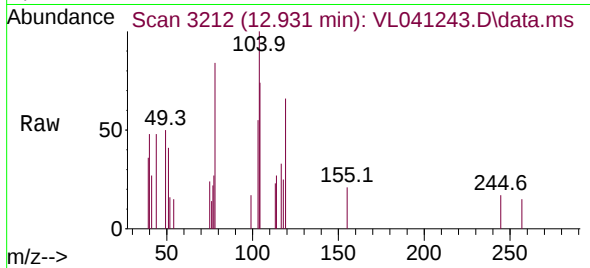
Tgt Ion:104 Resp: 1195

Ion Ratio Lower Upper

104 100

78 91.0 42.6 63.8#

103 112.7 38.4 57.6#



#62

Isopropylbenzene

Concen: 0.009 ppbv

RT: 14.056 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL041243.D

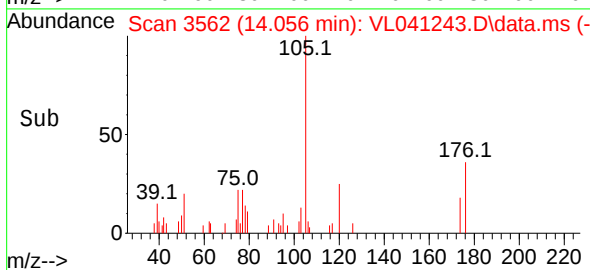
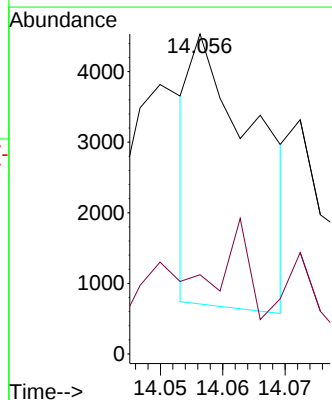
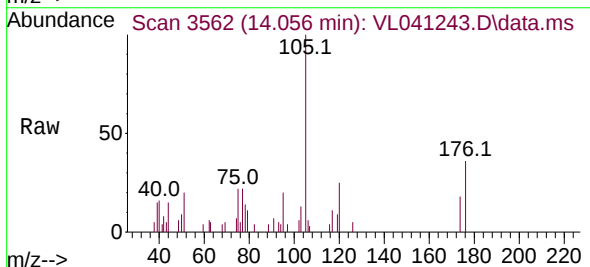
Acq: 8 May 2024 14:30

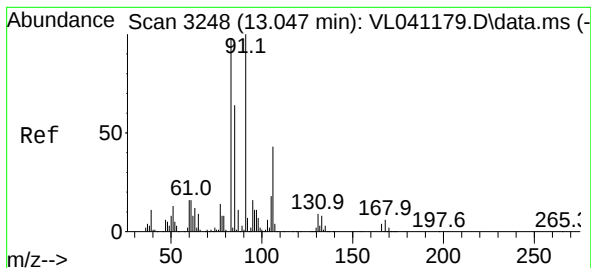
Tgt Ion:105 Resp: 2754

Ion Ratio Lower Upper

105 100

120 95.8 20.2 30.2#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.006 ppbv

RT: 13.076 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

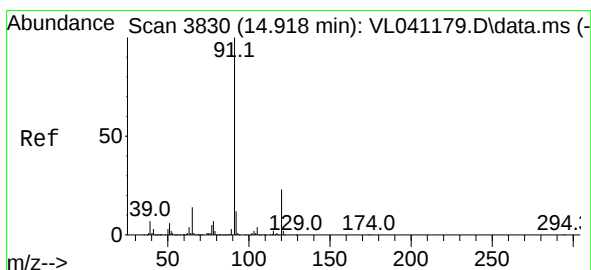
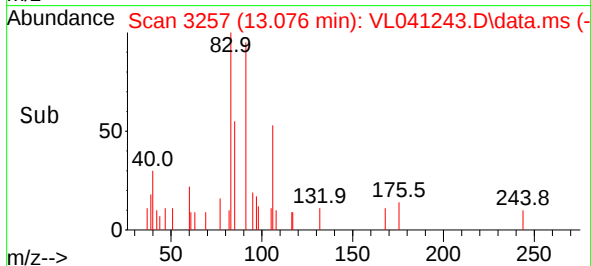
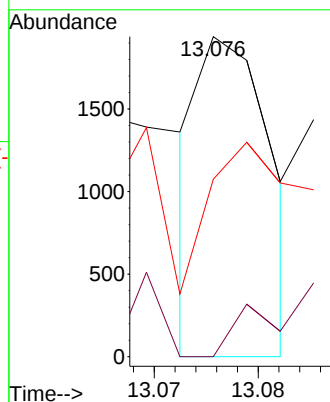
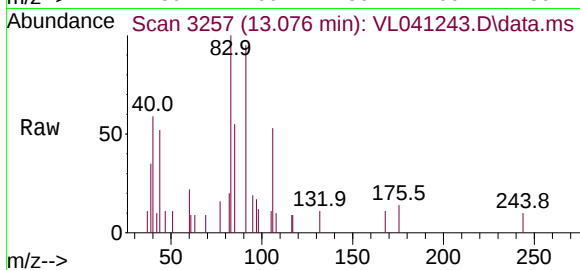
Tgt Ion: 83 Resp: 925

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.7 98.1#



#64

n-propylbenzene

Concen: 0.008 ppbv

RT: 14.941 min Scan# 3837

Delta R.T. 0.006 min

Lab File: VL041243.D

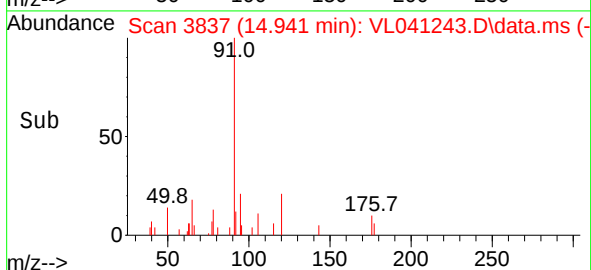
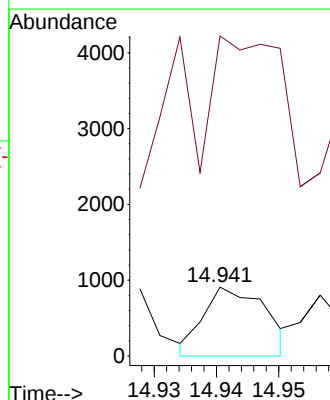
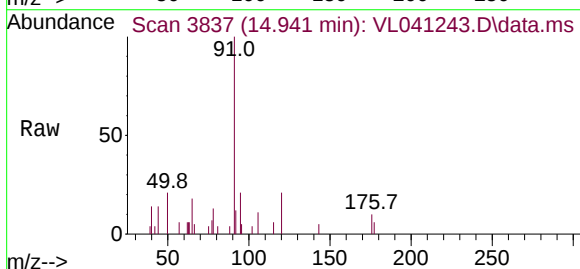
Acq: 8 May 2024 14:30

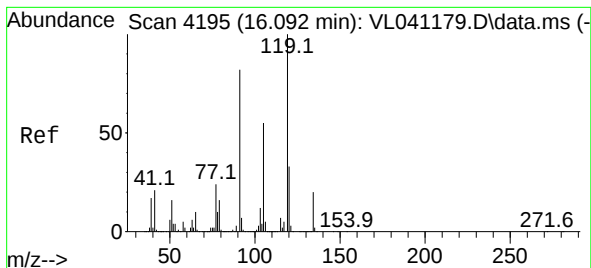
Tgt Ion:120 Resp: 625

Ion Ratio Lower Upper

120 100

91 1745.0 384.8 577.2#





#65

tert-Butylbenzene

Concen: 0.003 ppbv

RT: 16.114 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

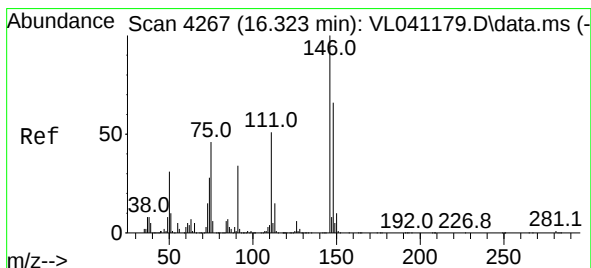
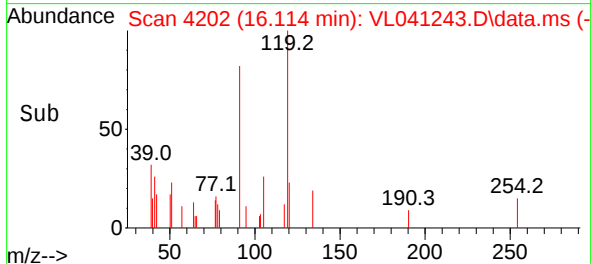
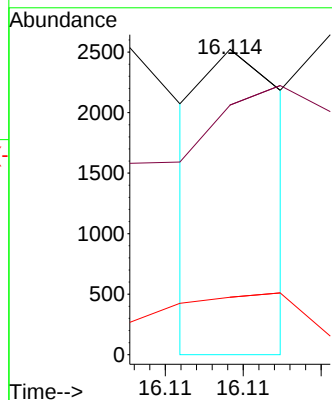
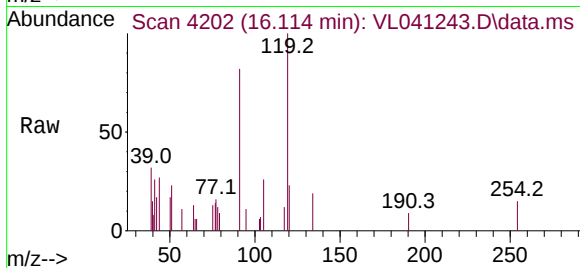
Tgt Ion:119 Resp: 909

Ion Ratio Lower Upper

119 100

91 0.0 67.0 100.4#

134 0.0 15.2 22.8#



#66

Benzyl Chloride

Concen: 0.005 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. -0.000 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

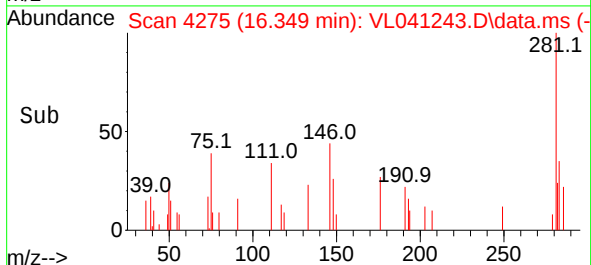
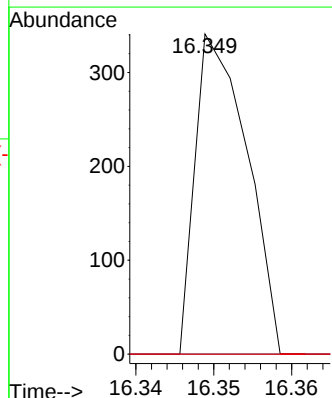
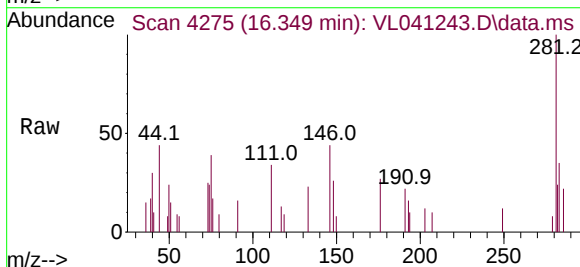
Tgt Ion: 91 Resp: 157

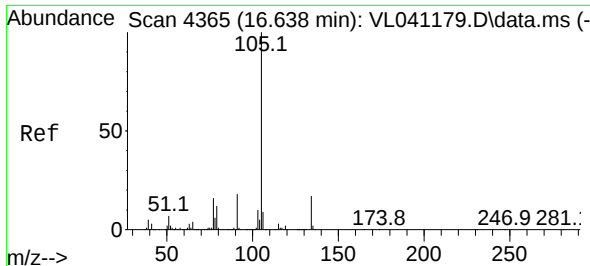
Ion Ratio Lower Upper

91 100

126 170.1 14.6 21.8#

128 0.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.012 ppbv

RT: 16.667 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

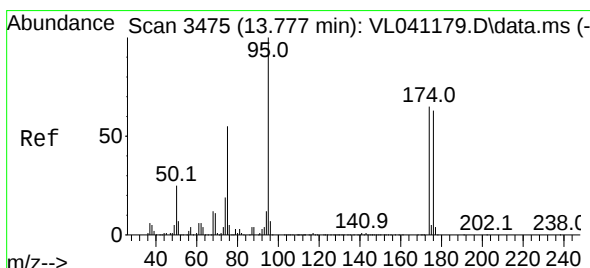
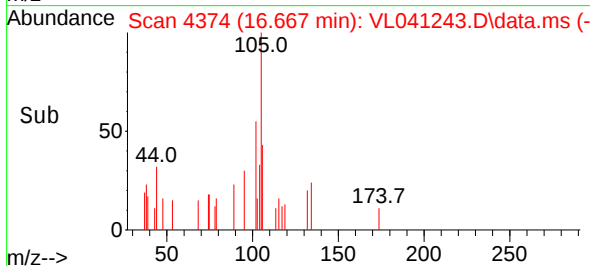
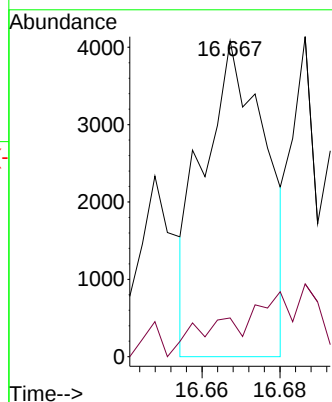
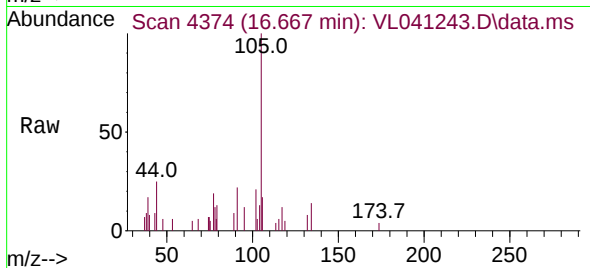
LOQ-AIR-02-QT2-2024

Tgt Ion:105 Resp: 4552

Ion Ratio Lower Upper

105 100

134 0.0 13.8 20.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.961 ppbv

RT: 13.802 min Scan# 3483

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

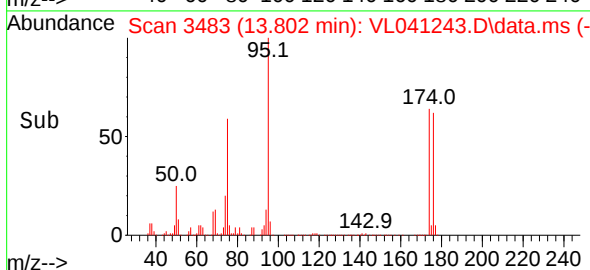
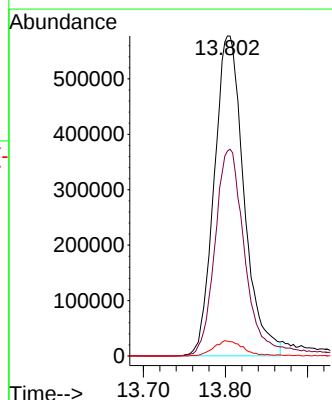
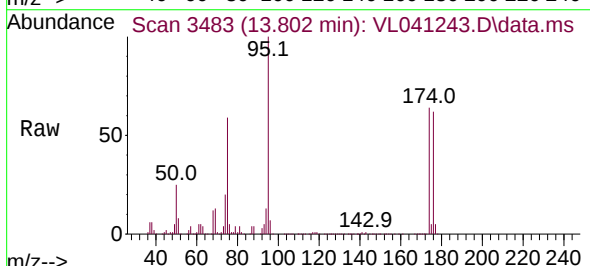
Tgt Ion: 95 Resp: 1458796

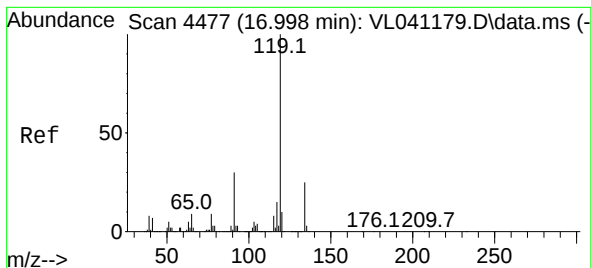
Ion Ratio Lower Upper

95 100

174 67.6 53.6 80.4

175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.008 ppbv

RT: 17.024 min Scan# 4477

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT2-2024

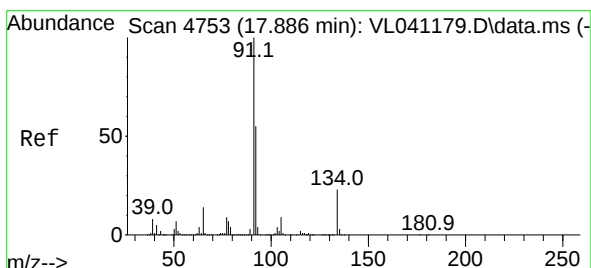
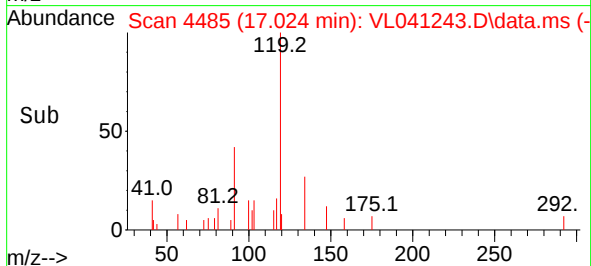
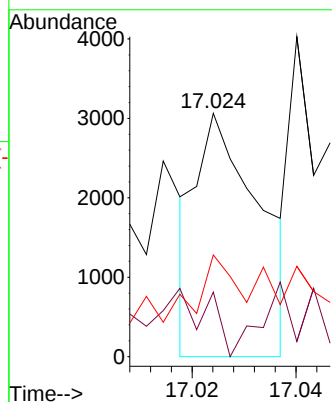
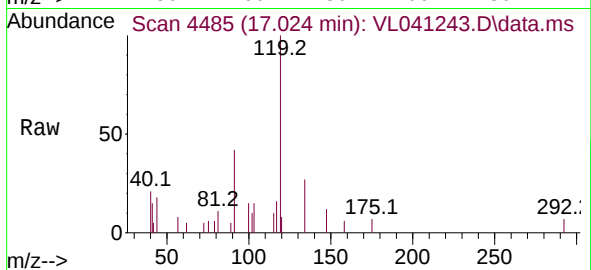
Tgt Ion:119 Resp: 2586

Ion Ratio Lower Upper

119 100

134 0.0 20.1 30.1#

91 109.2 24.2 36.2#



#70

n-Butylbenzene

Concen: 0.007 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. 0.016 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

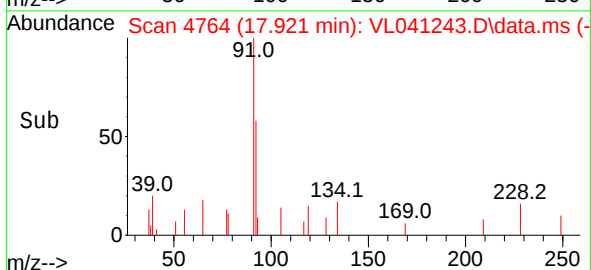
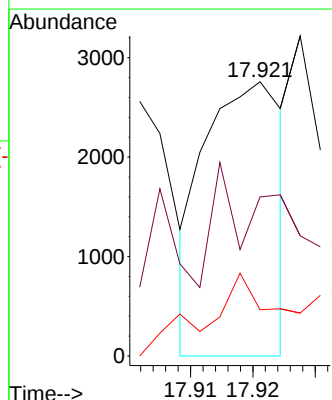
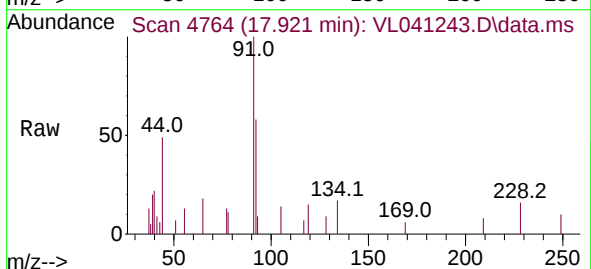
Tgt Ion: 91 Resp: 2389

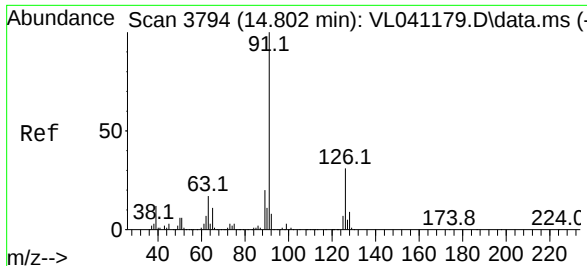
Ion Ratio Lower Upper

91 100

92 0.0 43.3 64.9#

134 0.0 17.8 26.8#

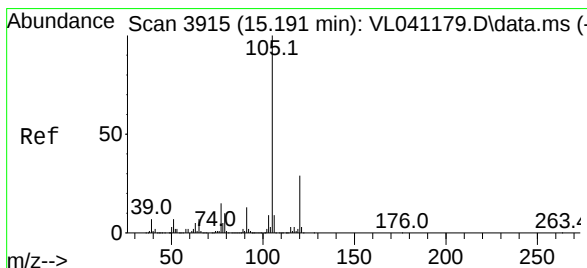
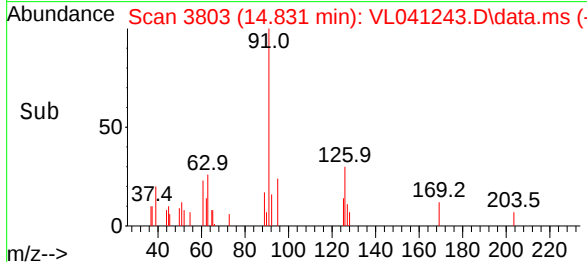
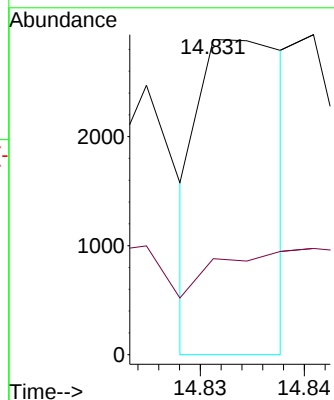
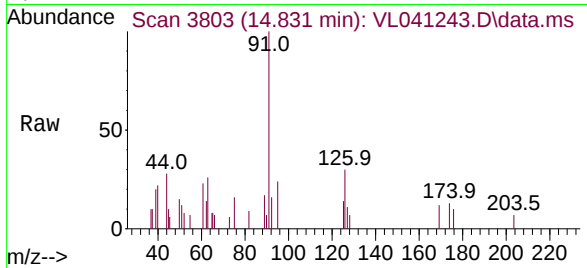




#71
2-Chlorotoluene
Concen: 0.007 ppbv
RT: 14.831 min Scan# 3794
Delta R.T. 0.010 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

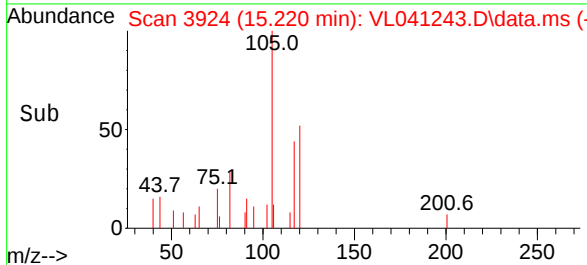
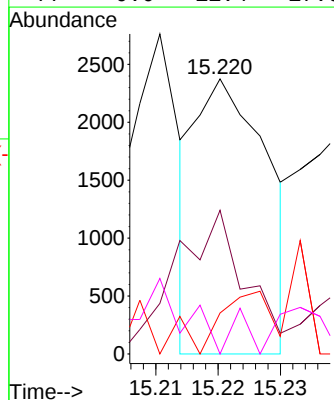
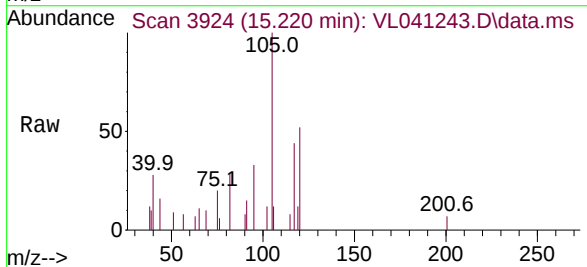
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

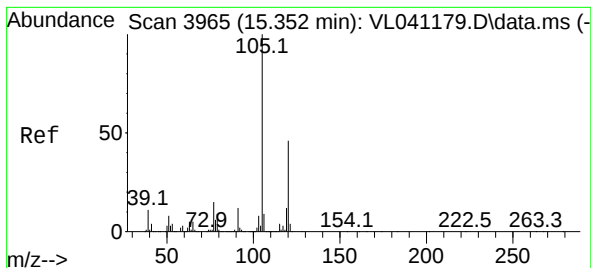
Tgt Ion: 91 Resp: 1652
Ion Ratio Lower Upper
91 100
126 0.0 12.2 48.8#



#72
4-Ethyltoluene
Concen: 0.008 ppbv
RT: 15.220 min Scan# 3924
Delta R.T. 0.010 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion: 105 Resp: 1905
Ion Ratio Lower Upper
105 100
120 94.8 24.7 37.1#
91 0.0 10.3 15.5#
77 0.0 11.4 17.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.007 ppbv

RT: 15.378 min Scan# 3965

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_1

ClientSampleId :

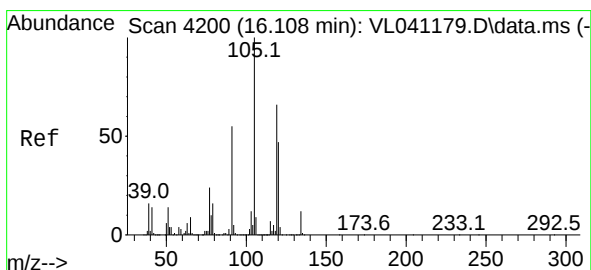
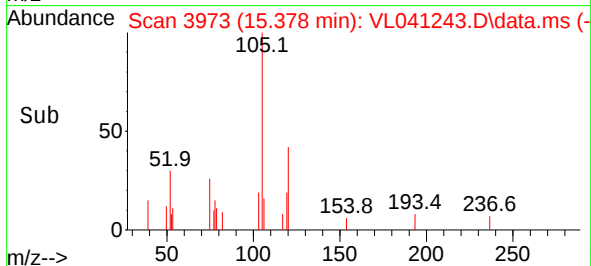
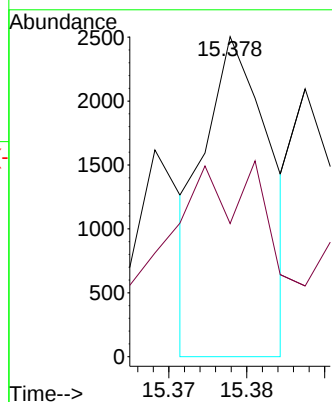
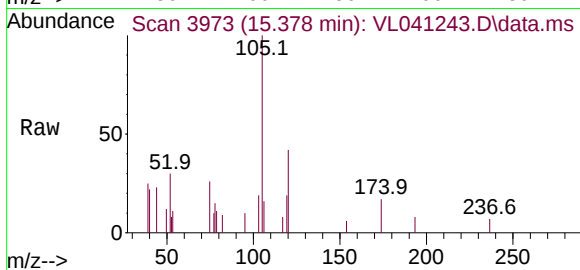
LOQ-AIR-02-QT2-2024

Tgt Ion:105 Resp: 1457

Ion Ratio Lower Upper

105 100

120 32.2 37.0 55.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.007 ppbv

RT: 16.133 min Scan# 4208

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Tgt Ion:105 Resp: 1654

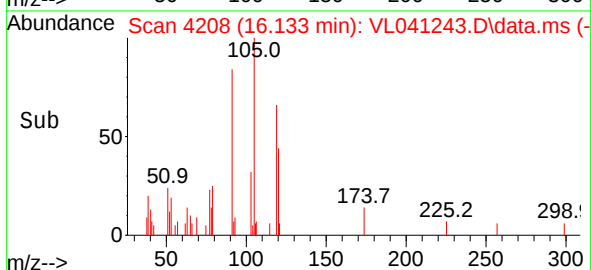
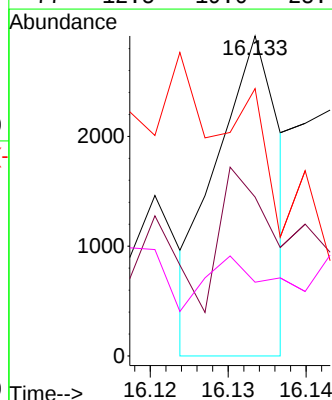
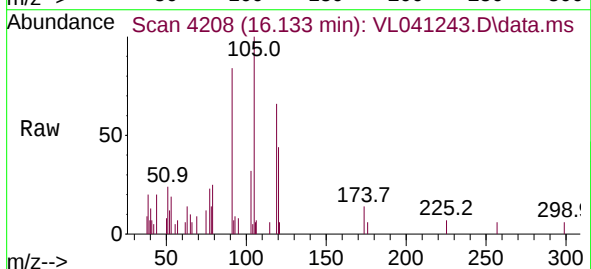
Ion Ratio Lower Upper

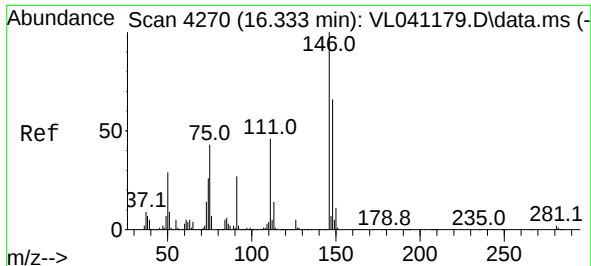
105 100

120 29.1 37.8 56.6#

91 63.6 44.3 66.5

77 12.5 19.0 28.4#

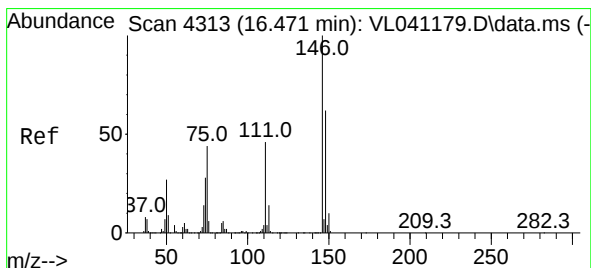
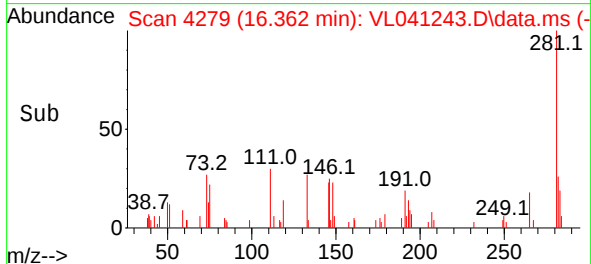
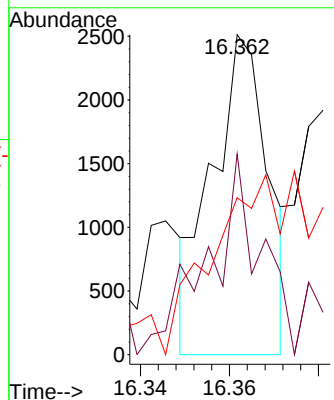
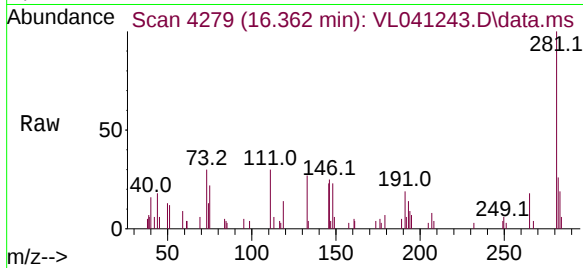




#75
1,3-Dichlorobenzene
Concen: 0.016 ppbv
RT: 16.362 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

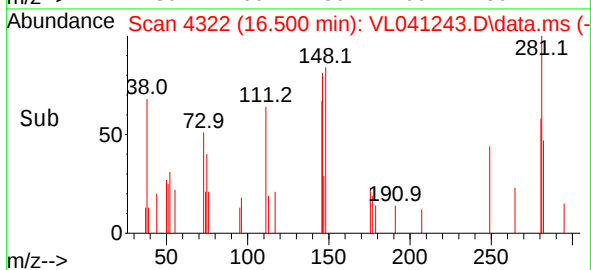
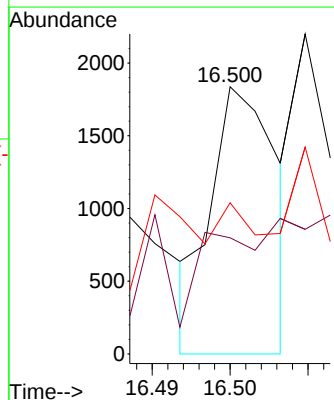
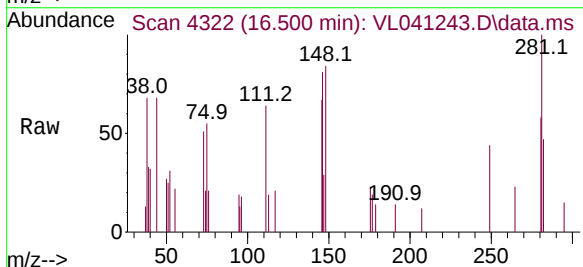
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2024

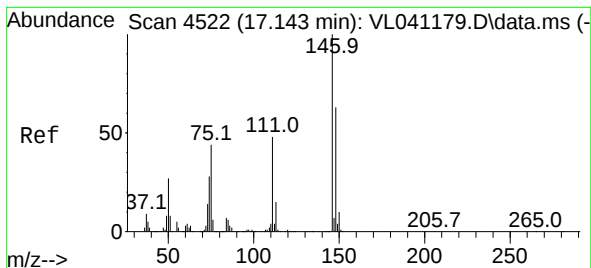
Tgt Ion:146 Resp: 2188
Ion Ratio Lower Upper
146 100
111 149.5 23.7 71.1#
148 0.0 32.5 97.4#



#76
1,4-Dichlorobenzene
Concen: 0.008 ppbv
RT: 16.500 min Scan# 4322
Delta R.T. 0.006 min
Lab File: VL041243.D
Acq: 8 May 2024 14:30

Tgt Ion:146 Resp: 1075
Ion Ratio Lower Upper
146 100
111 0.0 23.3 69.8#
148 0.0 32.6 97.7#





#77

1,2-Dichlorobenzene

Concen: 0.011 ppbv

RT: 17.175 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

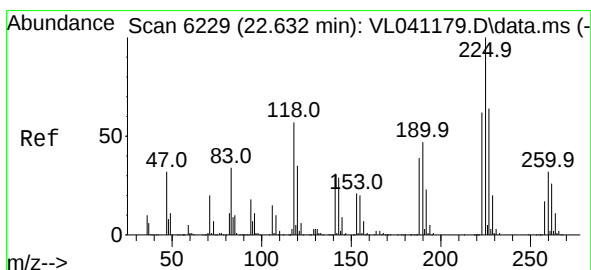
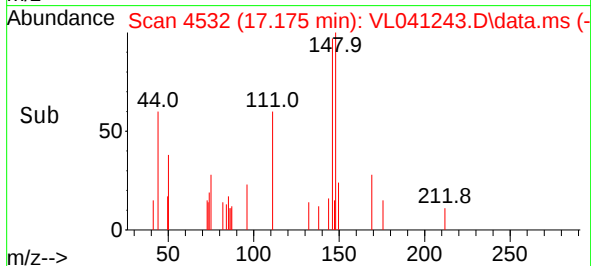
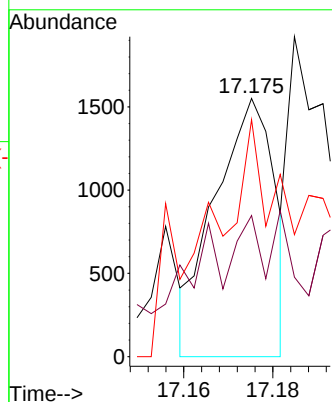
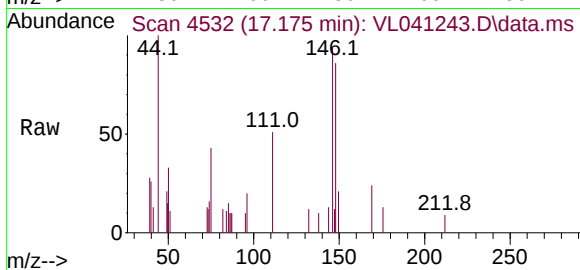
Tgt Ion:146 Resp: 1448

Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

148 195.2 32.6 98.0#



#78

Hexachloro-1,3-Butadiene

Concen: 0.009 ppbv

RT: 22.667 min Scan# 6240

Delta R.T. 0.010 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

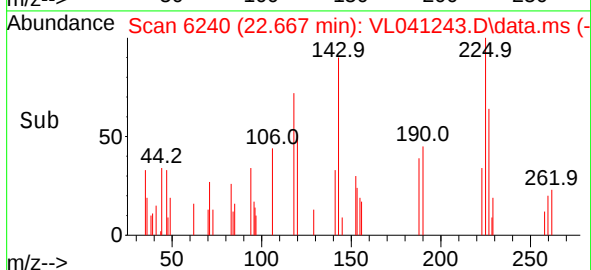
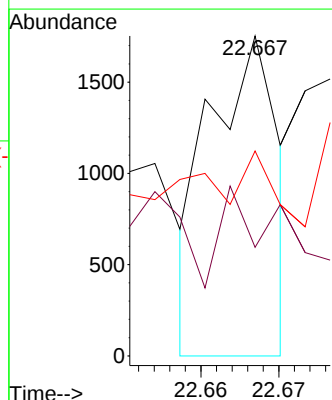
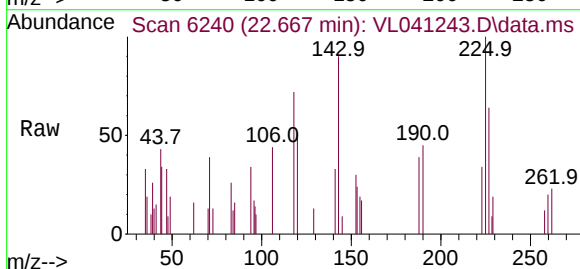
Tgt Ion:225 Resp: 1072

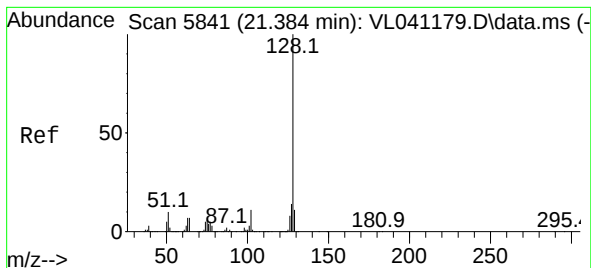
Ion Ratio Lower Upper

225 100

223 0.0 50.9 76.3#

227 0.0 52.0 78.0#





#79

Naphthalene

Concen: 0.002 ppbv

RT: 21.410 min Scan# 501

Delta R.T. 0.006 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024

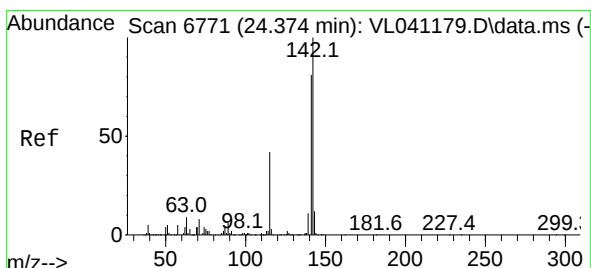
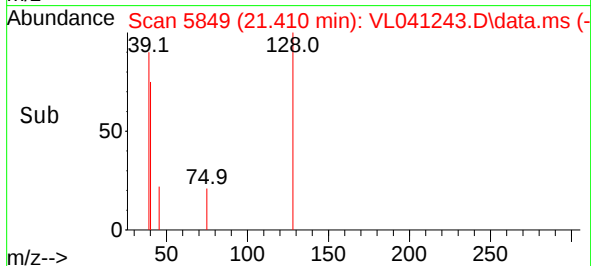
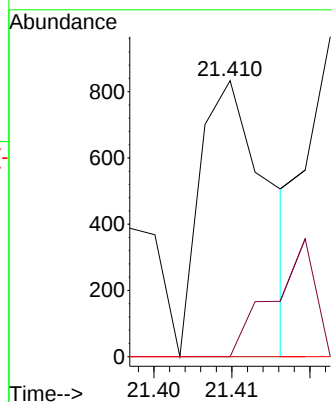
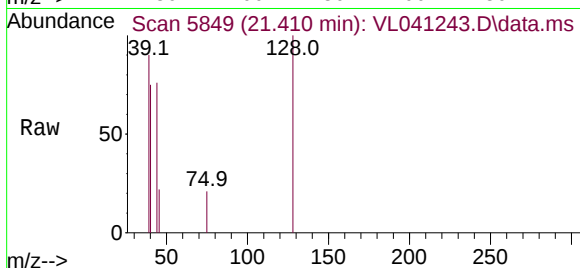
Tgt Ion:128 Resp: 501

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



#80

Naphthalene,2-methyl-

Concen: 0.000 ppbv

RT: 24.300 min Scan# 6748

Delta R.T. -0.090 min

Lab File: VL041243.D

Acq: 8 May 2024 14:30

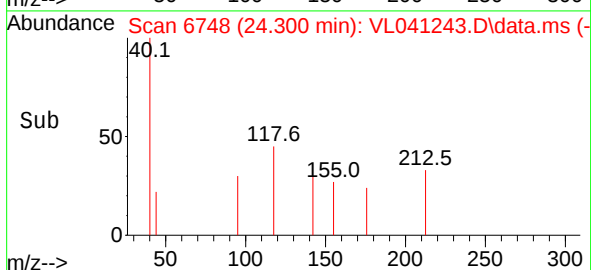
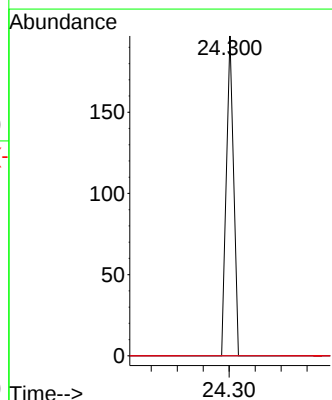
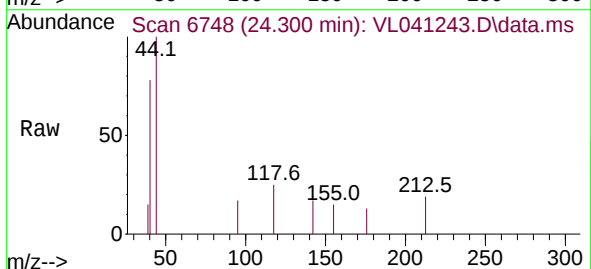
Tgt Ion:142 Resp: 38

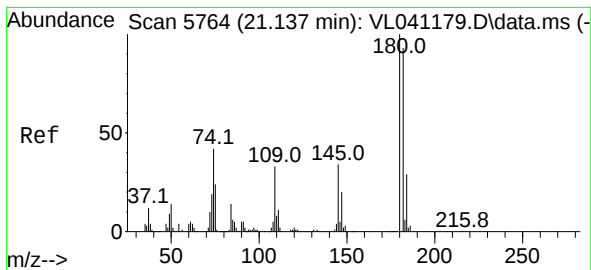
Ion Ratio Lower Upper

142 100

141 0.0 67.9 101.9#

115 192.1 31.4 47.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.004 ppbv

RT: 21.175 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041243.D

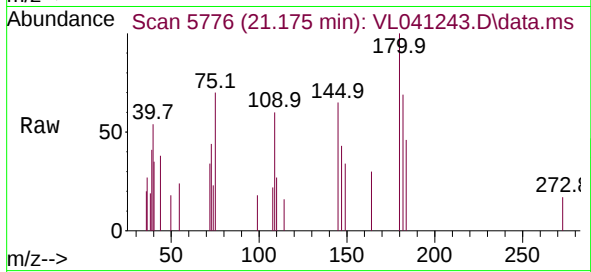
Acq: 8 May 2024 14:30

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2024



Tgt Ion:180 Resp: 439

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8#

184 145.8 24.6 36.8#

