

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042999.D
 Acq On : 23 Sep 2025 19:24
 Operator : SY/MD
 Sample : Q2893-14 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:29:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	151147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	392939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	349322	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	268863	10.311	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	671	0.033	ppbv	96
3) Chlorodifluoromethane	1.476	51	1083	0.043	ppbv #	88
4) Chloromethane	1.535	50	519	0.056	ppbv #	88
5) Vinyl Chloride	1.583	62	283	0.034	ppbv #	43
6) Bromomethane	1.671	94	116	0.040	ppbv	97
7) Chloroethane	1.700	64	102	0.032	ppbv #	44
8) Dichlorotetrafluoroethane	1.554	85	671	0.039	ppbv	89
9) Propene	1.483	41	613	0.056	ppbv #	71
10) Heptane	4.978	43	382	0.013	ppbv #	47
11) Trichlorofluoromethane	2.140	101	653	0.033	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	653	0.041	ppbv	89
13) Ethanol	1.891	45	821	0.768	ppbv #	43
14) Bromoethene	1.784	108	329	0.055	ppbv #	56
15) Acetone	1.839	43	2663	0.135	ppbv	97
16) 1,3-Butadiene	1.609	39	330	0.036	ppbv #	38
17) tert-Butyl alcohol	2.046	59	807	0.037	ppbv #	69
18) 1,1-Dichloroethene	2.033	96	252	0.034	ppbv #	31
19) Isopropyl Alcohol	1.891	45	821	0.069	ppbv #	78
20) Methylene Chloride	2.066	84	2301	0.279	ppbv #	82
21) Allyl Chloride	2.098	41	733	0.053	ppbv #	75
22) trans-1,2-Dichloroethene	2.337	96	133	0.016	ppbv	88
23) Vinyl Acetate	2.464	43	1456	0.052	ppbv #	88
24) 1,1-Dichloroethane	2.412	63	656	0.040	ppbv #	89
25) Ethyl Acetate	2.833	43	204	0.004	ppbv #	75
26) Hexane	2.826	57	811	0.036	ppbv #	75
27) Carbon Disulfide	2.150	76	761	0.037	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	333	0.028	ppbv #	1
29) Chloroform	2.849	83	1357	0.046	ppbv	98
30) Cyclohexane	3.855	84	249	0.013	ppbv #	1
31) cis-1,2-Dichloroethene	2.723	61	746	0.035	ppbv	93
32) 1,1,1-Trichloroethane	3.373	97	507	0.016	ppbv #	8
34) 2-Butanone	2.561	43	1396	0.051	ppbv	92
35) Carbon Tetrachloride	3.771	117	1092	0.043	ppbv #	60
36) Benzene	3.664	78	955	0.026	ppbv #	77
37) 1,2-Dichloroethane	3.224	62	836	0.043	ppbv #	79
38) Trichloroethene	4.554	130	334	0.018	ppbv #	82
39) 1,2-Dichloropropane	3.959	63	103643	7.694	ppbv #	25
40) 1,4-Dioxane	4.593	88	20	0.003	ppbv #	1
41) Tetrahydrofuran	3.069	42	216	0.014	ppbv #	1
42) Bromodichloromethane	4.496	83	772	0.029	ppbv #	41
43) Methyl Methacrylate	4.878	69	100	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	1249	0.020	ppbv #	27
45) t-1,3-Dichloropropene	6.422	75	74	0.005	ppbv #	43

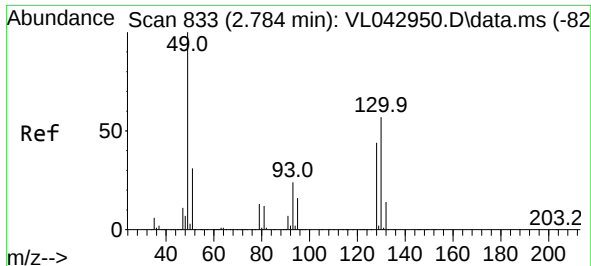
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042999.D
 Acq On : 23 Sep 2025 19:24
 Operator : SY/MD
 Sample : Q2893-14 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:29:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	285	0.014	ppbv #	74
47) 1,1,2-Trichloroethane	6.590	97	164	0.012	ppbv #	54
48) Dibromochloromethane	7.403	129	256	0.011	ppbv #	10
49) Bromoform	9.507	173	38	0.002	ppbv #	28
50) 4-Methyl-2-Pentanone	5.749	43	62	0.002	ppbv #	39
51) 2-Hexanone	7.455	43	296	0.010	ppbv #	29
52) Tetrachloroethene	8.228	164	187	0.013	ppbv #	39
53) Toluene	6.943	91	461	0.011	ppbv #	21
54) 1,2-Dibromoethane	7.668	107	200	0.010	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	8.934	131	386	0.023	ppbv #	1
57) Chlorobenzene	8.924	112	330	0.010	ppbv #	77
58) Ethyl Benzene	9.539	91	277	0.005	ppbv	96
59) m/p-Xylene	9.539	91	277	0.006	ppbv #	100
60) o-Xylene	9.969	91	479	0.011	ppbv #	10
61) Styrene	9.876	104	230	0.011	ppbv #	29
62) Isopropylbenzene	10.542	105	1685	0.025	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.973	83	502	0.021	ppbv #	49
64) n-propylbenzene	10.552	120	33	0.002	ppbv	89
65) tert-Butylbenzene	11.533	119	1353	0.023	ppbv	90
66) Benzyl Chloride	11.536	91	1185	0.188	ppbv #	66
67) sec-Butylbenzene	11.782	105	365	0.004	ppbv #	1
69) p-Isopropyltoluene	11.928	119	1321	0.019	ppbv #	93
70) n-Butylbenzene	12.290	91	489	0.007	ppbv #	44
71) 2-Chlorotoluene	10.905	91	1578	0.031	ppbv	90
72) 4-Ethyltoluene	11.128	105	812	0.014	ppbv #	90
73) 1,3,5-Trimethylbenzene	11.206	105	877	0.019	ppbv #	84
74) 1,2,4-Trimethylbenzene	11.539	105	768	0.015	ppbv #	74
75) 1,3-Dichlorobenzene	11.623	146	94	0.003	ppbv #	24
76) 1,4-Dichlorobenzene	11.678	146	538	0.017	ppbv	84
77) 1,2-Dichlorobenzene	11.950	146	730	0.024	ppbv	95
78) Hexachloro-1,3-Butadiene	13.882	225	1164	0.050	ppbv #	85
79) Naphthalene	13.513	128	223	0.005	ppbv	97
80) Naphthalene,2-methyl-	14.514	142	753	0.054	ppbv	96
81) 1,2,4-Trichlorobenzene	13.452	180	120	0.005	ppbv #	21

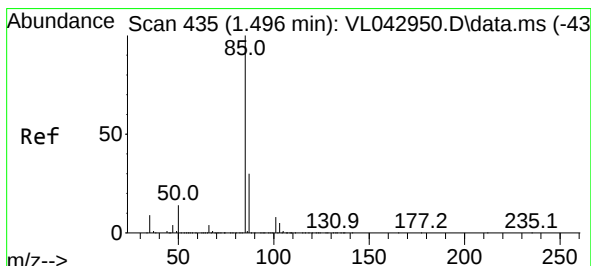
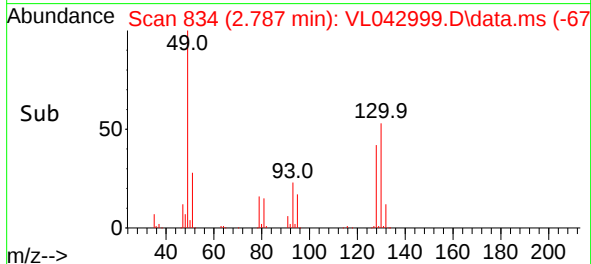
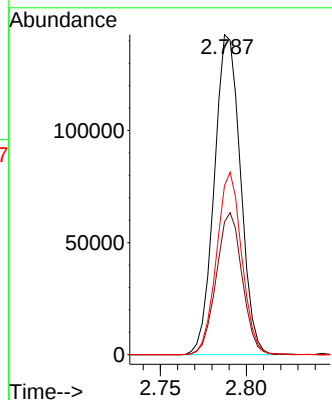
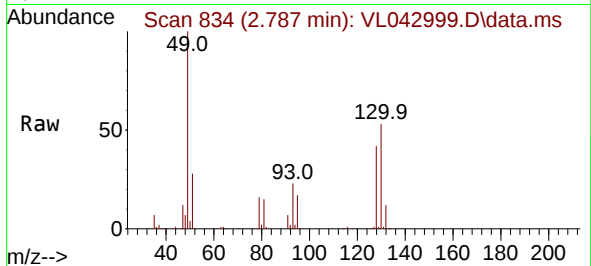
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

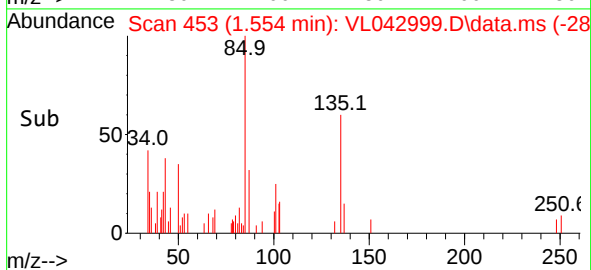
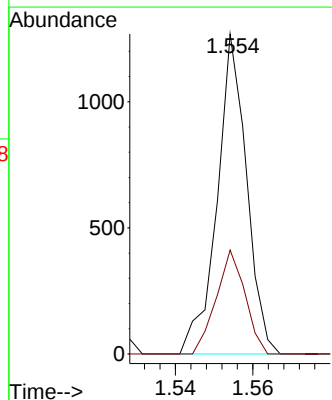
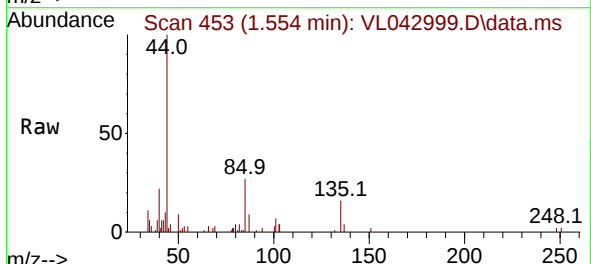
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

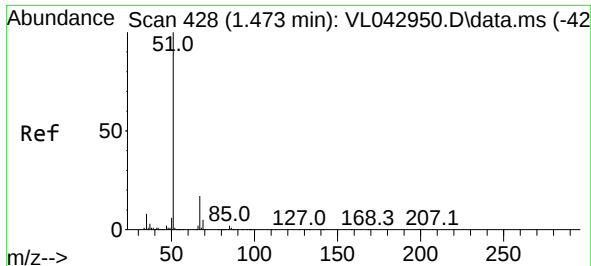
Tgt Ion: 49 Resp: 151147
Ion Ratio Lower Upper
49 100
128 44.0 22.9 68.8
130 54.9 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.033 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 85 Resp: 671
Ion Ratio Lower Upper
85 100
87 32.5 24.3 36.5

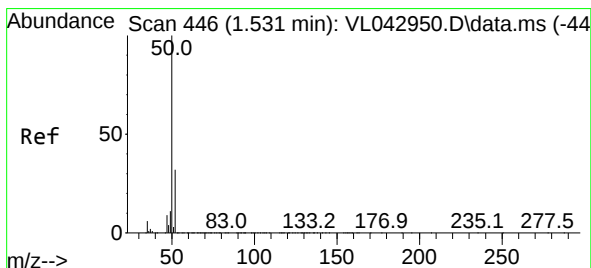
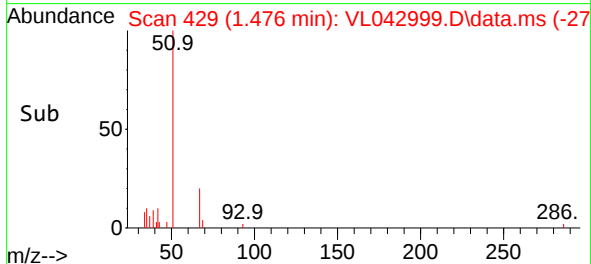
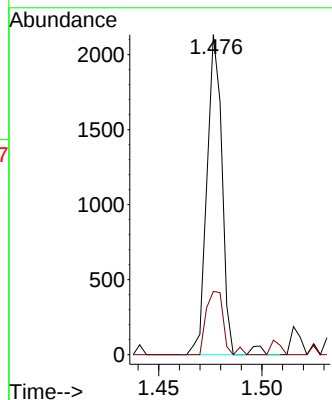
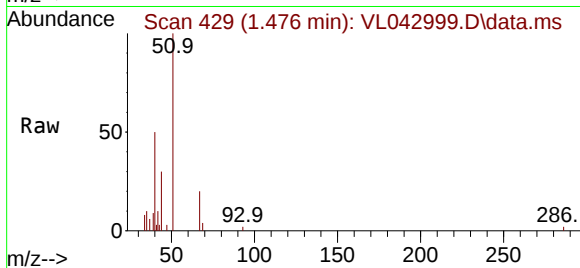




#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

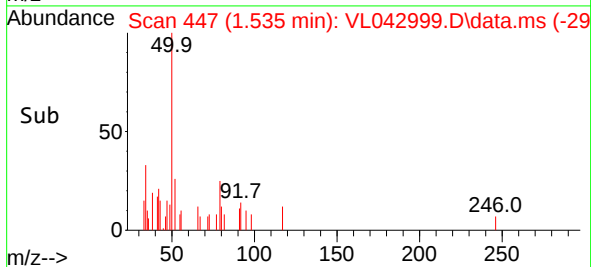
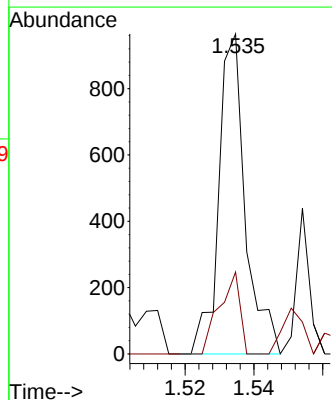
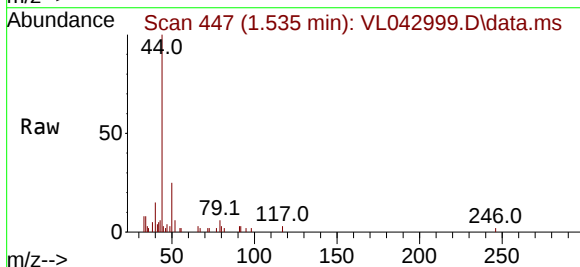
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

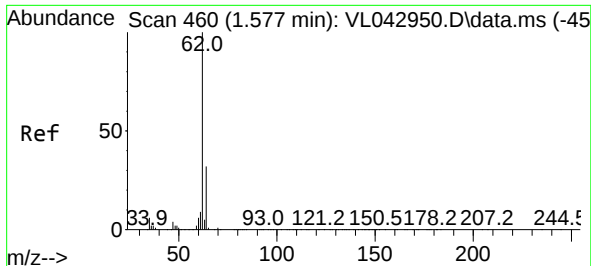
Tgt Ion: 51 Resp: 1083
Ion Ratio Lower Upper
51 100
67 22.4 13.8 20.8#



#4
Chloromethane
Concen: 0.056 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 25.6 25.9 38.9#

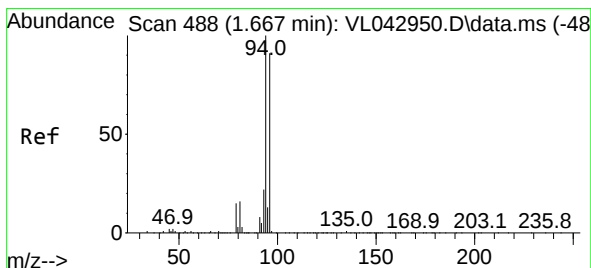
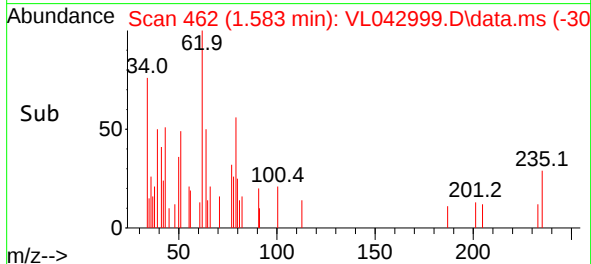
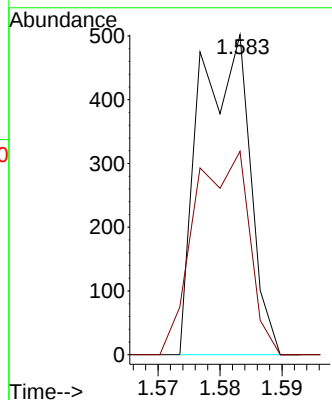
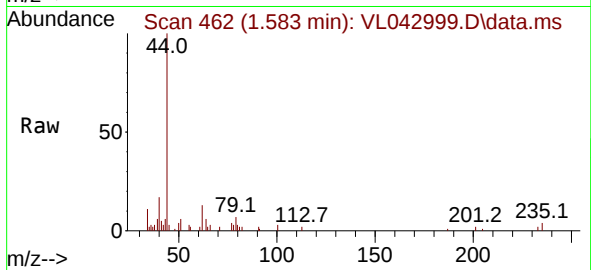




#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

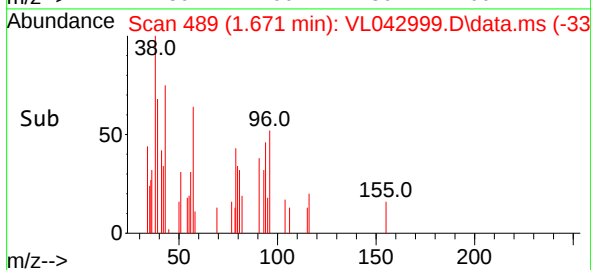
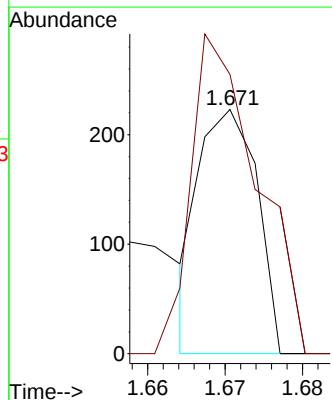
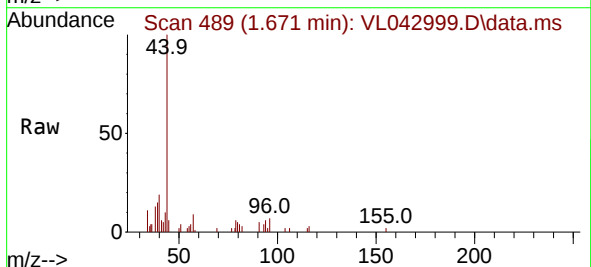
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

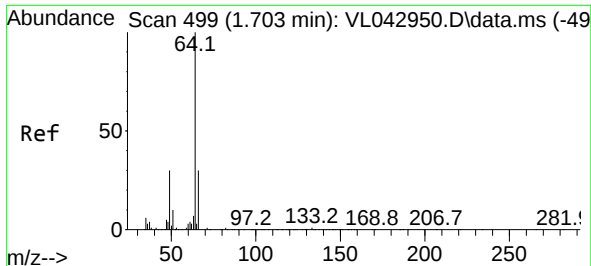
Tgt Ion: 62 Resp: 283
Ion Ratio Lower Upper
62 100
64 63.5 25.4 38.2#



#6
Bromomethane
Concen: 0.040 ppbv
RT: 1.671 min Scan# 489
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 87.4 72.6 108.8

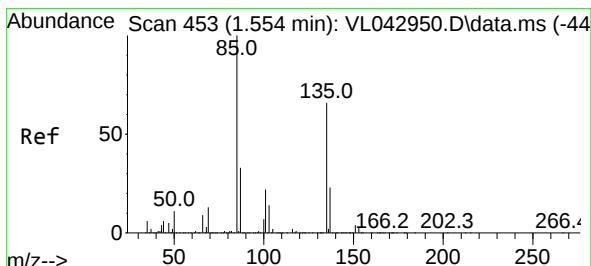
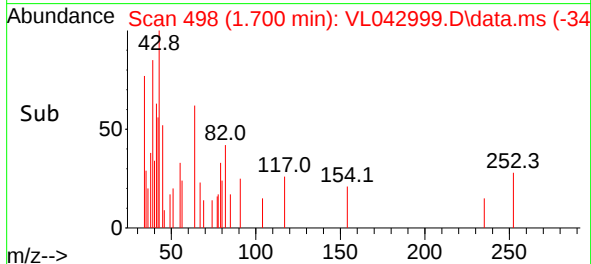
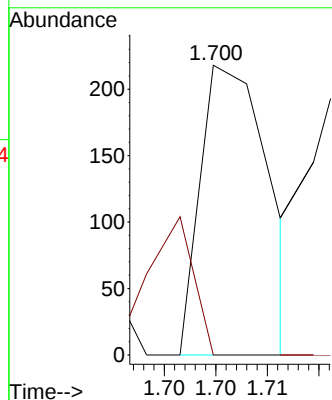
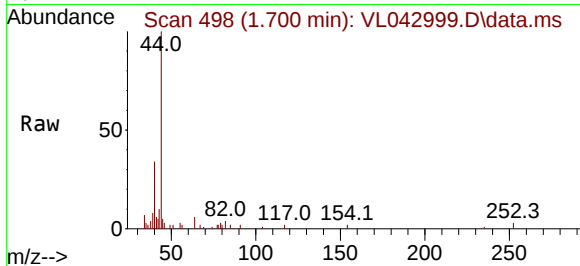




#7
Chloroethane
Concen: 0.032 ppbv
RT: 1.700 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

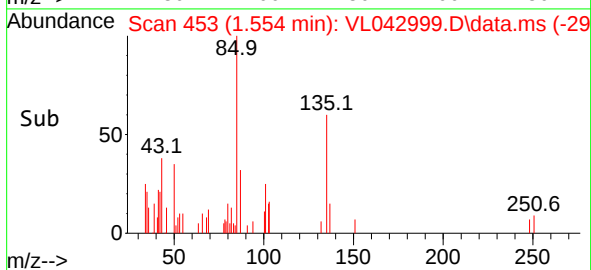
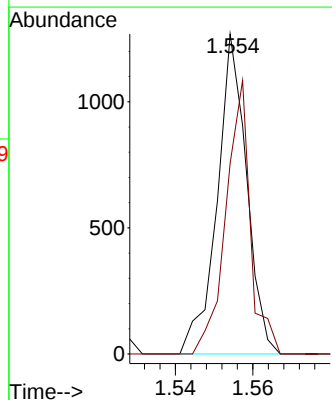
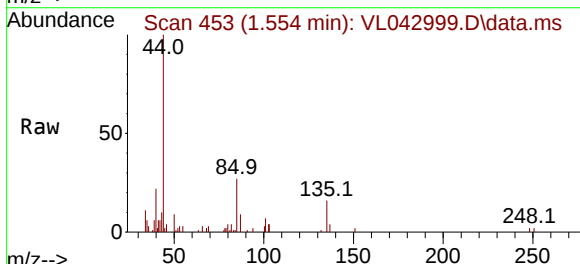
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

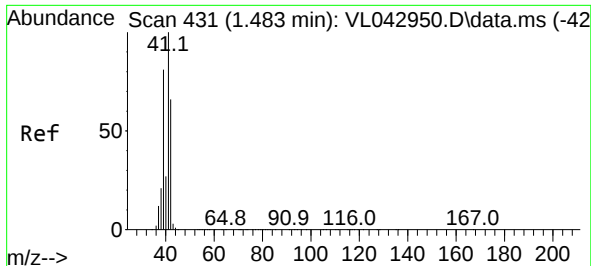
Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.039 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 85 Resp: 671
Ion Ratio Lower Upper
85 100
135 70.8 49.7 74.5





#9

Propene

Concen: 0.056 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

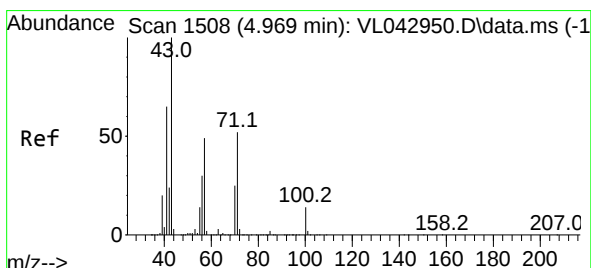
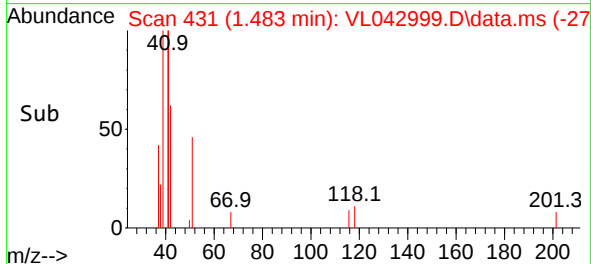
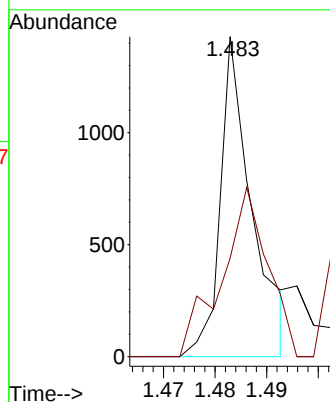
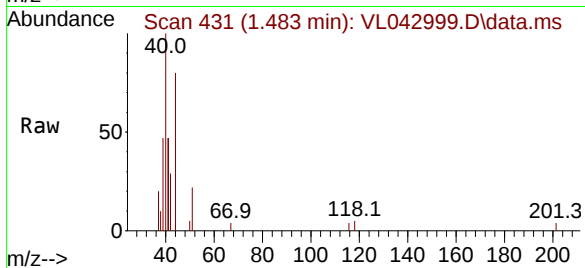
LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 613

Ion Ratio Lower Upper

41 100

42 95.6 57.4 86.2#



#10

Heptane

Concen: 0.013 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.010 min

Lab File: VL042999.D

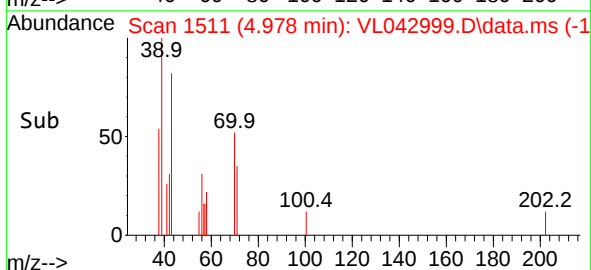
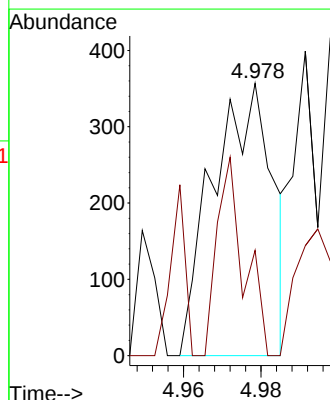
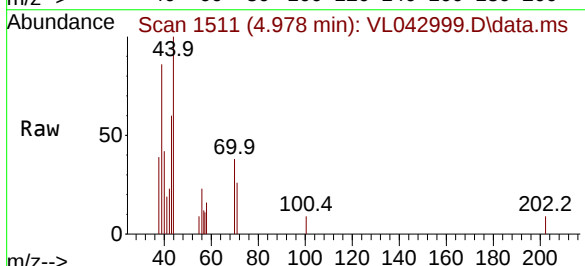
Acq: 23 Sep 2025 19:24

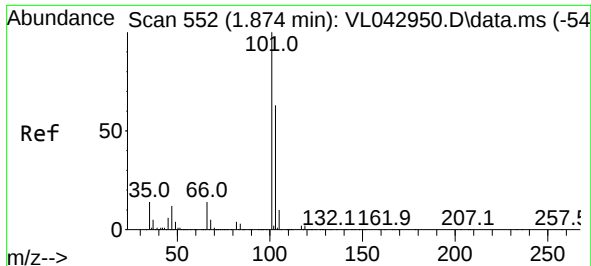
Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

57 84.0 38.6 57.8#

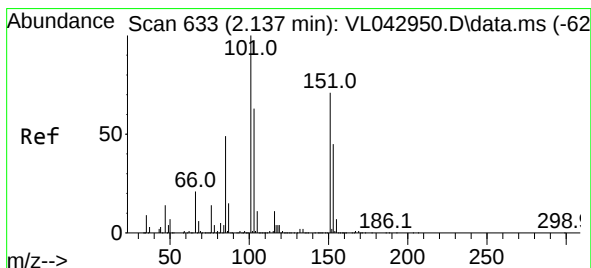
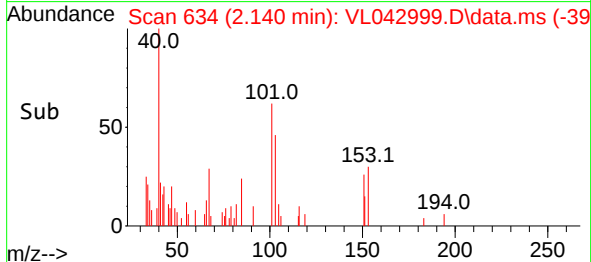
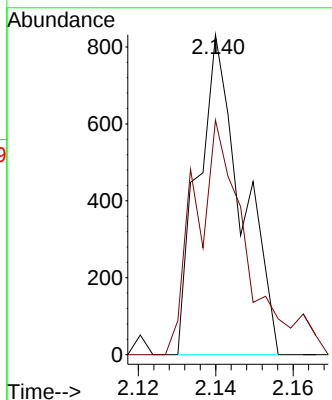
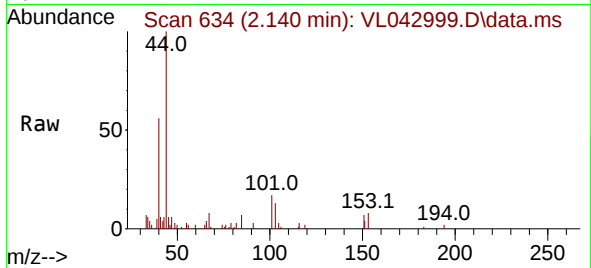




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 2.140 min Scan# 61
 Delta R.T. 0.266 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

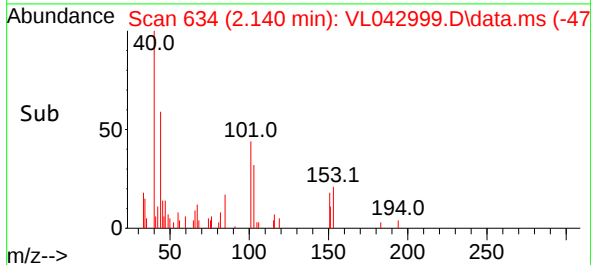
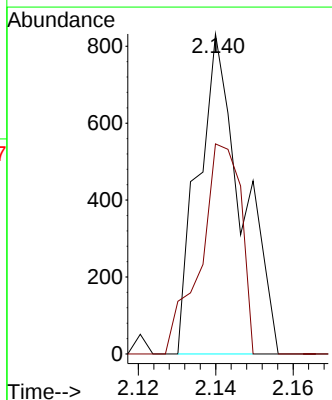
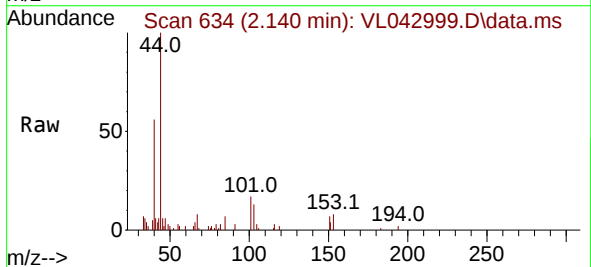
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

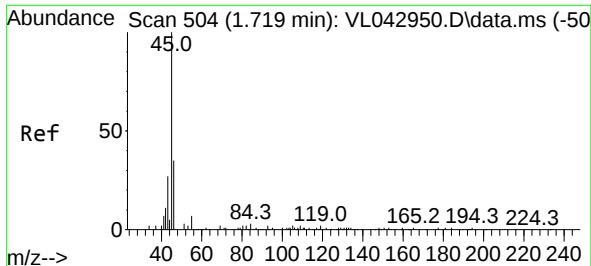
Tgt Ion:101 Resp: 653
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.041 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion:101 Resp: 653
 Ion Ratio Lower Upper
 101 100
 151 60.8 55.7 83.5

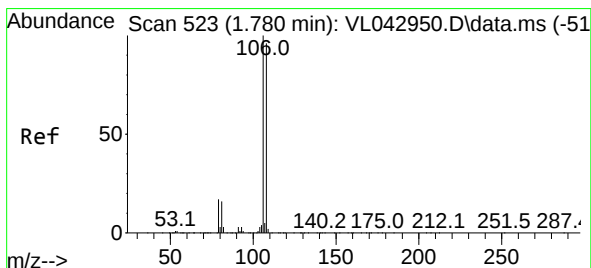
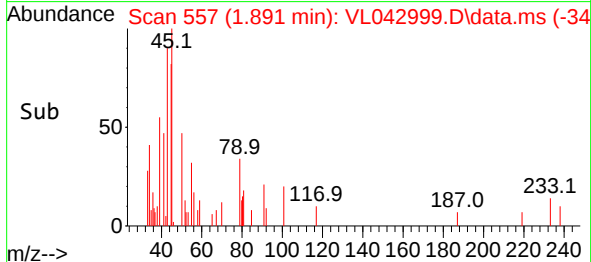
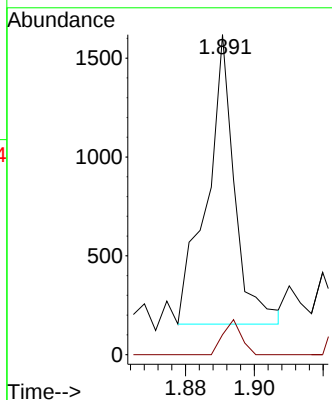
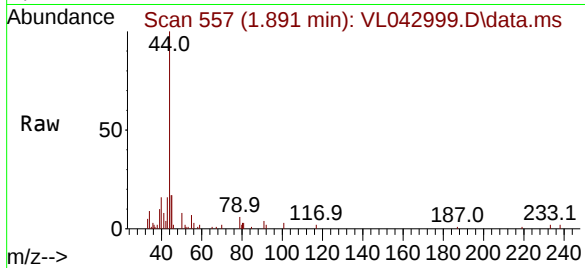




#13
 Ethanol
 Concen: 0.768 ppbv
 RT: 1.891 min Scan# 51
 Delta R.T. 0.172 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

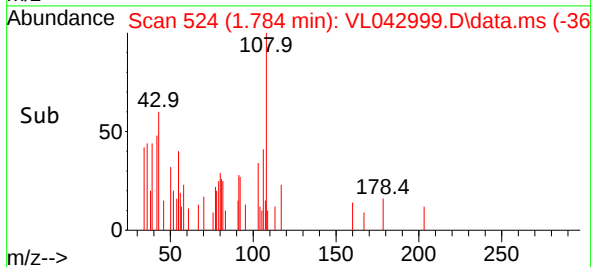
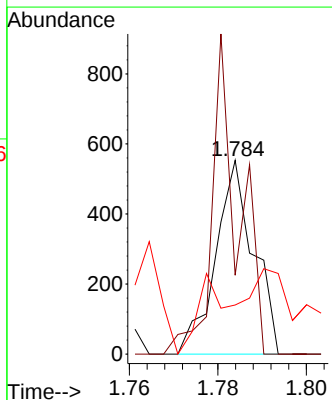
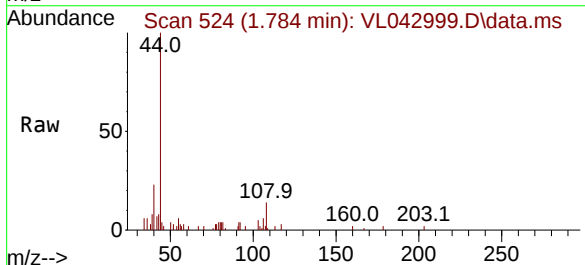
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

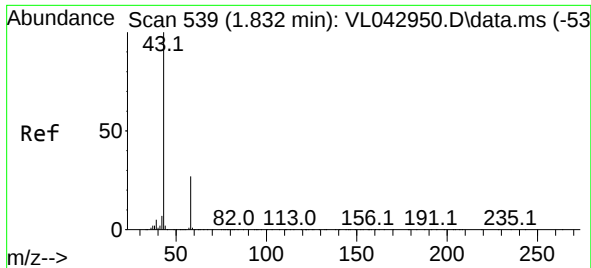
Tgt Ion: 45 Resp: 821
 Ion Ratio Lower Upper
 45 100
 46 75.6 16.2 64.6#



#14
 Bromoethene
 Concen: 0.055 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion: 108 Resp: 329
 Ion Ratio Lower Upper
 108 100
 106 112.8 86.0 129.0
 79 142.6 14.2 21.2#





#15

Acetone

Concen: 0.135 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.007 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

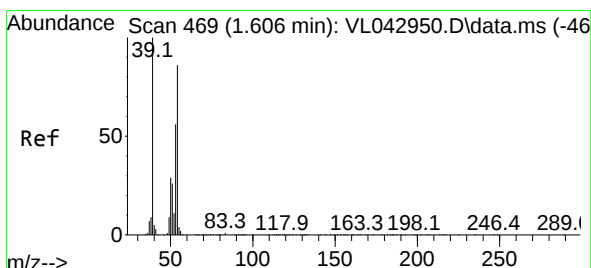
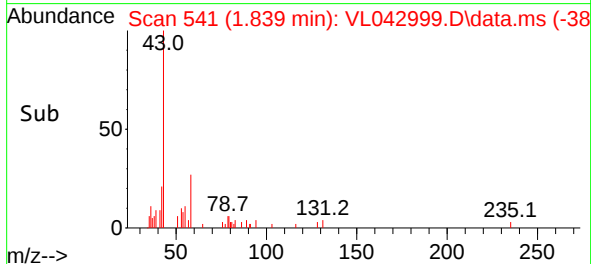
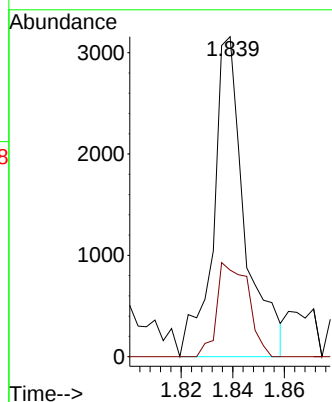
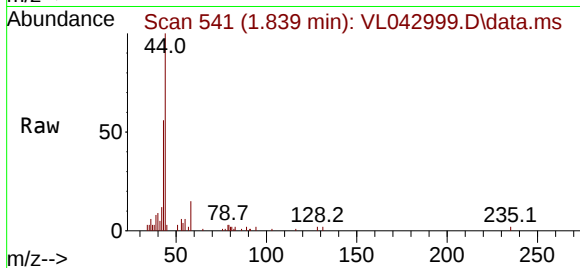
LOQ-AIR-02-QT3-2025

Tgt Ion: 43 Resp: 2663

Ion Ratio Lower Upper

43 100

58 29.5 22.3 33.5



#16

1,3-Butadiene

Concen: 0.036 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042999.D

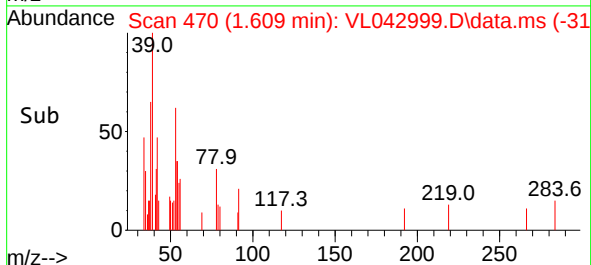
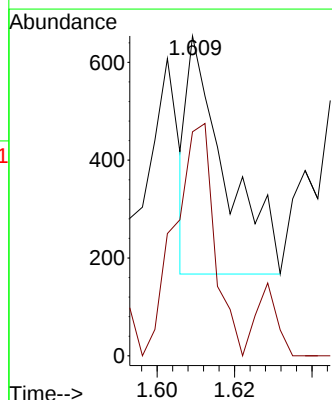
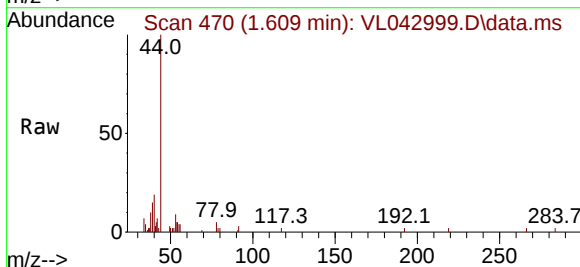
Acq: 23 Sep 2025 19:24

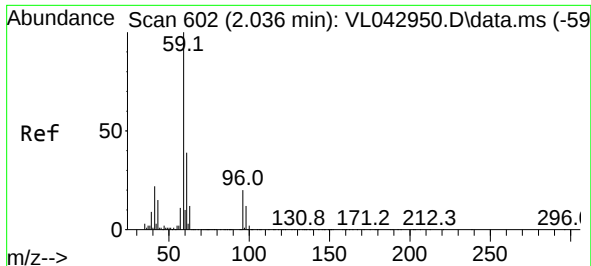
Tgt Ion: 39 Resp: 330

Ion Ratio Lower Upper

39 100

54 129.4 60.8 91.2#





#17

tert-Butyl alcohol

Concen: 0.037 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

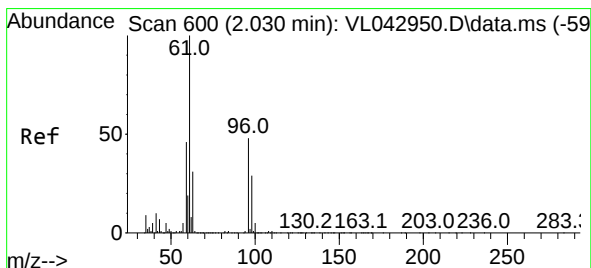
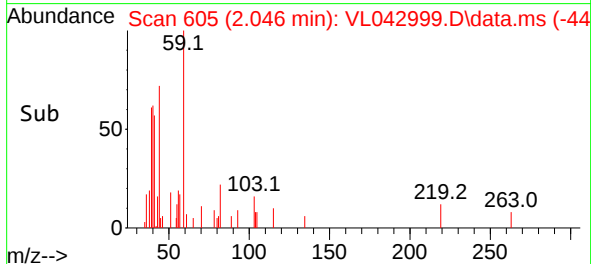
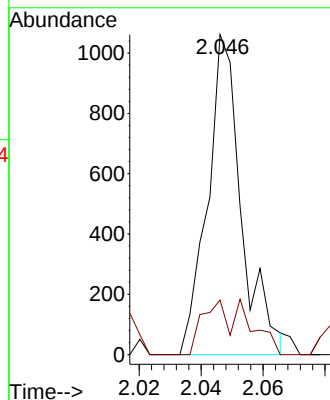
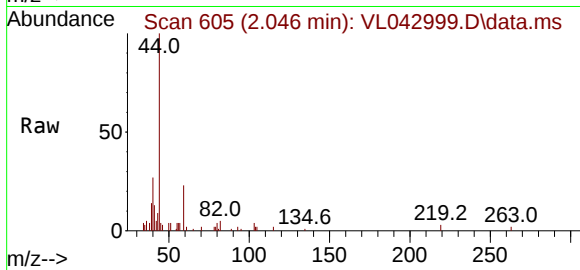
LOQ-AIR-02-QT3-2025

Tgt Ion: 59 Resp: 807

Ion Ratio Lower Upper

59 100

57 22.4 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.034 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

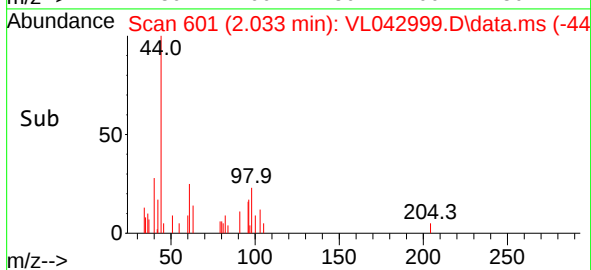
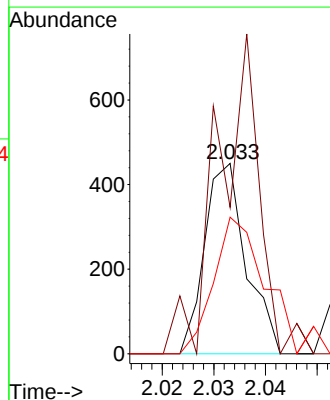
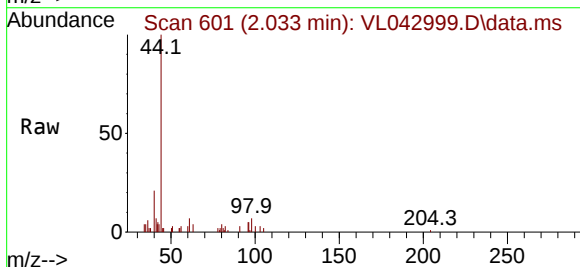
Tgt Ion: 96 Resp: 252

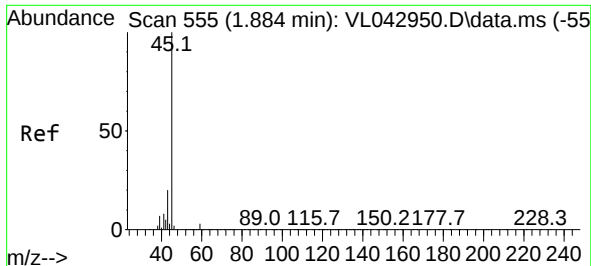
Ion Ratio Lower Upper

96 100

61 76.9 166.2 249.4#

98 71.8 48.6 73.0

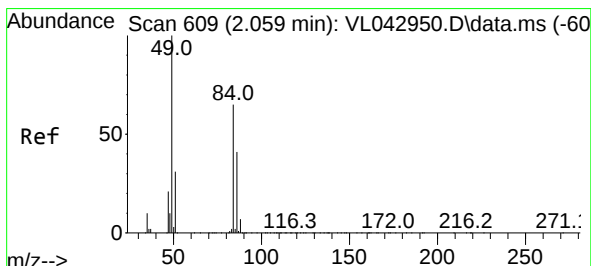
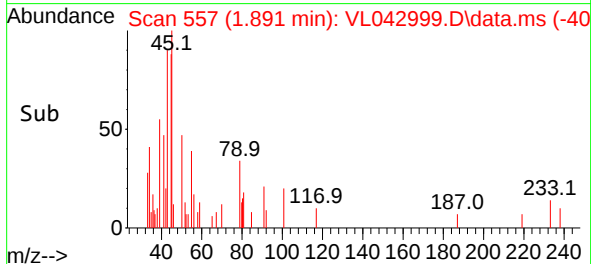
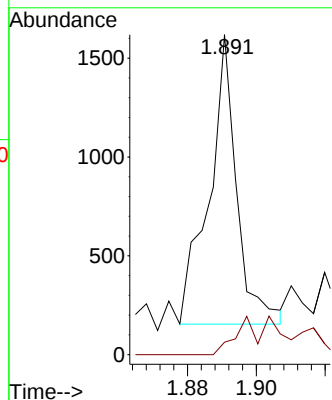
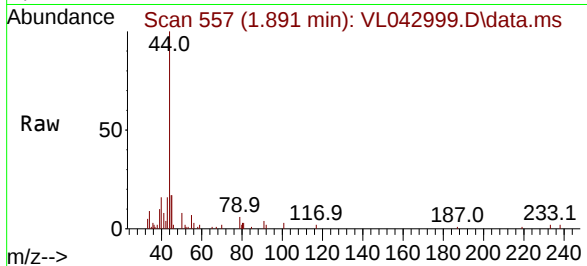




#19
Isopropyl Alcohol
Concen: 0.069 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

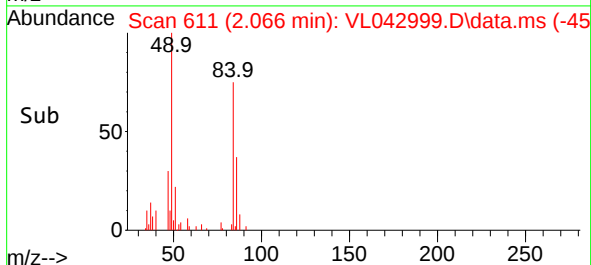
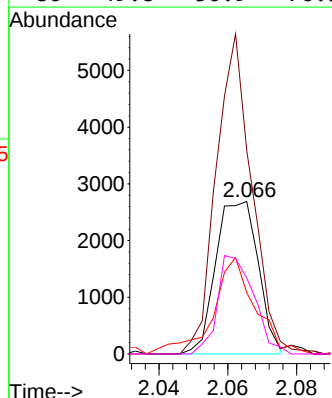
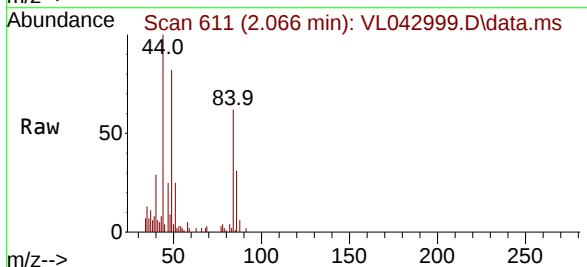
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

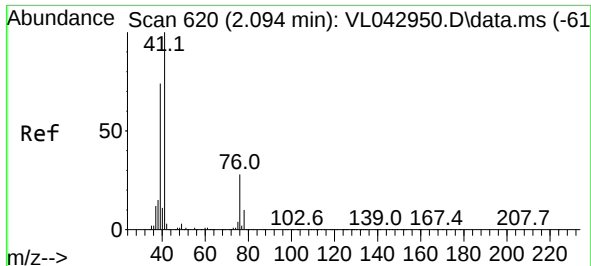
Tgt Ion: 45 Resp: 821
Ion Ratio Lower Upper
45 100
58 25.3 31.0 46.6#



#20
Methylene Chloride
Concen: 0.279 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 84 Resp: 2301
Ion Ratio Lower Upper
84 100
49 133.3 124.1 186.1
51 36.4 39.8 59.8#
86 49.8 50.9 76.3#

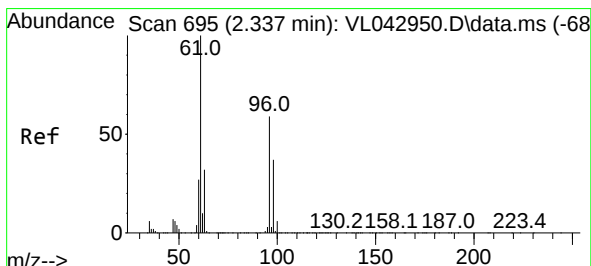
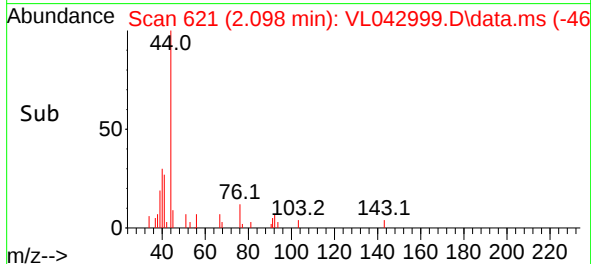
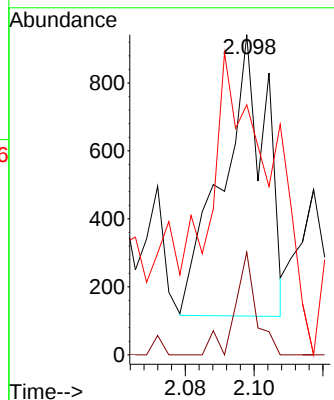
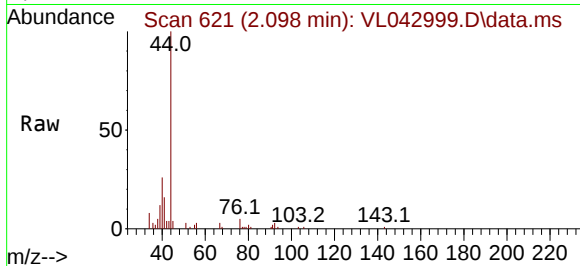




#21
 Allyl Chloride
 Concen: 0.053 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

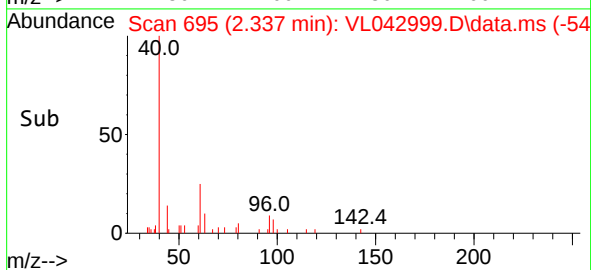
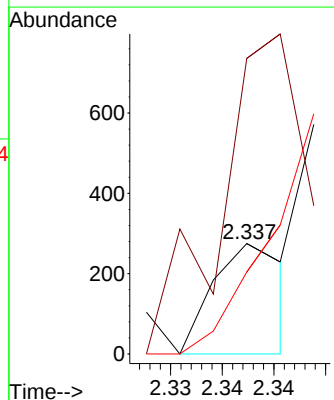
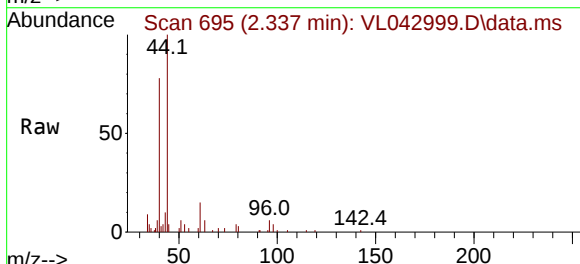
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

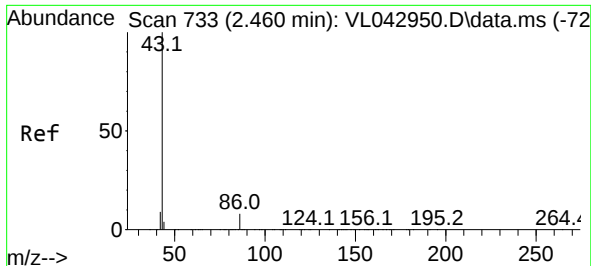
Tgt Ion: 41 Resp: 733
 Ion Ratio Lower Upper
 41 100
 76 15.7 22.3 33.5#
 39 98.4 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.016 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.000 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion: 96 Resp: 133
 Ion Ratio Lower Upper
 96 100
 61 154.5 136.5 204.7
 98 74.2 50.6 76.0

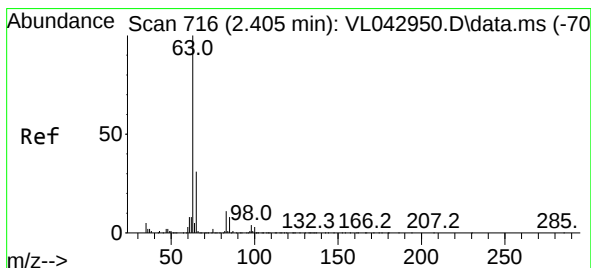
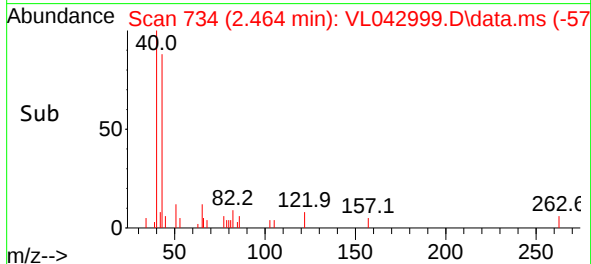
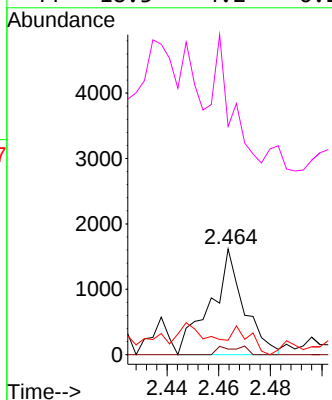
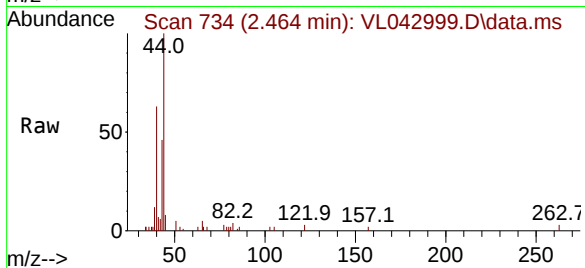




#23
 Vinyl Acetate
 Concen: 0.052 ppbv
 RT: 2.464 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

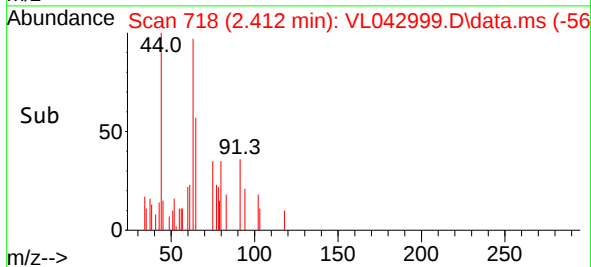
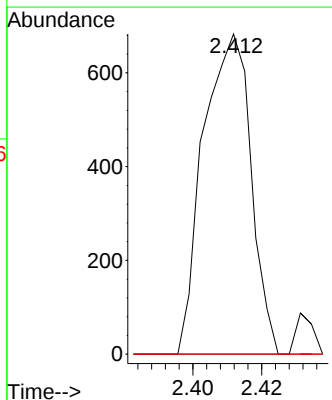
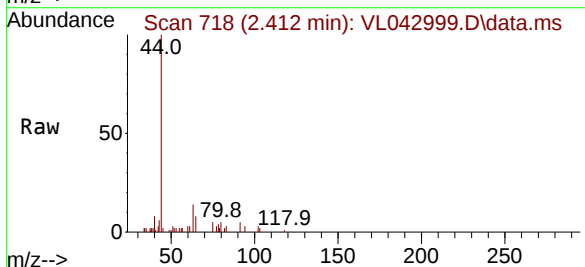
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

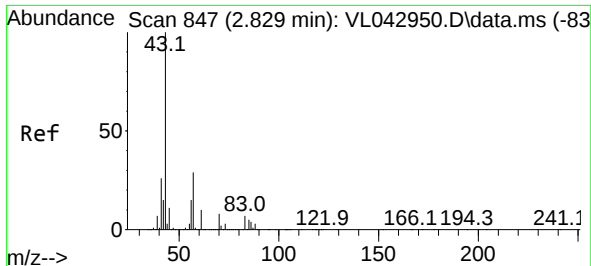
Tgt Ion:	43	Resp:	1456
Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.2	9.2#
42	9.1	7.4	11.0
44	18.3	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.040 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion:	63	Resp:	656
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.4	4.0#





#25

Ethyl Acetate

Concen: 0.004 ppbv

RT: 2.833 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 43 Resp: 204

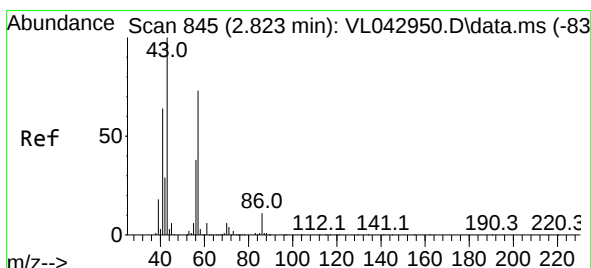
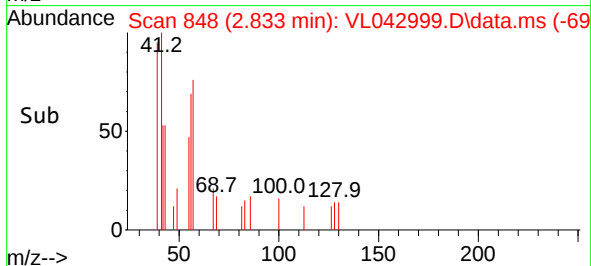
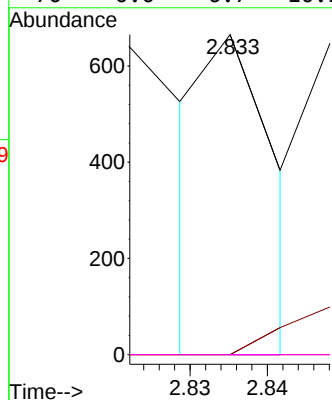
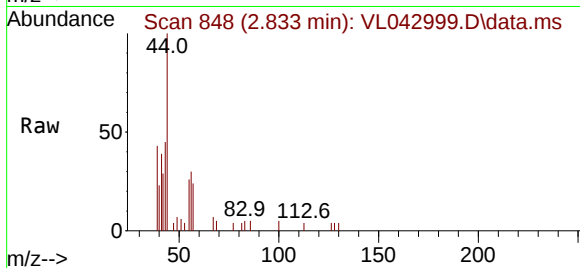
Ion Ratio Lower Upper

43 100

45 0.0 7.7 11.5#

61 0.0 7.1 10.7#

70 0.0 6.7 10.1#



#26

Hexane

Concen: 0.036 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion: 57 Resp: 811

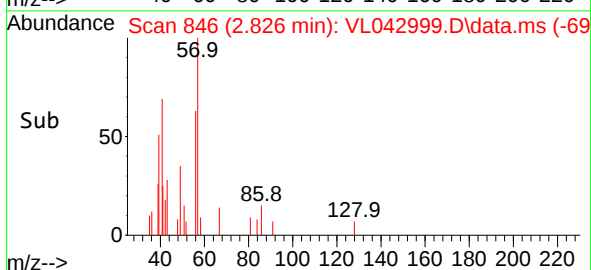
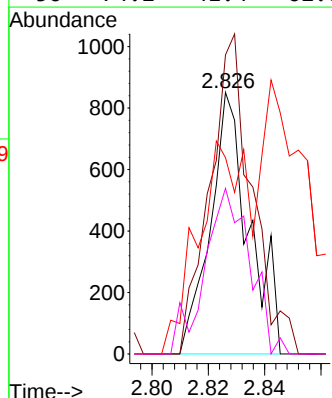
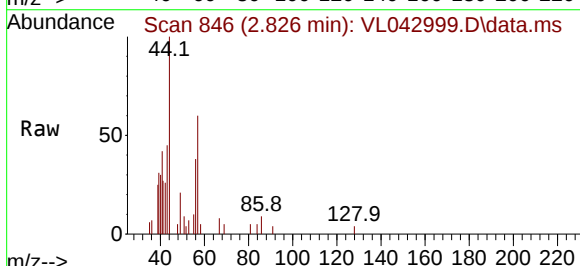
Ion Ratio Lower Upper

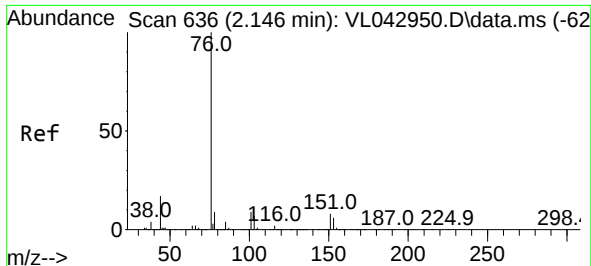
57 100

41 138.2 71.7 107.5#

43 246.2 180.8 271.2

56 74.2 41.4 62.0#





#27

Carbon Disulfide

Concen: 0.037 ppbv

RT: 2.150 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

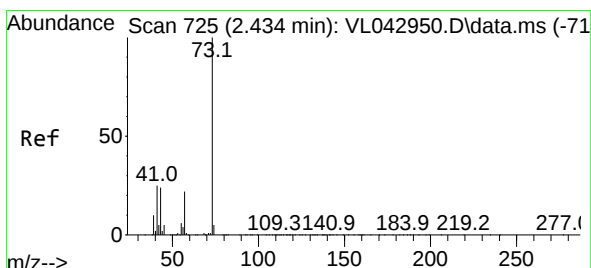
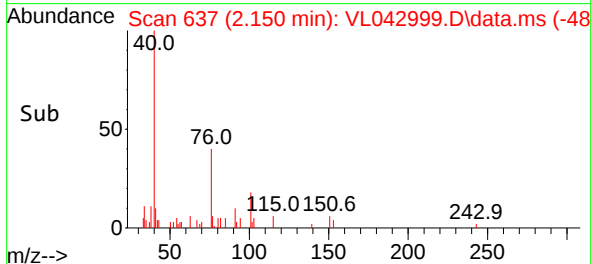
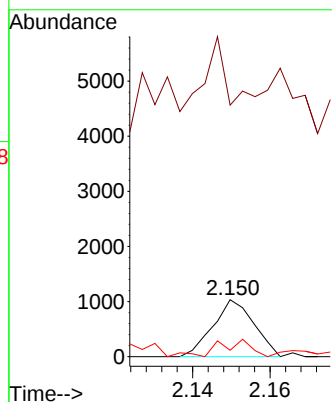
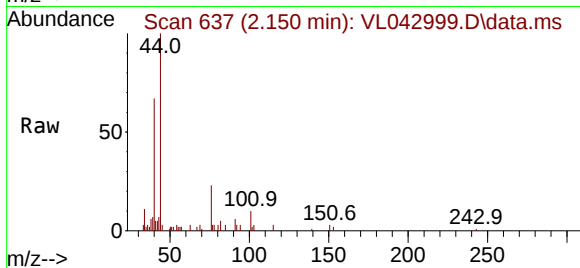
Tgt Ion: 76 Resp: 761

Ion Ratio Lower Upper

76 100

44 862.7 15.6 23.4#

78 30.0 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.028 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.010 min

Lab File: VL042999.D

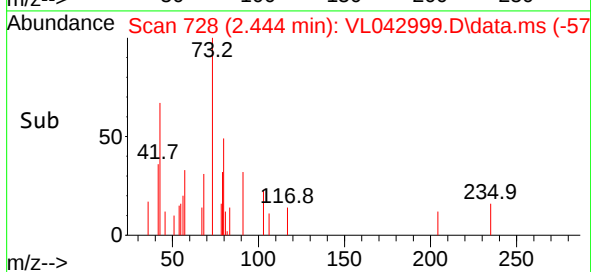
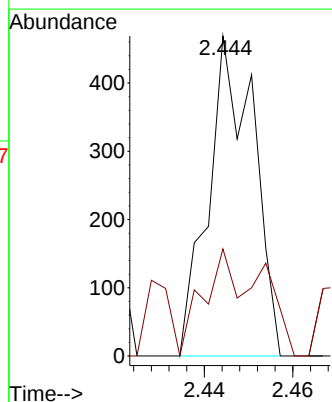
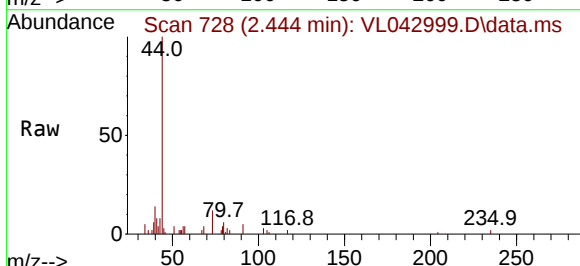
Acq: 23 Sep 2025 19:24

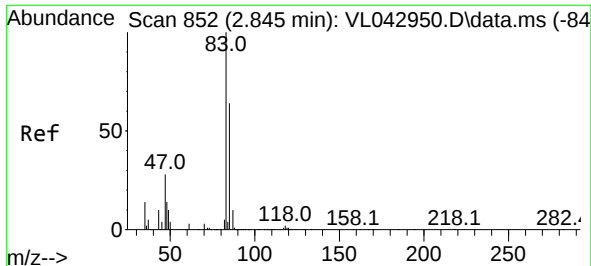
Tgt Ion: 73 Resp: 333

Ion Ratio Lower Upper

73 100

57 81.1 20.6 31.0#





#29

Chloroform

Concen: 0.046 ppbv

RT: 2.849 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

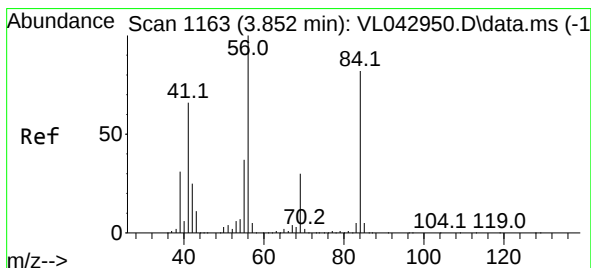
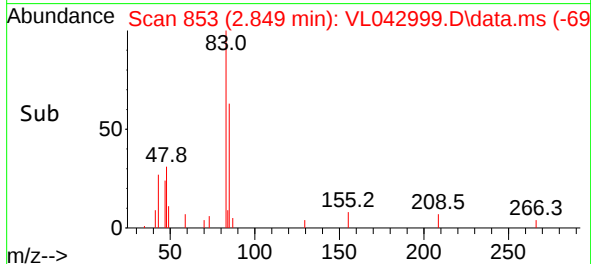
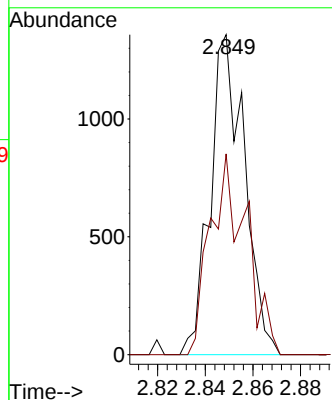
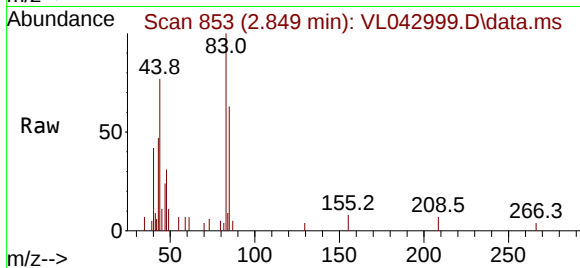
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 1357

Ion Ratio Lower Upper

83 100

85 62.7 51.2 76.8



#30

Cyclohexane

Concen: 0.013 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

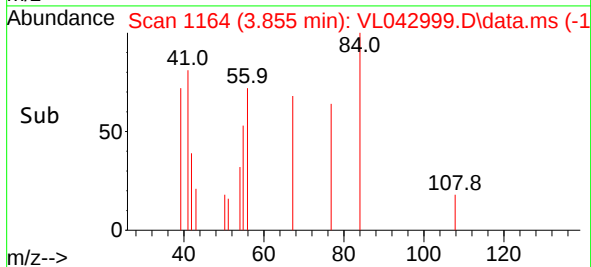
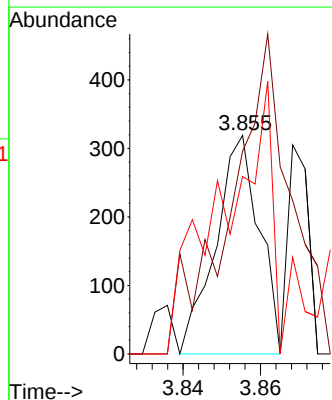
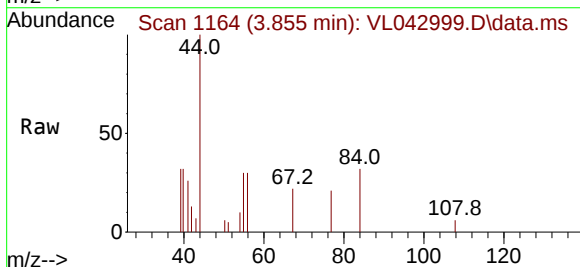
Tgt Ion: 84 Resp: 249

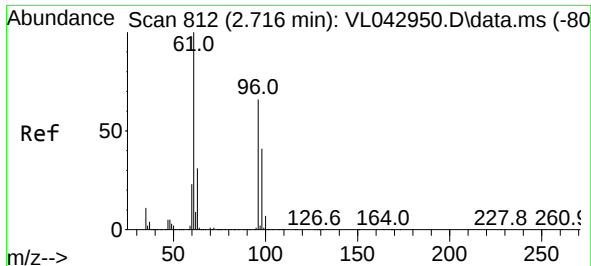
Ion Ratio Lower Upper

84 100

56 0.0 102.2 153.4#

41 0.0 65.6 98.4#

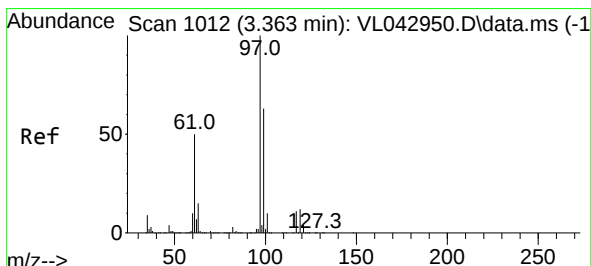
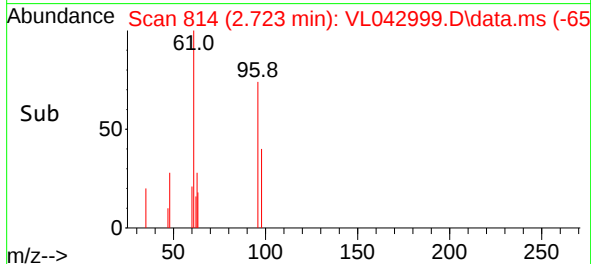
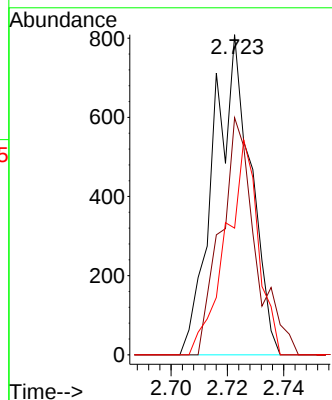
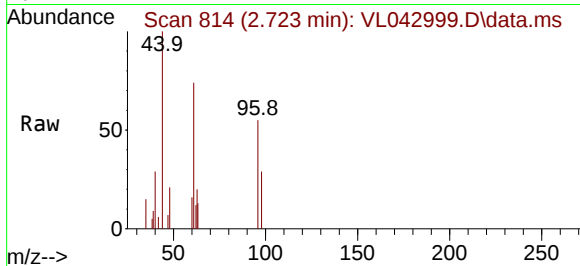




#31
 cis-1,2-Dichloroethene
 Concen: 0.035 ppbv
 RT: 2.723 min Scan# 812
 Delta R.T. 0.007 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

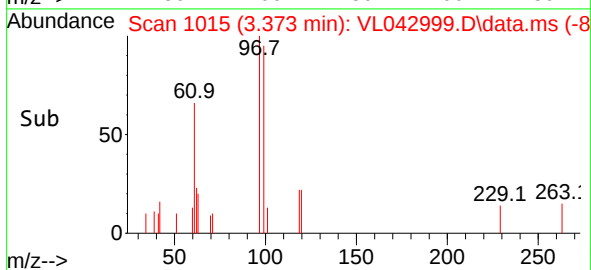
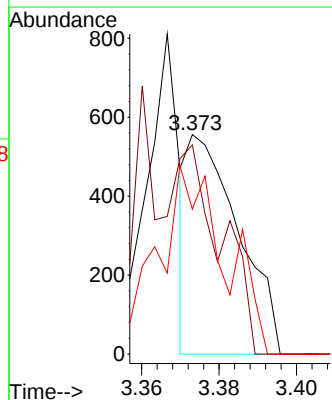
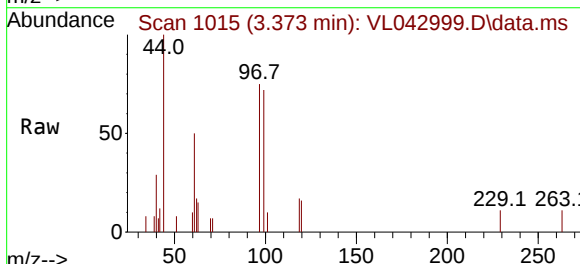
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

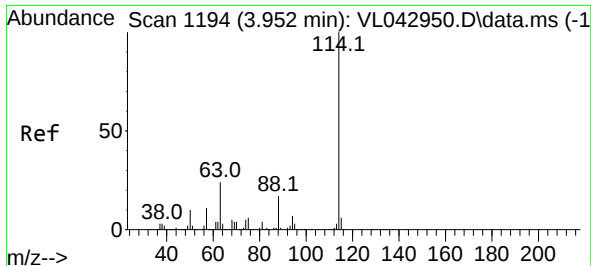
Tgt Ion:	61	Resp:	746
Ion	Ratio	Lower	Upper
61	100		
96	74.0	53.0	79.6
98	39.6	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.016 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion:	97	Resp:	507
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	122.7	39.8	59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1194

Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

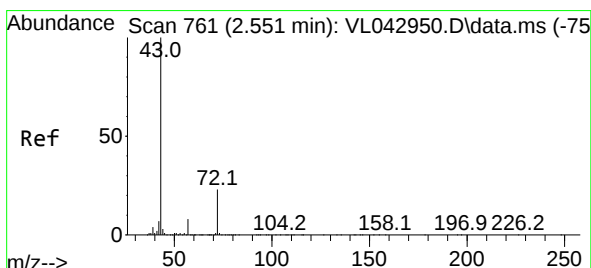
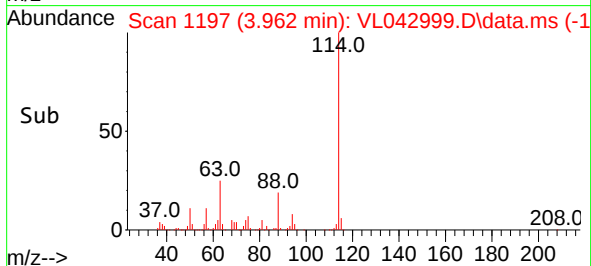
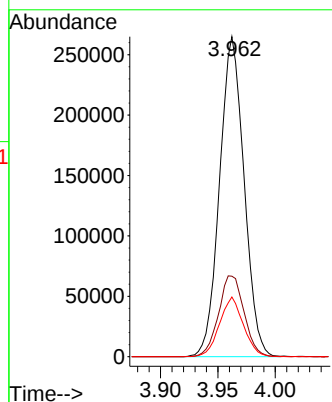
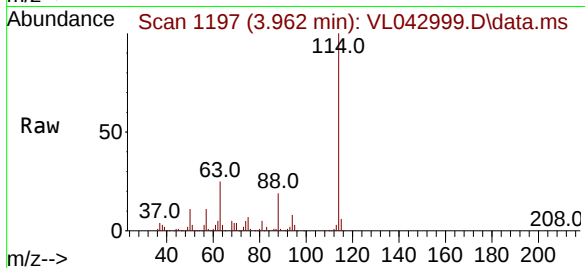
Tgt Ion:114 Resp: 392939

Ion Ratio Lower Upper

114 100

63 26.4 19.4 29.2

88 18.2 14.2 21.2



#34

2-Butanone

Concen: 0.051 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.010 min

Lab File: VL042999.D

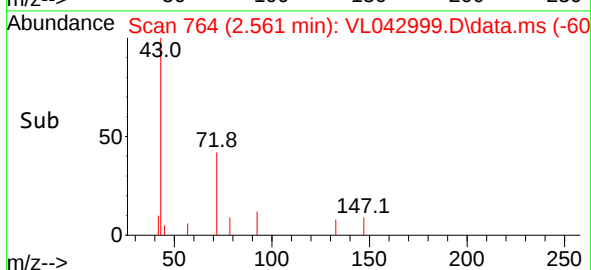
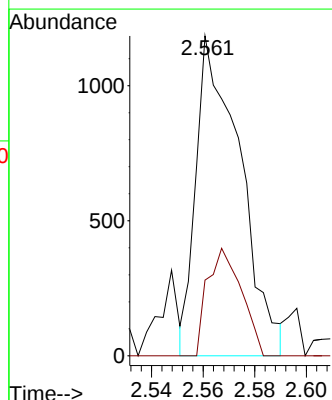
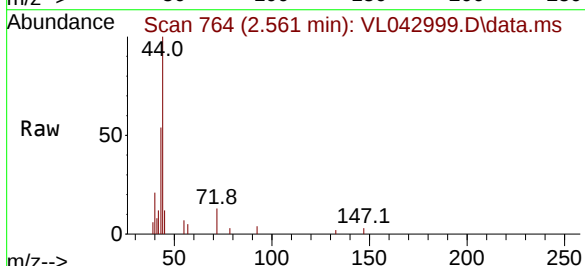
Acq: 23 Sep 2025 19:24

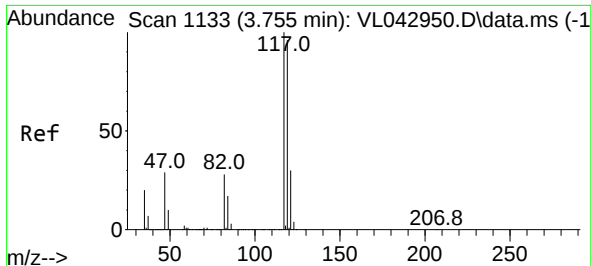
Tgt Ion: 43 Resp: 1396

Ion Ratio Lower Upper

43 100

72 26.1 17.7 26.5

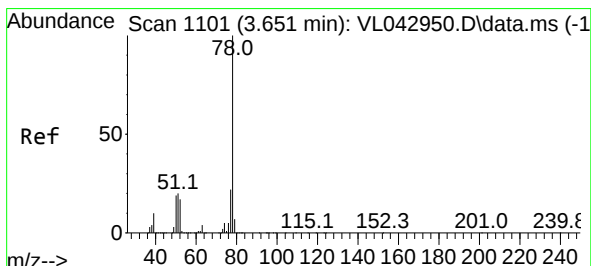
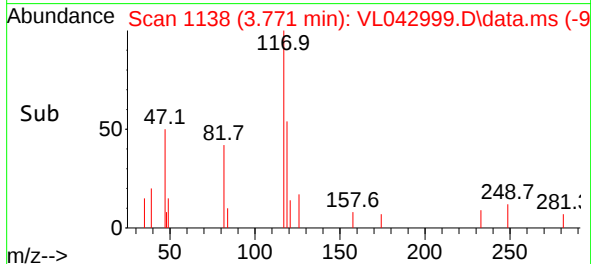
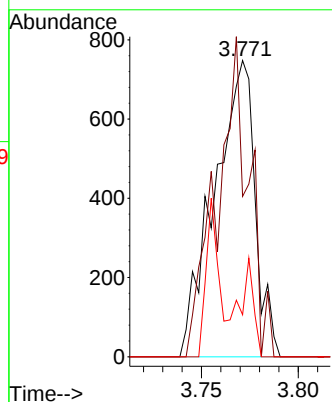
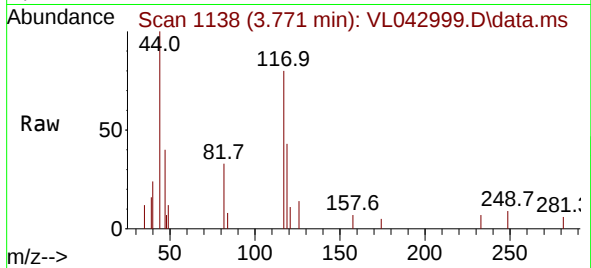




#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

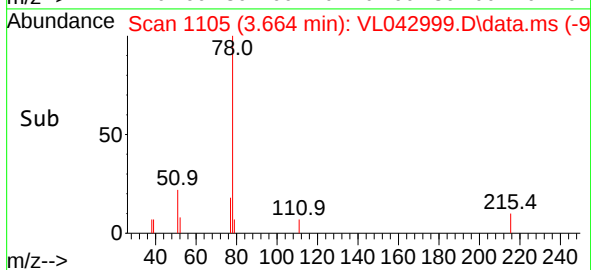
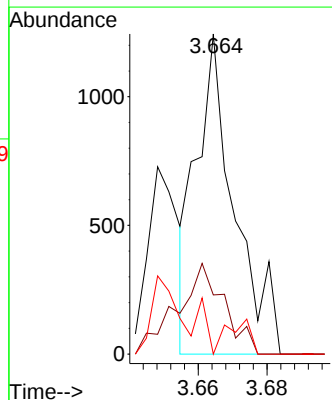
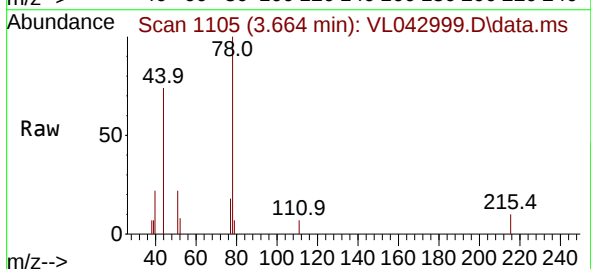
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

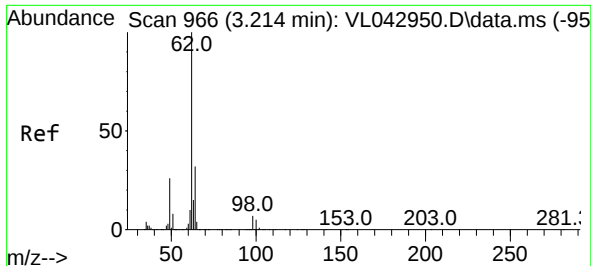
Tgt Ion:117 Resp: 1092
Ion Ratio Lower Upper
117 100
119 54.1 76.9 115.3#
121 14.2 23.7 35.5#



#36
Benzene
Concen: 0.026 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 78 Resp: 955
Ion Ratio Lower Upper
78 100
77 18.5 17.8 26.6
50 0.0 15.0 22.4#





#37

1,2-Dichloroethane

Concen: 0.043 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

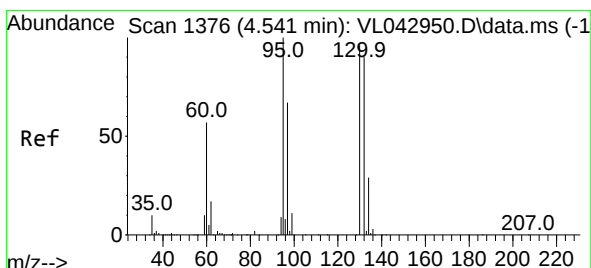
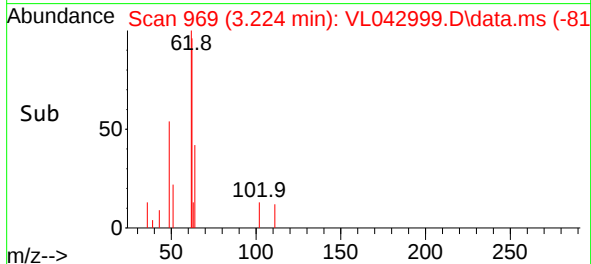
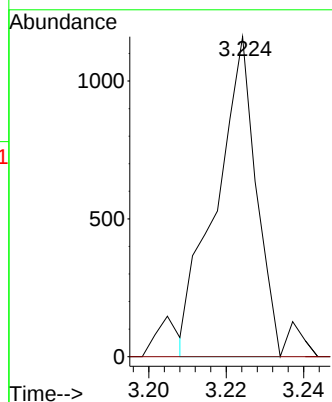
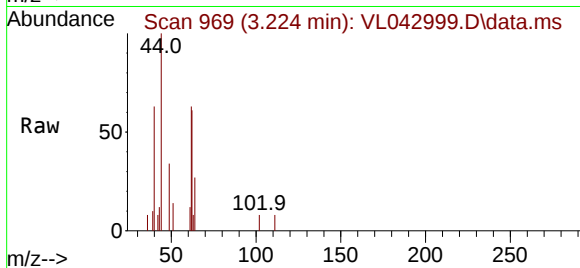
LOQ-AIR-02-QT3-2025

Tgt Ion: 62 Resp: 836

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#38

Trichloroethene

Concen: 0.018 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.013 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion:130 Resp: 334

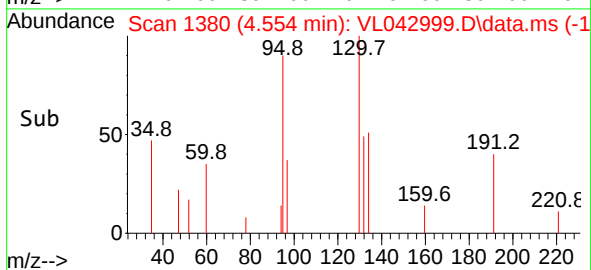
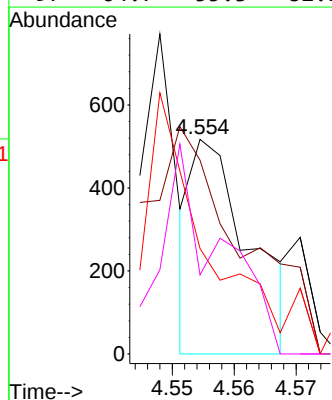
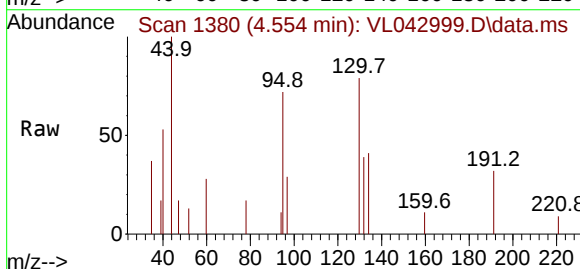
Ion Ratio Lower Upper

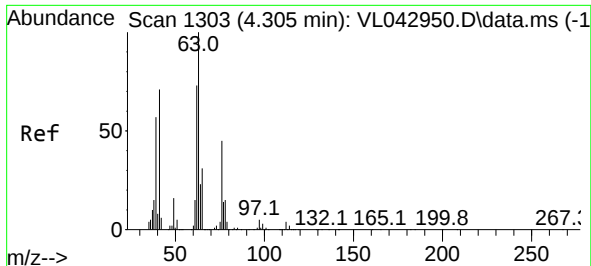
130 100

95 84.7 83.0 124.4

132 68.8 74.6 112.0#

97 64.7 55.3 82.9





#39

1,2-Dichloropropane

Concen: 7.694 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.346 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

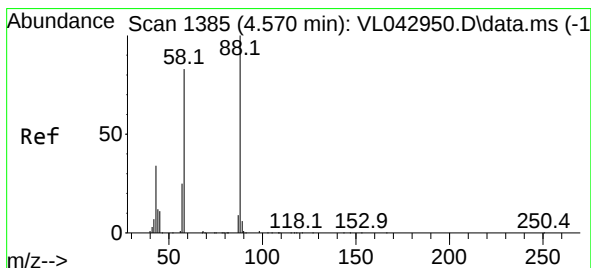
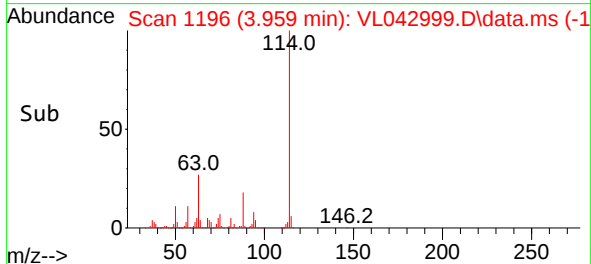
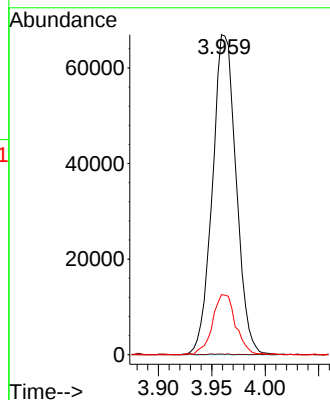
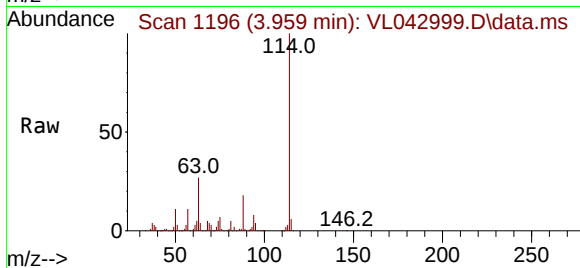
Tgt Ion: 63 Resp: 103643

Ion Ratio Lower Upper

63 100

41 0.2 57.5 86.3#

62 18.8 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.023 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion: 88 Resp: 20

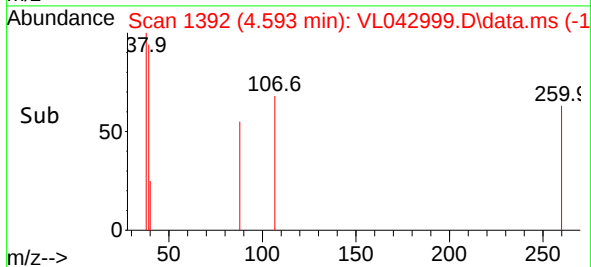
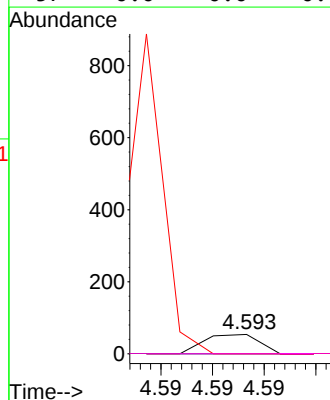
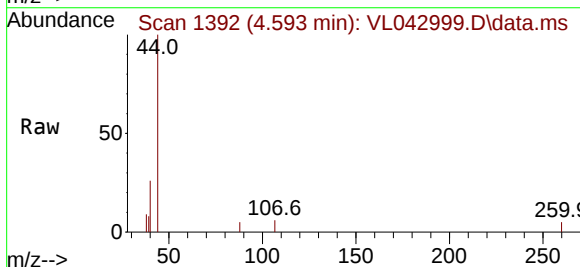
Ion Ratio Lower Upper

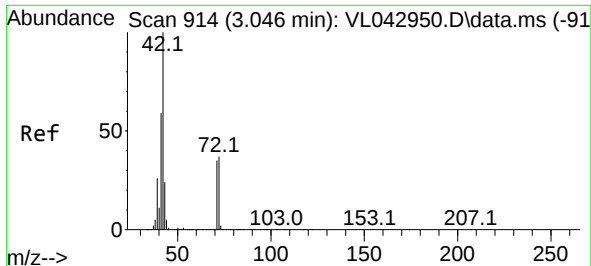
88 100

58 0.0 59.7 89.5#

43 4000.0 28.9 43.3#

57 0.0 0.0 0.0

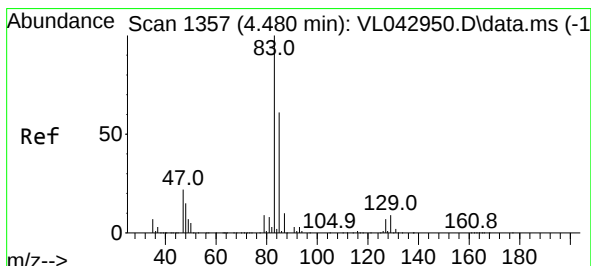
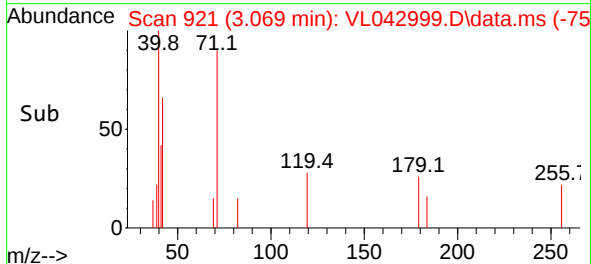
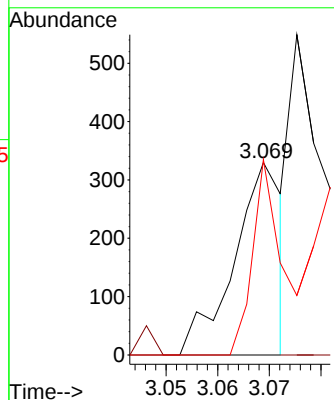
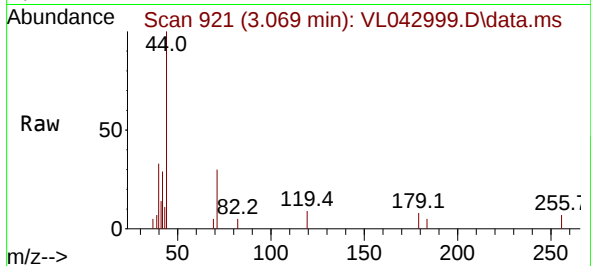




#41
Tetrahydrofuran
Concen: 0.014 ppbv
RT: 3.069 min Scan# 914
Delta R.T. 0.023 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

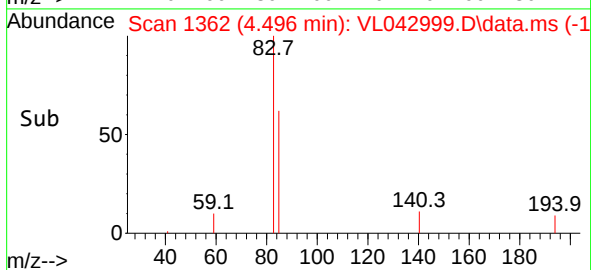
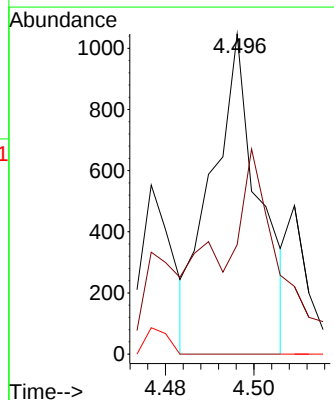
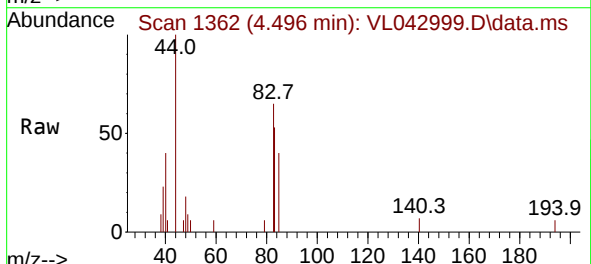
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

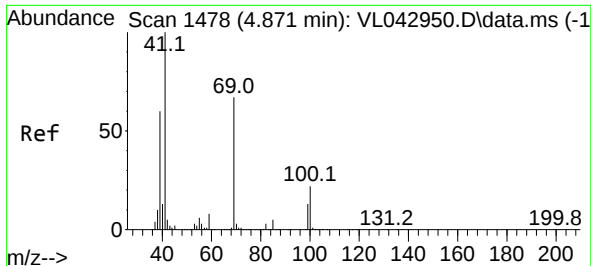
Tgt Ion: 42 Resp: 216
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 127.3 28.8 43.2#



#42
Bromodichloromethane
Concen: 0.029 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.016 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 83 Resp: 772
Ion Ratio Lower Upper
83 100
85 13.3 49.0 73.6#
127 0.0 5.3 7.9#

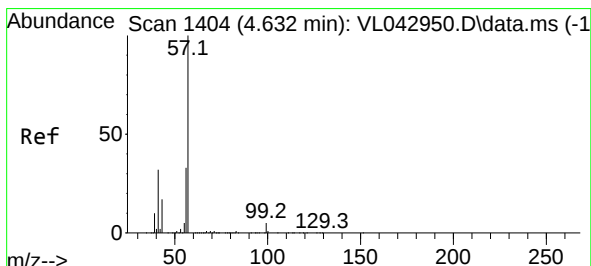
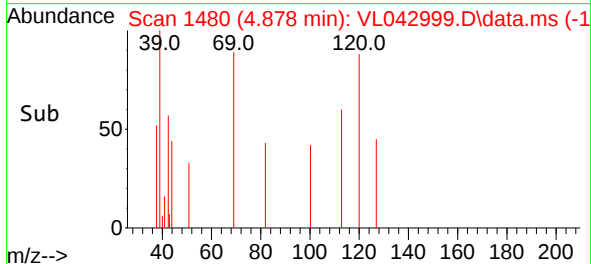
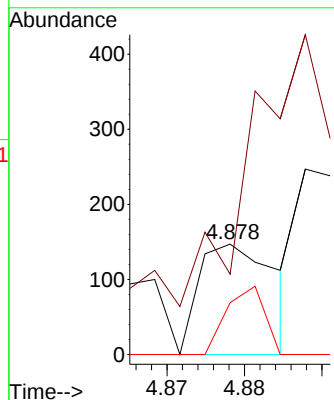
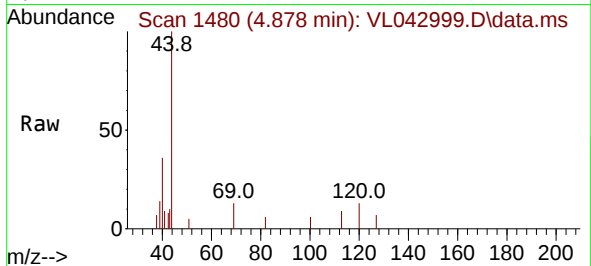




#43
Methyl Methacrylate
Concen: 0.007 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

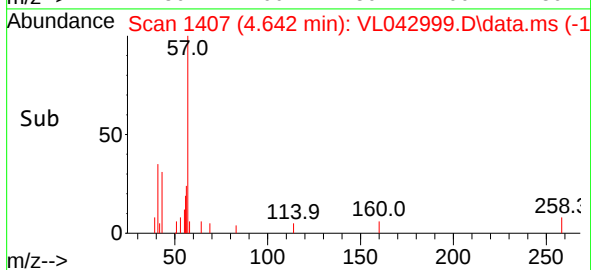
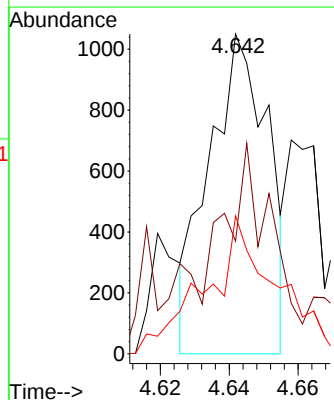
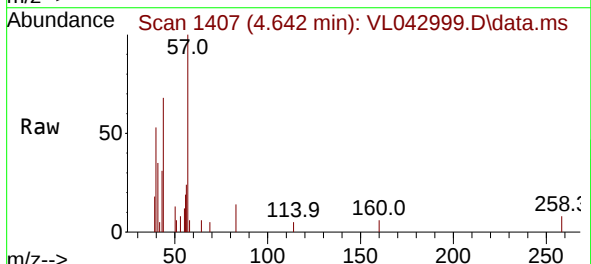
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

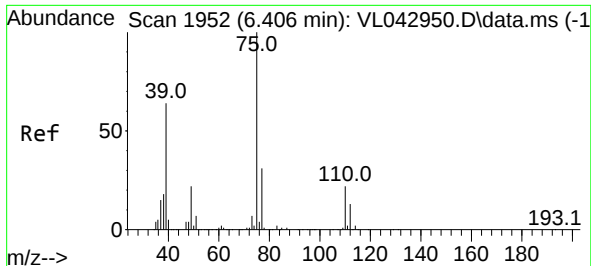
Tgt Ion: 69 Resp: 100
Ion Ratio Lower Upper
69 100
41 0.0 124.5 186.7#
100 31.0 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 0.020 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 57 Resp: 1249
Ion Ratio Lower Upper
57 100
41 94.6 25.5 38.3#
56 50.8 25.8 38.8#

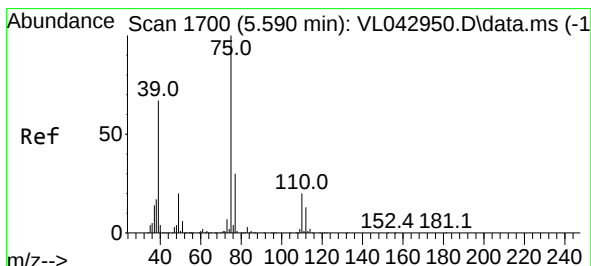
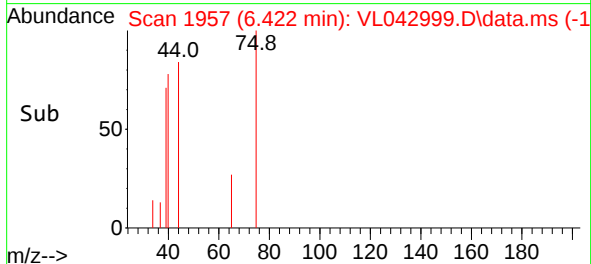
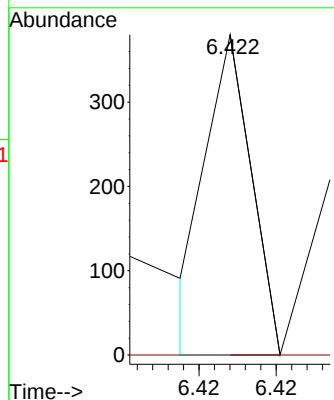
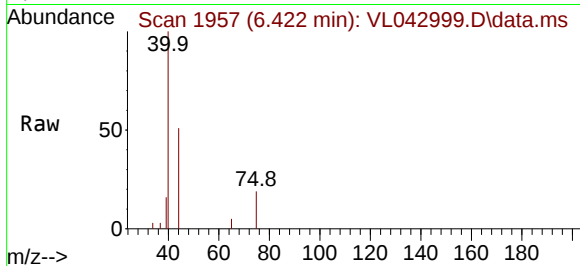




#45
t-1,3-Dichloropropene
Concen: 0.005 ppbv
RT: 6.422 min Scan# 1952
Delta R.T. 0.016 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

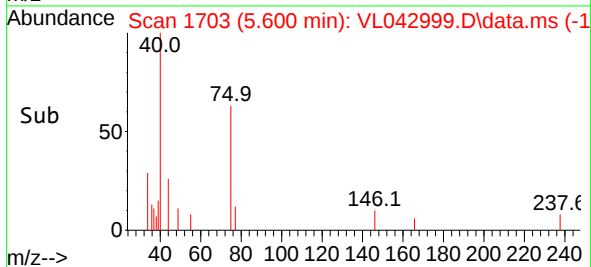
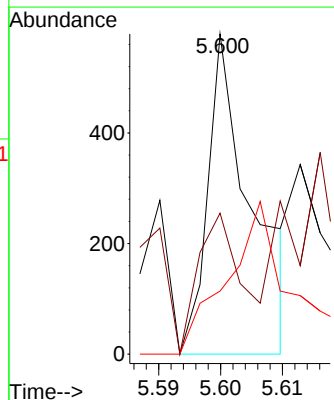
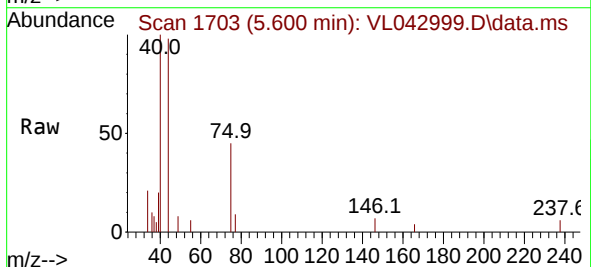
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

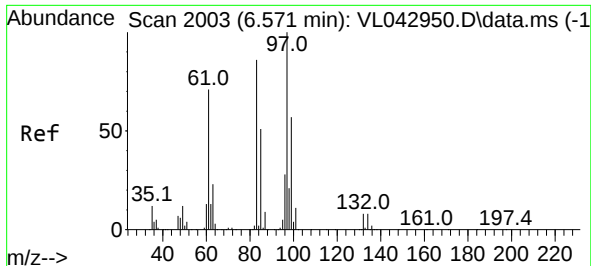
Tgt Ion: 75 Resp: 74
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#



#46
cis-1,3-Dichloropropene
Concen: 0.014 ppbv
RT: 5.600 min Scan# 1703
Delta R.T. 0.010 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 75 Resp: 285
Ion Ratio Lower Upper
75 100
39 44.0 53.8 80.6#
77 19.7 23.6 35.4#

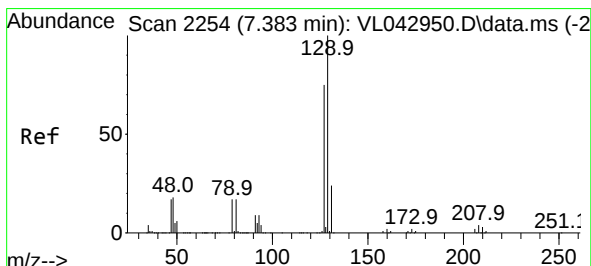
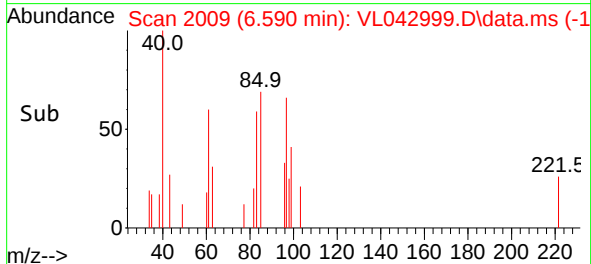
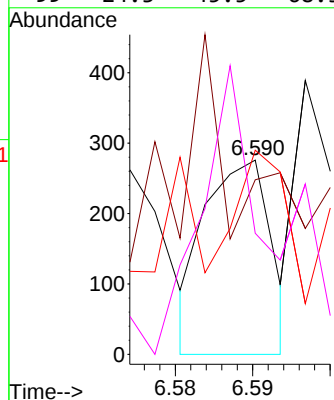
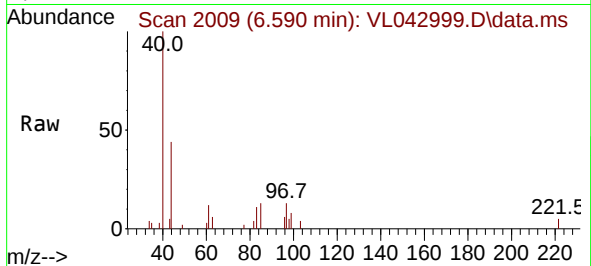




#47
 1,1,2-Trichloroethane
 Concen: 0.012 ppbv
 RT: 6.590 min Scan# 20
 Delta R.T. 0.020 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

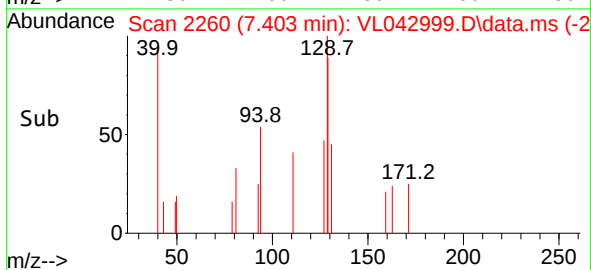
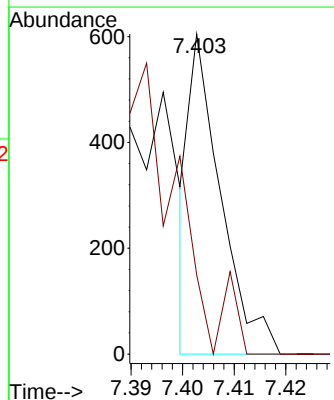
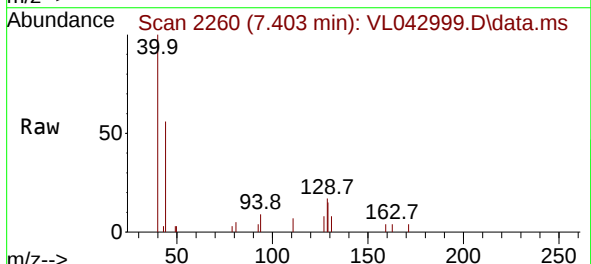
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

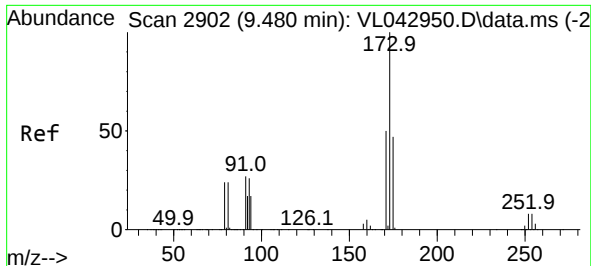
Tgt Ion: 97	Resp:	164
Ion	Ratio	Lower Upper
97	100	
83	44.9	68.7 103.1#
85	16.8	40.6 60.8#
99	24.3	45.5 68.3#



#48
 Dibromochloromethane
 Concen: 0.011 ppbv
 RT: 7.403 min Scan# 2260
 Delta R.T. 0.020 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion: 129	Resp:	256
Ion	Ratio	Lower Upper
129	100	
127	0.0	39.1 117.2#





#49

Bromoform

Concen: 0.002 ppbv

RT: 9.507 min Scan# 2902

Delta R.T. 0.026 min

Lab File: VL042999.D

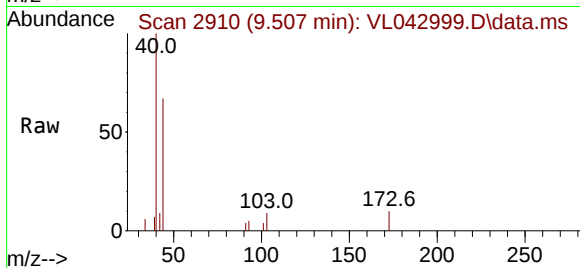
Acq: 23 Sep 2025 19:24

Instrument :

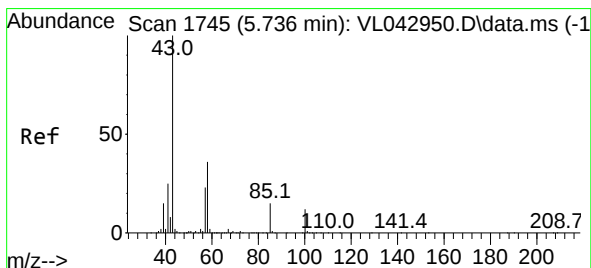
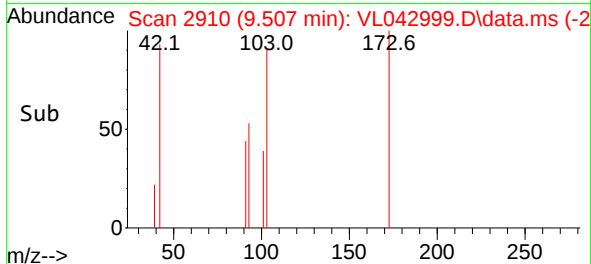
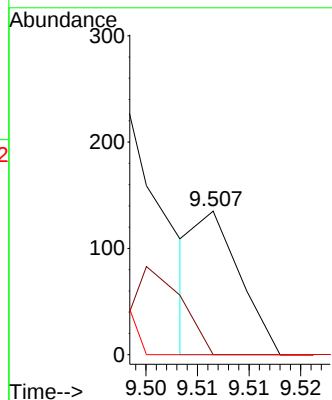
MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:	173	Resp:	38
Ion	Ratio	Lower	Upper
173	100		
175	0.0	37.9	56.9#
171	0.0	41.1	61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

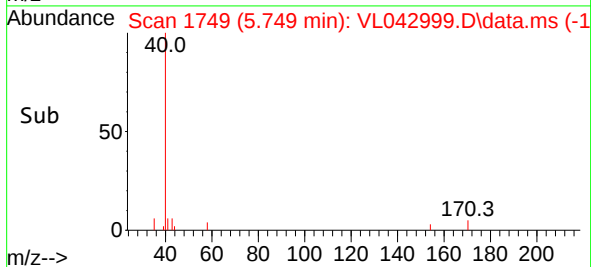
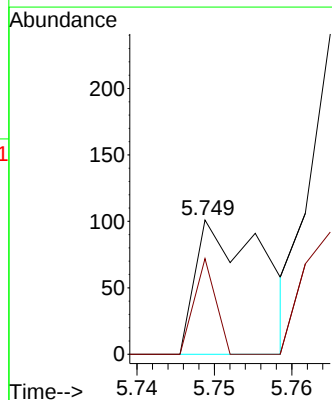
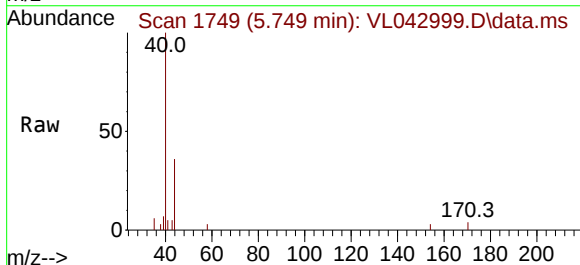
RT: 5.749 min Scan# 1749

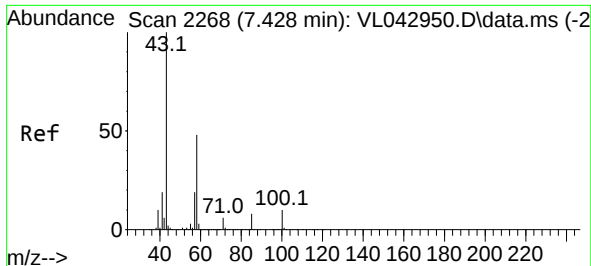
Delta R.T. 0.013 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#

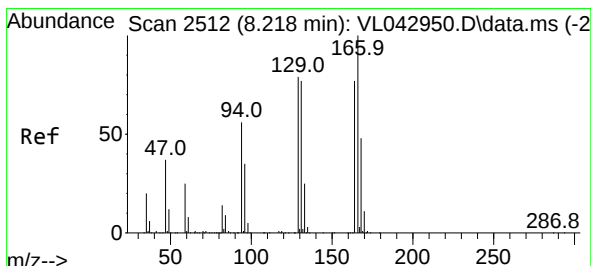
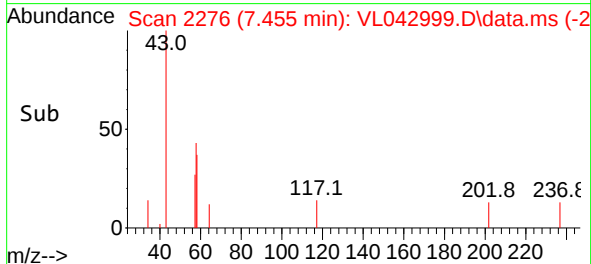
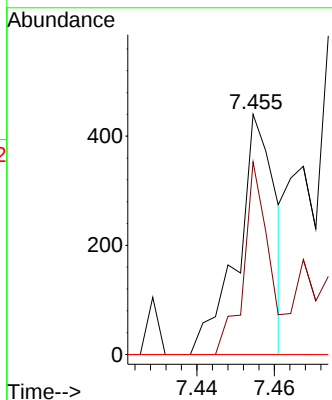
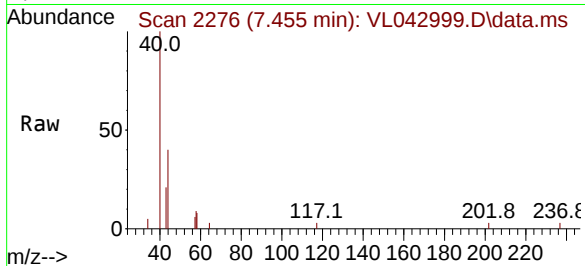




#51
2-Hexanone
Concen: 0.010 ppbv
RT: 7.455 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

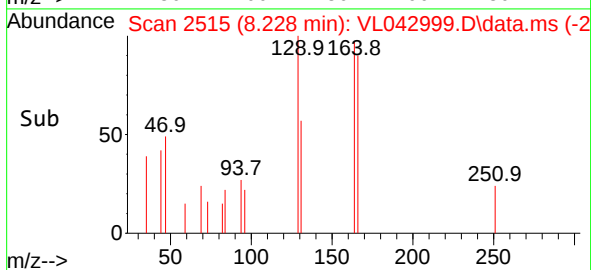
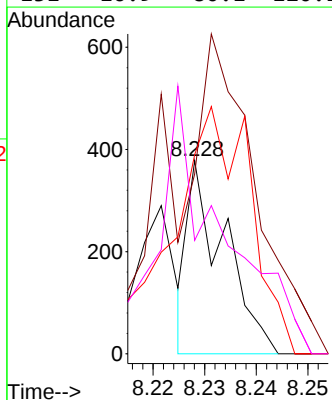
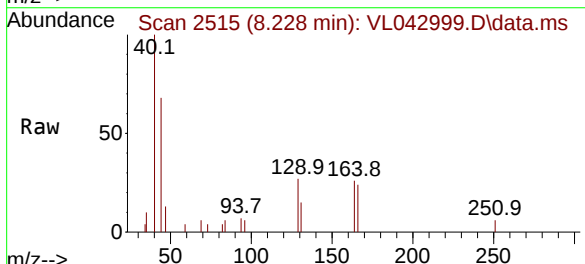
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

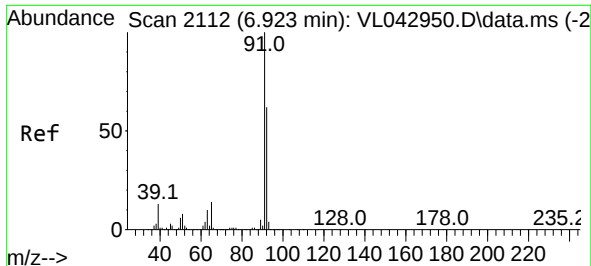
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 98.3 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.013 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 164 Resp: 187
Ion Ratio Lower Upper
164 100
166 44.7 103.5 155.3#
129 76.5 82.2 123.4#
131 16.9 80.1 120.1#





#53

Toluene

Concen: 0.011 ppbv

RT: 6.943 min Scan# 2112

Delta R.T. 0.020 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

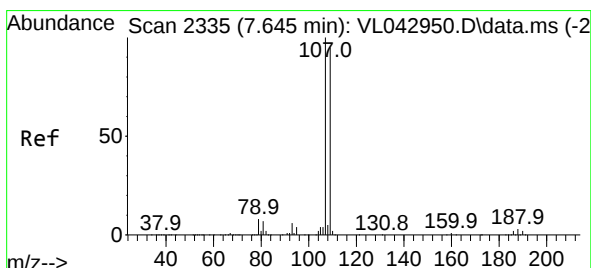
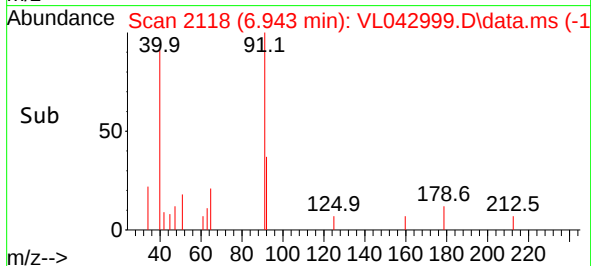
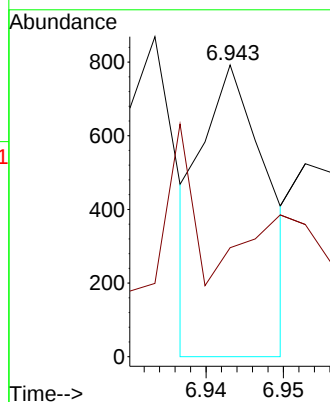
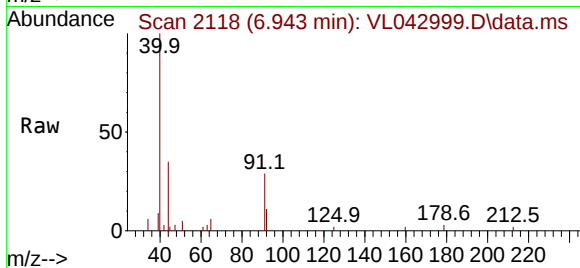
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 461

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#54

1,2-Dibromoethane

Concen: 0.010 ppbv

RT: 7.668 min Scan# 2342

Delta R.T. 0.023 min

Lab File: VL042999.D

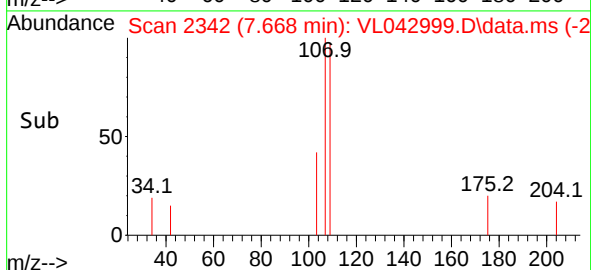
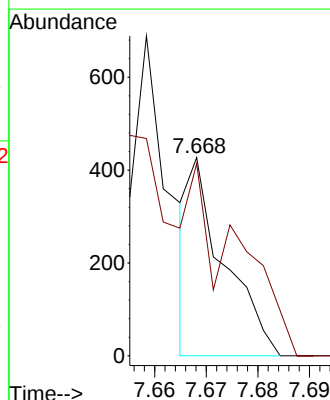
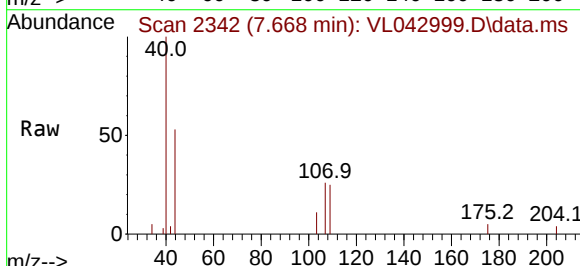
Acq: 23 Sep 2025 19:24

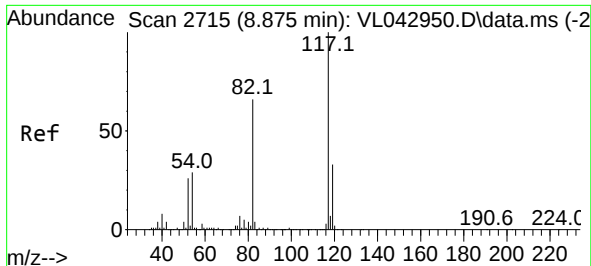
Tgt Ion: 107 Resp: 200

Ion Ratio Lower Upper

107 100

109 74.2 75.8 113.8#

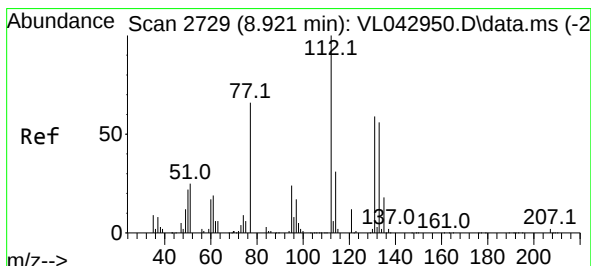
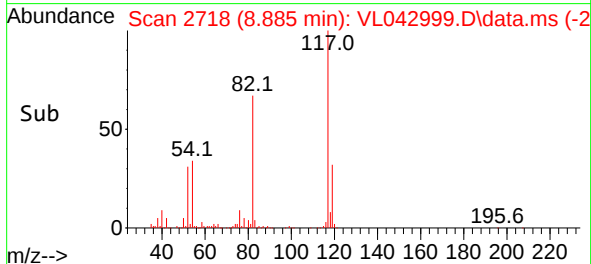
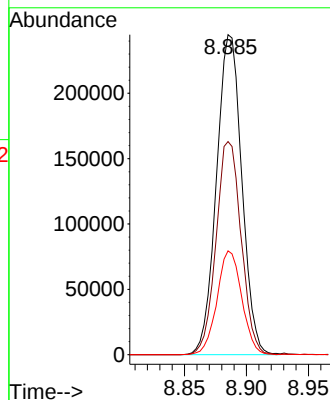
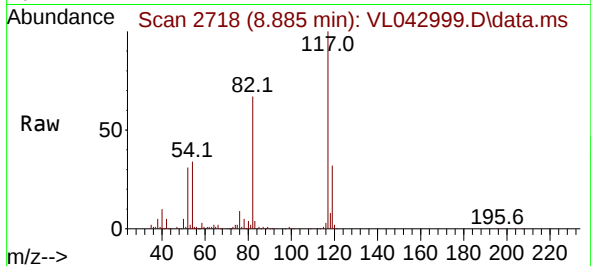




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2715
Delta R.T. 0.010 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

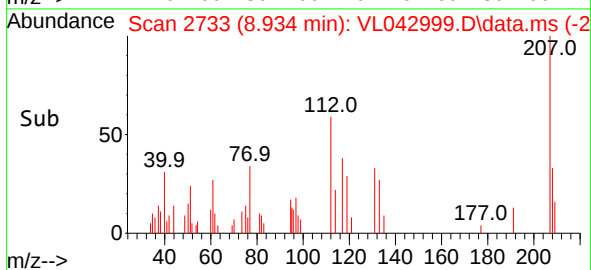
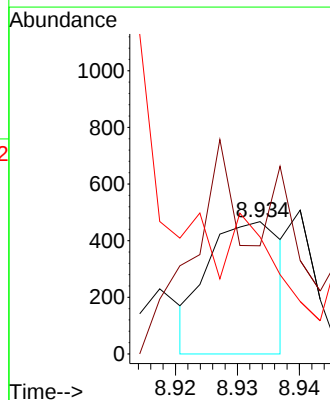
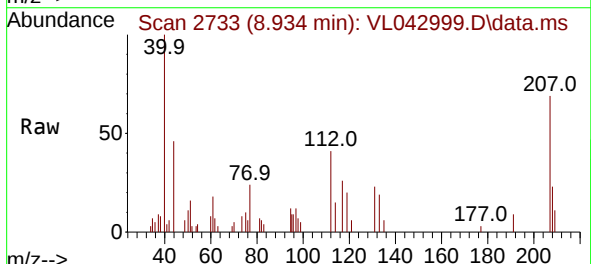
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

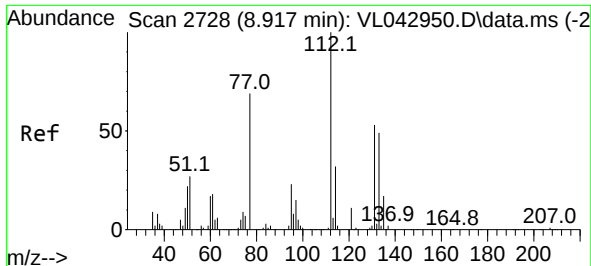
Tgt Ion:117 Resp: 349322
Ion Ratio Lower Upper
117 100
82 65.9 52.8 79.2
119 31.8 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.023 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion:131 Resp: 386
Ion Ratio Lower Upper
131 100
133 237.0 76.6 114.8#
119 0.0 49.9 74.9#

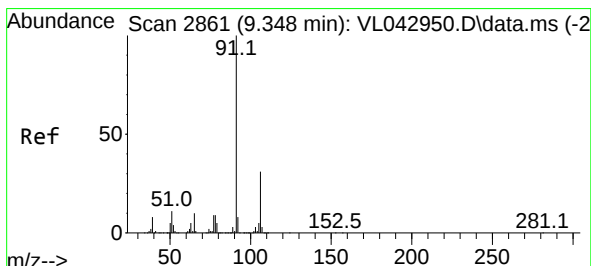
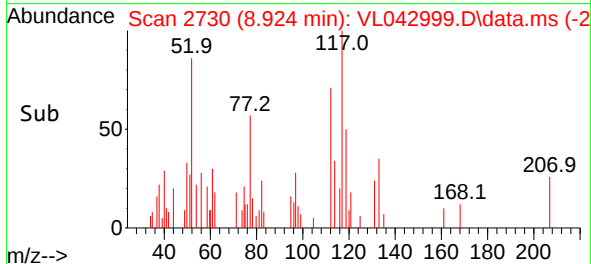
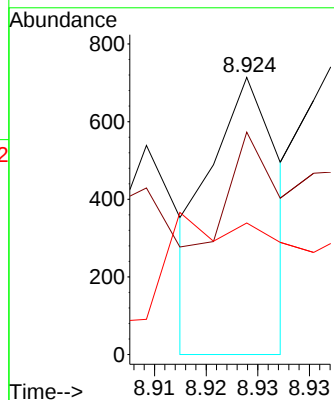
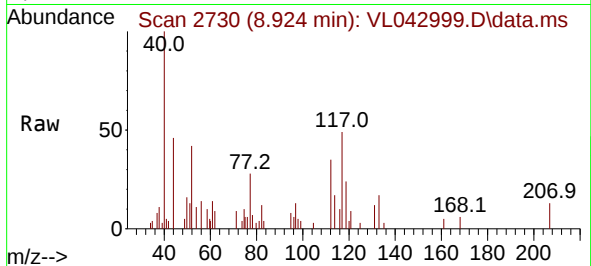




#57
Chlorobenzene
Concen: 0.010 ppbv
RT: 8.924 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

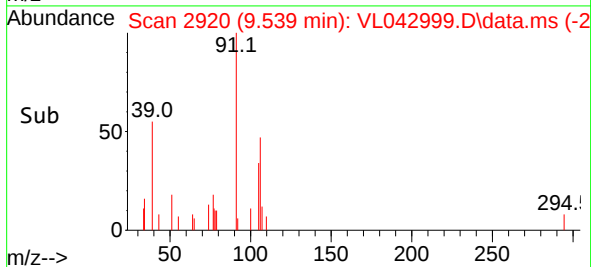
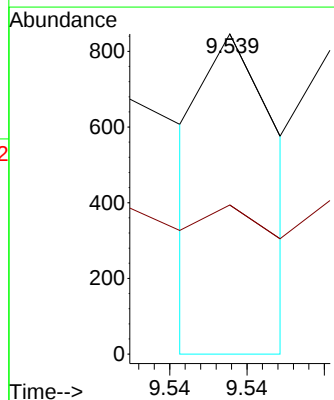
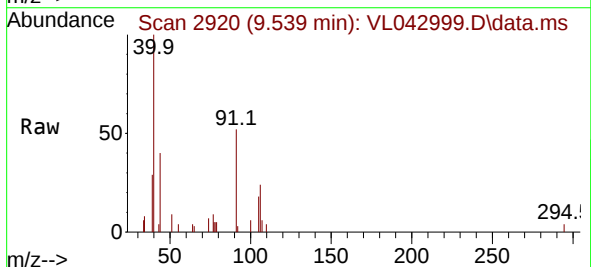
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

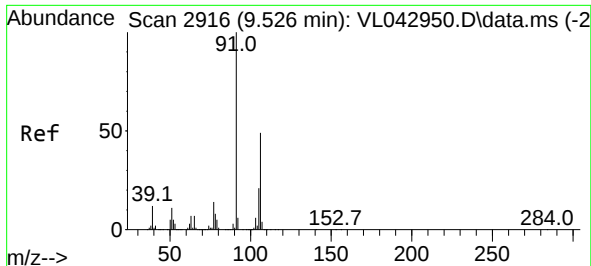
Tgt Ion:112 Resp: 330
Ion Ratio Lower Upper
112 100
77 54.0 55.7 83.5#
114 13.9 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.005 ppbv
RT: 9.539 min Scan# 2920
Delta R.T. 0.191 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 91 Resp: 277
Ion Ratio Lower Upper
91 100
106 33.0 24.6 37.0





#59

m/p-Xylene

Concen: 0.006 ppbv

RT: 9.539 min Scan# 2916

Delta R.T. 0.013 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

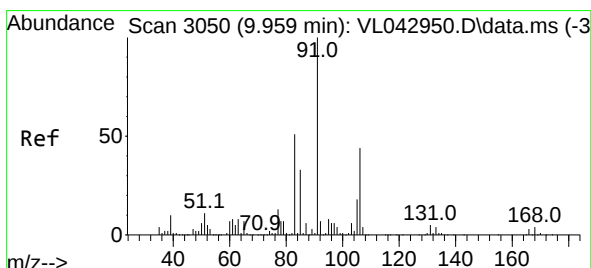
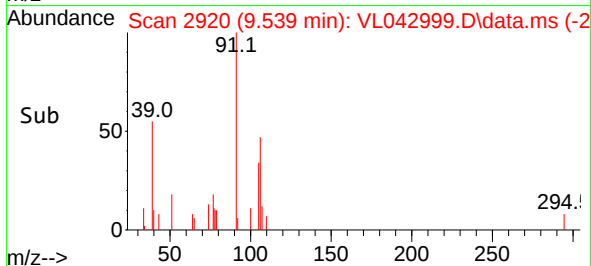
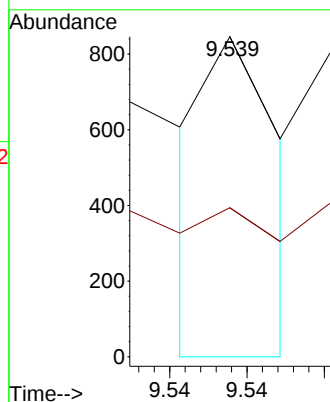
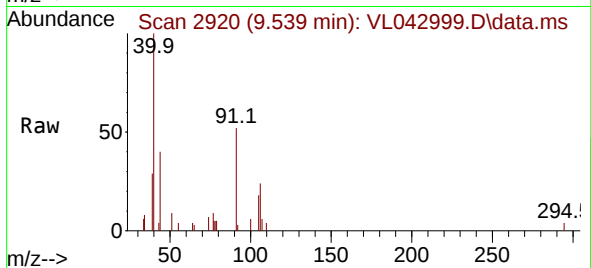
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 277

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.011 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.010 min

Lab File: VL042999.D

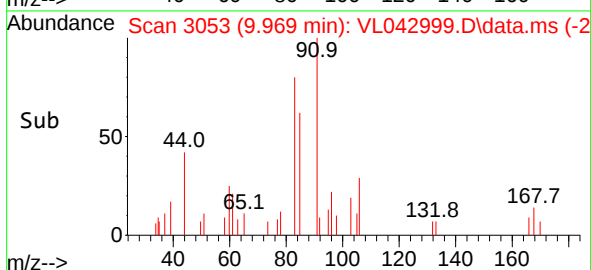
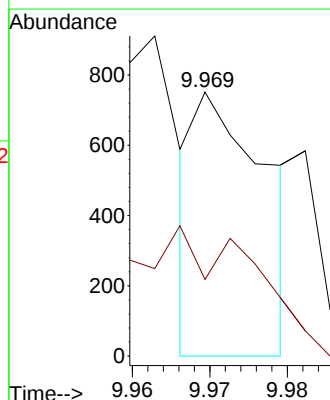
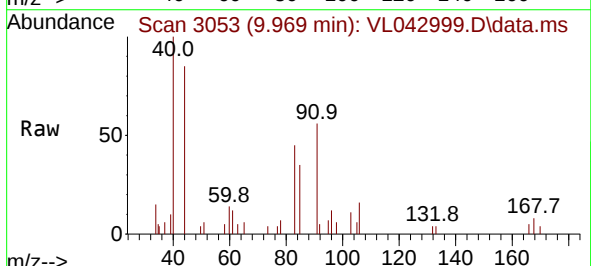
Acq: 23 Sep 2025 19:24

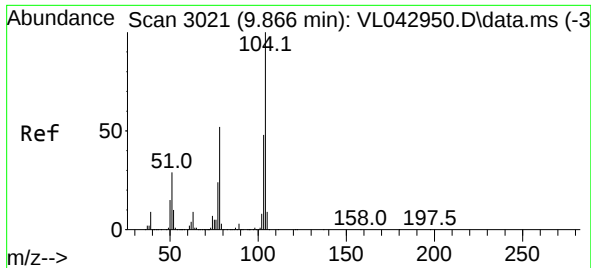
Tgt Ion: 91 Resp: 479

Ion Ratio Lower Upper

91 100

106 103.3 22.4 67.0#





#61

Styrene

Concen: 0.011 ppbv

RT: 9.876 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

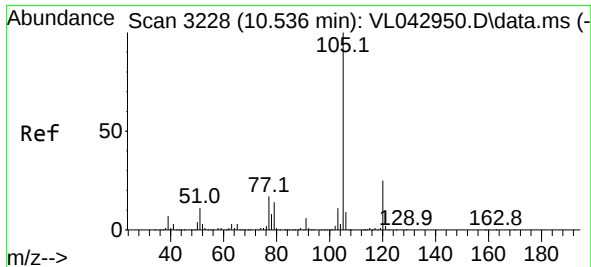
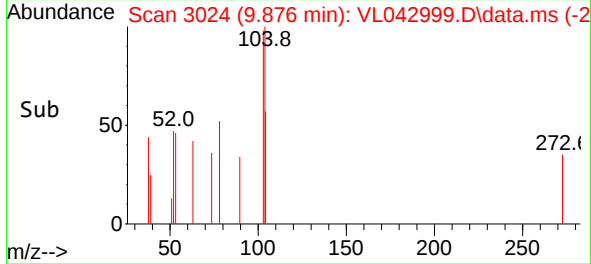
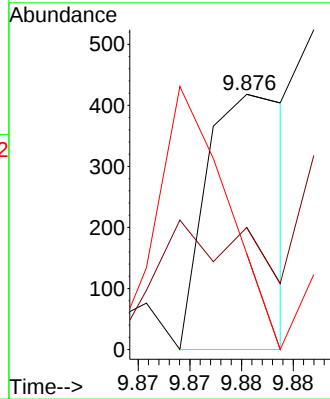
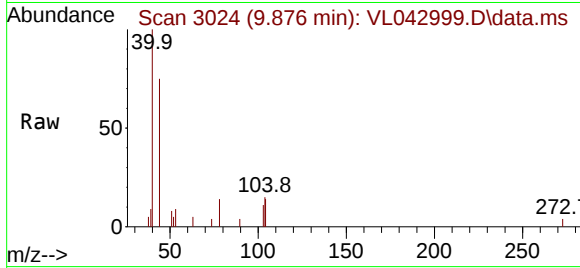
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:104	Resp:	230
Ion Ratio	Lower	Upper
104	100	
78	0.0	39.9 59.9#
103	0.0	36.9 55.3#



#62

Isopropylbenzene

Concen: 0.025 ppbv

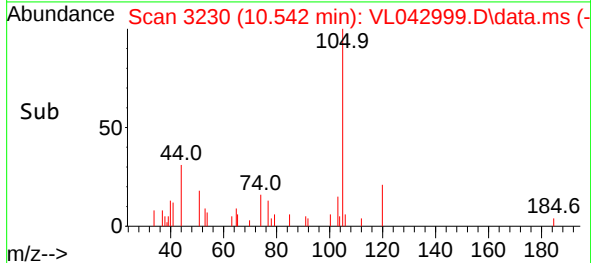
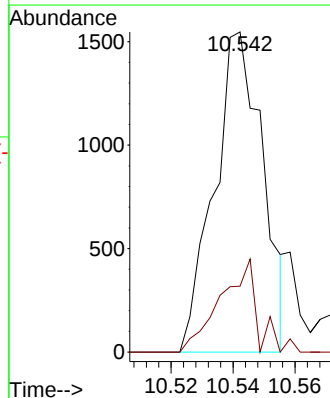
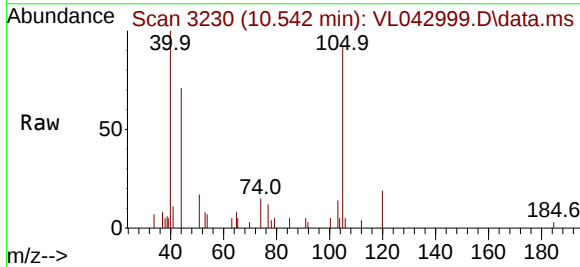
RT: 10.542 min Scan# 3230

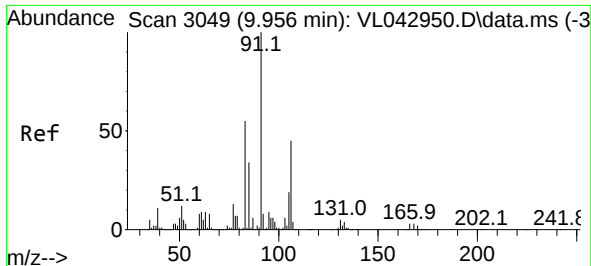
Delta R.T. 0.007 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion:105	Resp:	1685
Ion Ratio	Lower	Upper
105	100	
120	22.2	20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.021 ppbv

RT: 9.973 min Scan# 3049

Delta R.T. 0.016 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

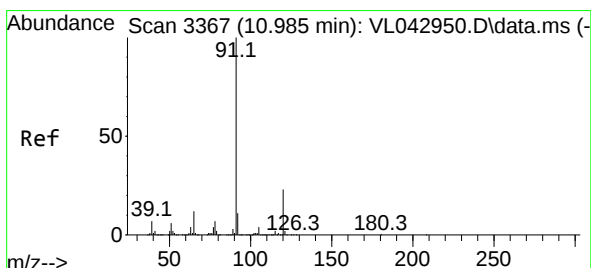
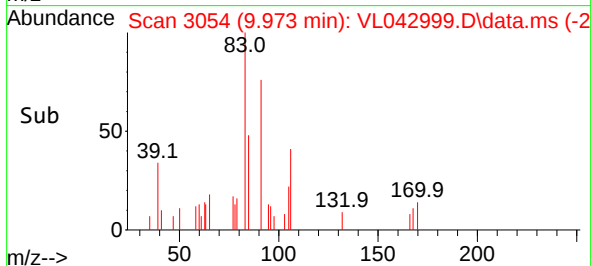
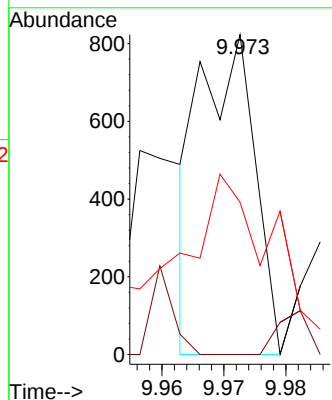
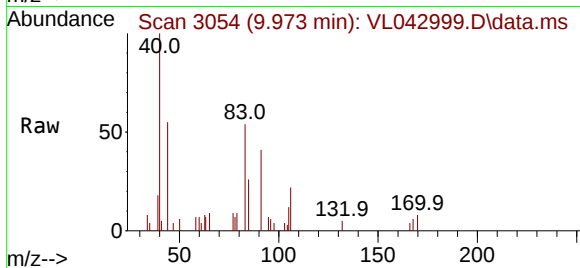
Tgt Ion: 83 Resp: 502

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 107.4 32.2 96.6#



#64

n-propylbenzene

Concen: 0.002 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. -0.434 min

Lab File: VL042999.D

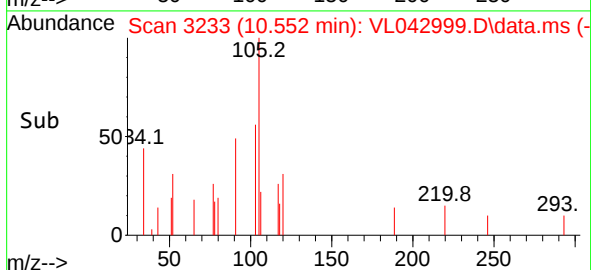
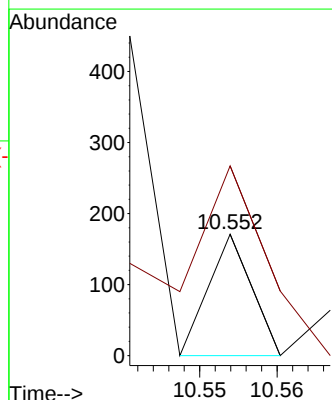
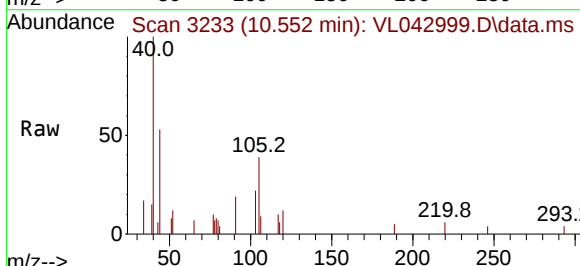
Acq: 23 Sep 2025 19:24

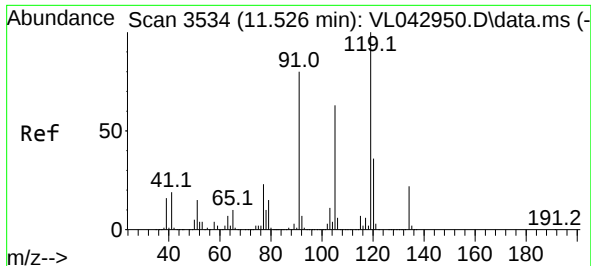
Tgt Ion: 120 Resp: 33

Ion Ratio Lower Upper

120 100

91 427.3 364.9 547.3

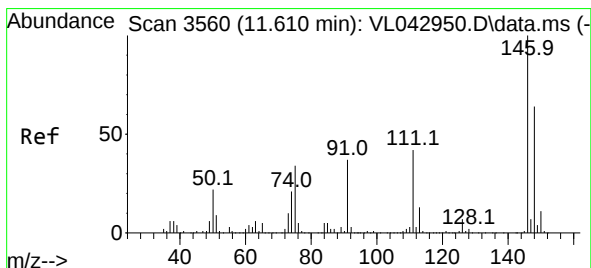
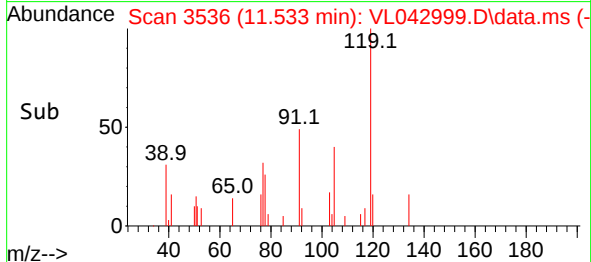
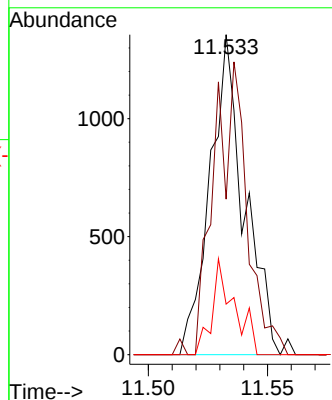
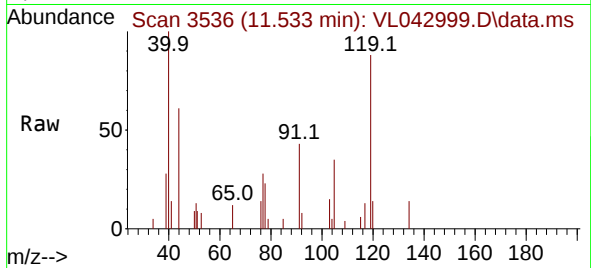




#65
tert-Butylbenzene
Concen: 0.023 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

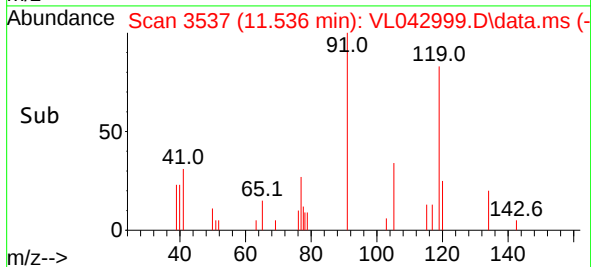
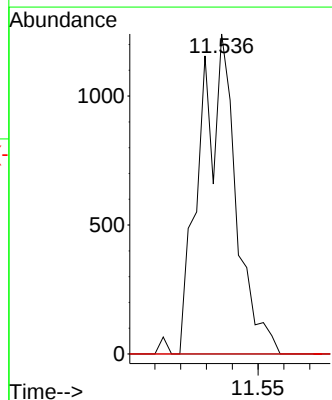
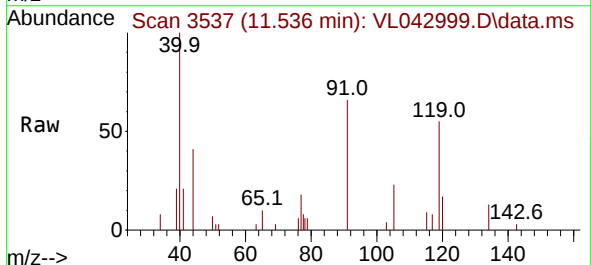
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2025

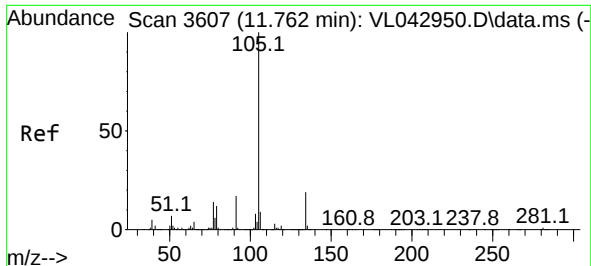
Tgt Ion:119 Resp: 1353
Ion Ratio Lower Upper
119 100
91 88.5 63.1 94.7
134 19.4 17.0 25.6



#66
Benzyl Chloride
Concen: 0.188 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.074 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion: 91 Resp: 1185
Ion Ratio Lower Upper
91 100
126 0.0 14.6 21.8#
128 1.1 5.0 7.4#

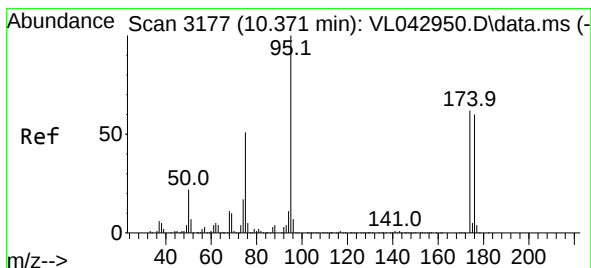
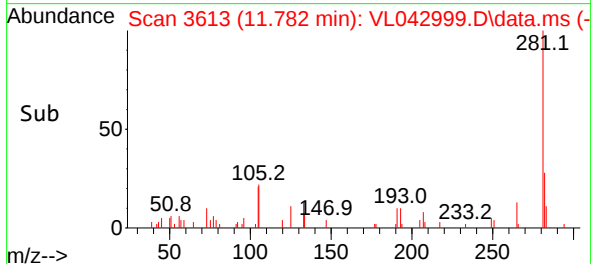
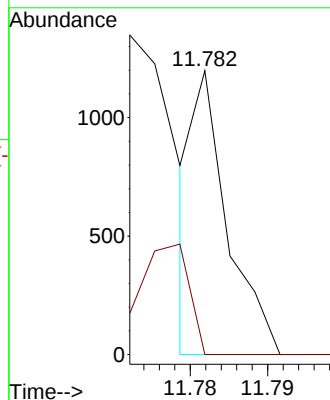
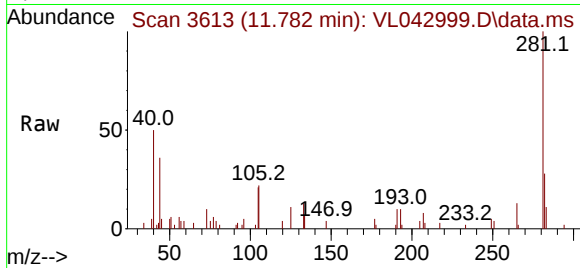




#67
 sec-Butylbenzene
 Concen: 0.004 ppbv
 RT: 11.782 min Scan# 3180
 Delta R.T. 0.020 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

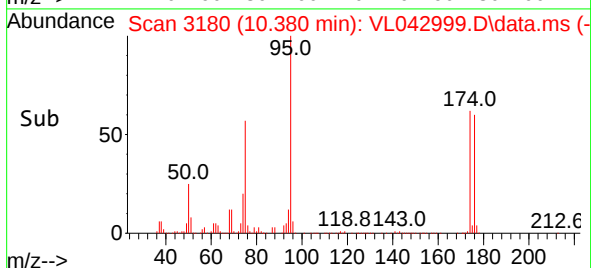
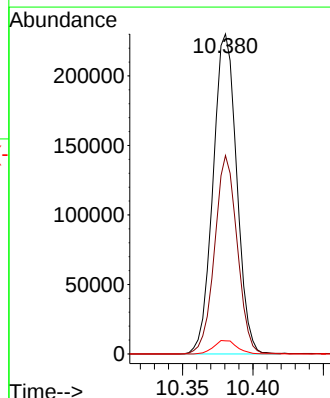
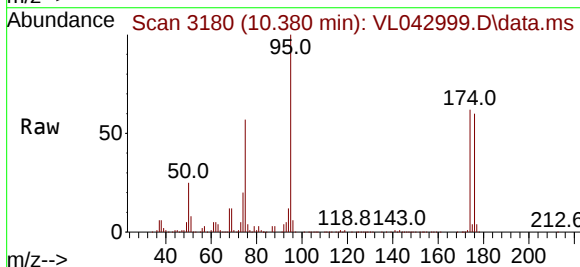
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

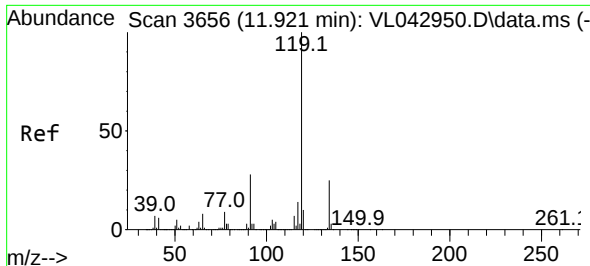
Tgt Ion:105 Resp: 365
 Ion Ratio Lower Upper
 105 100
 134 102.7 15.7 23.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.311 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Tgt Ion: 95 Resp: 268863
 Ion Ratio Lower Upper
 95 100
 174 59.4 51.4 77.2
 175 4.2 4.0 6.0

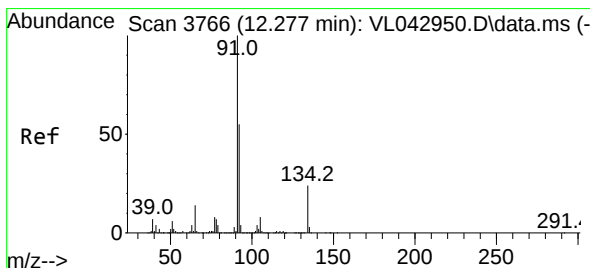
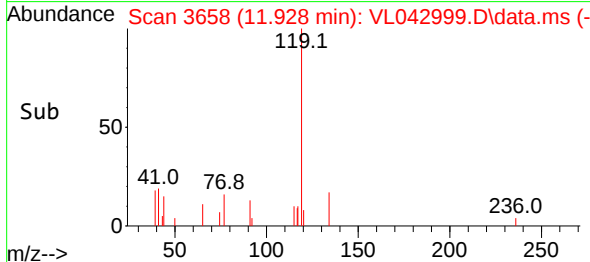
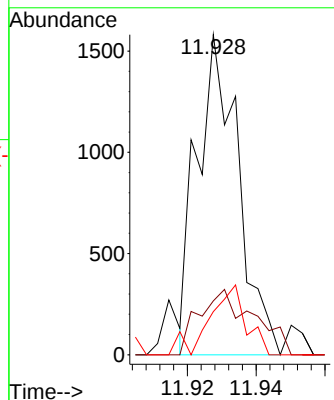
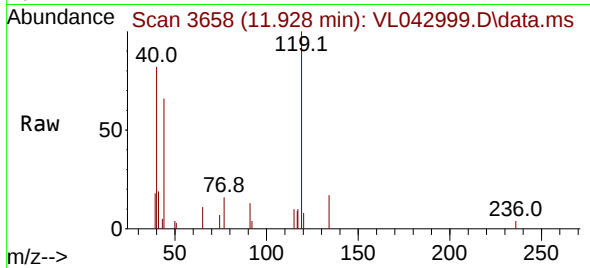




#69
p-Isopropyltoluene
Concen: 0.019 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

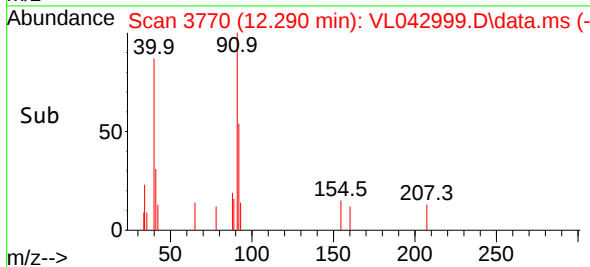
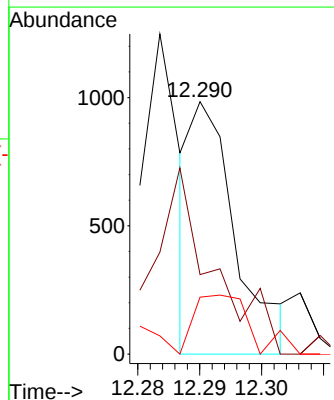
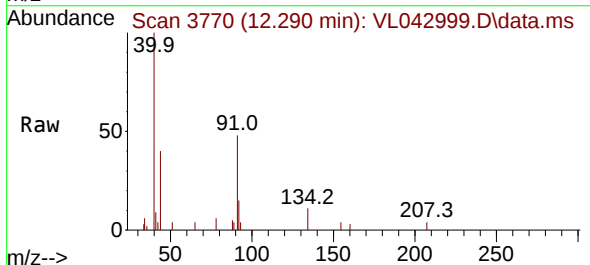
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

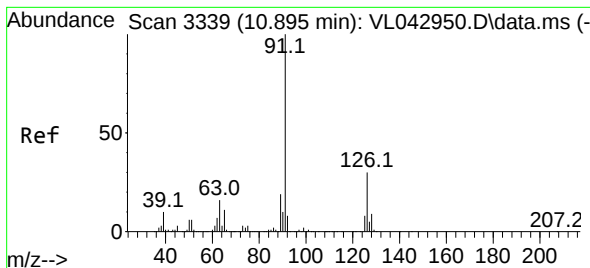
Tgt Ion:	119	Resp:	1321
Ion	Ratio	Lower	Upper
119	100		
134	26.9	21.0	31.4
91	21.4	22.3	33.5#



#70
n-Butylbenzene
Concen: 0.007 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.013 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion:	91	Resp:	489
Ion	Ratio	Lower	Upper
91	100		
92	103.7	44.0	66.0#
134	40.1	19.4	29.2#





#71

2-Chlorotoluene

Concen: 0.031 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

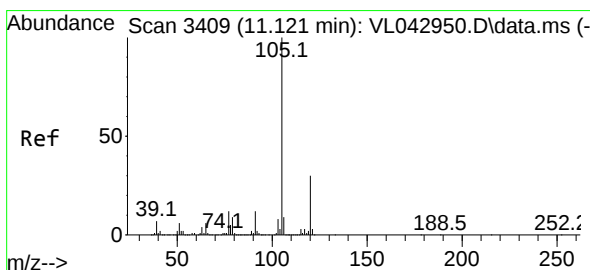
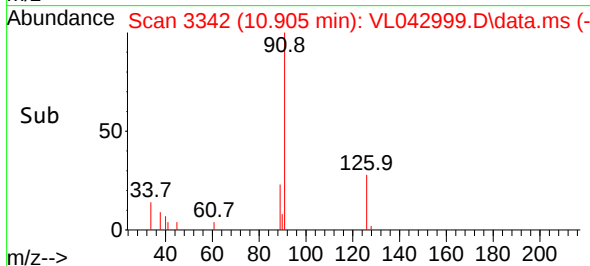
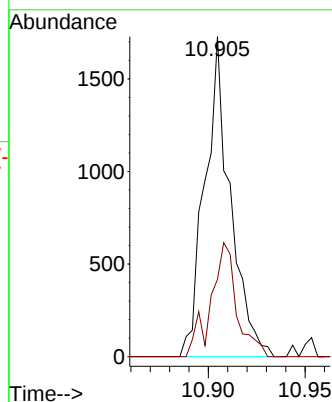
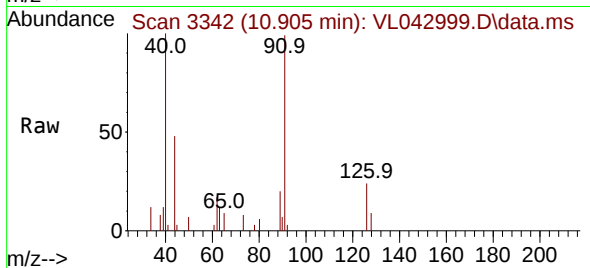
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 1578

Ion Ratio Lower Upper

91 100

126 36.1 12.3 49.3



#72

4-Ethyltoluene

Concen: 0.014 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.007 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion: 105 Resp: 812

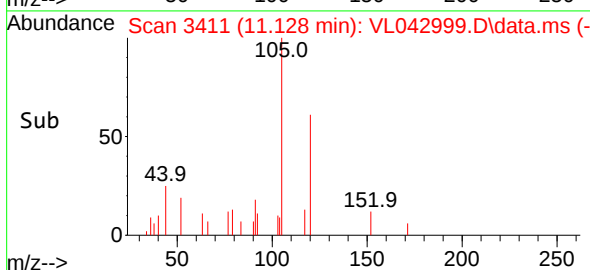
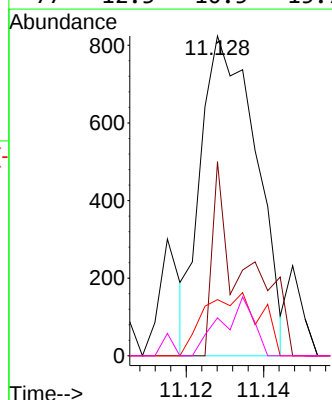
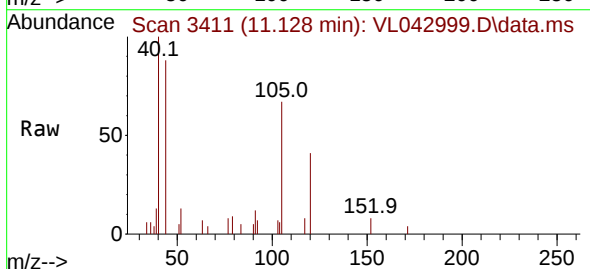
Ion Ratio Lower Upper

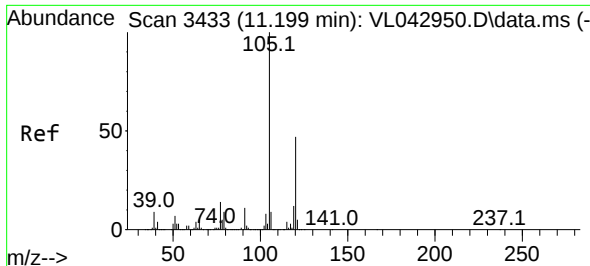
105 100

120 35.7 24.2 36.2

91 20.0 10.0 15.0#

77 12.3 10.5 15.7

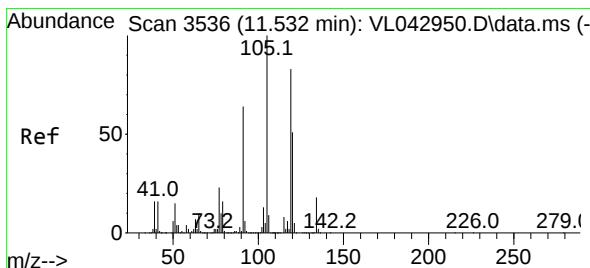
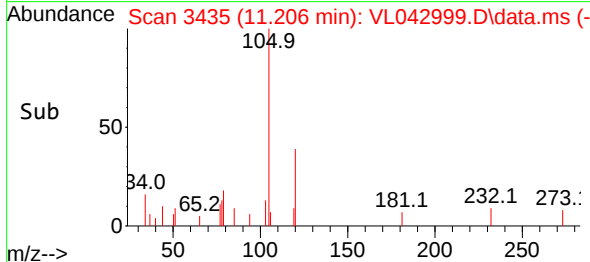
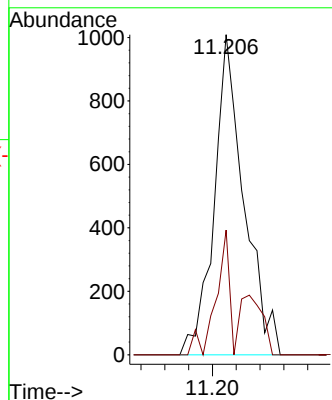
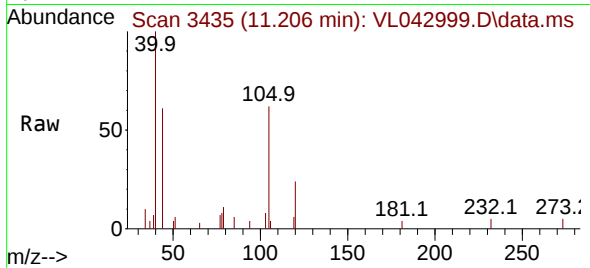




#73
1,3,5-Trimethylbenzene
Concen: 0.019 ppbv
RT: 11.206 min Scan# 3435
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

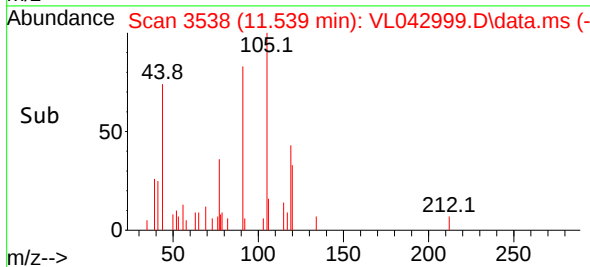
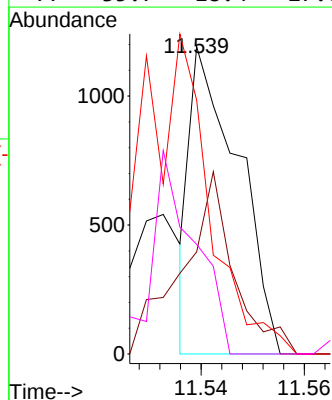
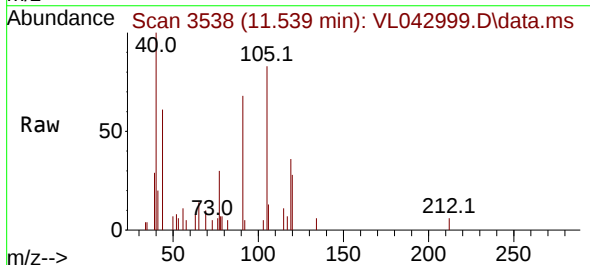
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

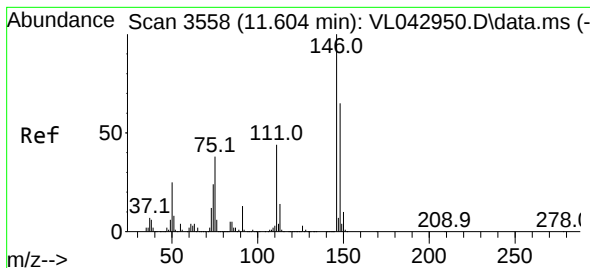
Tgt Ion:105 Resp: 877
Ion Ratio Lower Upper
105 100
120 36.6 38.0 57.0#



#74
1,2,4-Trimethylbenzene
Concen: 0.015 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion:105 Resp: 768
Ion Ratio Lower Upper
105 100
120 24.4 40.9 61.3#
91 76.6 51.2 76.8
77 35.7 18.4 27.6#





#75

1,3-Dichlorobenzene

Concen: 0.003 ppbv

RT: 11.623 min Scan# 3558

Delta R.T. 0.020 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

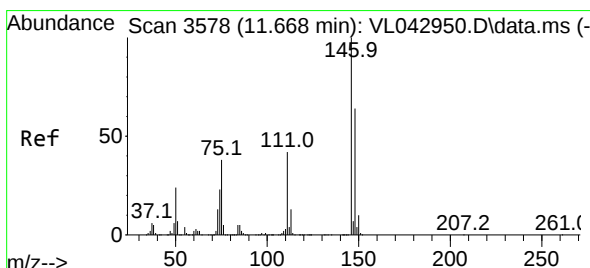
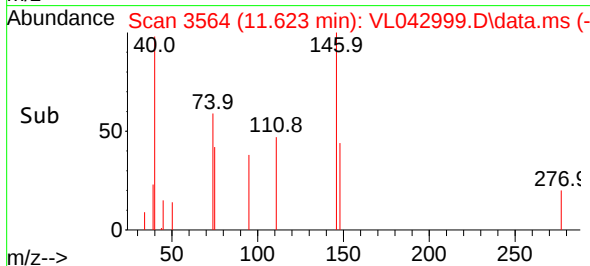
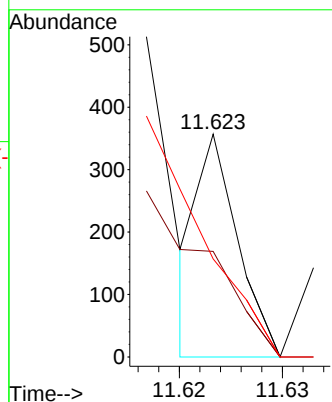
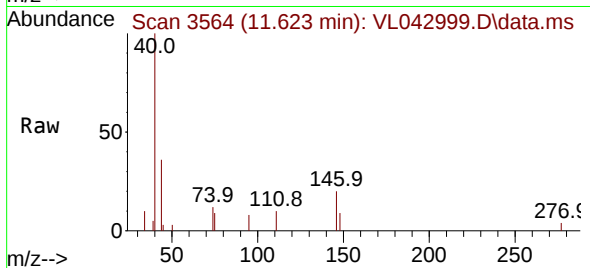
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:146	Resp:	94
Ion Ratio	Lower	Upper
146	100	
111	0.0	22.3 66.9#
148	0.0	31.9 95.5#



#76

1,4-Dichlorobenzene

Concen: 0.017 ppbv

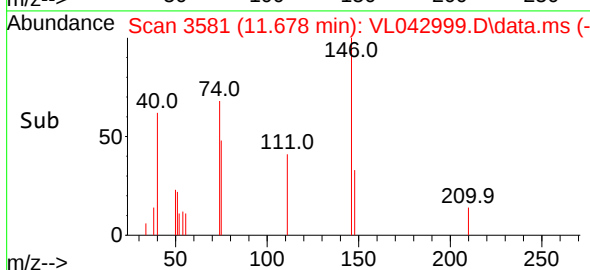
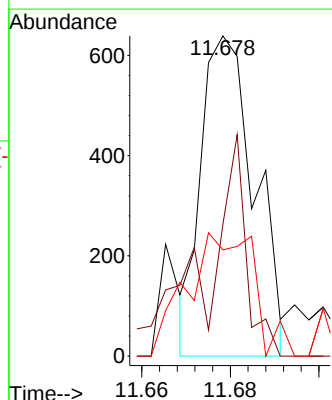
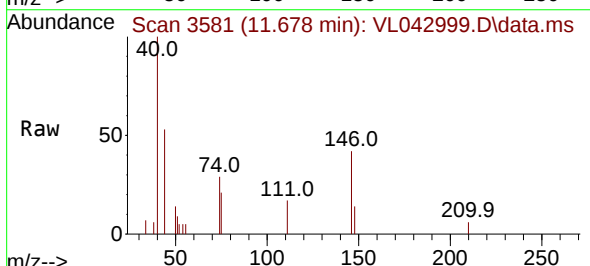
RT: 11.678 min Scan# 3581

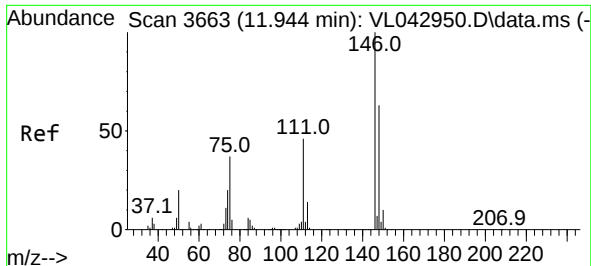
Delta R.T. 0.010 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

Tgt Ion:146	Resp:	538
Ion Ratio	Lower	Upper
146	100	
111	53.9	21.5 64.5
148	51.7	31.9 95.5

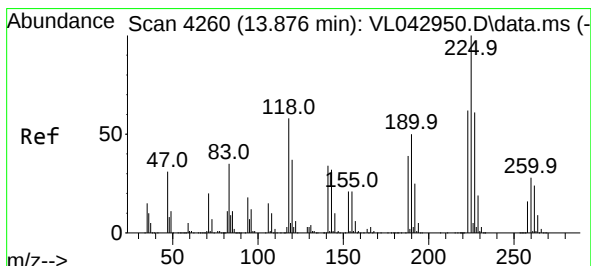
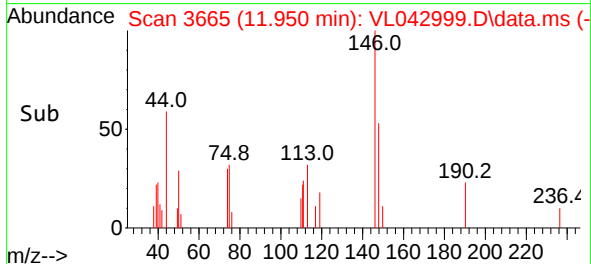
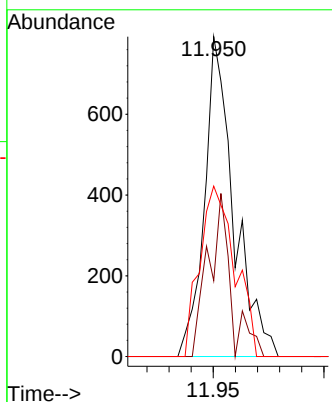
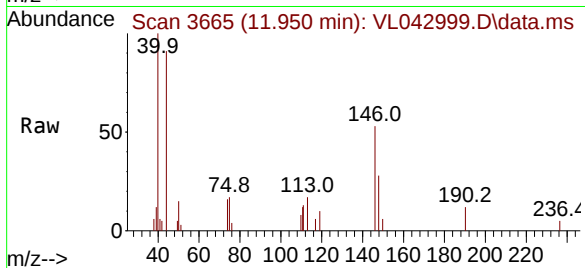




#77
1,2-Dichlorobenzene
Concen: 0.024 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

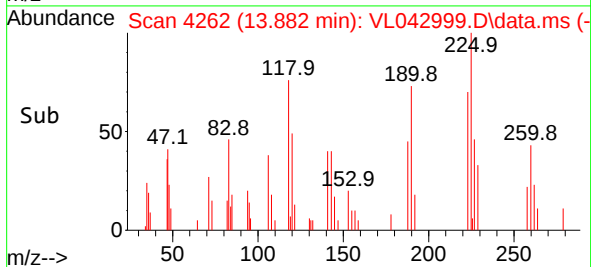
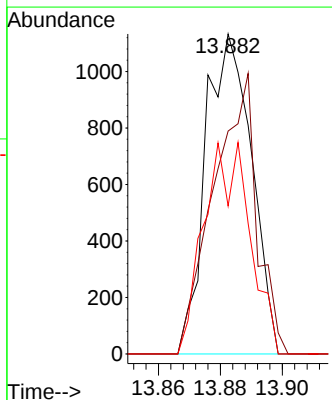
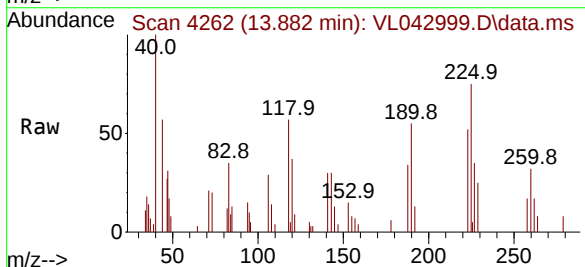
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

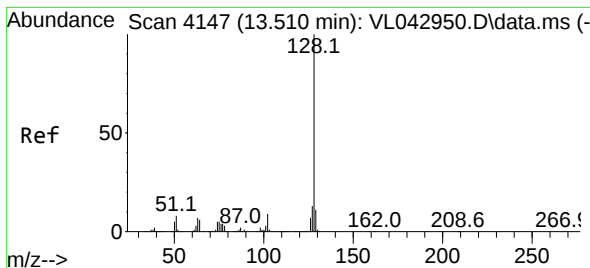
Tgt Ion:	146	Resp:	730
Ion	Ratio	Lower	Upper
146	100		
111	39.2	23.1	69.3
148	63.8	32.0	96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.050 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion:	225	Resp:	1164
Ion	Ratio	Lower	Upper
225	100		
223	82.4	50.1	75.1#
227	65.8	50.4	75.6





#79

Naphthalene

Concen: 0.005 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

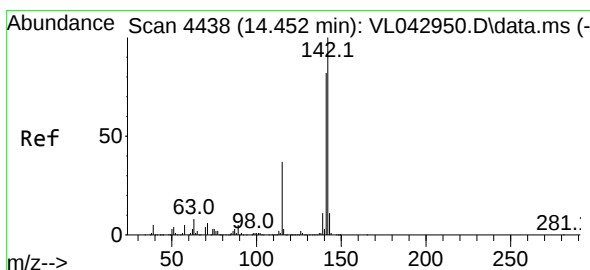
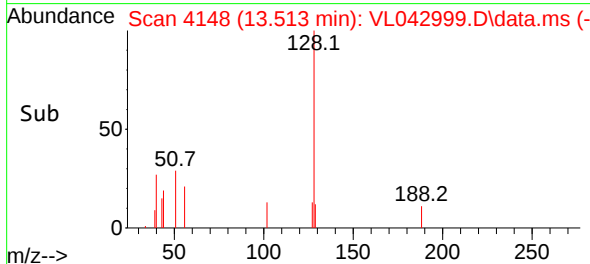
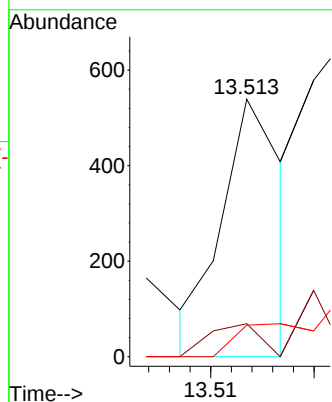
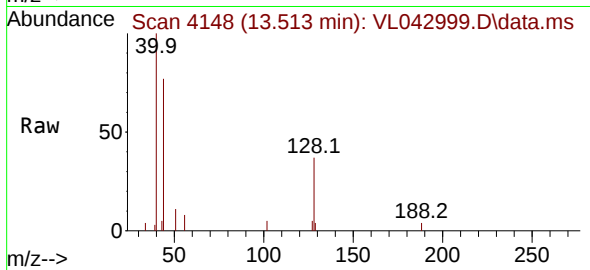
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:	128	Resp:	223
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	13.0	9.0	13.6



#80

Naphthalene,2-methyl-

Concen: 0.054 ppbv

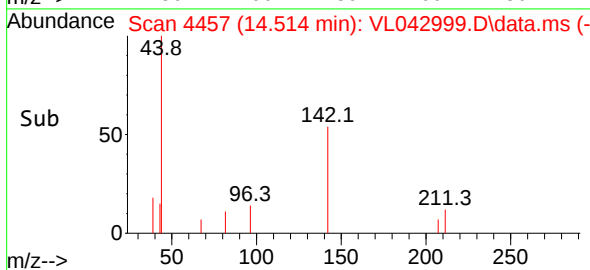
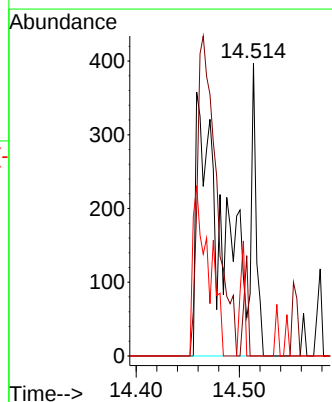
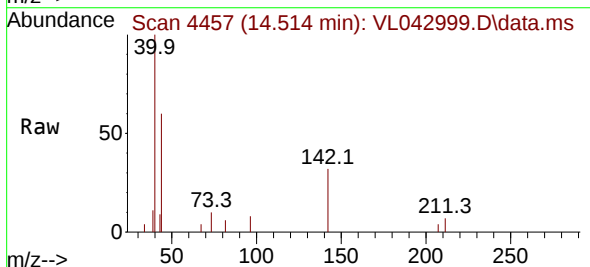
RT: 14.514 min Scan# 4457

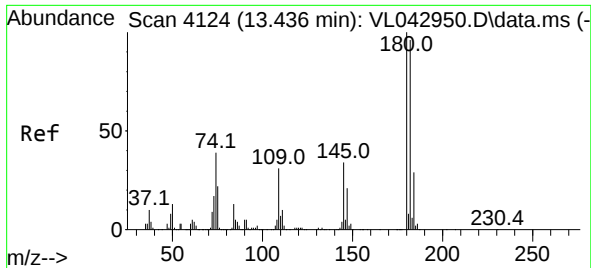
Delta R.T. 0.062 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

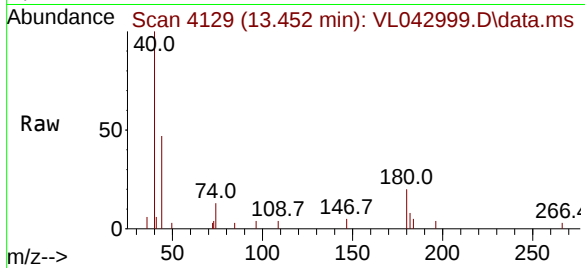
Tgt Ion:	142	Resp:	753
Ion	Ratio	Lower	Upper
142	100		
141	78.9	65.1	97.7
115	39.2	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.005 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025



Tgt Ion:180 Resp: 120
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.7 113.5#
 184 41.7 23.9 35.9#

