

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042853.D
 Acq On : 13 Aug 2025 15:49
 Operator : SY/MD
 Sample : Q2126-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Quant Time: Aug 14 02:51:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	130840	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.975	114	403155	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	352573	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	266993	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.560	85	1540	0.080	ppbv	97
3) Chlorodifluoromethane	1.479	51	2500	0.118	ppbv	96
4) Chloromethane	1.538	50	922	0.119	ppbv #	85
5) Vinyl Chloride	1.583	62	894	0.117	ppbv #	77
6) Bromomethane	1.670	94	510	0.167	ppbv #	33
7) Chloroethane	1.712	64	437	0.147	ppbv	93
8) Dichlorotetrafluoroethane	1.560	85	1540	0.098	ppbv	93
9) Propene	1.434	41	207	0.023	ppbv	87
10) Heptane	5.004	43	527	0.021	ppbv #	1
11) Trichlorofluoromethane	1.884	101	2046	0.108	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.146	101	1621	0.107	ppbv	91
13) Ethanol	1.729	45	574	0.686	ppbv #	32
14) Bromoethene	1.790	108	732	0.134	ppbv #	67
15) Acetone	1.842	43	3231	0.187	ppbv #	84
16) 1,3-Butadiene	1.612	39	1365	0.174	ppbv	98
17) tert-Butyl alcohol	2.052	59	2403	0.117	ppbv #	1
18) 1,1-Dichloroethene	2.043	96	611	0.092	ppbv #	12
19) Isopropyl Alcohol	1.894	45	1534	0.148	ppbv #	43
20) Methylene Chloride	2.069	84	2223	0.307	ppbv #	92
21) Allyl Chloride	2.104	41	1581	0.129	ppbv #	44
22) trans-1,2-Dichloroethene	2.732	96	1477	0.193	ppbv	90
23) Vinyl Acetate	2.473	43	2823	0.119	ppbv #	80
24) 1,1-Dichloroethane	2.418	63	1760	0.115	ppbv #	71
25) Ethyl Acetate	2.852	43	4371	0.104	ppbv #	88
26) Hexane	2.839	57	2025	0.105	ppbv #	3
27) Carbon Disulfide	2.159	76	1947	0.103	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	953	0.097	ppbv #	1
29) Chloroform	2.862	83	1515	0.055	ppbv	93
30) Cyclohexane	3.878	84	419	0.025	ppbv #	1
31) cis-1,2-Dichloroethene	2.732	61	2248	0.116	ppbv	96
32) 1,1,1-Trichloroethane	3.389	97	1104	0.038	ppbv #	1
34) 2-Butanone	2.573	43	2872	0.106	ppbv #	81
35) Carbon Tetrachloride	3.777	117	1367	0.049	ppbv #	37
36) Benzene	3.671	78	3274	0.085	ppbv #	60
37) 1,2-Dichloroethane	3.234	62	2291	0.114	ppbv	99
38) Trichloroethene	4.567	130	1666	0.094	ppbv #	91
39) 1,2-Dichloropropane	3.972	63	100506	7.128	ppbv #	26
40) 1,4-Dioxane	4.625	88	142	0.021	ppbv #	1
41) Tetrahydrofuran	3.078	42	958	0.063	ppbv #	36
42) Bromodichloromethane	4.512	83	1620	0.054	ppbv #	95
43) Methyl Methacrylate	4.910	69	573	0.036	ppbv #	1
44) 2,2,4-Trimethylpentane	4.655	57	4434	0.068	ppbv #	42
45) t-1,3-Dichloropropene	6.457	75	316	0.018	ppbv	92

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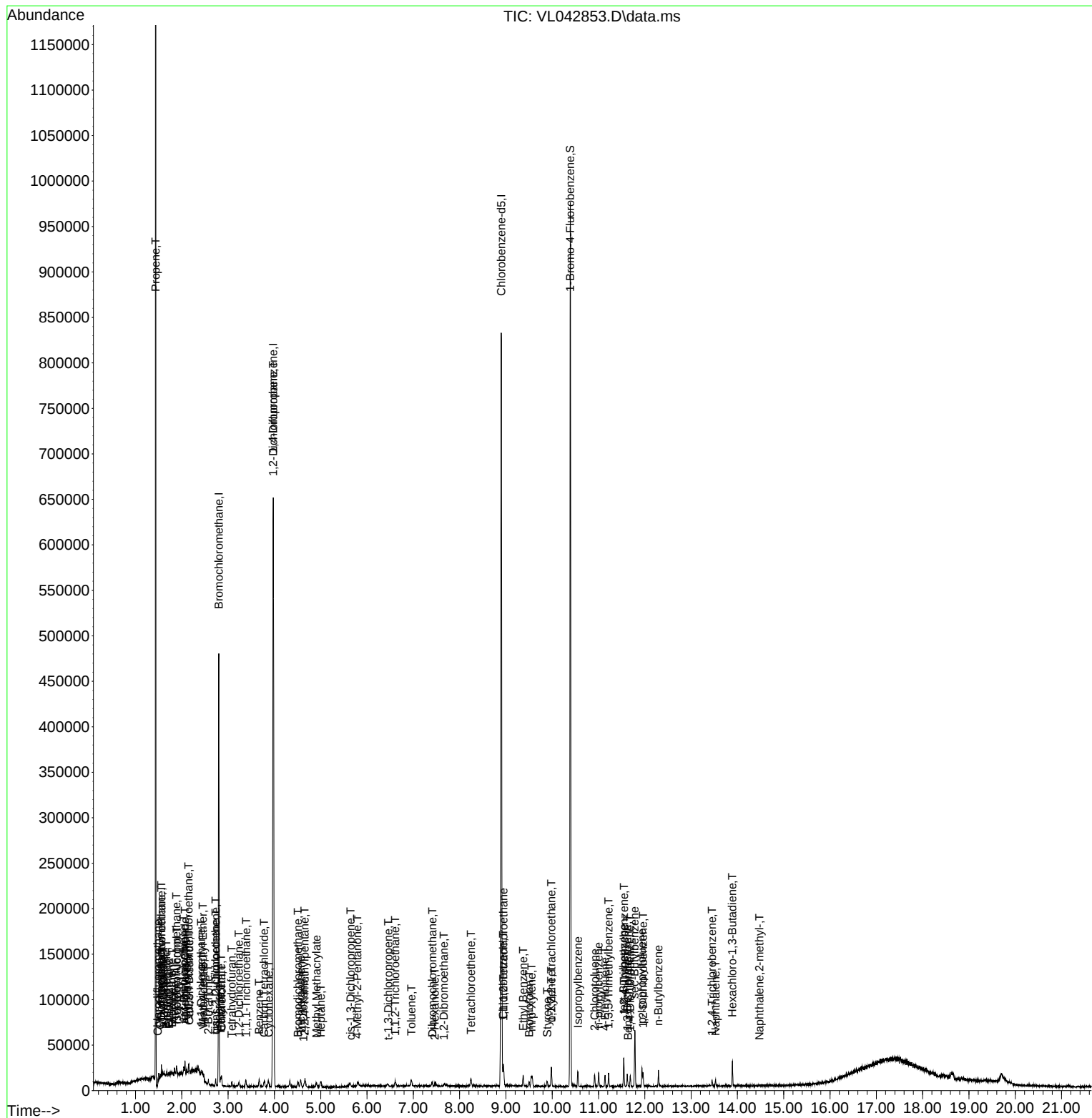
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.648	75	529	0.024	ppbv	93
47) 1,1,2-Trichloroethane	6.606	97	794	0.053	ppbv #	67
48) Dibromochloromethane	7.415	129	799	0.033	ppbv #	10
49) Bromoform	9.503	173	776	0.039	ppbv #	30
50) 4-Methyl-2-Pentanone	5.787	43	935	0.025	ppbv #	38
51) 2-Hexanone	7.464	43	824	0.028	ppbv #	27
52) Tetrachloroethene	8.247	164	1645	0.118	ppbv #	72
53) Toluene	6.959	91	4738	0.103	ppbv	95
54) 1,2-Dibromoethane	7.661	107	425	0.019	ppbv	83
56) 1,1,1,2-Tetrachloroethane	8.946	131	835	0.046	ppbv #	1
57) Chlorobenzene	8.943	112	3800	0.113	ppbv #	83
58) Ethyl Benzene	9.370	91	6650	0.107	ppbv	95
59) m/p-Xylene	9.552	91	4637	0.095	ppbv #	100
60) o-Xylene	9.982	91	4953	0.101	ppbv	97
61) Styrene	9.892	104	1422	0.062	ppbv #	60
62) Isopropylbenzene	10.555	105	7181	0.100	ppbv	90
63) 1,1,2,2-Tetrachloroethane	9.982	83	2677	0.099	ppbv #	90
64) n-propylbenzene	11.002	120	1602	0.088	ppbv	73
65) tert-Butylbenzene	11.542	119	6690	0.106	ppbv	97
66) Benzyl Chloride	11.639	91	72	0.009	ppbv #	65
67) sec-Butylbenzene	11.778	105	9243	0.104	ppbv #	90
69) p-Isopropyltoluene	11.937	119	6981	0.092	ppbv #	93
70) n-Butylbenzene	12.293	91	6077	0.080	ppbv	99
71) 2-Chlorotoluene	10.918	91	5260	0.094	ppbv	98
72) 4-Ethyltoluene	11.141	105	5425	0.091	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	4935	0.098	ppbv	97
74) 1,2,4-Trimethylbenzene	11.549	105	5343	0.096	ppbv #	83
75) 1,3-Dichlorobenzene	11.623	146	2822	0.089	ppbv	90
76) 1,4-Dichlorobenzene	11.685	146	2892	0.091	ppbv	100
77) 1,2-Dichlorobenzene	11.963	146	3373	0.109	ppbv	93
78) Hexachloro-1,3-Butadiene	13.889	225	2726	0.108	ppbv	90
79) Naphthalene	13.526	128	3382	0.067	ppbv #	94
80) Naphthalene,2-methyl-	14.478	142	652	0.035	ppbv	89
81) 1,2,4-Trichlorobenzene	13.452	180	1151	0.046	ppbv #	95

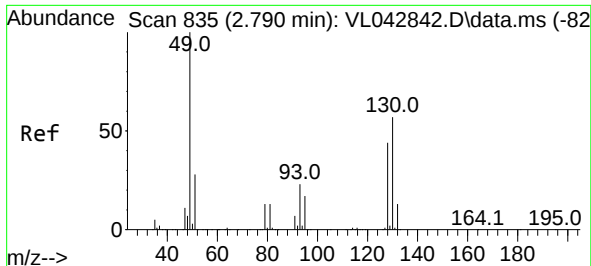
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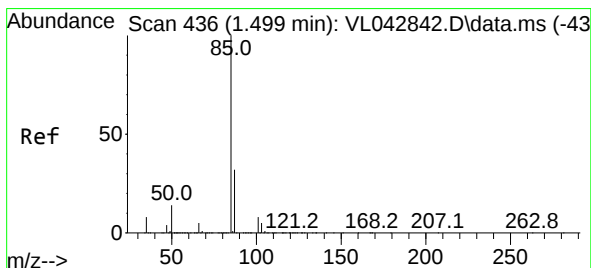
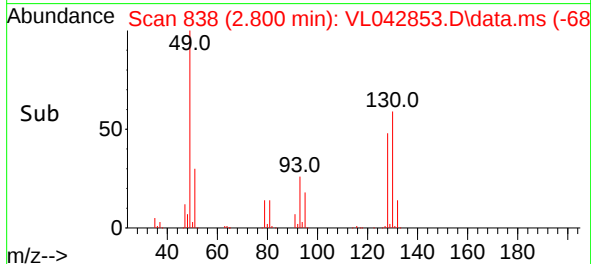
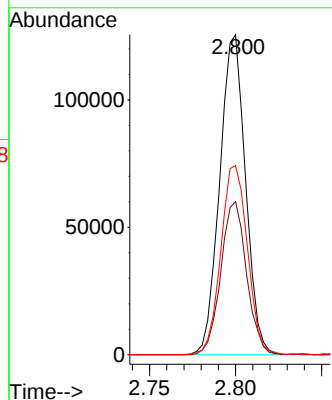
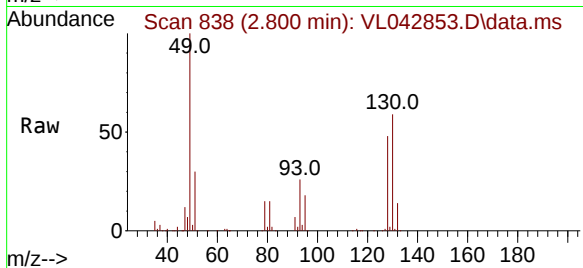




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

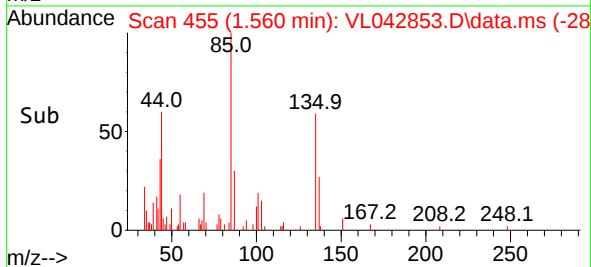
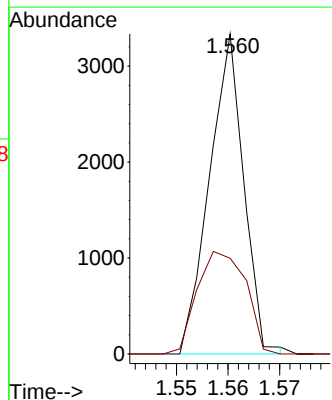
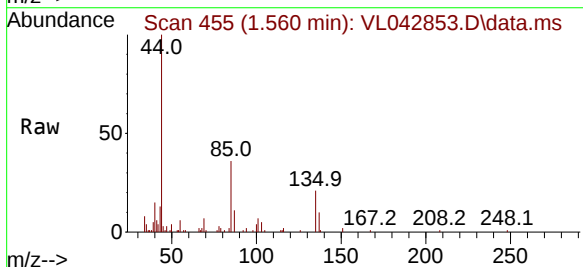
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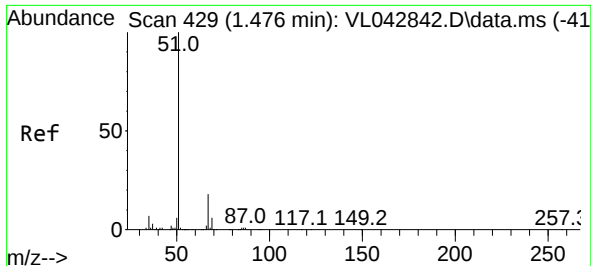
Tgt Ion: 49 Resp: 130840
Ion Ratio Lower Upper
49 100
128 47.8 23.7 71.1
130 61.1 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.080 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.062 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 85 Resp: 1540
Ion Ratio Lower Upper
85 100
87 29.9 25.3 37.9

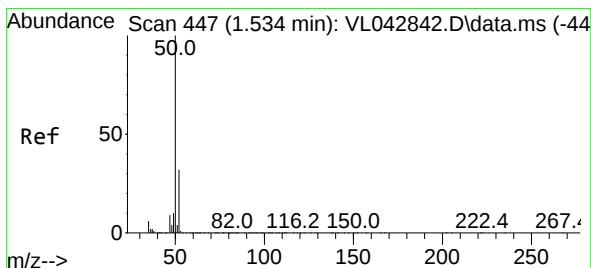
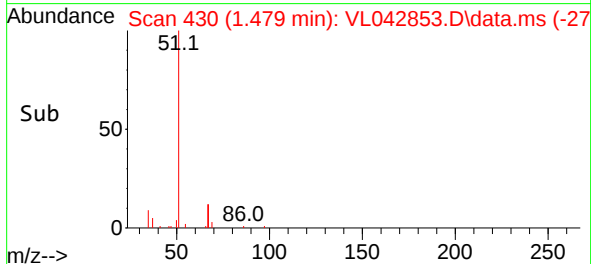
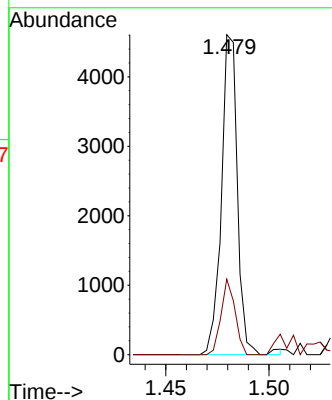
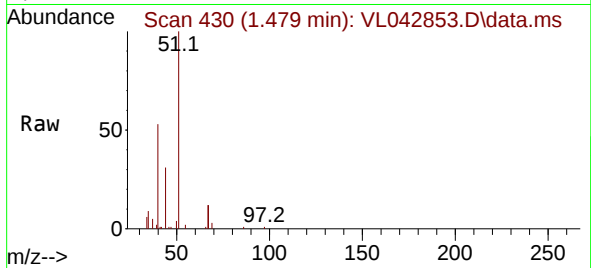




#3
Chlorodifluoromethane
Concen: 0.118 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

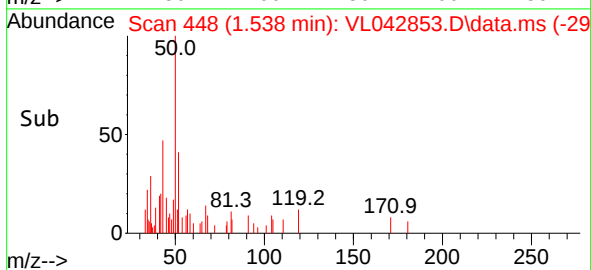
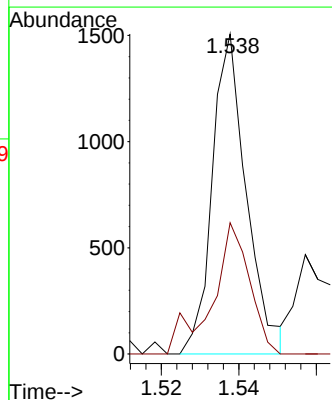
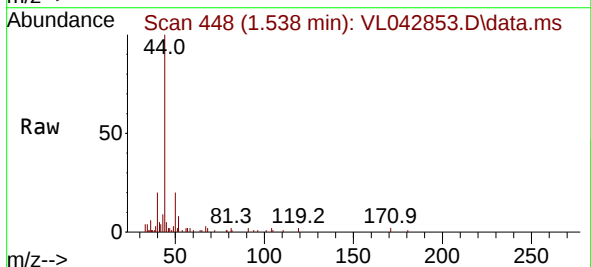
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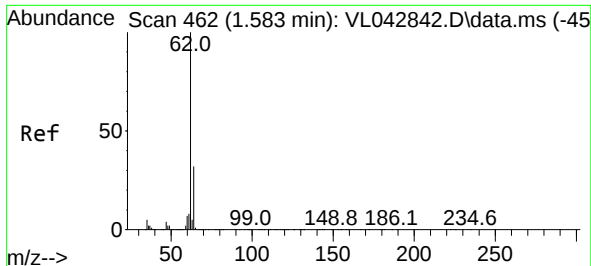
Tgt Ion: 51 Resp: 2500
Ion Ratio Lower Upper
51 100
67 20.5 14.9 22.3



#4
Chloromethane
Concen: 0.119 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 50 Resp: 922
Ion Ratio Lower Upper
50 100
52 41.0 25.9 38.9#

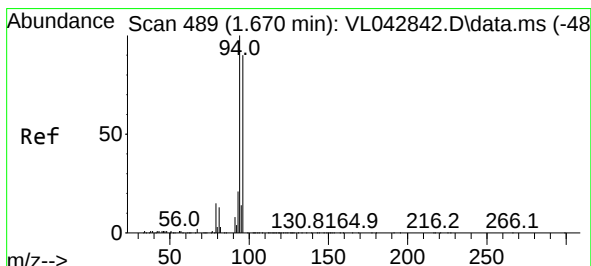
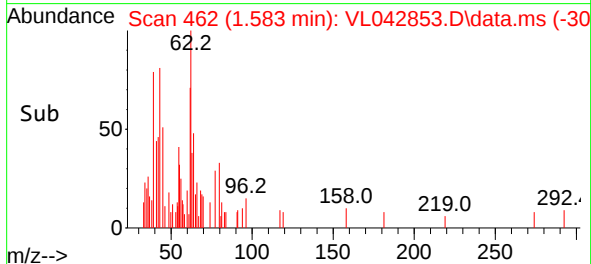
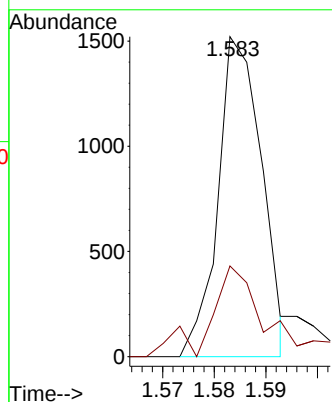
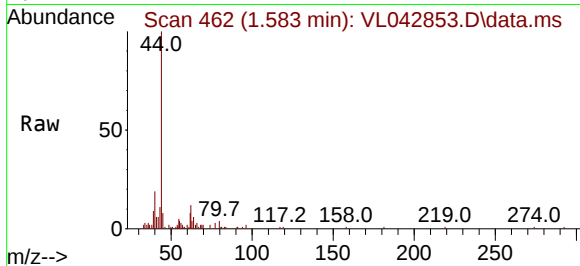




#5
 Vinyl Chloride
 Concen: 0.117 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

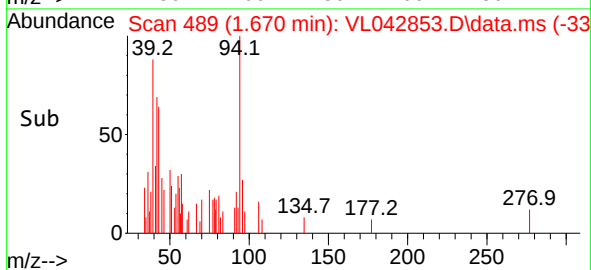
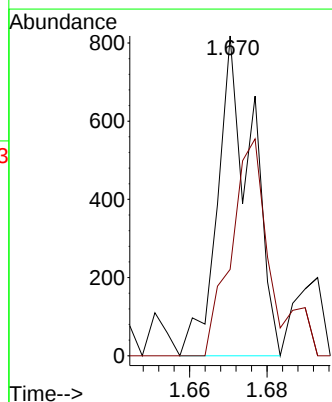
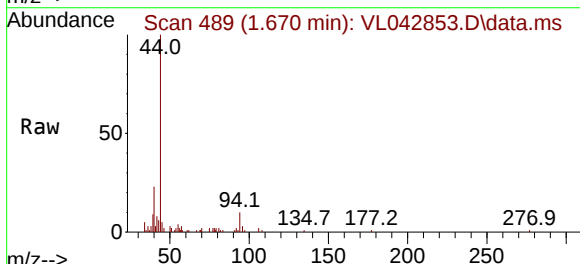
Instrument :
 MSVOA_1
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 LOQ-AIR-02-QT2-2025

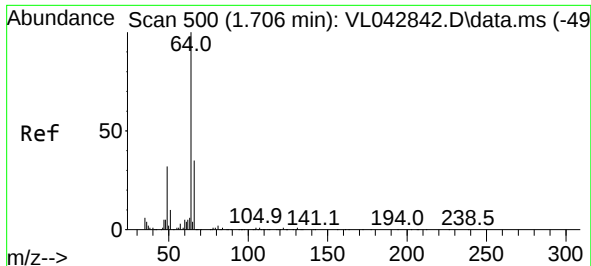
Tgt Ion: 62 Resp: 894
 Ion Ratio Lower Upper
 62 100
 64 18.8 25.4 38.2#



#6
 Bromomethane
 Concen: 0.167 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion: 94 Resp: 510
 Ion Ratio Lower Upper
 94 100
 96 27.0 72.1 108.1#

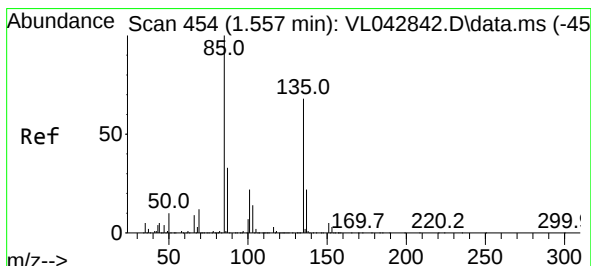
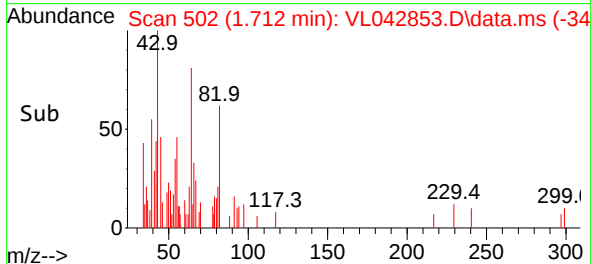
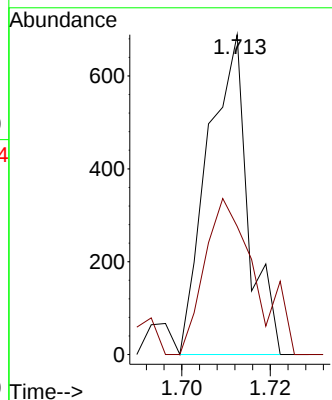
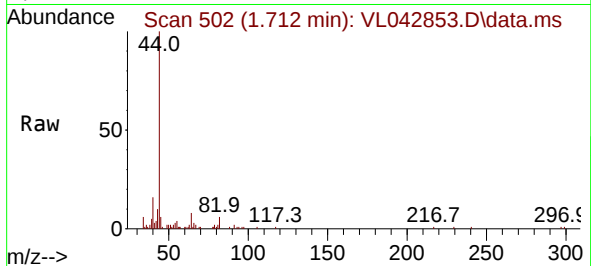




#7
Chloroethane
Concen: 0.147 ppbv
RT: 1.712 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

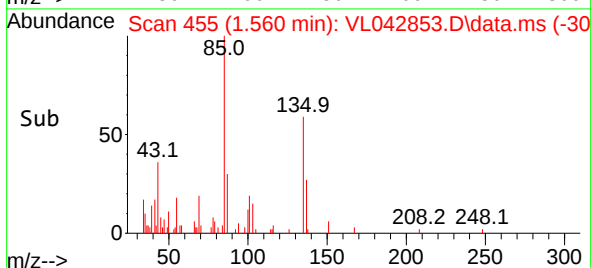
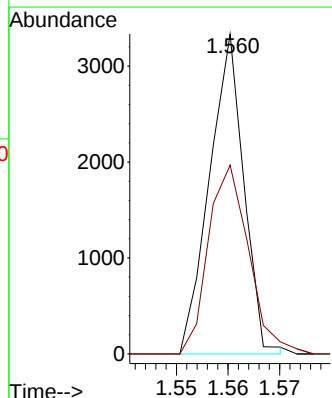
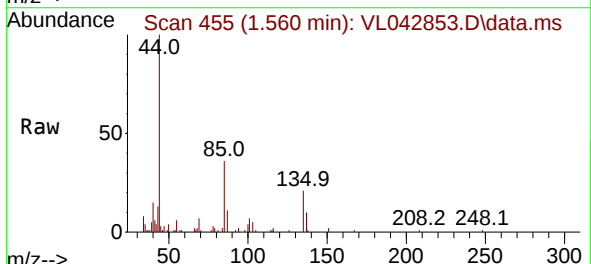
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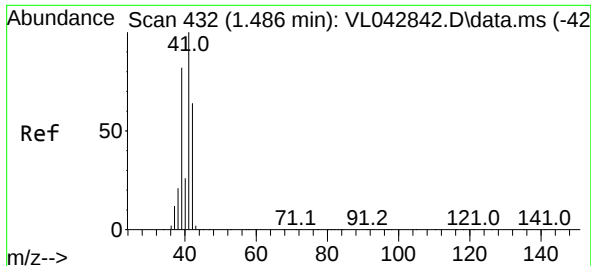
Tgt Ion: 64 Resp: 437
Ion Ratio Lower Upper
64 100
66 40.1 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 0.098 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 85 Resp: 1540
Ion Ratio Lower Upper
85 100
135 69.7 51.2 76.8

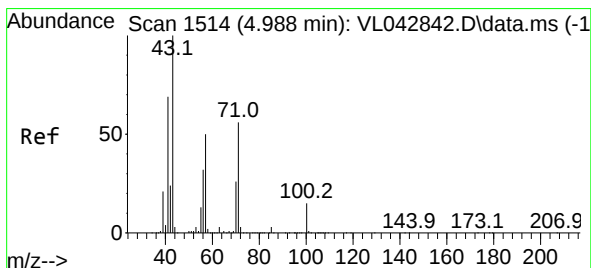
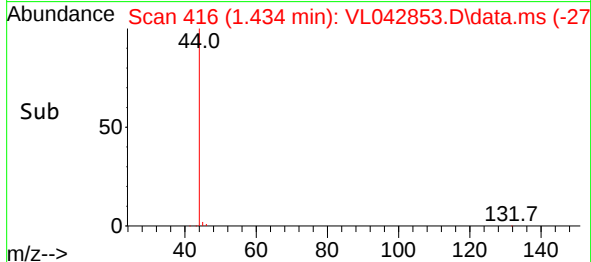
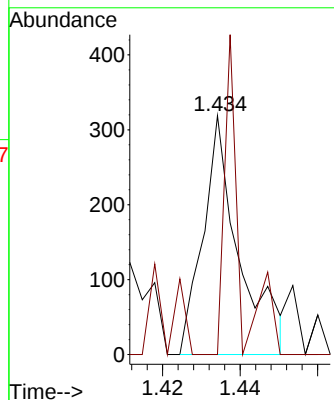
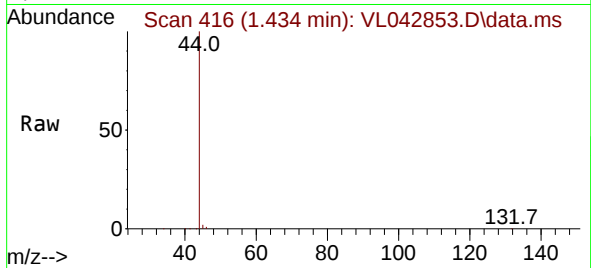




#9
 Propene
 Concen: 0.023 ppbv
 RT: 1.434 min Scan# 41
 Delta R.T. -0.052 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

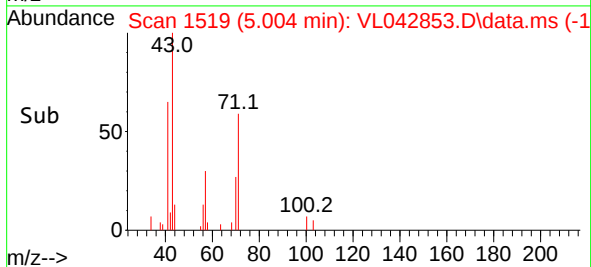
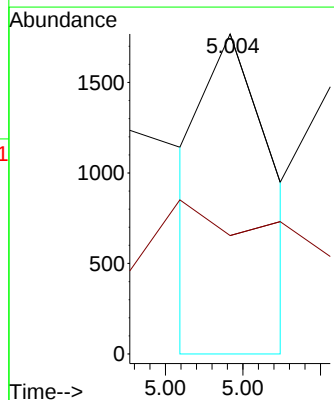
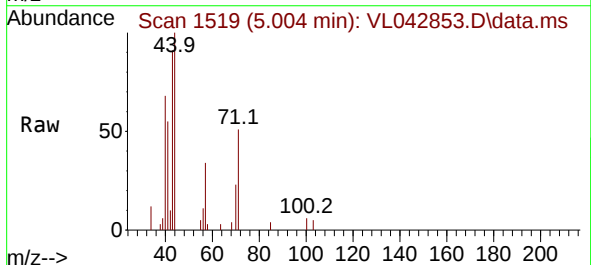
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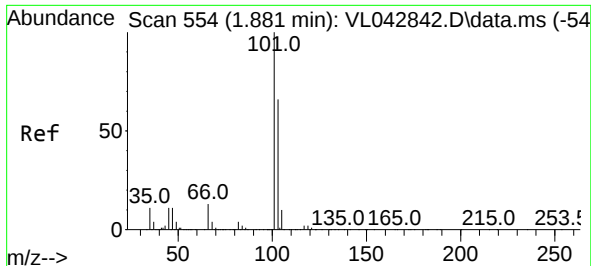
Tgt Ion: 41 Resp: 207
 Ion Ratio Lower Upper
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 42 76.3 53.0 79.4



#10
 Heptane
 Concen: 0.021 ppbv
 RT: 5.004 min Scan# 1519
 Delta R.T. 0.016 min
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 Acq: 13 Aug 2025 15:49

Tgt Ion: 43 Resp: 527
 Ion Ratio Lower Upper
 43 100
 57 316.7 41.4 62.0#

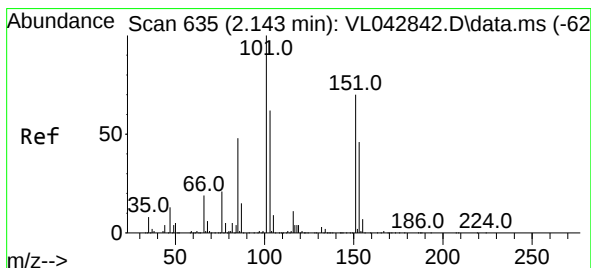
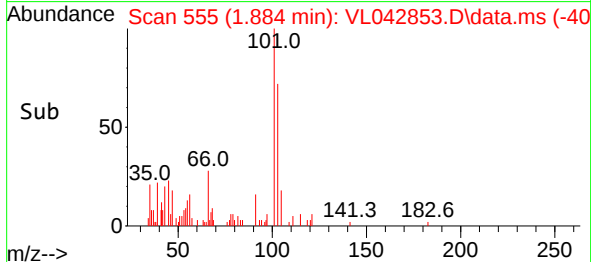
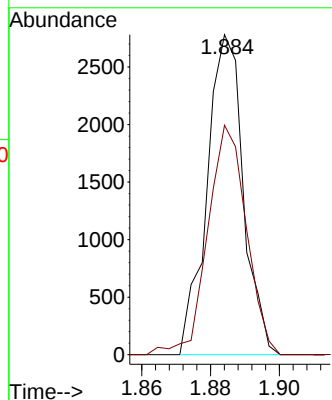
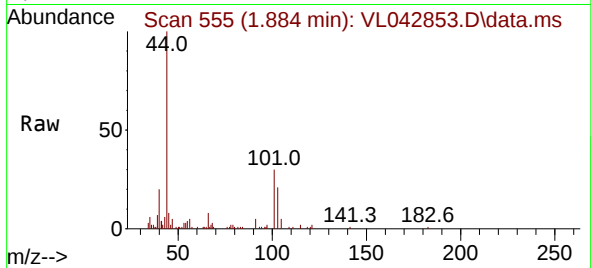




#11
Trichlorofluoromethane
Concen: 0.108 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

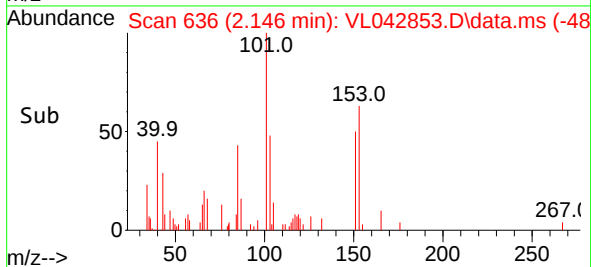
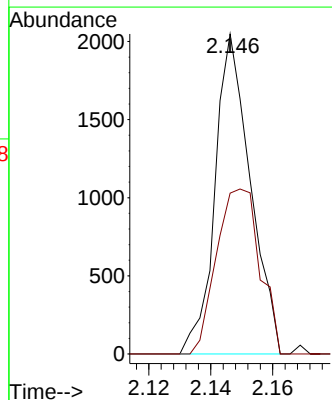
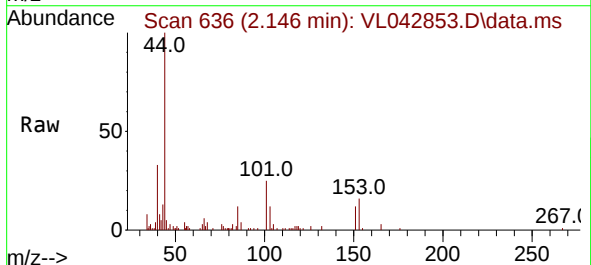
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

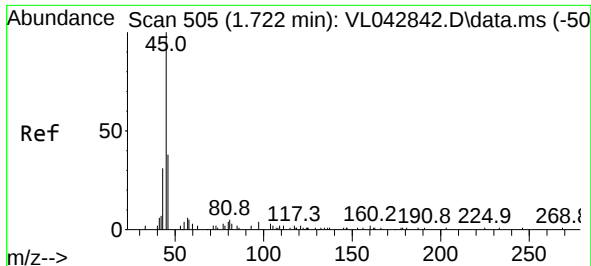
Tgt Ion:101 Resp: 2046
Ion Ratio Lower Upper
101 100
103 71.7 52.5 78.7



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.107 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:101 Resp: 1621
Ion Ratio Lower Upper
101 100
151 63.4 56.4 84.6

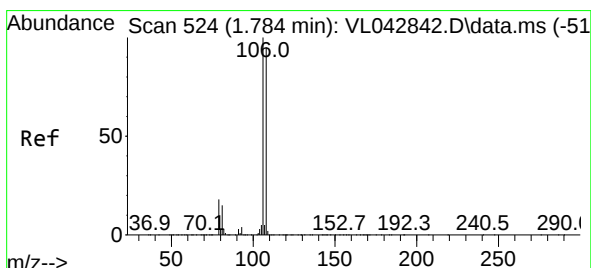
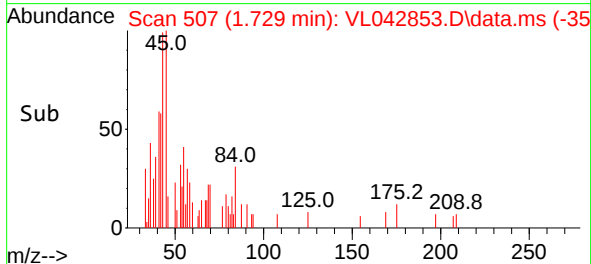
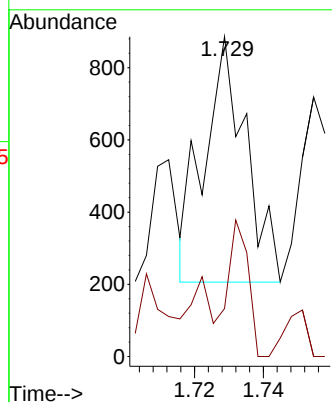
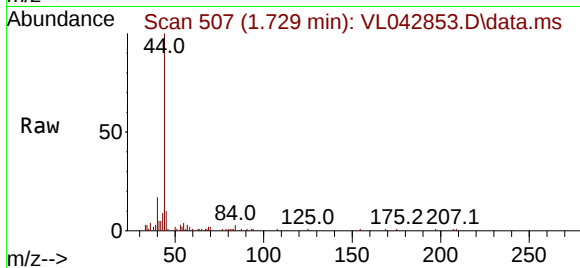




#13
 Ethanol
 Concen: 0.686 ppbv
 RT: 1.729 min Scan# 505
 Delta R.T. 0.006 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

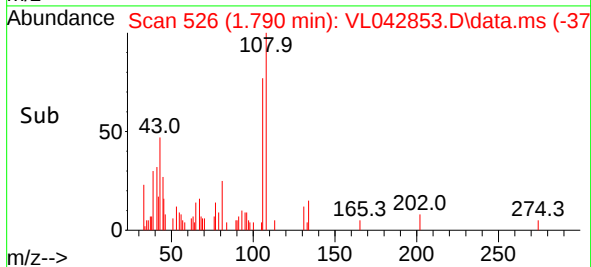
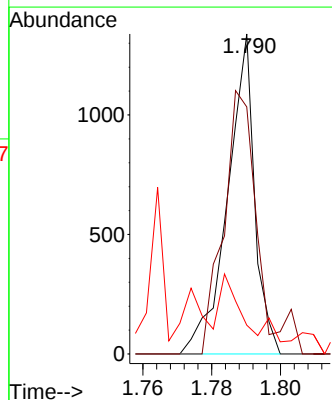
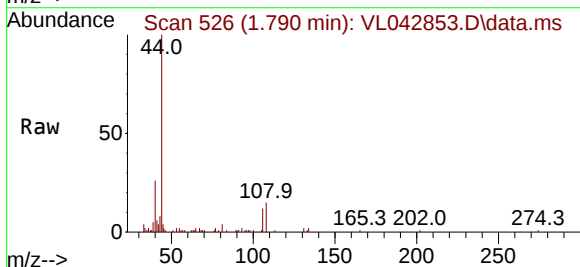
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

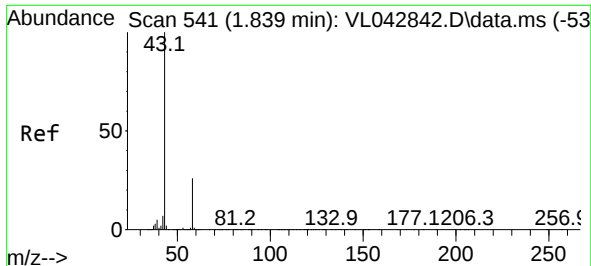
Tgt Ion: 45 Resp: 574
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.5 69.9#



#14
 Bromoethene
 Concen: 0.134 ppbv
 RT: 1.790 min Scan# 526
 Delta R.T. 0.006 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion: 108 Resp: 732
 Ion Ratio Lower Upper
 108 100
 106 104.6 85.1 127.7
 79 111.3 16.3 24.5#

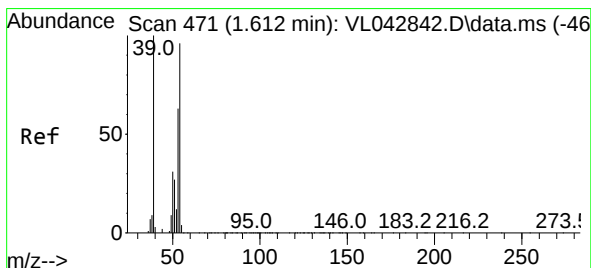
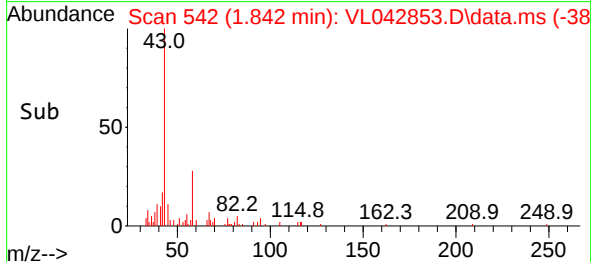
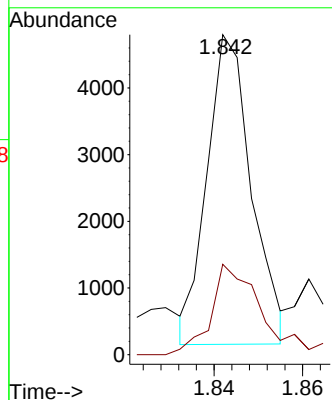
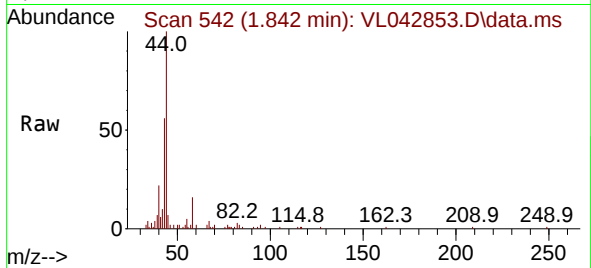




#15
Acetone
Concen: 0.187 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

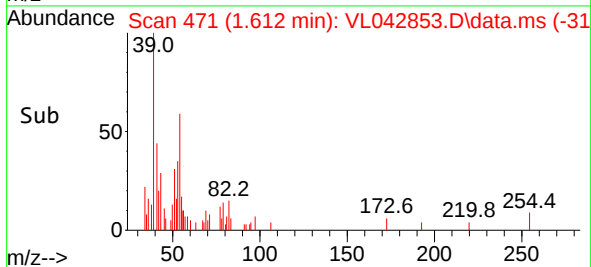
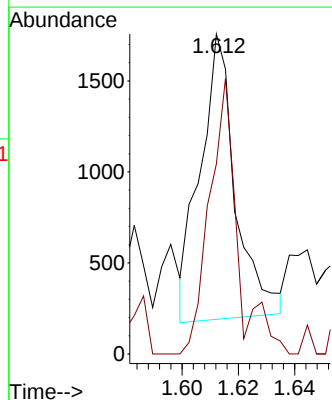
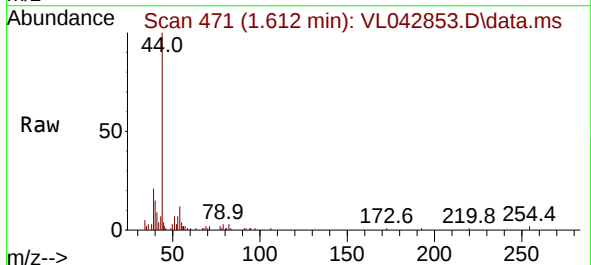
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

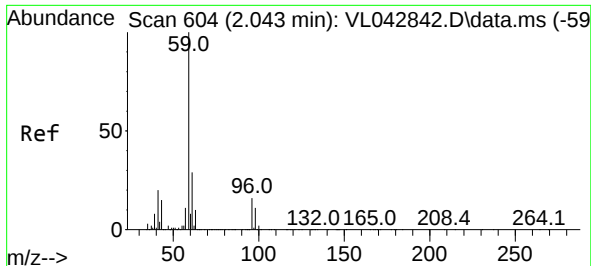
Tgt Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
58 36.6 22.4 33.6#



#16
1,3-Butadiene
Concen: 0.174 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 39 Resp: 1365
Ion Ratio Lower Upper
39 100
54 78.2 63.6 95.4





#17

tert-Butyl alcohol

Concen: 0.117 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.010 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

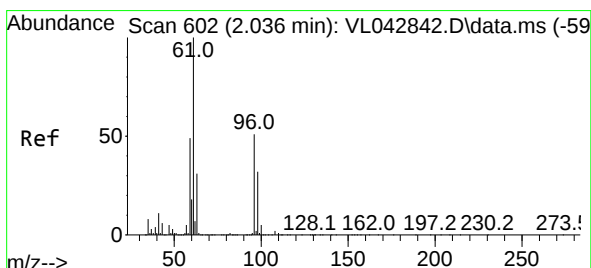
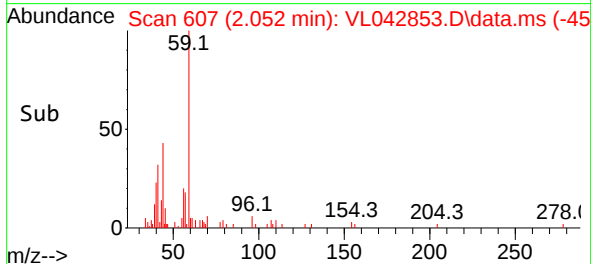
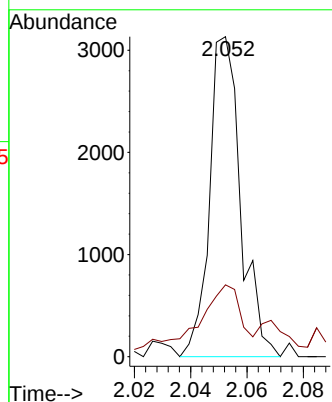
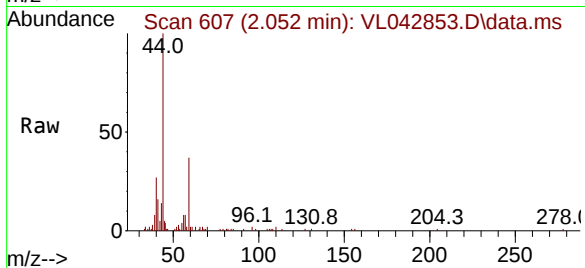
LOQ-AIR-02-QT2-2025

Tgt Ion: 59 Resp: 2403

Ion Ratio Lower Upper

59 100

57 50.6 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.092 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.007 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

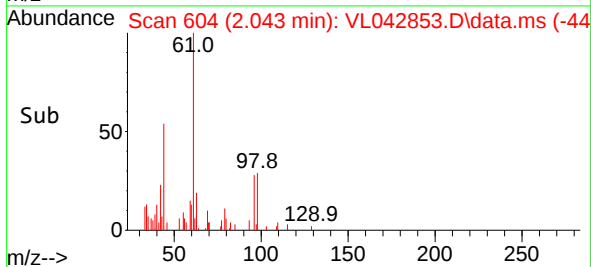
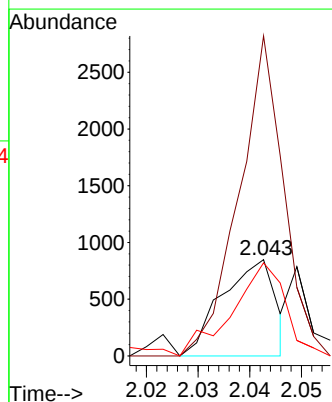
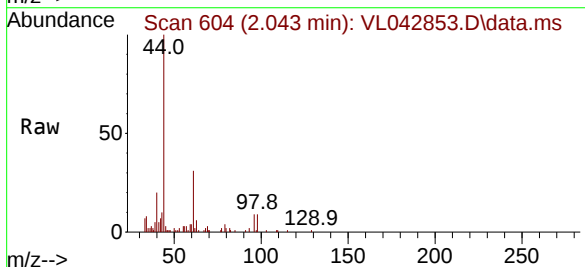
Tgt Ion: 96 Resp: 611

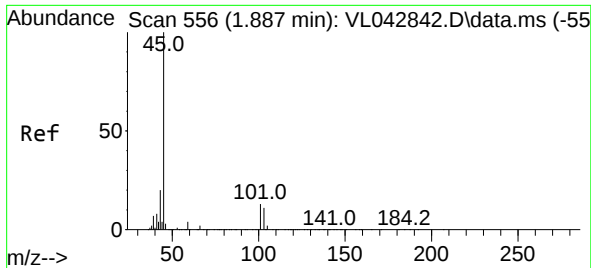
Ion Ratio Lower Upper

96 100

61 351.4 158.2 237.4#

98 96.8 50.6 76.0#





#19

Isopropyl Alcohol

Concen: 0.148 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.007 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_1

ClientSampleId :

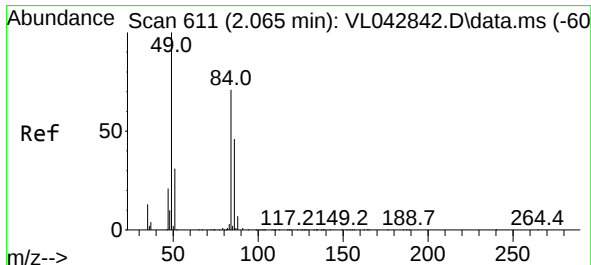
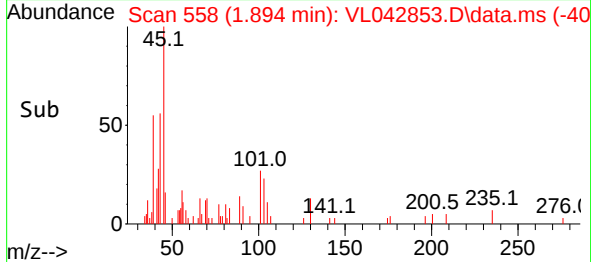
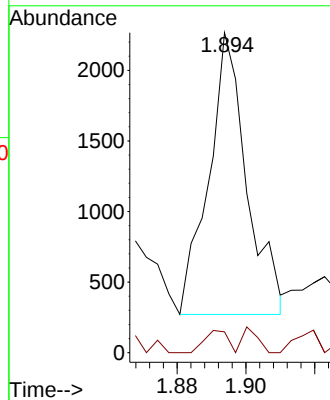
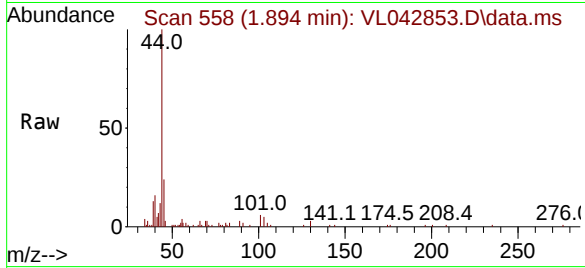
LOQ-AIR-02-QT2-2025

Tgt Ion: 45 Resp: 1534

Ion Ratio Lower Upper

45 100

58 5.4 32.7 49.1#



#20

Methylene Chloride

Concen: 0.307 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.003 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Tgt Ion: 84 Resp: 2223

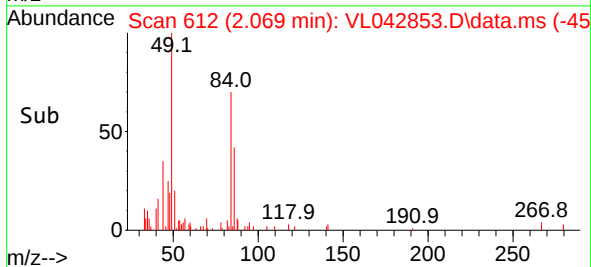
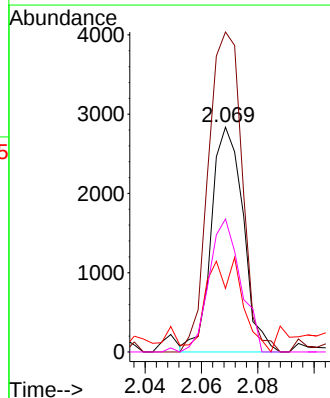
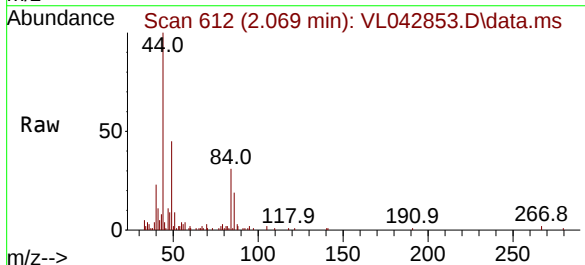
Ion Ratio Lower Upper

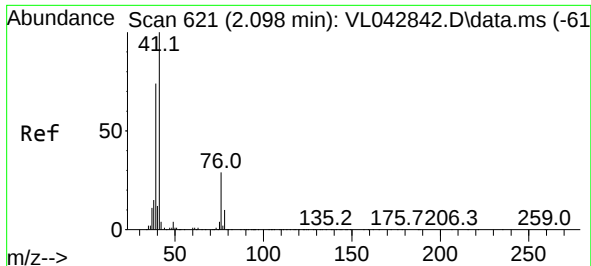
84 100

49 142.3 112.3 168.5

51 25.2 36.0 54.0#

86 59.1 52.0 78.0

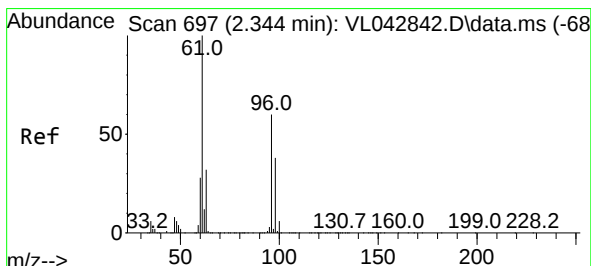
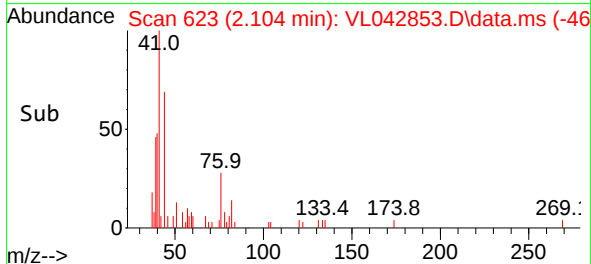
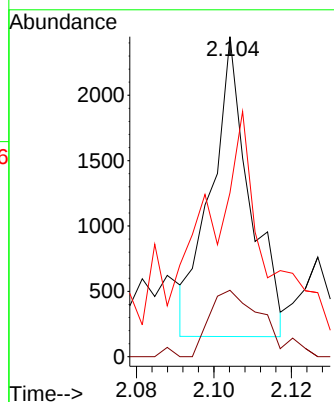
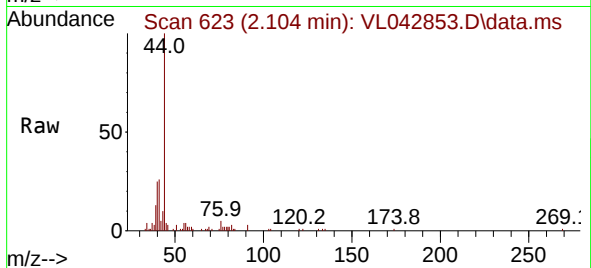




#21
 Allyl Chloride
 Concen: 0.129 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

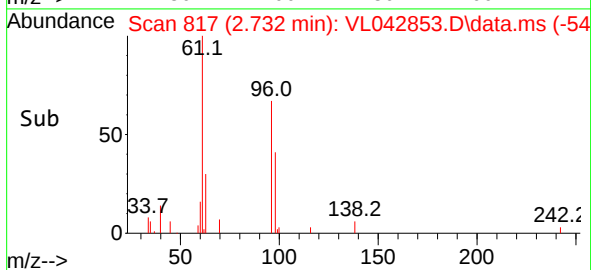
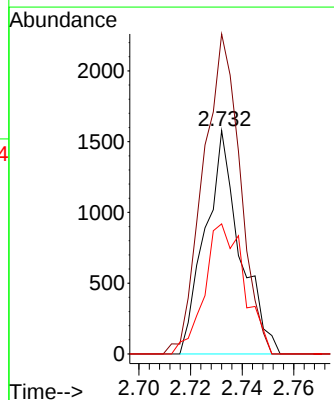
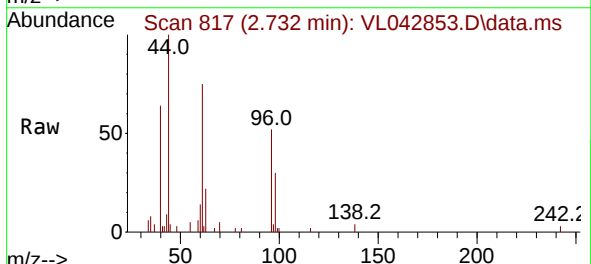
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

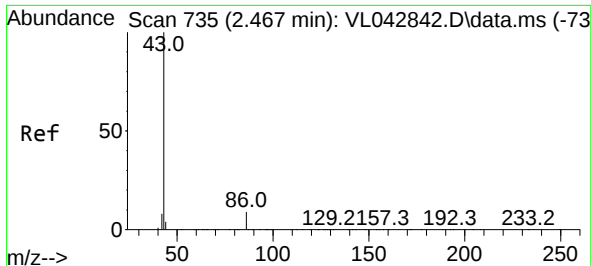
Tgt Ion: 41 Resp: 1581
 Ion Ratio Lower Upper
 41 100
 76 32.2 23.9 35.9
 39 137.1 57.8 86.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.193 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.388 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion: 96 Resp: 1477
 Ion Ratio Lower Upper
 96 100
 61 149.5 132.6 199.0
 98 58.2 50.0 75.0

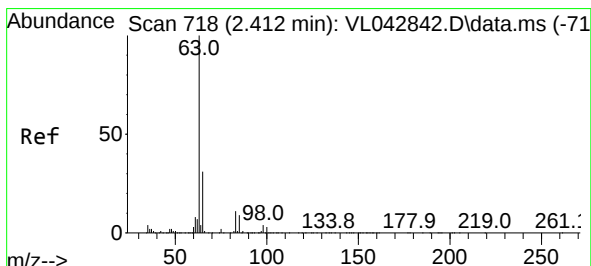
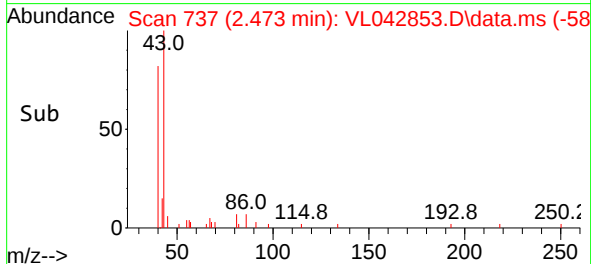
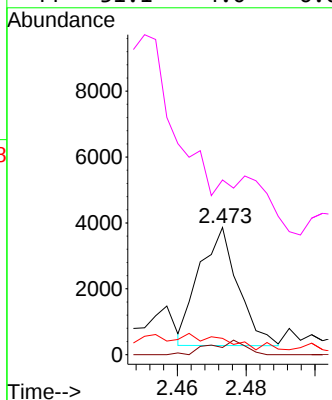
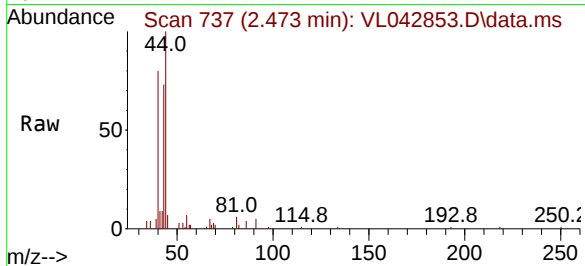




#23
 Vinyl Acetate
 Concen: 0.119 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

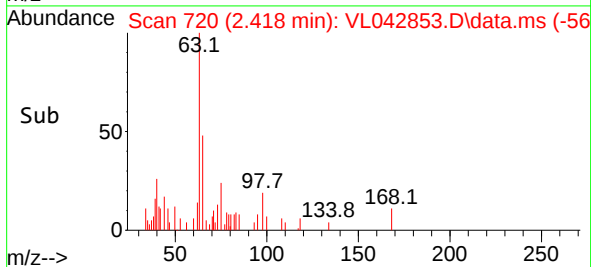
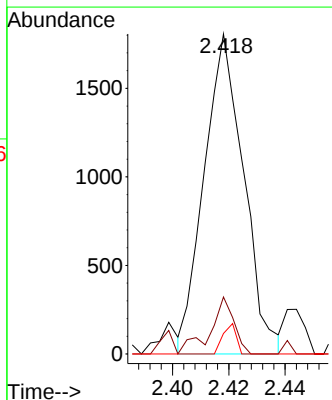
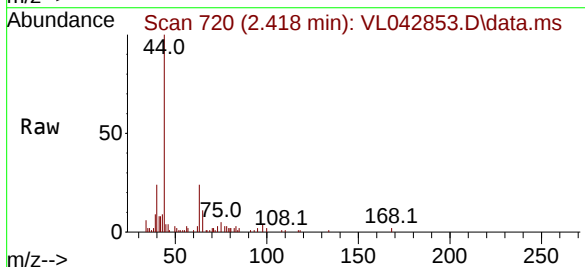
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

Tgt Ion:	43	Resp:	2823
Ion	Ratio	Lower	Upper
43	100		
86	6.1	6.6	9.8#
42	9.2	7.0	10.6
44	31.1	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 0.115 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion:	63	Resp:	1760
Ion	Ratio	Lower	Upper
63	100		
98	18.8	2.1	6.5#
100	6.8	1.7	5.1#

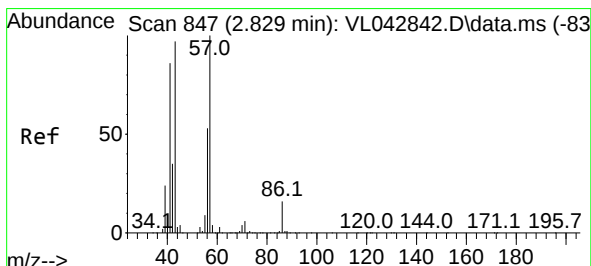
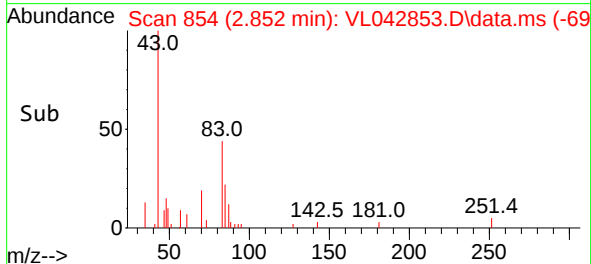
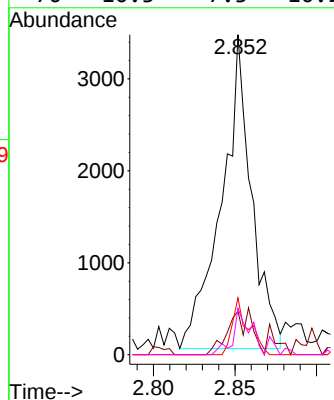
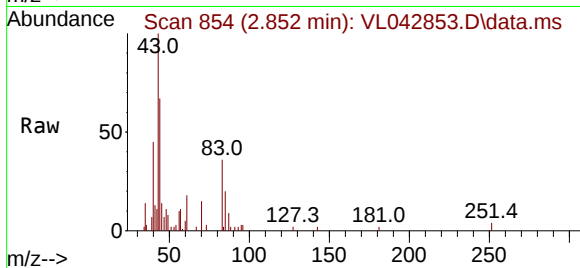




#25
Ethyl Acetate
Concen: 0.104 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

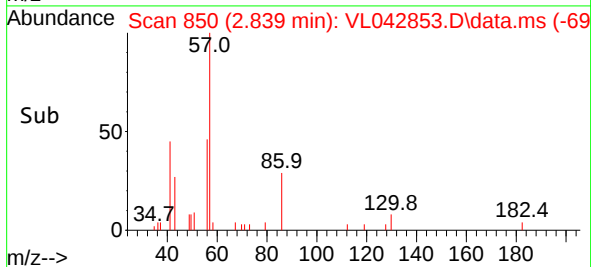
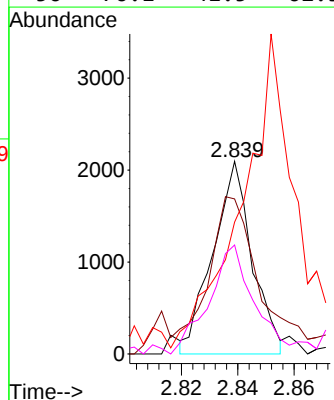
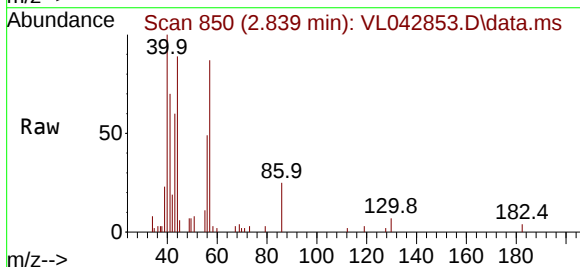
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

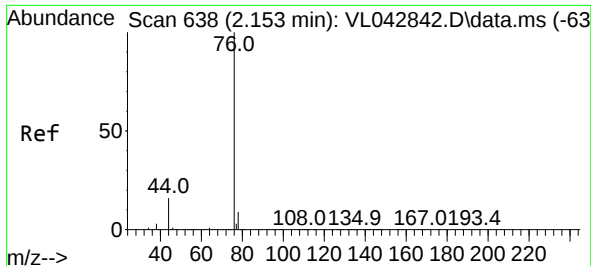
Tgt Ion: 43	Resp: 4371
Ion Ratio	Lower Upper
43 100	
45 20.6	8.1 12.1#
61 9.8	7.4 11.2
70 10.3	7.3 10.9



#26
Hexane
Concen: 0.105 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 57	Resp: 2025
Ion Ratio	Lower Upper
57 100	
41 125.4	68.6 103.0#
43 0.0	168.5 252.7#
56 76.1	41.5 62.3#





#27

Carbon Disulfide

Concen: 0.103 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.007 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

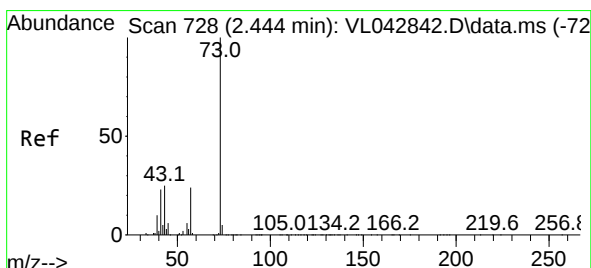
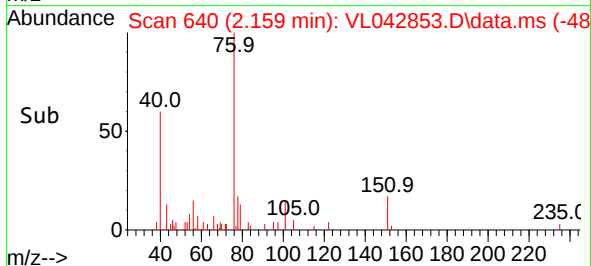
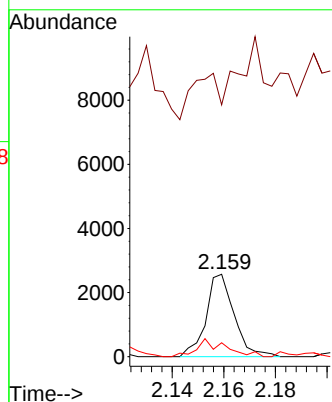
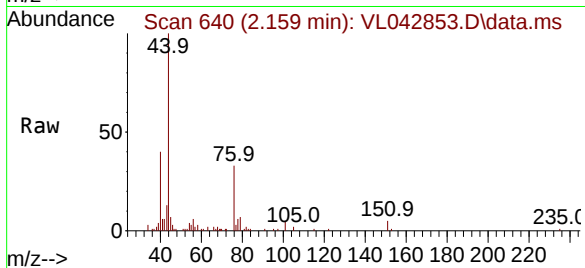
Tgt Ion: 76 Resp: 1947

Ion Ratio Lower Upper

76 100

44 567.7 15.9 23.9#

78 27.8 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.097 ppbv

RT: 2.454 min Scan# 731

Delta R.T. 0.010 min

Lab File: VL042853.D

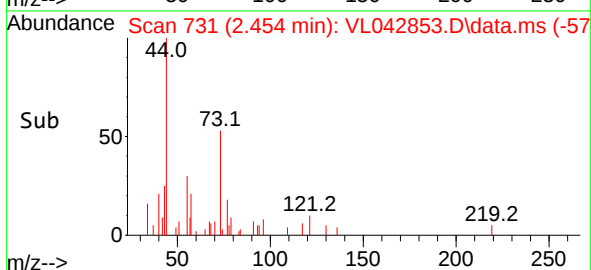
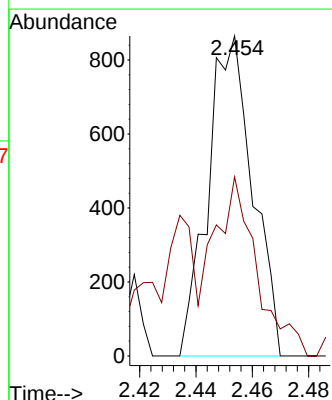
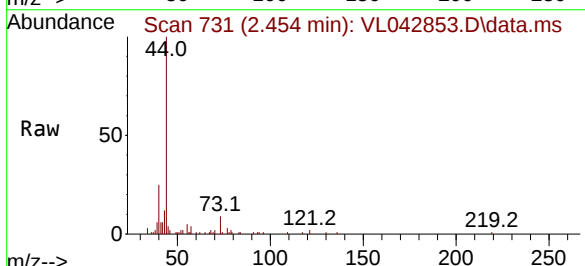
Acq: 13 Aug 2025 15:49

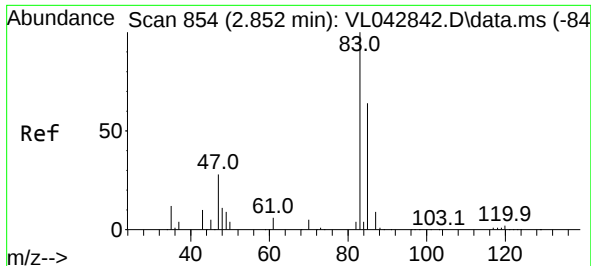
Tgt Ion: 73 Resp: 953

Ion Ratio Lower Upper

73 100

57 104.8 21.6 32.4#





#29

Chloroform

Concen: 0.055 ppbv

RT: 2.862 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

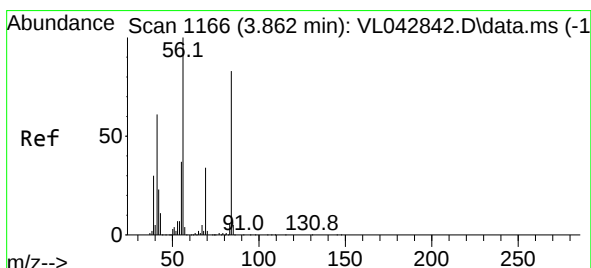
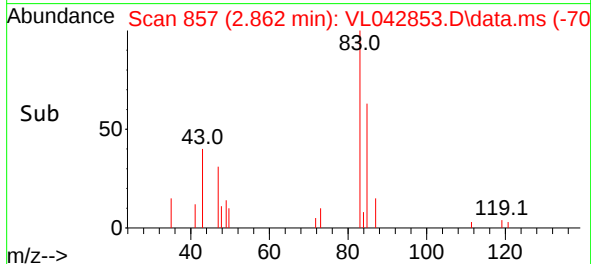
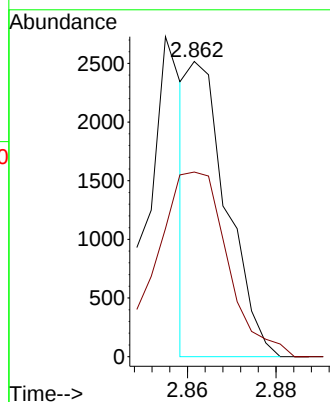
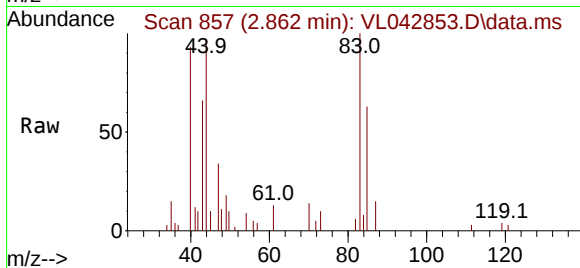
LOQ-AIR-02-QT2-2025

Tgt Ion: 83 Resp: 1515

Ion Ratio Lower Upper

83 100

85 58.3 51.1 76.7



#30

Cyclohexane

Concen: 0.025 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.016 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

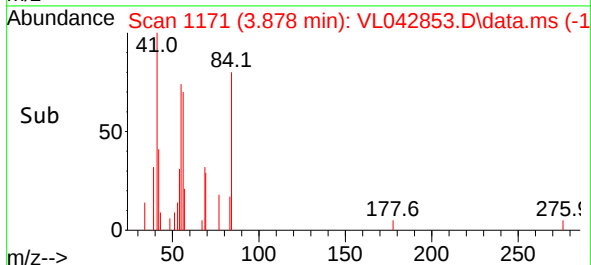
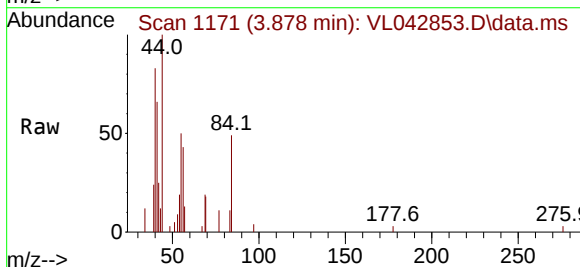
Tgt Ion: 84 Resp: 419

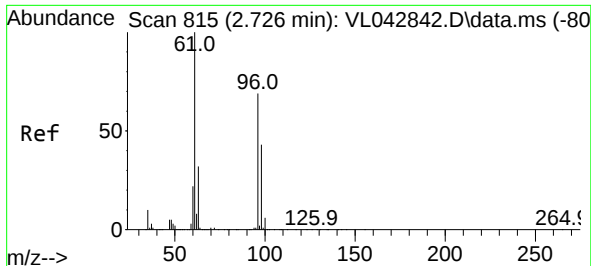
Ion Ratio Lower Upper

84 100

56 544.2 98.8 148.2#

41 410.7 61.3 91.9#

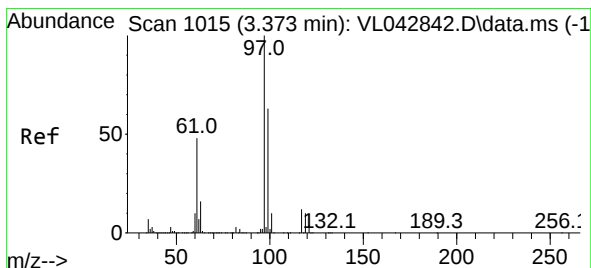
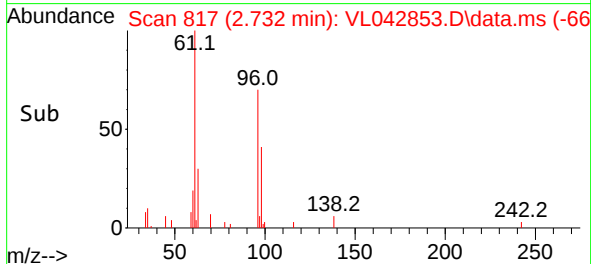
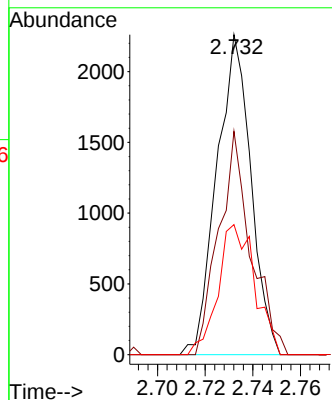
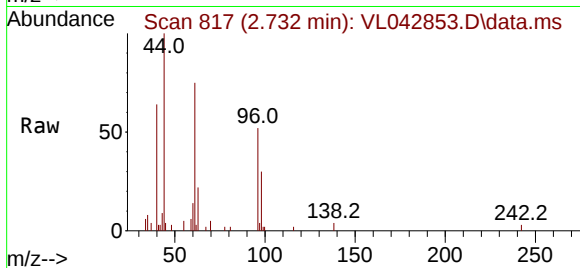




#31
 cis-1,2-Dichloroethene
 Concen: 0.116 ppbv
 RT: 2.732 min Scan# 815
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

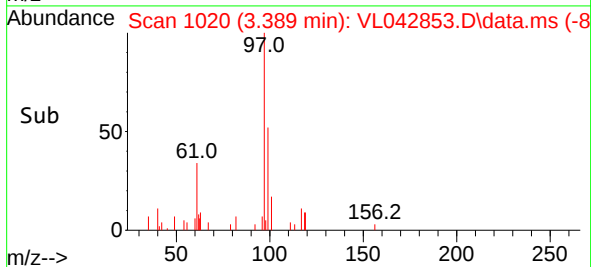
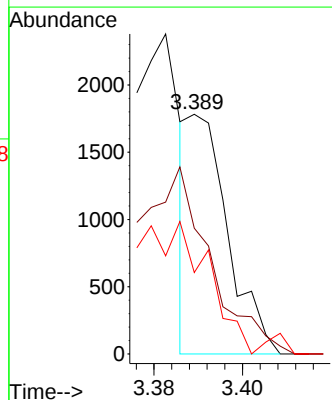
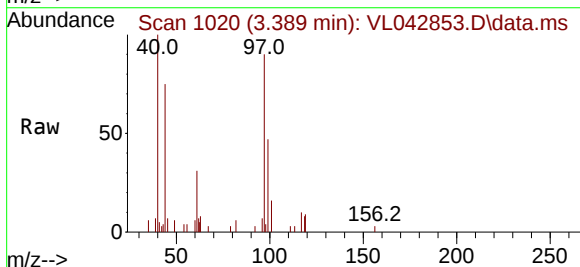
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

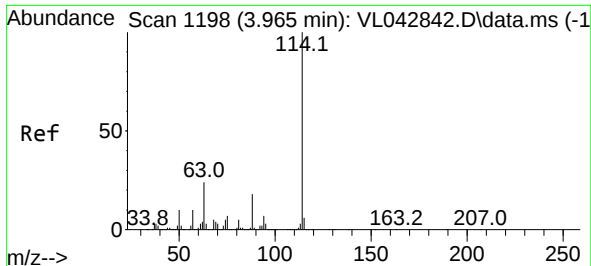
Tgt Ion:	61	Resp:	2248
Ion	Ratio	Lower	Upper
61	100		
96	66.9	55.0	82.6
98	39.0	34.3	51.5



#32
 1,1,1-Trichloroethane
 Concen: 0.038 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.016 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion:	97	Resp:	1104
Ion	Ratio	Lower	Upper
97	100		
99	153.4	51.0	76.6#
61	131.9	38.0	57.0#

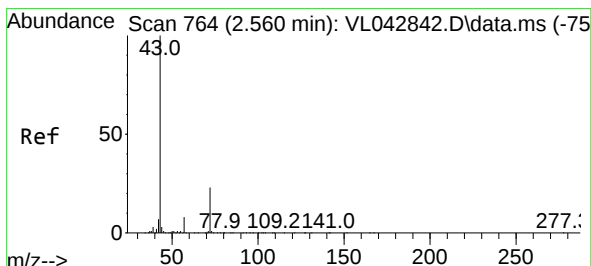
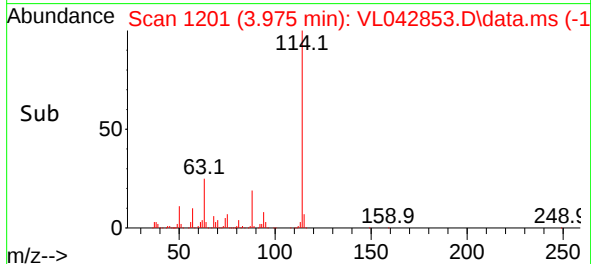
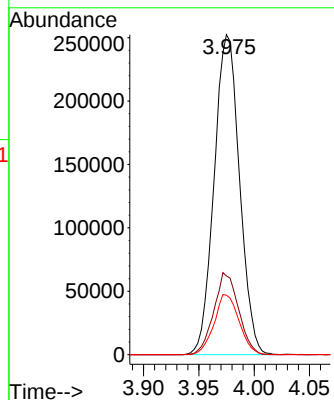
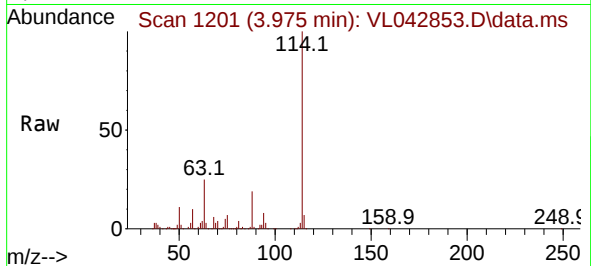




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

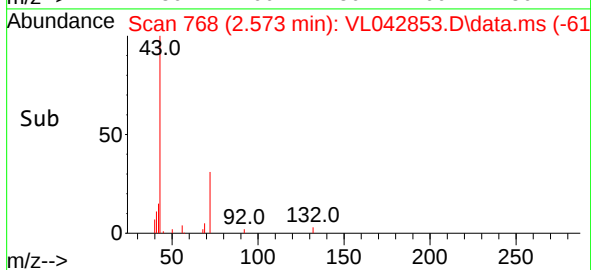
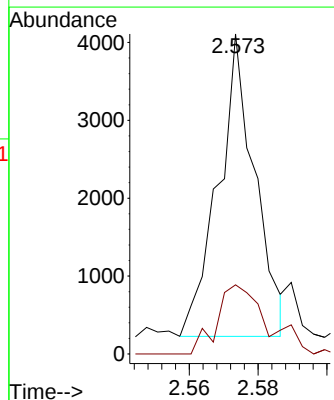
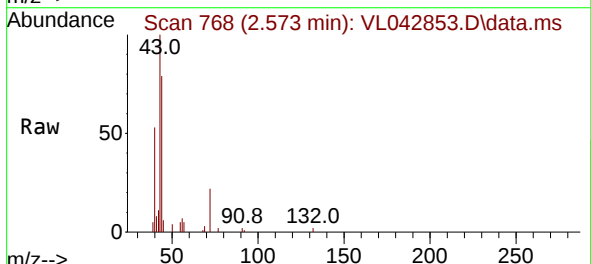
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

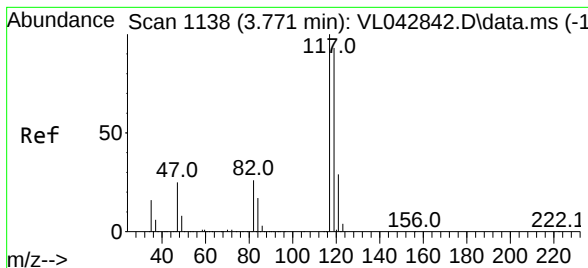
Tgt Ion:114 Resp: 403155
Ion Ratio Lower Upper
114 100
63 25.0 19.7 29.5
88 18.5 14.4 21.6



#34
2-Butanone
Concen: 0.106 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
72 32.4 18.6 28.0#





#35

Carbon Tetrachloride

Concen: 0.049 ppbv

RT: 3.777 min Scan# 1138

Delta R.T. 0.007 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

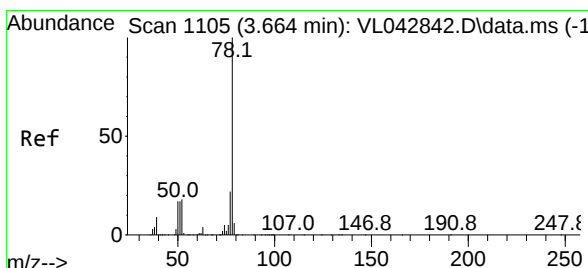
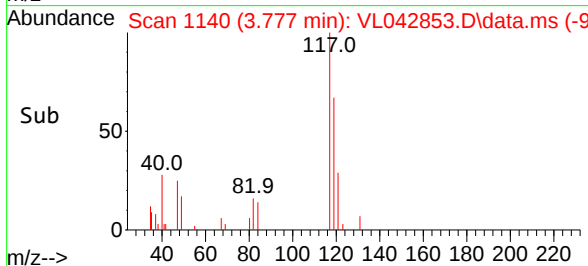
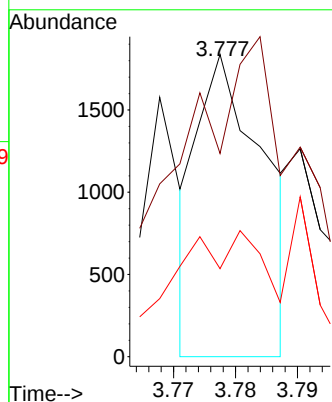
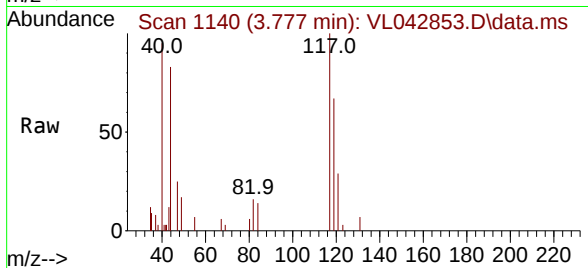
Tgt Ion:117 Resp: 1367

Ion Ratio Lower Upper

117 100

119 16.3 74.7 112.1#

121 25.0 23.2 34.8



#36

Benzene

Concen: 0.085 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

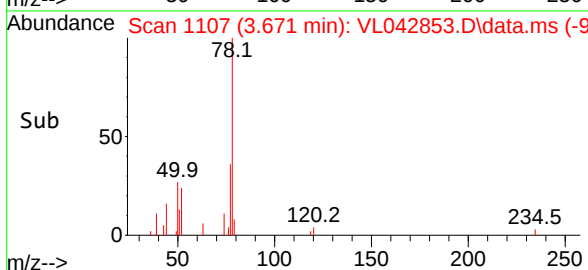
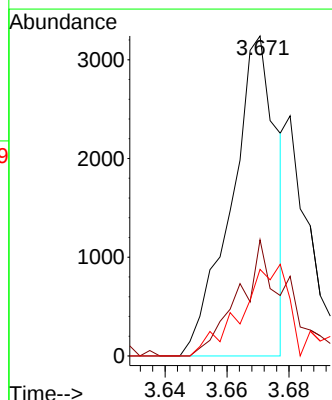
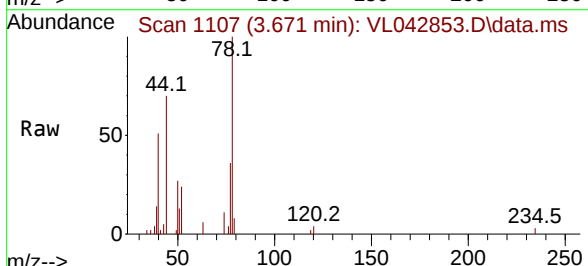
Tgt Ion: 78 Resp: 3274

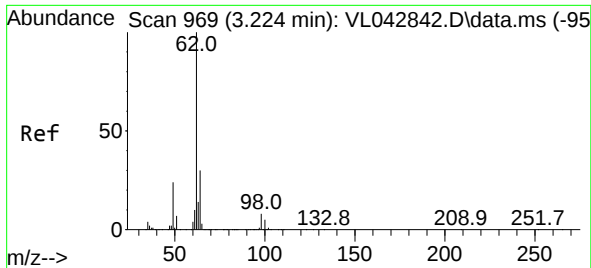
Ion Ratio Lower Upper

78 100

77 36.3 17.7 26.5#

50 40.5 13.9 20.9#

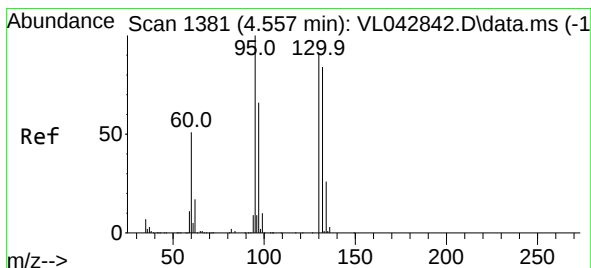
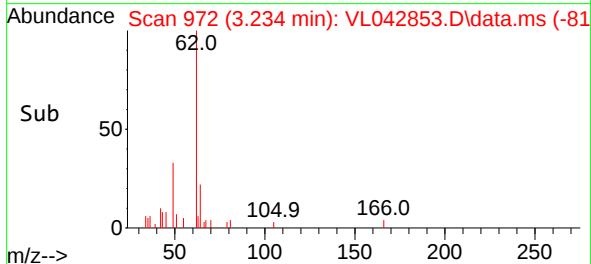
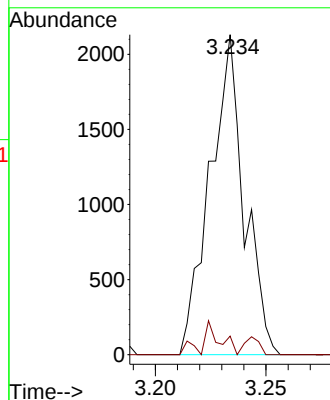
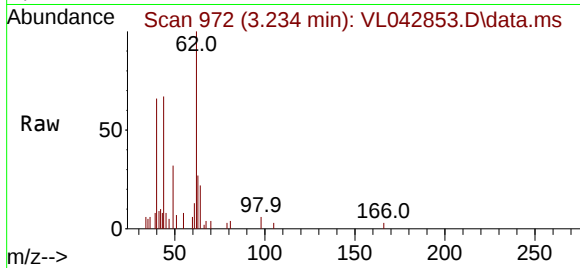




#37
1,2-Dichloroethane
Concen: 0.114 ppbv
RT: 3.234 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

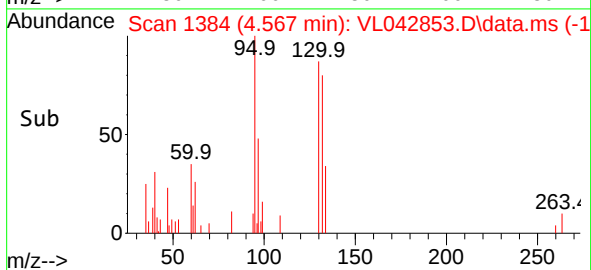
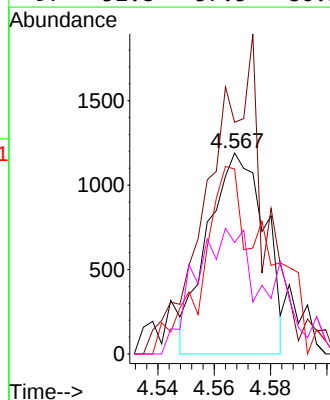
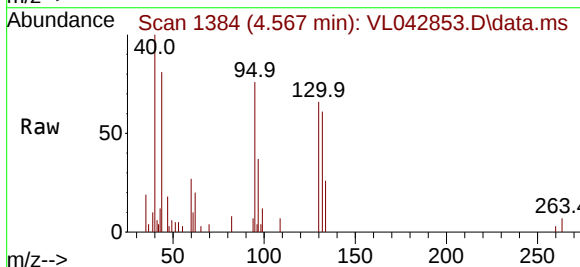
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

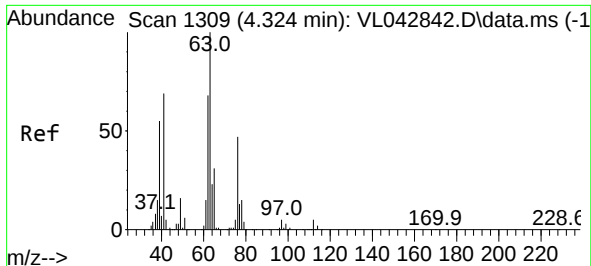
Tgt Ion: 62 Resp: 2291
Ion Ratio Lower Upper
62 100
98 7.9 5.9 8.9



#38
Trichloroethene
Concen: 0.094 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:130 Resp: 1666
Ion Ratio Lower Upper
130 100
95 111.0 87.6 131.4
132 84.8 73.8 110.8
97 52.8 57.5 86.3#





#39

1,2-Dichloropropane

Concen: 7.128 ppbv

RT: 3.972 min Scan# 11

Delta R.T. -0.353 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

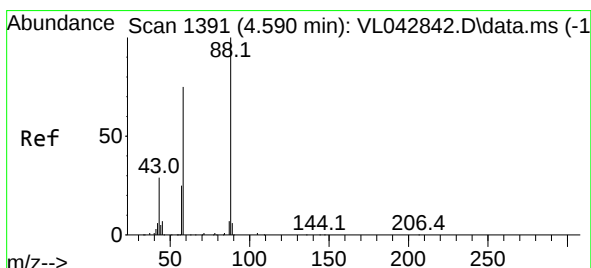
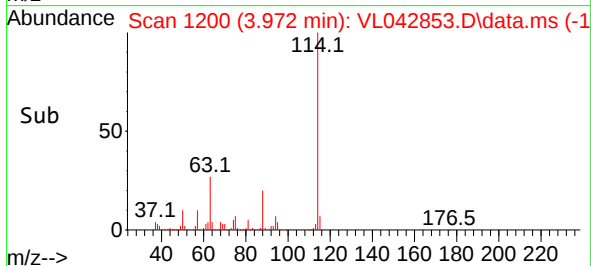
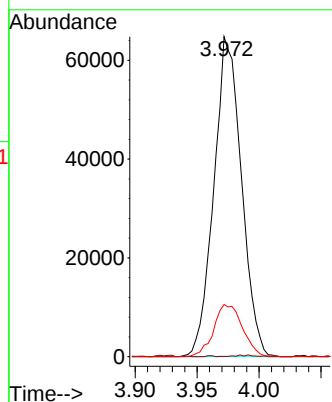
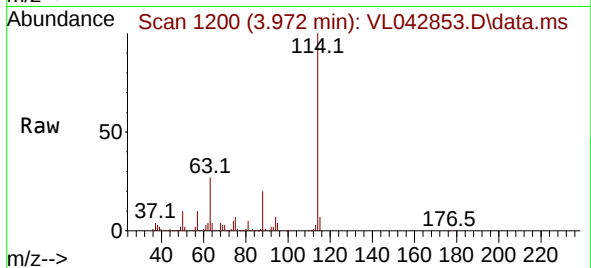
Tgt Ion: 63 Resp: 100506

Ion Ratio Lower Upper

63 100

41 0.1 55.0 82.4#

62 16.3 54.4 81.6#



#40

1,4-Dioxane

Concen: 0.021 ppbv

RT: 4.625 min Scan# 1402

Delta R.T. 0.036 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Tgt Ion: 88 Resp: 142

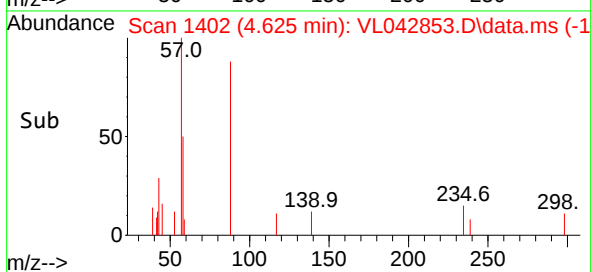
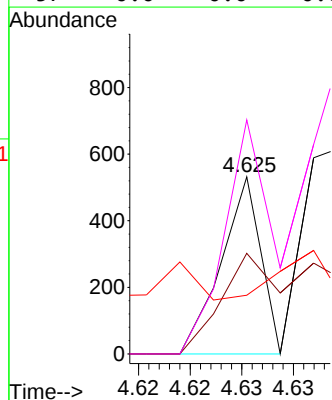
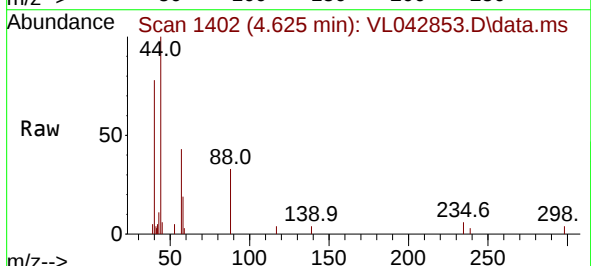
Ion Ratio Lower Upper

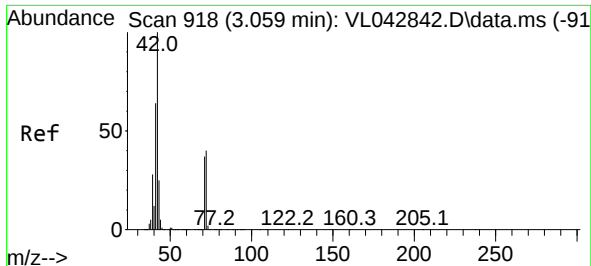
88 100

58 0.0 53.8 80.6#

43 429.6 22.8 34.2#

57 0.0 0.0 0.0

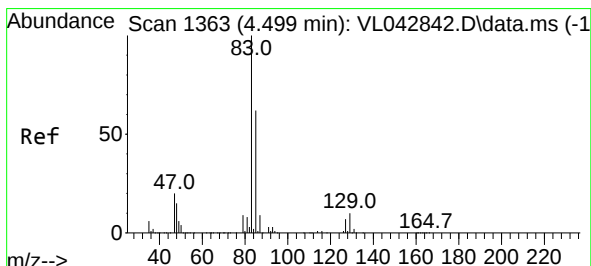
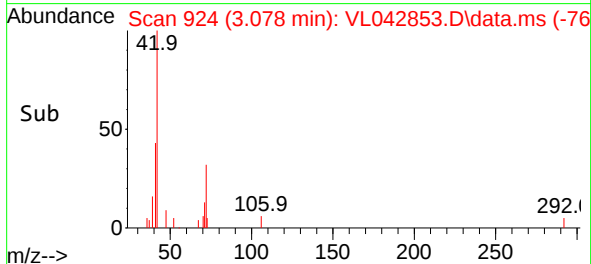
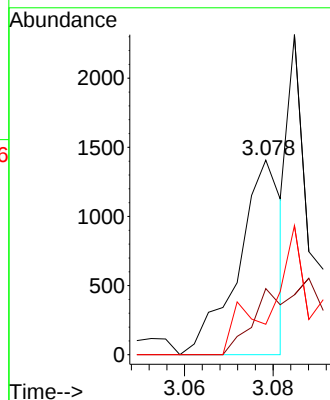
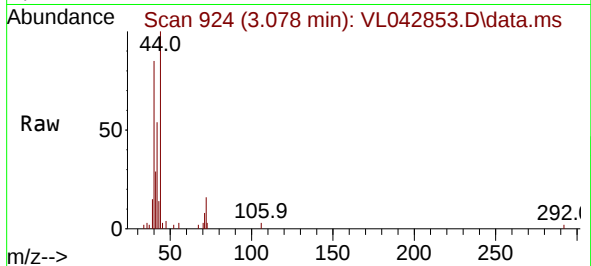




#41
Tetrahydrofuran
Concen: 0.063 ppbv
RT: 3.078 min Scan# 918
Delta R.T. 0.019 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

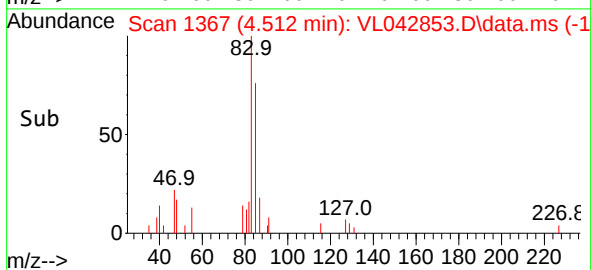
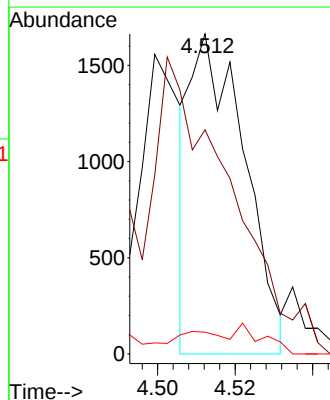
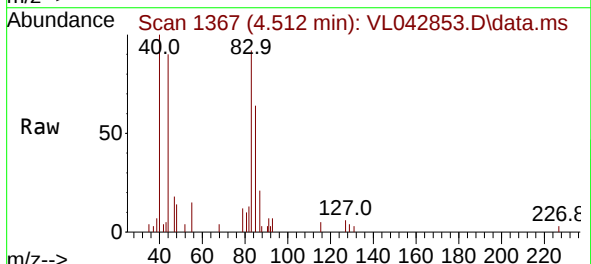
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

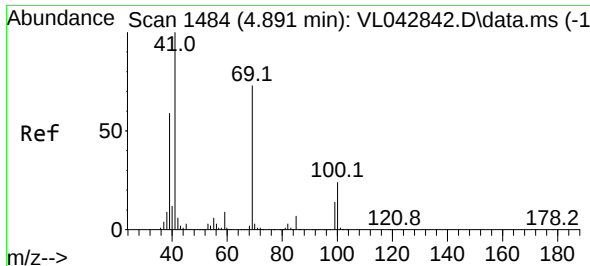
Tgt Ion: 42 Resp: 958
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 0.0 30.0 45.0#



#42
Bromodichloromethane
Concen: 0.054 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 83 Resp: 1620
Ion Ratio Lower Upper
83 100
85 65.3 49.8 74.8
127 3.4 5.8 8.6#

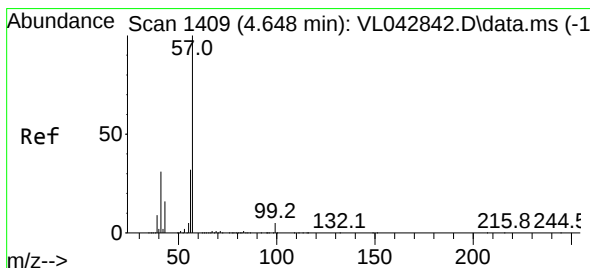
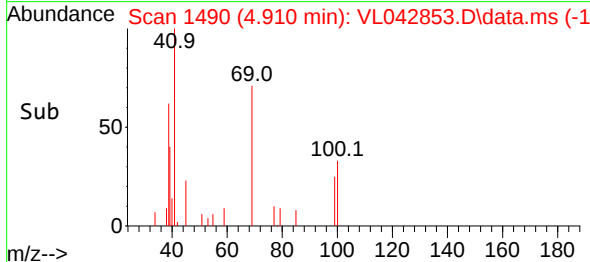
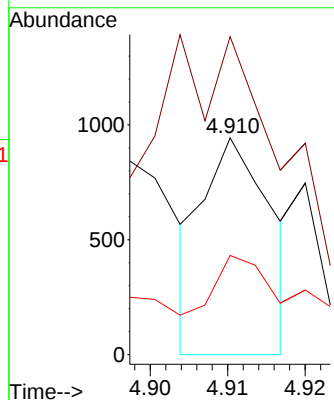
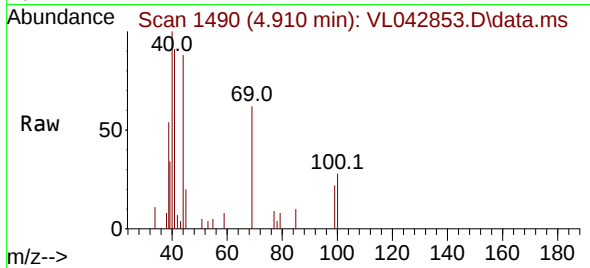




#43
Methyl Methacrylate
Concen: 0.036 ppbv
RT: 4.910 min Scan# 1410
Delta R.T. 0.019 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

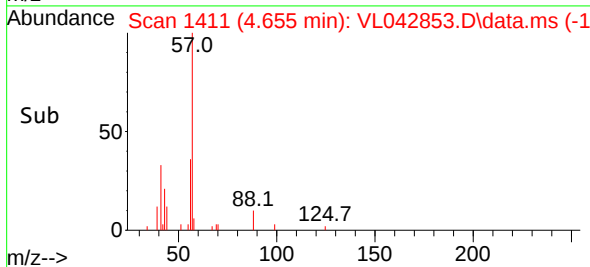
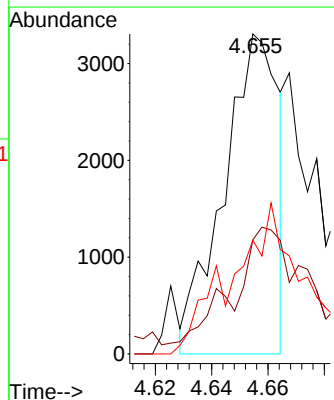
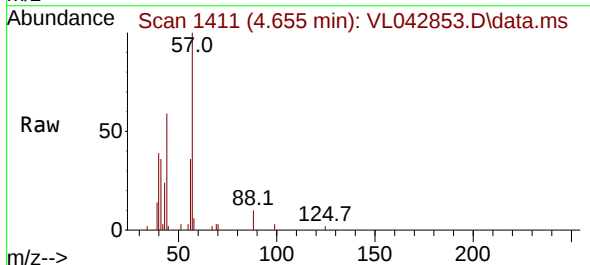
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

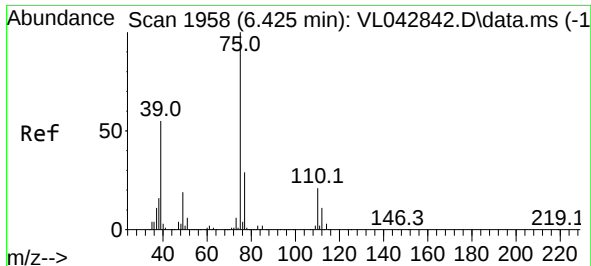
Tgt Ion: 69 Resp: 573
Ion Ratio Lower Upper
69 100
41 471.4 114.6 172.0#
100 101.7 30.2 45.4#



#44
2,2,4-Trimethylpentane
Concen: 0.068 ppbv
RT: 4.655 min Scan# 1411
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 57 Resp: 4434
Ion Ratio Lower Upper
57 100
41 64.7 24.8 37.2#
56 62.9 25.5 38.3#

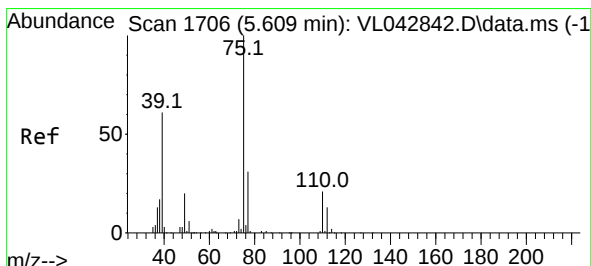
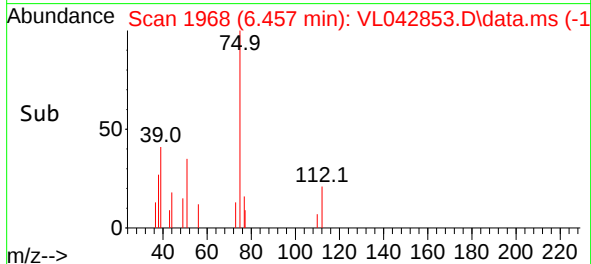
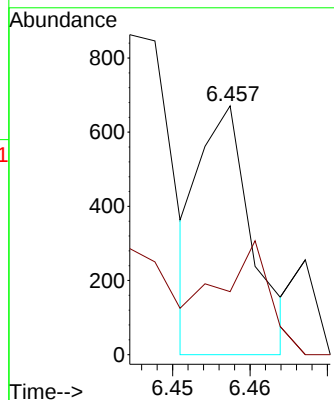
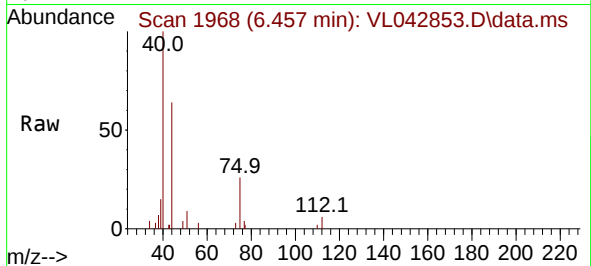




#45
 t-1,3-Dichloropropene
 Concen: 0.018 ppbv
 RT: 6.457 min Scan# 1958
 Delta R.T. 0.032 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

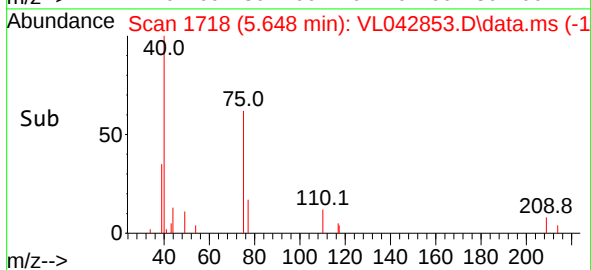
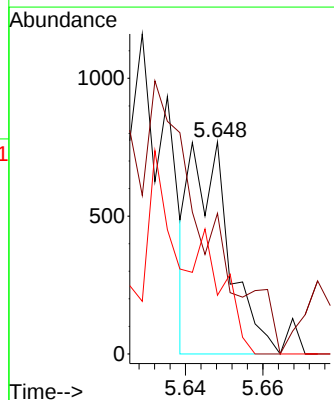
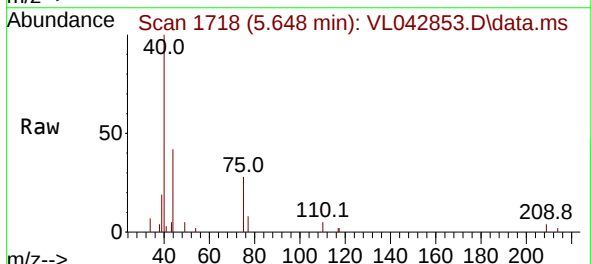
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

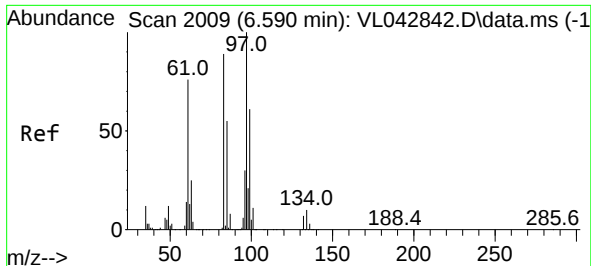
Tgt Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 77 25.3 23.8 35.6



#46
 cis-1,3-Dichloropropene
 Concen: 0.024 ppbv
 RT: 5.648 min Scan# 1718
 Delta R.T. 0.039 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion: 75 Resp: 529
 Ion Ratio Lower Upper
 75 100
 39 66.3 48.9 73.3
 77 27.7 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 0.053 ppbv

RT: 6.606 min Scan# 2009

Delta R.T. 0.016 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

Tgt Ion: 97 Resp: 794

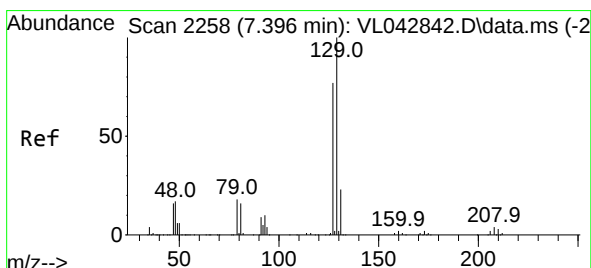
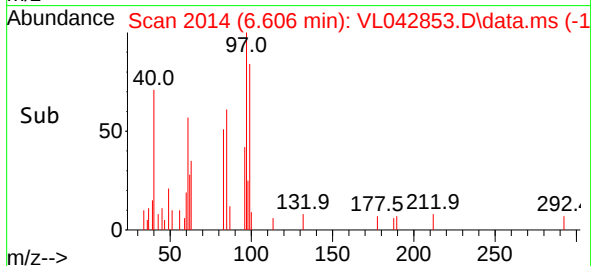
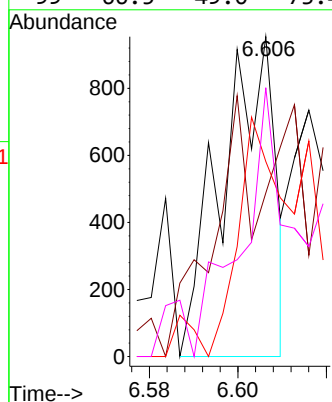
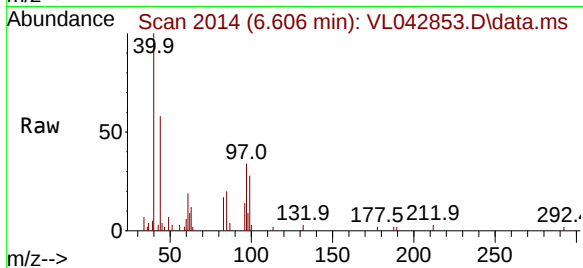
Ion Ratio Lower Upper

97 100

83 28.2 71.0 106.4#

85 48.1 43.6 65.4

99 66.5 49.0 73.4



#48

Dibromochloromethane

Concen: 0.033 ppbv

RT: 7.415 min Scan# 2264

Delta R.T. 0.019 min

Lab File: VL042853.D

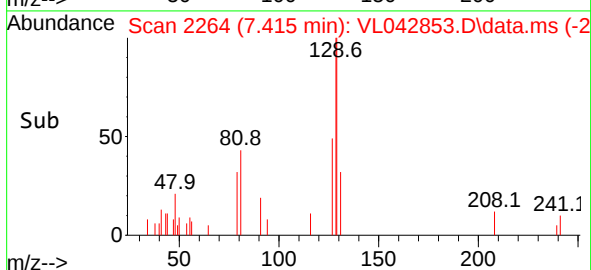
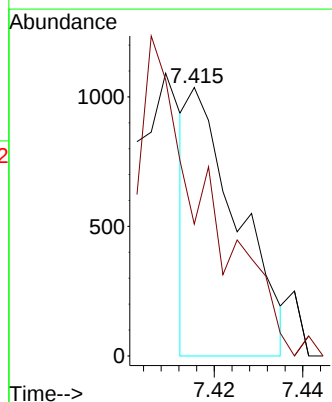
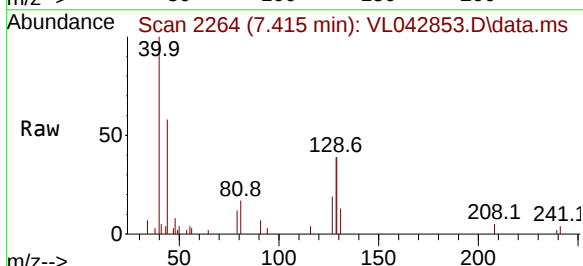
Acq: 13 Aug 2025 15:49

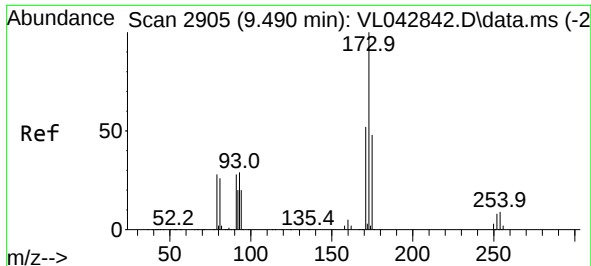
Tgt Ion: 129 Resp: 799

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.2#





#49

Bromoform

Concen: 0.039 ppbv

RT: 9.503 min Scan# 2905

Delta R.T. 0.013 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT2-2025

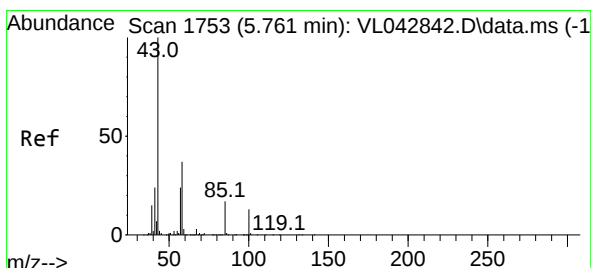
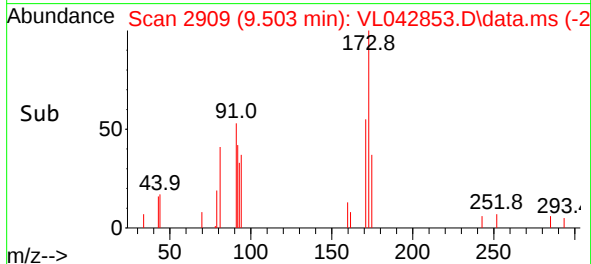
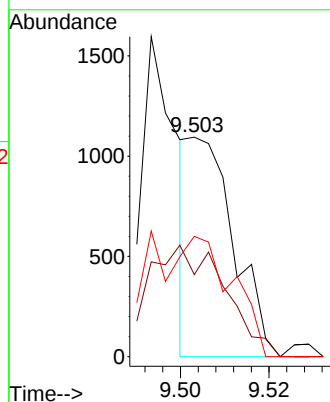
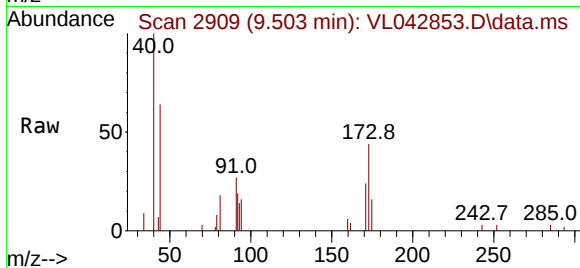
Tgt Ion:173 Resp: 776

Ion Ratio Lower Upper

173 100

175 93.8 39.2 58.8#

171 0.0 41.3 61.9#



#50

4-Methyl-2-Pentanone

Concen: 0.025 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.026 min

Lab File: VL042853.D

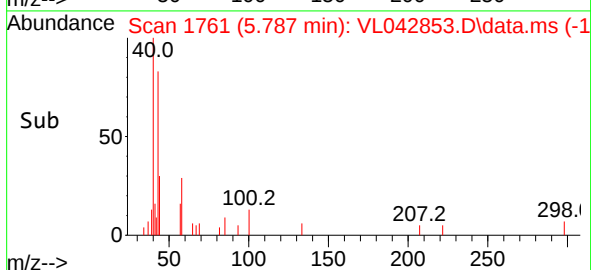
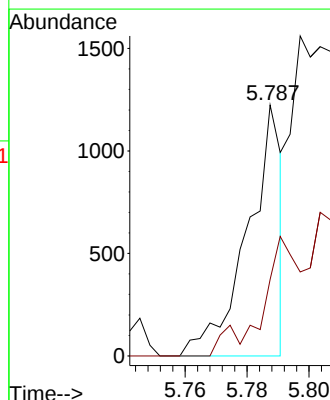
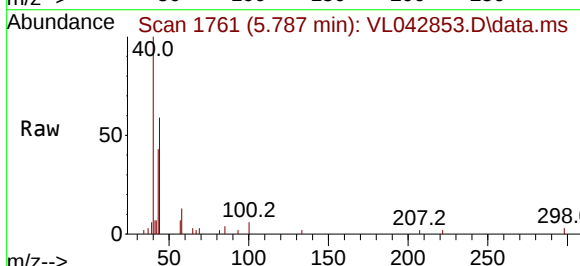
Acq: 13 Aug 2025 15:49

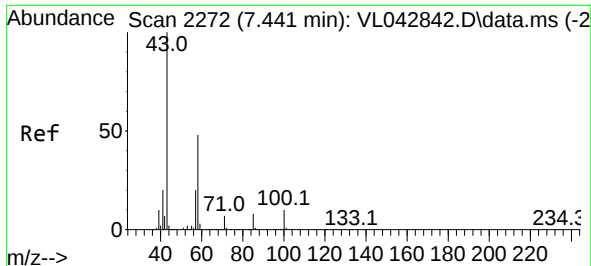
Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#

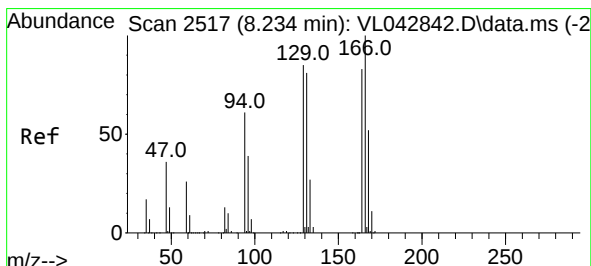
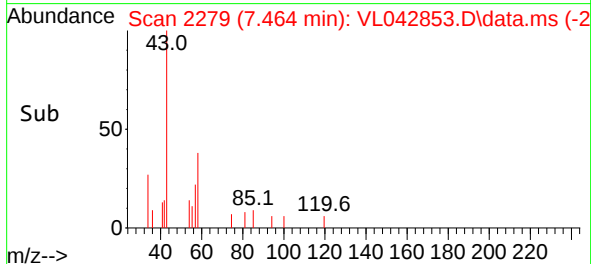
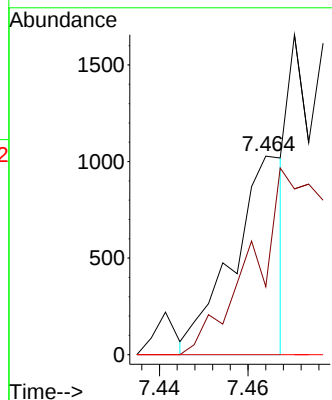
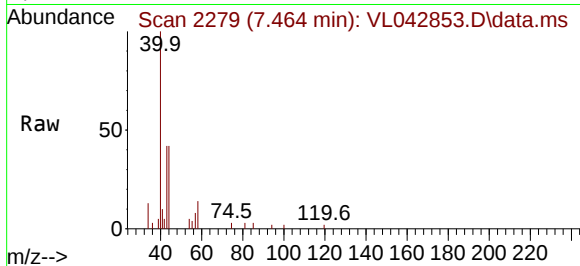




#51
2-Hexanone
Concen: 0.028 ppbv
RT: 7.464 min Scan# 211
Delta R.T. 0.023 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

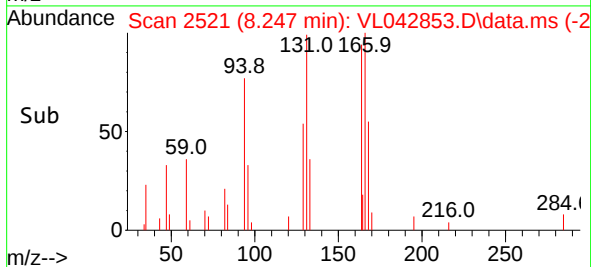
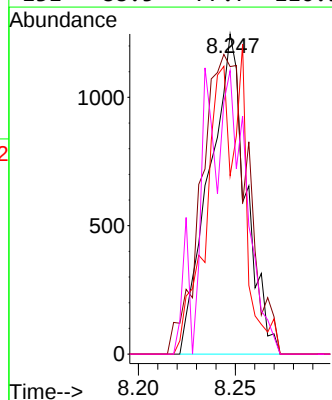
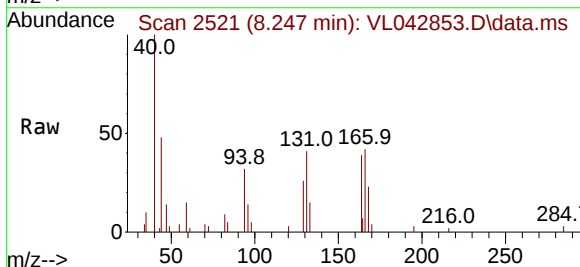
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

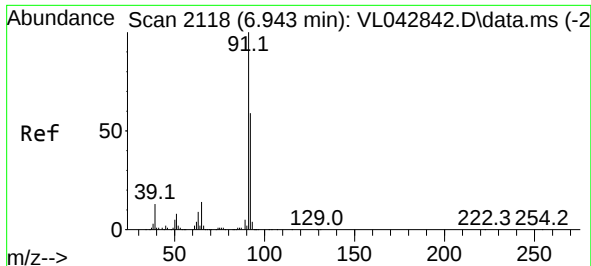
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.118 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 164 Resp: 1645
Ion Ratio Lower Upper
164 100
166 89.8 96.5 144.7#
129 55.7 81.8 122.6#
131 88.5 77.7 116.5

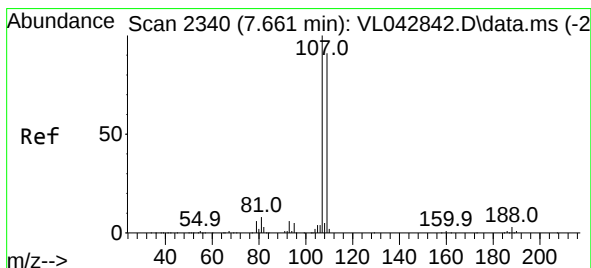
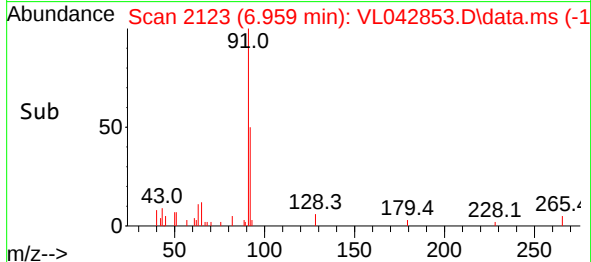
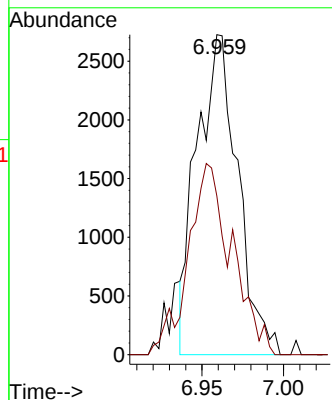
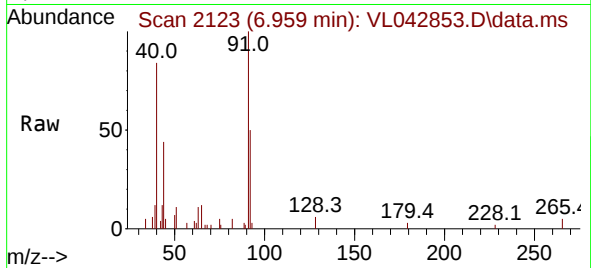




#53
Toluene
Concen: 0.103 ppbv
RT: 6.959 min Scan# 2118
Delta R.T. 0.016 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

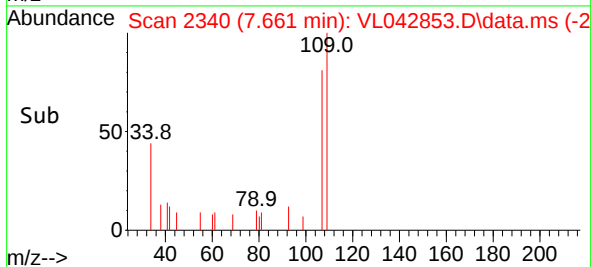
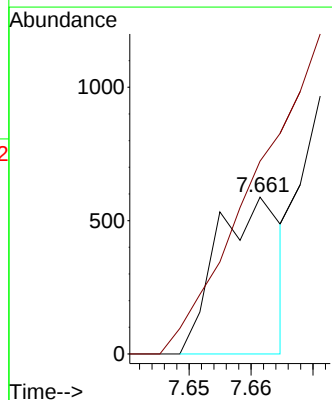
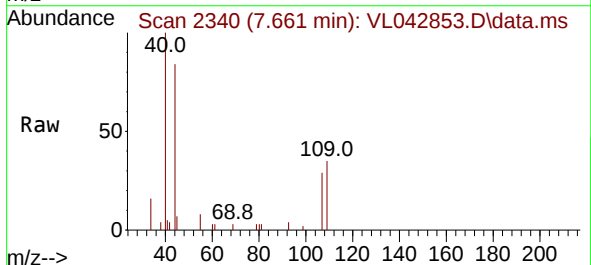
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

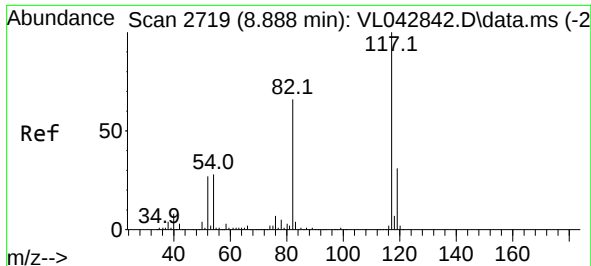
Tgt Ion: 91 Resp: 4738
Ion Ratio Lower Upper
91 100
92 63.8 47.8 71.6



#54
1,2-Dibromoethane
Concen: 0.019 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 107 Resp: 425
Ion Ratio Lower Upper
107 100
109 106.6 72.5 108.7

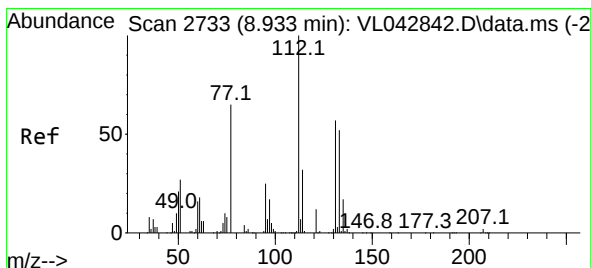
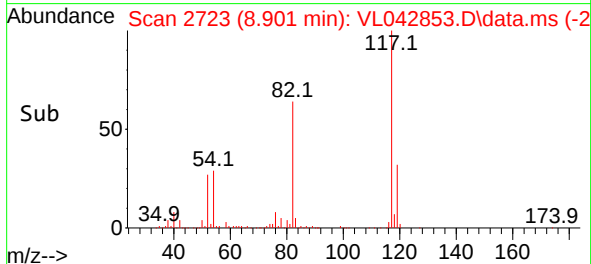
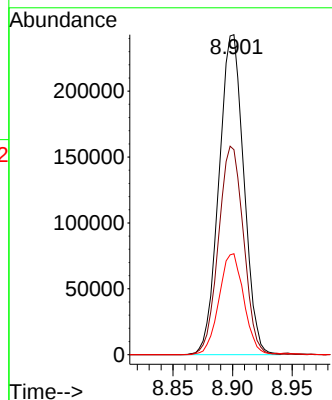
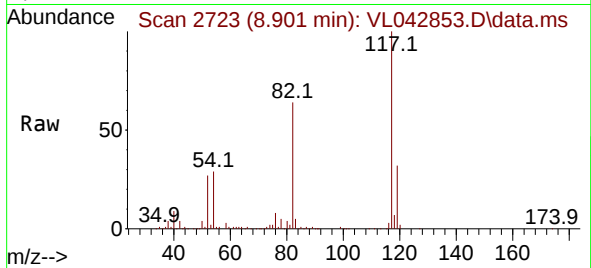




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2719
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

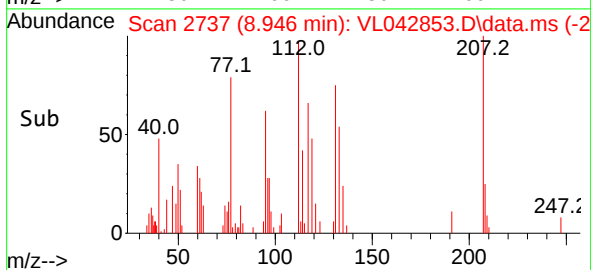
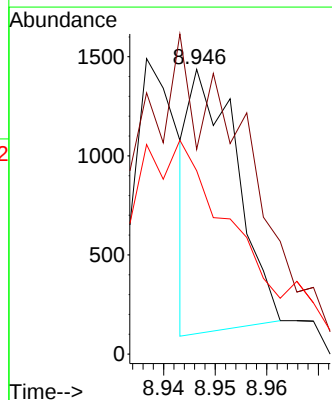
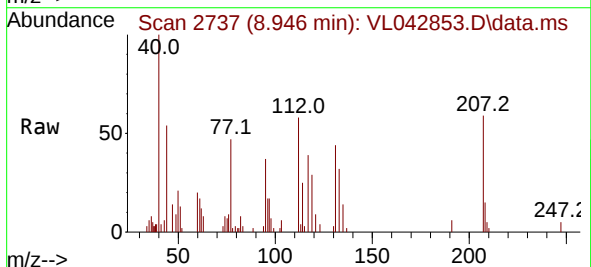
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT2-2025

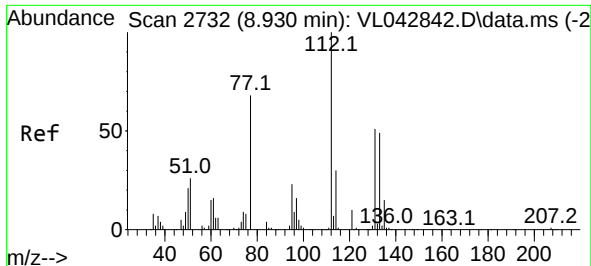
Tgt Ion:117 Resp: 352573
Ion Ratio Lower Upper
117 100
82 65.6 54.6 81.8
119 31.9 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.046 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:131 Resp: 835
Ion Ratio Lower Upper
131 100
133 309.9 77.4 116.0#
119 0.0 51.2 76.8#

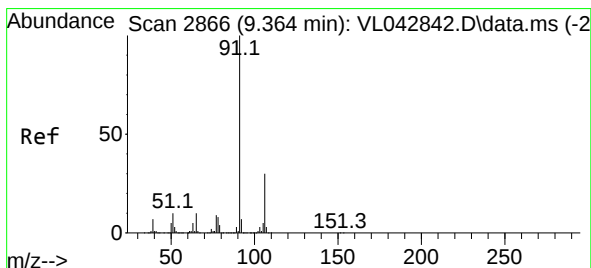
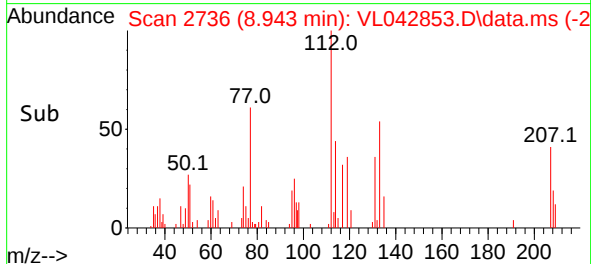
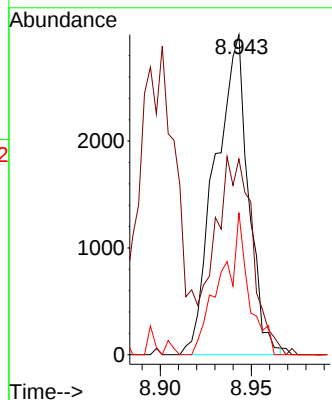
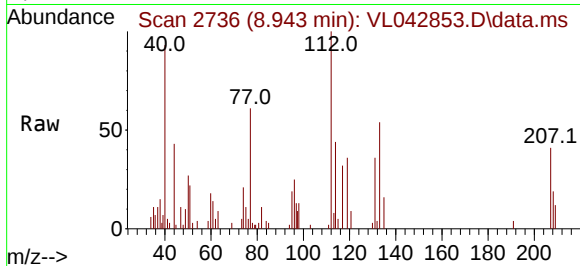




#57
Chlorobenzene
Concen: 0.113 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

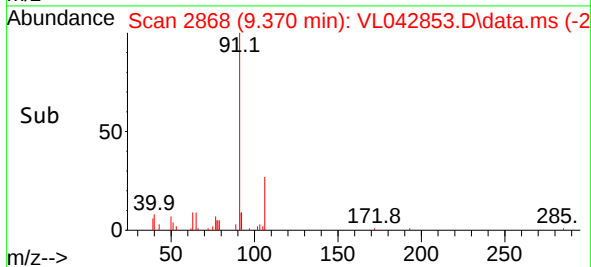
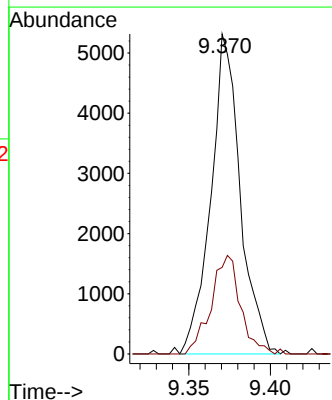
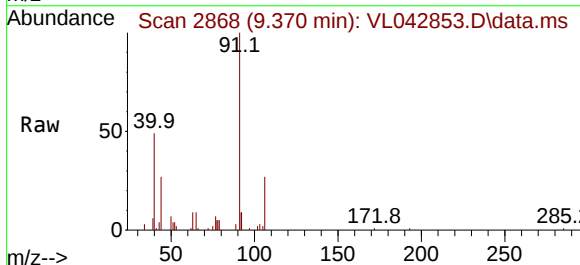
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

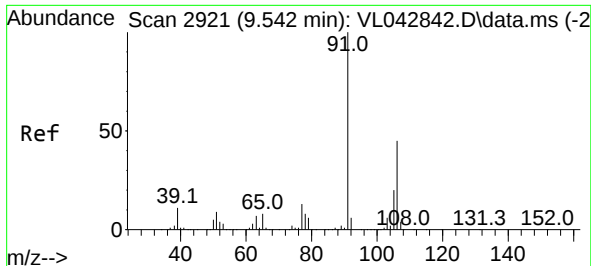
Tgt Ion:112 Resp: 3800
Ion Ratio Lower Upper
112 100
77 58.5 55.5 83.3
114 44.4 27.2 33.2#



#58
Ethyl Benzene
Concen: 0.107 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 91 Resp: 6650
Ion Ratio Lower Upper
91 100
106 27.0 23.9 35.9





#59

m/p-Xylene

Concen: 0.095 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.010 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

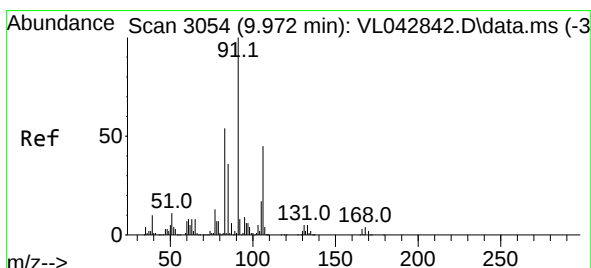
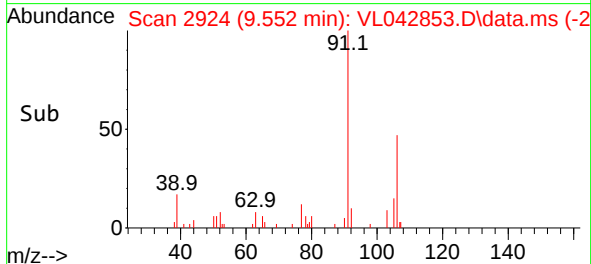
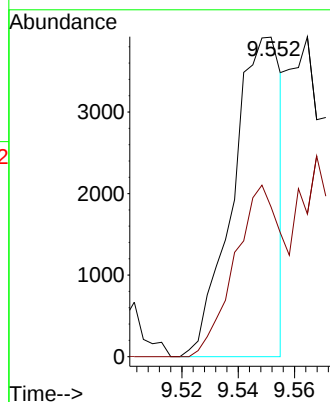
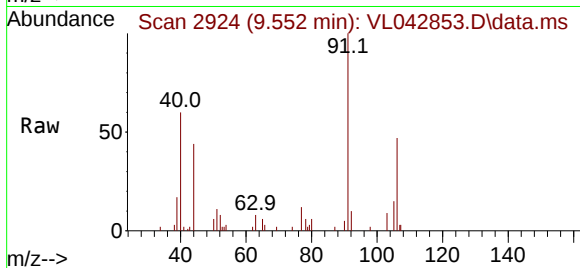
LOQ-AIR-02-QT2-2025

Tgt Ion: 91 Resp: 4637

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.101 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.010 min

Lab File: VL042853.D

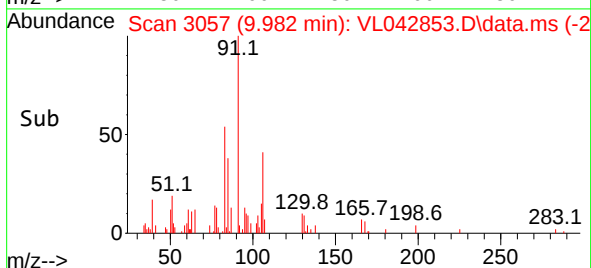
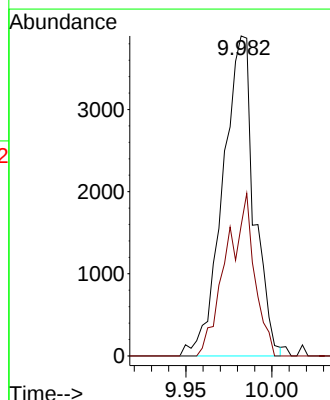
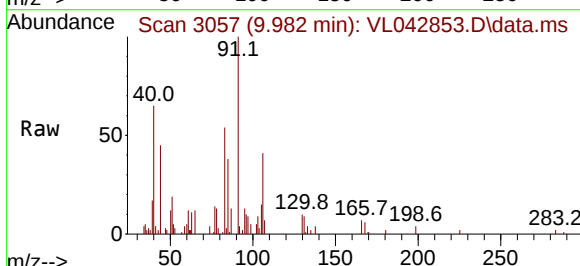
Acq: 13 Aug 2025 15:49

Tgt Ion: 91 Resp: 4953

Ion Ratio Lower Upper

91 100

106 45.6 21.8 65.4

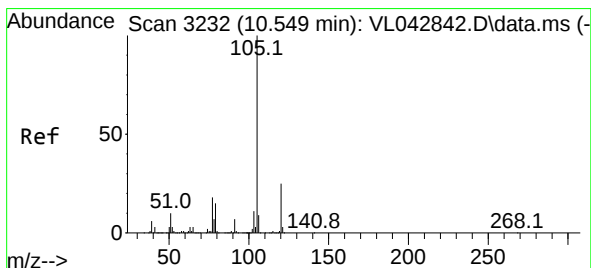
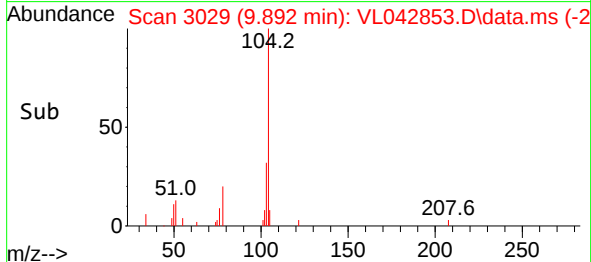
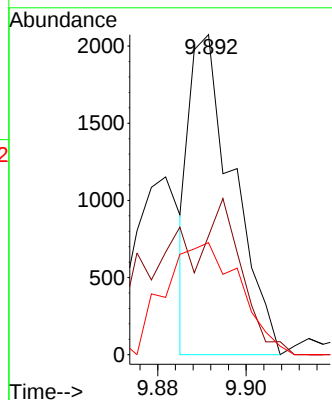
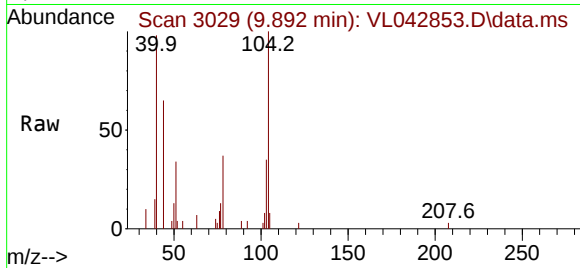




#61
Styrene
Concen: 0.062 ppbv
RT: 9.892 min Scan# 3029
Delta R.T. 0.013 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

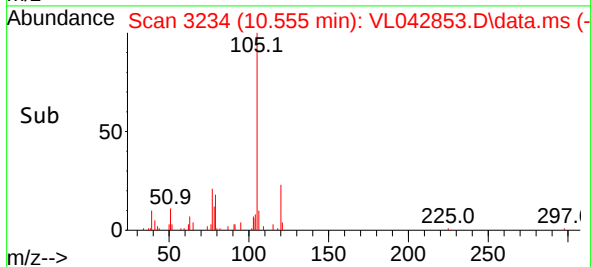
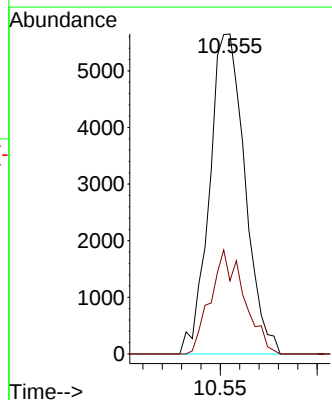
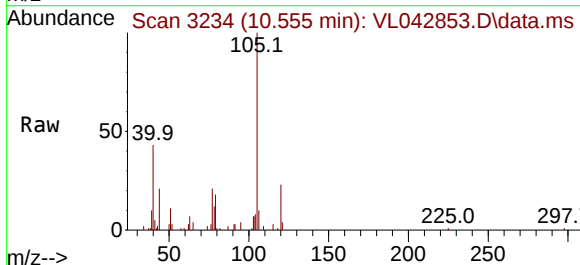
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

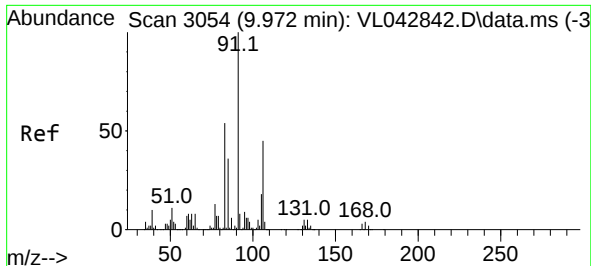
Tgt Ion:104 Resp: 1422
Ion Ratio Lower Upper
104 100
78 89.9 40.6 61.0#
103 62.5 37.7 56.5#



#62
Isopropylbenzene
Concen: 0.100 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.006 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:105 Resp: 7181
Ion Ratio Lower Upper
105 100
120 30.8 20.6 30.8

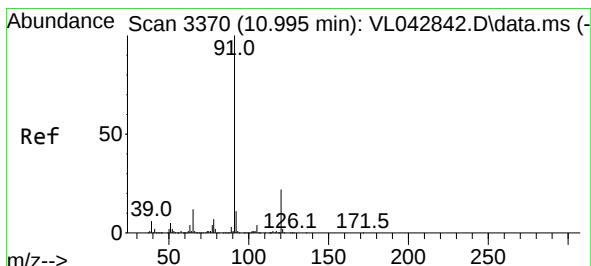
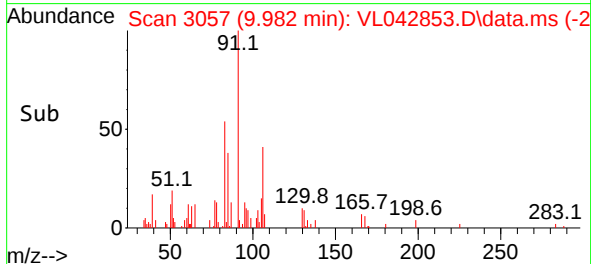
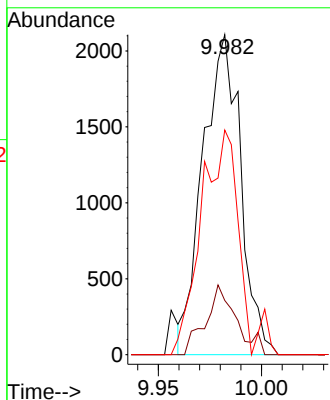
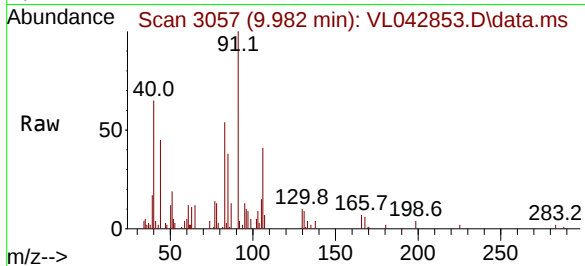




#63
1,1,2,2-Tetrachloroethane
Concen: 0.099 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

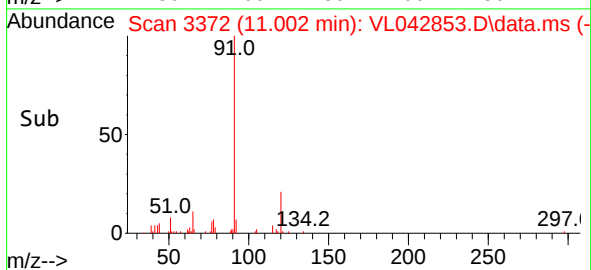
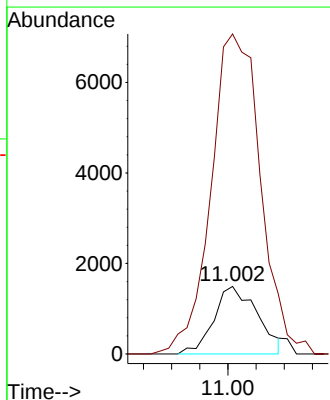
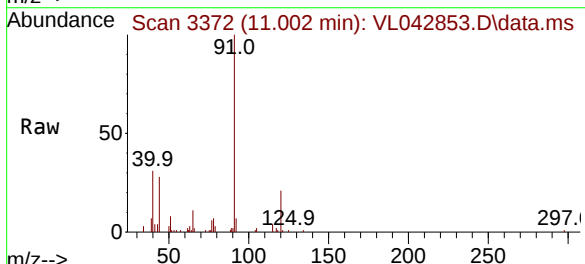
Instrument : MSVOA_L
ClientSampleId : LOQ-AIR-02-QT2-2025

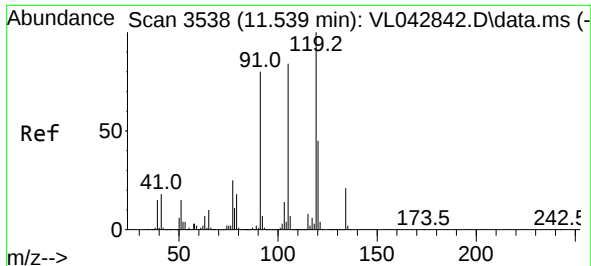
Tgt Ion: 83 Resp: 2677
Ion Ratio Lower Upper
83 100
131 17.7 4.8 14.3#
85 70.7 32.3 96.8



#64
n-propylbenzene
Concen: 0.088 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 120 Resp: 1602
Ion Ratio Lower Upper
120 100
91 539.9 375.8 563.6

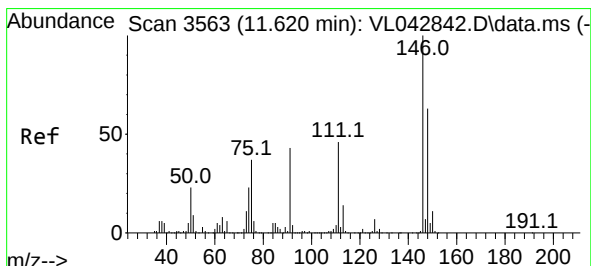
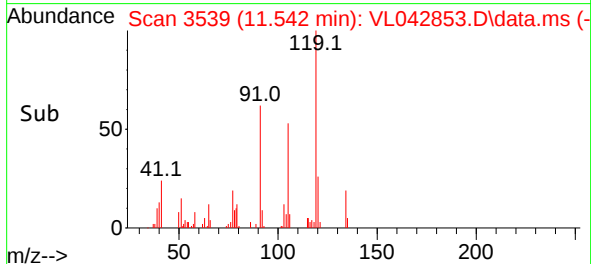
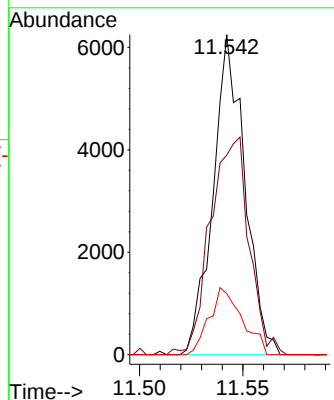
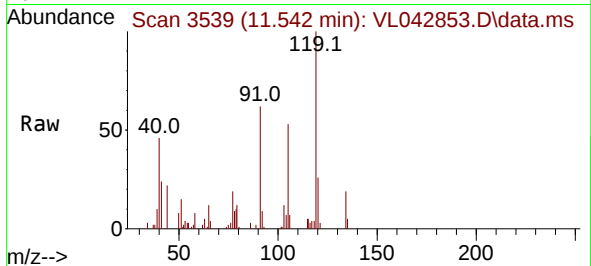




#65
tert-Butylbenzene
Concen: 0.106 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

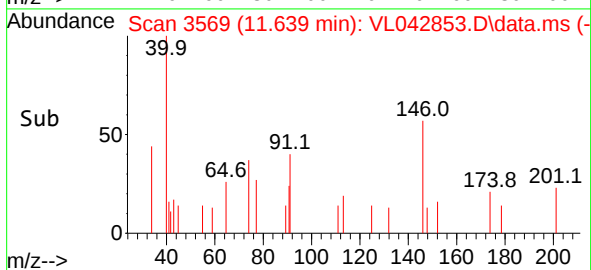
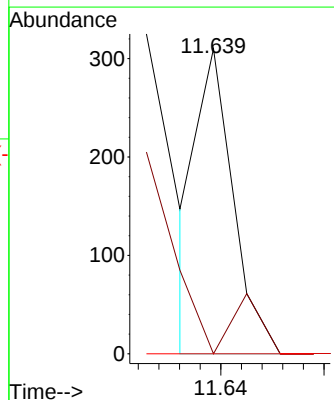
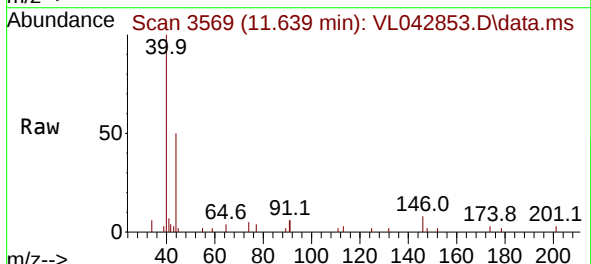
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

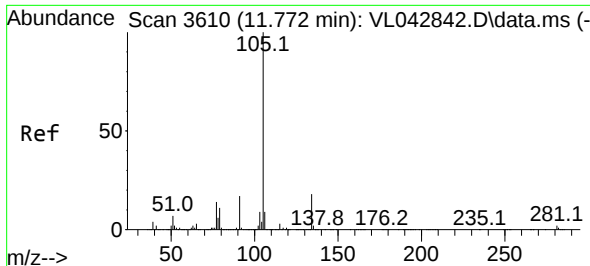
Tgt Ion:119	Resp:	6690
Ion	Ratio	Lower Upper
119	100	
91	82.8	63.9 95.9
134	21.6	17.0 25.4



#66
Benzyl Chloride
Concen: 0.009 ppbv
RT: 11.639 min Scan# 3569
Delta R.T. 0.019 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion: 91	Resp:	72
Ion	Ratio	Lower Upper
91	100	
126	0.0	14.2 21.4#
128	0.0	5.0 7.6#

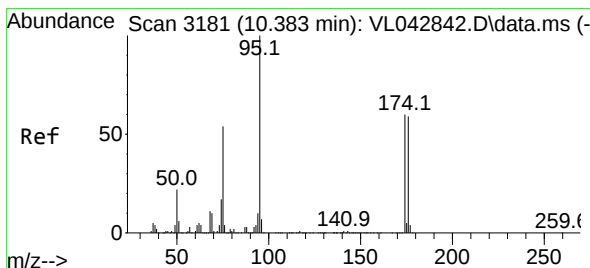
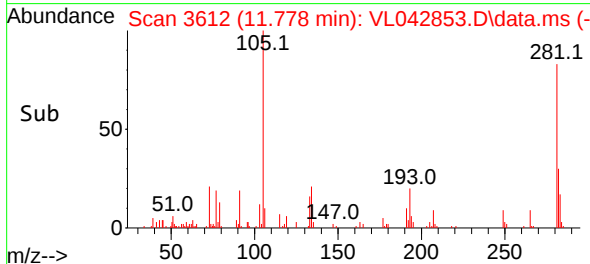
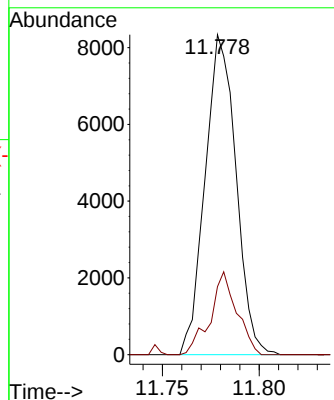
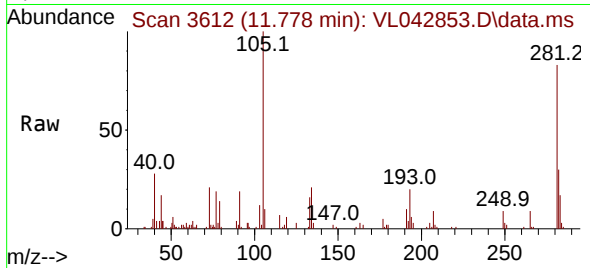




#67
 sec-Butylbenzene
 Concen: 0.104 ppbv
 RT: 11.778 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

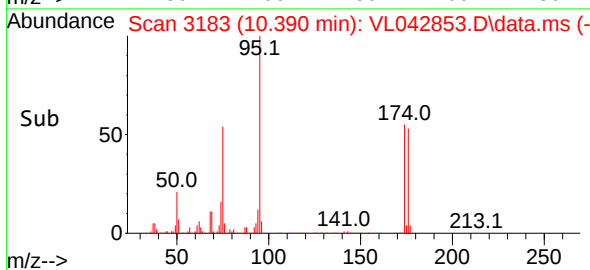
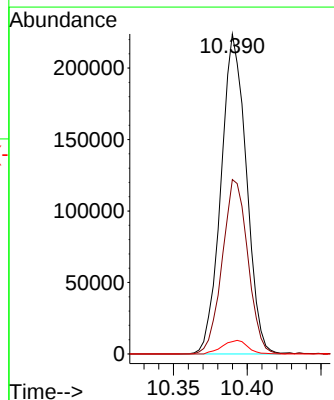
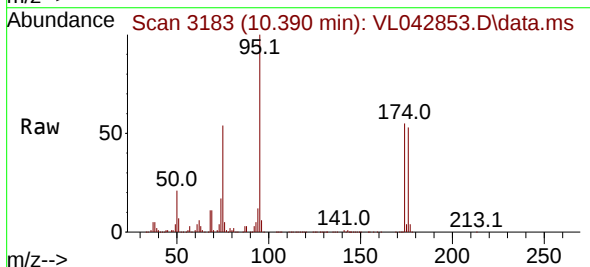
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

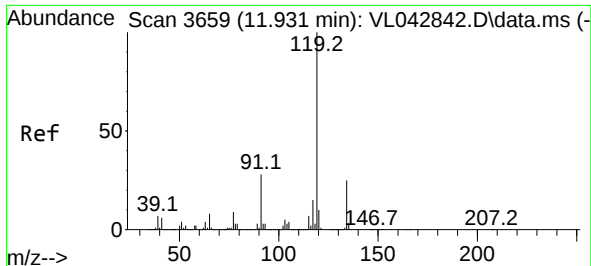
Tgt Ion:105 Resp: 9243
 Ion Ratio Lower Upper
 105 100
 134 23.0 14.9 22.3#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.097 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion: 95 Resp: 266993
 Ion Ratio Lower Upper
 95 100
 174 55.2 48.4 72.6
 175 4.3 3.8 5.8

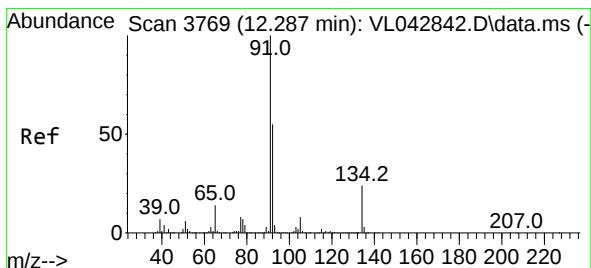
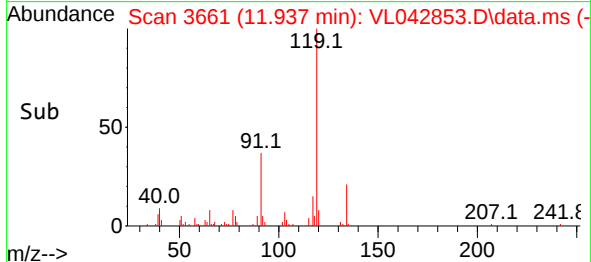
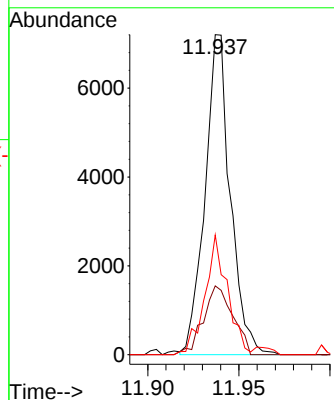
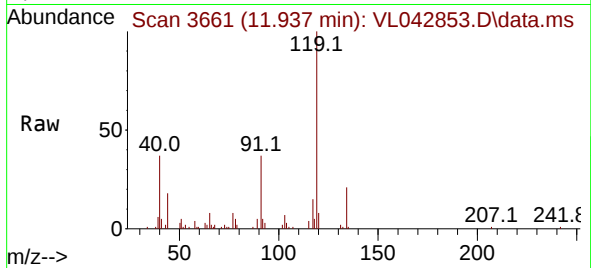




#69
 p-Isopropyltoluene
 Concen: 0.092 ppbv
 RT: 11.937 min Scan# 3661
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

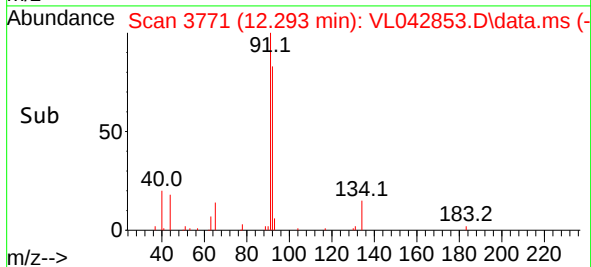
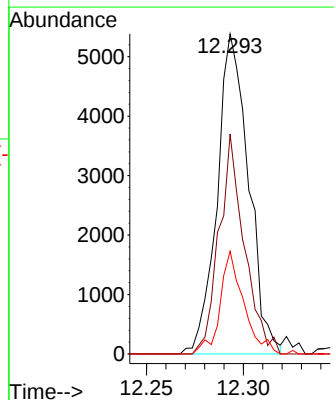
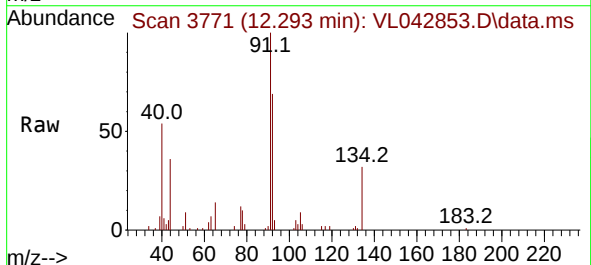
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT2-2025

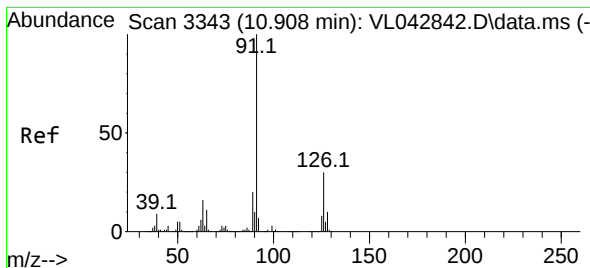
Tgt Ion:	119	Resp:	6981
Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.6	30.8
91	34.9	22.6	34.0



#70
 n-Butylbenzene
 Concen: 0.080 ppbv
 RT: 12.293 min Scan# 3771
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Tgt Ion:	91	Resp:	6077
Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.6	66.8
134	24.3	19.0	28.4





#71

2-Chlorotoluene

Concen: 0.094 ppbv

RT: 10.918 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Instrument :

MSVOA_L

ClientSampleId :

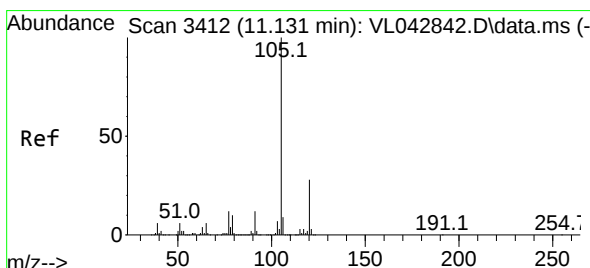
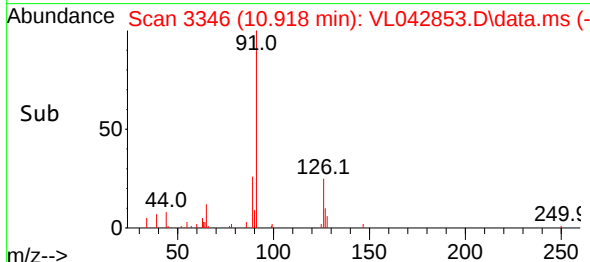
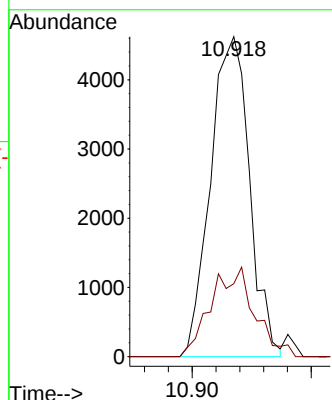
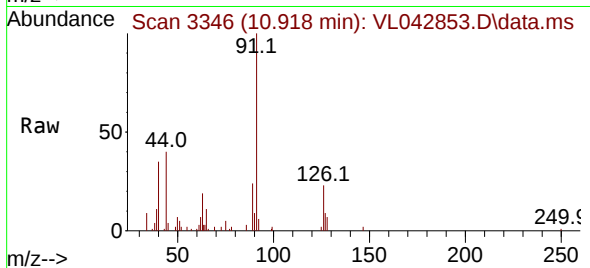
LOQ-AIR-02-QT2-2025

Tgt Ion: 91 Resp: 5260

Ion Ratio Lower Upper

91 100

126 31.1 12.0 47.8



#72

4-Ethyltoluene

Concen: 0.091 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.010 min

Lab File: VL042853.D

Acq: 13 Aug 2025 15:49

Tgt Ion: 105 Resp: 5425

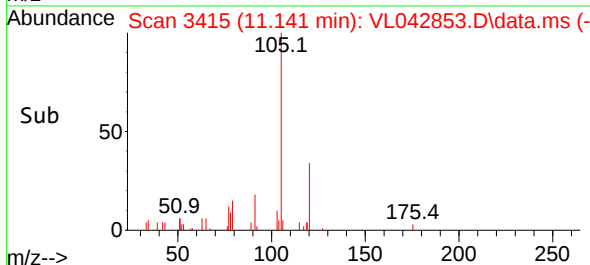
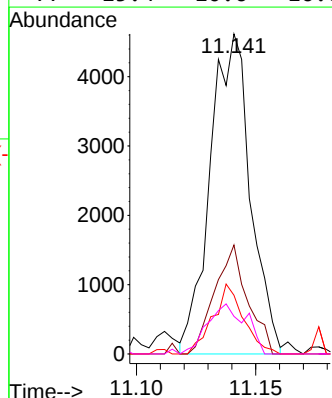
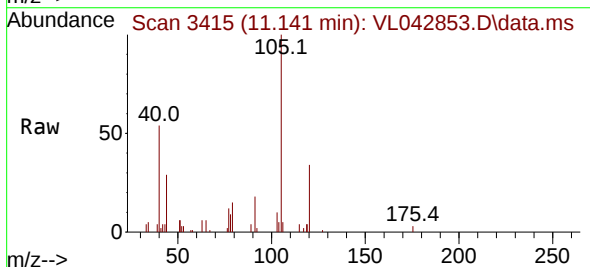
Ion Ratio Lower Upper

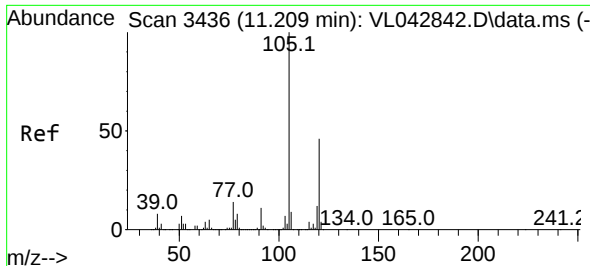
105 100

120 28.5 23.4 35.2

91 17.0 9.8 14.6#

77 15.4 10.6 16.0

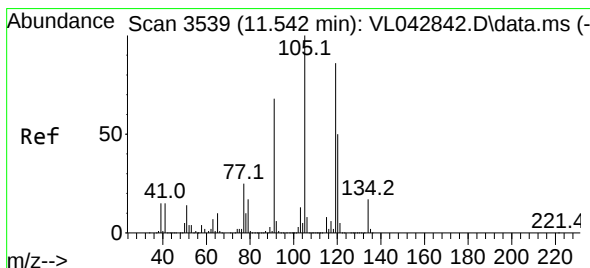
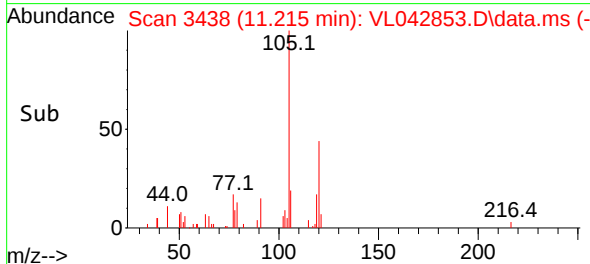
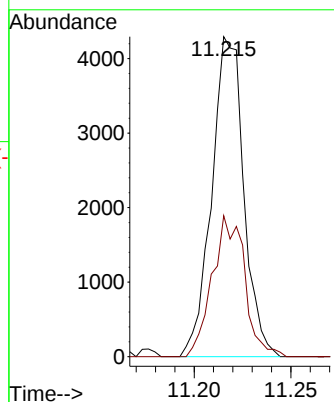
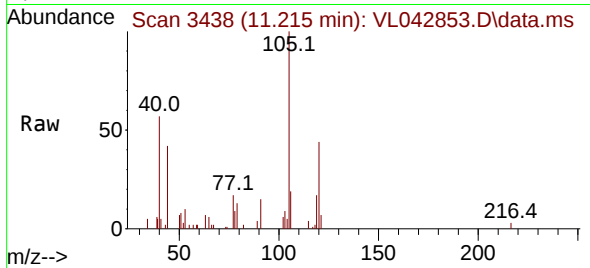




#73
1,3,5-Trimethylbenzene
Concen: 0.098 ppbv
RT: 11.215 min Scan# 3436
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

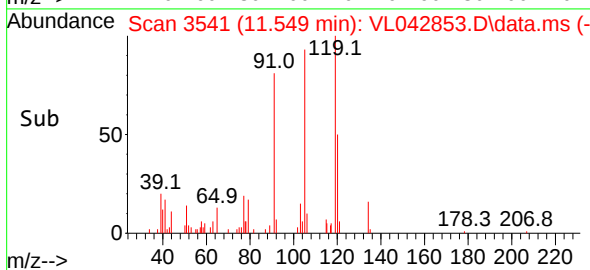
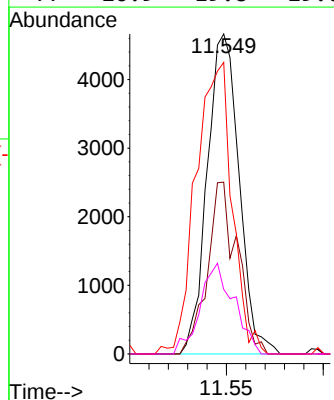
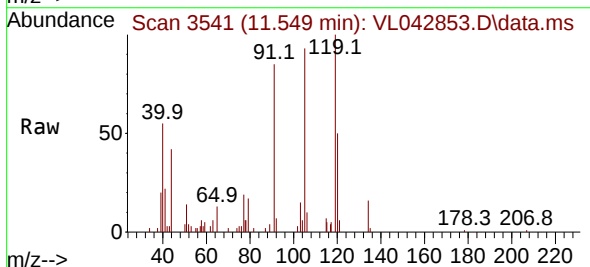
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT2-2025

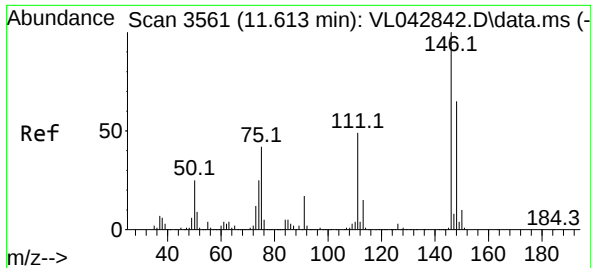
Tgt Ion:105 Resp: 4935
Ion Ratio Lower Upper
105 100
120 44.0 36.6 54.8



#74
1,2,4-Trimethylbenzene
Concen: 0.096 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:105 Resp: 5343
Ion Ratio Lower Upper
105 100
120 53.7 39.8 59.6
91 91.1 54.2 81.4#
77 26.9 19.8 29.6

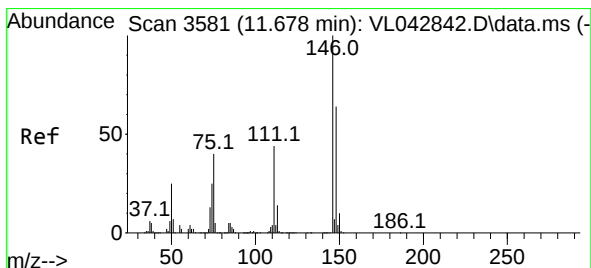
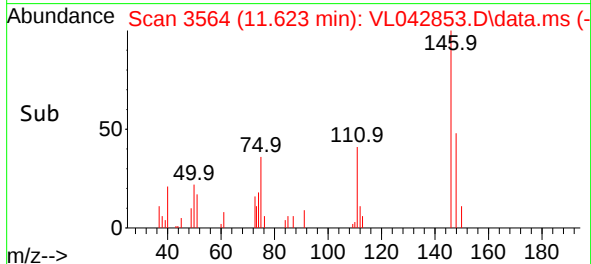
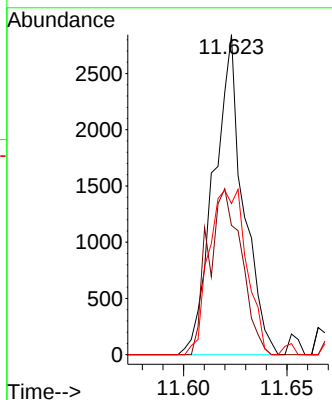
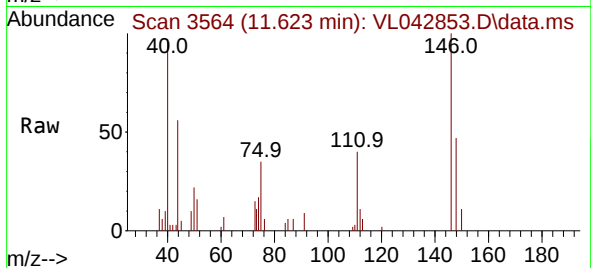




#75
1,3-Dichlorobenzene
Concen: 0.089 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

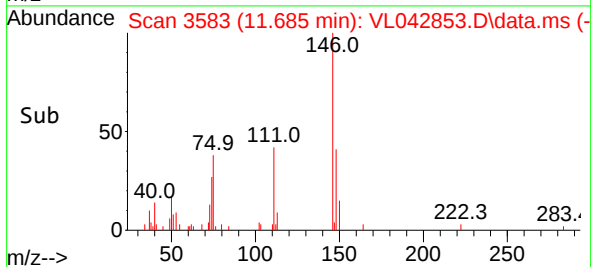
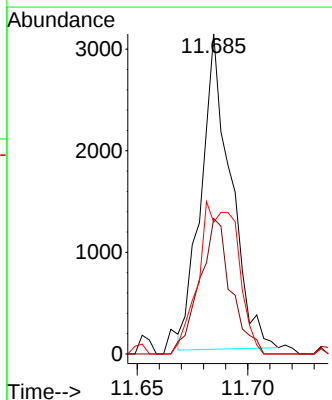
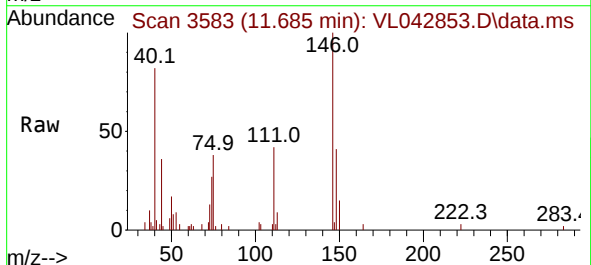
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

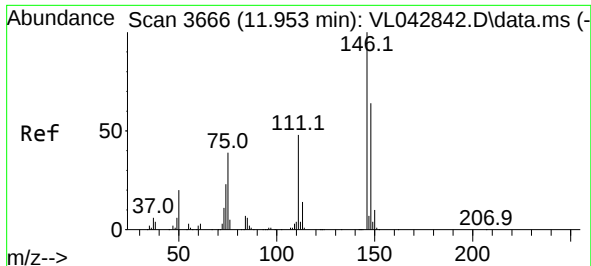
Tgt Ion:	146	Resp:	2822
Ion Ratio	Lower	Upper	
146	100		
111	58.2	23.9	71.7
148	67.0	31.4	94.0



#76
1,4-Dichlorobenzene
Concen: 0.091 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.007 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:	146	Resp:	2892
Ion Ratio	Lower	Upper	
146	100		
111	45.5	22.7	68.1
148	63.8	31.8	95.3

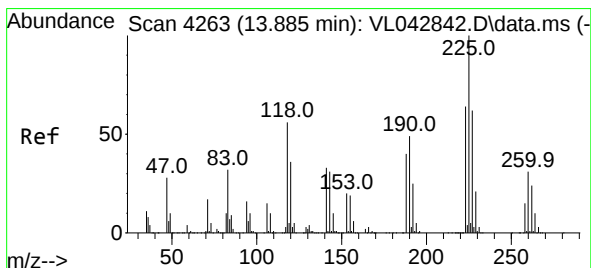
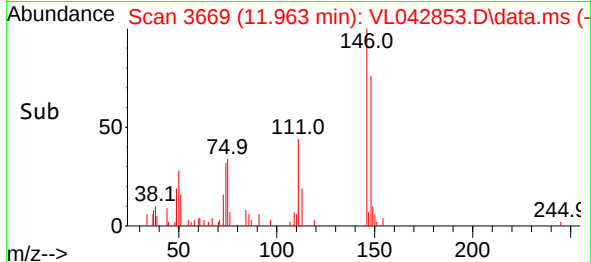
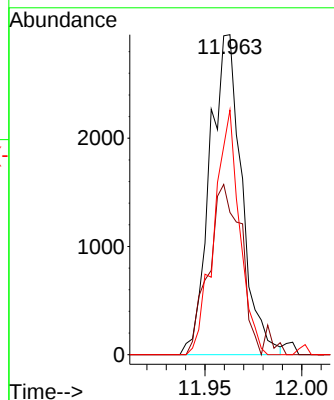
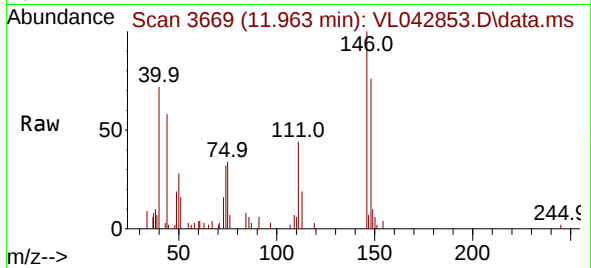




#77
1,2-Dichlorobenzene
Concen: 0.109 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

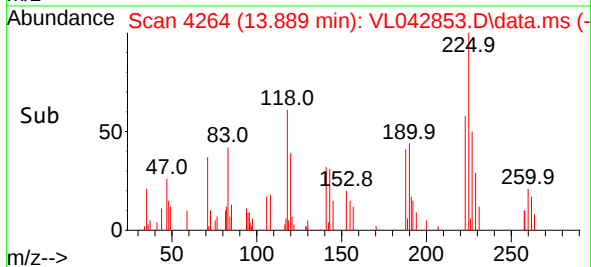
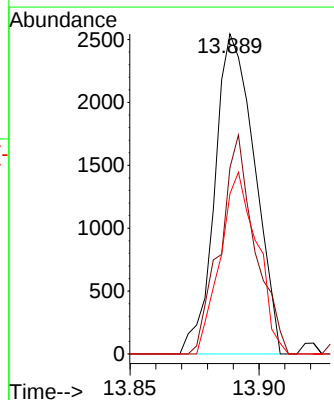
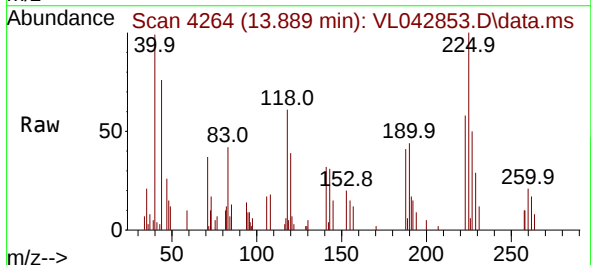
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

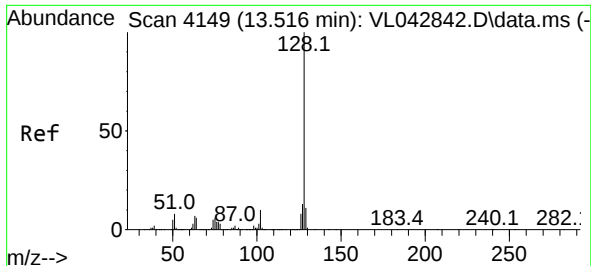
Tgt Ion:146 Resp: 3373
Ion Ratio Lower Upper
146 100
111 56.7 24.6 74.0
148 61.2 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.108 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.003 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

Tgt Ion:225 Resp: 2726
Ion Ratio Lower Upper
225 100
223 60.5 51.4 77.2
227 52.8 51.9 77.9

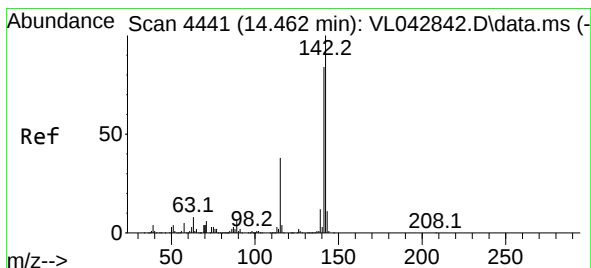
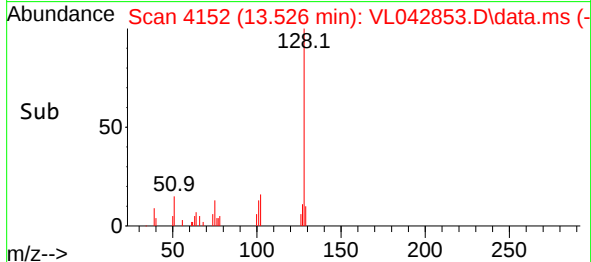
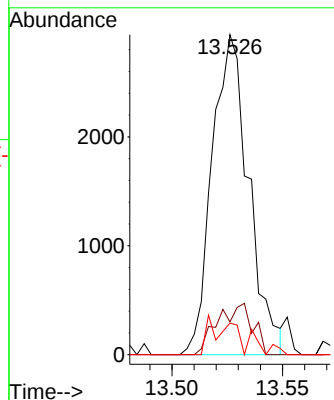
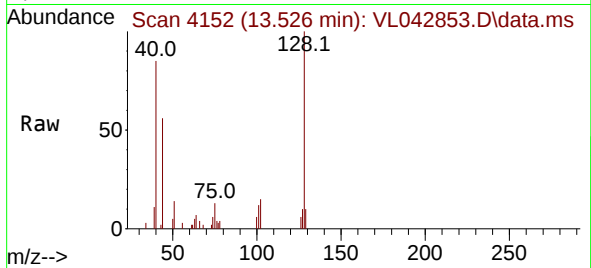




#79
Naphthalene
Concen: 0.067 ppbv
RT: 13.526 min Scan# 4149
Delta R.T. 0.010 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

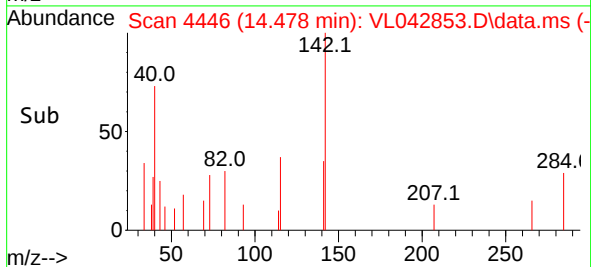
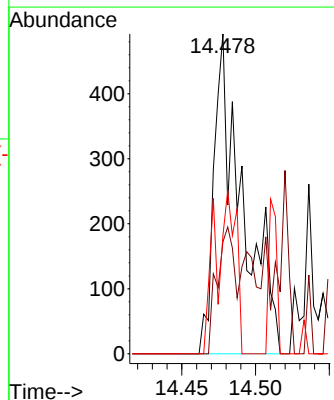
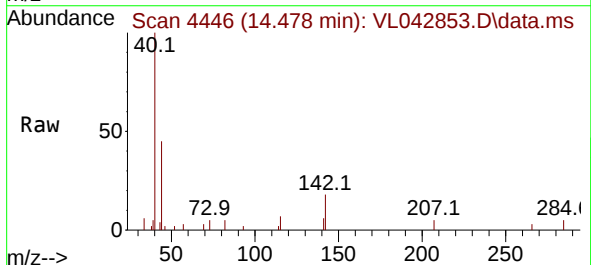
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2025

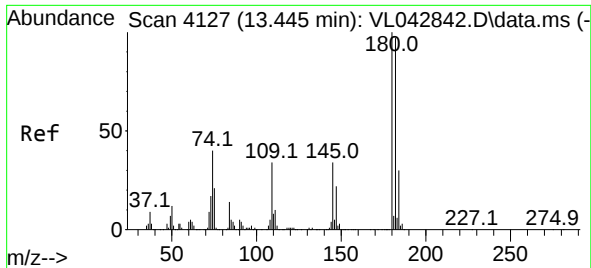
Tgt Ion:128 Resp: 3382
Ion Ratio Lower Upper
128 100
127 10.3 10.6 16.0#
129 9.9 8.9 13.3



#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.016 min
Lab File: VL042853.D
Acq: 13 Aug 2025 15:49

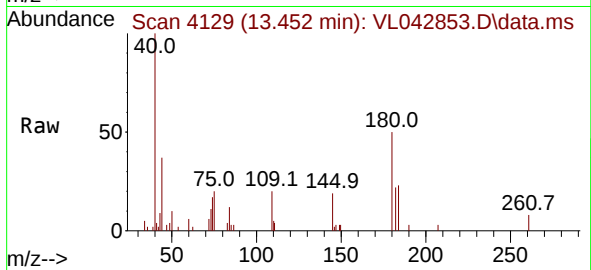
Tgt Ion:142 Resp: 652
Ion Ratio Lower Upper
142 100
141 70.4 67.0 100.6
115 37.6 30.9 46.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.046 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042853.D
 Acq: 13 Aug 2025 15:49

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2025



Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.9	115.3
184	40.8	24.5	36.7

