

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042994.D
 Acq On : 23 Sep 2025 16:25
 Operator : SY/MD
 Sample : Q2893-14 0.1 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 24 02:24:47 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	2.793	49	152715	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	407488	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	359028	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	279008	10.411	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	1980	0.096	ppbv	89
3) Chlorodifluoromethane	1.479	51	3130	0.122	ppbv #	83
4) Chloromethane	1.534	50	1303	0.140	ppbv	95
5) Vinyl Chloride	1.583	62	986	0.117	ppbv	92
6) Bromomethane	1.673	94	349	0.118	ppbv #	79
7) Chloroethane	1.706	64	402	0.123	ppbv #	77
8) Dichlorotetrafluoroethane	1.557	85	1980	0.113	ppbv	98
9) Propene	1.486	41	1415	0.127	ppbv	92
10) Heptane	4.981	43	750	0.025	ppbv #	1
11) Trichlorofluoromethane	1.881	101	2289	0.116	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	1789	0.112	ppbv	93
13) Ethanol	1.894	45	1608	1.488	ppbv #	35
14) Bromoethene	1.787	108	711	0.117	ppbv #	62
15) Acetone	1.839	43	3483	0.175	ppbv #	80
16) 1,3-Butadiene	1.612	39	1731	0.184	ppbv #	65
17) tert-Butyl alcohol	2.049	59	2078	0.095	ppbv #	68
18) 1,1-Dichloroethene	2.039	96	855	0.115	ppbv	78
19) Isopropyl Alcohol	1.894	45	1608	0.134	ppbv #	52
20) Methylene Chloride	2.065	84	2639	0.317	ppbv #	86
21) Allyl Chloride	2.101	41	1542	0.111	ppbv #	67
22) trans-1,2-Dichloroethene	2.039	96	855	0.101	ppbv	96
23) Vinyl Acetate	2.463	43	3236	0.114	ppbv #	64
24) 1,1-Dichloroethane	2.411	63	2025	0.122	ppbv #	97
25) Ethyl Acetate	2.845	43	3763	0.075	ppbv #	88
26) Hexane	2.826	57	862	0.038	ppbv #	1
27) Carbon Disulfide	2.152	76	1790	0.087	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	393	0.033	ppbv #	1
29) Chloroform	2.858	83	2246	0.075	ppbv	92
30) Cyclohexane	3.865	84	922	0.048	ppbv #	22
31) cis-1,2-Dichloroethene	2.347	61	1653	0.077	ppbv	92
32) 1,1,1-Trichloroethane	3.376	97	2686	0.083	ppbv #	86
34) 2-Butanone	2.567	43	3608	0.126	ppbv	99
35) Carbon Tetrachloride	3.771	117	2046	0.077	ppbv	89
36) Benzene	3.670	78	3966	0.104	ppbv #	81
37) 1,2-Dichloroethane	3.221	62	1648	0.082	ppbv #	79
38) Trichloroethene	4.554	130	1690	0.089	ppbv #	71
39) 1,2-Dichloropropane	3.965	63	108015	7.732	ppbv #	22
40) 1,4-Dioxane	4.619	88	190	0.029	ppbv #	57
41) Tetrahydrofuran	3.052	42	74	0.005	ppbv #	38
42) Bromodichloromethane	4.499	83	634	0.023	ppbv #	15
43) Methyl Methacrylate	4.900	69	478	0.031	ppbv #	1
44) 2,2,4-Trimethylpentane	4.641	57	2629	0.040	ppbv #	1
45) t-1,3-Dichloropropene	6.428	75	308	0.018	ppbv #	78

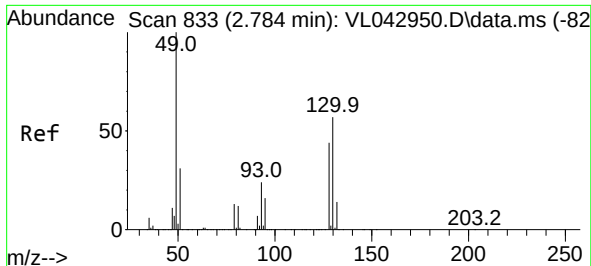
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Quant Time: Sep 24 02:24:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	768	0.036	ppbv #	39
47) 1,1,2-Trichloroethane	6.600	97	612	0.041	ppbv #	24
48) Dibromochloromethane	7.399	129	2410	0.102	ppbv	97
49) Bromoform	9.493	173	1091	0.053	ppbv #	28
50) 4-Methyl-2-Pentanone	5.755	43	108	0.003	ppbv #	39
51) 2-Hexanone	7.461	43	1329	0.044	ppbv #	77
52) Tetrachloroethene	8.237	164	918	0.062	ppbv #	69
53) Toluene	6.949	91	1468	0.032	ppbv #	21
54) 1,2-Dibromoethane	7.661	107	2195	0.106	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.933	131	2150	0.125	ppbv #	1
57) Chlorobenzene	8.930	112	3682	0.112	ppbv	89
58) Ethyl Benzene	9.364	91	4714	0.080	ppbv	96
59) m/p-Xylene	9.539	91	3211	0.069	ppbv #	100
60) o-Xylene	9.972	91	3998	0.086	ppbv	92
61) Styrene	9.882	104	1037	0.047	ppbv #	41
62) Isopropylbenzene	10.548	105	5702	0.082	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.975	83	2908	0.119	ppbv	96
64) n-propylbenzene	10.998	120	1263	0.070	ppbv	99
65) tert-Butylbenzene	11.536	119	4150	0.067	ppbv	88
66) Benzyl Chloride	11.626	91	60	0.009	ppbv #	65
67) sec-Butylbenzene	11.772	105	5912	0.069	ppbv	93
69) p-Isopropyltoluene	11.930	119	4495	0.062	ppbv #	91
70) n-Butylbenzene	12.290	91	4292	0.061	ppbv	93
71) 2-Chlorotoluene	10.908	91	4102	0.078	ppbv	97
72) 4-Ethyltoluene	11.131	105	3576	0.061	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.209	105	3331	0.071	ppbv #	77
74) 1,2,4-Trimethylbenzene	11.542	105	3161	0.061	ppbv #	88
75) 1,3-Dichlorobenzene	11.616	146	2562	0.079	ppbv	89
76) 1,4-Dichlorobenzene	11.678	146	2162	0.067	ppbv	88
77) 1,2-Dichlorobenzene	11.956	146	2782	0.090	ppbv	93
78) Hexachloro-1,3-Butadiene	13.885	225	2631	0.109	ppbv	86
79) Naphthalene	13.523	128	1756	0.038	ppbv	95
80) Naphthalene,2-methyl-	14.478	142	903	0.063	ppbv #	77
81) 1,2,4-Trichlorobenzene	13.461	180	79	0.003	ppbv #	13

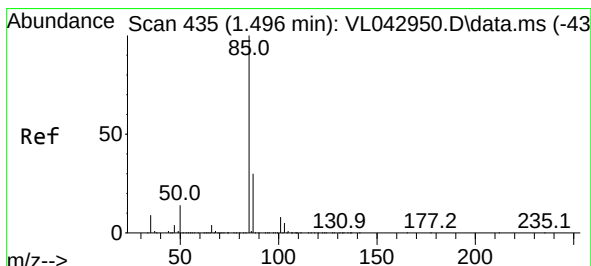
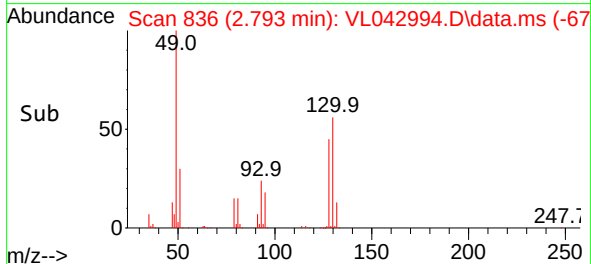
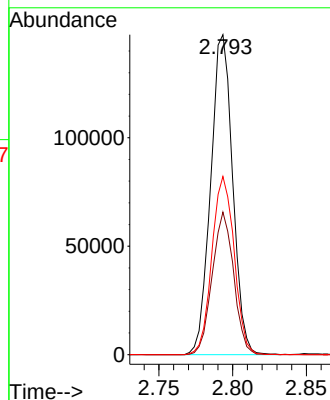
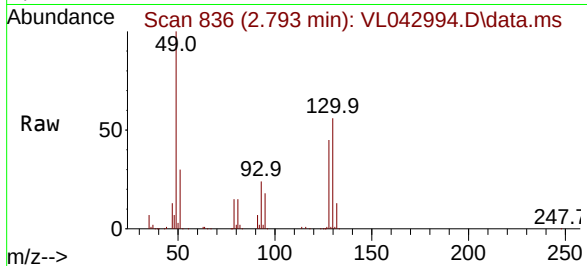
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

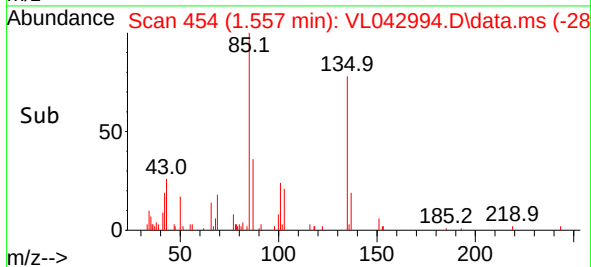
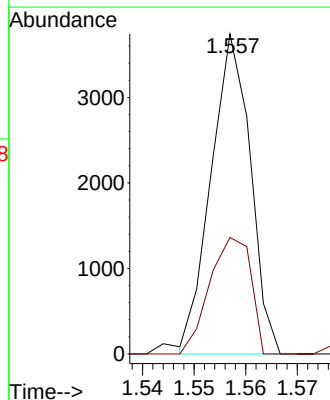
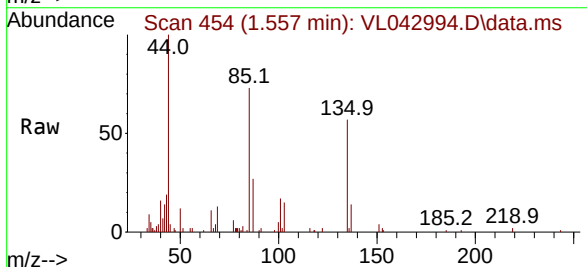
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MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

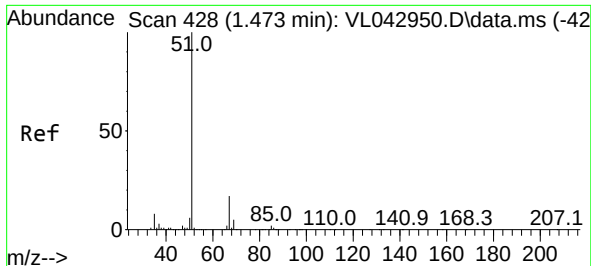
Tgt Ion: 49 Resp: 152715
Ion Ratio Lower Upper
49 100
128 43.5 22.9 68.8
130 56.5 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.096 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.061 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 85 Resp: 1980
Ion Ratio Lower Upper
85 100
87 36.4 24.3 36.5

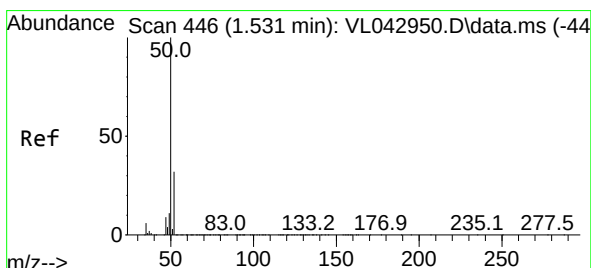
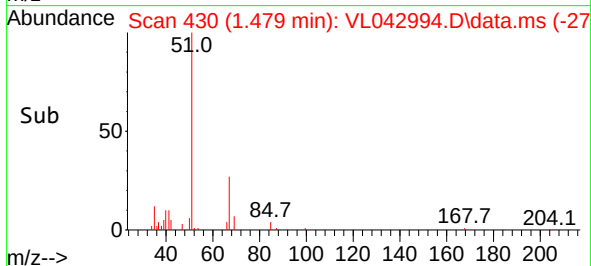
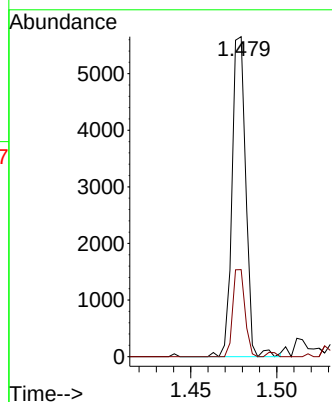
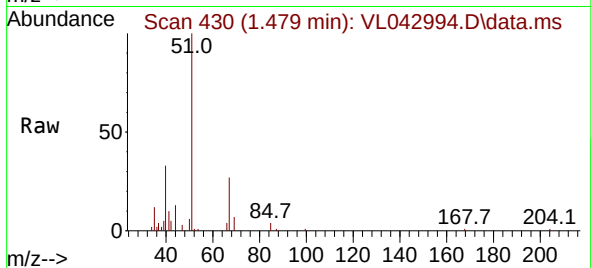




#3
Chlorodifluoromethane
Concen: 0.122 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

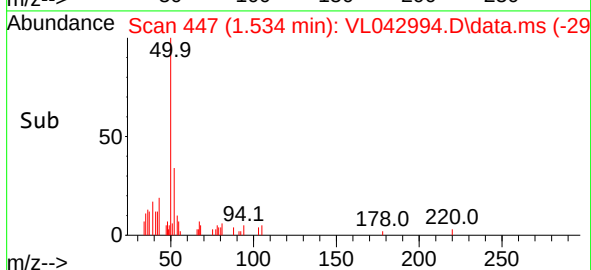
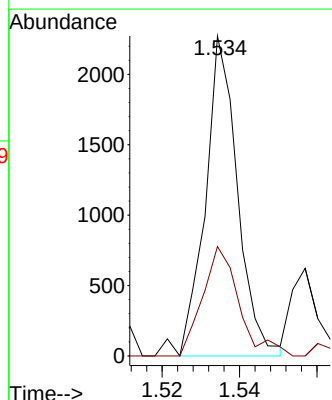
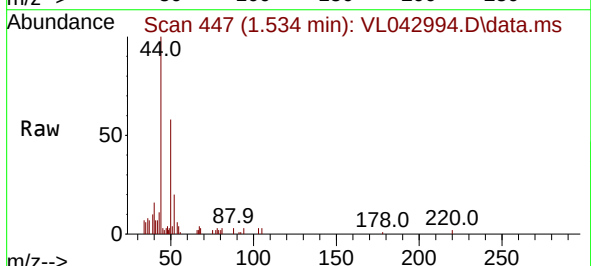
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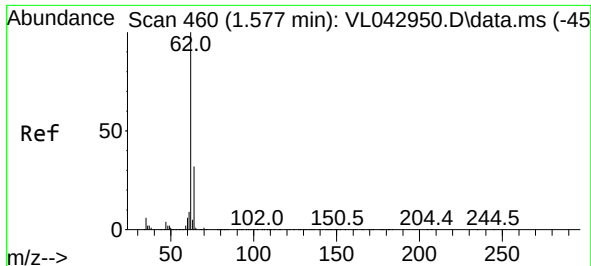
Tgt Ion: 51 Resp: 3130
Ion Ratio Lower Upper
51 100
67 24.9 13.8 20.8#



#4
Chloromethane
Concen: 0.140 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 50 Resp: 1303
Ion Ratio Lower Upper
50 100
52 35.3 25.9 38.9

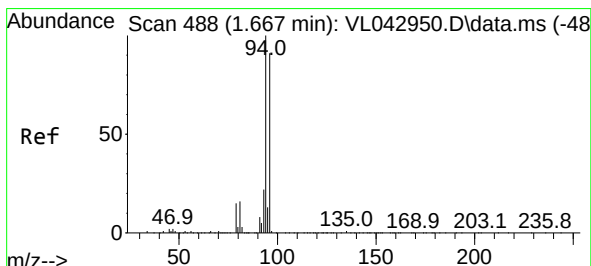
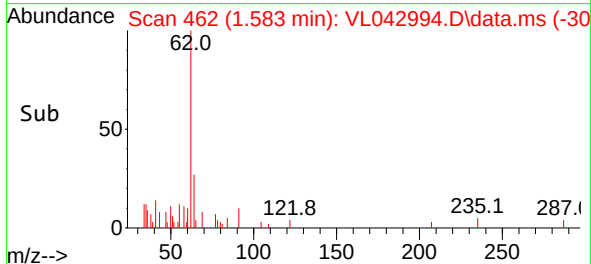
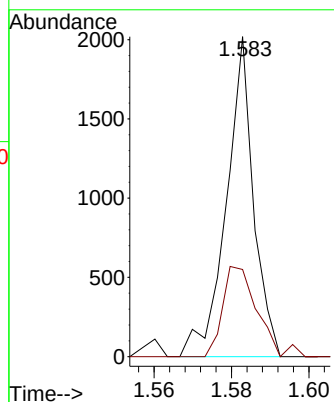
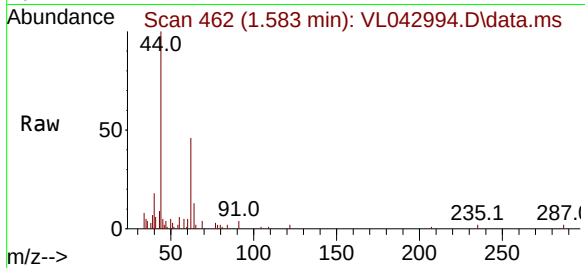




#5
 Vinyl Chloride
 Concen: 0.117 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

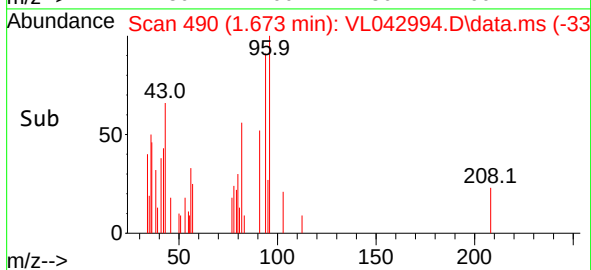
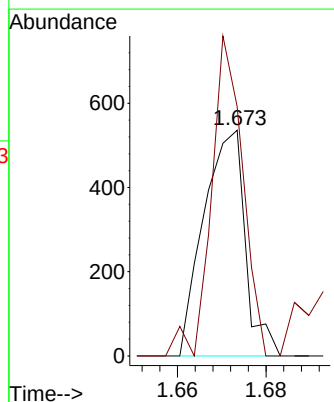
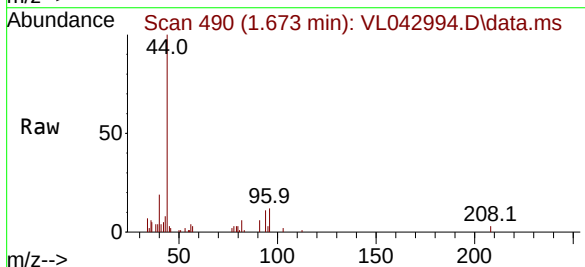
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT3-2025

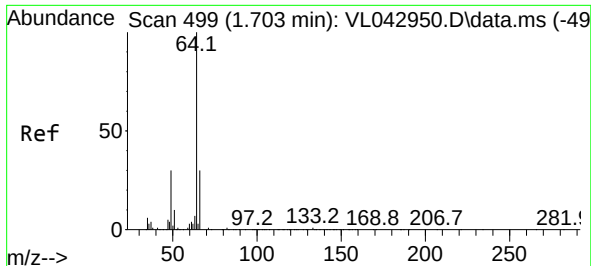
Tgt Ion: 62 Resp: 986
 Ion Ratio Lower Upper
 62 100
 64 27.2 25.4 38.2



#6
 Bromomethane
 Concen: 0.118 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion: 94 Resp: 349
 Ion Ratio Lower Upper
 94 100
 96 110.4 72.6 108.8#

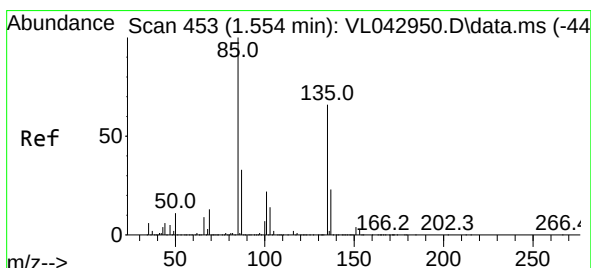
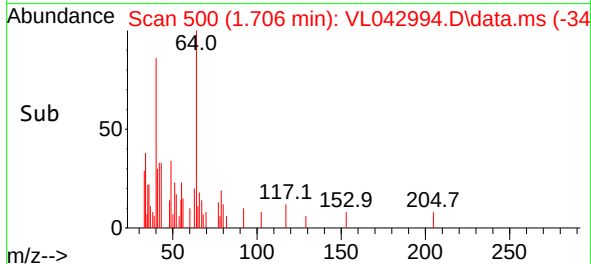
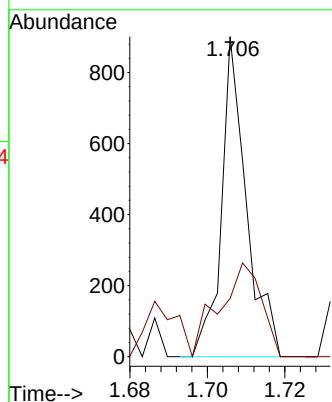
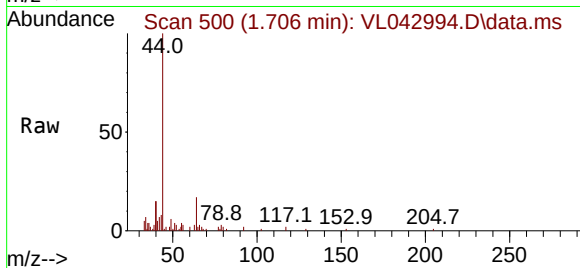




#7
Chloroethane
Concen: 0.123 ppbv
RT: 1.706 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

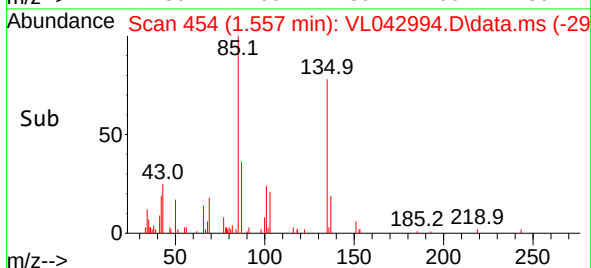
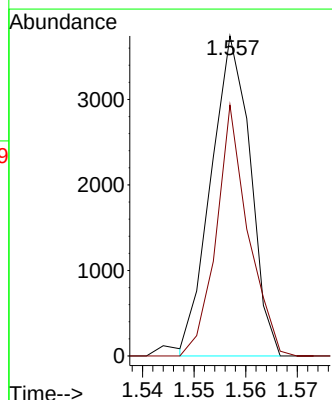
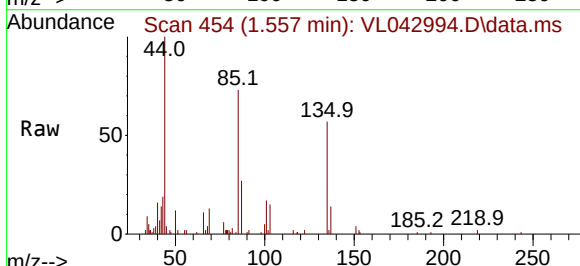
Instrument :
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LOQ-AIR-02-QT3-2025

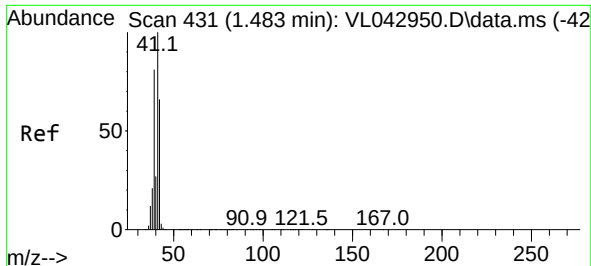
Tgt Ion: 64 Resp: 402
Ion Ratio Lower Upper
64 100
66 18.2 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.113 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 85 Resp: 1980
Ion Ratio Lower Upper
85 100
135 63.7 49.7 74.5





#9

Propene

Concen: 0.127 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

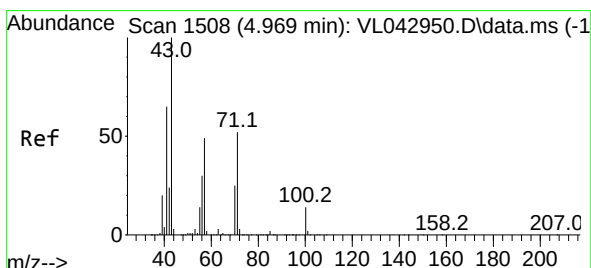
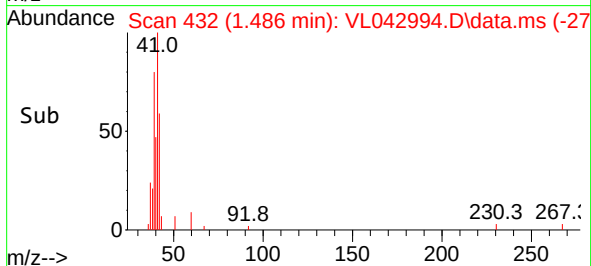
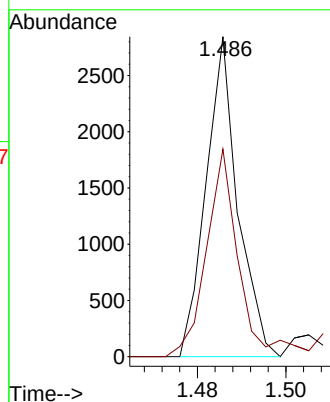
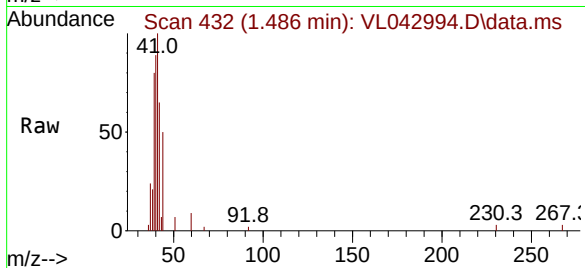
LOQ-AIR-02-QT3-2025

Tgt Ion: 41 Resp: 1415

Ion Ratio Lower Upper

41 100

42 65.4 57.4 86.2



#10

Heptane

Concen: 0.025 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL042994.D

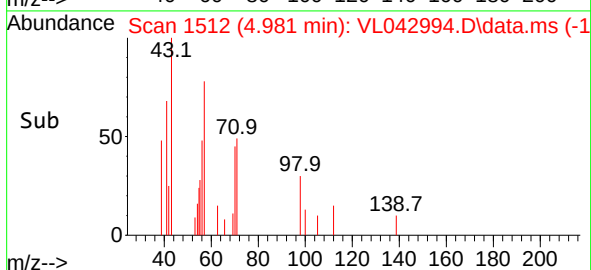
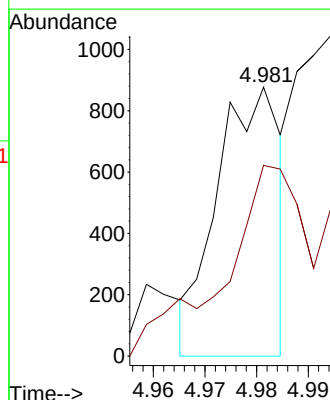
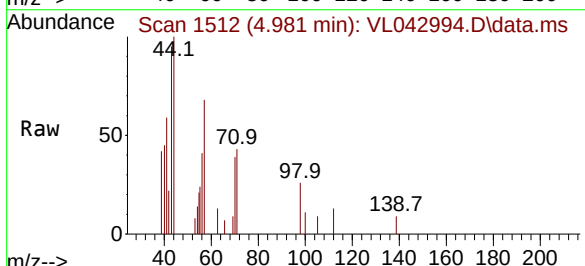
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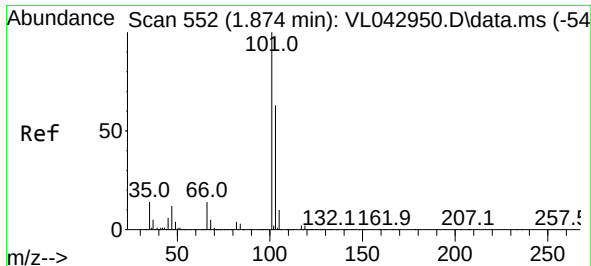
Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

57 155.9 38.6 57.8#

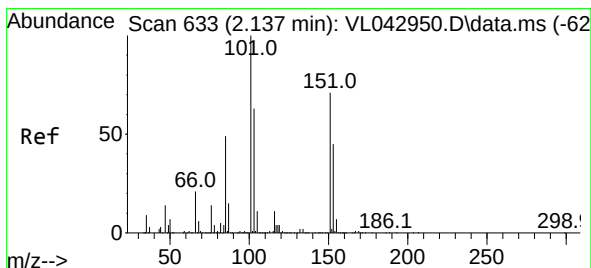
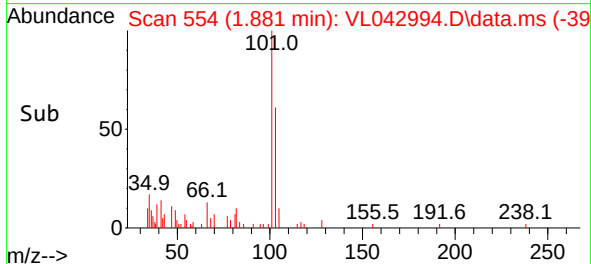
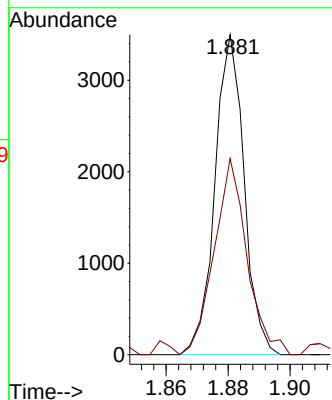
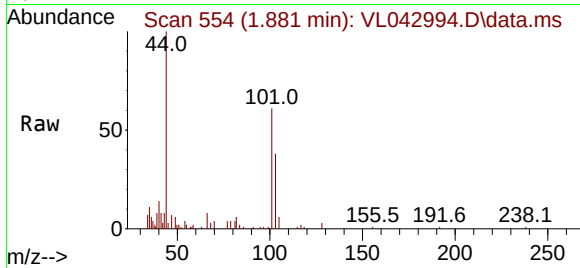




#11
 Trichlorofluoromethane
 Concen: 0.116 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

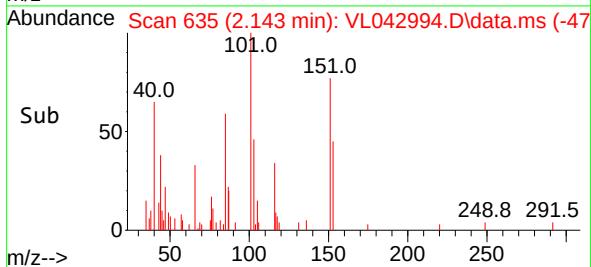
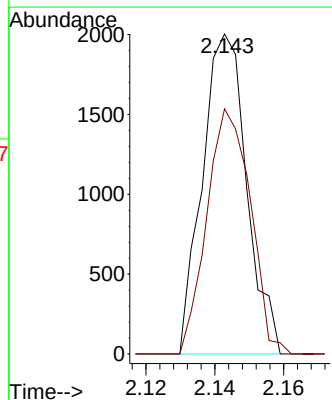
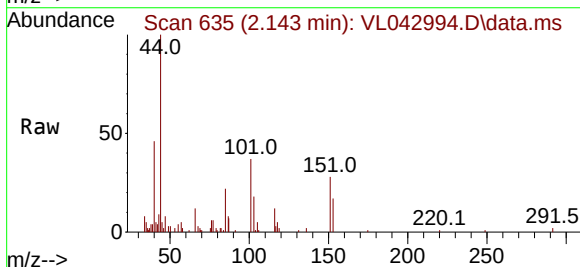
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

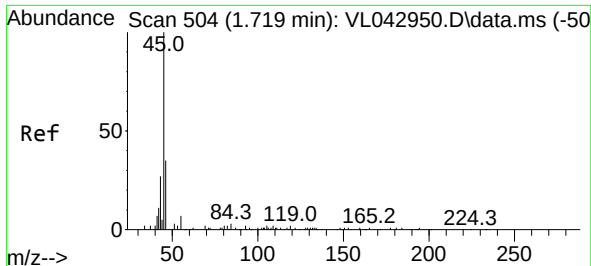
Tgt Ion:101 Resp: 2289
 Ion Ratio Lower Upper
 101 100
 103 61.3 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.112 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion:101 Resp: 1789
 Ion Ratio Lower Upper
 101 100
 151 75.4 55.7 83.5

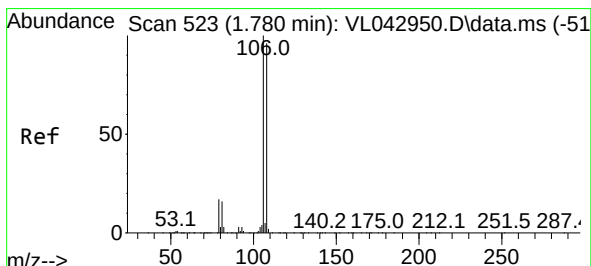
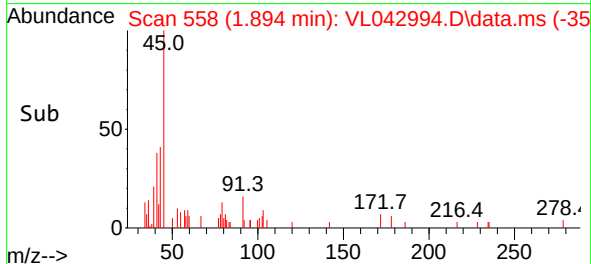
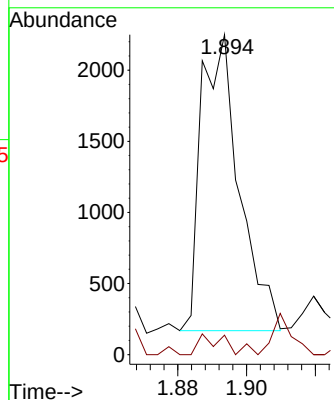
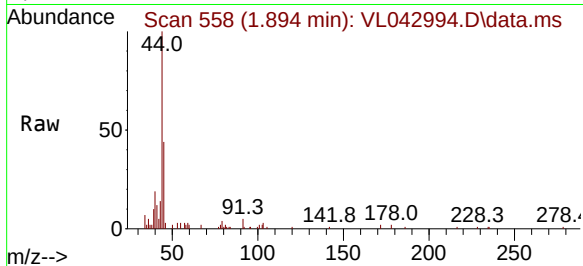




#13
 Ethanol
 Concen: 1.488 ppbv
 RT: 1.894 min Scan# 51
 Delta R.T. 0.175 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

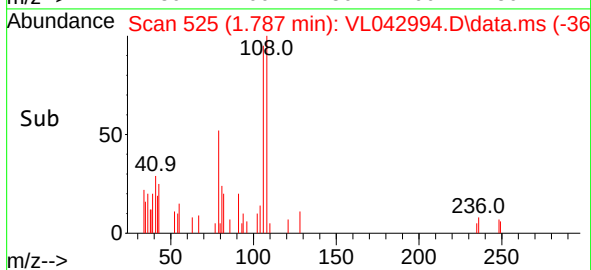
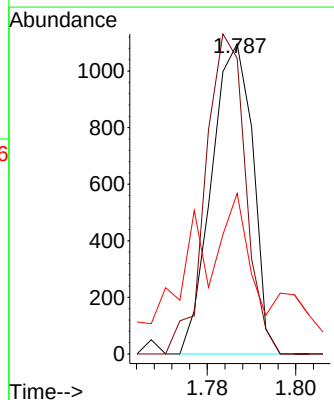
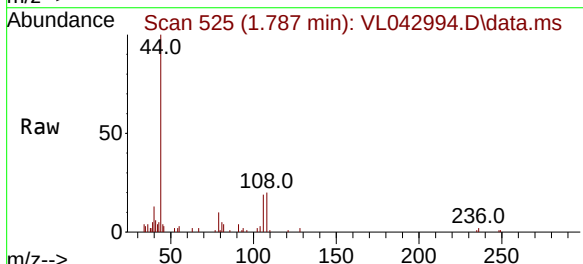
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

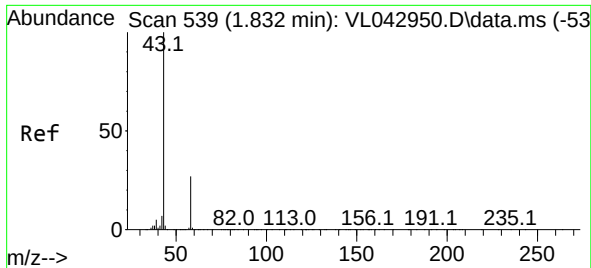
Tgt Ion: 45 Resp: 1608
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.2 64.6#



#14
 Bromoethene
 Concen: 0.117 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion: 108 Resp: 711
 Ion Ratio Lower Upper
 108 100
 106 99.6 86.0 129.0
 79 114.5 14.2 21.2#





#15

Acetone

Concen: 0.175 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

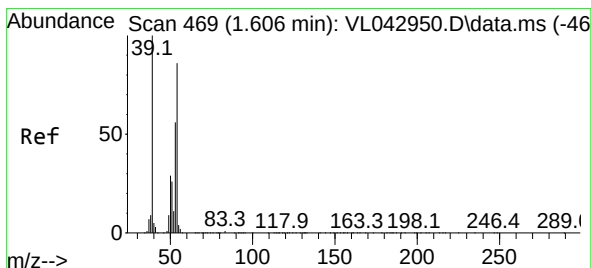
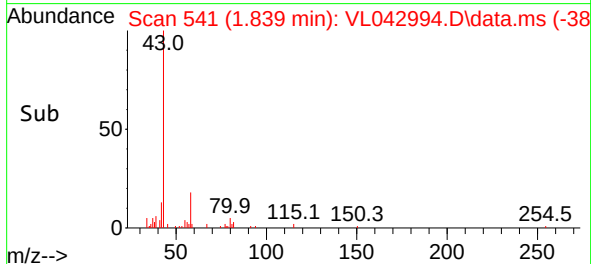
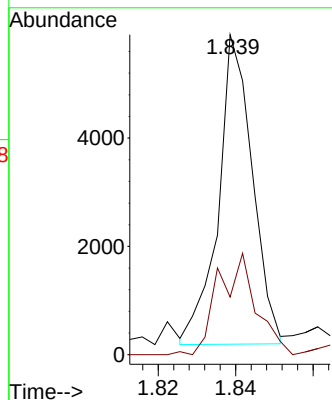
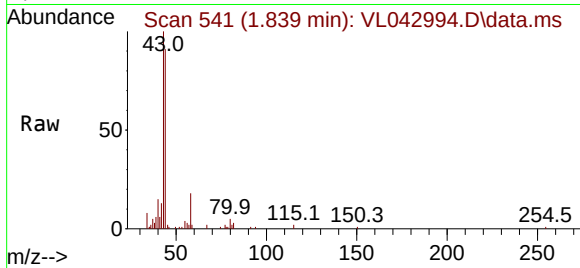
LOQ-AIR-02-QT3-2025

Tgt Ion: 43 Resp: 3483

Ion Ratio Lower Upper

43 100

58 38.4 22.3 33.5#



#16

1,3-Butadiene

Concen: 0.184 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.006 min

Lab File: VL042994.D

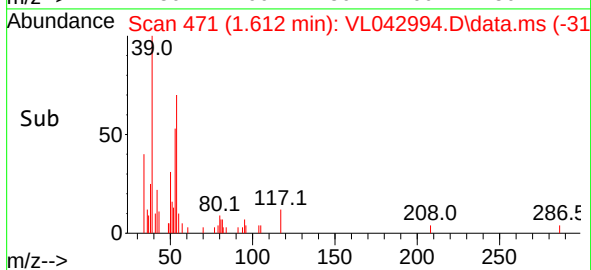
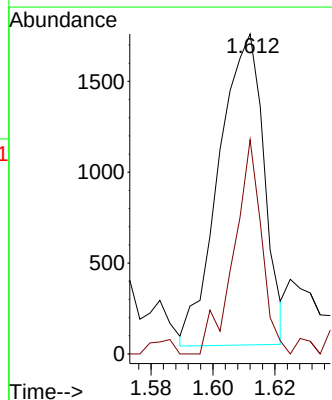
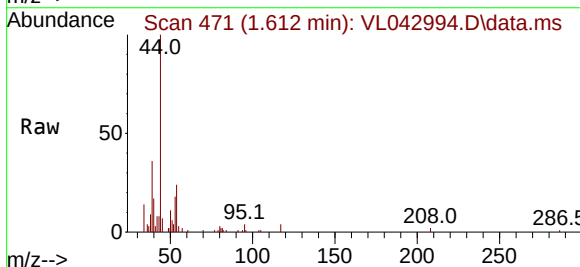
Acq: 23 Sep 2025 16:25

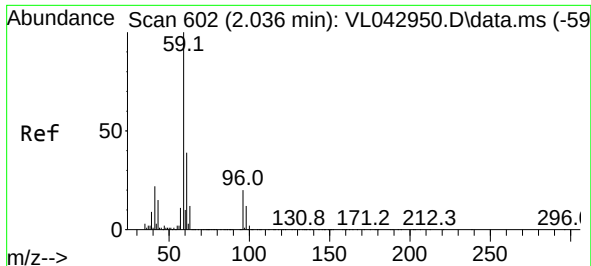
Tgt Ion: 39 Resp: 1731

Ion Ratio Lower Upper

39 100

54 46.2 60.8 91.2#

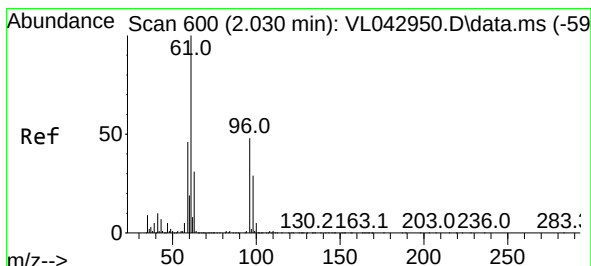
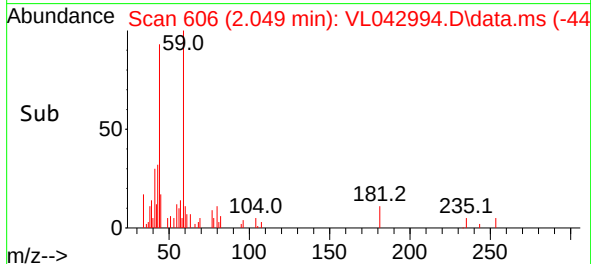
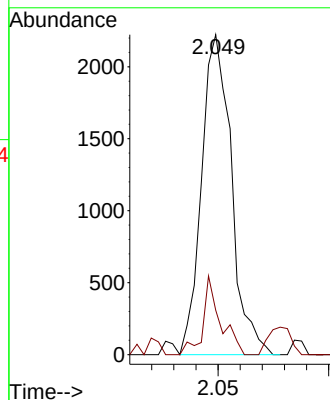
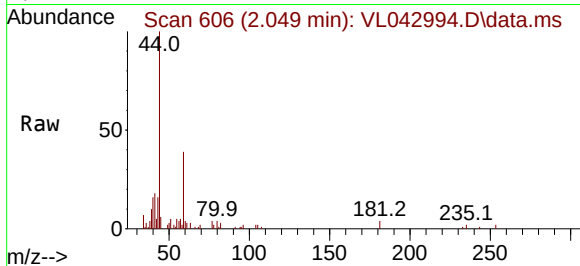




#17
tert-Butyl alcohol
Concen: 0.095 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

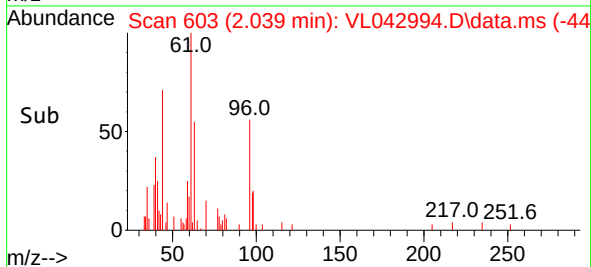
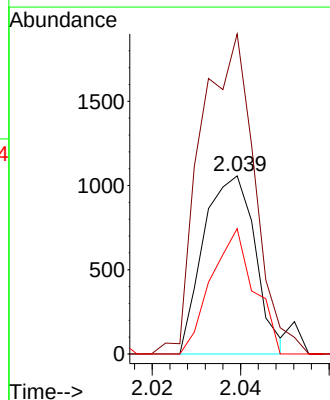
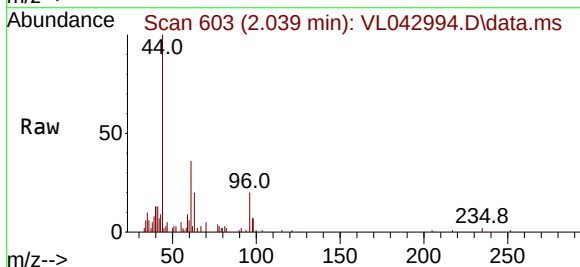
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

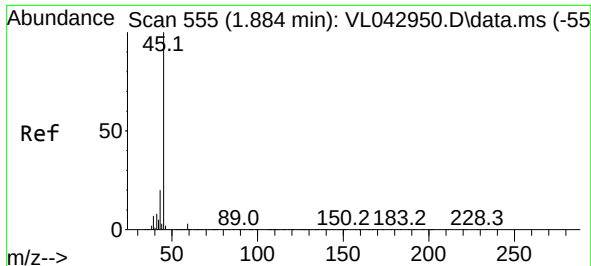
Tgt Ion: 59 Resp: 2078
Ion Ratio Lower Upper
59 100
57 22.9 8.6 12.8#



#18
1,1-Dichloroethene
Concen: 0.115 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.010 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 96 Resp: 855
Ion Ratio Lower Upper
96 100
61 168.6 166.2 249.4
98 70.4 48.6 73.0

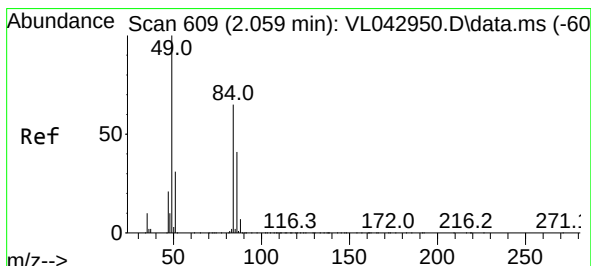
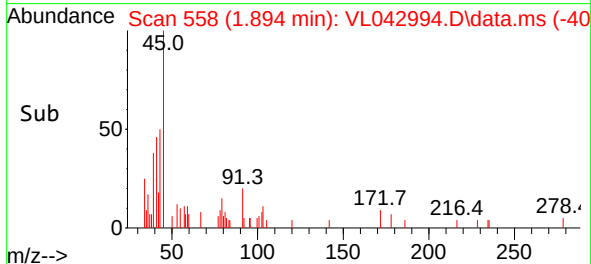
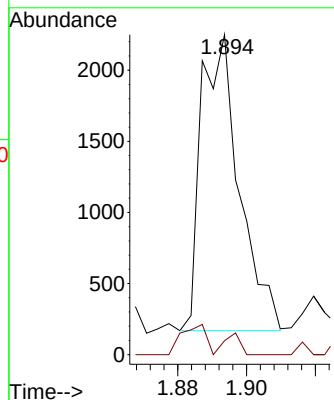
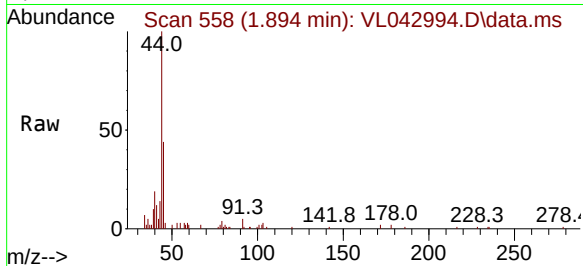




#19
Isopropyl Alcohol
Concen: 0.134 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

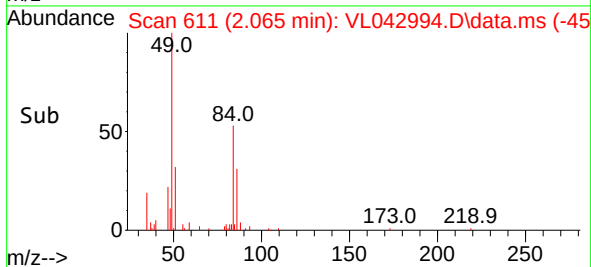
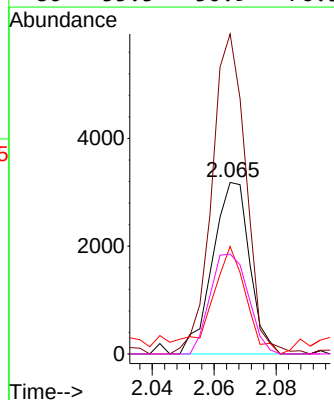
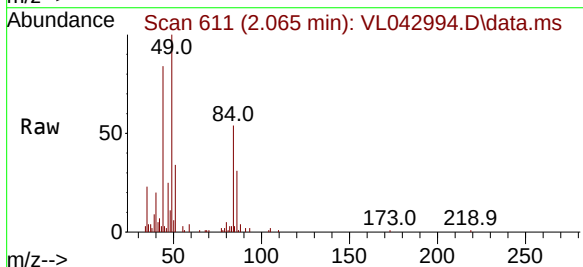
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

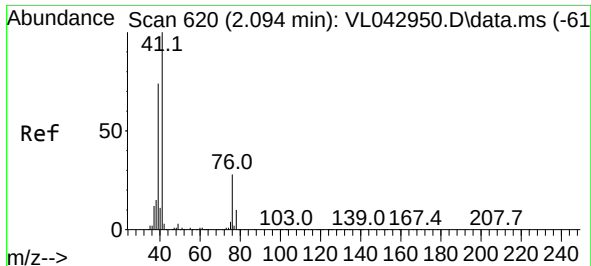
Tgt Ion: 45 Resp: 1608
Ion Ratio Lower Upper
45 100
58 9.5 31.0 46.6#



#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 84 Resp: 2639
Ion Ratio Lower Upper
84 100
49 174.6 124.1 186.1
51 59.8 39.8 59.8#
86 55.5 50.9 76.3

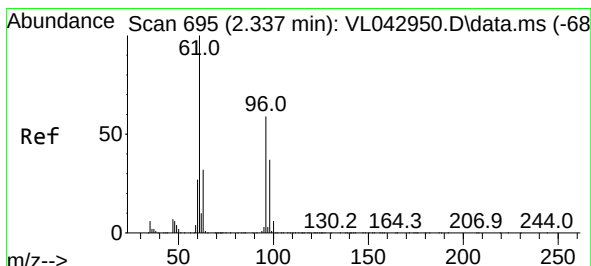
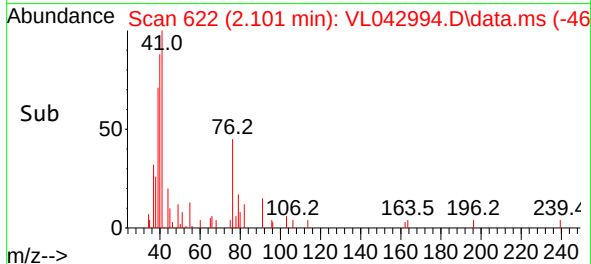
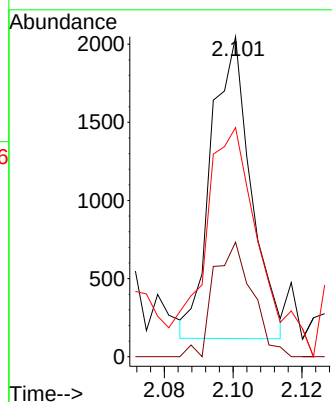
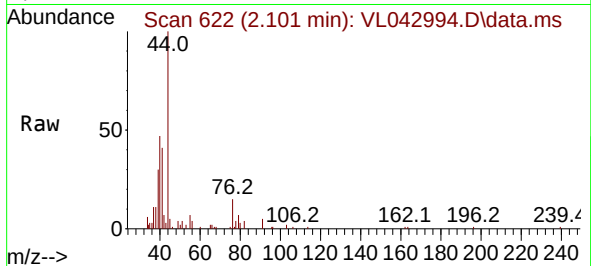




#21
 Allyl Chloride
 Concen: 0.111 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

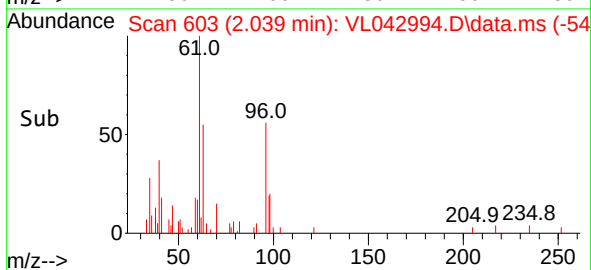
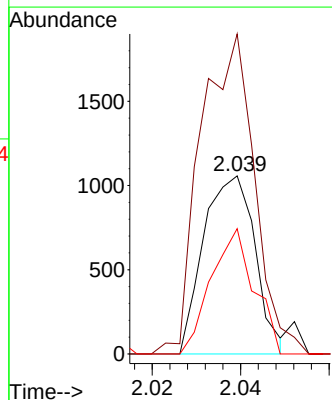
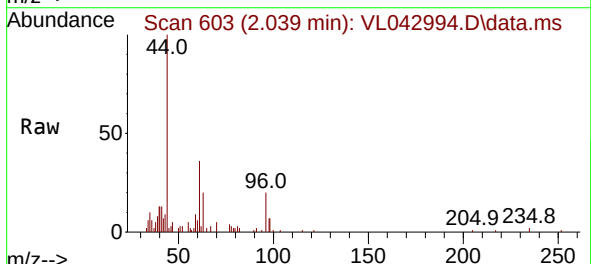
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

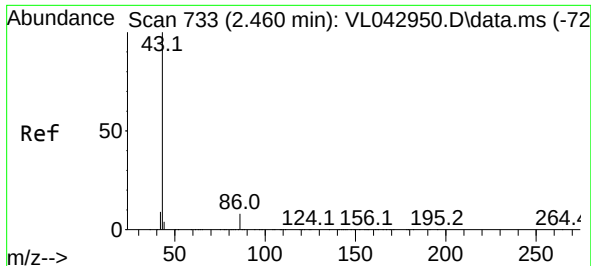
Tgt Ion: 41 Resp: 1542
 Ion Ratio Lower Upper
 41 100
 76 37.0 22.3 33.5#
 39 109.5 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.101 ppbv
 RT: 2.039 min Scan# 603
 Delta R.T. -0.298 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion: 96 Resp: 855
 Ion Ratio Lower Upper
 96 100
 61 168.6 136.5 204.7
 98 70.4 50.6 76.0

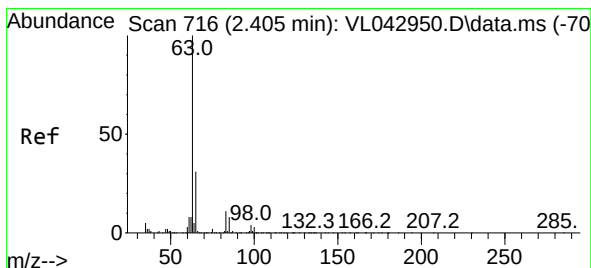
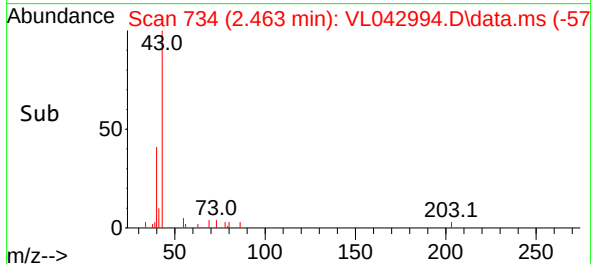
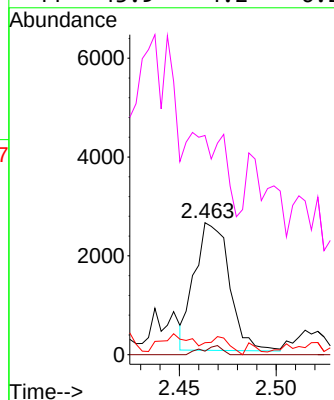
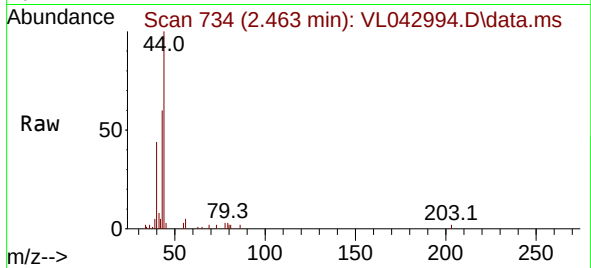




#23
 Vinyl Acetate
 Concen: 0.114 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

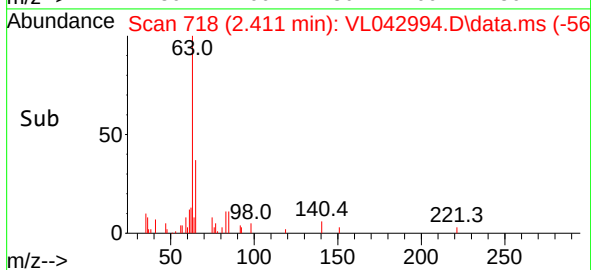
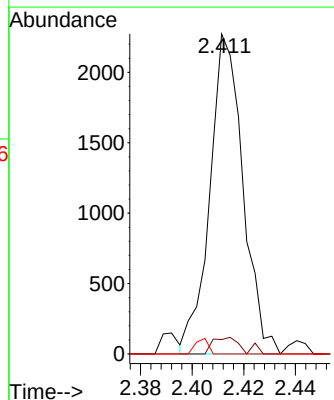
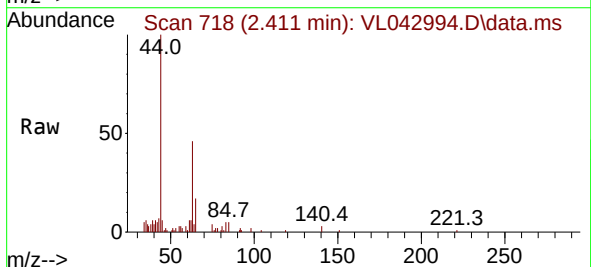
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

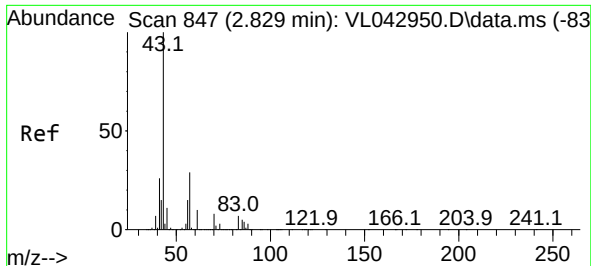
Tgt Ion:	43	Resp:	3236
Ion	Ratio	Lower	Upper
43	100		
86	2.8	6.2	9.2#
42	5.7	7.4	11.0#
44	43.9	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.122 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion:	63	Resp:	2025
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	0.0	1.4	4.0#

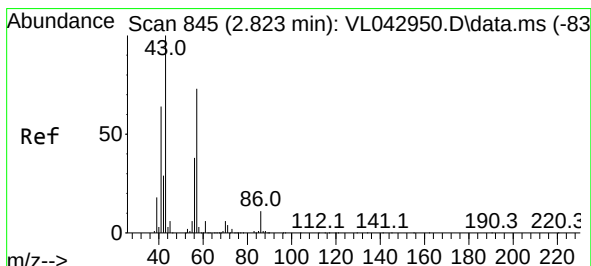
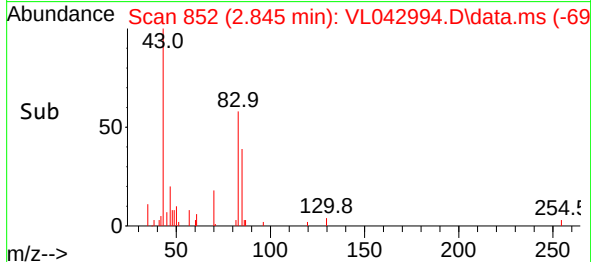
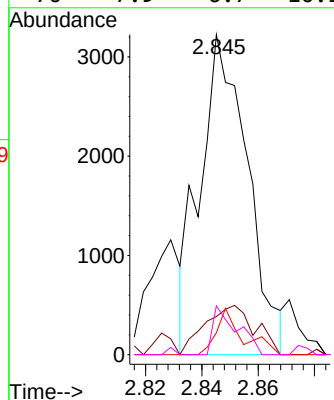
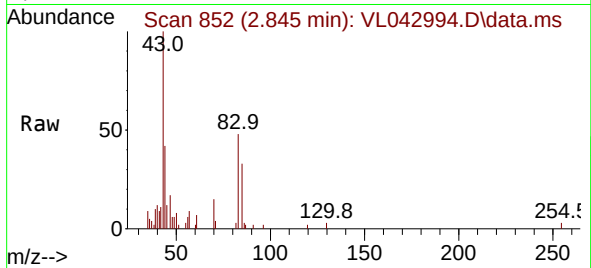




#25
Ethyl Acetate
Concen: 0.075 ppbv
RT: 2.845 min Scan# 845
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

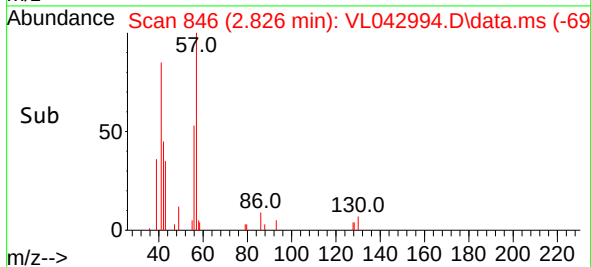
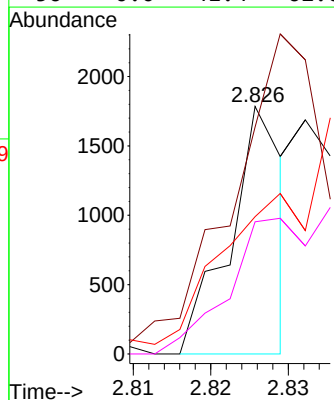
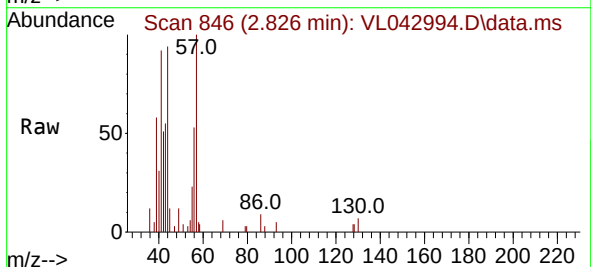
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

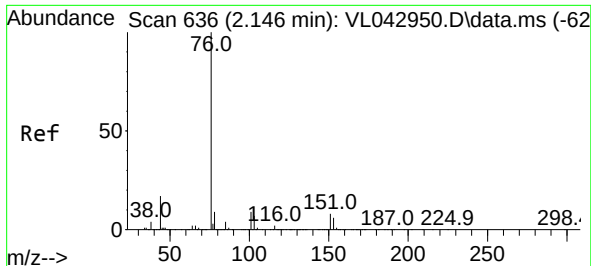
Tgt Ion: 43	Resp: 3763
Ion Ratio	Lower Upper
43 100	
45 20.4	7.7 11.5#
61 7.9	7.1 10.7
70 7.9	6.7 10.1



#26
Hexane
Concen: 0.038 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 57	Resp: 862
Ion Ratio	Lower Upper
57 100	
41 273.3	71.7 107.5#
43 0.0	180.8 271.2#
56 0.0	41.4 62.0#





#27

Carbon Disulfide

Concen: 0.087 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

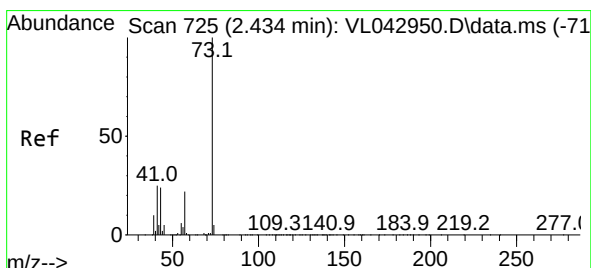
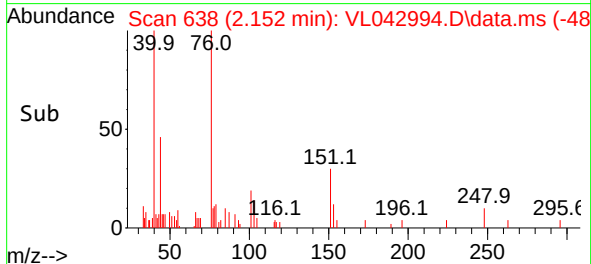
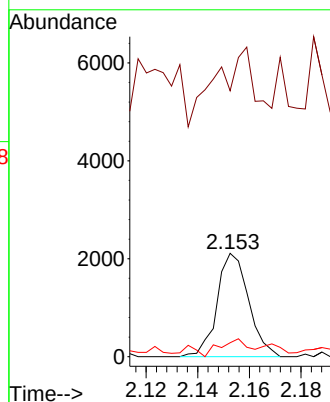
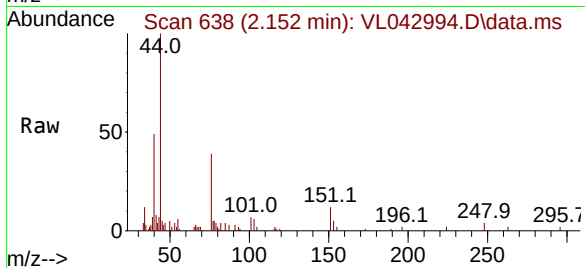
Tgt Ion: 76 Resp: 1790

Ion Ratio Lower Upper

76 100

44 329.3 15.6 23.4#

78 28.9 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.033 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.006 min

Lab File: VL042994.D

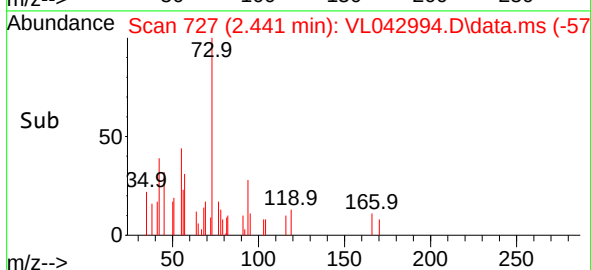
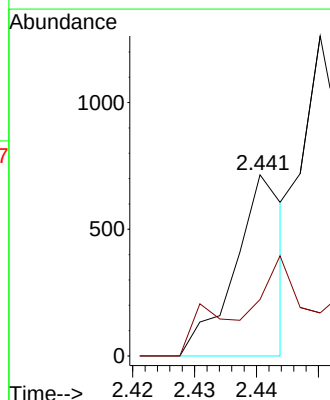
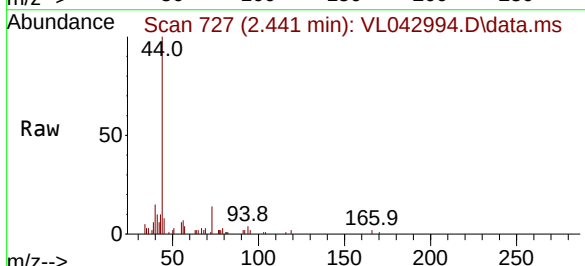
Acq: 23 Sep 2025 16:25

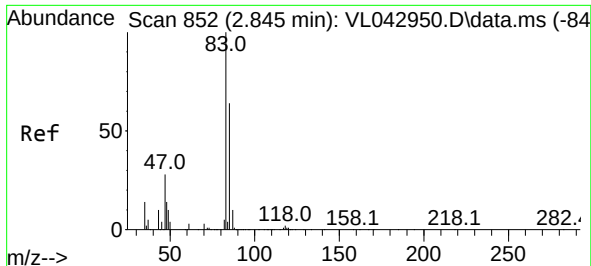
Tgt Ion: 73 Resp: 393

Ion Ratio Lower Upper

73 100

57 102.5 20.6 31.0#





#29

Chloroform

Concen: 0.075 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

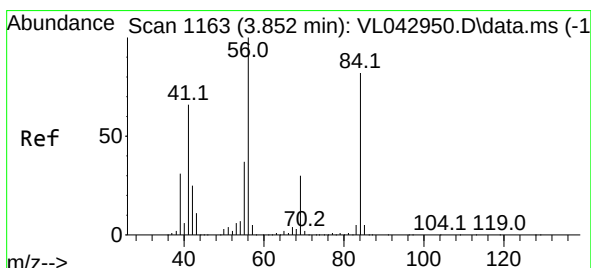
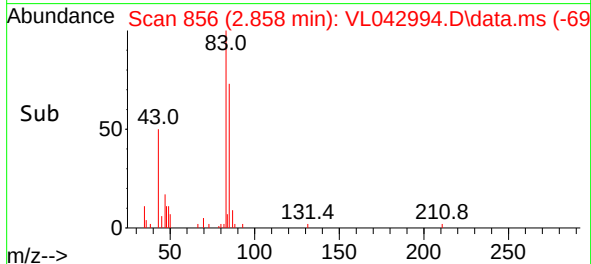
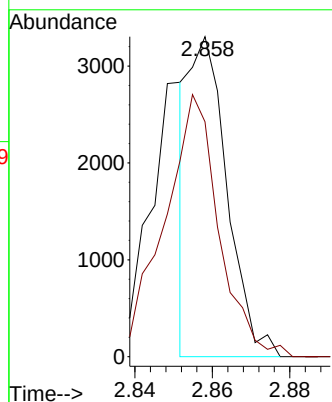
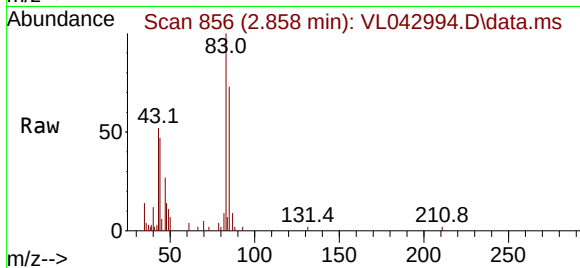
LOQ-AIR-02-QT3-2025

Tgt Ion: 83 Resp: 2246

Ion Ratio Lower Upper

83 100

85 69.9 51.2 76.8



#30

Cyclohexane

Concen: 0.048 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

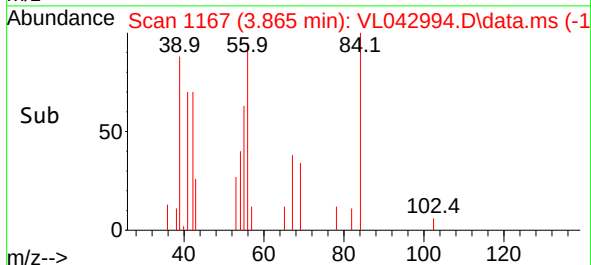
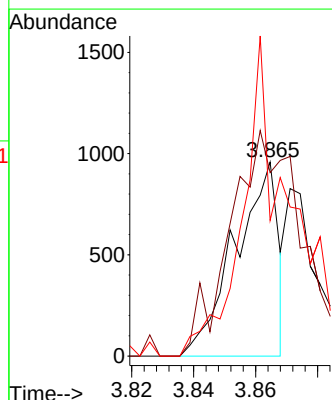
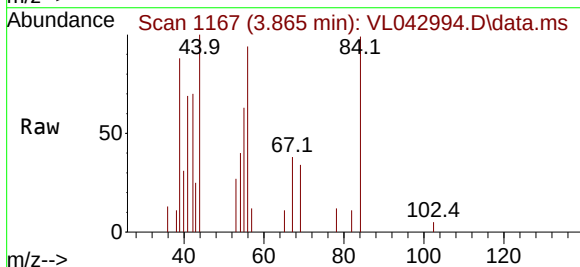
Tgt Ion: 84 Resp: 922

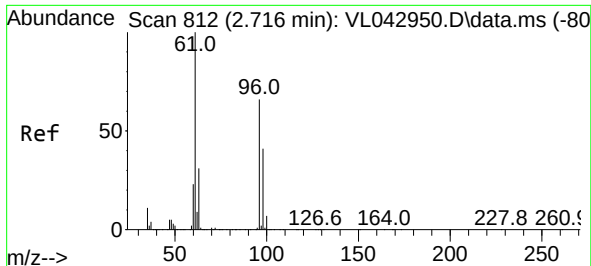
Ion Ratio Lower Upper

84 100

56 193.6 102.2 153.4#

41 180.2 65.6 98.4#

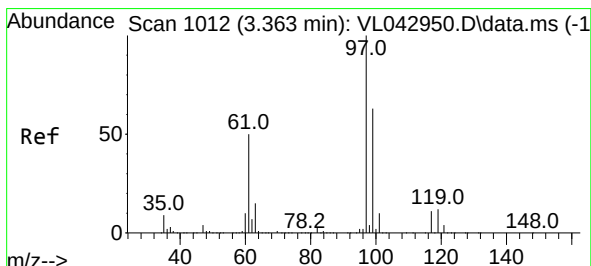
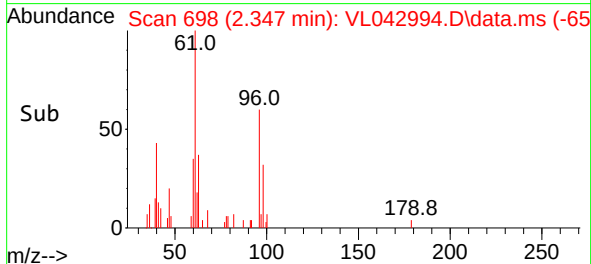
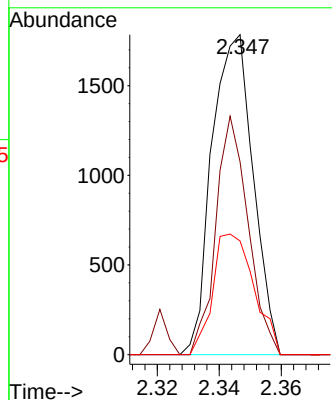
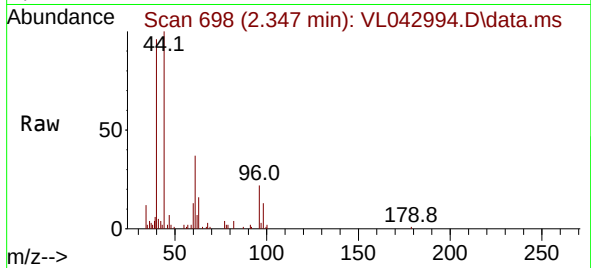




#31
 cis-1,2-Dichloroethene
 Concen: 0.077 ppbv
 RT: 2.347 min Scan# 61
 Delta R.T. -0.369 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

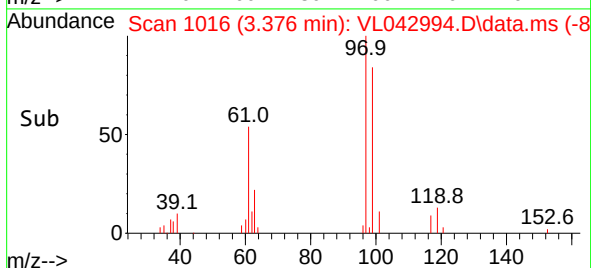
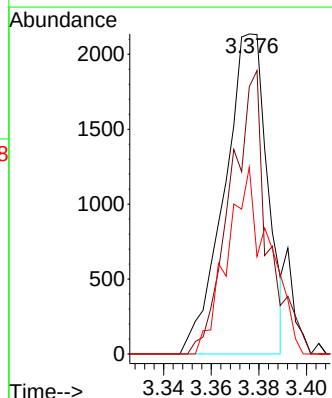
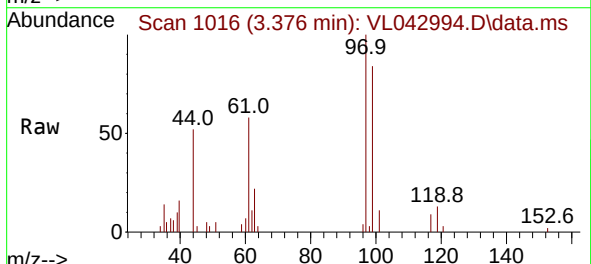
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

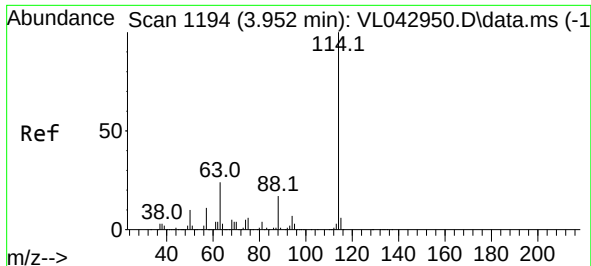
Tgt Ion:	61	Resp:	1653
Ion	Ratio	Lower	Upper
61	100		
96	60.3	53.0	79.6
98	35.5	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.083 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.013 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion:	97	Resp:	2686
Ion	Ratio	Lower	Upper
97	100		
99	77.3	51.1	76.7#
61	56.7	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.016 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

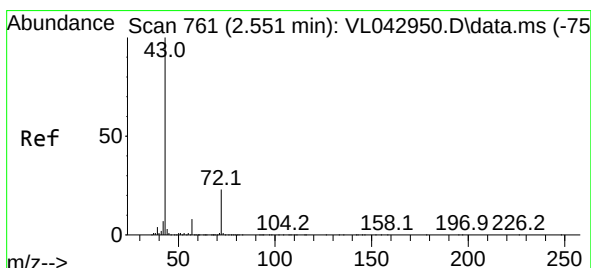
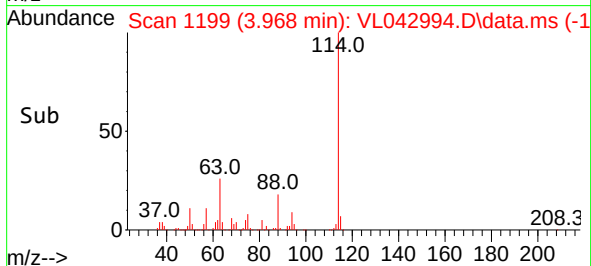
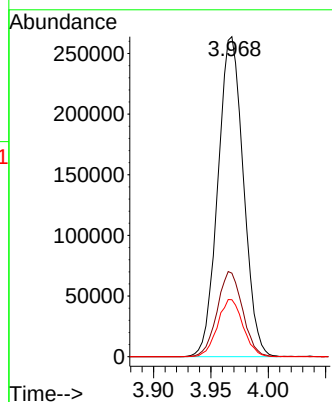
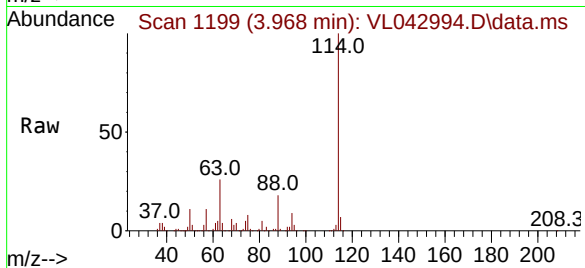
Tgt Ion:114 Resp: 407488

Ion Ratio Lower Upper

114 100

63 26.6 19.4 29.2

88 17.9 14.2 21.2



#34

2-Butanone

Concen: 0.126 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL042994.D

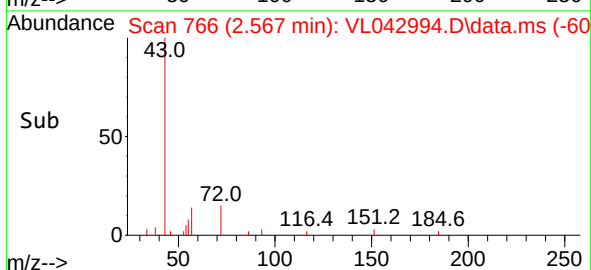
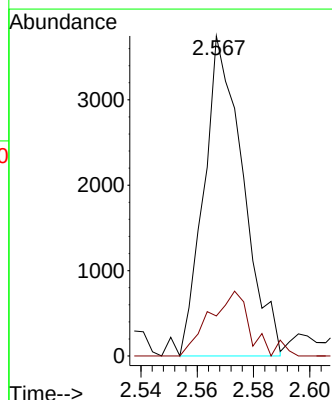
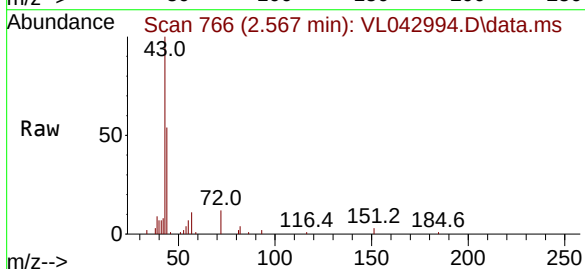
Acq: 23 Sep 2025 16:25

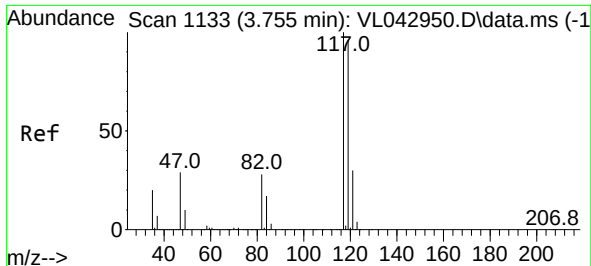
Tgt Ion: 43 Resp: 3608

Ion Ratio Lower Upper

43 100

72 21.5 17.7 26.5

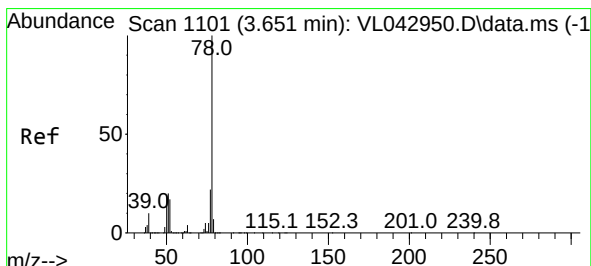
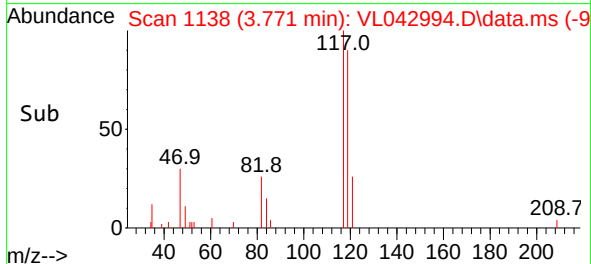
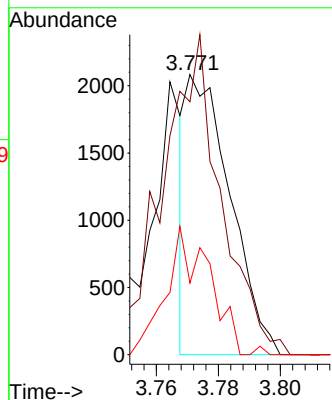
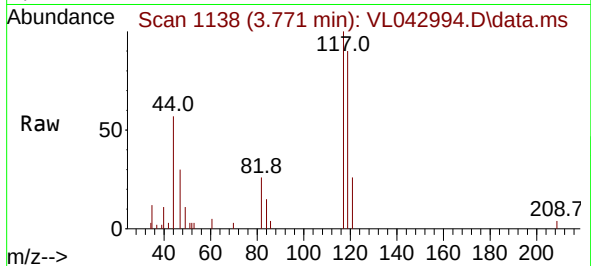




#35
Carbon Tetrachloride
Concen: 0.077 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

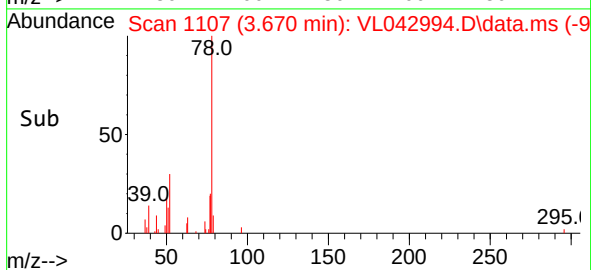
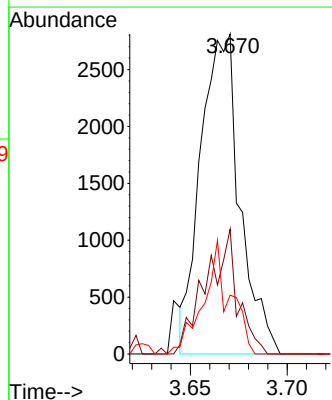
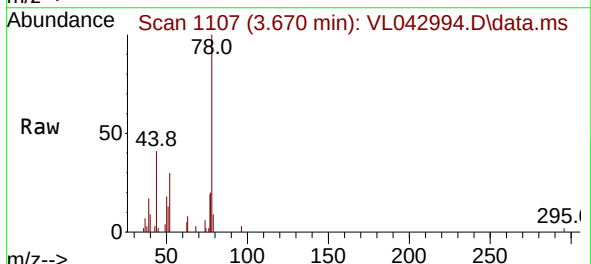
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

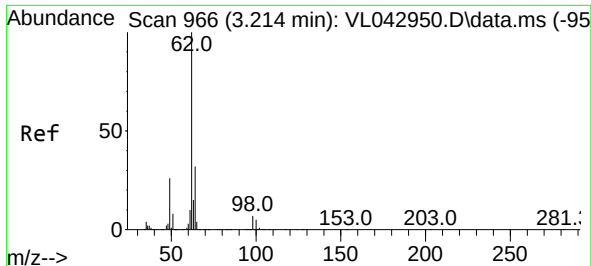
Tgt Ion:117 Resp: 2046
Ion Ratio Lower Upper
117 100
119 84.9 76.9 115.3
121 25.6 23.7 35.5



#36
Benzene
Concen: 0.104 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. 0.019 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 78 Resp: 3966
Ion Ratio Lower Upper
78 100
77 39.0 17.8 26.6#
50 18.4 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.082 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

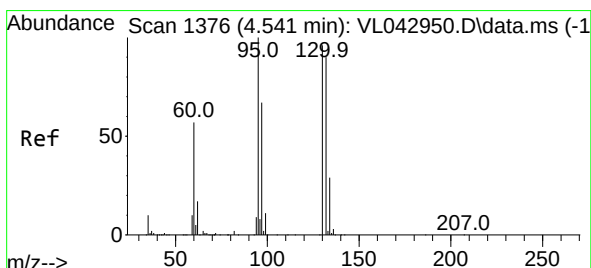
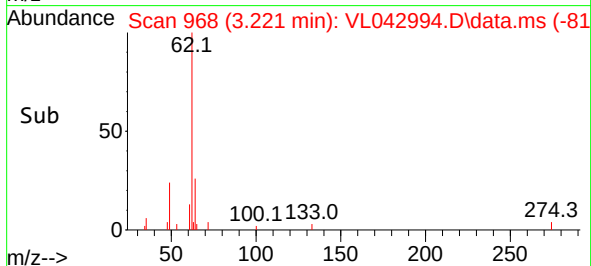
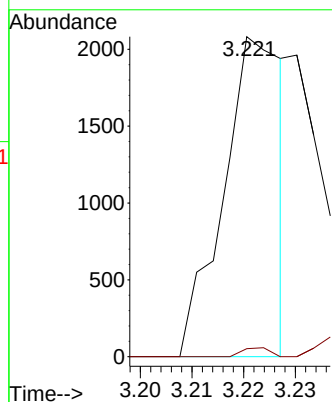
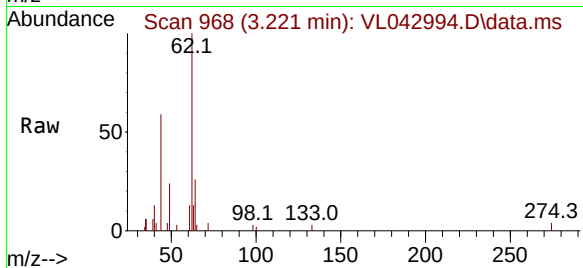
LOQ-AIR-02-QT3-2025

Tgt Ion: 62 Resp: 1648

Ion Ratio Lower Upper

62 100

98 0.0 5.9 8.9#



#38

Trichloroethene

Concen: 0.089 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Tgt Ion:130 Resp: 1690

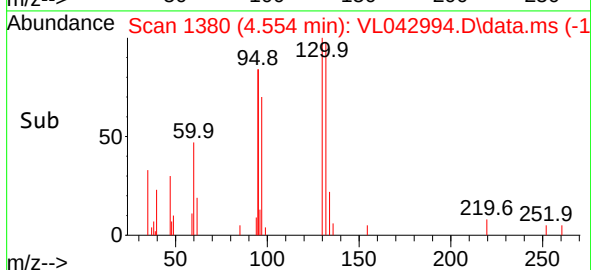
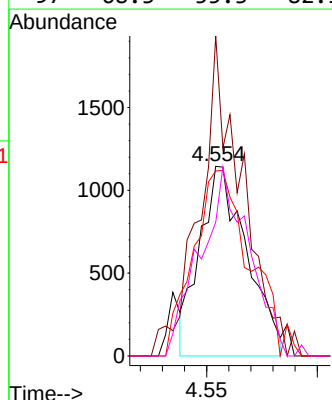
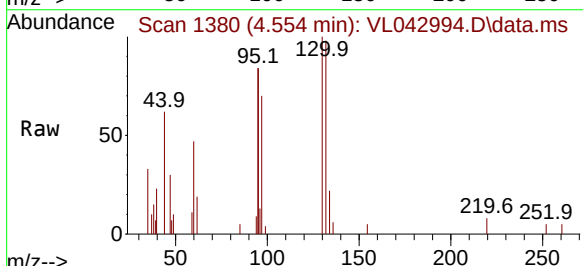
Ion Ratio Lower Upper

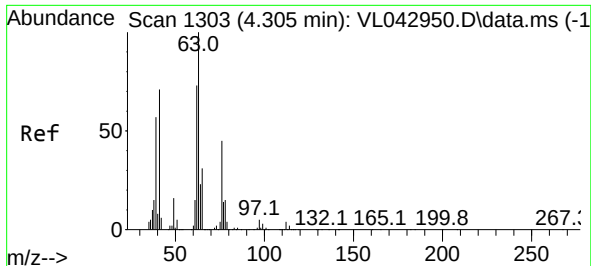
130 100

95 164.0 83.0 124.4#

132 108.0 74.6 112.0

97 68.3 55.3 82.9





#39

1,2-Dichloropropane

Concen: 7.732 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.340 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

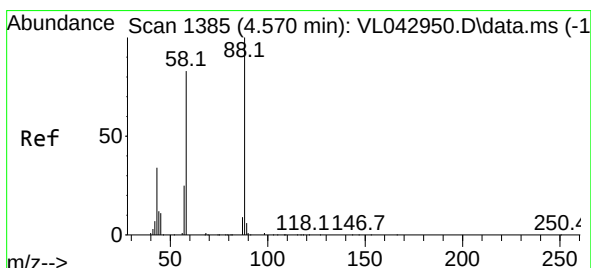
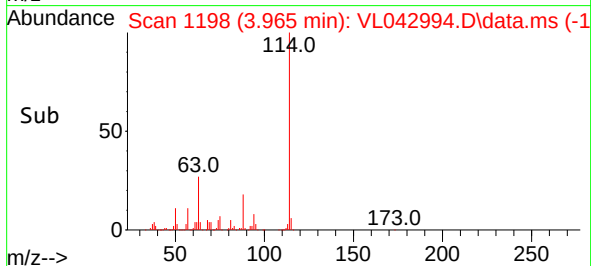
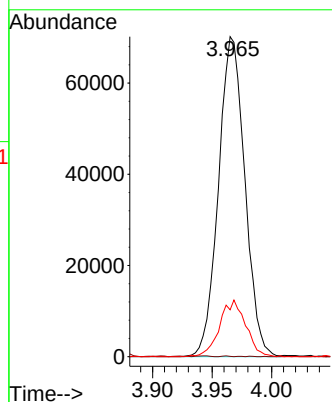
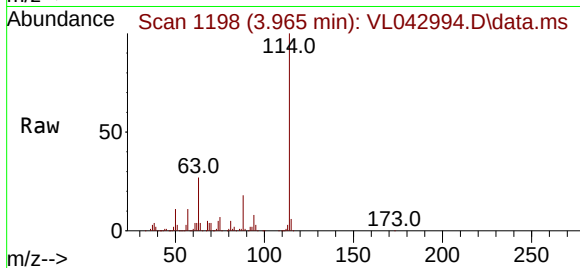
Tgt Ion: 63 Resp: 108015

Ion Ratio Lower Upper

63 100

41 0.1 57.5 86.3#

62 14.7 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.029 ppbv

RT: 4.619 min Scan# 1400

Delta R.T. 0.048 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Tgt Ion: 88 Resp: 190

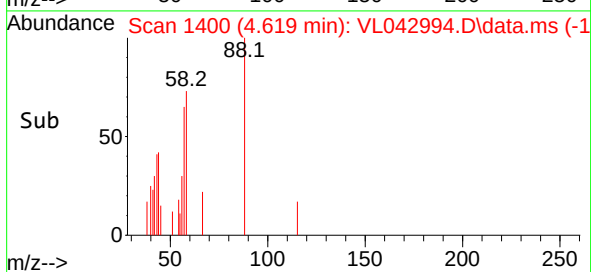
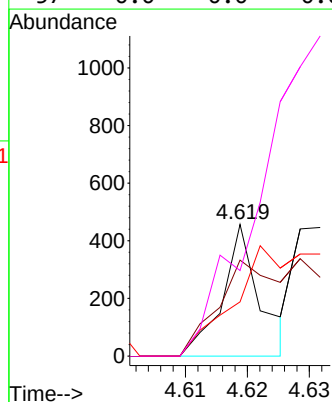
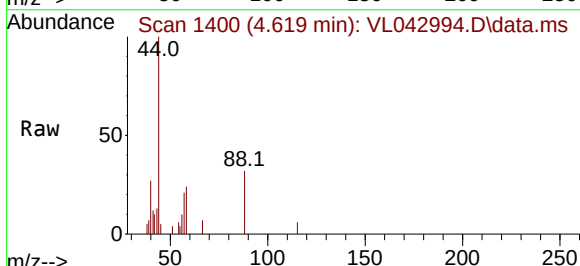
Ion Ratio Lower Upper

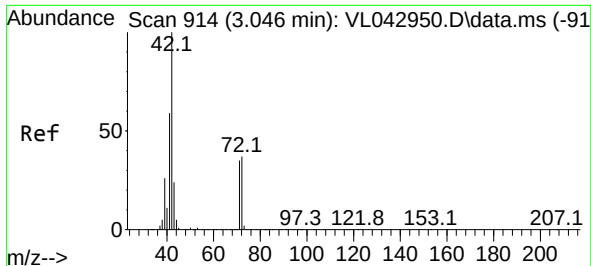
88 100

58 27.9 59.7 89.5#

43 46.8 28.9 43.3#

57 0.0 0.0 0.0

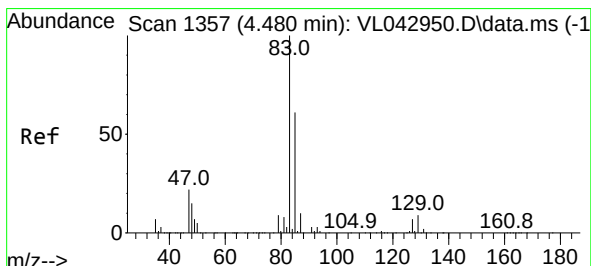
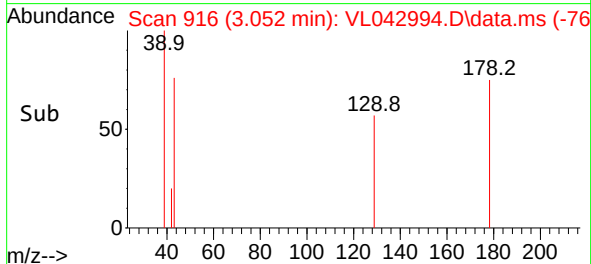
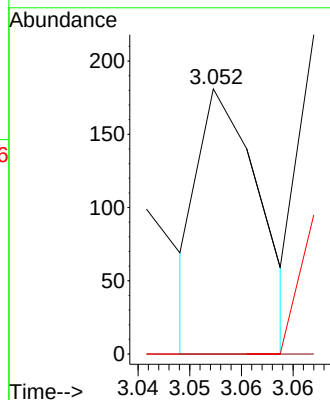
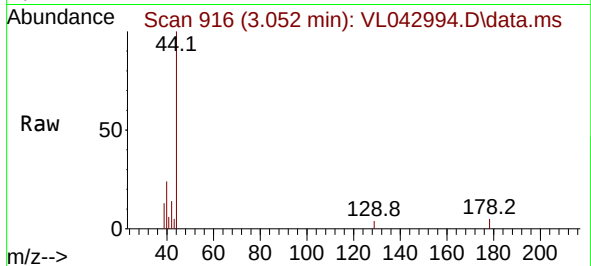




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

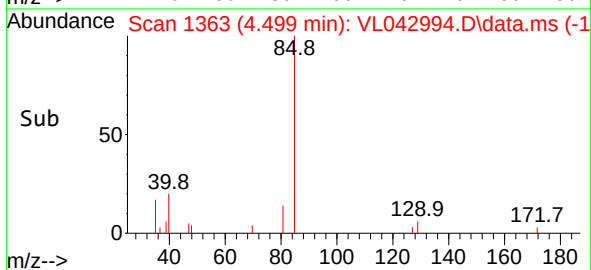
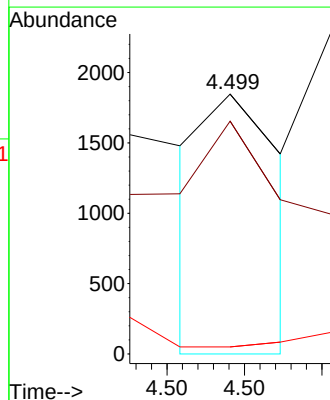
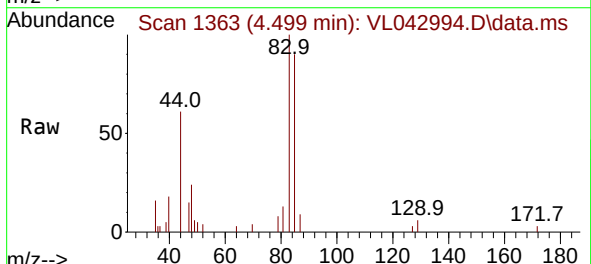
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

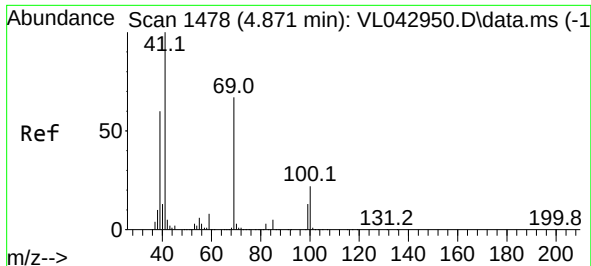
Tgt Ion:	42	Resp:	74
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.8	43.2#



#42
Bromodichloromethane
Concen: 0.023 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.019 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion:	83	Resp:	634
Ion	Ratio	Lower	Upper
83	100		
85	131.3	49.0	73.6#
127	0.0	5.3	7.9#

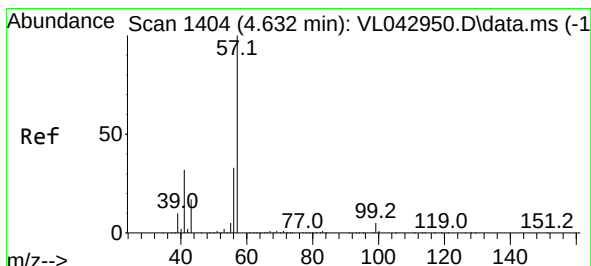
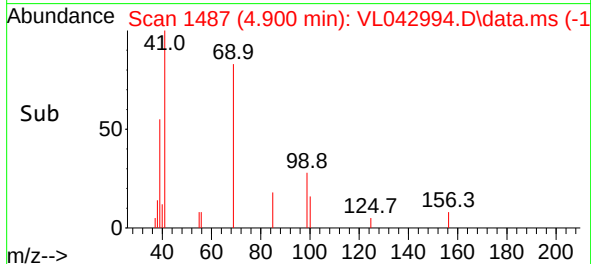
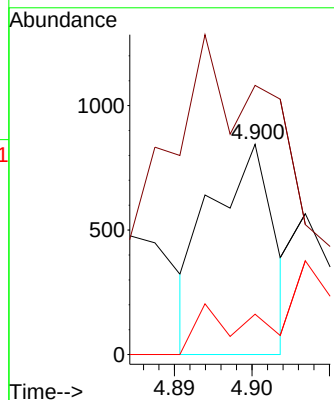
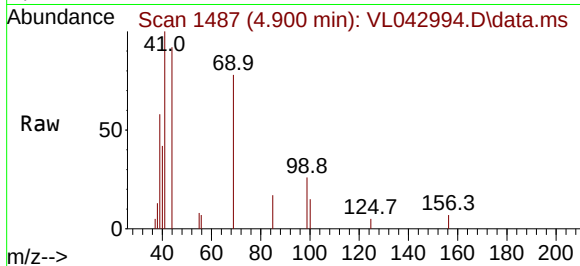




#43
Methyl Methacrylate
Concen: 0.031 ppbv
RT: 4.900 min Scan# 1478
Delta R.T. 0.029 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

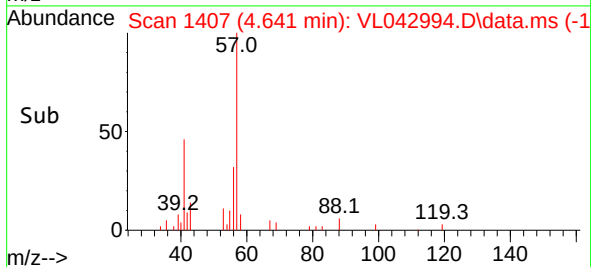
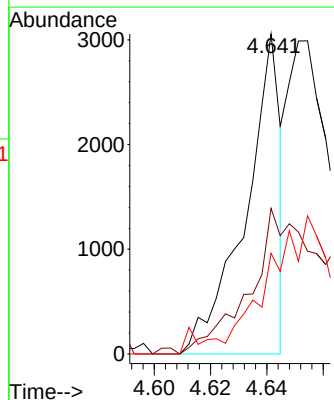
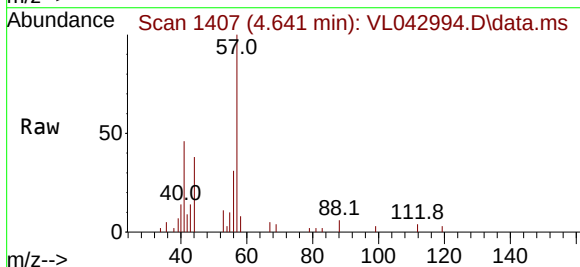
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

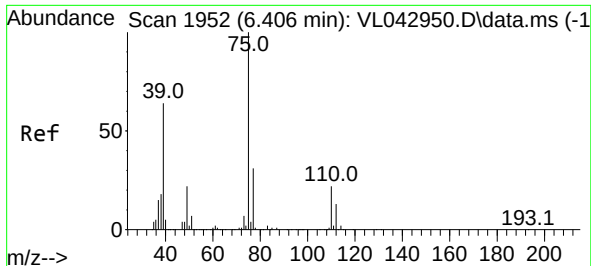
Tgt Ion: 69 Resp: 478
Ion Ratio Lower Upper
69 100
41 457.3 124.5 186.7#
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.040 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 57 Resp: 2629
Ion Ratio Lower Upper
57 100
41 110.7 25.5 38.3#
56 0.0 25.8 38.8#

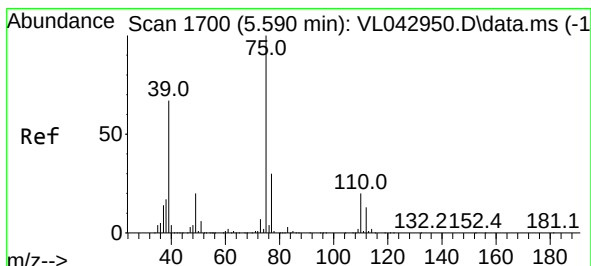
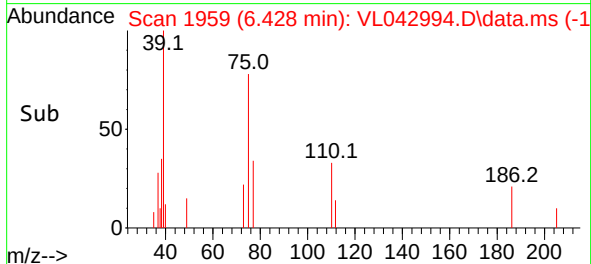
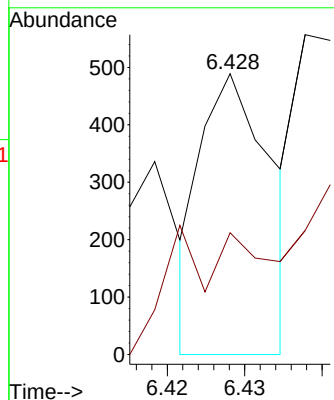
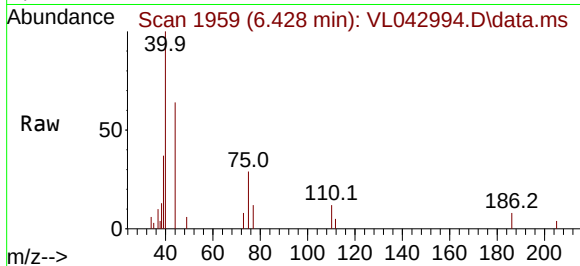




#45
 t-1,3-Dichloropropene
 Concen: 0.018 ppbv
 RT: 6.428 min Scan# 1952
 Delta R.T. 0.022 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

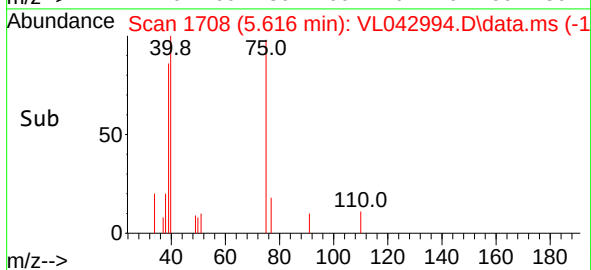
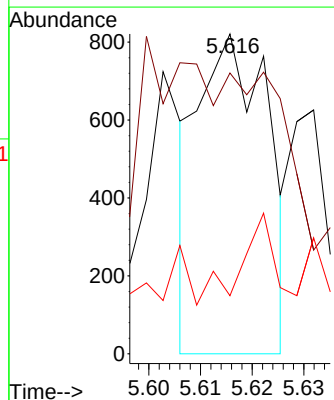
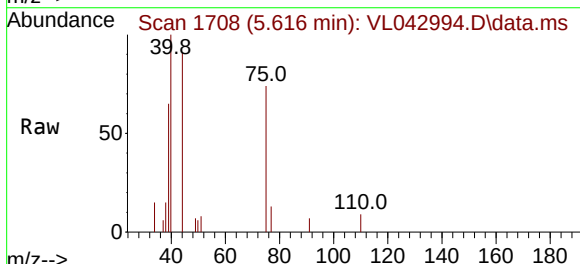
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

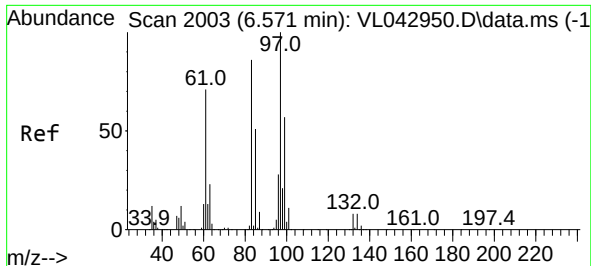
Tgt Ion: 75 Resp: 308
 Ion Ratio Lower Upper
 75 100
 77 43.4 25.0 37.4#



#46
 cis-1,3-Dichloropropene
 Concen: 0.036 ppbv
 RT: 5.616 min Scan# 1708
 Delta R.T. 0.026 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion: 75 Resp: 768
 Ion Ratio Lower Upper
 75 100
 39 15.9 53.8 80.6#
 77 0.0 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 0.041 ppbv

RT: 6.600 min Scan# 2003

Delta R.T. 0.029 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion: 97 Resp: 612

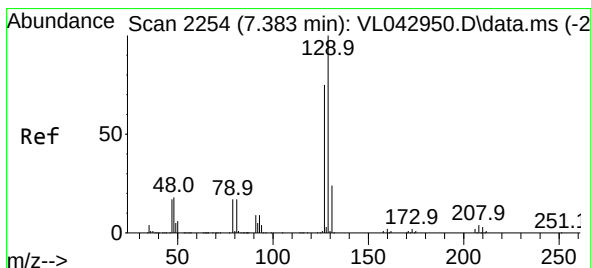
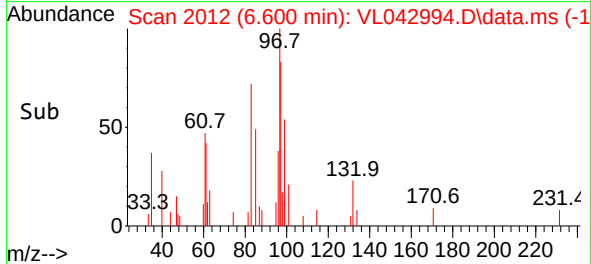
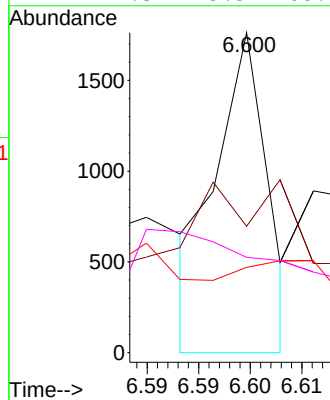
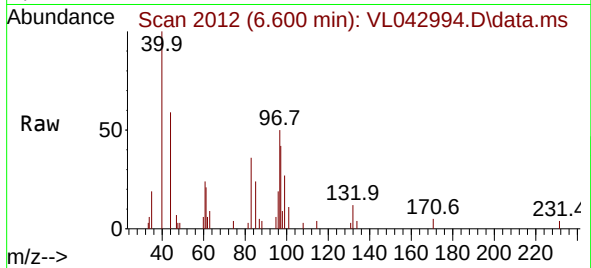
Ion Ratio Lower Upper

97 100

83 9.3 68.7 103.1#

85 5.2 40.6 60.8#

99 1.3 45.5 68.3#



#48

Dibromochloromethane

Concen: 0.102 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.016 min

Lab File: VL042994.D

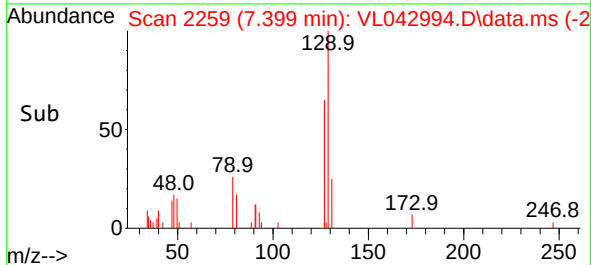
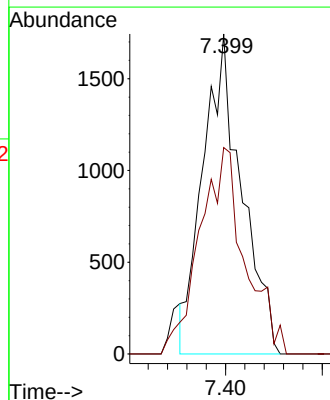
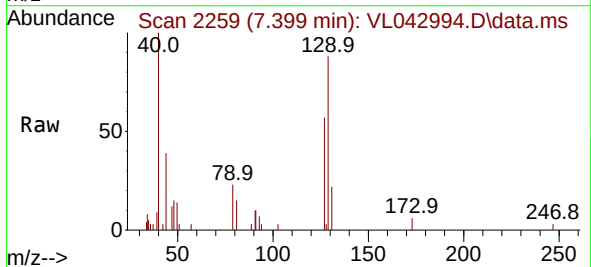
Acq: 23 Sep 2025 16:25

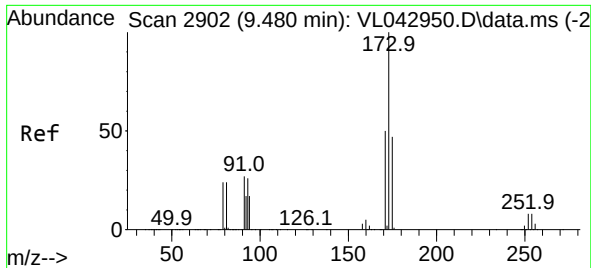
Tgt Ion: 129 Resp: 2410

Ion Ratio Lower Upper

129 100

127 75.1 39.1 117.2





#49

Bromoform

Concen: 0.053 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

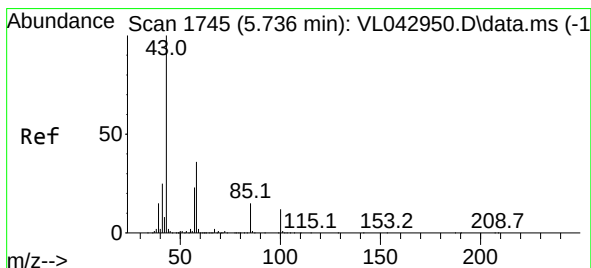
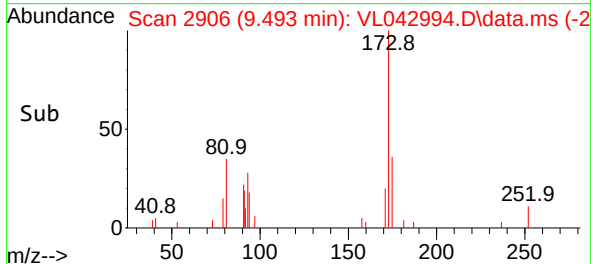
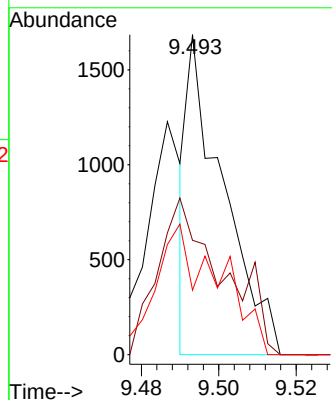
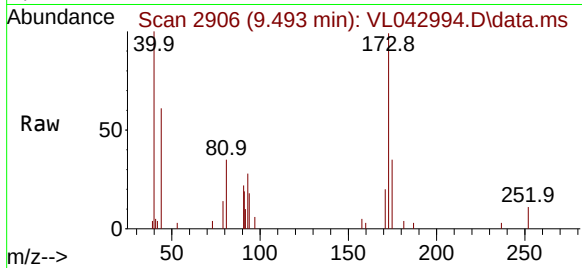
Tgt Ion:173 Resp: 1091

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: 0.003 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.019 min

Lab File: VL042994.D

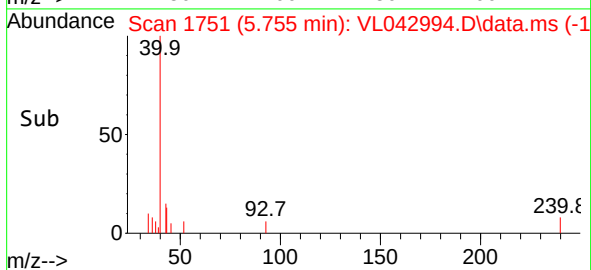
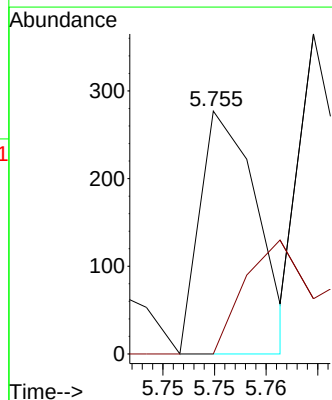
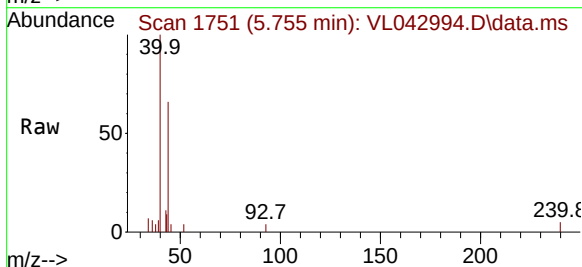
Acq: 23 Sep 2025 16:25

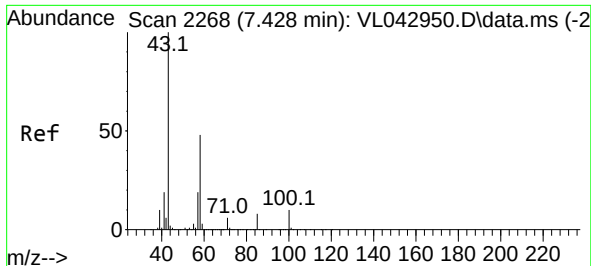
Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

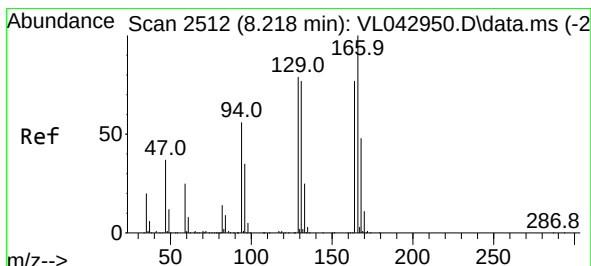
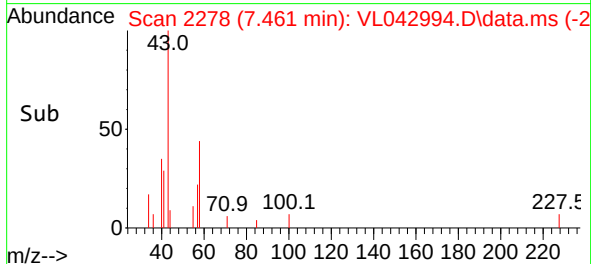
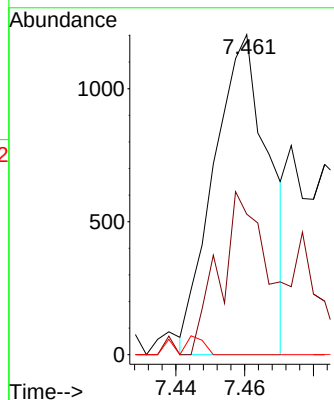
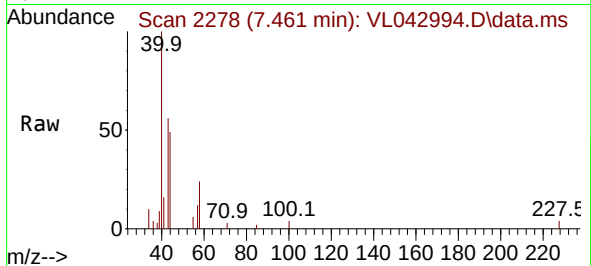




#51
2-Hexanone
Concen: 0.044 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

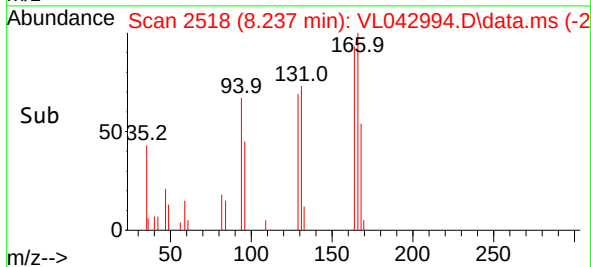
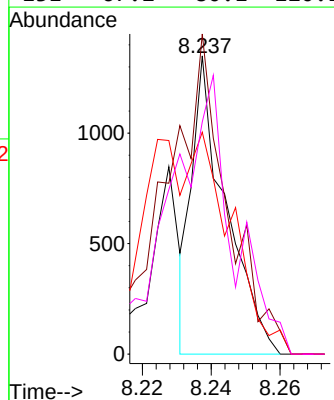
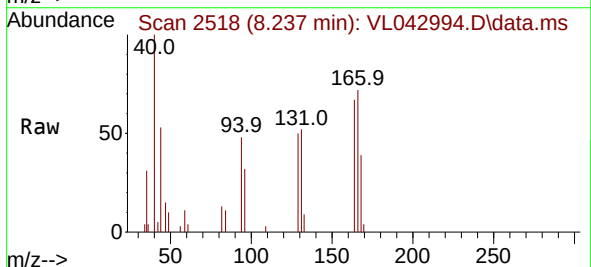
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

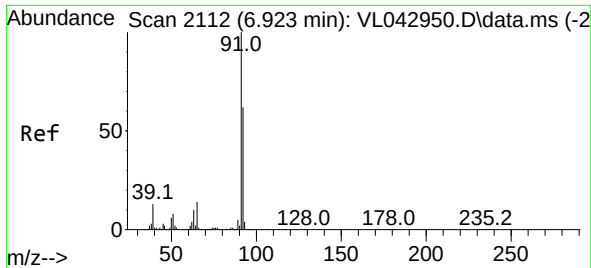
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
58 65.1 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.062 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.019 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 164 Resp: 918
Ion Ratio Lower Upper
164 100
166 99.6 103.5 155.3#
129 66.3 82.2 123.4#
131 67.2 80.1 120.1#





#53

Toluene

Concen: 0.032 ppbv

RT: 6.949 min Scan# 2112

Delta R.T. 0.026 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

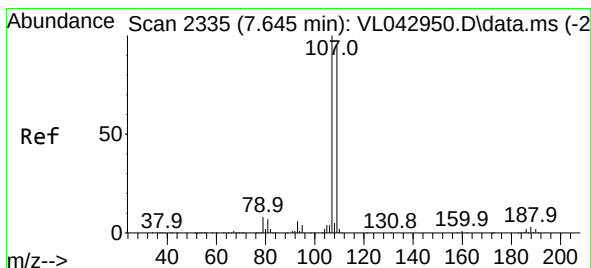
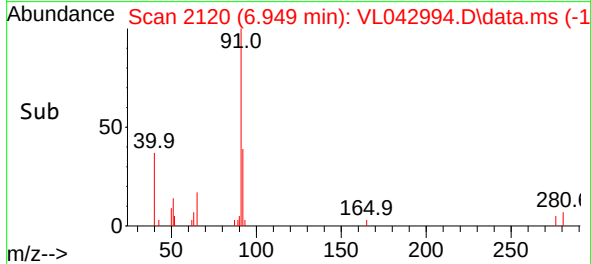
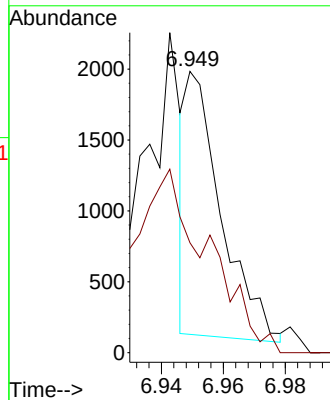
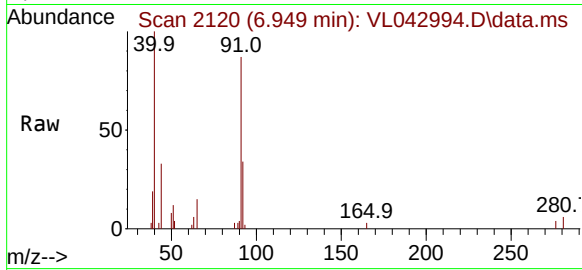
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 1468

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#54

1,2-Dibromoethane

Concen: 0.106 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.016 min

Lab File: VL042994.D

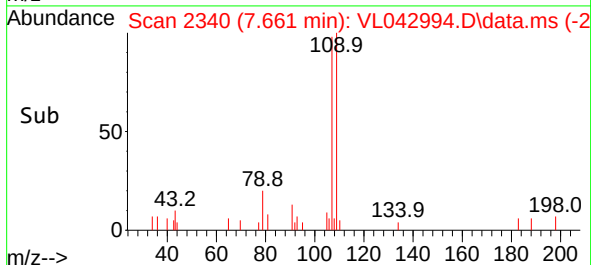
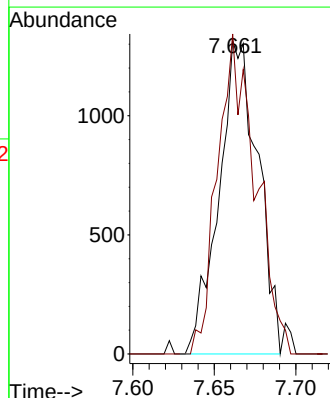
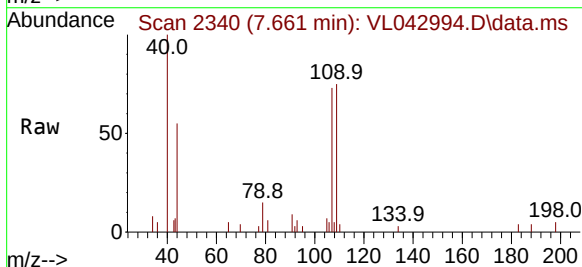
Acq: 23 Sep 2025 16:25

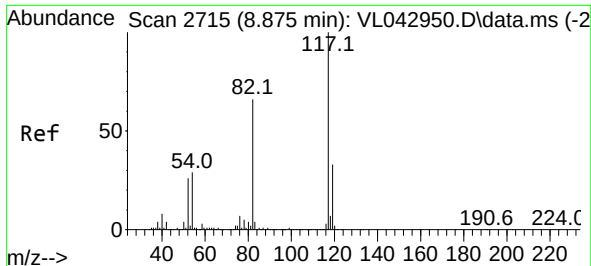
Tgt Ion: 107 Resp: 2195

Ion Ratio Lower Upper

107 100

109 102.1 75.8 113.8

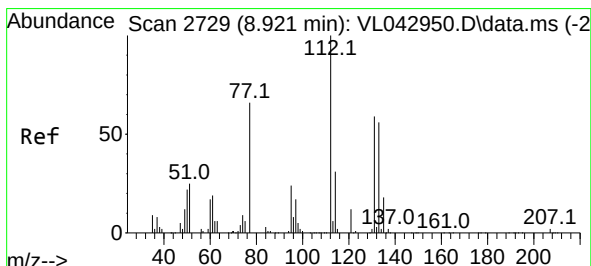
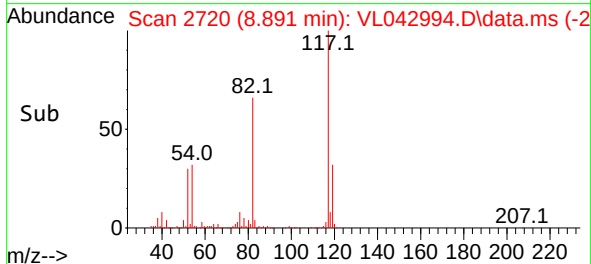
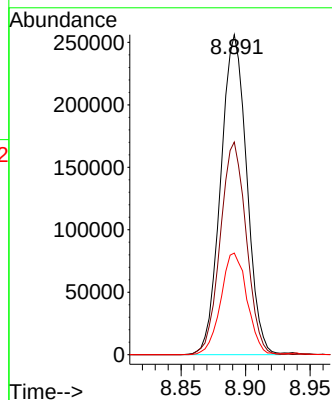
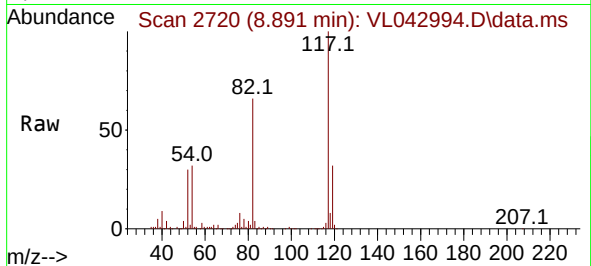




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.891 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

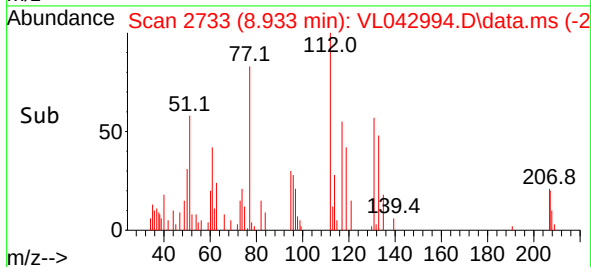
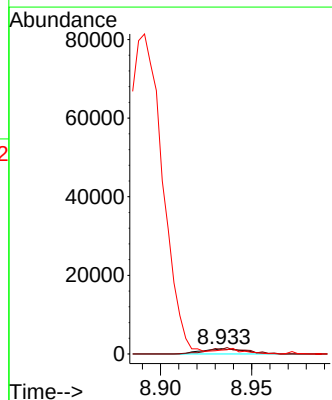
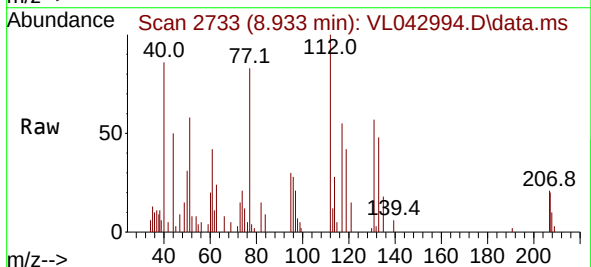
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

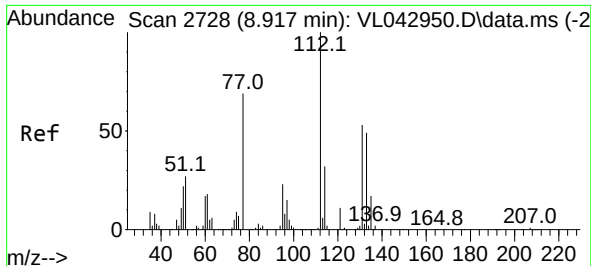
Tgt Ion:117 Resp: 359028
 Ion Ratio Lower Upper
 117 100
 82 66.5 52.8 79.2
 119 32.5 26.5 39.7



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.125 ppbv
 RT: 8.933 min Scan# 2733
 Delta R.T. 0.013 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion:131 Resp: 2150
 Ion Ratio Lower Upper
 131 100
 133 105.8 76.6 114.8
 119 5432.2 49.9 74.9#

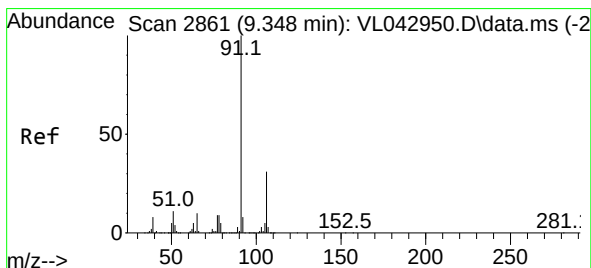
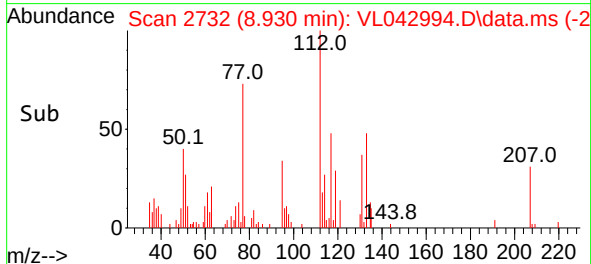
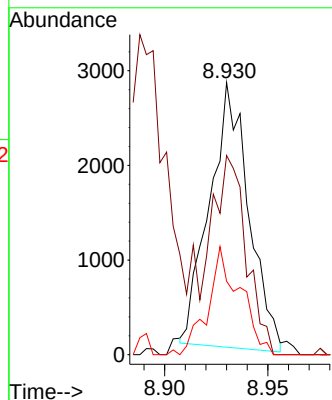
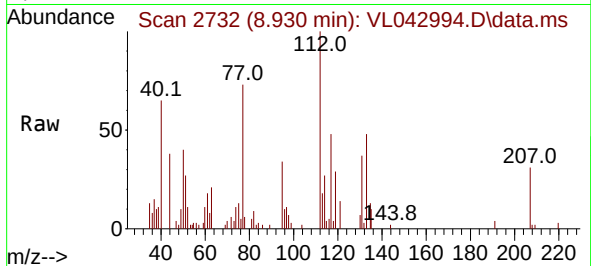




#57
Chlorobenzene
Concen: 0.112 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

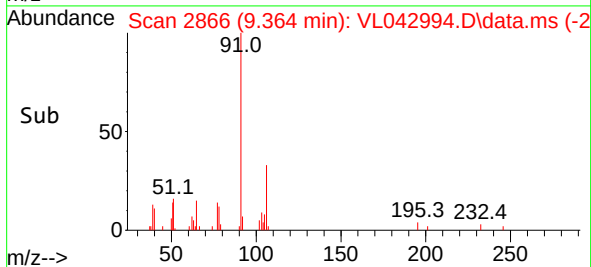
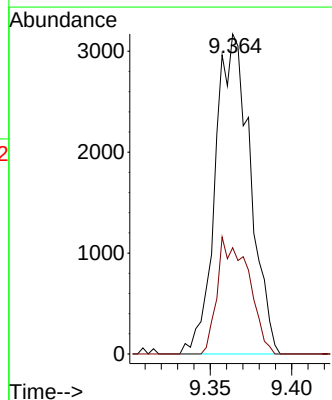
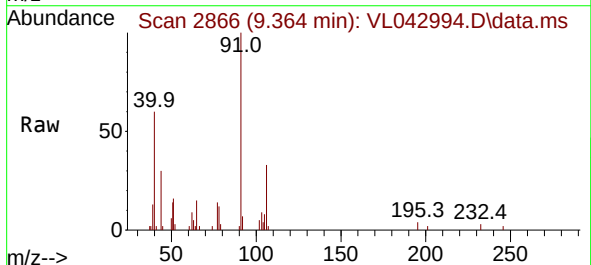
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

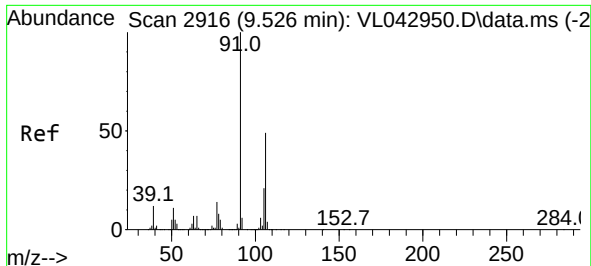
Tgt Ion:112 Resp: 3682
Ion Ratio Lower Upper
112 100
77 82.7 55.7 83.5
114 32.1 28.6 35.0



#58
Ethyl Benzene
Concen: 0.080 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.016 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 91 Resp: 4714
Ion Ratio Lower Upper
91 100
106 33.2 24.6 37.0





#59

m/p-Xylene

Concen: 0.069 ppbv

RT: 9.539 min Scan# 2916

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

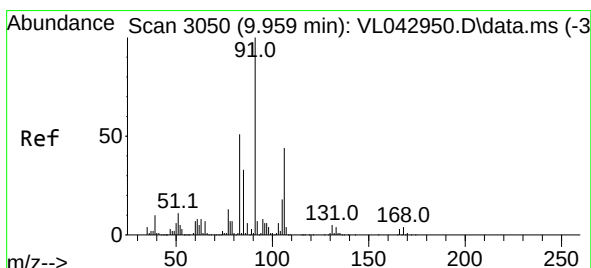
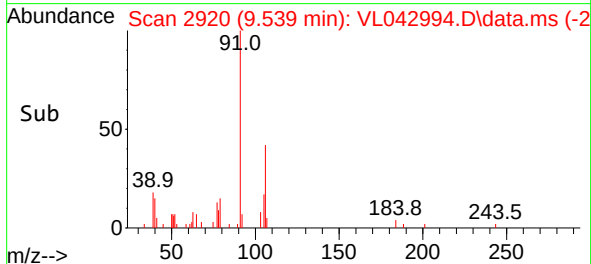
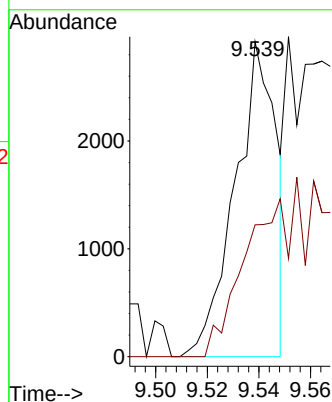
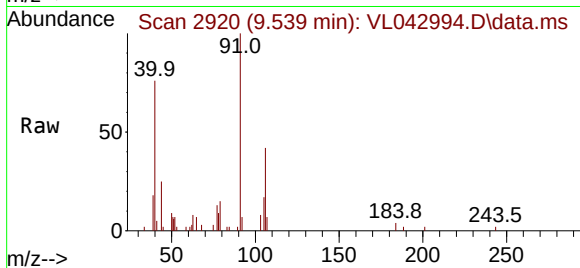
LOQ-AIR-02-QT3-2025

Tgt Ion: 91 Resp: 3211

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.086 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.013 min

Lab File: VL042994.D

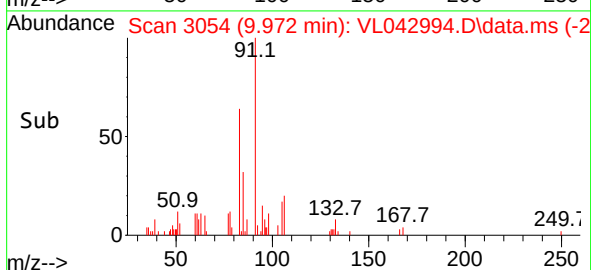
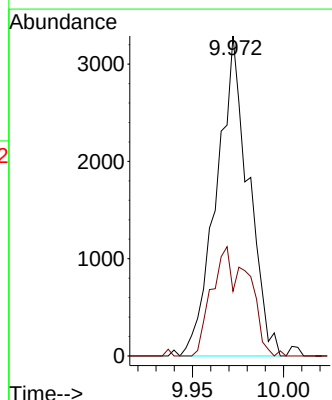
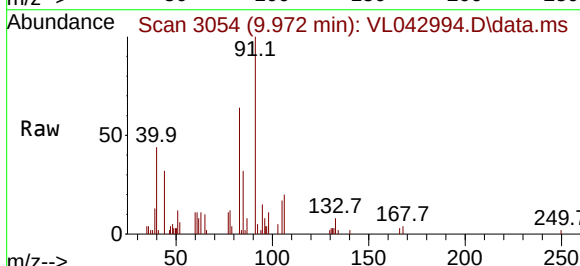
Acq: 23 Sep 2025 16:25

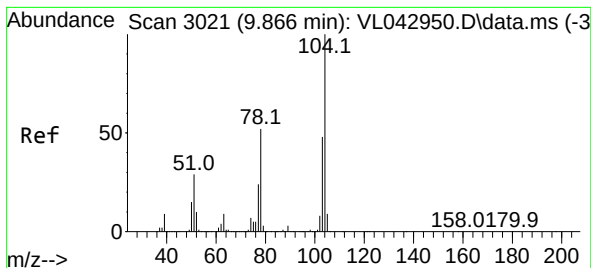
Tgt Ion: 91 Resp: 3998

Ion Ratio Lower Upper

91 100

106 39.4 22.4 67.0





#61

Styrene

Concen: 0.047 ppbv

RT: 9.882 min Scan# 3021

Delta R.T. 0.016 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

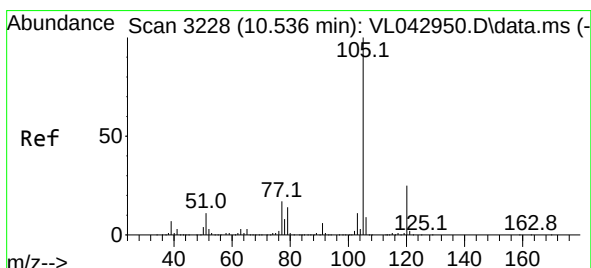
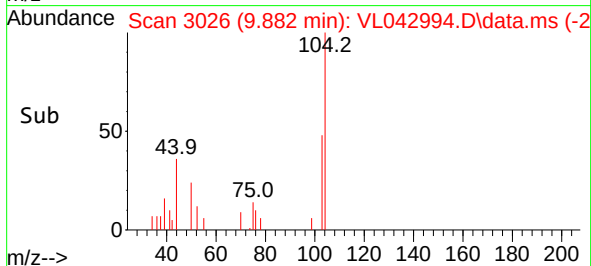
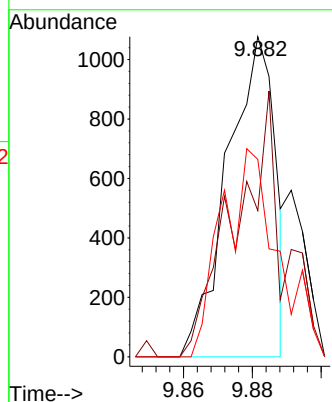
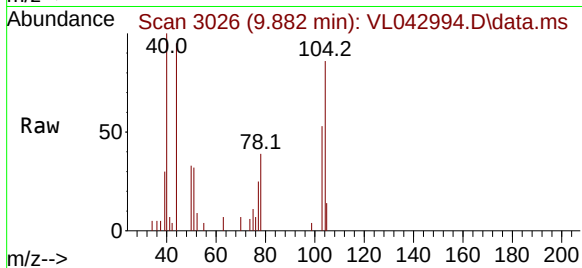
Tgt Ion:104 Resp: 1037

Ion Ratio Lower Upper

104 100

78 0.0 39.9 59.9#

103 75.6 36.9 55.3#



#62

Isopropylbenzene

Concen: 0.082 ppbv

RT: 10.548 min Scan# 3232

Delta R.T. 0.013 min

Lab File: VL042994.D

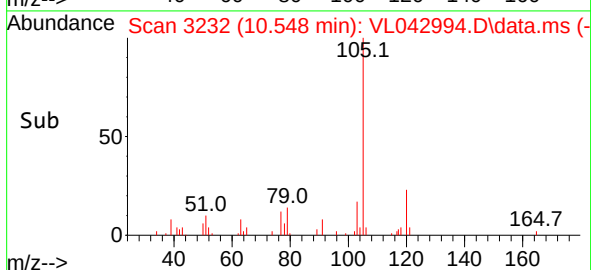
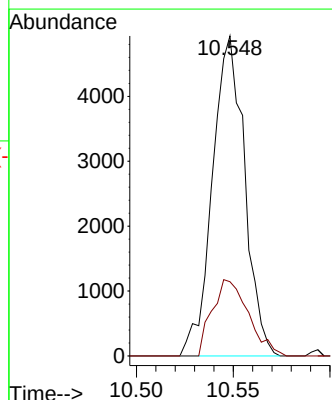
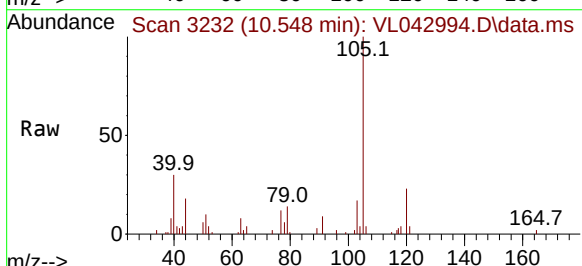
Acq: 23 Sep 2025 16:25

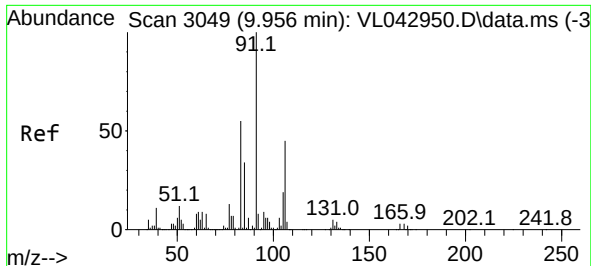
Tgt Ion:105 Resp: 5702

Ion Ratio Lower Upper

105 100

120 26.9 20.6 30.8





#63

1,1,2-Tetrachloroethane

Concen: 0.119 ppbv

RT: 9.975 min Scan# 3049

Delta R.T. 0.019 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

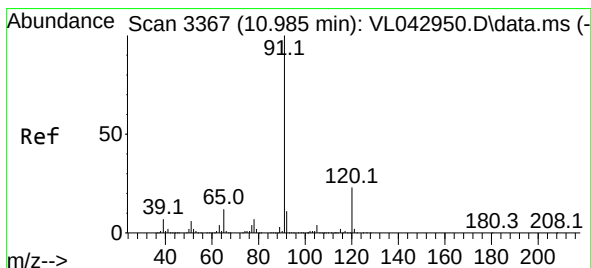
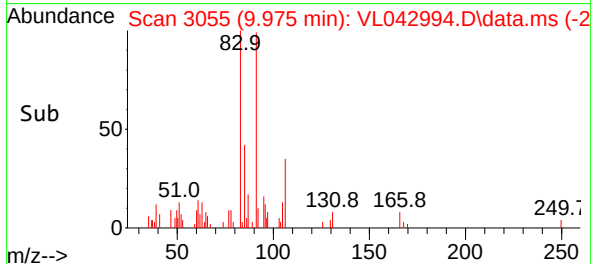
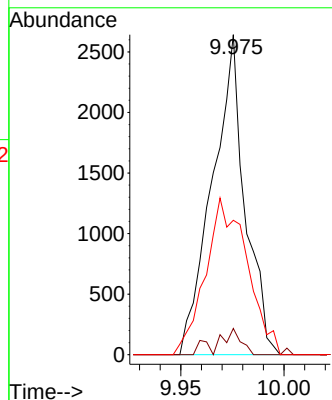
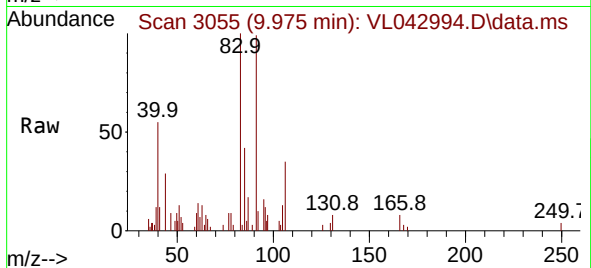
Tgt Ion: 83 Resp: 2908

Ion Ratio Lower Upper

83 100

131 5.9 4.8 14.4

85 62.4 32.2 96.6



#64

n-propylbenzene

Concen: 0.070 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. 0.013 min

Lab File: VL042994.D

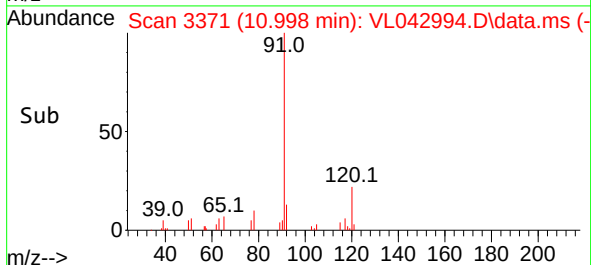
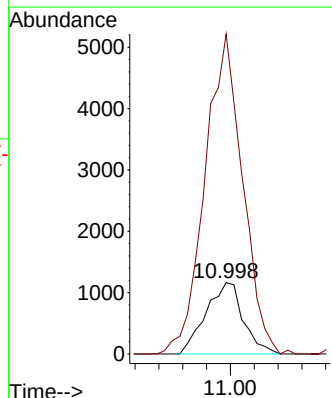
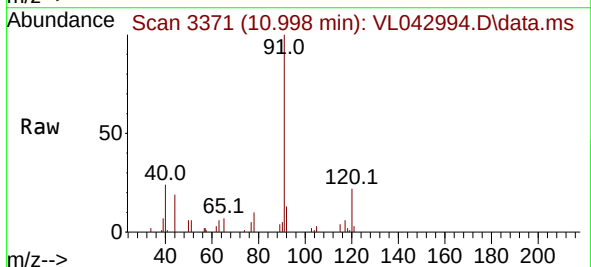
Acq: 23 Sep 2025 16:25

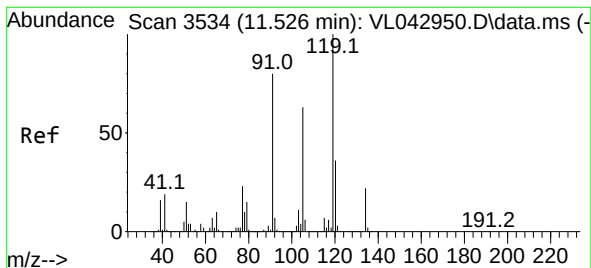
Tgt Ion: 120 Resp: 1263

Ion Ratio Lower Upper

120 100

91 454.1 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.067 ppbv

RT: 11.536 min Scan# 3534

Delta R.T. 0.010 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

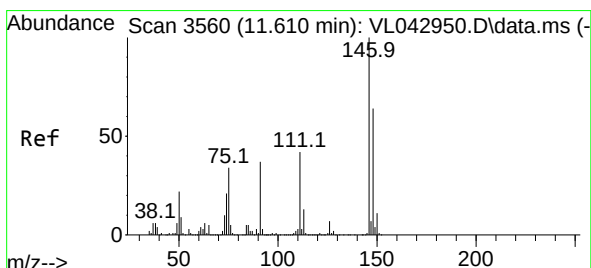
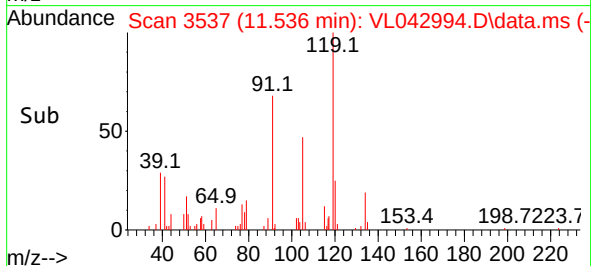
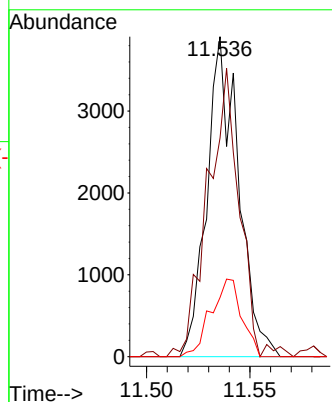
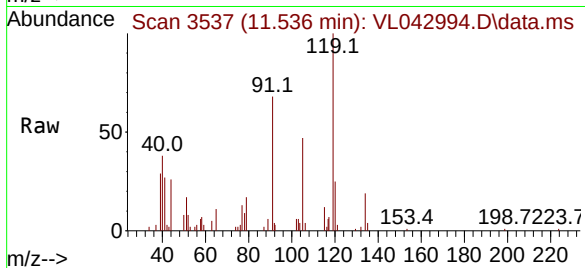
Instrument :

MSVOA_1

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:	119	Resp:	4150
Ion	Ratio	Lower	Upper
119	100		
91	91.0	63.1	94.7
134	23.7	17.0	25.6



#66

Benzyl Chloride

Concen: 0.009 ppbv

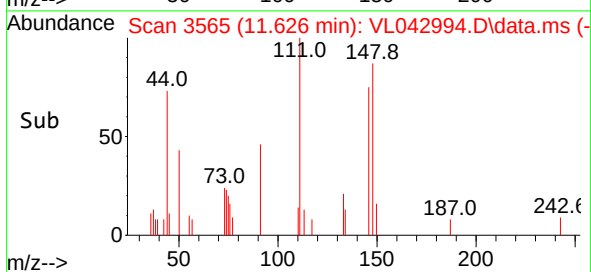
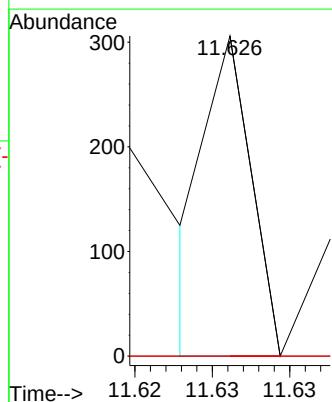
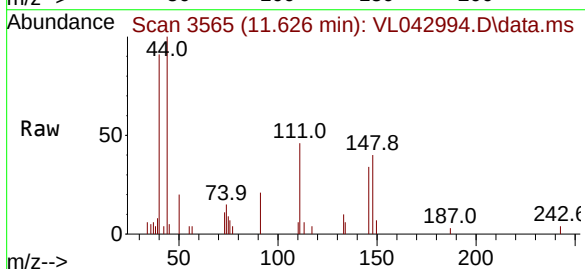
RT: 11.626 min Scan# 3565

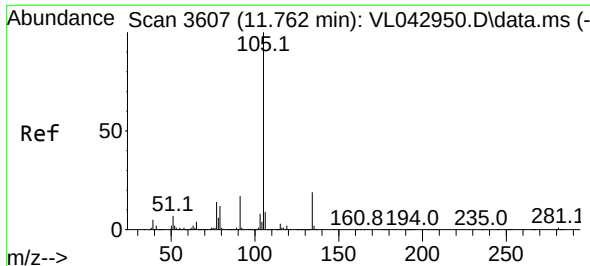
Delta R.T. 0.016 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Tgt Ion:	91	Resp:	60
Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.6	21.8#
128	0.0	5.0	7.4#

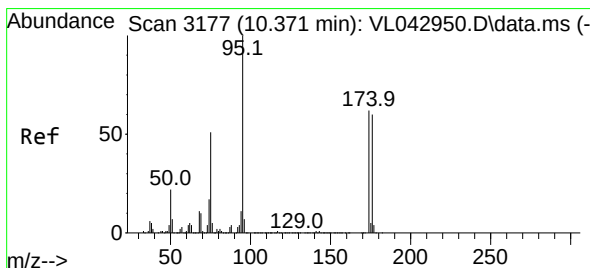
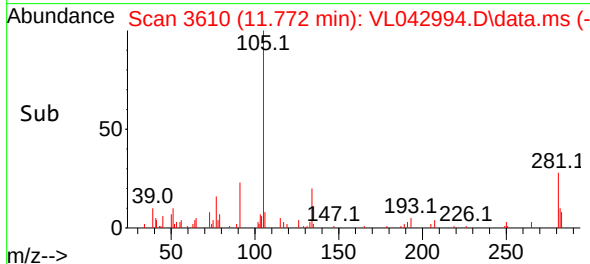
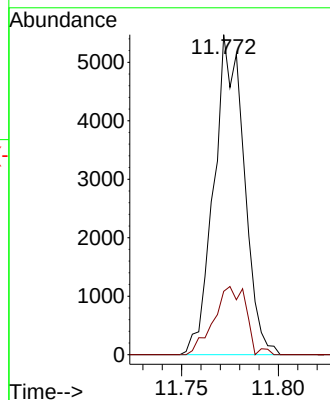
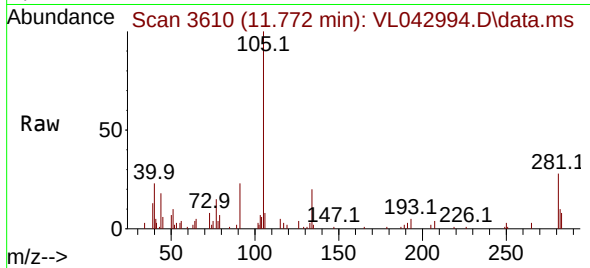




#67
 sec-Butylbenzene
 Concen: 0.069 ppbv
 RT: 11.772 min Scan# 3110
 Delta R.T. 0.010 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

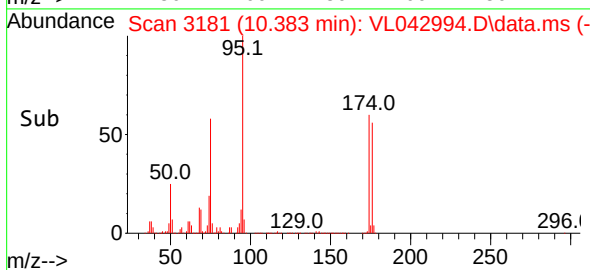
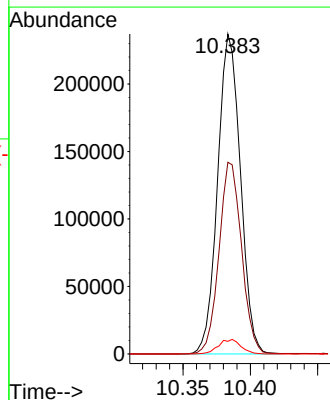
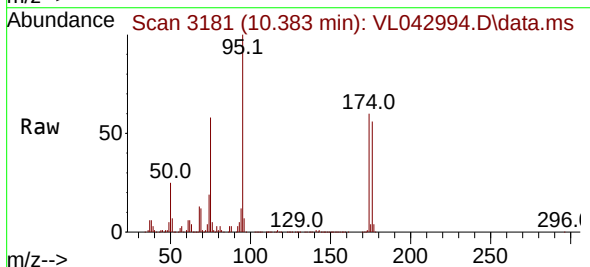
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

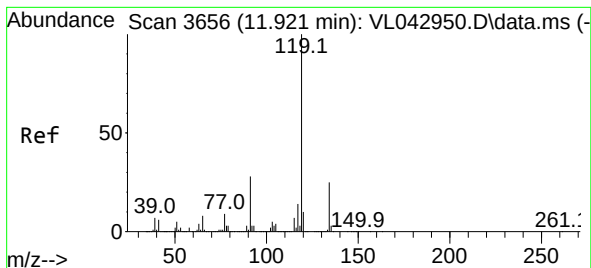
Tgt Ion:105 Resp: 5912
 Ion Ratio Lower Upper
 105 100
 134 22.9 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.411 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.013 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion: 95 Resp: 279008
 Ion Ratio Lower Upper
 95 100
 174 59.2 51.4 77.2
 175 4.5 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.062 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.010 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

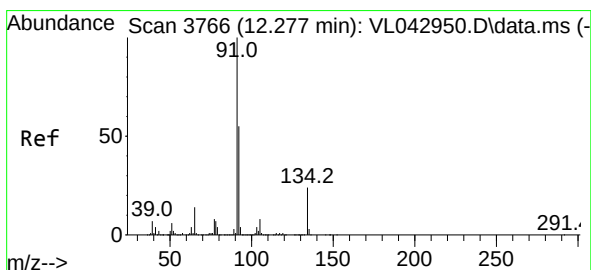
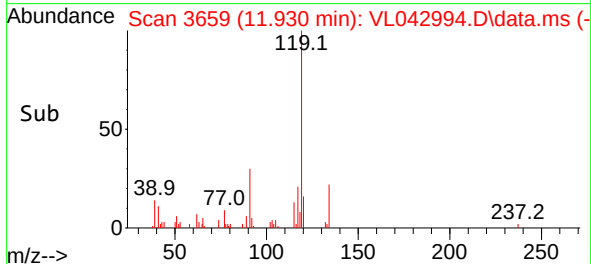
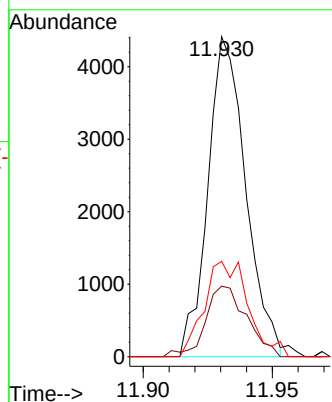
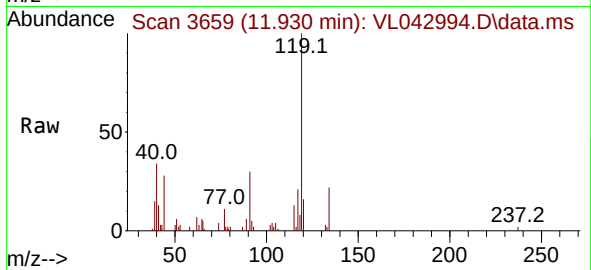
Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

Tgt Ion:	119	Resp:	4495
Ion	Ratio	Lower	Upper
119	100		
134	23.9	21.0	31.4
91	34.7	22.3	33.5



#70

n-Butylbenzene

Concen: 0.061 ppbv

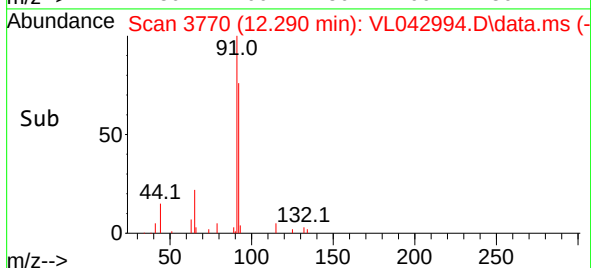
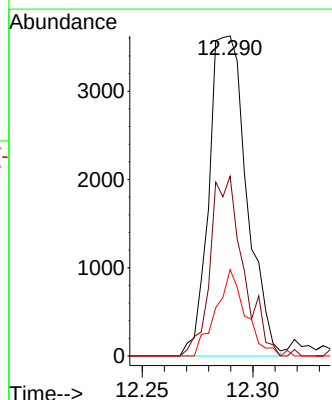
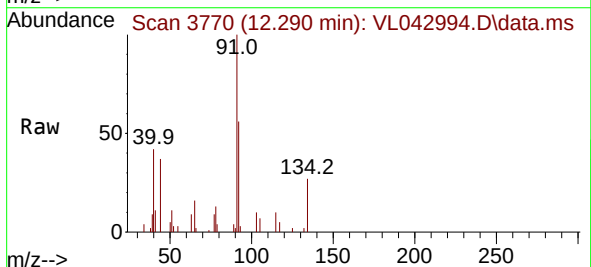
RT: 12.290 min Scan# 3770

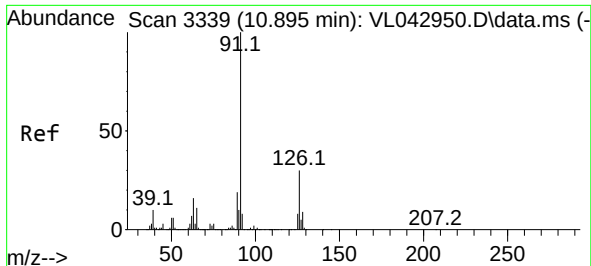
Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Tgt Ion:	91	Resp:	4292
Ion	Ratio	Lower	Upper
91	100		
92	49.3	44.0	66.0
134	21.4	19.4	29.2

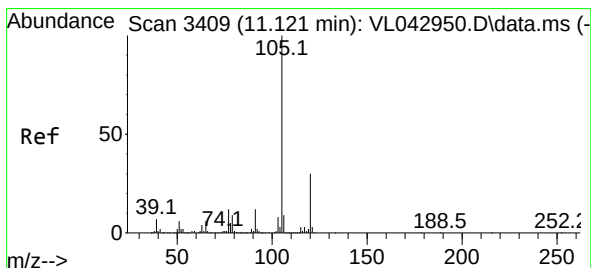
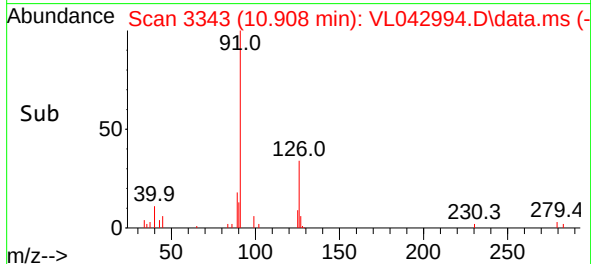
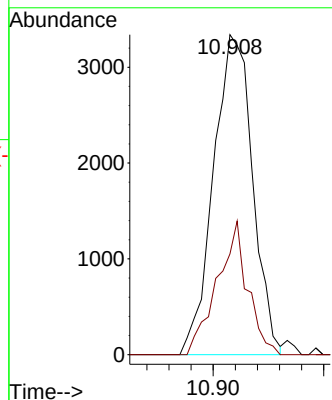
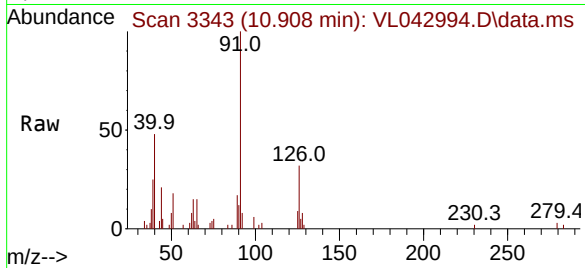




#71
2-Chlorotoluene
Concen: 0.078 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

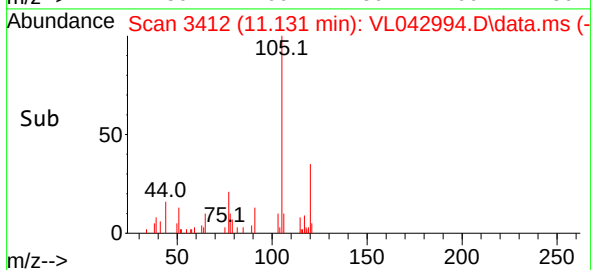
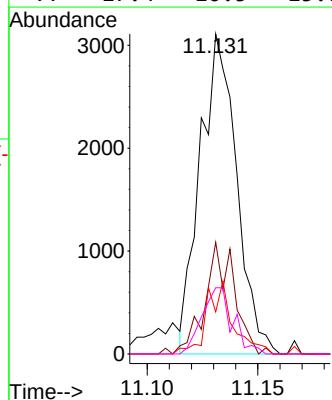
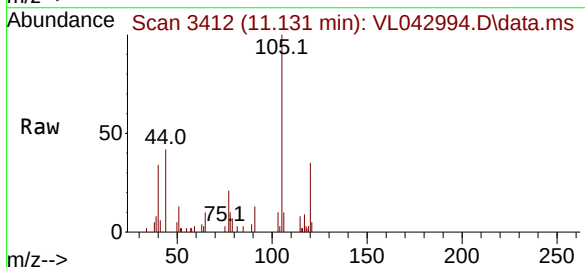
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

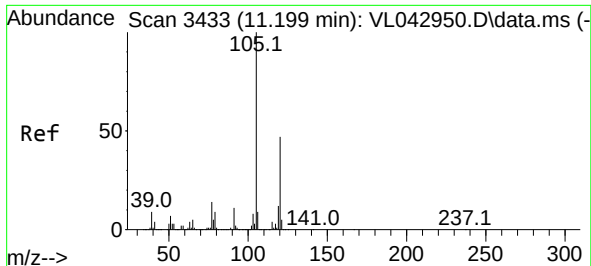
Tgt Ion: 91 Resp: 4102
Ion Ratio Lower Upper
91 100
126 32.5 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.010 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion: 105 Resp: 3576
Ion Ratio Lower Upper
105 100
120 28.0 24.2 36.2
91 16.6 10.0 15.0#
77 17.4 10.5 15.7#

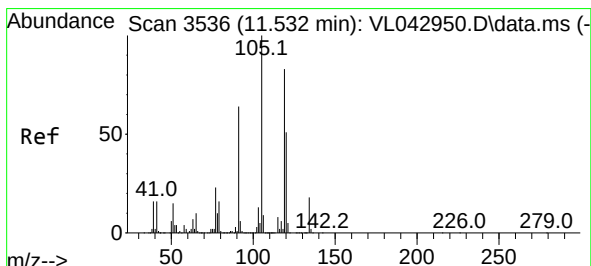
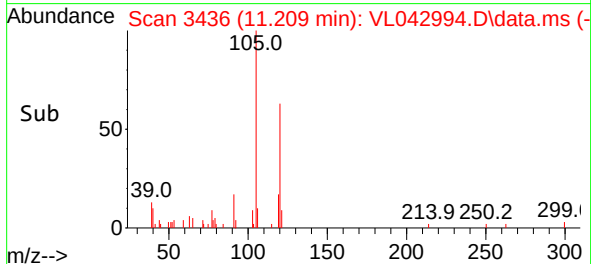
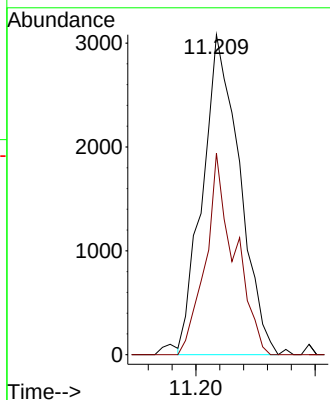
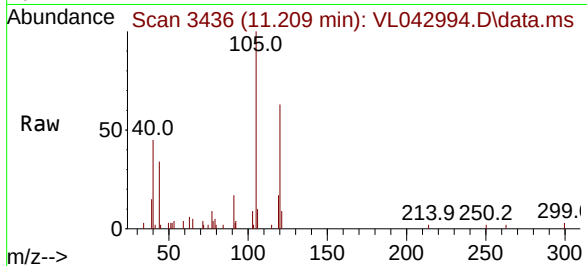




#73
 1,3,5-Trimethylbenzene
 Concen: 0.071 ppbv
 RT: 11.209 min Scan# 3433
 Delta R.T. 0.010 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

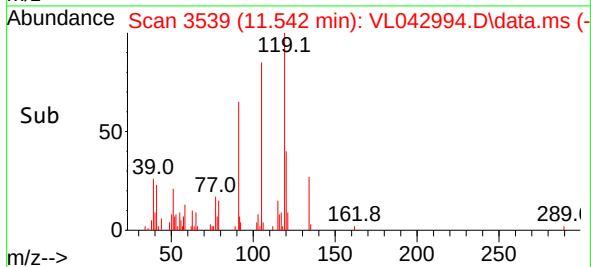
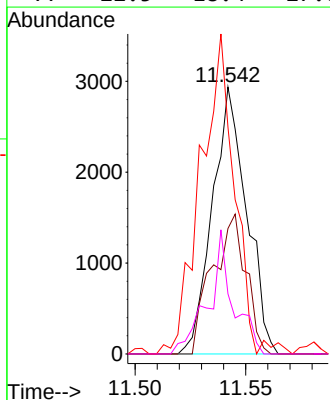
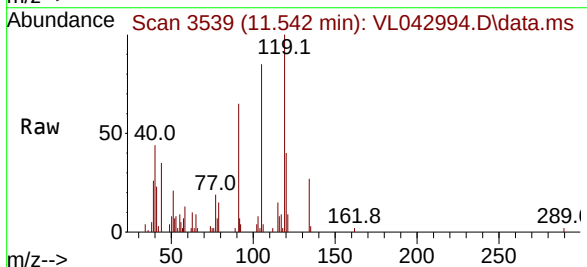
Instrument :
 MSVOA_1
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

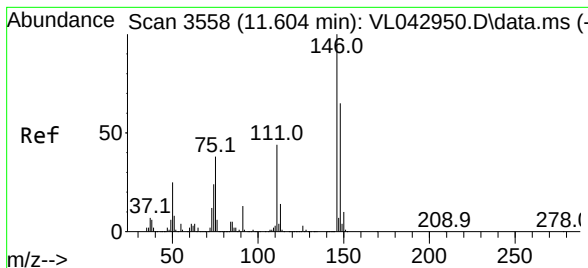
Tgt Ion:105 Resp: 3331
 Ion Ratio Lower Upper
 105 100
 120 63.0 38.0 57.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.061 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.010 min
 Lab File: VL042994.D
 Acq: 23 Sep 2025 16:25

Tgt Ion:105 Resp: 3161
 Ion Ratio Lower Upper
 105 100
 120 47.0 40.9 61.3
 91 80.8 51.2 76.8#
 77 22.5 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.079 ppbv

RT: 11.616 min Scan# 3558

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

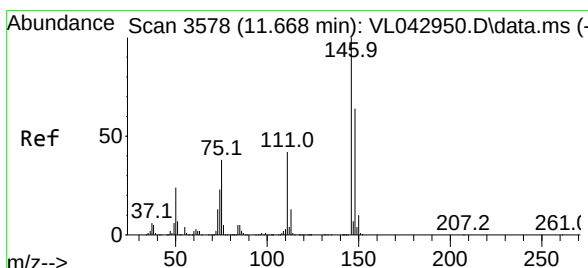
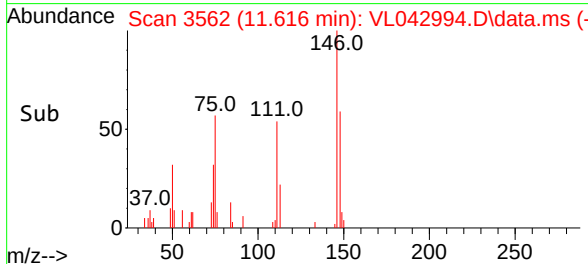
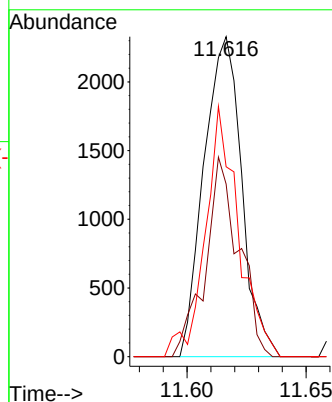
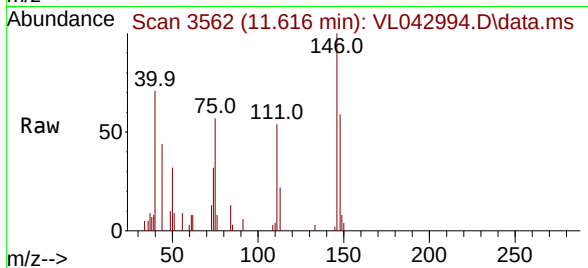
Tgt Ion:146 Resp: 2562

Ion Ratio Lower Upper

146 100

111 55.5 22.3 66.9

148 68.6 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.067 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.010 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

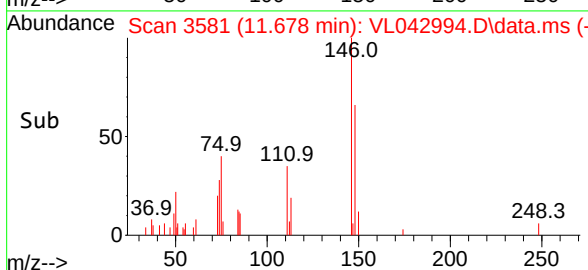
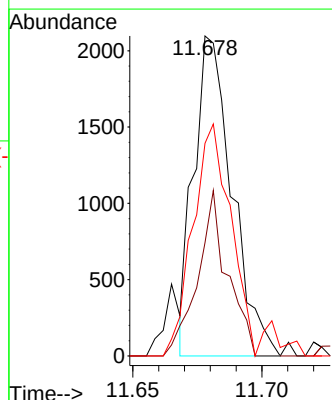
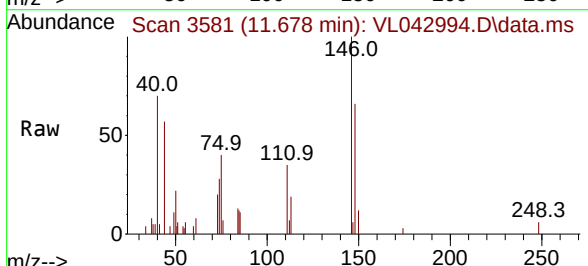
Tgt Ion:146 Resp: 2162

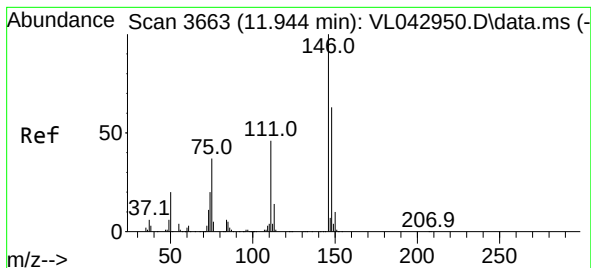
Ion Ratio Lower Upper

146 100

111 40.3 21.5 64.5

148 77.3 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.090 ppbv

RT: 11.956 min Scan# 30

Delta R.T. 0.013 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025

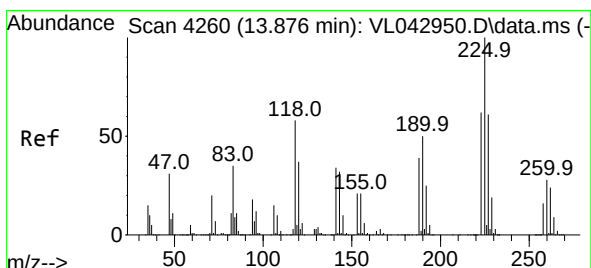
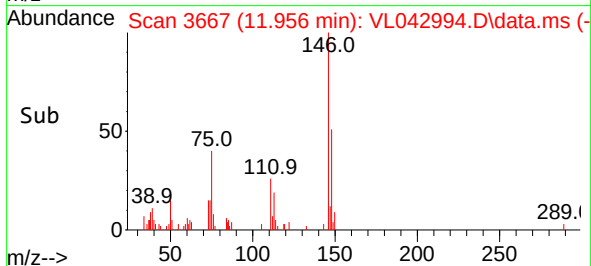
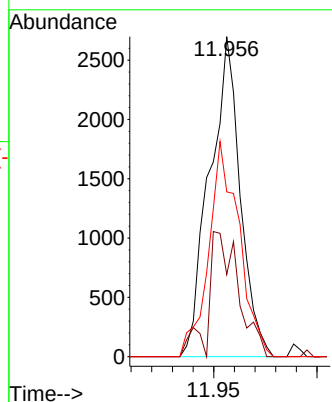
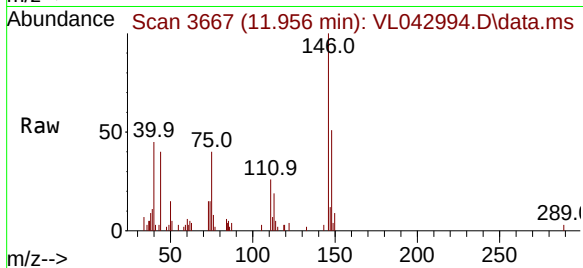
Tgt Ion:146 Resp: 2782

Ion Ratio Lower Upper

146 100

111 38.2 23.1 69.3

148 66.5 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.109 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.010 min

Lab File: VL042994.D

Acq: 23 Sep 2025 16:25

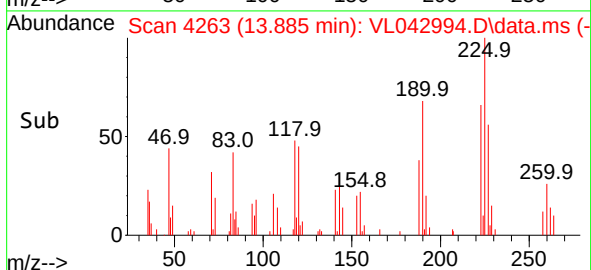
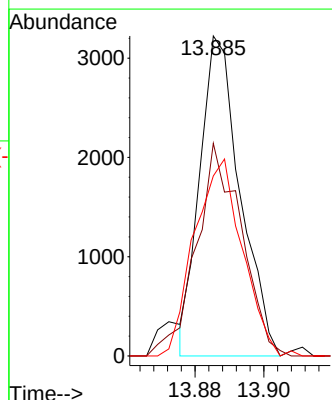
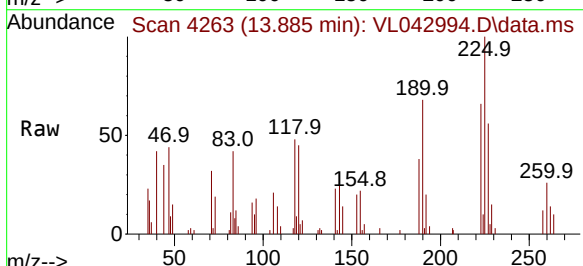
Tgt Ion:225 Resp: 2631

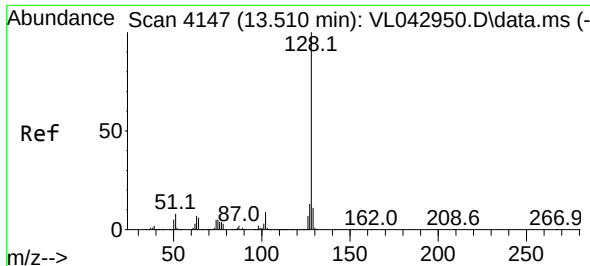
Ion Ratio Lower Upper

225 100

223 74.2 50.1 75.1

227 73.0 50.4 75.6

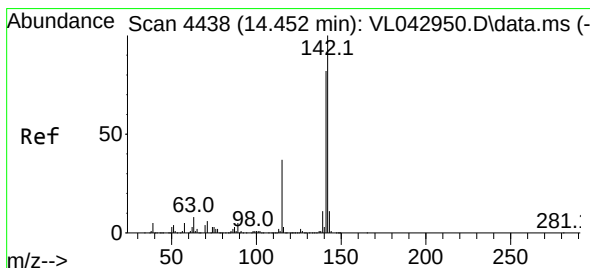
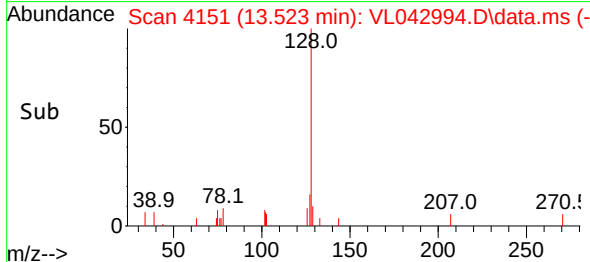
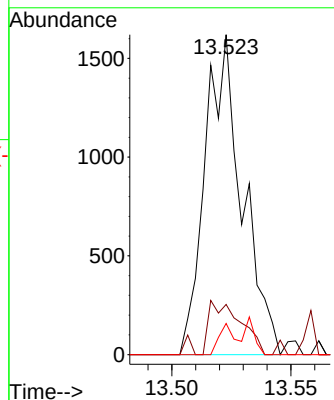
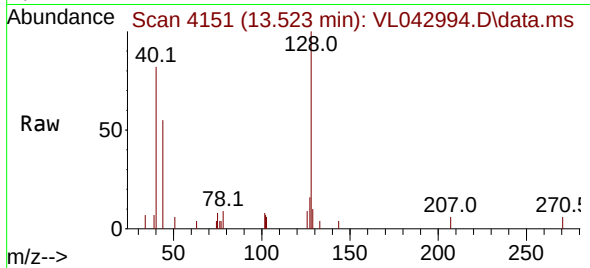




#79
Naphthalene
Concen: 0.038 ppbv
RT: 13.523 min Scan# 4147
Delta R.T. 0.013 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

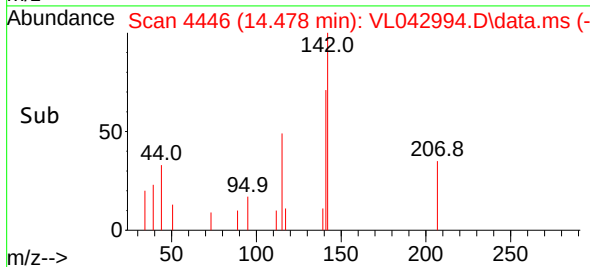
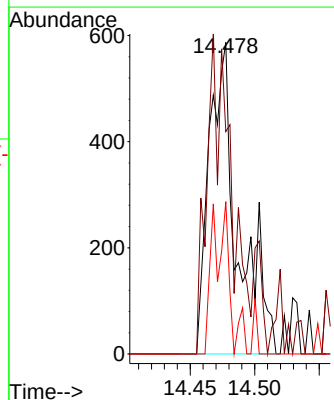
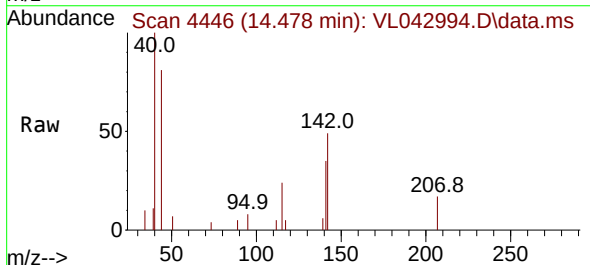
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

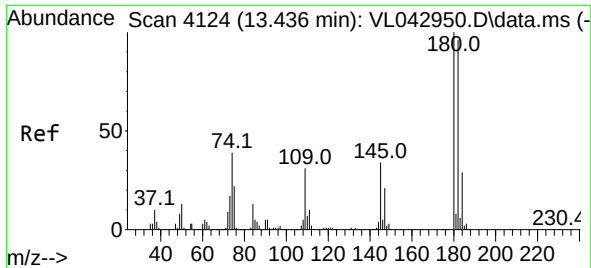
Tgt Ion:128	Resp:	1756
Ion Ratio	Lower	Upper
128	100	
127	15.7	10.6 15.8
129	9.8	9.0 13.6



#80
Naphthalene,2-methyl-
Concen: 0.063 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.026 min
Lab File: VL042994.D
Acq: 23 Sep 2025 16:25

Tgt Ion:142	Resp:	903
Ion Ratio	Lower	Upper
142	100	
141	107.2	65.1 97.7#
115	30.5	28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.003 ppbv

RT: 13.461 min Scan# 41

Delta R.T. 0.026 min

Lab File: VL042994.D

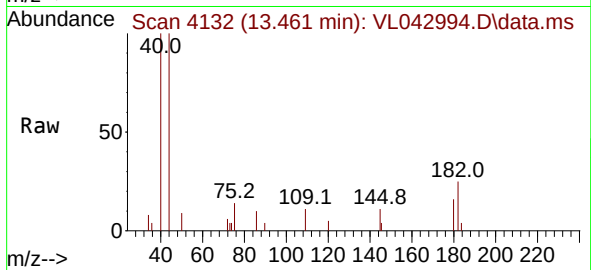
Acq: 23 Sep 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion:180 Resp: 79

Ion Ratio Lower Upper

180 100

182 0.0 75.7 113.5#

184 0.0 23.9 35.9#

