

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043012.D
 Acq On : 24 Sep 2025 16:49
 Operator : SY/MD
 Sample : Q2893-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:22:43 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 : Thu Sep 25 03:22:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	146283	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	445225	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	389299	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	289536	9.963	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11063	0.562	ppbv	97
3) Chlorodifluoromethane	1.476	51	12527	0.511	ppbv	98
4) Chloromethane	1.534	50	4563	0.512	ppbv	99
5) Vinyl Chloride	1.580	62	3806	0.473	ppbv	93
6) Bromomethane	1.667	94	1537	0.541	ppbv #	69
7) Chloroethane	1.706	64	1760	0.563	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	9248	0.551	ppbv	93
9) Propene	1.486	41	4939	0.463	ppbv	93
10) Heptane	4.985	43	10437	0.367	ppbv	97
11) Trichlorofluoromethane	1.877	101	10917	0.575	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	9033	0.588	ppbv	97
13) Ethanol	1.722	45	847	0.818	ppbv #	35
14) Bromoethene	1.784	108	2833	0.488	ppbv #	91
15) Acetone	1.839	43	12331	0.647	ppbv	91
16) 1,3-Butadiene	1.612	39	4298	0.478	ppbv	86
17) tert-Butyl alcohol	2.043	59	8980	0.430	ppbv #	92
18) 1,1-Dichloroethene	2.036	96	3972	0.559	ppbv	95
19) Isopropyl Alcohol	1.887	45	5552	0.485	ppbv #	45
20) Methylene Chloride	2.065	84	5555	0.696	ppbv #	87
21) Allyl Chloride	2.098	41	6208	0.468	ppbv #	88
22) trans-1,2-Dichloroethene	2.340	96	4324	0.535	ppbv	82
23) Vinyl Acetate	2.463	43	10748	0.395	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	8100	0.511	ppbv	97
25) Ethyl Acetate	2.839	43	20685	0.430	ppbv	97
26) Hexane	2.829	57	9220	0.420	ppbv	93
27) Carbon Disulfide	2.153	76	8989	0.457	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	5182m	0.454	ppbv	
29) Chloroform	2.848	83	16195	0.564	ppbv	99
30) Cyclohexane	3.858	84	6868	0.374	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	9336m	0.454	ppbv	
32) 1,1,1-Trichloroethane	3.373	97	14135	0.456	ppbv	99
34) 2-Butanone	2.560	43	15595	0.500	ppbv	99
35) Carbon Tetrachloride	3.764	117	15279	0.527	ppbv	94
36) Benzene	3.661	78	19561	0.468	ppbv	97
37) 1,2-Dichloroethane	3.217	62	11552	0.525	ppbv	96
38) Trichloroethene	4.551	130	10327	0.497	ppbv	87
39) 1,2-Dichloropropane	4.318	63	7501	0.491	ppbv	93
40) 1,4-Dioxane	4.606	88	3011m	0.424	ppbv	
41) Tetrahydrofuran	3.065	42	6606	0.368	ppbv	98
42) Bromodichloromethane	4.493	83	14965	0.489	ppbv #	86
43) Methyl Methacrylate	4.888	69	5982m	0.350	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	29134	0.403	ppbv #	93
45) t-1,3-Dichloropropene	6.422	75	5828m	0.319	ppbv	

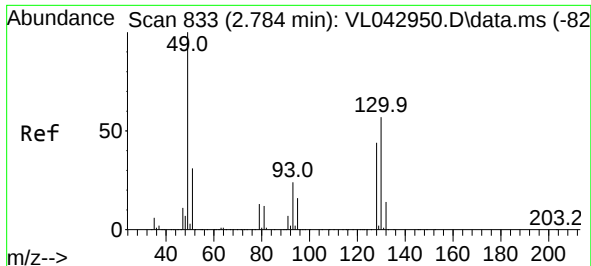
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043012.D
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 Operator : SY/MD
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 MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:22:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 25 03:22:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	8605m	0.370	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	7742	0.480	ppbv	95
48) Dibromochloromethane	7.393	129	12112	0.469	ppbv	99
49) Bromoform	9.487	173	10384	0.463	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	14662m	0.351	ppbv	
51) 2-Hexanone	7.448	43	9439m	0.283	ppbv	
52) Tetrachloroethene	8.228	164	7960	0.492	ppbv	85
53) Toluene	6.936	91	18218	0.368	ppbv	97
54) 1,2-Dibromoethane	7.658	107	11127	0.490	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.927	131	10275	0.551	ppbv #	1
57) Chlorobenzene	8.927	112	19134	0.538	ppbv #	85
58) Ethyl Benzene	9.361	91	23254	0.364	ppbv	96
59) m/p-Xylene	9.552	91	36899m	0.732	ppbv	
60) o-Xylene	9.966	91	18428	0.366	ppbv	98
61) Styrene	9.875	104	7300m	0.306	ppbv	
62) Isopropylbenzene	10.542	105	29403	0.392	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	12735	0.481	ppbv	94
64) n-propylbenzene	10.989	120	6732	0.343	ppbv	86
65) tert-Butylbenzene	11.532	119	23827	0.357	ppbv	99
66) Benzyl Chloride	11.620	91	1237m	0.177	ppbv	
67) sec-Butylbenzene	11.769	105	34976	0.376	ppbv	98
69) p-Isopropyltoluene	11.931	119	26856	0.342	ppbv	98
70) n-Butylbenzene	12.283	91	22840	0.298	ppbv	97
71) 2-Chlorotoluene	10.901	91	21288	0.376	ppbv	96
72) 4-Ethyltoluene	11.128	105	20287	0.322	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.205	105	17122	0.335	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	19950	0.353	ppbv #	83
75) 1,3-Dichlorobenzene	11.610	146	17400	0.497	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	15681	0.451	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	16736	0.502	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	16280	0.624	ppbv	98
79) Naphthalene	13.516	128	8304	0.166	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	1647	0.107	ppbv #	88
81) 1,2,4-Trichlorobenzene	13.439	180	6057	0.227	ppbv	88

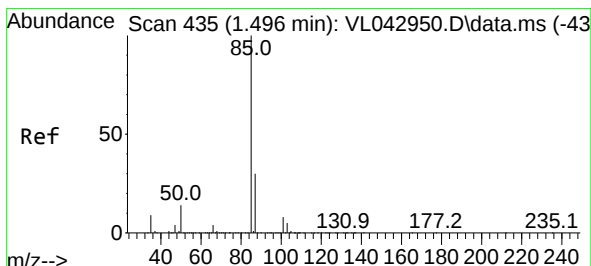
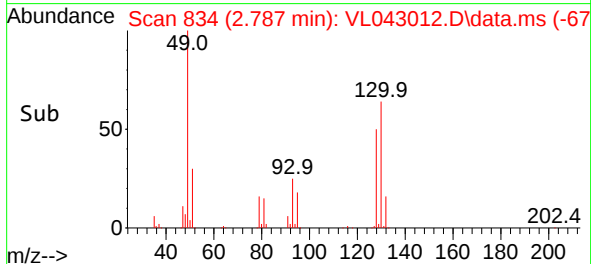
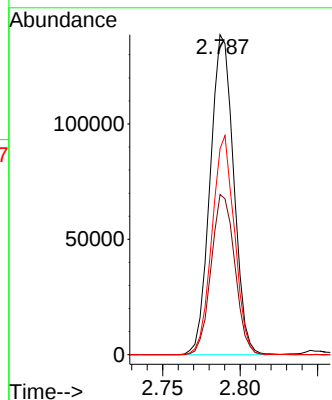
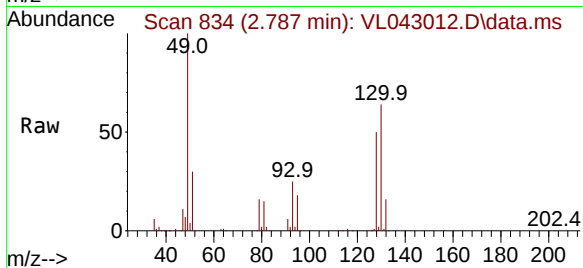
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

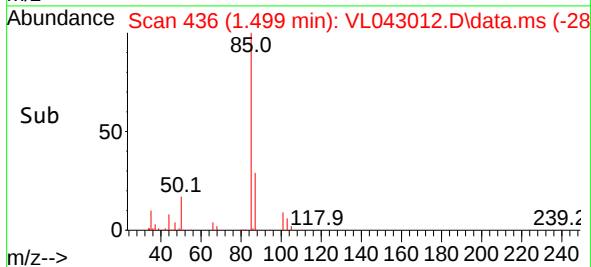
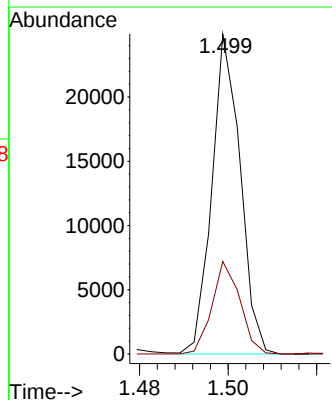
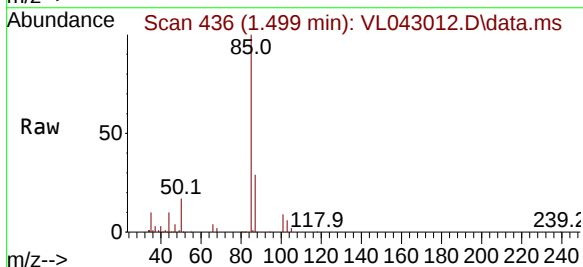
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

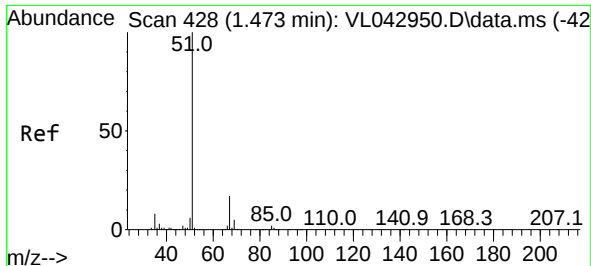
Tgt Ion: 49 Resp: 146283
Ion Ratio Lower Upper
49 100
128 50.2 22.9 68.8
130 65.6 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.562 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 85 Resp: 11063
Ion Ratio Lower Upper
85 100
87 28.9 24.3 36.5





#3

Chlorodifluoromethane

Concen: 0.511 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

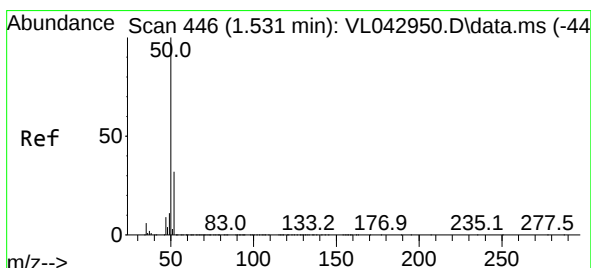
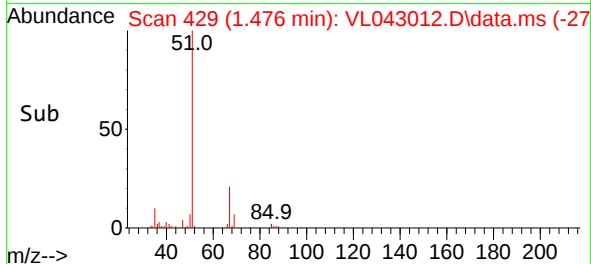
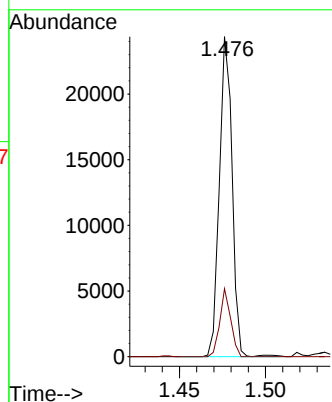
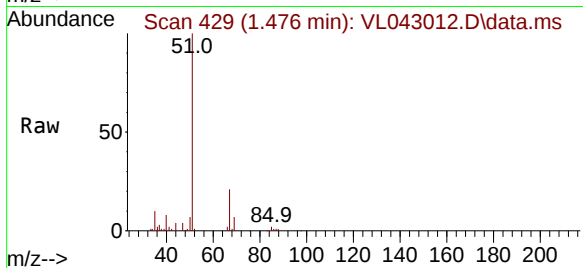
MDL-AIR-03-QT3-2025

Tgt Ion: 51 Resp: 12527

Ion Ratio Lower Upper

51 100

67 18.4 13.8 20.8



#4

Chloromethane

Concen: 0.512 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.003 min

Lab File: VL043012.D

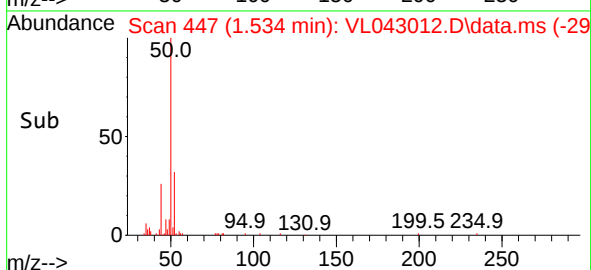
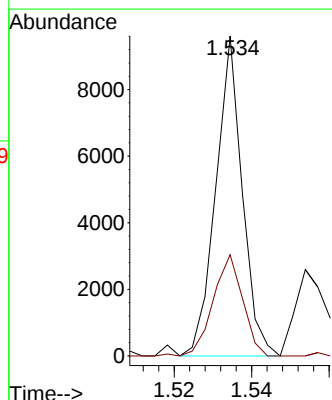
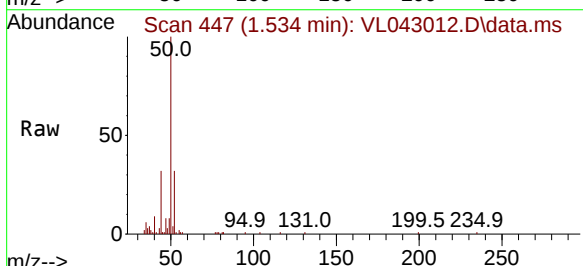
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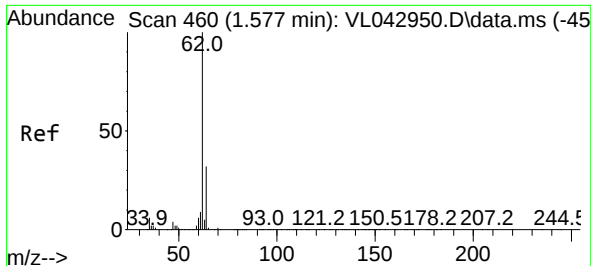
Tgt Ion: 50 Resp: 4563

Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9

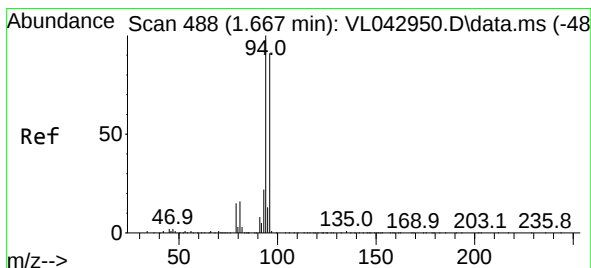
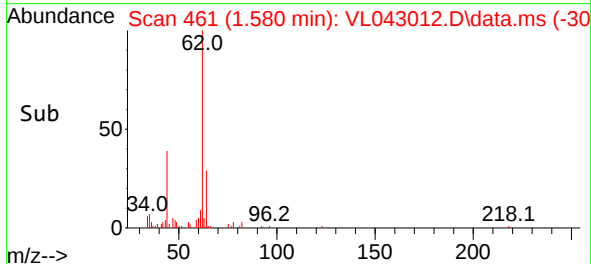
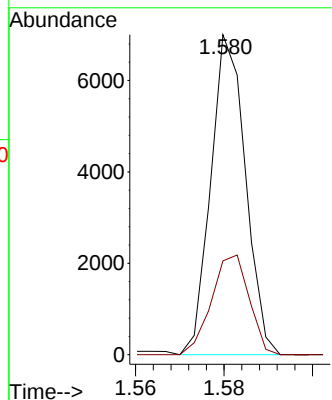
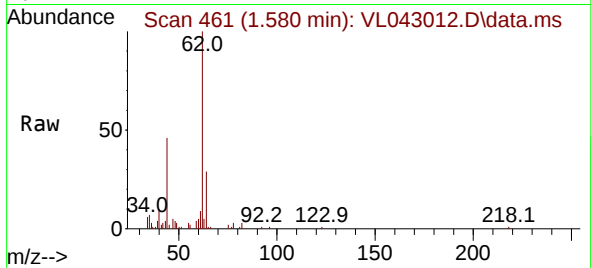




#5
 Vinyl Chloride
 Concen: 0.473 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

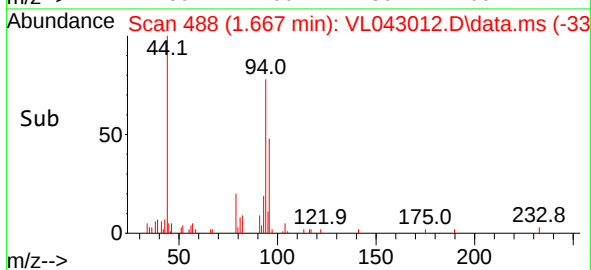
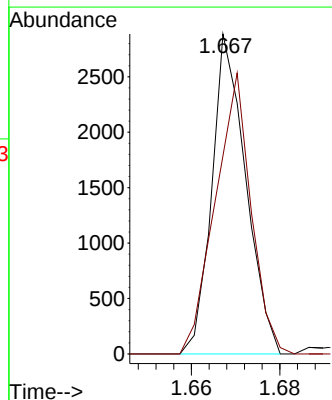
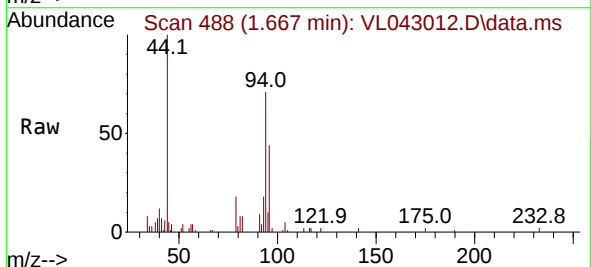
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

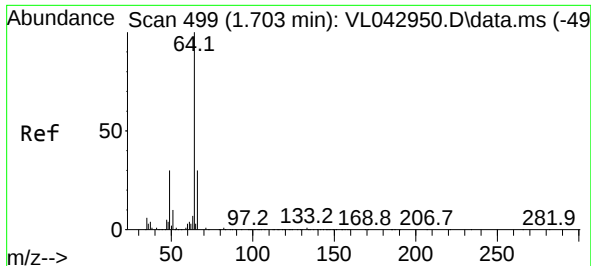
Tgt Ion: 62 Resp: 3806
 Ion Ratio Lower Upper
 62 100
 64 27.8 25.4 38.2



#6
 Bromomethane
 Concen: 0.541 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion: 94 Resp: 1537
 Ion Ratio Lower Upper
 94 100
 96 61.8 72.6 108.8#

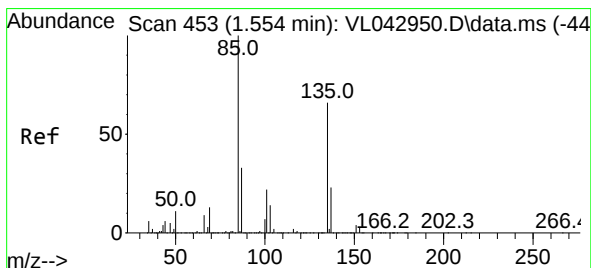
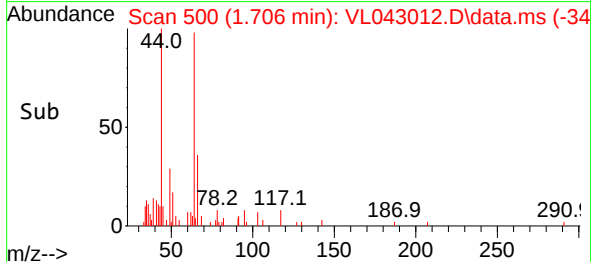
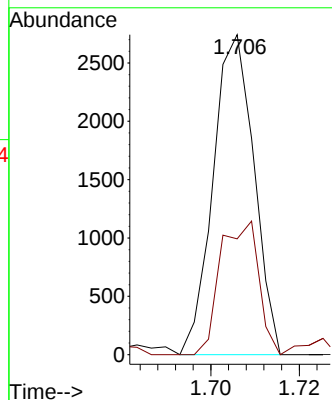
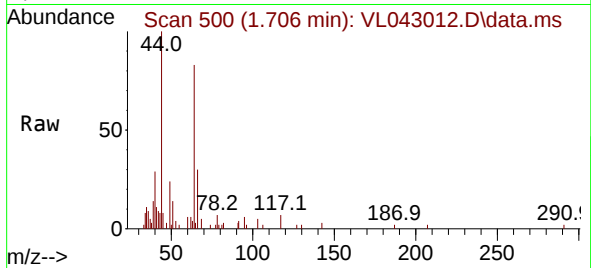




#7
Chloroethane
Concen: 0.563 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

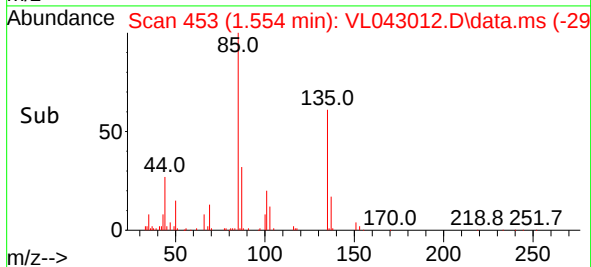
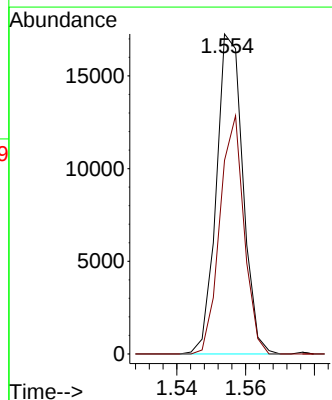
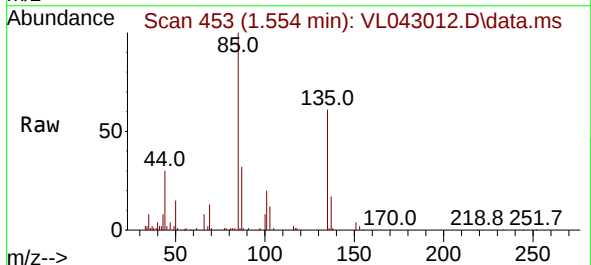
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ClientSampleId :
MDL-AIR-03-QT3-2025

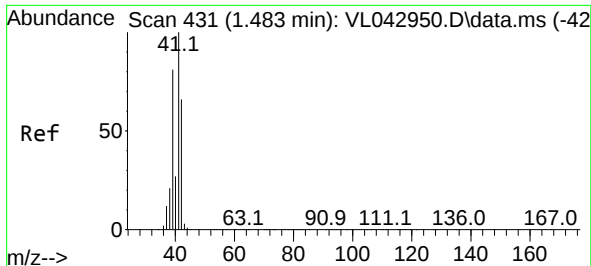
Tgt Ion: 64 Resp: 1760
Ion Ratio Lower Upper
64 100
66 34.8 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 0.551 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 85 Resp: 9248
Ion Ratio Lower Upper
85 100
135 67.8 49.7 74.5





#9

Propene

Concen: 0.463 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

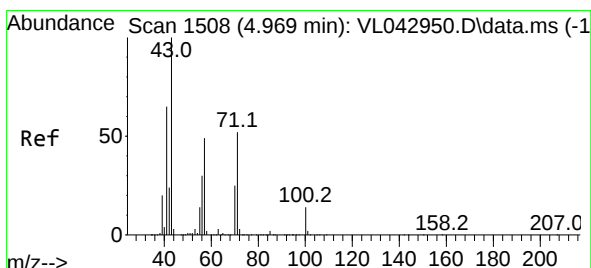
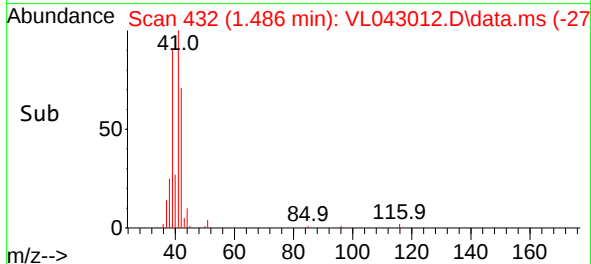
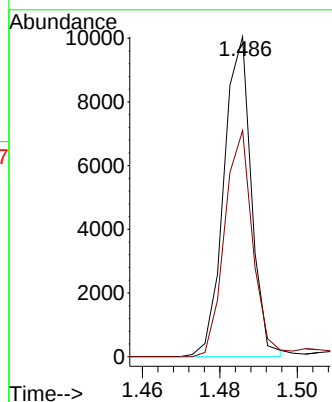
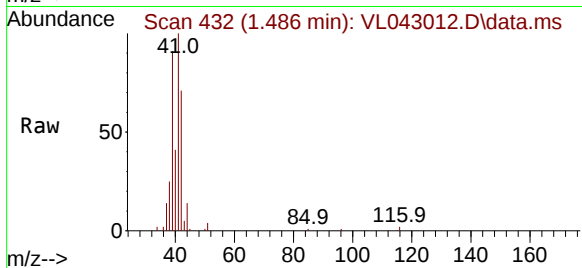
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 4939

Ion Ratio Lower Upper

41 100

42 77.4 57.4 86.2



#10

Heptane

Concen: 0.367 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.016 min

Lab File: VL043012.D

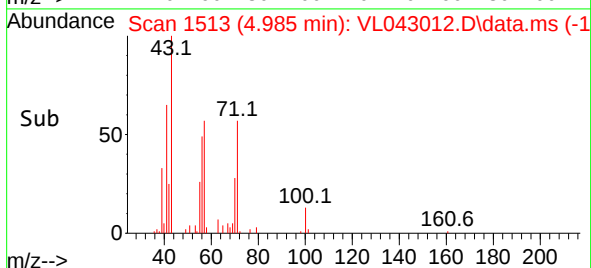
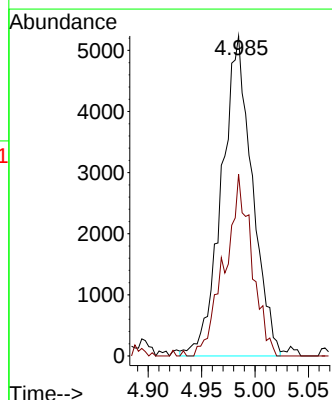
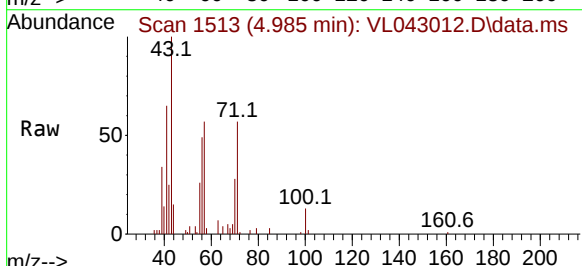
Acq: 24 Sep 2025 16:49

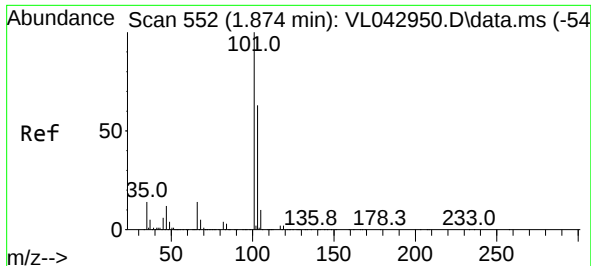
Tgt Ion: 43 Resp: 10437

Ion Ratio Lower Upper

43 100

57 50.4 38.6 57.8

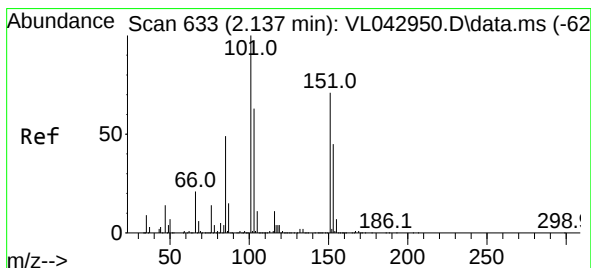
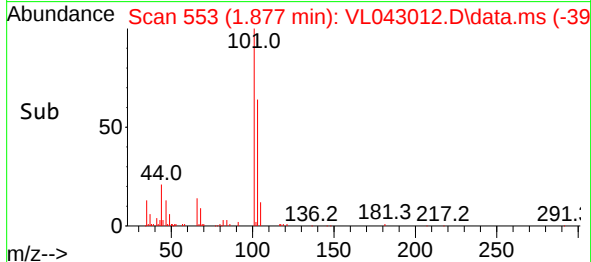
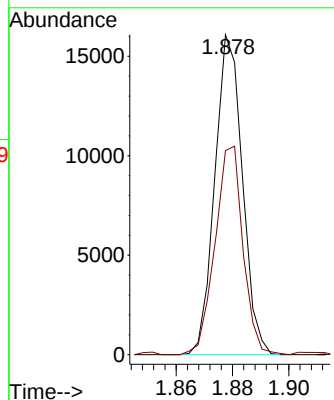
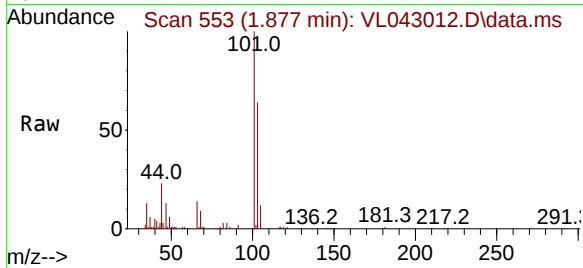




#11
 Trichlorofluoromethane
 Concen: 0.575 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

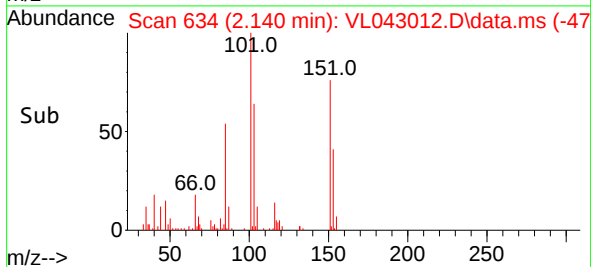
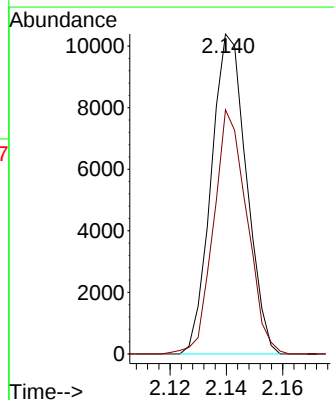
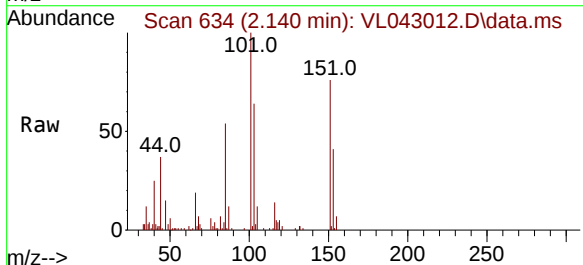
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

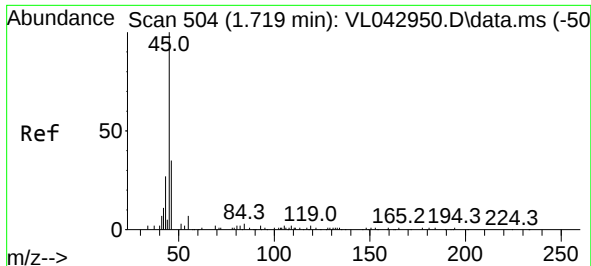
Tgt Ion:101 Resp: 10917
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.588 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion:101 Resp: 9033
 Ion Ratio Lower Upper
 101 100
 151 72.1 55.7 83.5

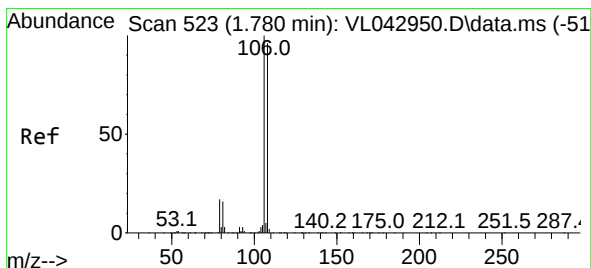
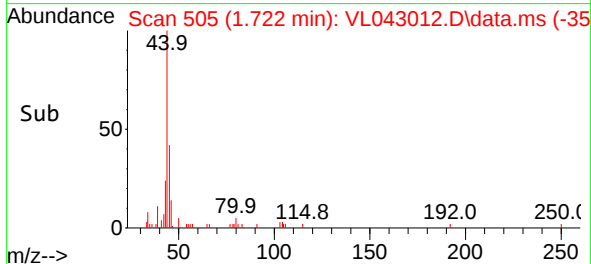
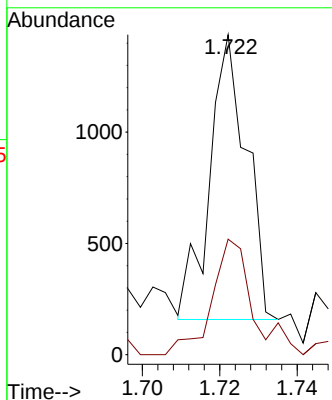
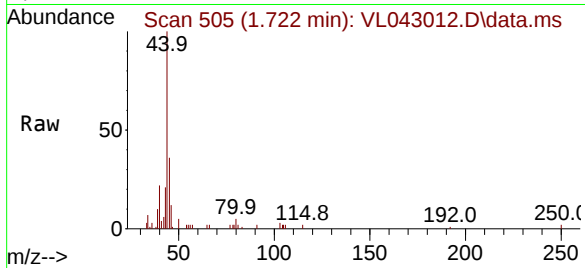




#13
Ethanol
Concen: 0.818 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

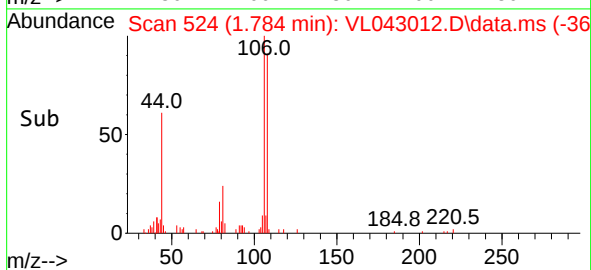
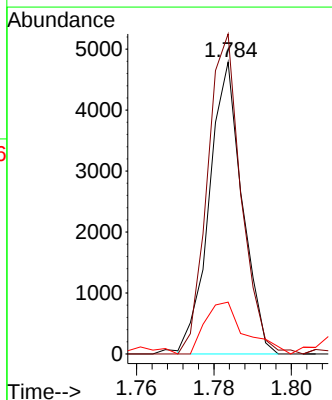
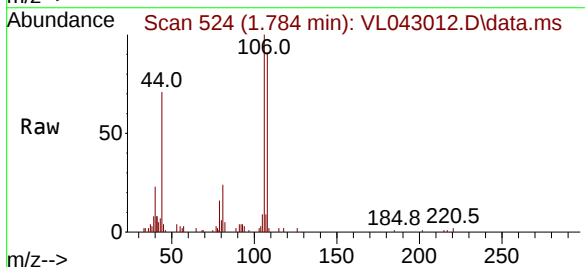
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

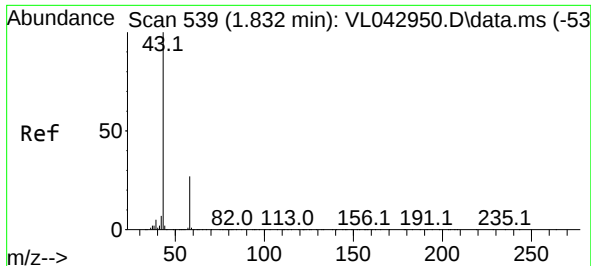
Tgt Ion: 45 Resp: 847
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#



#14
Bromoethene
Concen: 0.488 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 108 Resp: 2833
Ion Ratio Lower Upper
108 100
106 114.4 86.0 129.0
79 29.0 14.2 21.2#

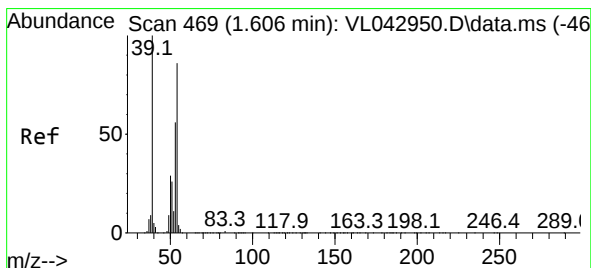
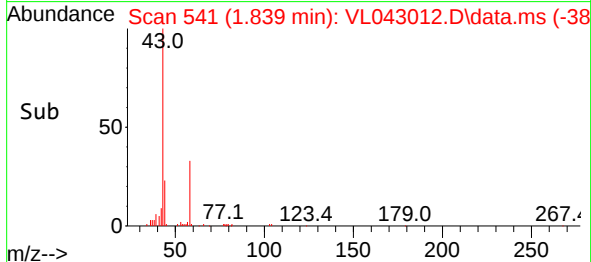
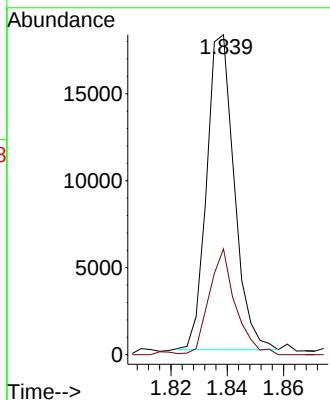
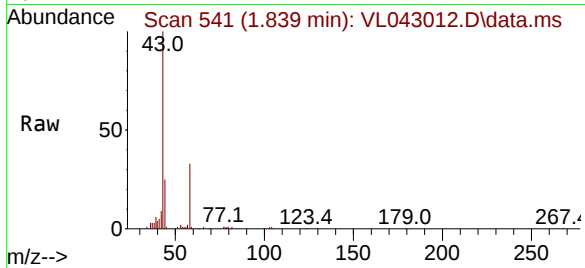




#15
Acetone
Concen: 0.647 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

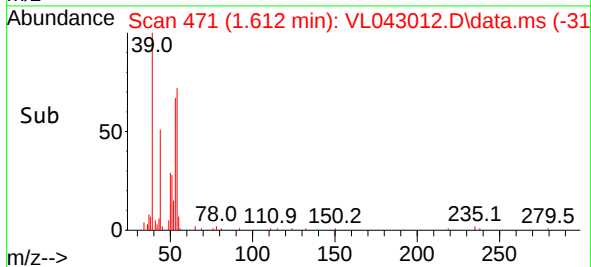
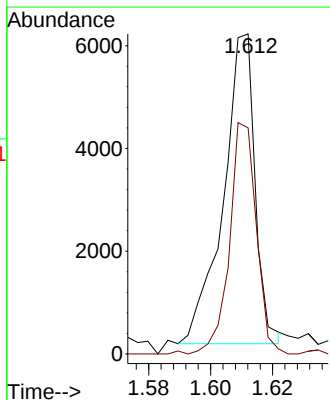
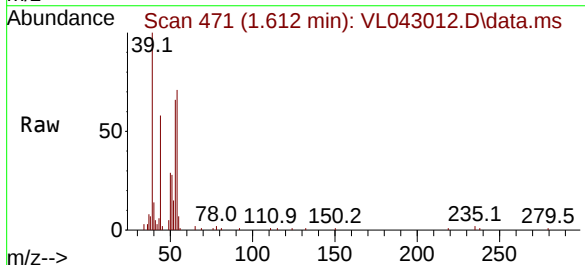
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

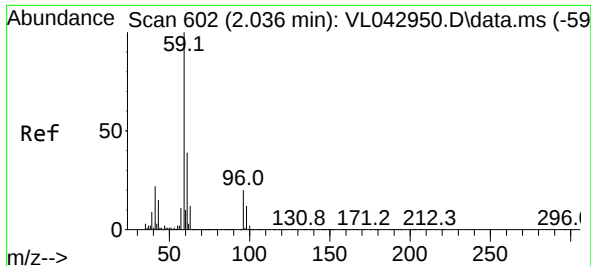
Tgt Ion: 43 Resp: 12331
Ion Ratio Lower Upper
43 100
58 32.5 22.3 33.5



#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 39 Resp: 4298
Ion Ratio Lower Upper
39 100
54 63.6 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.430 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

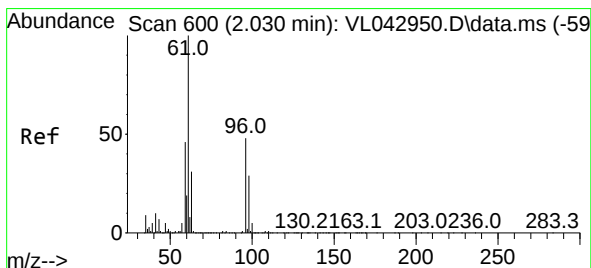
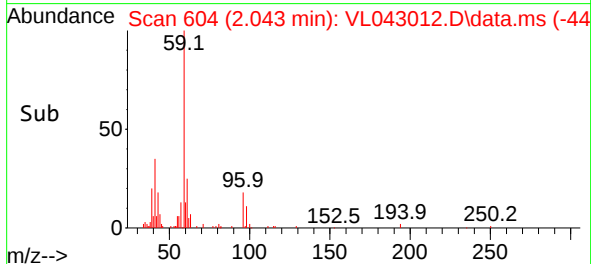
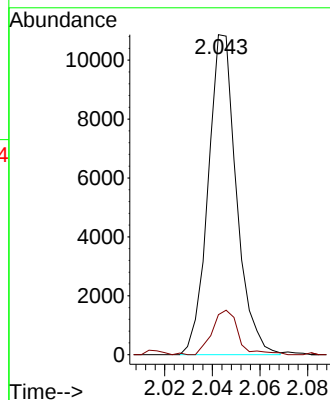
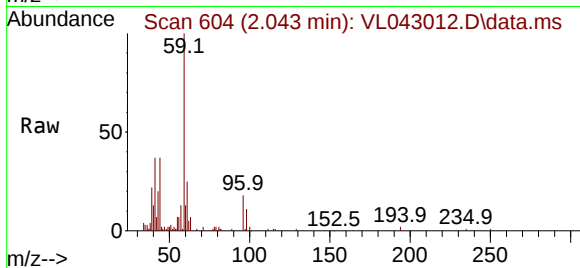
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 8980

Ion Ratio Lower Upper

59 100

57 13.8 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.559 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

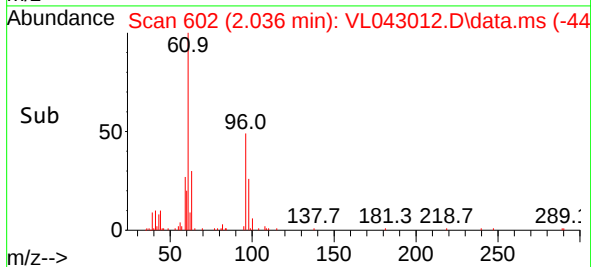
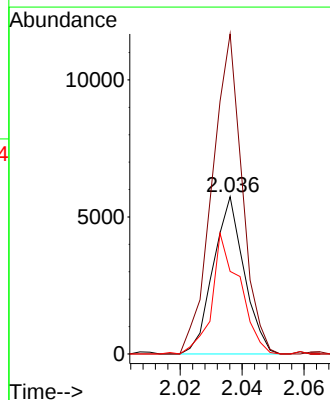
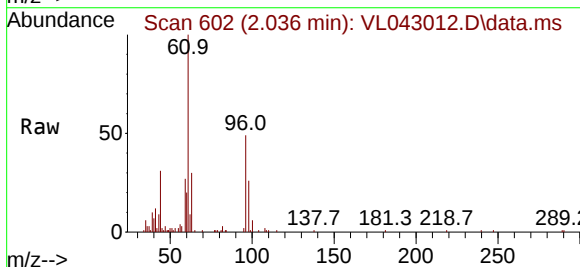
Tgt Ion: 96 Resp: 3972

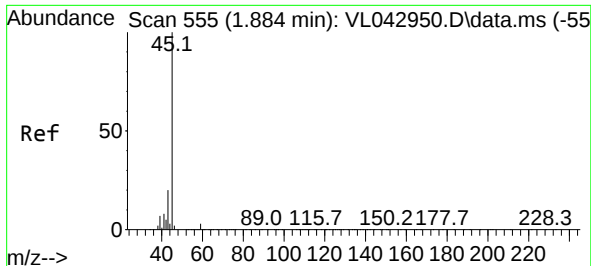
Ion Ratio Lower Upper

96 100

61 203.4 166.2 249.4

98 52.5 48.6 73.0





#19

Isopropyl Alcohol

Concen: 0.485 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

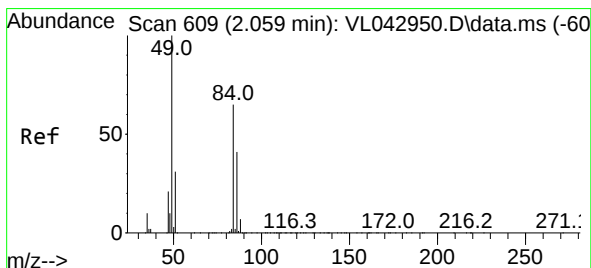
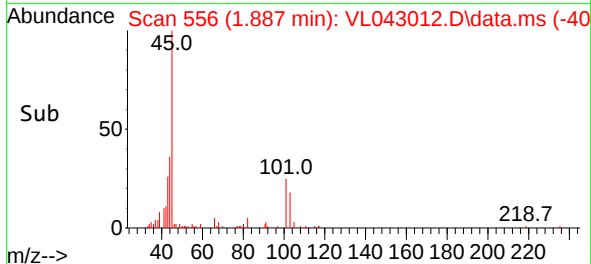
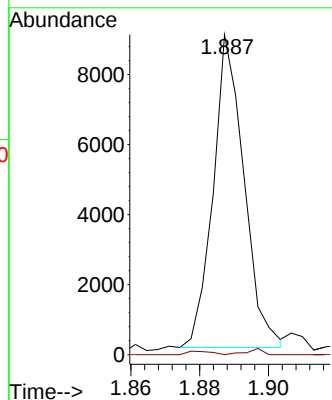
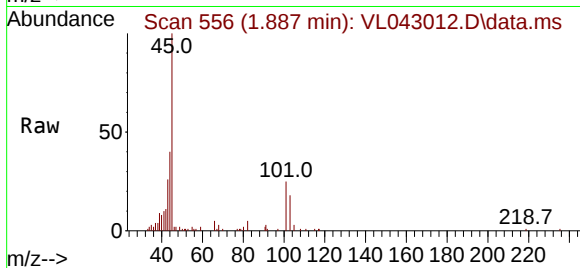
MDL-AIR-03-QT3-2025

Tgt Ion: 45 Resp: 5552

Ion Ratio Lower Upper

45 100

58 72.2 31.0 46.6#



#20

Methylene Chloride

Concen: 0.696 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Tgt Ion: 84 Resp: 5555

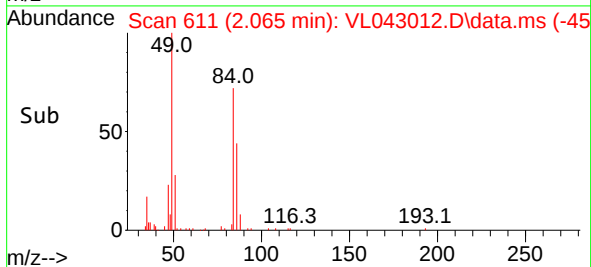
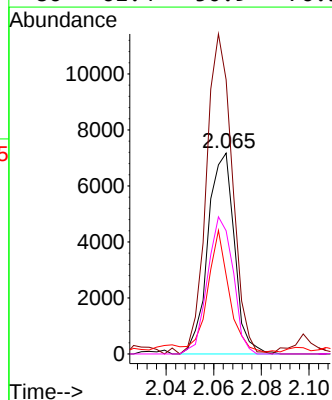
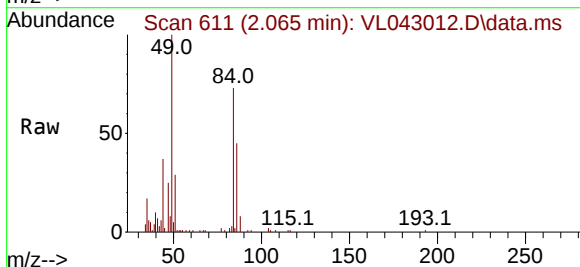
Ion Ratio Lower Upper

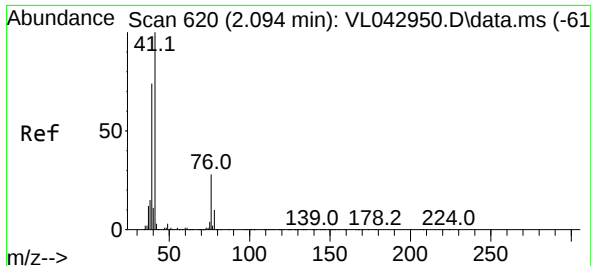
84 100

49 134.0 124.1 186.1

51 38.3 39.8 59.8#

86 61.4 50.9 76.3

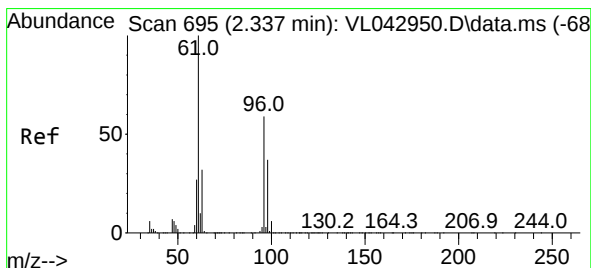
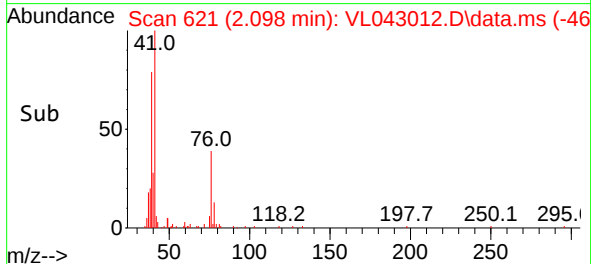
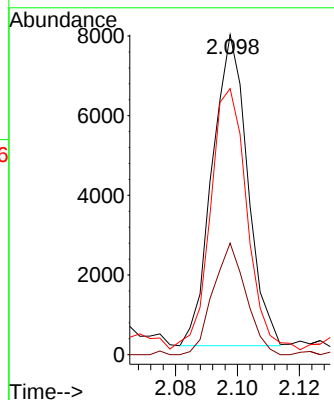
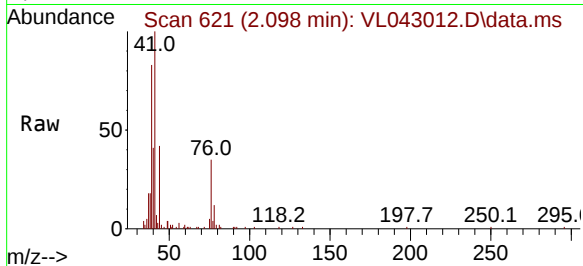




#21
 Allyl Chloride
 Concen: 0.468 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

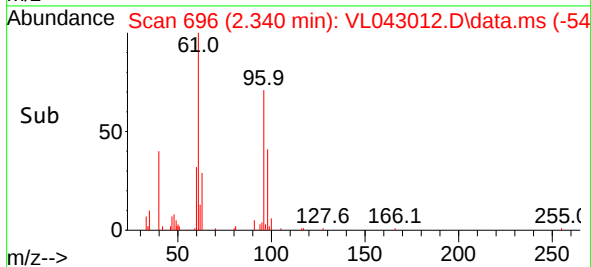
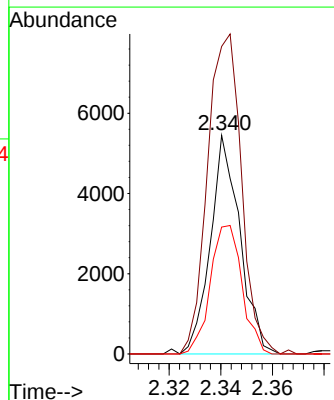
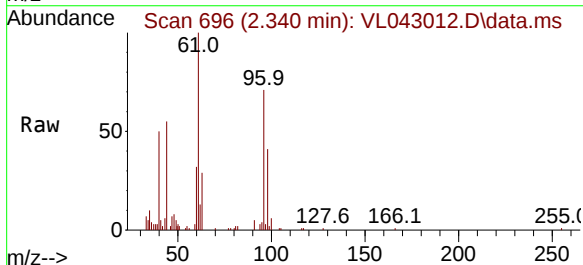
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

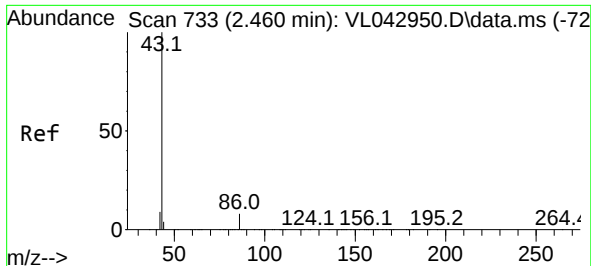
Tgt Ion: 41 Resp: 6208
 Ion Ratio Lower Upper
 41 100
 76 33.7 22.3 33.5#
 39 87.3 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.535 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion: 96 Resp: 4324
 Ion Ratio Lower Upper
 96 100
 61 140.7 136.5 204.7
 98 58.0 50.6 76.0

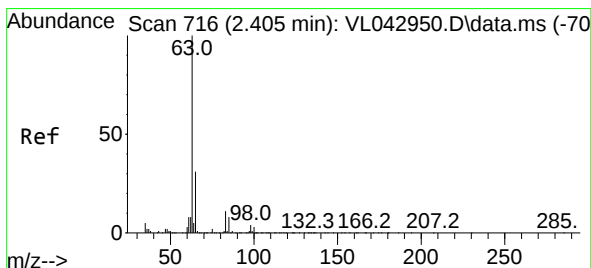
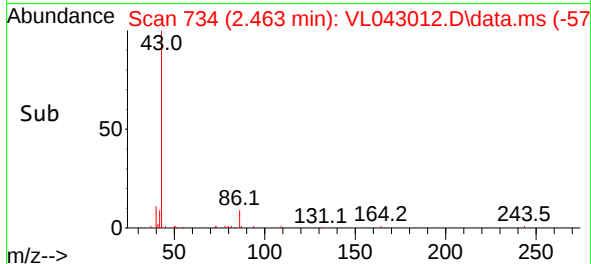
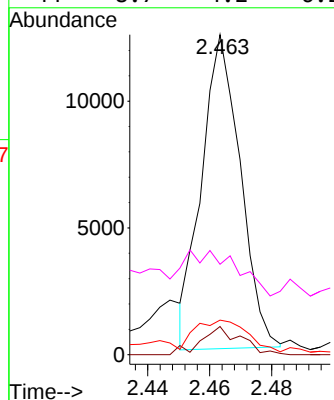
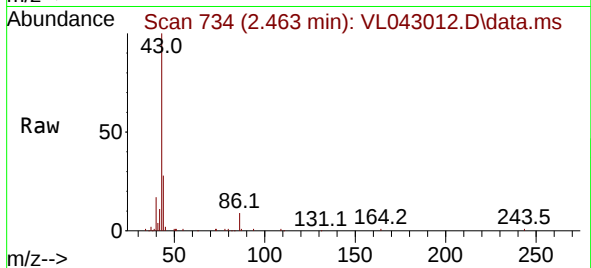




#23
 Vinyl Acetate
 Concen: 0.395 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

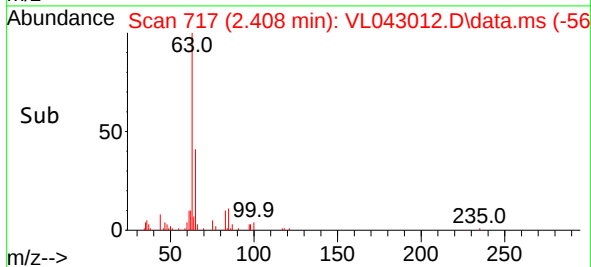
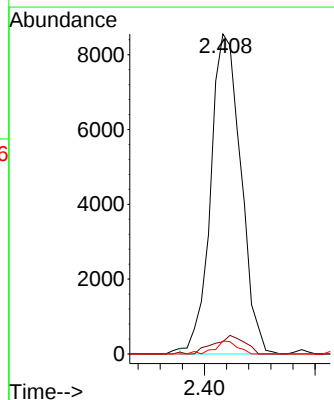
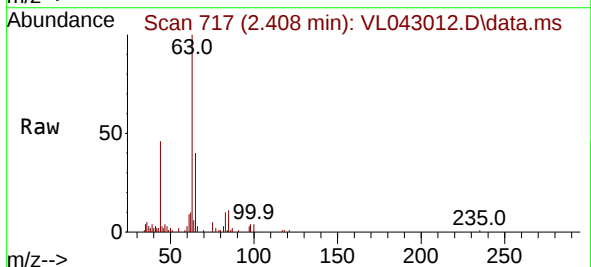
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

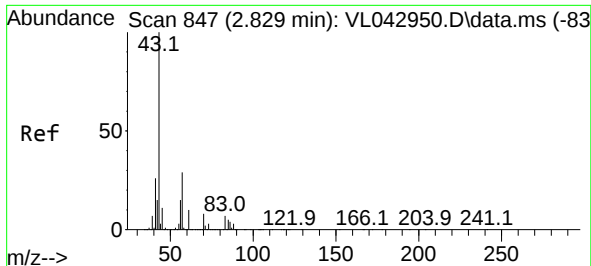
Tgt Ion:	43	Resp:	10748
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.2	9.2
42	10.2	7.4	11.0
44	8.7	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 0.511 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion:	63	Resp:	8100
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	4.0	1.4	4.0





#25

Ethyl Acetate

Concen: 0.430 ppbv

RT: 2.839 min Scan# 847

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 20685

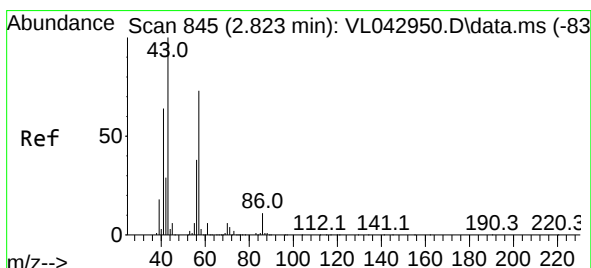
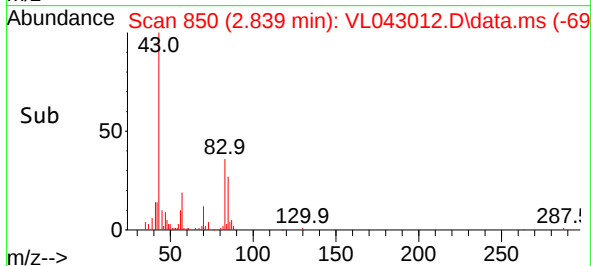
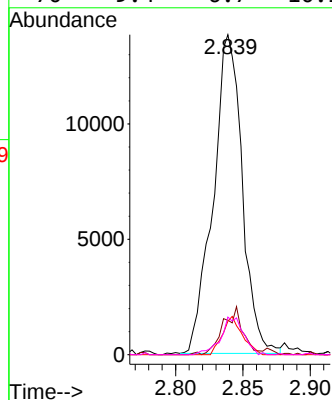
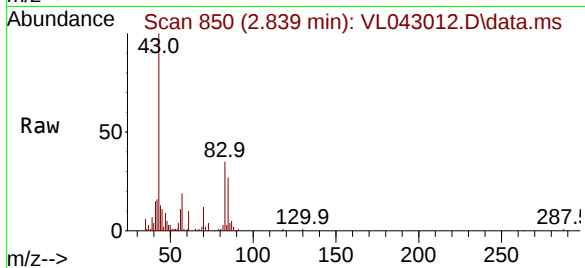
Ion Ratio Lower Upper

43 100

45 11.4 7.7 11.5

61 8.2 7.1 10.7

70 9.4 6.7 10.1



#26

Hexane

Concen: 0.420 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Tgt Ion: 57 Resp: 9220

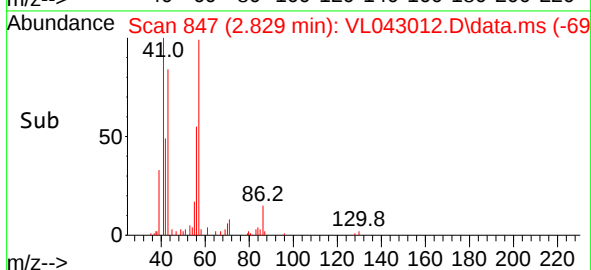
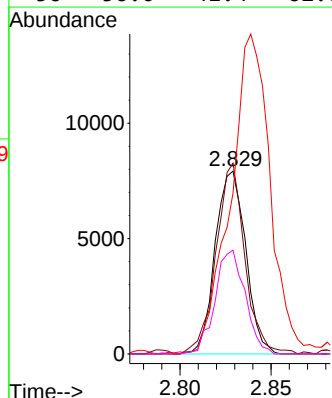
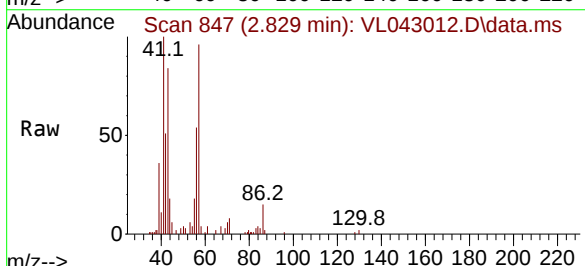
Ion Ratio Lower Upper

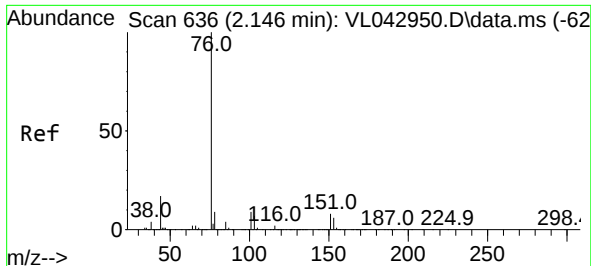
57 100

41 102.9 71.7 107.5

43 231.8 180.8 271.2

56 56.0 41.4 62.0

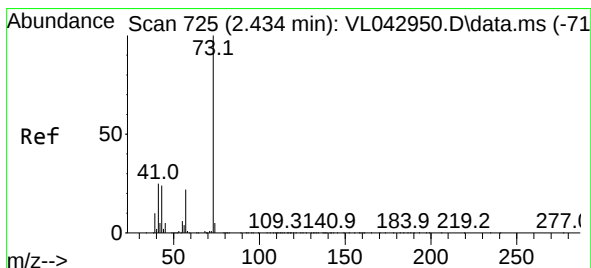
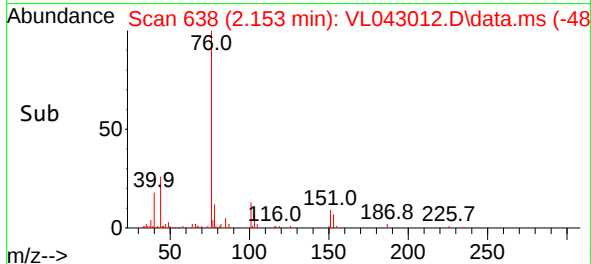
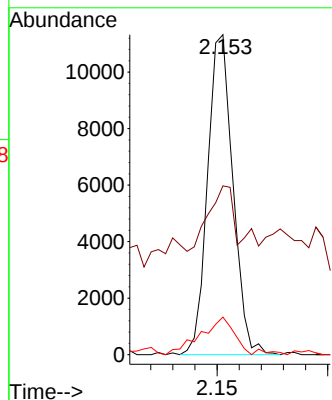
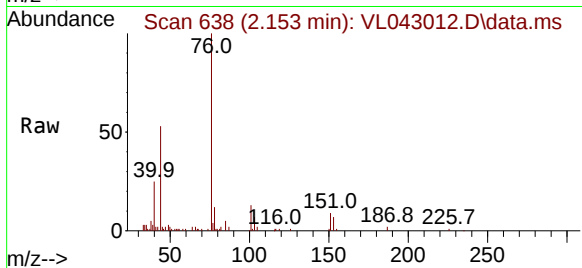




#27
Carbon Disulfide
Concen: 0.457 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

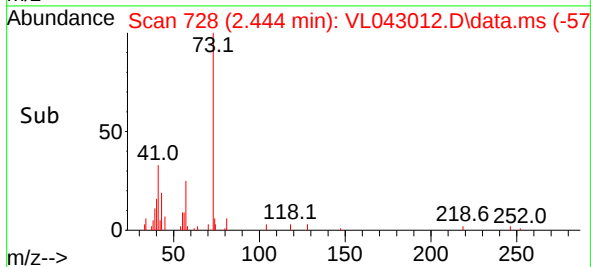
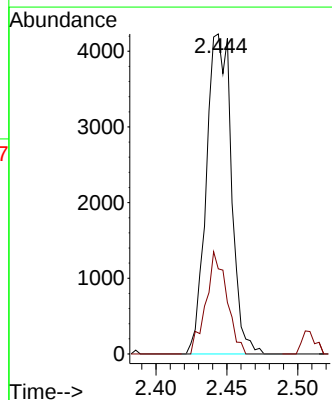
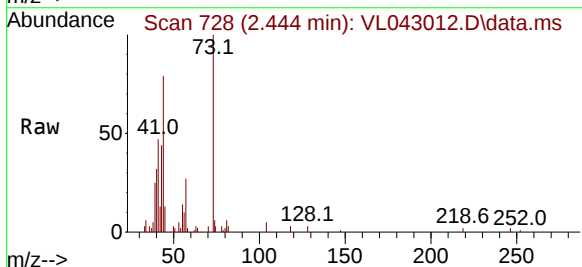
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

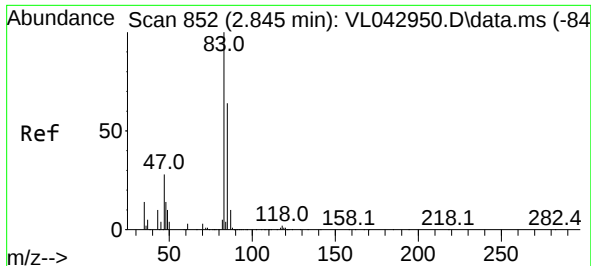
Tgt Ion: 76 Resp: 8989
Ion Ratio Lower Upper
76 100
44 92.9 15.6 23.4#
78 16.5 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.454 ppbv m
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 73 Resp: 5182
Ion Ratio Lower Upper
73 100
57 26.5 20.6 31.0





#29

Chloroform

Concen: 0.564 ppbv

RT: 2.848 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

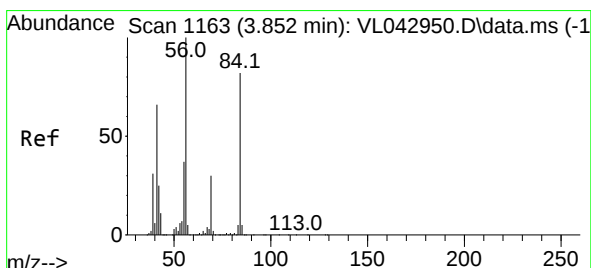
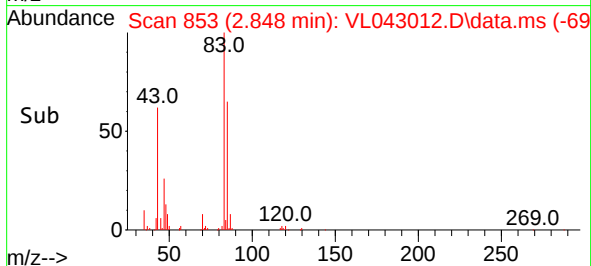
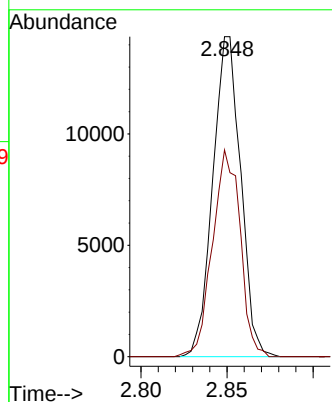
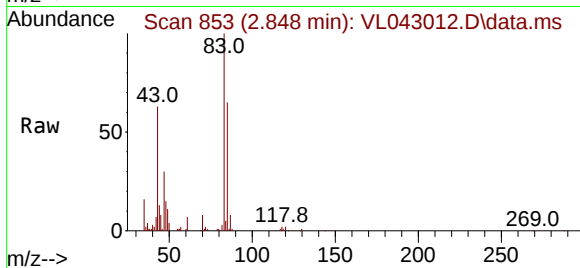
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 16195

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8



#30

Cyclohexane

Concen: 0.374 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

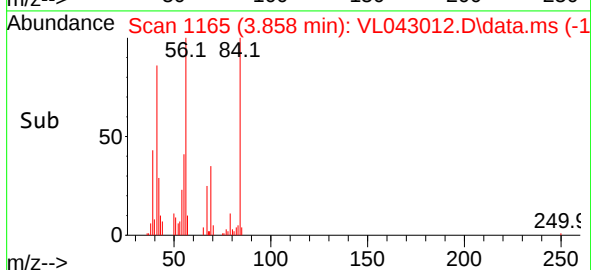
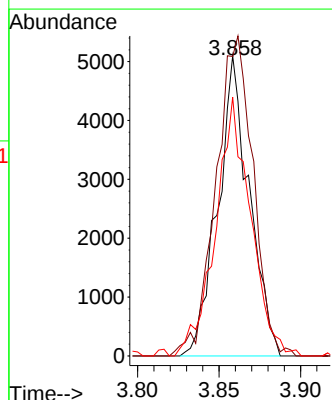
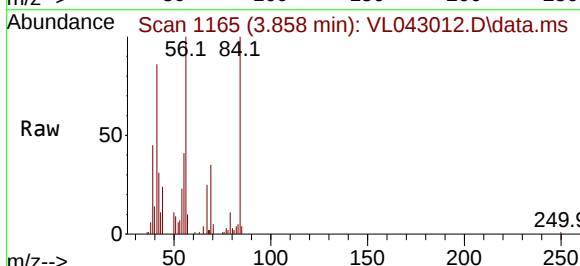
Tgt Ion: 84 Resp: 6868

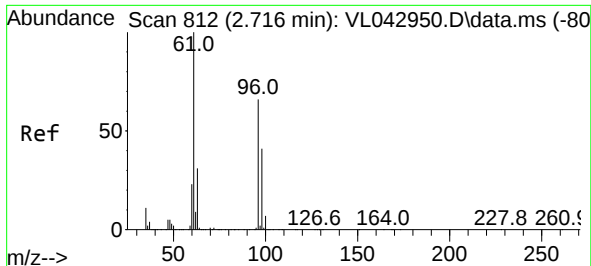
Ion Ratio Lower Upper

84 100

56 125.0 102.2 153.4

41 95.8 65.6 98.4

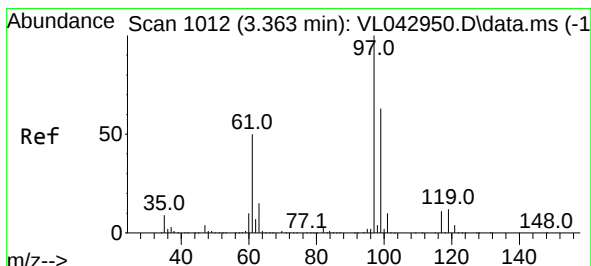
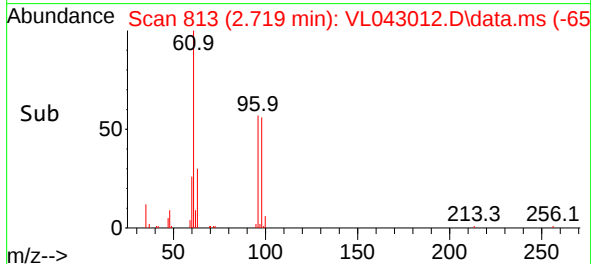
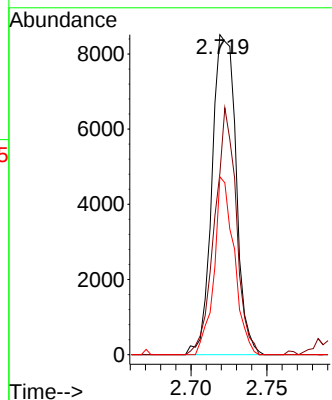
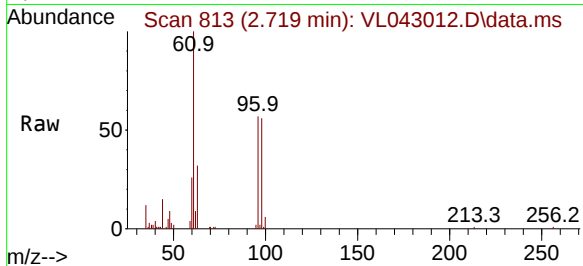




#31
 cis-1,2-Dichloroethene
 Concen: 0.454 ppbv m
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

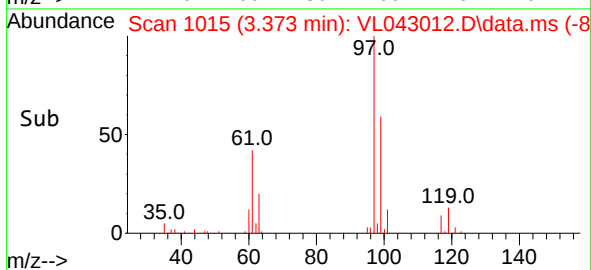
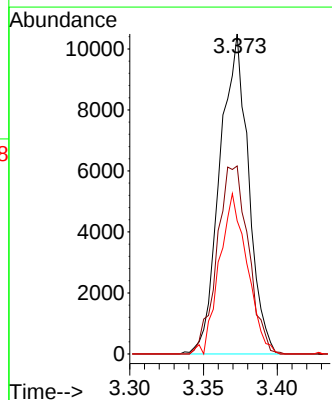
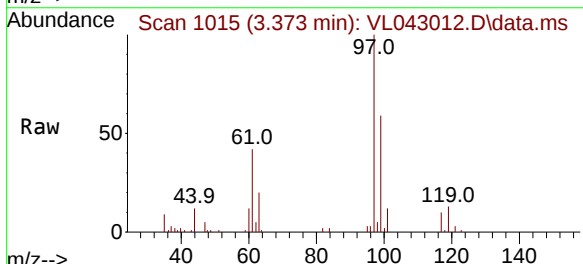
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

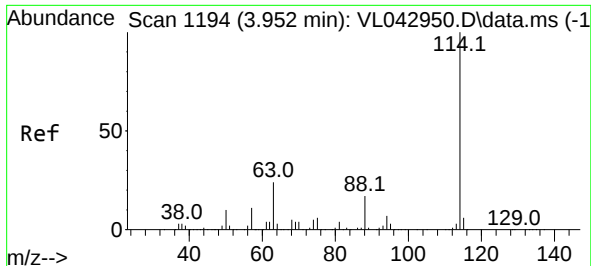
Tgt Ion: 61 Resp: 9336
 Ion Ratio Lower Upper
 61 100
 96 56.6 53.0 79.6
 98 55.6 32.9 49.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.456 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion: 97 Resp: 14135
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 48.9 39.8 59.6

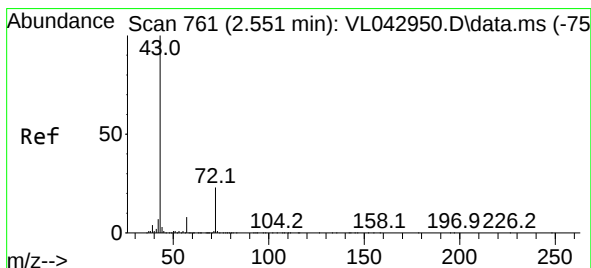
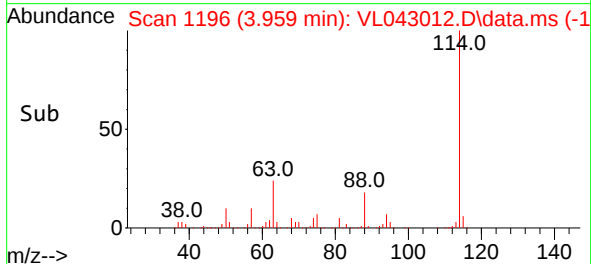
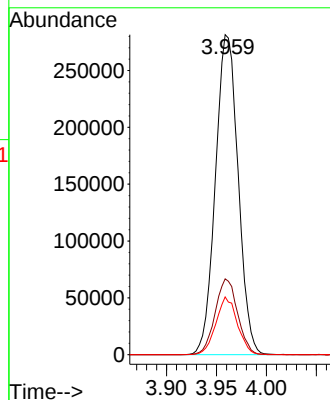
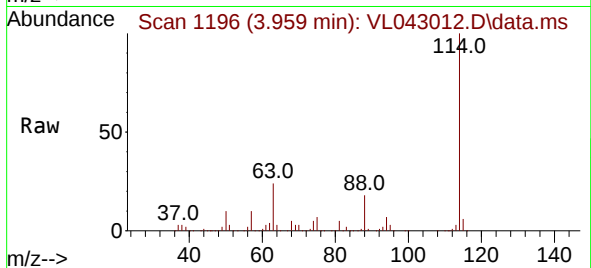




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

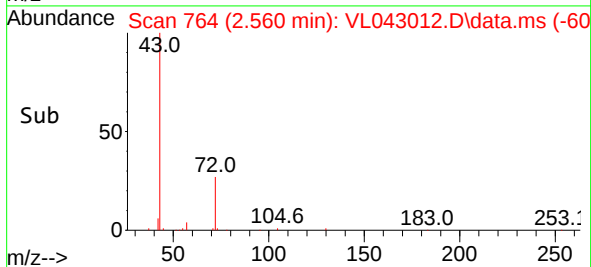
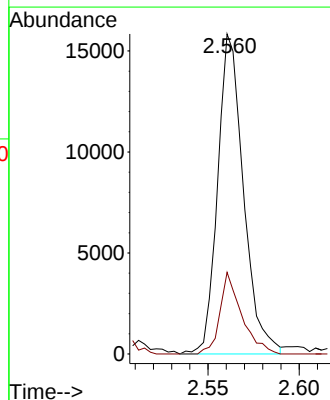
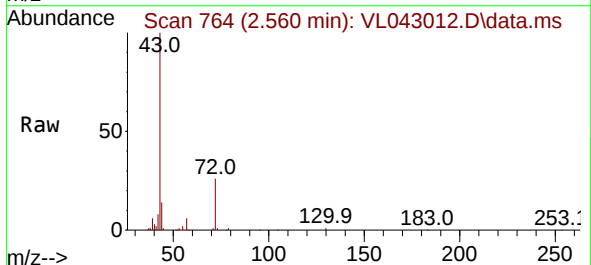
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

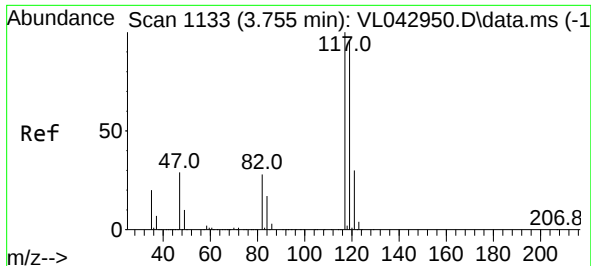
Tgt Ion:114 Resp: 445225
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.2
88 17.1 14.2 21.2



#34
2-Butanone
Concen: 0.500 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 43 Resp: 15595
Ion Ratio Lower Upper
43 100
72 21.4 17.7 26.5

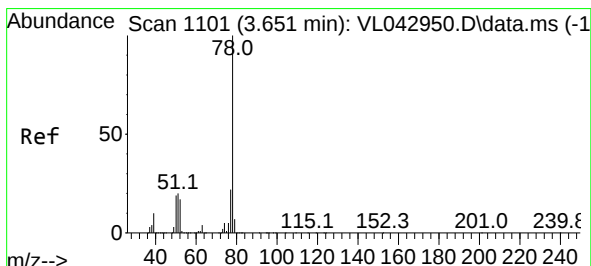
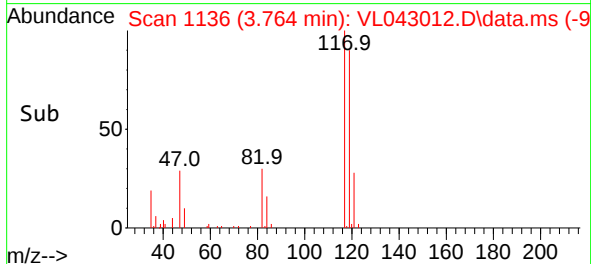
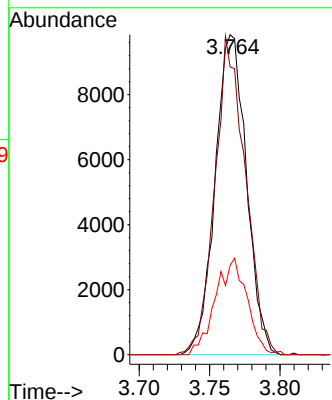
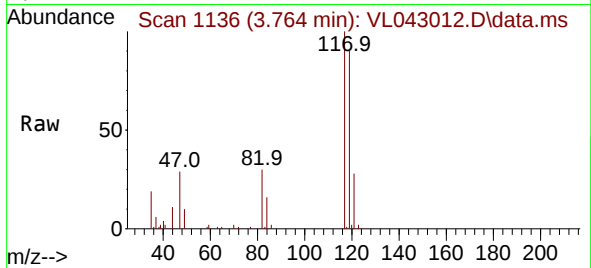




#35
Carbon Tetrachloride
Concen: 0.527 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

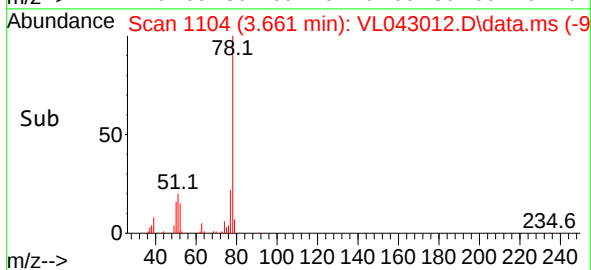
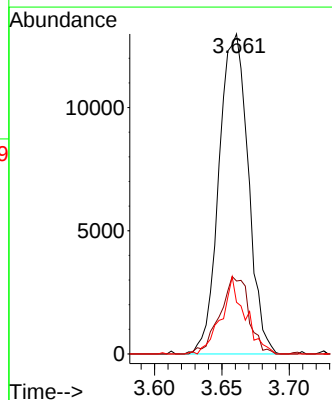
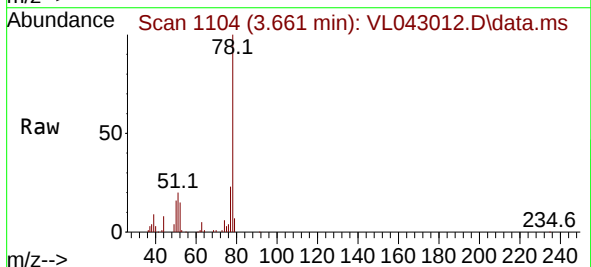
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

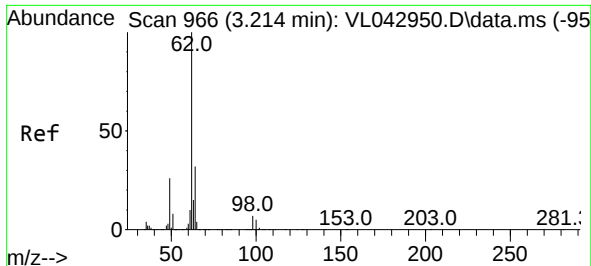
Tgt Ion:117 Resp: 15279
Ion Ratio Lower Upper
117 100
119 90.0 76.9 115.3
121 27.9 23.7 35.5



#36
Benzene
Concen: 0.468 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 78 Resp: 19561
Ion Ratio Lower Upper
78 100
77 22.8 17.8 26.6
50 16.2 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.525 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

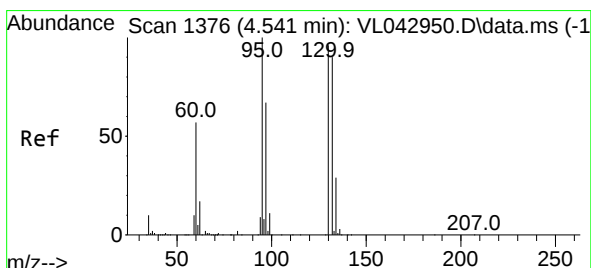
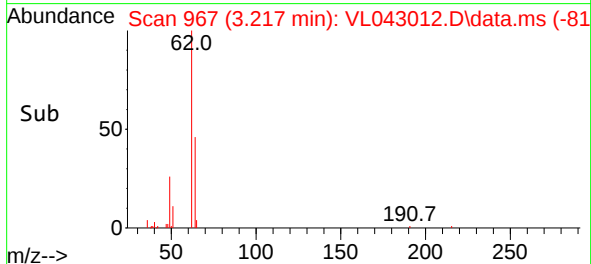
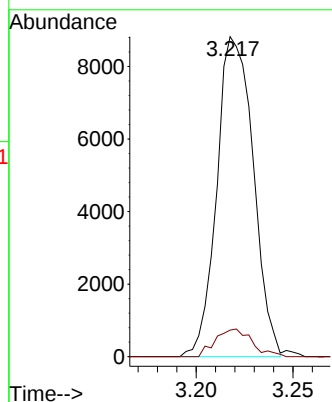
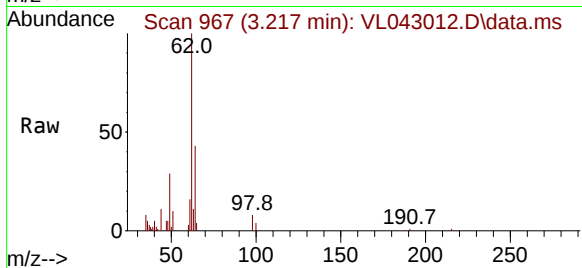
MDL-AIR-03-QT3-2025

Tgt Ion: 62 Resp: 11552

Ion Ratio Lower Upper

62 100

98 8.7 5.9 8.9



#38

Trichloroethene

Concen: 0.497 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Tgt Ion: 130 Resp: 10327

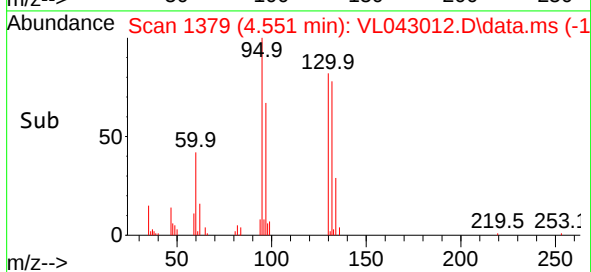
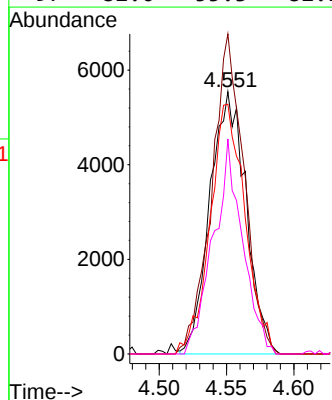
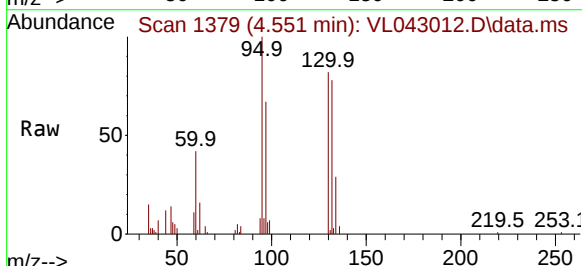
Ion Ratio Lower Upper

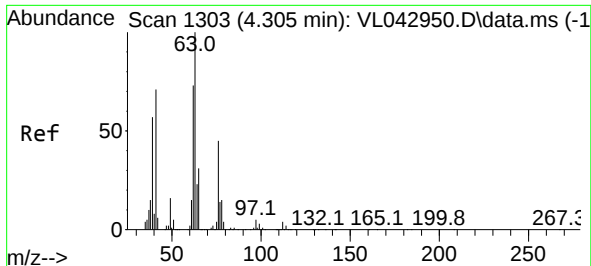
130 100

95 122.0 83.0 124.4

132 99.1 74.6 112.0

97 82.0 55.3 82.9





#39

1,2-Dichloropropane

Concen: 0.491 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.013 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

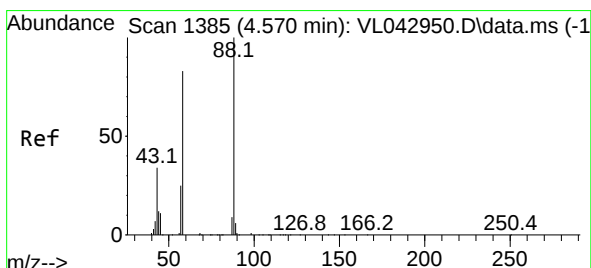
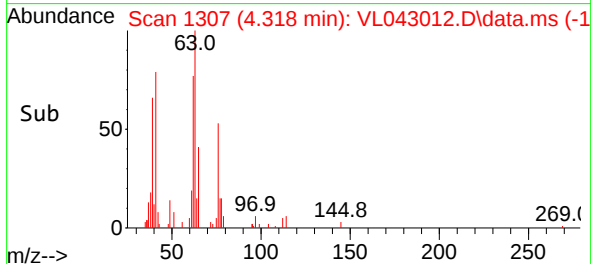
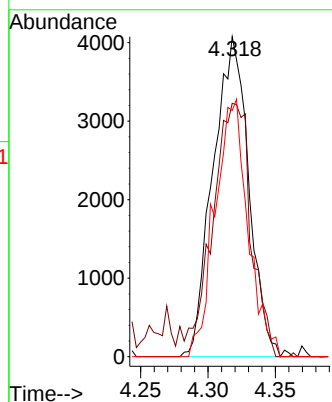
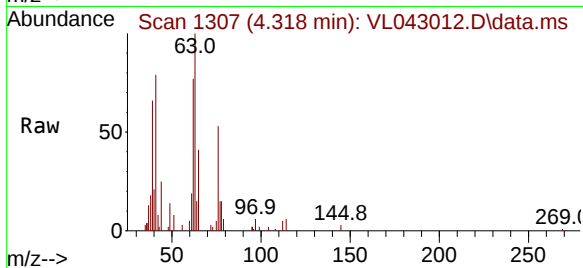
Tgt Ion: 63 Resp: 7501

Ion Ratio Lower Upper

63 100

41 79.1 57.5 86.3

62 77.0 58.5 87.7



#40

1,4-Dioxane

Concen: 0.424 ppbv m

RT: 4.606 min Scan# 1396

Delta R.T. 0.036 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Tgt Ion: 88 Resp: 3011

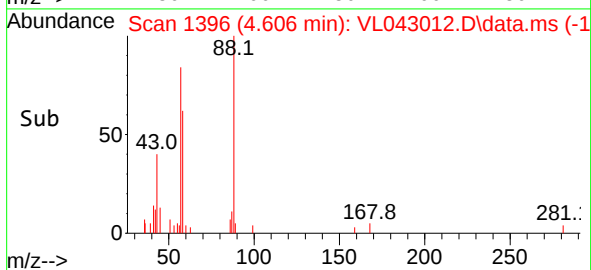
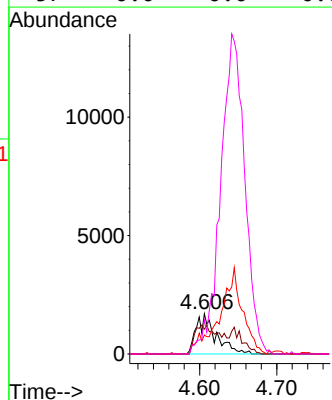
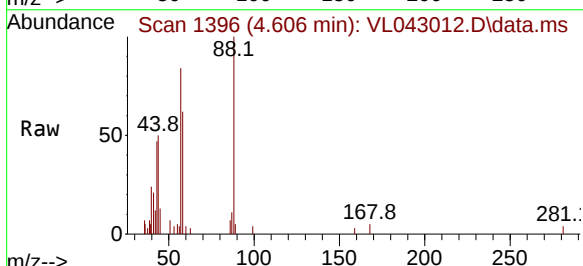
Ion Ratio Lower Upper

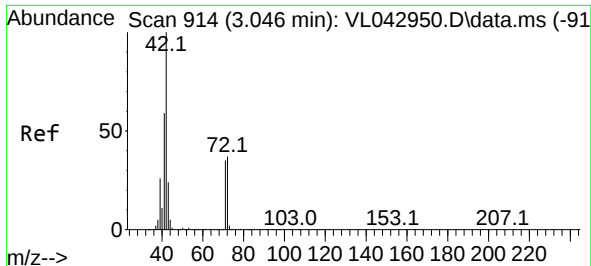
88 100

58 0.0 59.7 89.5#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

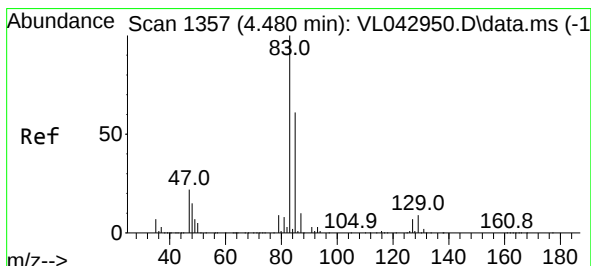
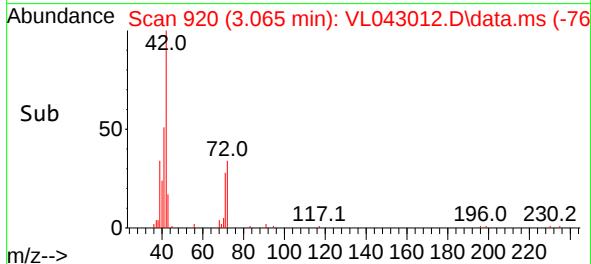
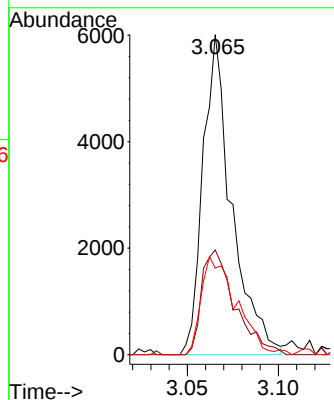
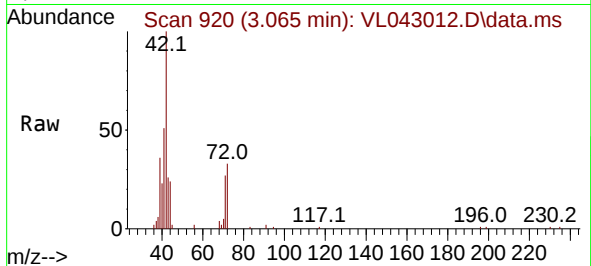




#41
Tetrahydrofuran
Concen: 0.368 ppbv
RT: 3.065 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

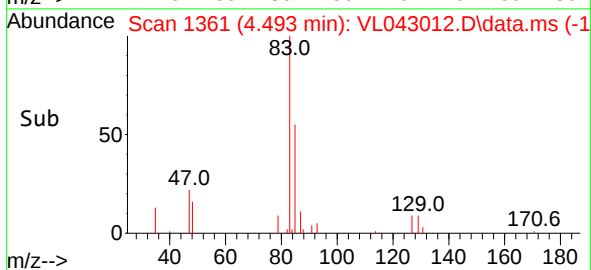
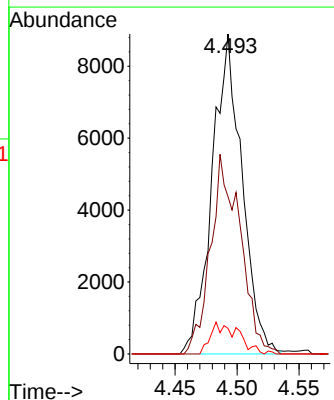
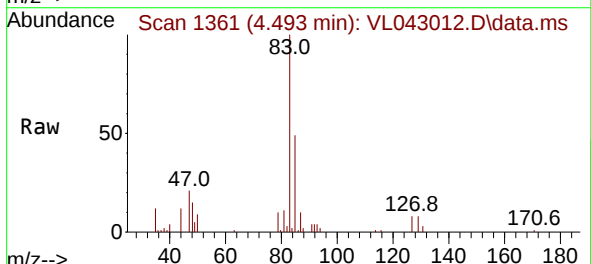
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

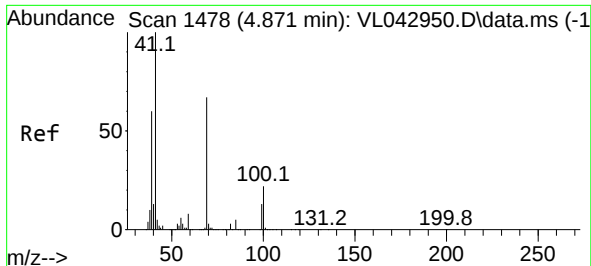
Tgt Ion: 42 Resp: 6606
Ion Ratio Lower Upper
42 100
72 37.9 30.0 45.0
71 38.3 28.8 43.2



#42
Bromodichloromethane
Concen: 0.489 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 83 Resp: 14965
Ion Ratio Lower Upper
83 100
85 49.6 49.0 73.6
127 8.1 5.3 7.9#

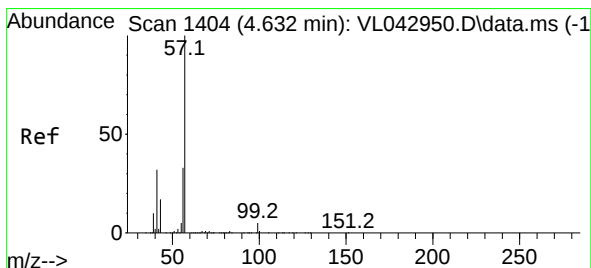
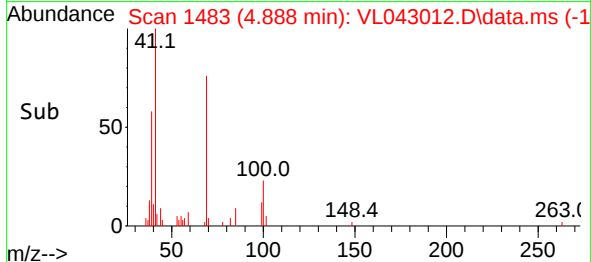
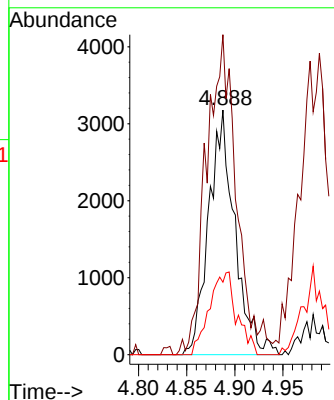
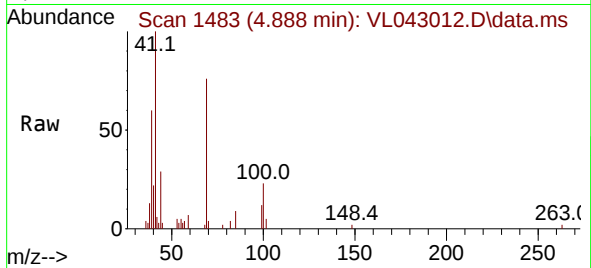




#43
Methyl Methacrylate
Concen: 0.350 ppbv m
RT: 4.888 min Scan# 1478
Delta R.T. 0.016 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

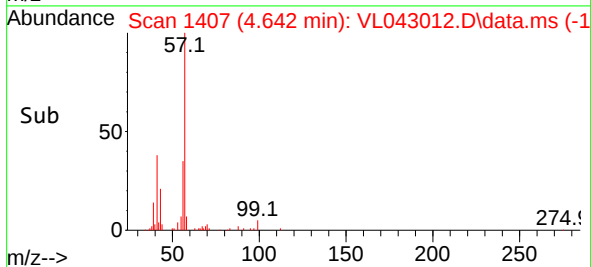
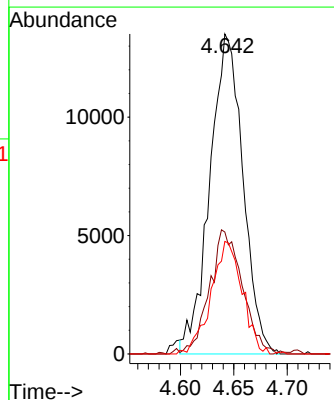
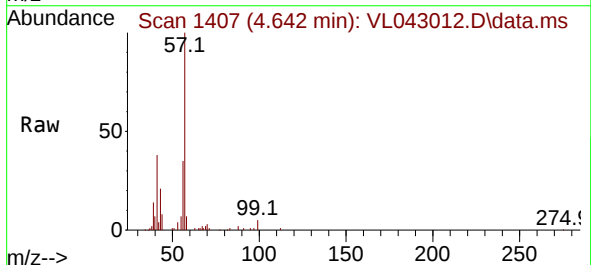
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

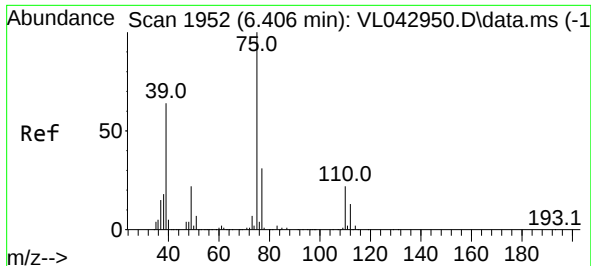
Tgt Ion: 69 Resp: 5982
Ion Ratio Lower Upper
69 100
41 151.8 124.5 186.7
100 35.6 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 0.403 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 57 Resp: 29134
Ion Ratio Lower Upper
57 100
41 39.1 25.5 38.3#
56 33.2 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 0.319 ppbv m

RT: 6.422 min Scan# 1952

Delta R.T. 0.016 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

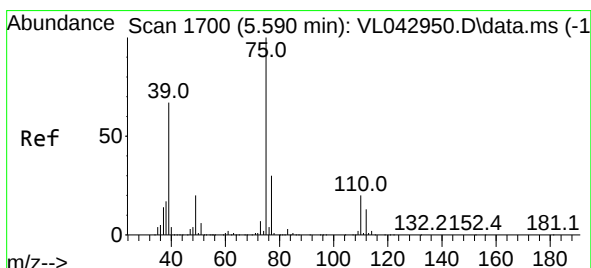
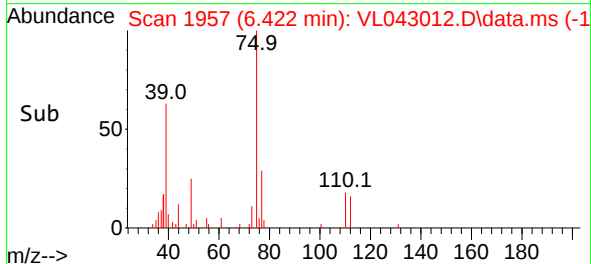
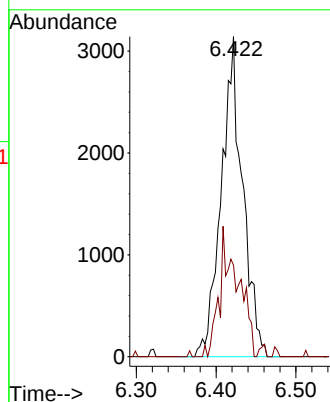
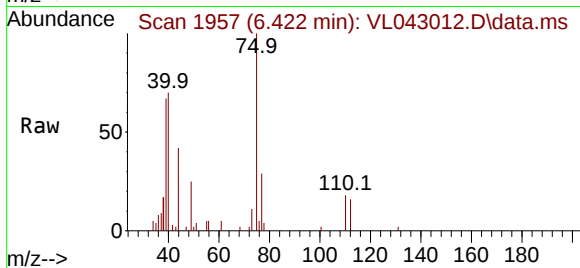
MDL-AIR-03-QT3-2025

Tgt Ion: 75 Resp: 5828

Ion Ratio Lower Upper

75 100

77 28.7 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.370 ppbv m

RT: 5.603 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

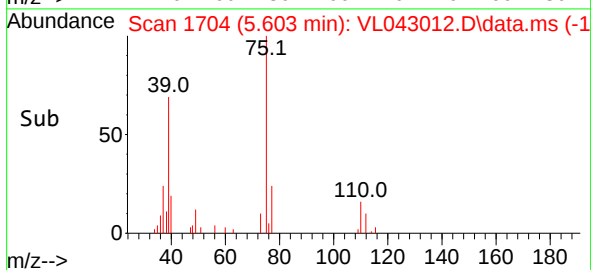
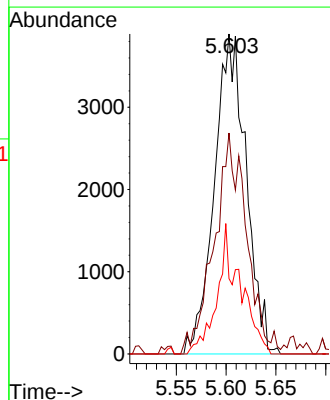
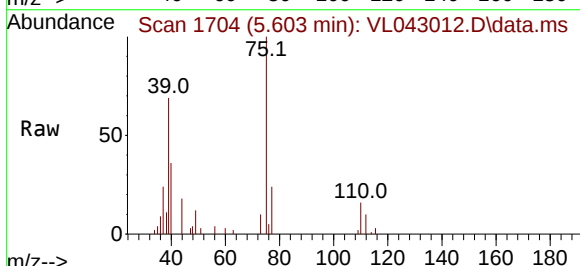
Tgt Ion: 75 Resp: 8605

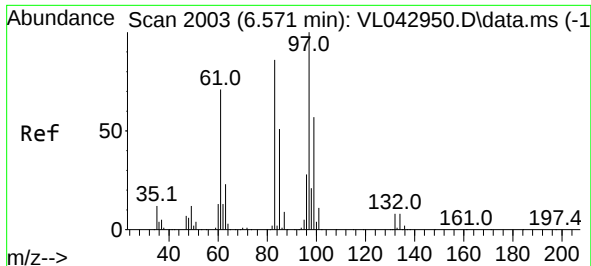
Ion Ratio Lower Upper

75 100

39 69.0 53.8 80.6

77 23.5 23.6 35.4#

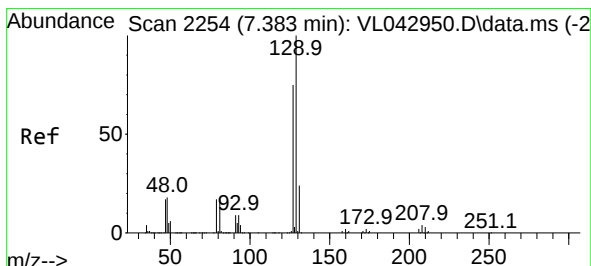
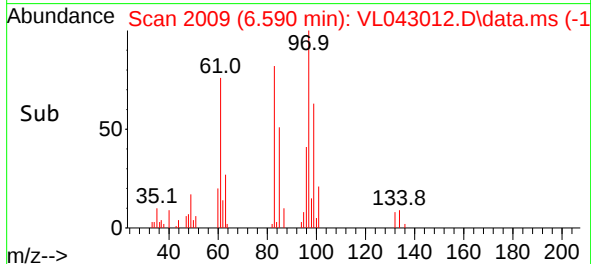
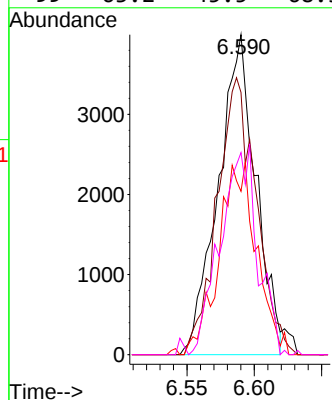
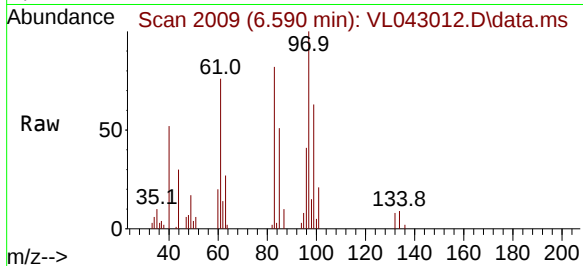




#47
1,1,2-Trichloroethane
Concen: 0.480 ppbv
RT: 6.590 min Scan# 2009
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

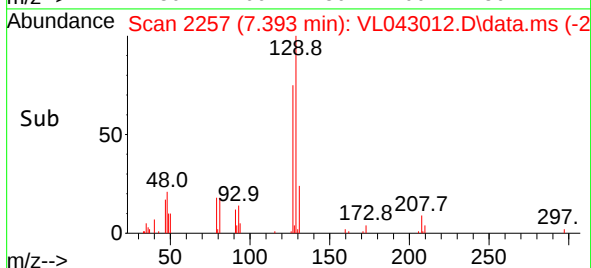
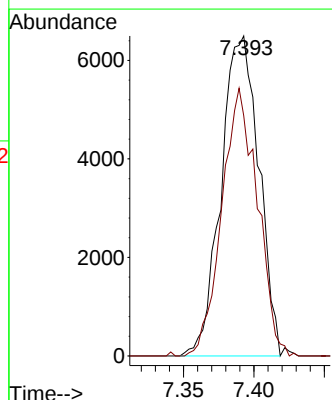
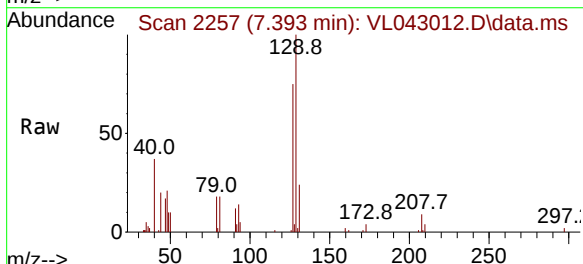
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

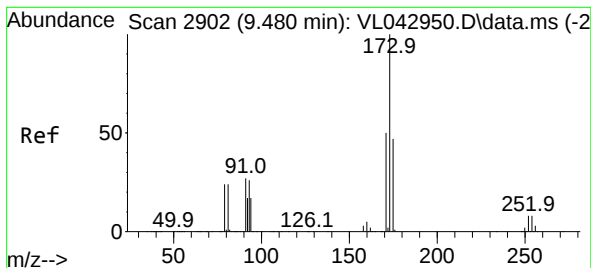
Tgt Ion: 97 Resp: 7742
Ion Ratio Lower Upper
97 100
83 82.0 68.7 103.1
85 51.0 40.6 60.8
99 63.2 45.5 68.3



#48
Dibromochloromethane
Concen: 0.469 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 129 Resp: 12112
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.2





#49

Bromoform

Concen: 0.463 ppbv

RT: 9.487 min Scan# 2902

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

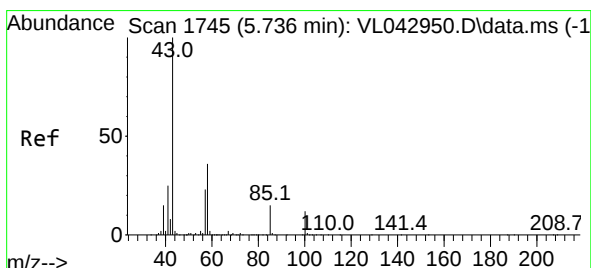
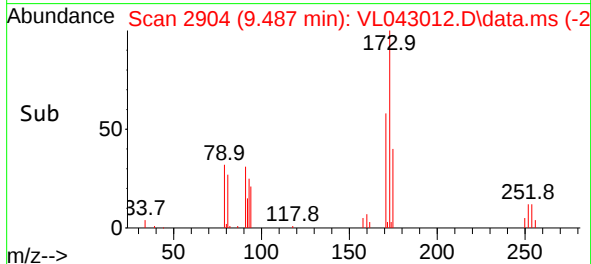
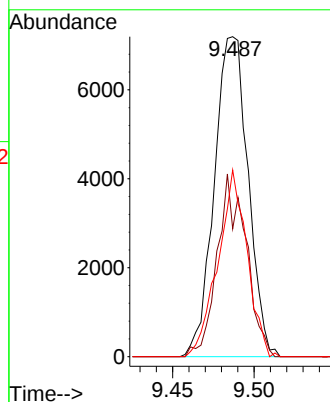
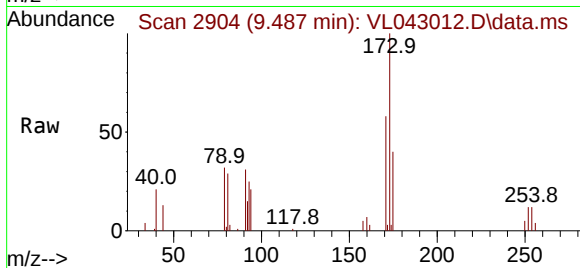
Tgt Ion:173 Resp: 10384

Ion Ratio Lower Upper

173 100

175 48.8 37.9 56.9

171 50.0 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.351 ppbv m

RT: 5.768 min Scan# 1755

Delta R.T. 0.032 min

Lab File: VL043012.D

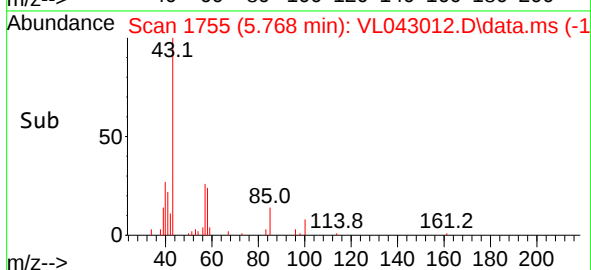
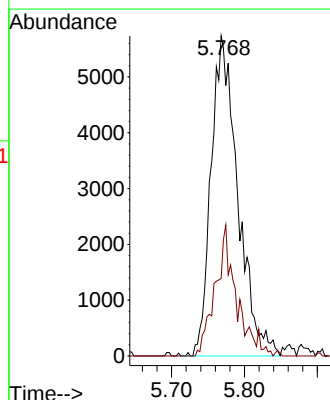
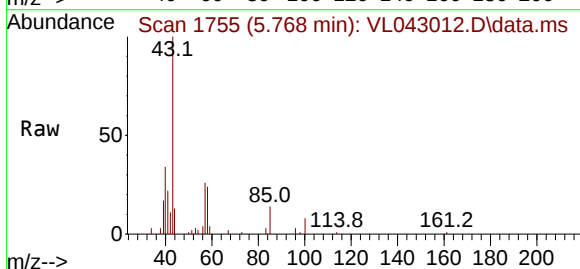
Acq: 24 Sep 2025 16:49

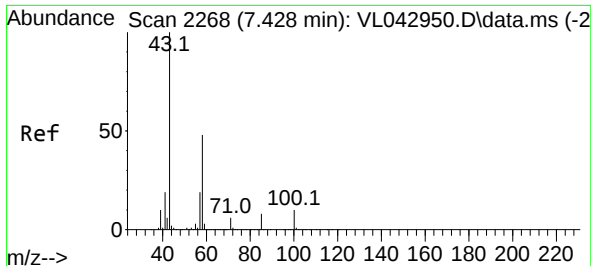
Tgt Ion: 43 Resp: 14662

Ion Ratio Lower Upper

43 100

58 32.4 28.4 42.6

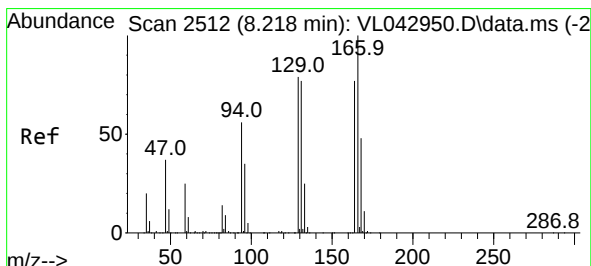
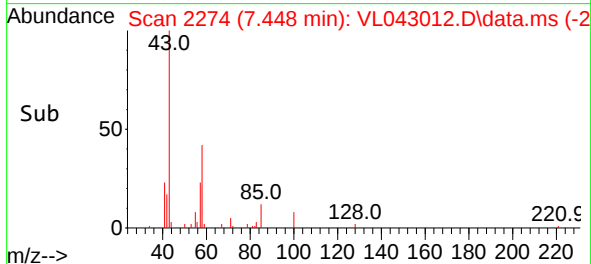
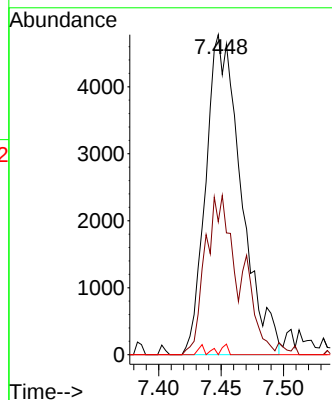
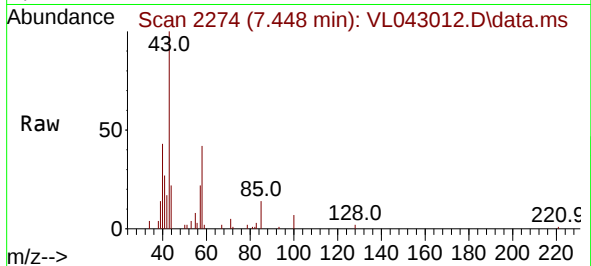




#51
2-Hexanone
Concen: 0.283 ppbv m
RT: 7.448 min Scan# 2151
Delta R.T. 0.019 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

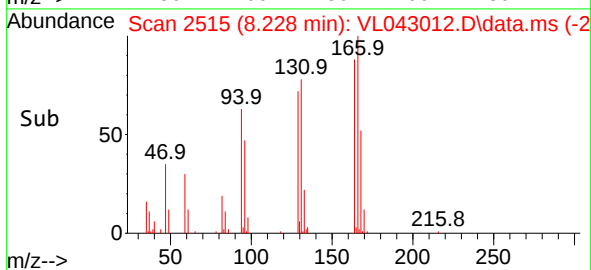
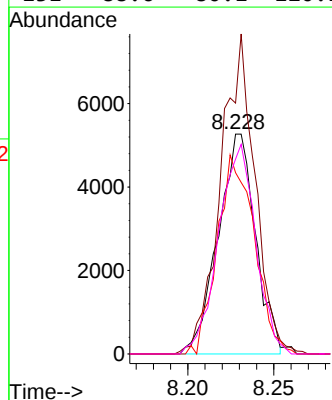
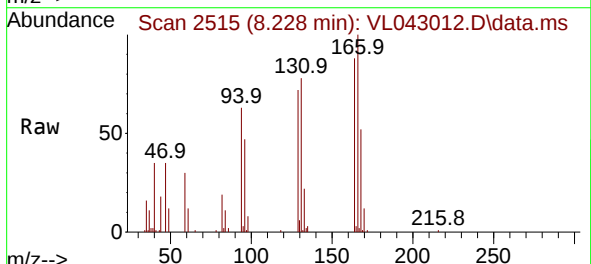
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

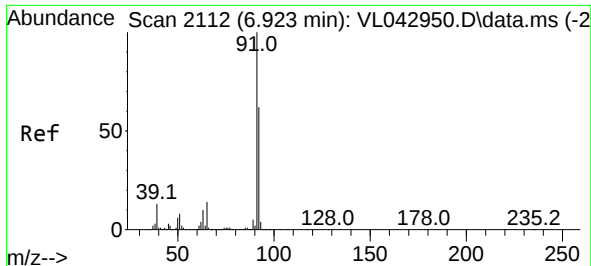
Tgt Ion: 43 Resp: 9439
Ion Ratio Lower Upper
43 100
58 49.3 39.7 59.5
98 1.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.492 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 164 Resp: 7960
Ion Ratio Lower Upper
164 100
166 112.9 103.5 155.3
129 82.5 82.2 123.4
131 88.6 80.1 120.1

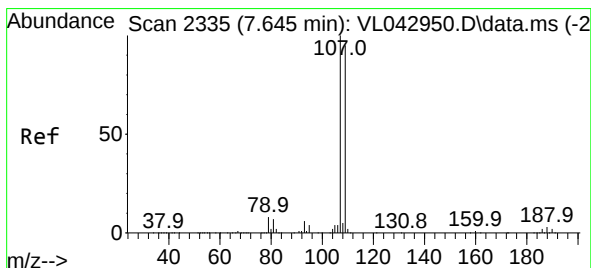
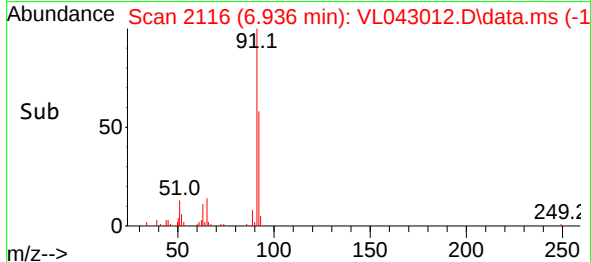
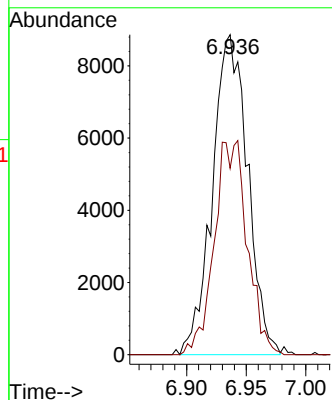
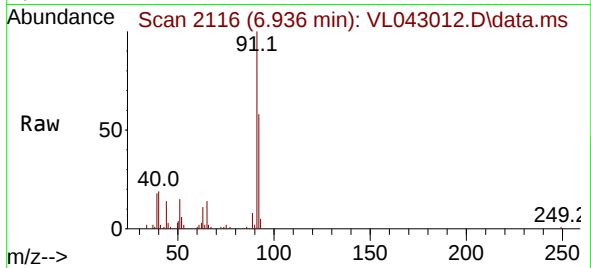




#53
Toluene
Concen: 0.368 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

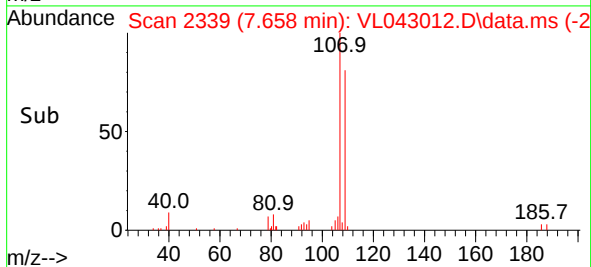
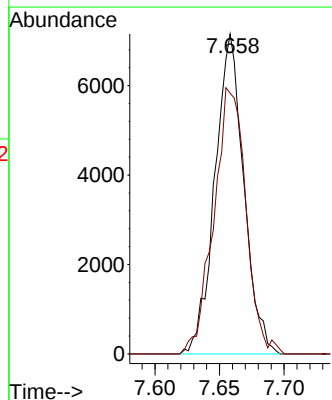
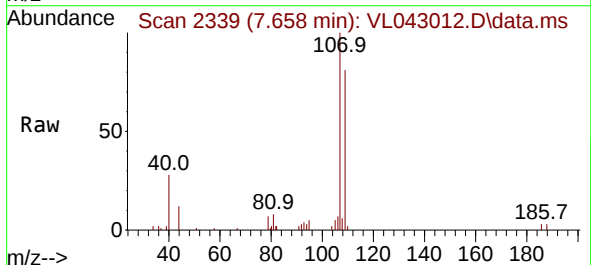
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

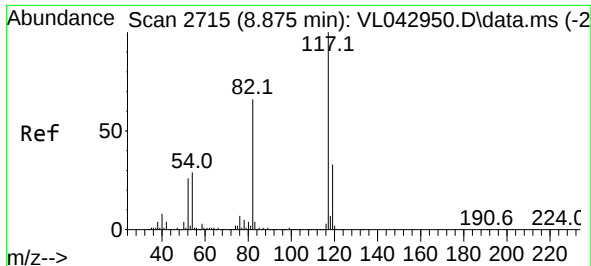
Tgt Ion: 91 Resp: 18218
Ion Ratio Lower Upper
91 100
92 62.7 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.490 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 107 Resp: 11127
Ion Ratio Lower Upper
107 100
109 81.5 75.8 113.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2715

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

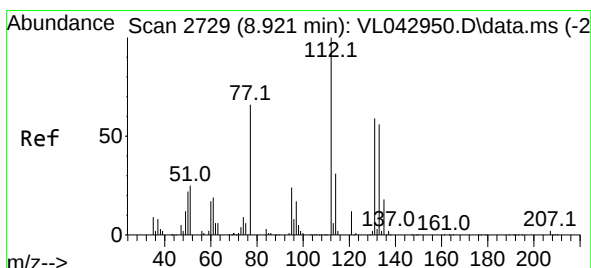
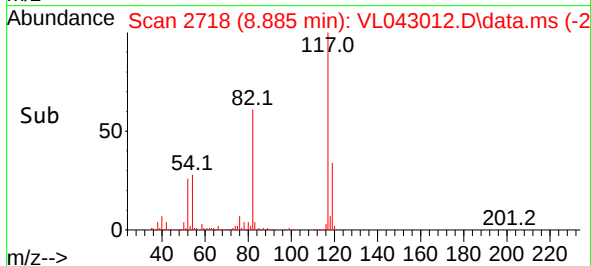
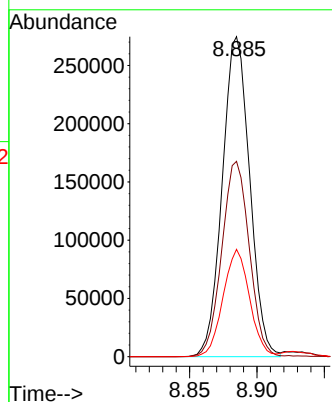
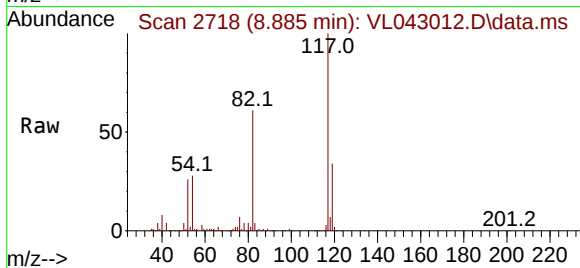
Tgt Ion:117 Resp: 389299

Ion Ratio Lower Upper

117 100

82 61.4 52.8 79.2

119 34.1 26.5 39.7



#56

1,1,1,2-Tetrachloroethane

Concen: 0.551 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

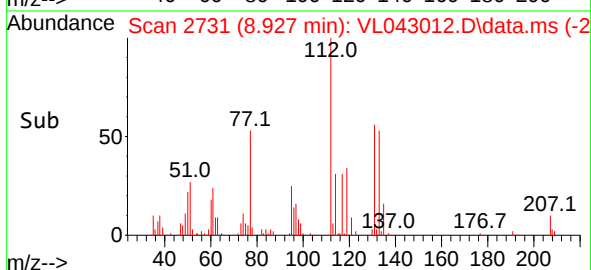
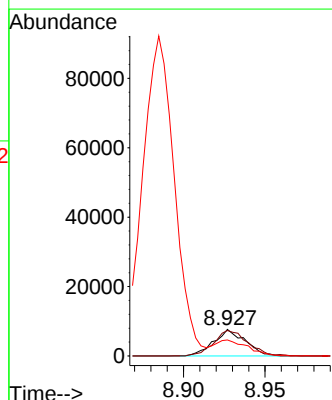
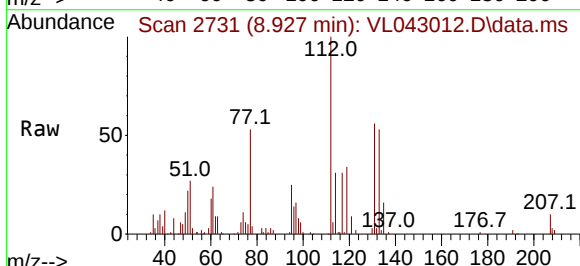
Tgt Ion:131 Resp: 10275

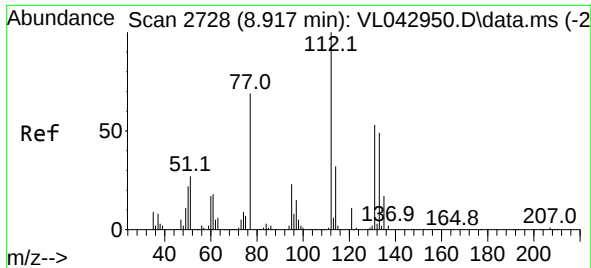
Ion Ratio Lower Upper

131 100

133 103.6 76.6 114.8

119 1290.6 49.9 74.9#

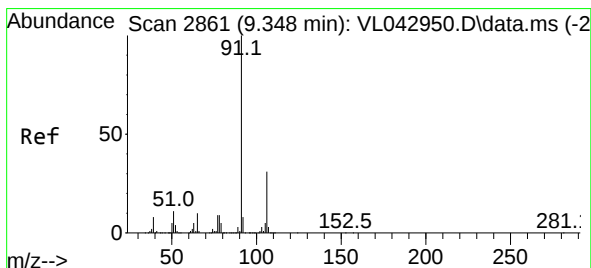
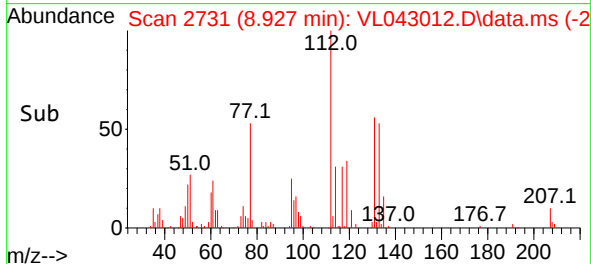
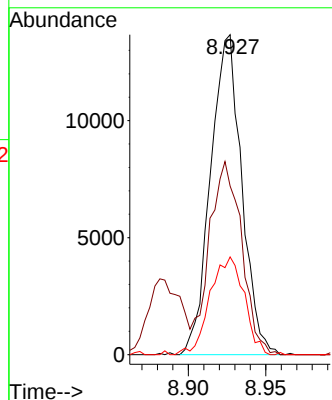
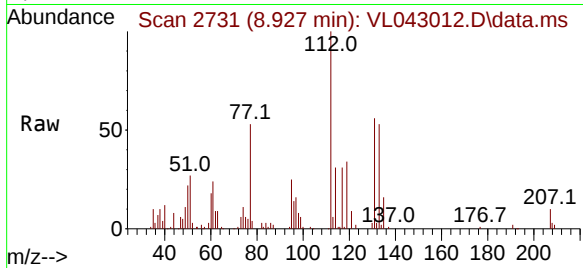




#57
Chlorobenzene
Concen: 0.538 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

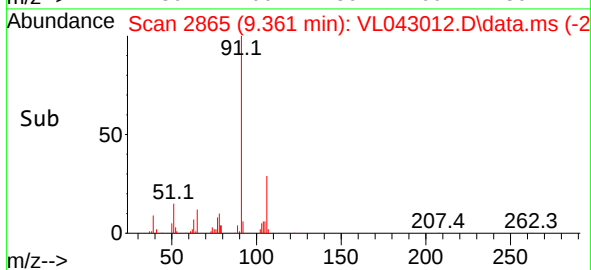
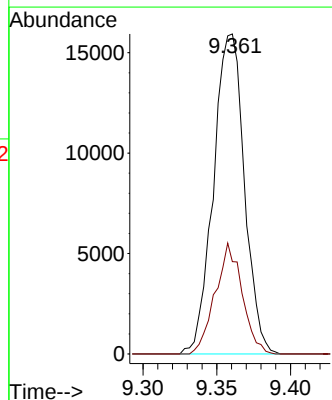
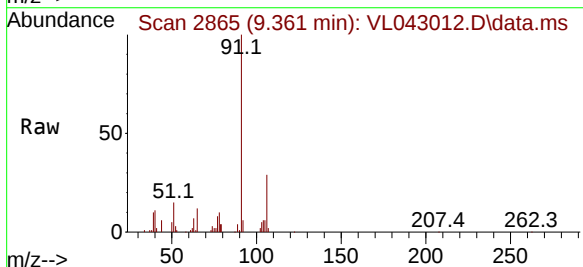
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

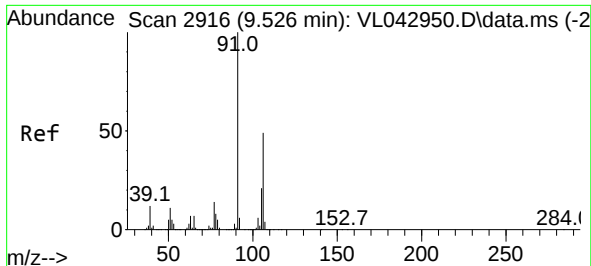
Tgt Ion:112 Resp: 19134
Ion Ratio Lower Upper
112 100
77 52.7 55.7 83.5#
114 29.9 28.6 35.0



#58
Ethyl Benzene
Concen: 0.364 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.013 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 91 Resp: 23254
Ion Ratio Lower Upper
91 100
106 28.8 24.6 37.0





#59

m/p-Xylene

Concen: 0.732 ppbv m

RT: 9.552 min Scan# 2916

Delta R.T. 0.026 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

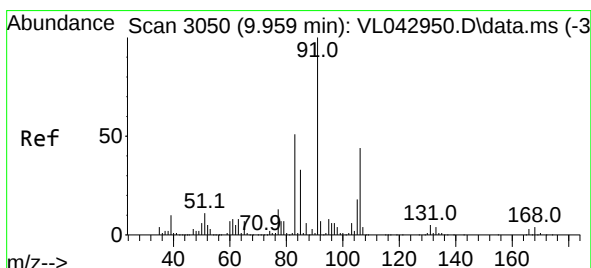
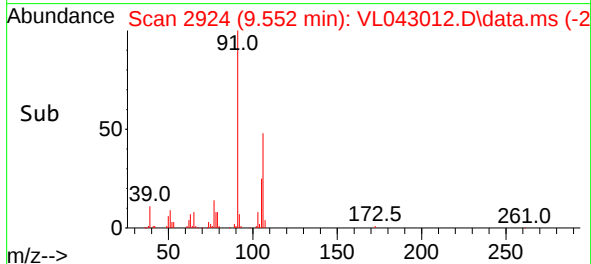
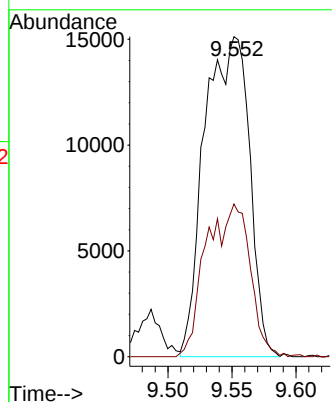
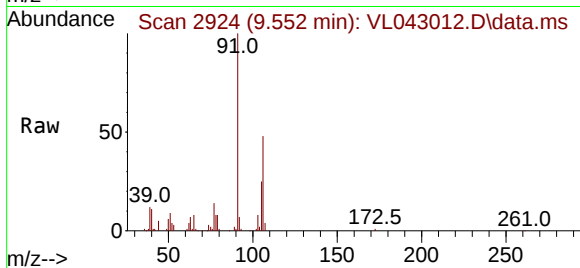
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 36899

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.366 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL043012.D

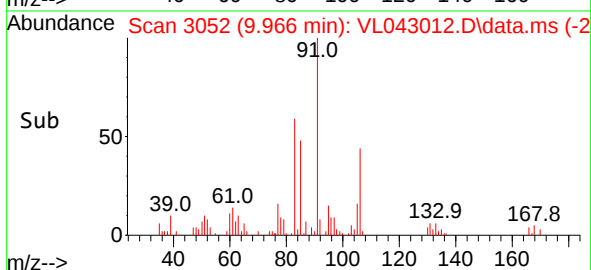
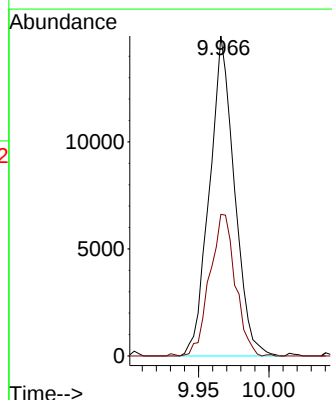
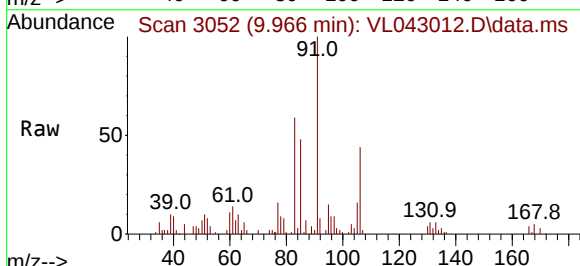
Acq: 24 Sep 2025 16:49

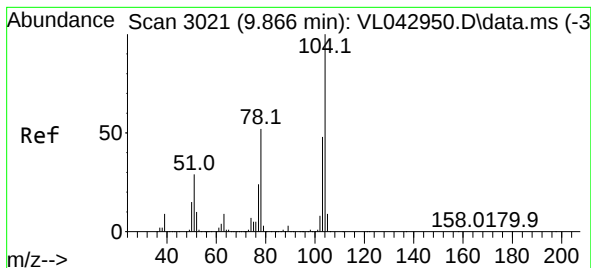
Tgt Ion: 91 Resp: 18428

Ion Ratio Lower Upper

91 100

106 45.8 22.4 67.0





#61

Styrene

Concen: 0.306 ppbv m

RT: 9.875 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

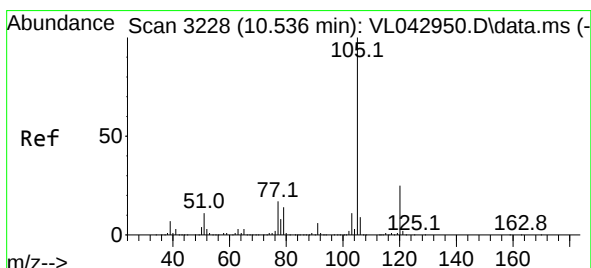
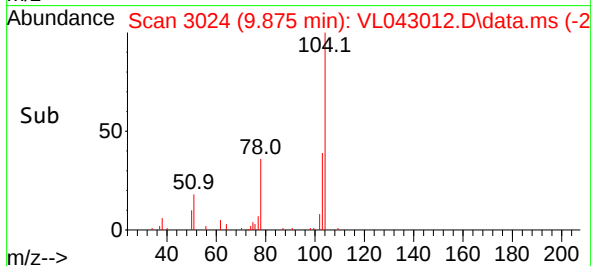
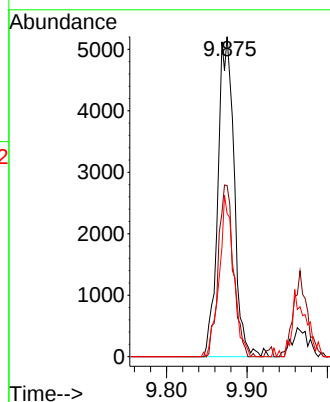
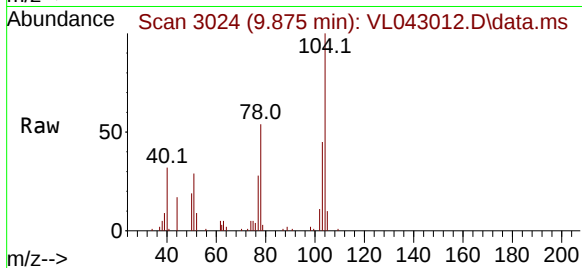
Tgt Ion:104 Resp: 7300

Ion Ratio Lower Upper

104 100

78 0.0 39.9 59.9#

103 0.0 36.9 55.3#



#62

Isopropylbenzene

Concen: 0.392 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.006 min

Lab File: VL043012.D

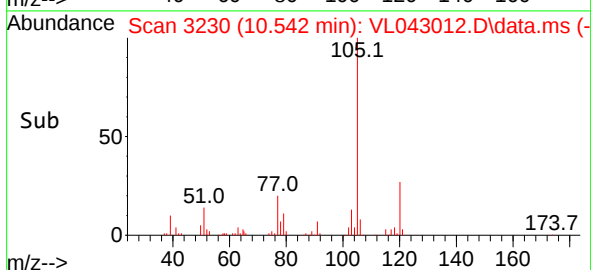
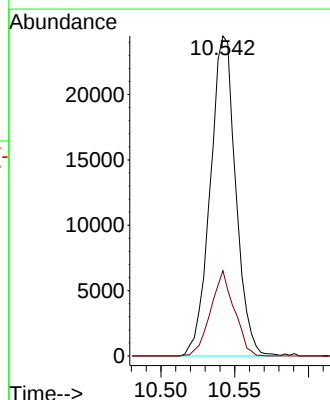
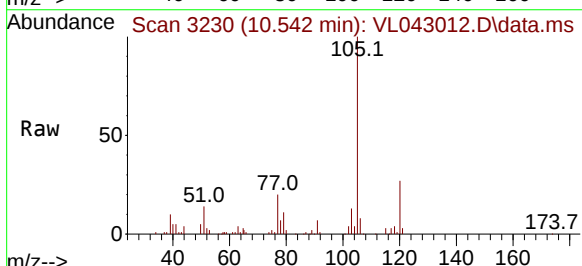
Acq: 24 Sep 2025 16:49

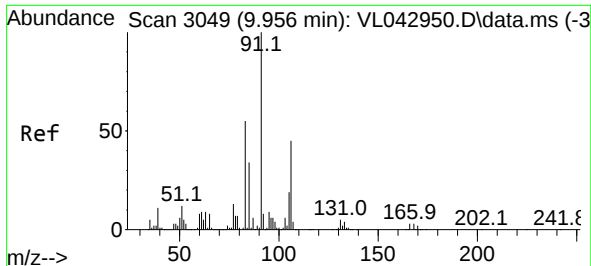
Tgt Ion:105 Resp: 29403

Ion Ratio Lower Upper

105 100

120 24.7 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.481 ppbv

RT: 9.966 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

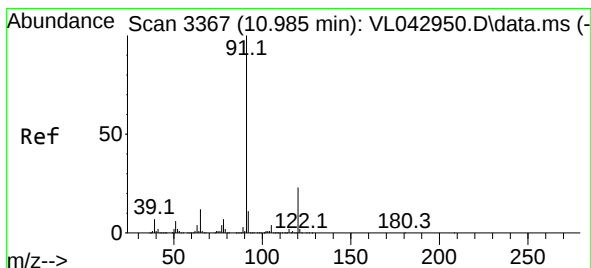
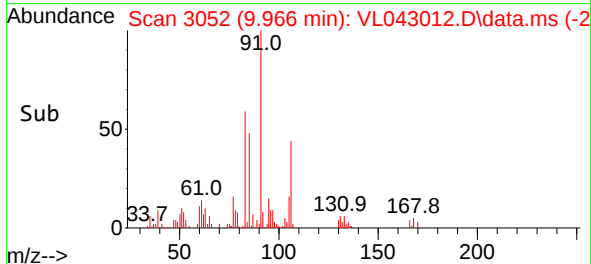
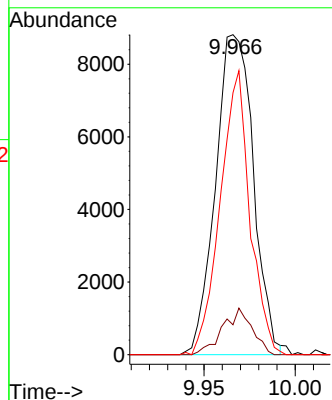
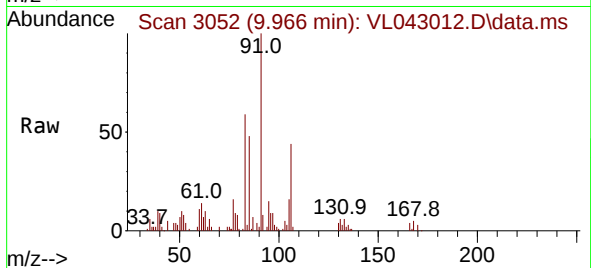
Tgt Ion: 83 Resp: 12735

Ion Ratio Lower Upper

83 100

131 11.4 4.8 14.4

85 69.5 32.2 96.6



#64

n-propylbenzene

Concen: 0.343 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.003 min

Lab File: VL043012.D

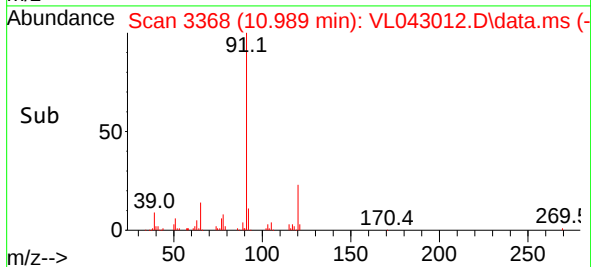
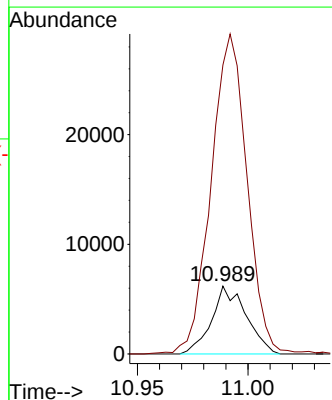
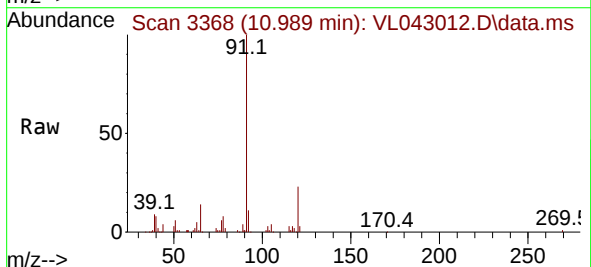
Acq: 24 Sep 2025 16:49

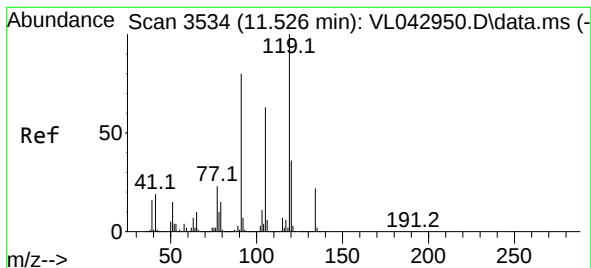
Tgt Ion: 120 Resp: 6732

Ion Ratio Lower Upper

120 100

91 491.5 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.357 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

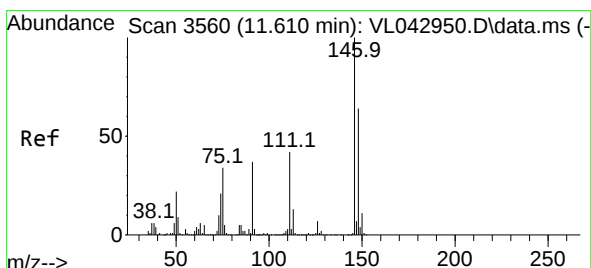
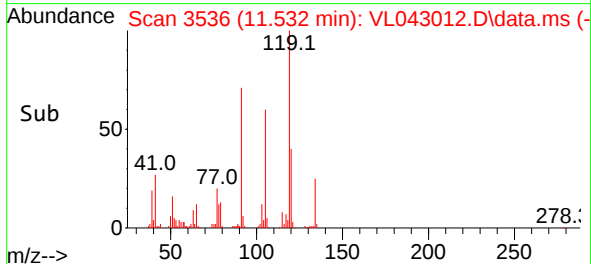
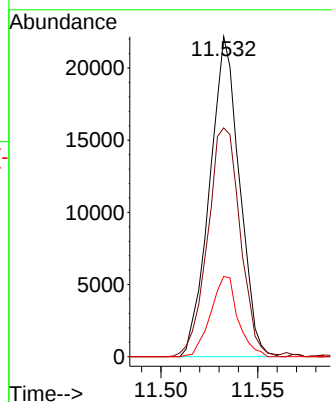
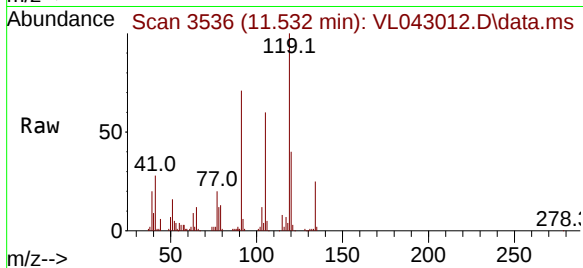
Tgt Ion:119 Resp: 23827

Ion Ratio Lower Upper

119 100

91 78.6 63.1 94.7

134 22.9 17.0 25.6



#66

Benzyl Chloride

Concen: 0.177 ppbv m

RT: 11.620 min Scan# 3563

Delta R.T. 0.010 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

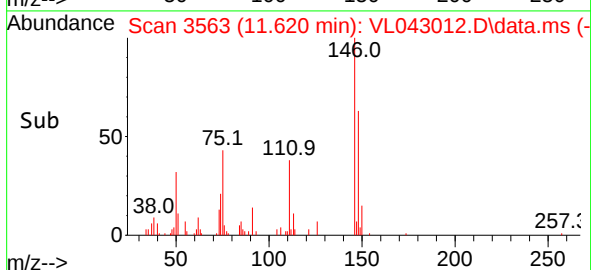
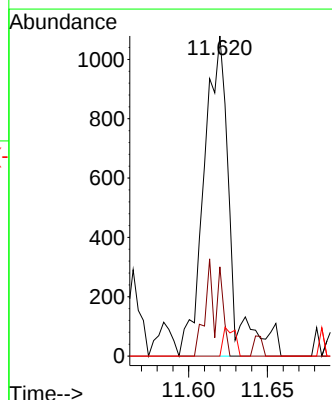
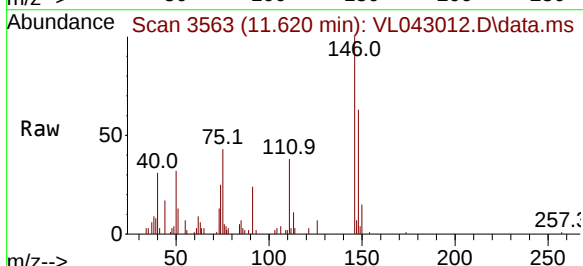
Tgt Ion: 91 Resp: 1237

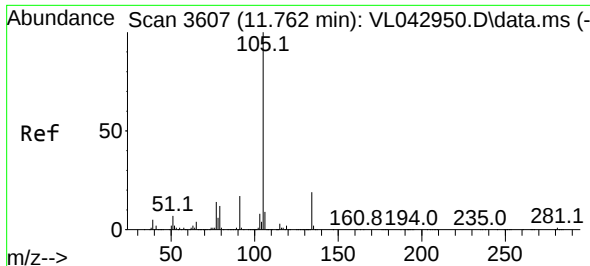
Ion Ratio Lower Upper

91 100

126 15.8 14.6 21.8

128 4.1 5.0 7.4#

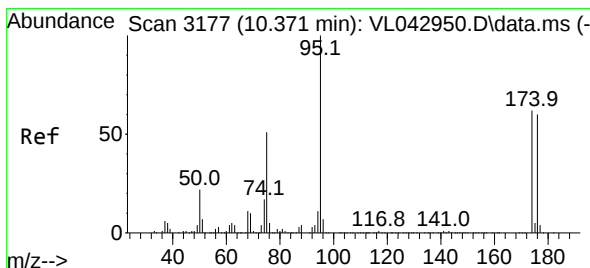
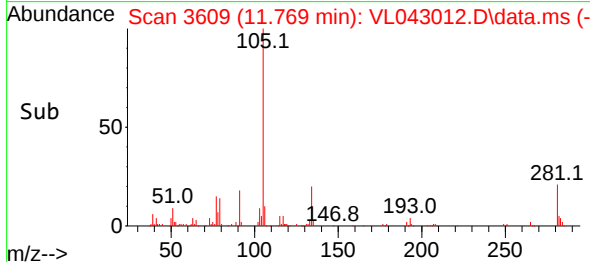
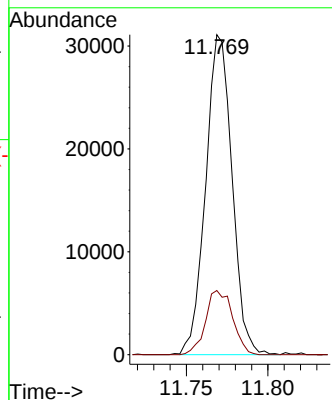
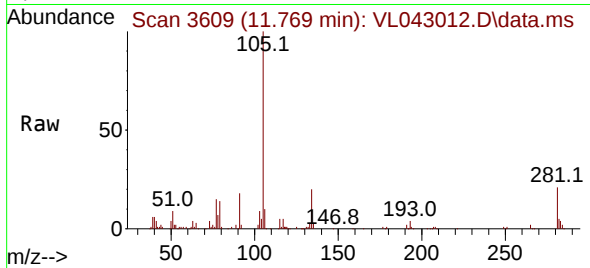




#67
 sec-Butylbenzene
 Concen: 0.376 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.006 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

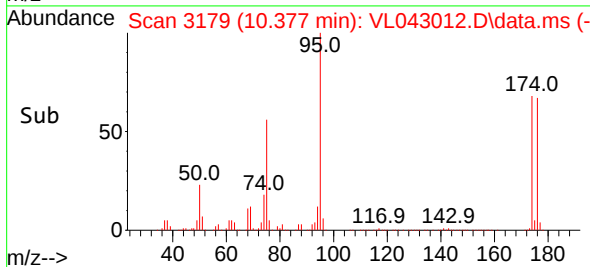
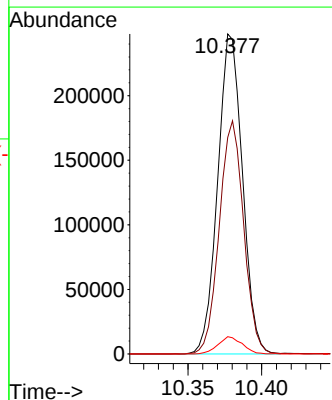
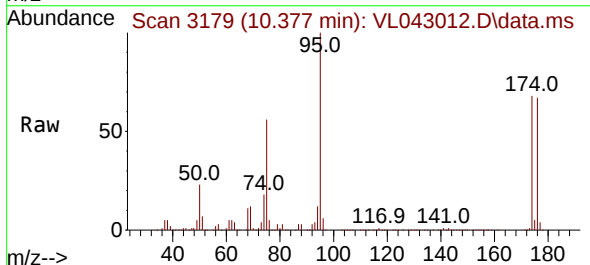
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

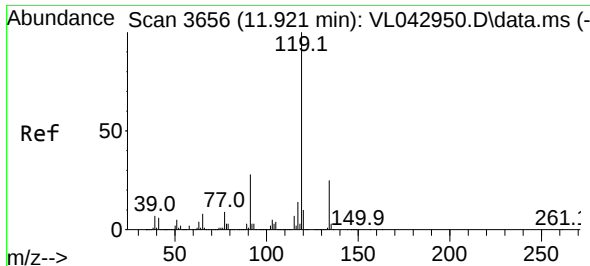
Tgt Ion:105 Resp: 34976
 Ion Ratio Lower Upper
 105 100
 134 20.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.963 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL043012.D
 Acq: 24 Sep 2025 16:49

Tgt Ion: 95 Resp: 289536
 Ion Ratio Lower Upper
 95 100
 174 72.0 51.4 77.2
 175 5.3 4.0 6.0

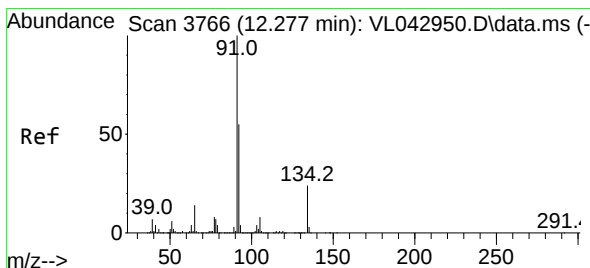
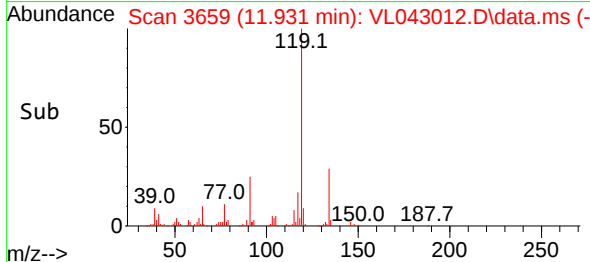
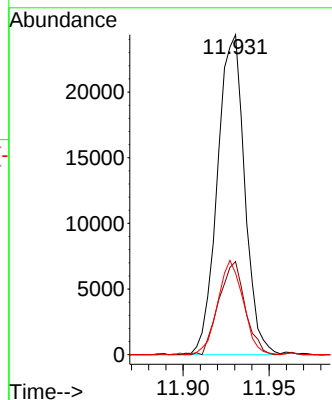
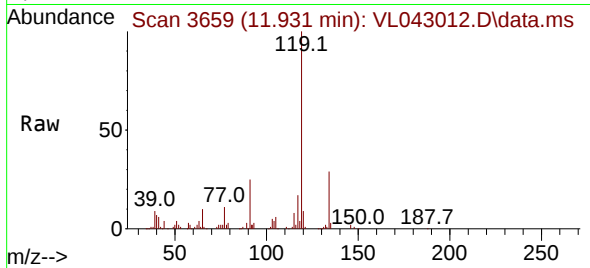




#69
p-Isopropyltoluene
Concen: 0.342 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

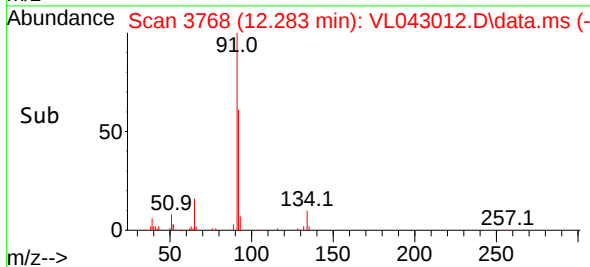
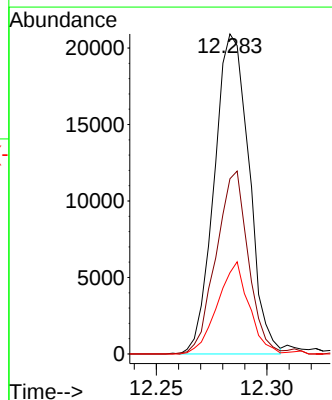
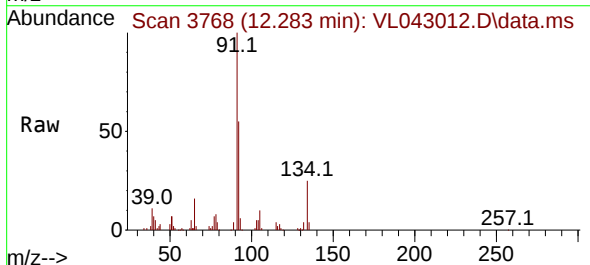
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

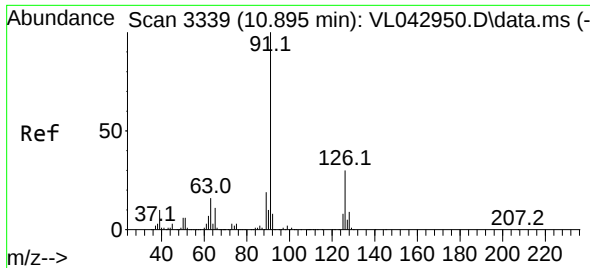
Tgt Ion:	119	Resp:	26856
Ion	Ratio	Lower	Upper
119	100		
134	28.4	21.0	31.4
91	28.0	22.3	33.5



#70
n-Butylbenzene
Concen: 0.298 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:	91	Resp:	22840
Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.0	66.0
134	26.5	19.4	29.2

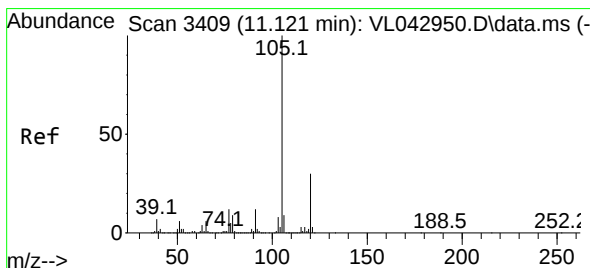
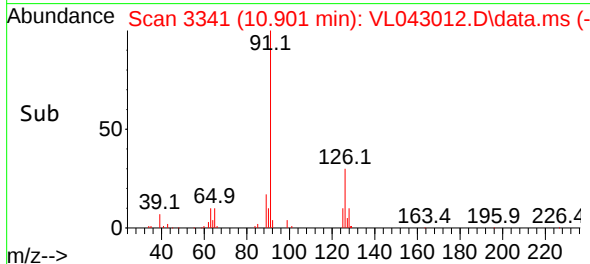
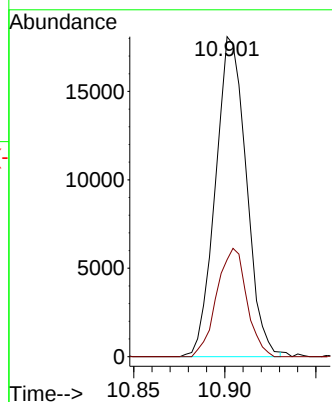
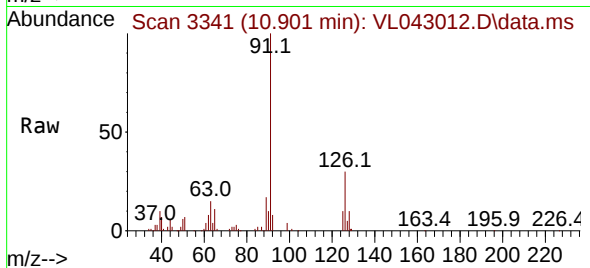




#71
2-Chlorotoluene
Concen: 0.376 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

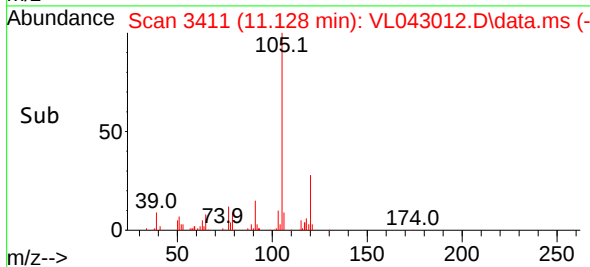
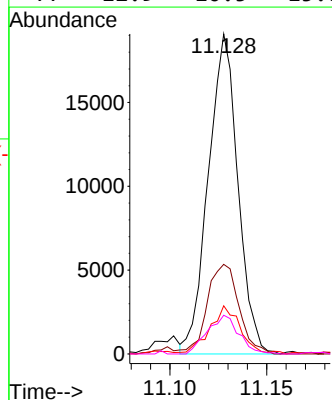
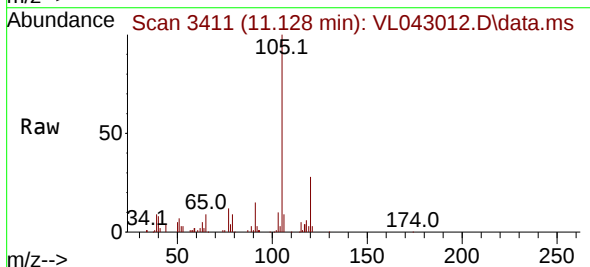
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

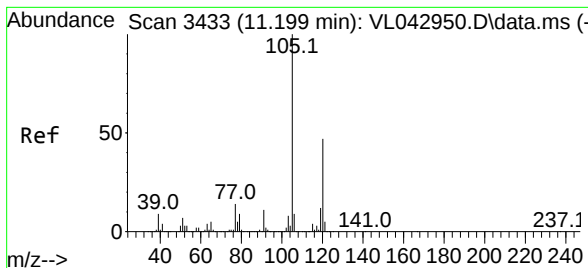
Tgt Ion: 91 Resp: 21288
Ion Ratio Lower Upper
91 100
126 32.9 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.322 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion: 105 Resp: 20287
Ion Ratio Lower Upper
105 100
120 31.3 24.2 36.2
91 16.5 10.0 15.0#
77 12.9 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.335 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

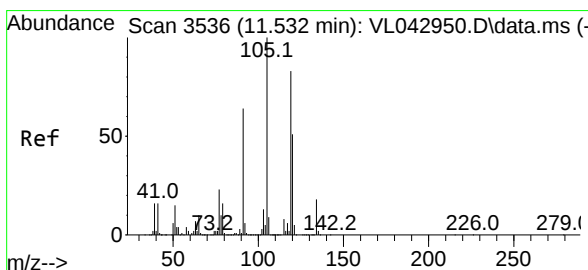
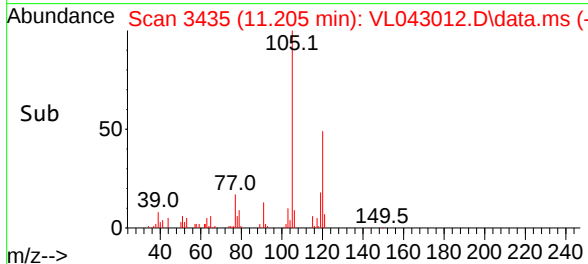
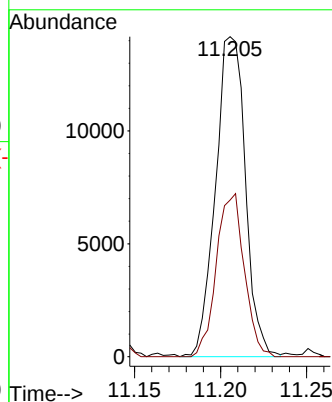
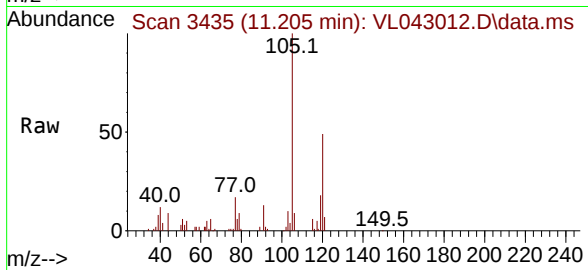
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 17122

Ion Ratio Lower Upper

105 100

120 48.9 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 0.353 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Tgt Ion:105 Resp: 19950

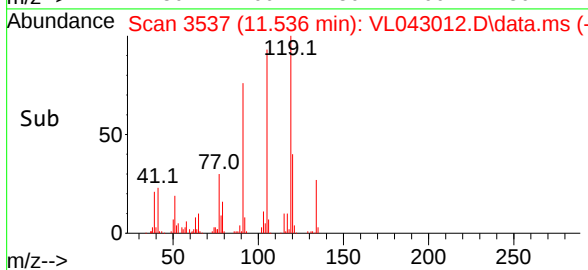
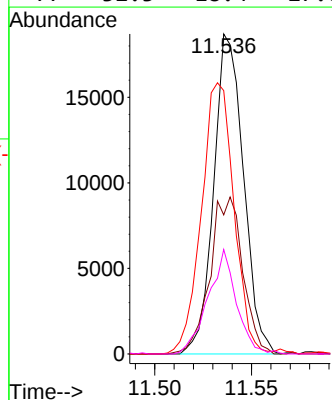
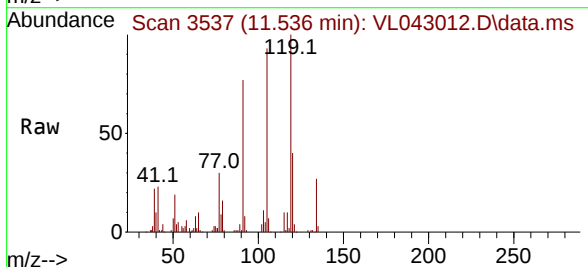
Ion Ratio Lower Upper

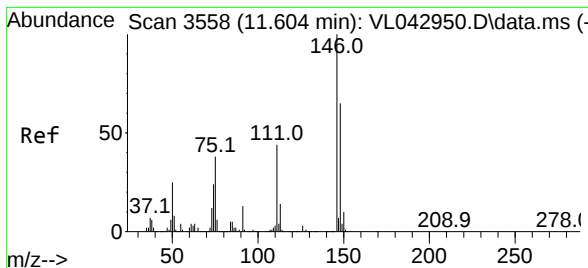
105 100

120 43.5 40.9 61.3

91 80.8 51.2 76.8#

77 32.3 18.4 27.6#





#75

1,3-Dichlorobenzene

Concen: 0.497 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

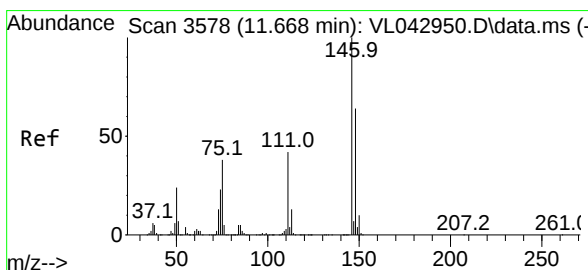
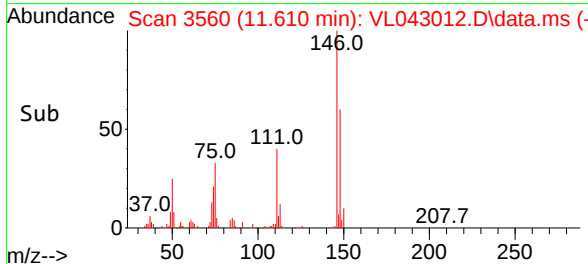
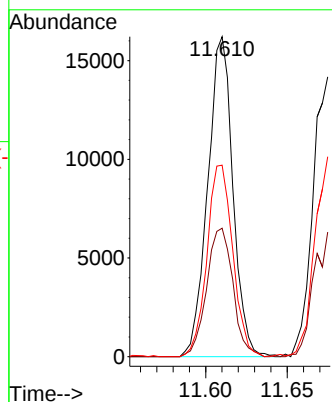
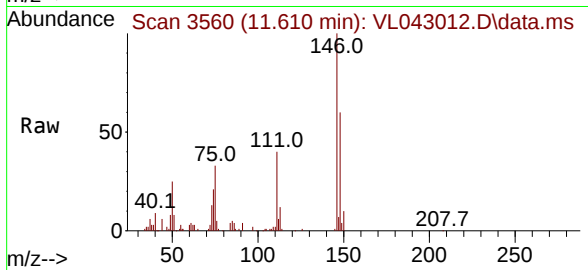
Tgt Ion:146 Resp: 17400

Ion Ratio Lower Upper

146 100

111 42.0 22.3 66.9

148 61.6 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.451 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.006 min

Lab File: VL043012.D

Acq: 24 Sep 2025 16:49

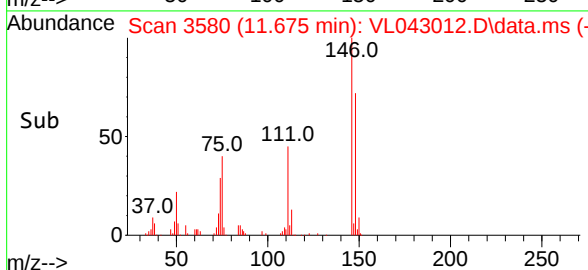
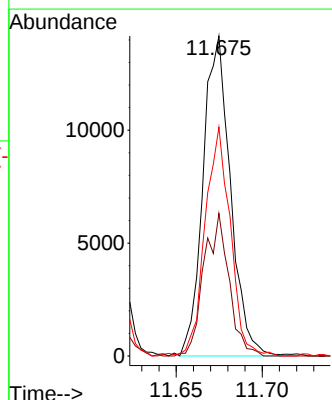
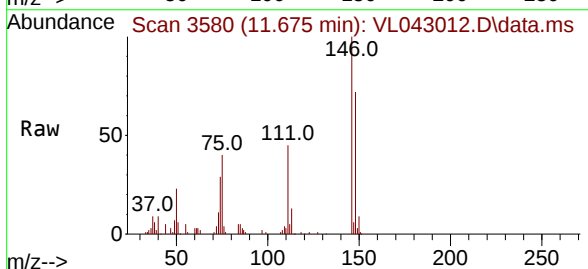
Tgt Ion:146 Resp: 15681

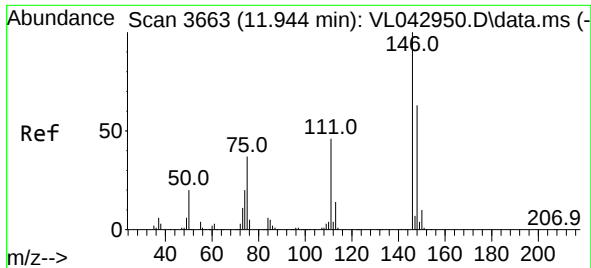
Ion Ratio Lower Upper

146 100

111 40.7 21.5 64.5

148 66.7 31.9 95.5

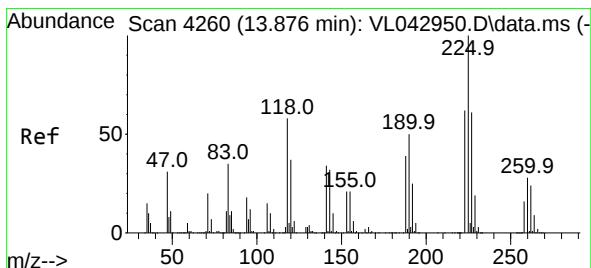
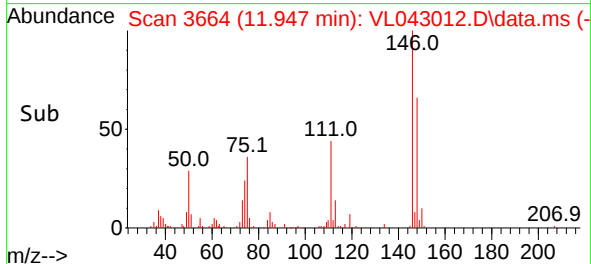
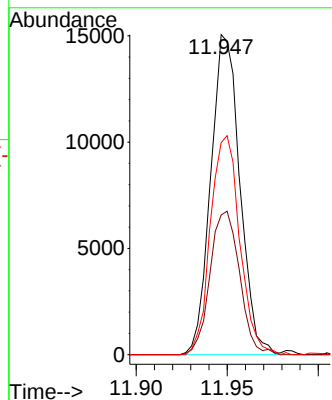
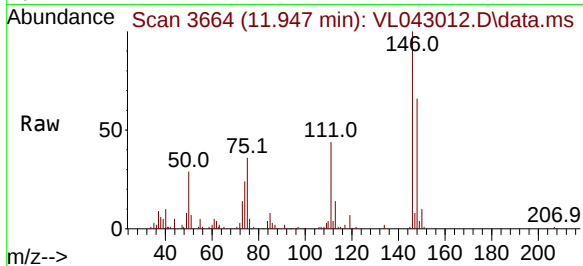




#77
1,2-Dichlorobenzene
Concen: 0.502 ppbv
RT: 11.947 min Scan# 3663
Delta R.T. 0.003 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

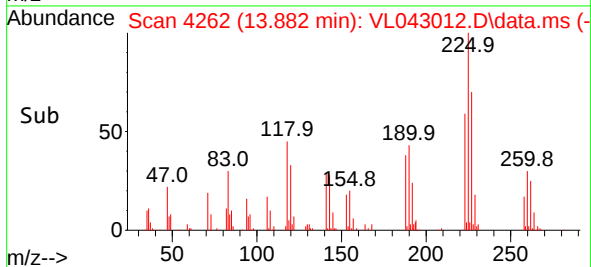
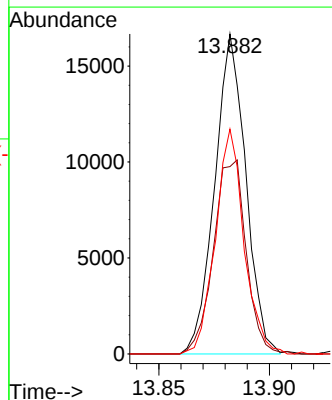
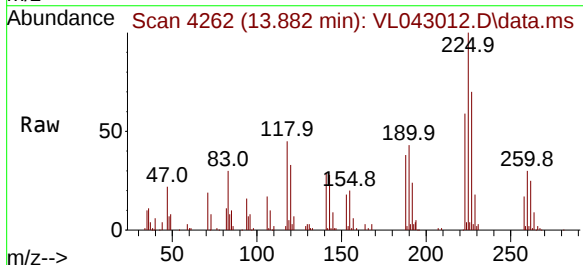
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

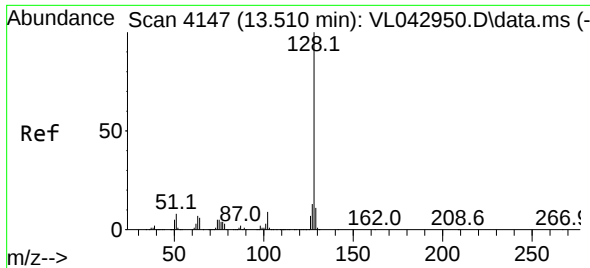
Tgt Ion:146 Resp: 16736
Ion Ratio Lower Upper
146 100
111 45.5 23.1 69.3
148 68.9 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.624 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:225 Resp: 16280
Ion Ratio Lower Upper
225 100
223 63.8 50.1 75.1
227 64.9 50.4 75.6

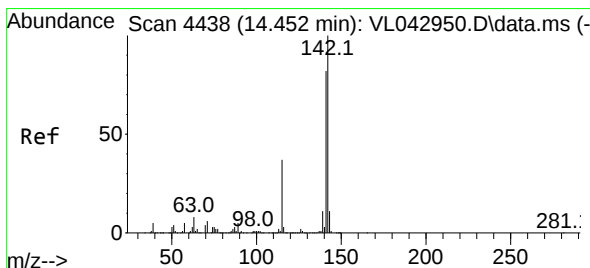
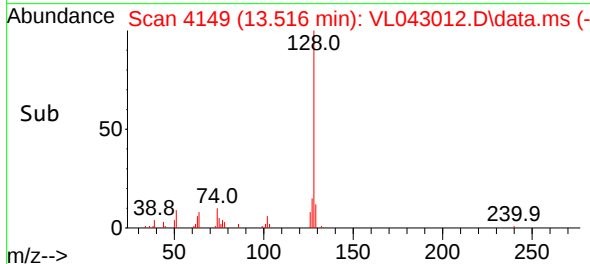
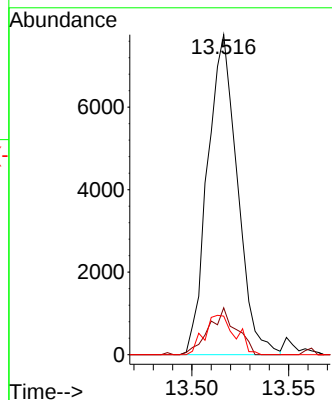
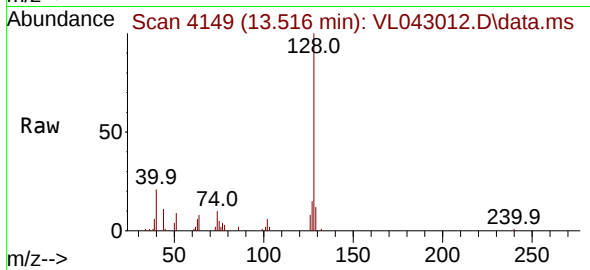




#79
Naphthalene
Concen: 0.166 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

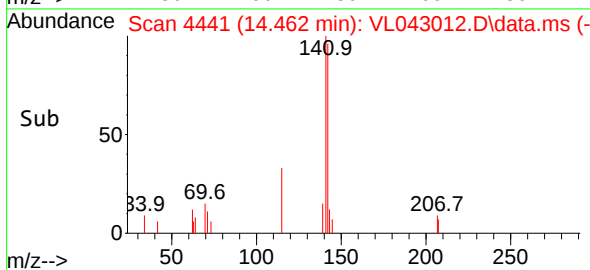
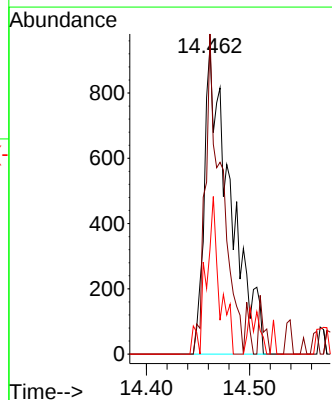
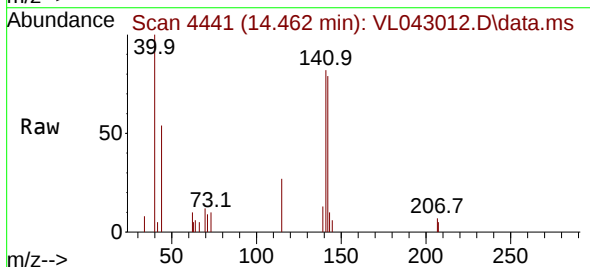
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

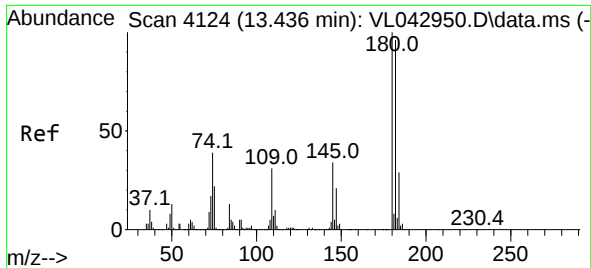
Tgt Ion:	128	Resp:	8304
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.6	15.8
129	12.0	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.107 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.010 min
Lab File: VL043012.D
Acq: 24 Sep 2025 16:49

Tgt Ion:	142	Resp:	1647
Ion Ratio	Lower	Upper	
142	100		
141	72.3	65.1	97.7
115	26.9	28.9	43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.227 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043012.D

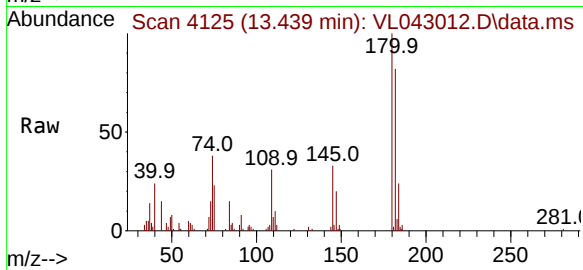
Acq: 24 Sep 2025 16:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025



Tgt Ion:180 Resp: 6057

Ion Ratio Lower Upper

180 100

182 110.0 75.7 113.5

184 30.1 23.9 35.9

