

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043014.D
 Acq On : 24 Sep 2025 17:59
 Operator : SY/MD
 Sample : Q2893-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 25 03:24:46 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	2.790	49	148083	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	440291	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	387422	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	274470	9.491	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2543m	0.128	ppbv	
3) Chlorodifluoromethane	1.476	51	2827m	0.114	ppbv	
4) Chloromethane	1.535	50	1321	0.147	ppbv	89
5) Vinyl Chloride	1.580	62	1022	0.125	ppbv #	88
6) Bromomethane	1.667	94	458	0.159	ppbv #	69
7) Chloroethane	1.706	64	407	0.129	ppbv #	74
8) Dichlorotetrafluoroethane	1.557	85	2197	0.129	ppbv	95
9) Propene	1.486	41	1228m	0.114	ppbv	
10) Heptane	4.969	43	2328m	0.081	ppbv	
11) Trichlorofluoromethane	1.881	101	2703	0.141	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	2143	0.138	ppbv	94
13) Ethanol	1.722	45	183m	0.175	ppbv	
14) Bromoethene	1.784	108	707	0.120	ppbv #	68
15) Acetone	1.839	43	4223	0.219	ppbv	95
16) 1,3-Butadiene	1.612	39	1041	0.114	ppbv	89
17) tert-Butyl alcohol	2.046	59	2115	0.100	ppbv #	74
18) 1,1-Dichloroethene	2.033	96	1109	0.154	ppbv #	49
19) Isopropyl Alcohol	1.891	45	1505	0.130	ppbv #	48
20) Methylene Chloride	2.062	84	3150	0.390	ppbv	90
21) Allyl Chloride	2.098	41	1866	0.139	ppbv #	55
22) trans-1,2-Dichloroethene	2.347	96	1032	0.126	ppbv #	61
23) Vinyl Acetate	2.463	43	3307	0.120	ppbv #	91
24) 1,1-Dichloroethane	2.408	63	1920	0.120	ppbv #	95
25) Ethyl Acetate	2.842	43	5230m	0.107	ppbv	
26) Hexane	2.832	57	1827	0.082	ppbv #	58
27) Carbon Disulfide	2.153	76	1948	0.098	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	1183	0.102	ppbv #	88
29) Chloroform	2.849	83	3599	0.124	ppbv	90
30) Cyclohexane	3.855	84	1464m	0.079	ppbv	
31) cis-1,2-Dichloroethene	2.722	61	2146	0.103	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	3403m	0.108	ppbv	
34) 2-Butanone	2.567	43	3646	0.118	ppbv	95
35) Carbon Tetrachloride	3.768	117	3446m	0.120	ppbv	
36) Benzene	3.658	78	4103m	0.099	ppbv	
37) 1,2-Dichloroethane	3.221	62	2709	0.125	ppbv #	94
38) Trichloroethene	4.551	130	2250m	0.109	ppbv	
39) 1,2-Dichloropropane	4.318	63	1860m	0.123	ppbv	
40) 1,4-Dioxane	4.629	88	614m	0.087	ppbv	
41) Tetrahydrofuran	3.069	42	1447m	0.082	ppbv	
42) Bromodichloromethane	4.496	83	3323m	0.110	ppbv	
43) Methyl Methacrylate	4.891	69	1519m	0.090	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	5891m	0.082	ppbv	
45) t-1,3-Dichloropropene	6.425	75	1153m	0.064	ppbv	

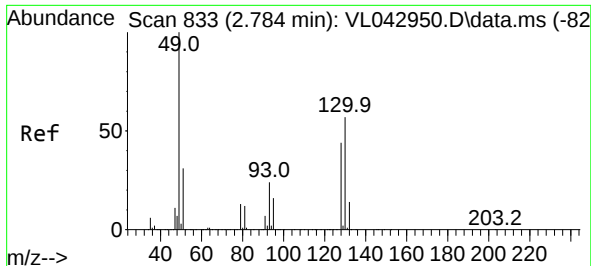
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043014.D
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Instrument :
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 ClientSampleId :
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Quant Time: Sep 25 03:24:46 2025
 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)
46) cis-1,3-Dichloropropene	5.603	75	1706m	0.074	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	1719m	0.108	ppbv	
48) Dibromochloromethane	7.396	129	2551	0.100	ppbv	88
49) Bromoform	9.490	173	2111	0.095	ppbv	95
50) 4-Methyl-2-Pentanone	5.791	43	3364m	0.081	ppbv	
51) 2-Hexanone	7.454	43	2283m	0.069	ppbv	
52) Tetrachloroethene	8.228	164	1769m	0.111	ppbv	
53) Toluene	6.943	91	3765m	0.077	ppbv	
54) 1,2-Dibromoethane	7.662	107	2480m	0.110	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	2489	0.134	ppbv #	1
57) Chlorobenzene	8.924	112	3912	0.111	ppbv #	84
58) Ethyl Benzene	9.354	91	4661m	0.073	ppbv	
59) m/p-Xylene	9.555	91	7178m	0.143	ppbv	
60) o-Xylene	9.969	91	3483	0.069	ppbv	97
61) Styrene	9.879	104	1357	0.057	ppbv	90
62) Isopropylbenzene	10.539	105	5958	0.080	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.969	83	2721	0.103	ppbv	87
64) n-propylbenzene	10.992	120	1099	0.056	ppbv	80
65) tert-Butylbenzene	11.533	119	3976	0.060	ppbv	89
67) sec-Butylbenzene	11.769	105	5889	0.064	ppbv	99
69) p-Isopropyltoluene	11.927	119	4065	0.052	ppbv #	88
70) n-Butylbenzene	12.287	91	3692	0.048	ppbv	92
71) 2-Chlorotoluene	10.905	91	3554	0.063	ppbv	93
72) 4-Ethyltoluene	11.131	105	3774	0.060	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.206	105	2997	0.059	ppbv #	80
74) 1,2,4-Trimethylbenzene	11.539	105	2708	0.048	ppbv #	83
75) 1,3-Dichlorobenzene	11.610	146	2870	0.082	ppbv	97
76) 1,4-Dichlorobenzene	11.681	146	2665	0.077	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	2997	0.090	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	3895	0.150	ppbv	98
79) Naphthalene	13.520	128	1702m	0.034	ppbv	
80) Naphthalene,2-methyl-	14.471	142	682	0.044	ppbv #	73
81) 1,2,4-Trichlorobenzene	13.452	180	929m	0.035	ppbv	

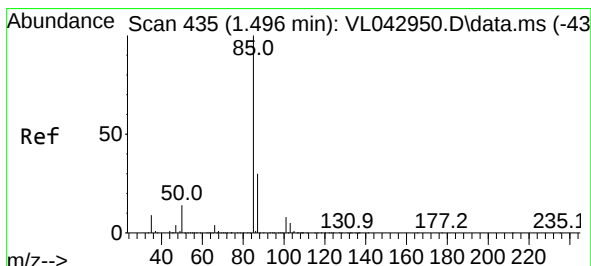
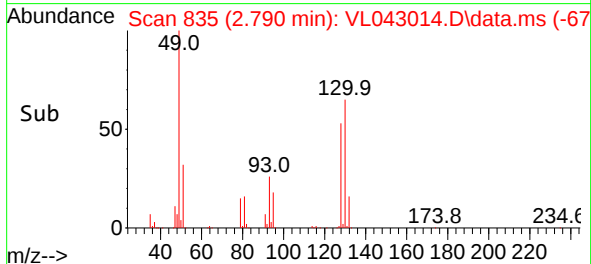
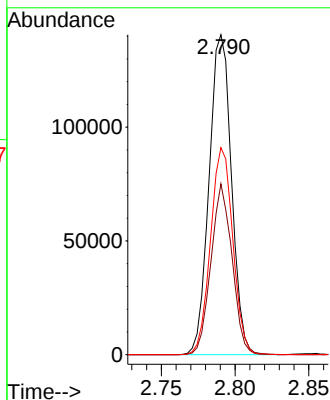
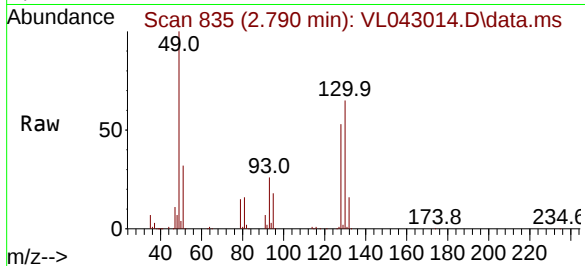
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

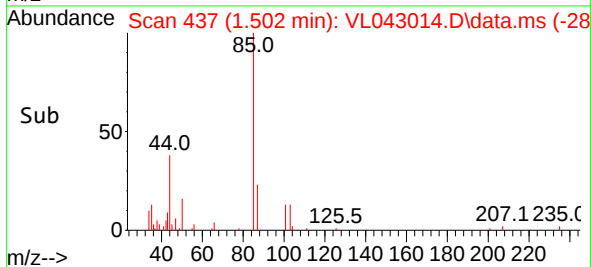
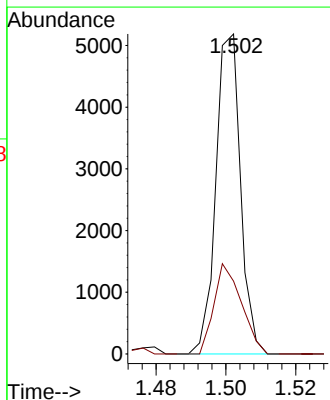
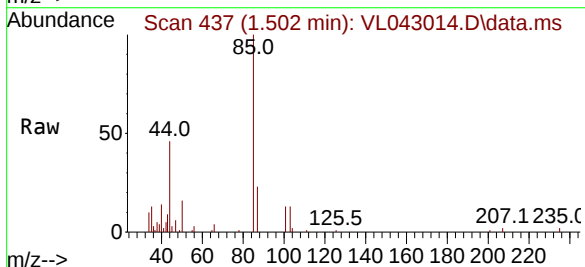
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

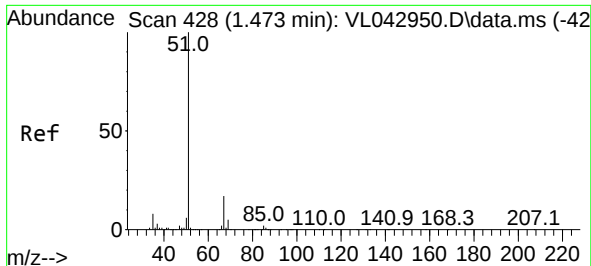
Tgt Ion: 49 Resp: 148083
Ion Ratio Lower Upper
49 100
128 50.2 22.9 68.8
130 64.6 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.128 ppbv m
RT: 1.502 min Scan# 437
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 85 Resp: 2543
Ion Ratio Lower Upper
85 100
87 22.7 24.3 36.5#

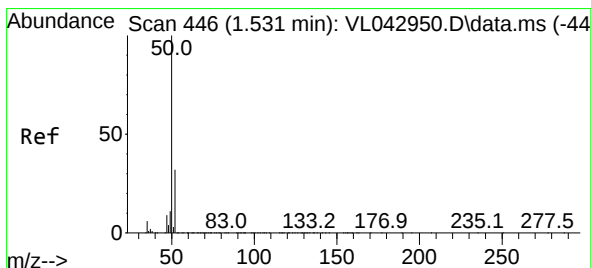
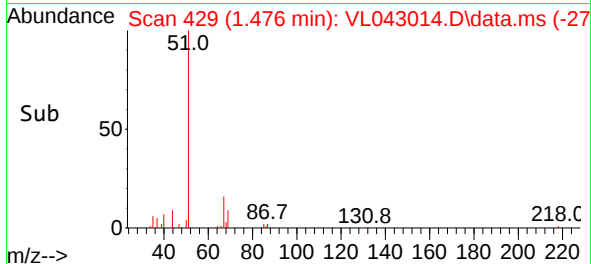
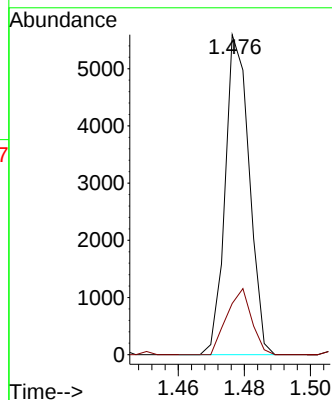
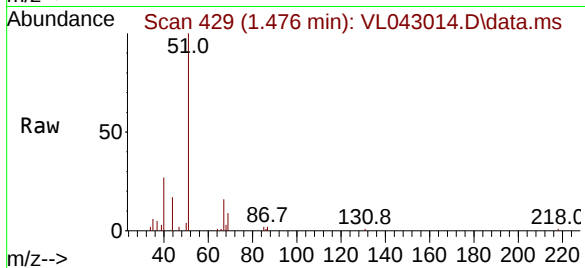




#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

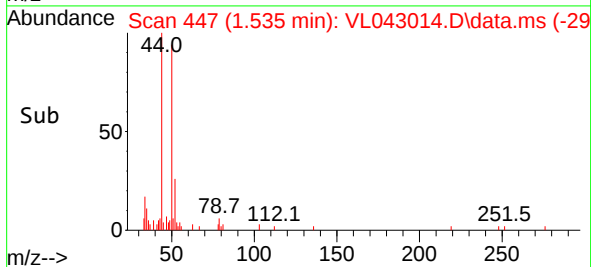
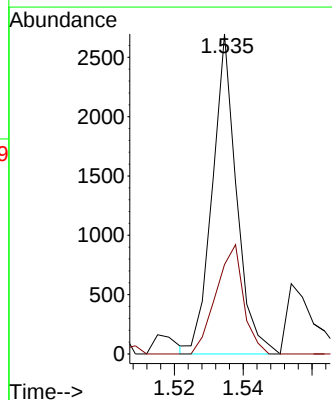
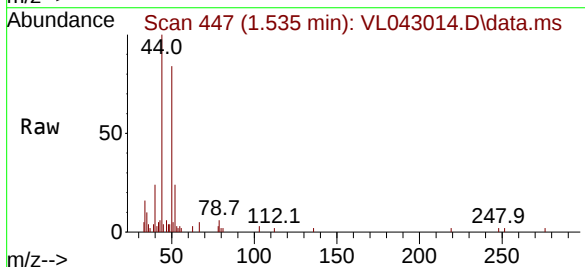
Instrument :
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MDL-AIR-03-QT3-2025

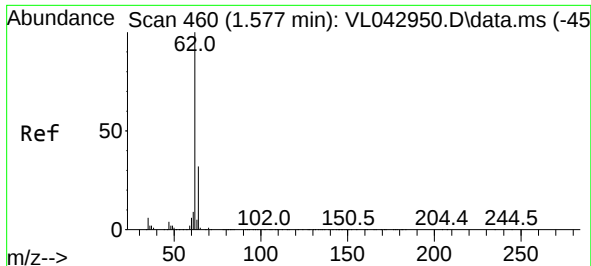
Tgt Ion: 51 Resp: 2827
Ion Ratio Lower Upper
51 100
67 1.9 13.8 20.8#



#4
Chloromethane
Concen: 0.147 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 50 Resp: 1321
Ion Ratio Lower Upper
50 100
52 26.4 25.9 38.9

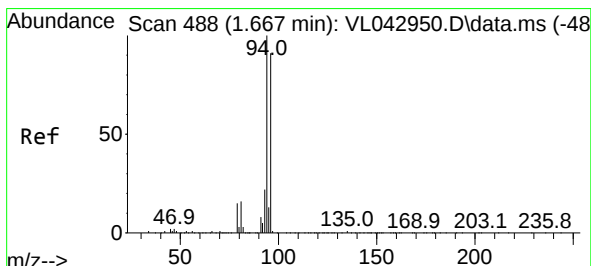
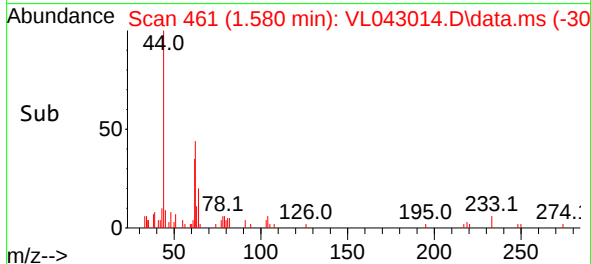
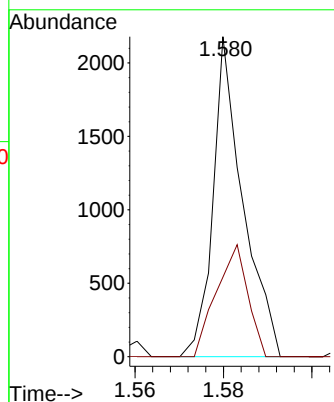
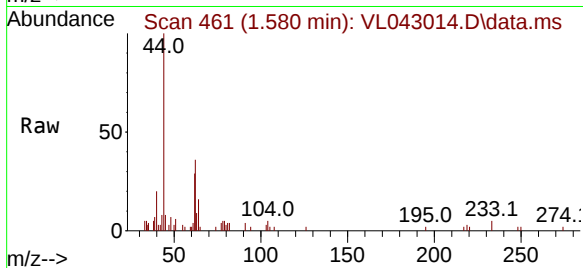




#5
 Vinyl Chloride
 Concen: 0.125 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

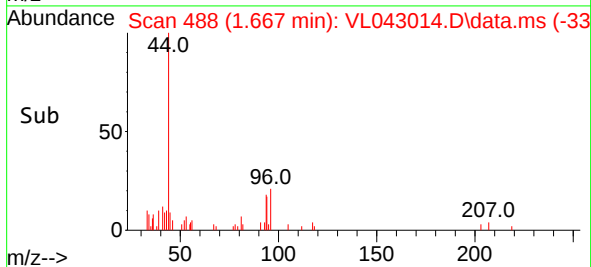
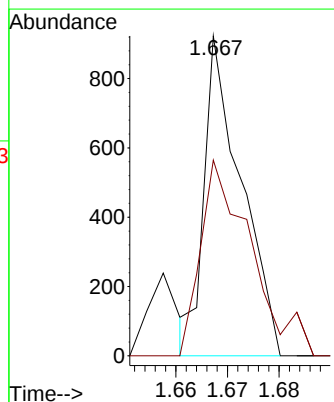
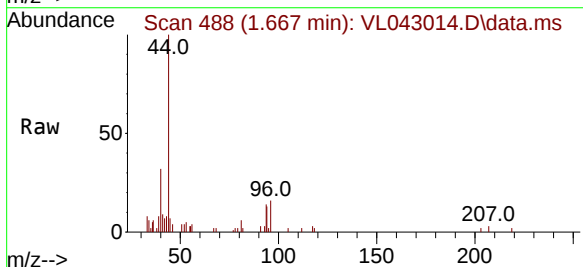
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

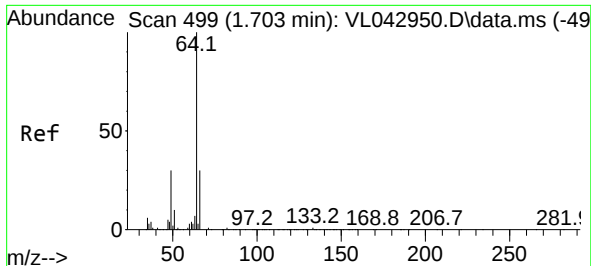
Tgt Ion: 62 Resp: 1022
 Ion Ratio Lower Upper
 62 100
 64 24.9 25.4 38.2#



#6
 Bromomethane
 Concen: 0.159 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion: 94 Resp: 458
 Ion Ratio Lower Upper
 94 100
 96 61.2 72.6 108.8#

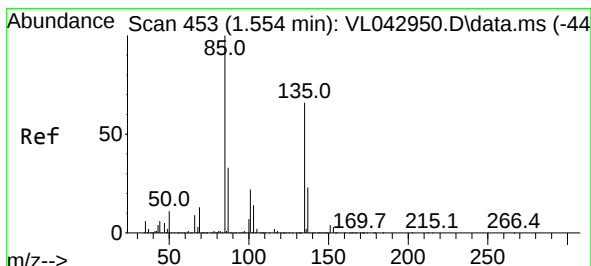
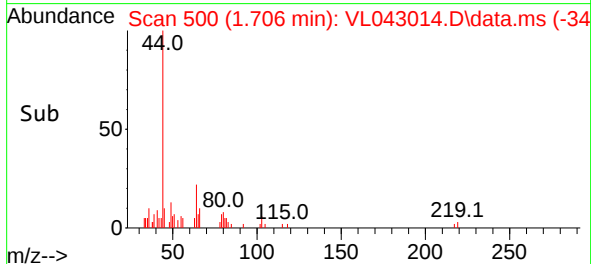
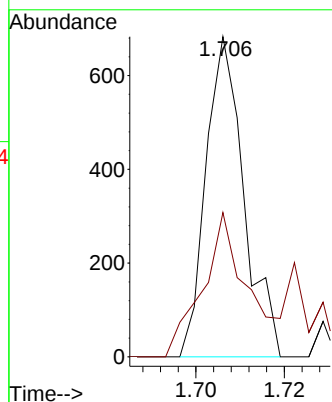
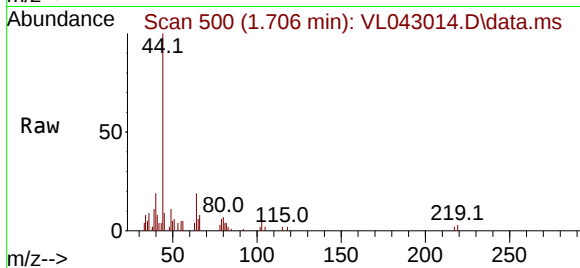




#7
Chloroethane
Concen: 0.129 ppbv
RT: 1.706 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

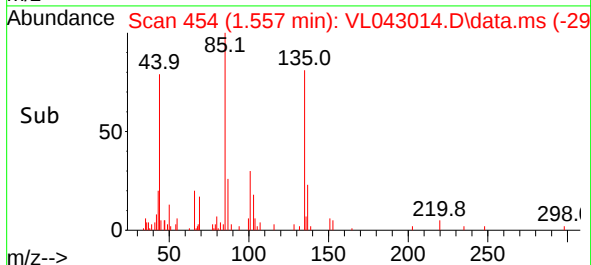
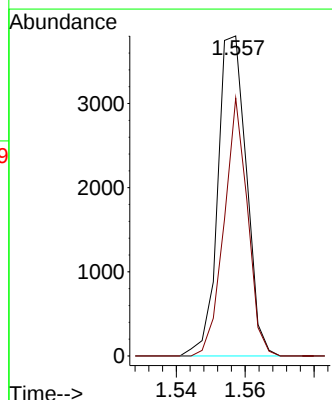
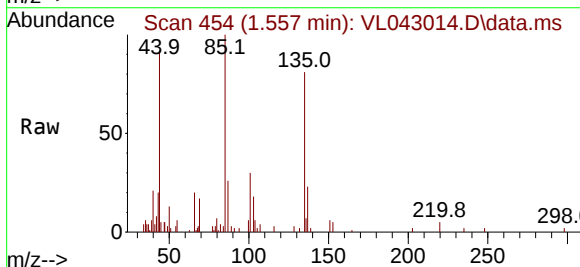
Instrument :
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ClientSampleId :
MDL-AIR-03-QT3-2025

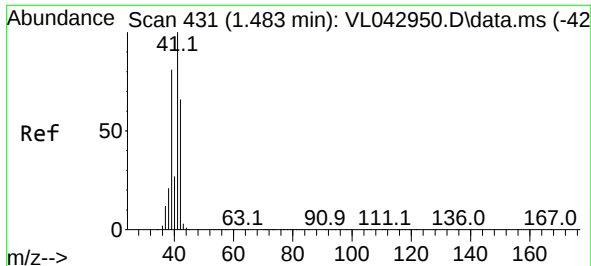
Tgt Ion: 64 Resp: 407
Ion Ratio Lower Upper
64 100
66 45.1 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.129 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 85 Resp: 2197
Ion Ratio Lower Upper
85 100
135 66.0 49.7 74.5

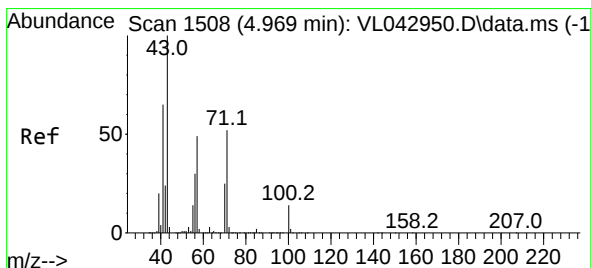
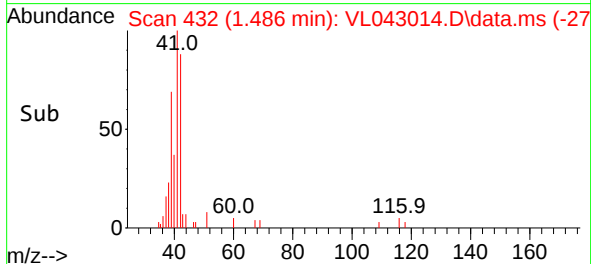
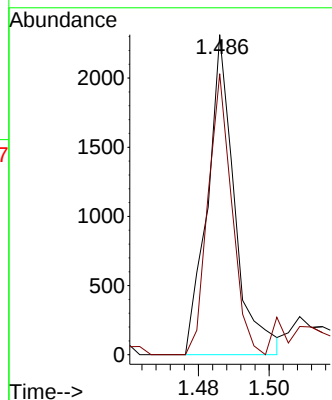
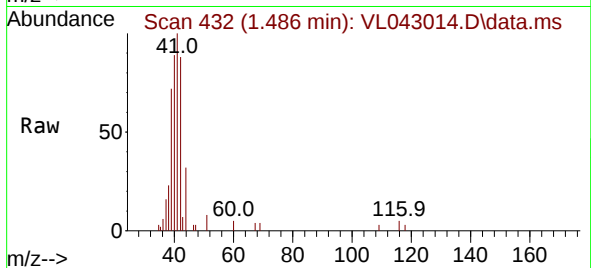




#9
Propene
Concen: 0.114 ppbv m
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

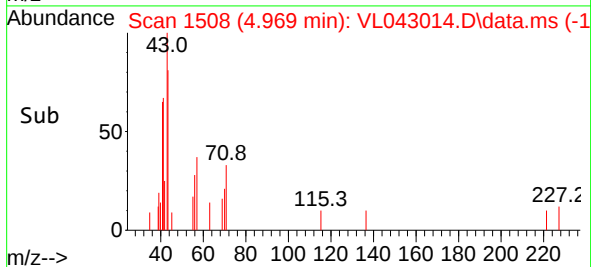
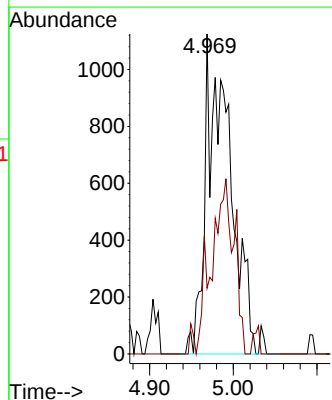
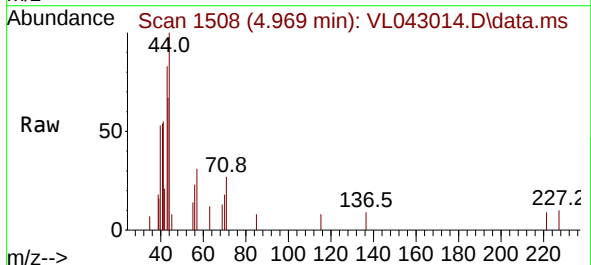
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

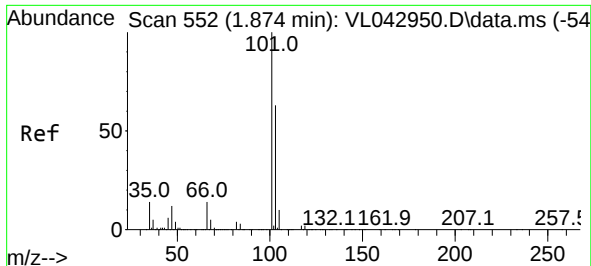
Tgt Ion: 41 Resp: 1228
Ion Ratio Lower Upper
41 100
42 45.5 57.4 86.2#



#10
Heptane
Concen: 0.081 ppbv m
RT: 4.969 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 43 Resp: 2328
Ion Ratio Lower Upper
43 100
57 0.0 38.6 57.8#

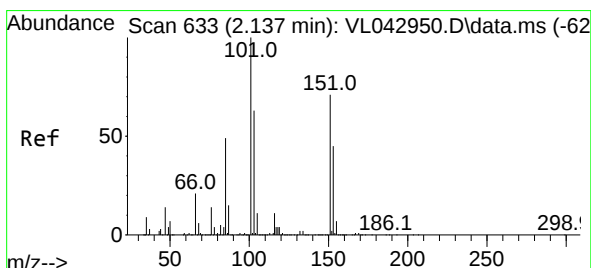
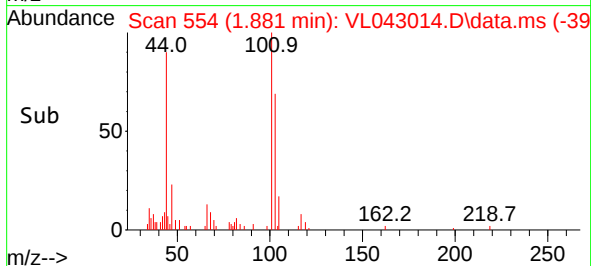
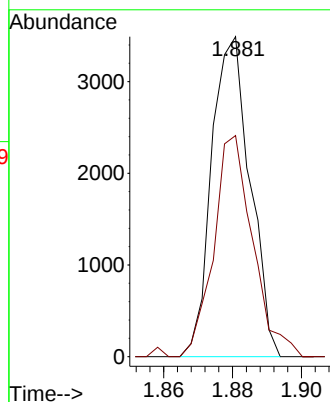
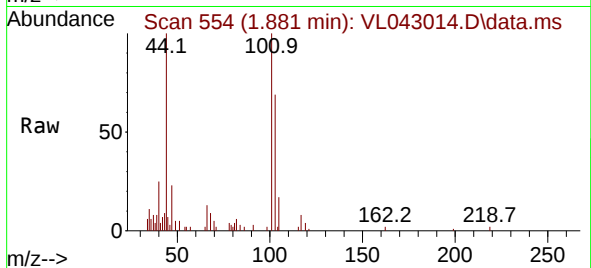




#11
 Trichlorofluoromethane
 Concen: 0.141 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

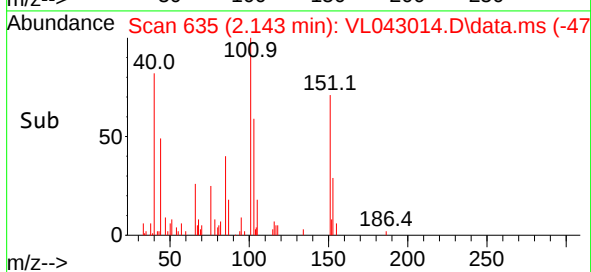
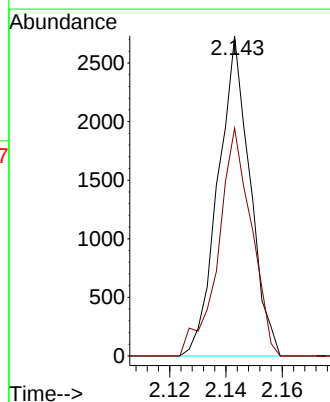
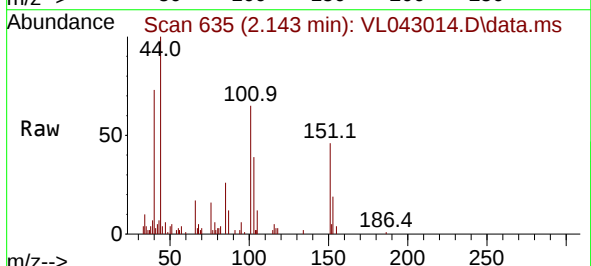
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

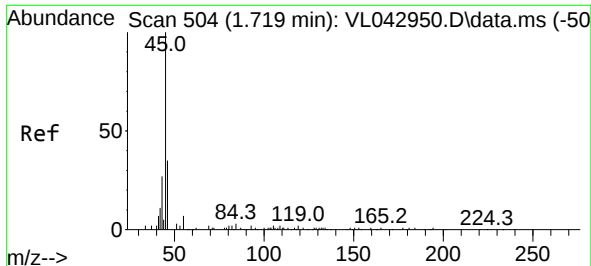
Tgt Ion:101 Resp: 2703
 Ion Ratio Lower Upper
 101 100
 103 69.1 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.138 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:101 Resp: 2143
 Ion Ratio Lower Upper
 101 100
 151 74.3 55.7 83.5

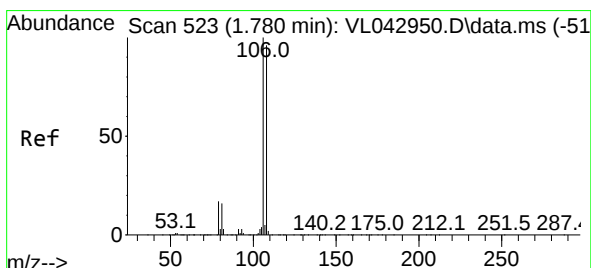
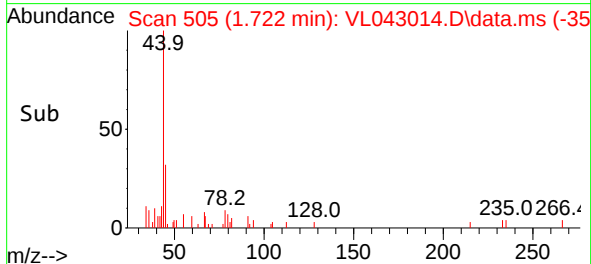
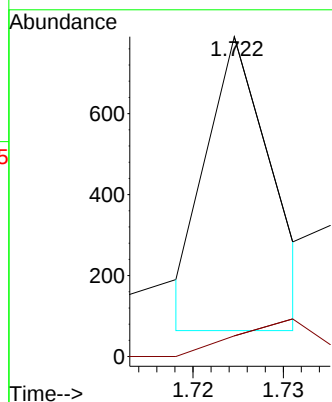
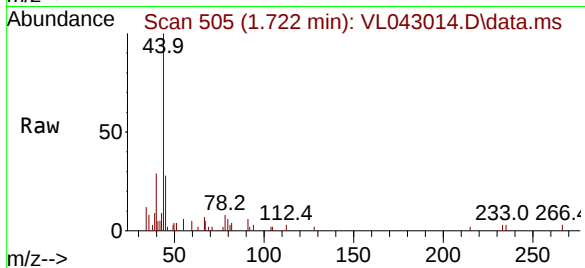




#13
Ethanol
Concen: 0.175 ppbv m
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

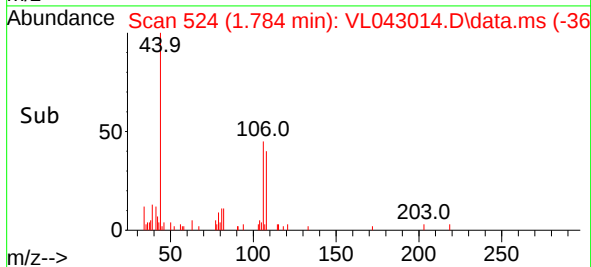
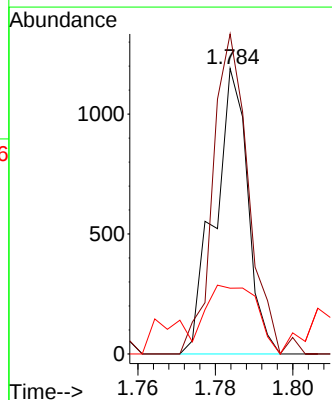
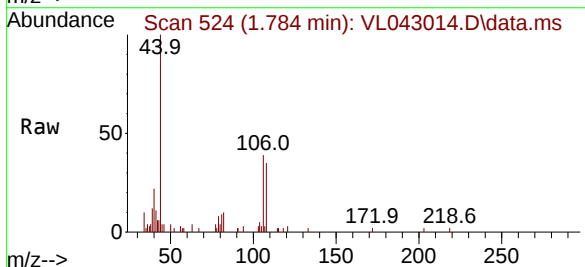
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

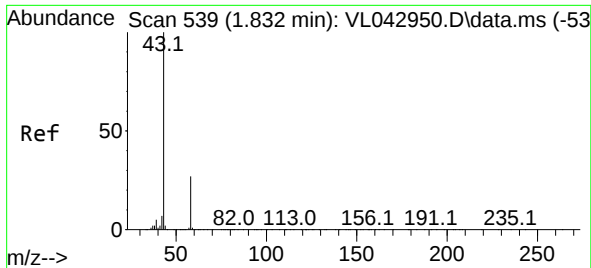
Tgt Ion: 45 Resp: 183
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#



#14
Bromoethene
Concen: 0.120 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 108 Resp: 707
Ion Ratio Lower Upper
108 100
106 125.0 86.0 129.0
79 73.4 14.2 21.2#





#15

Acetone

Concen: 0.219 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

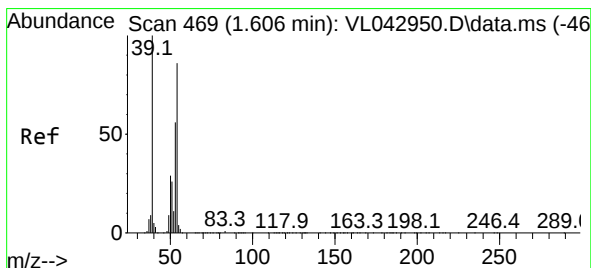
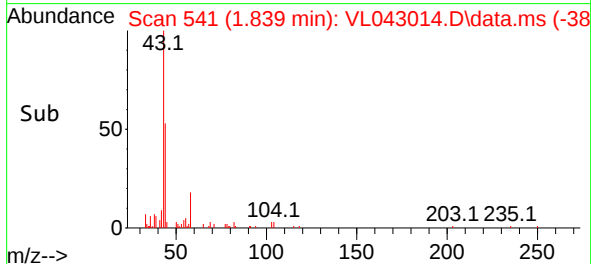
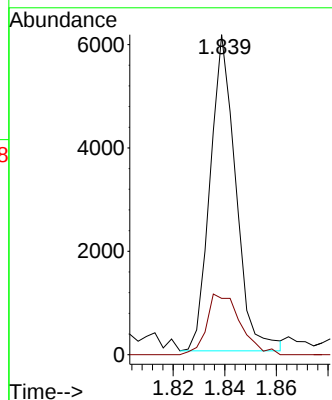
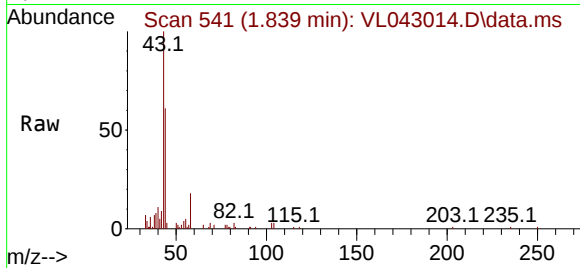
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 4223

Ion Ratio Lower Upper

43 100

58 25.1 22.3 33.5



#16

1,3-Butadiene

Concen: 0.114 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.007 min

Lab File: VL043014.D

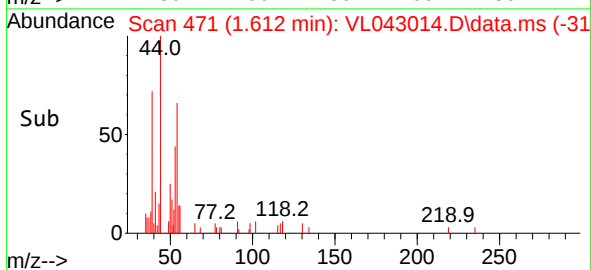
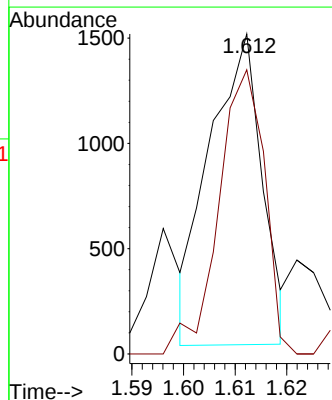
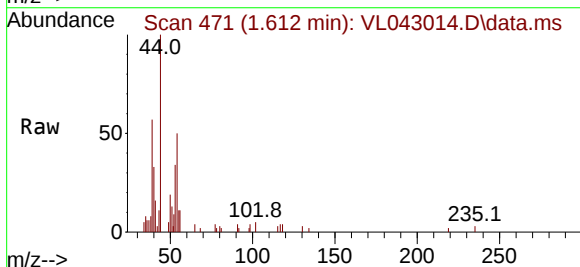
Acq: 24 Sep 2025 17:59

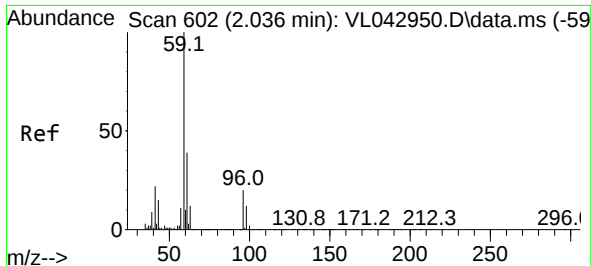
Tgt Ion: 39 Resp: 1041

Ion Ratio Lower Upper

39 100

54 85.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.100 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

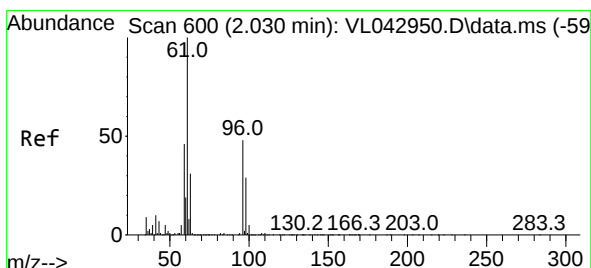
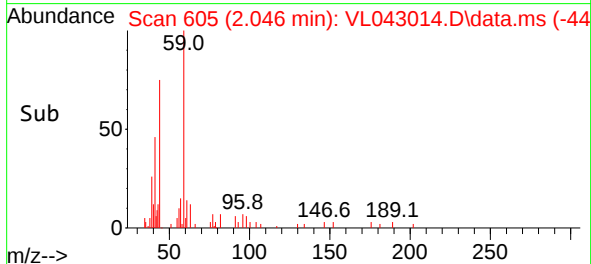
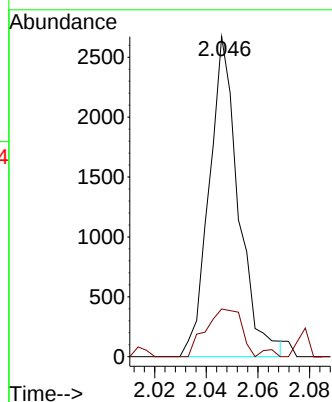
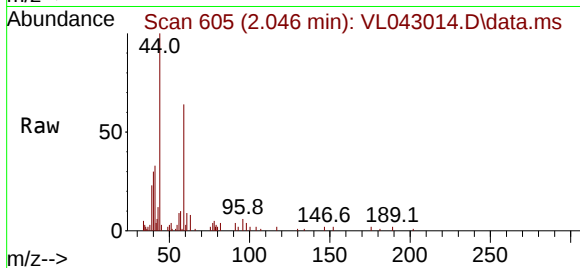
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 2115

Ion Ratio Lower Upper

59 100

57 20.3 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.154 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

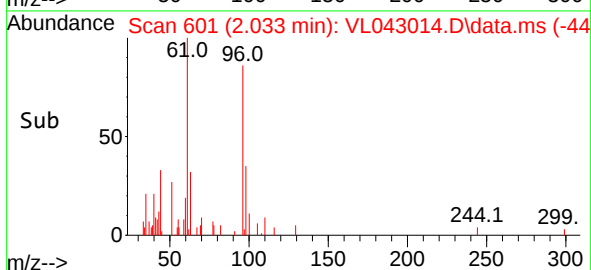
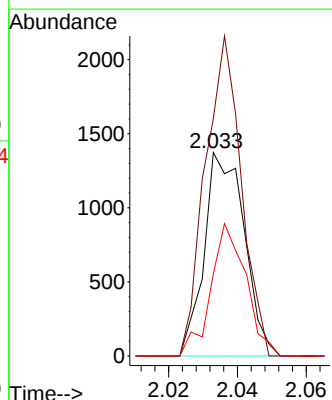
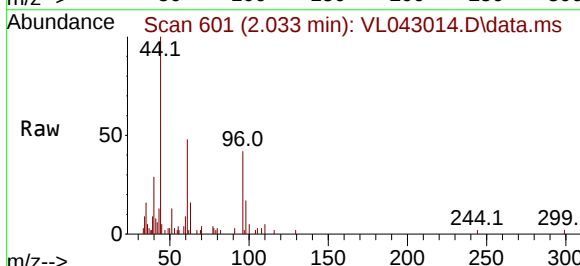
Tgt Ion: 96 Resp: 1109

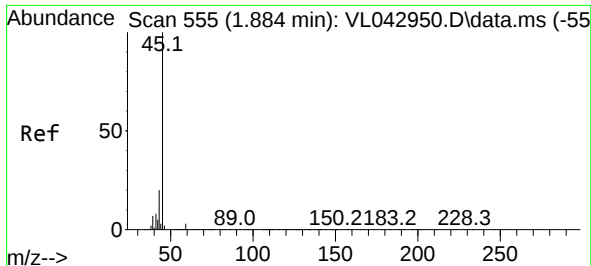
Ion Ratio Lower Upper

96 100

61 116.7 166.2 249.4#

98 40.4 48.6 73.0#

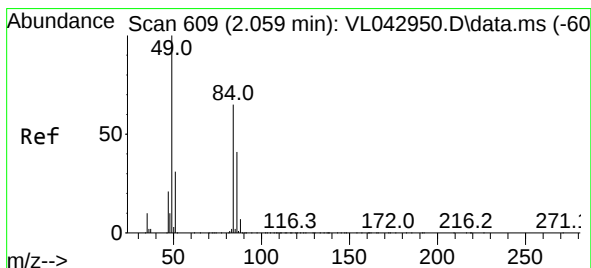
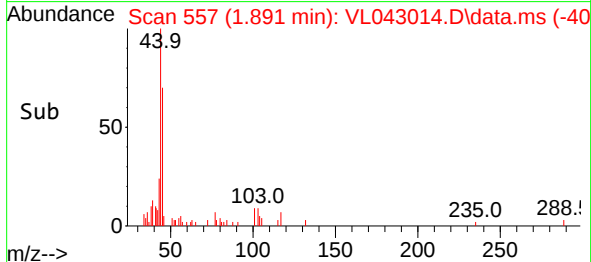
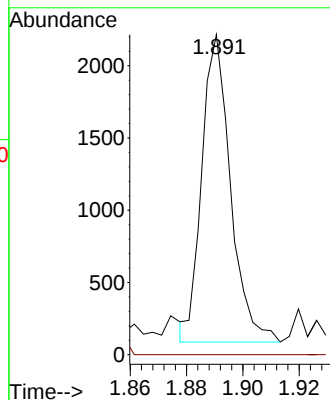
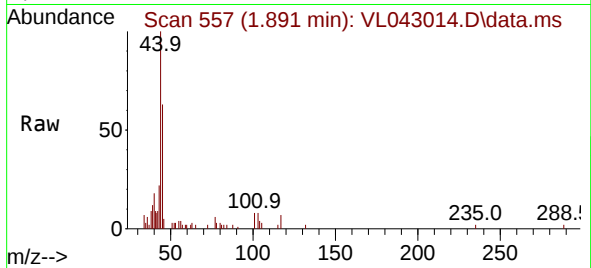




#19
Isopropyl Alcohol
Concen: 0.130 ppbv
RT: 1.891 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

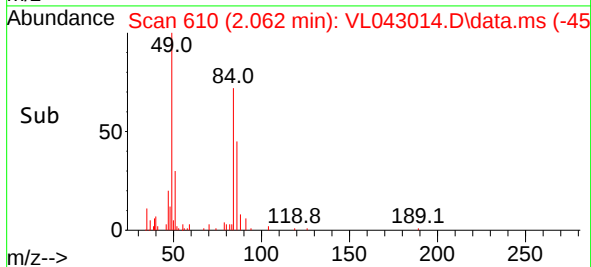
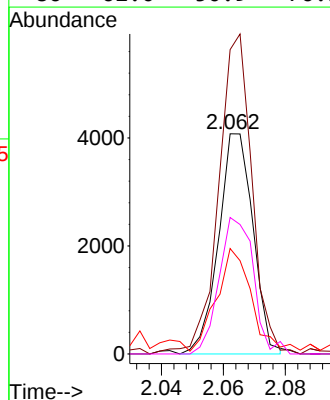
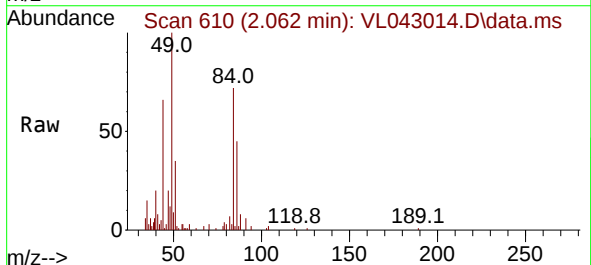
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

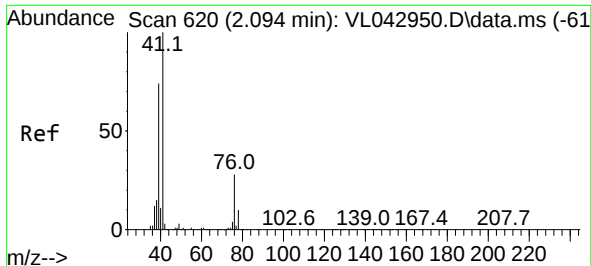
Tgt Ion: 45 Resp: 1505
Ion Ratio Lower Upper
45 100
58 70.4 31.0 46.6#



#20
Methylene Chloride
Concen: 0.390 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 84 Resp: 3150
Ion Ratio Lower Upper
84 100
49 136.5 124.1 186.1
51 44.8 39.8 59.8
86 62.0 50.9 76.3

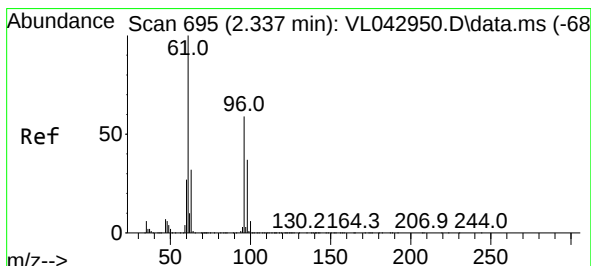
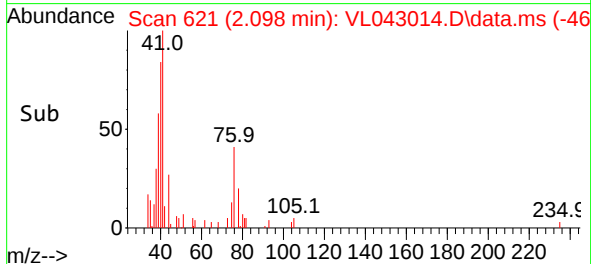
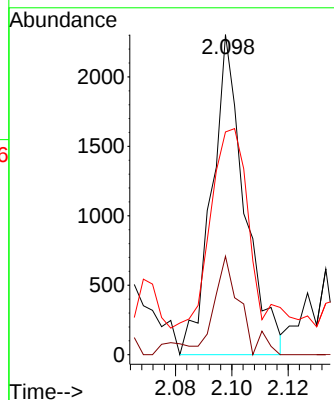
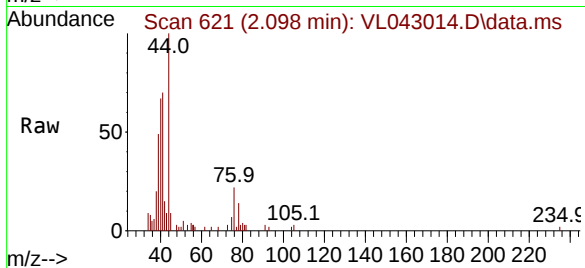




#21
 Allyl Chloride
 Concen: 0.139 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

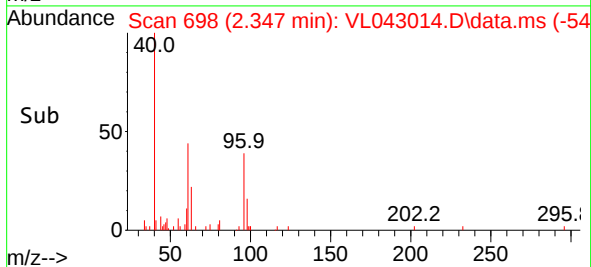
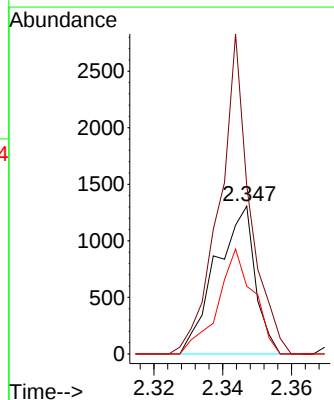
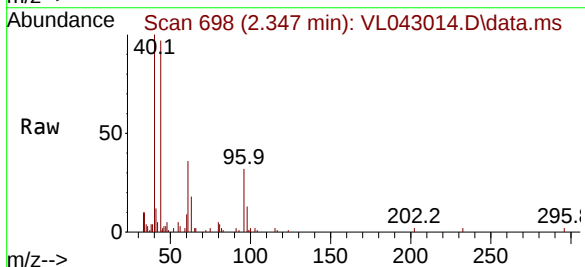
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

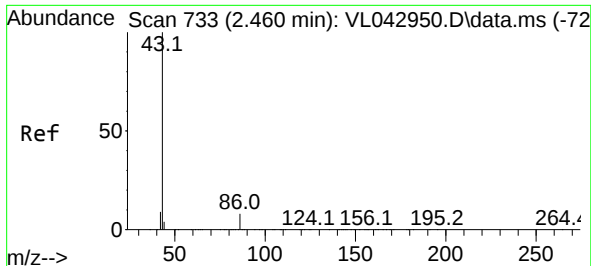
Tgt Ion: 41 Resp: 1866
 Ion Ratio Lower Upper
 41 100
 76 29.0 22.3 33.5
 39 129.3 61.3 91.9#



#22
 trans-1,2-Dichloroethene
 Concen: 0.126 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.010 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion: 96 Resp: 1032
 Ion Ratio Lower Upper
 96 100
 61 109.1 136.5 204.7#
 98 45.8 50.6 76.0#

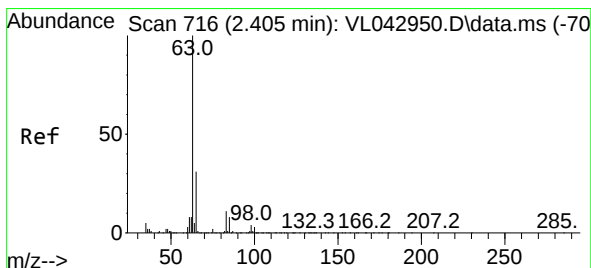
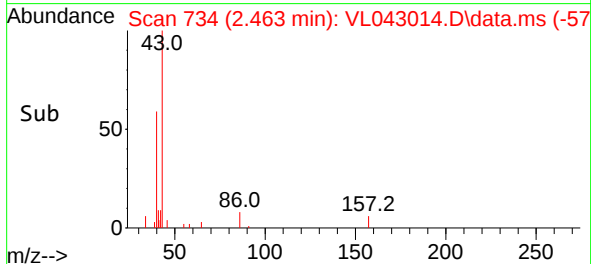
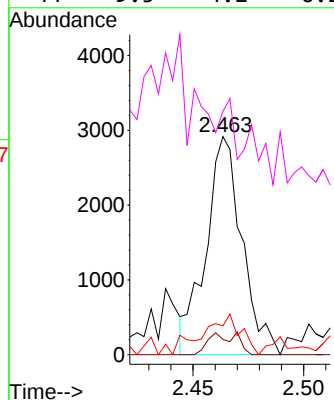
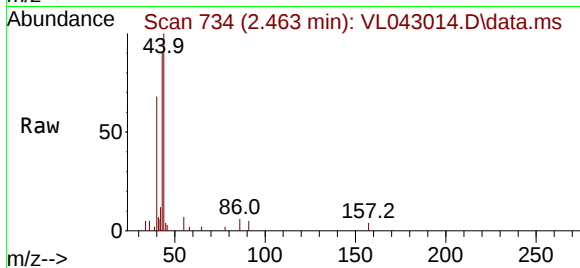




#23
 Vinyl Acetate
 Concen: 0.120 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

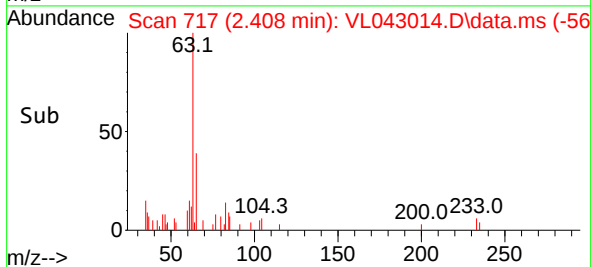
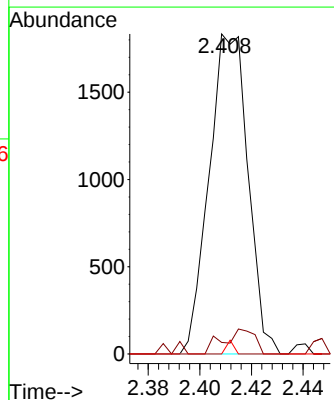
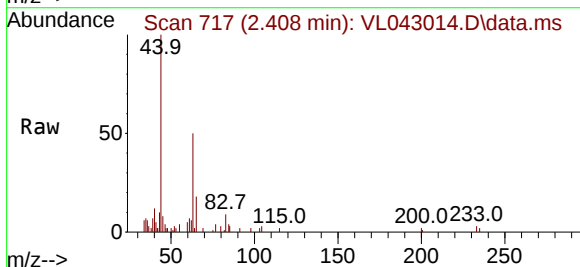
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

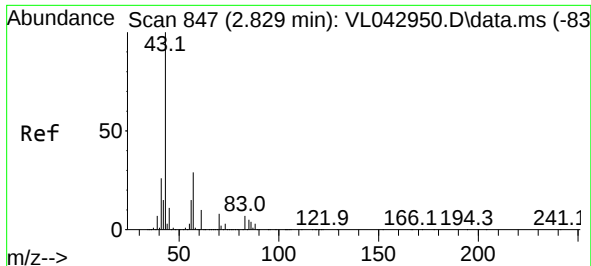
Tgt Ion:	43	Resp:	3307
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	5.0	7.4	11.0#
44	9.5	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.120 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:	63	Resp:	1920
Ion	Ratio	Lower	Upper
63	100		
98	3.6	2.2	6.6
100	0.0	1.4	4.0#





#25

Ethyl Acetate

Concen: 0.107 ppbv m

RT: 2.842 min Scan# 8

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 5230

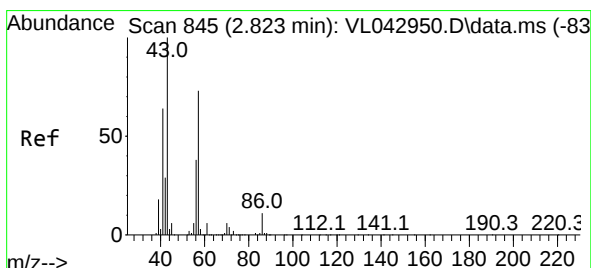
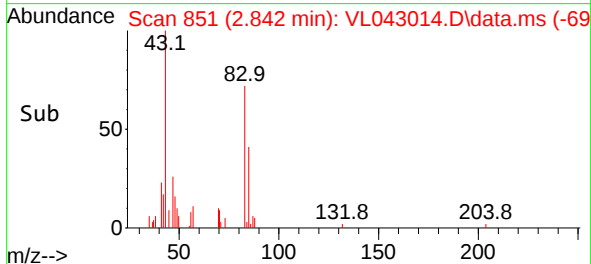
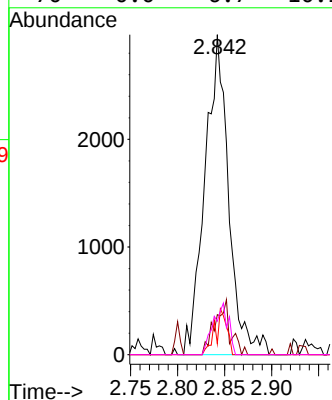
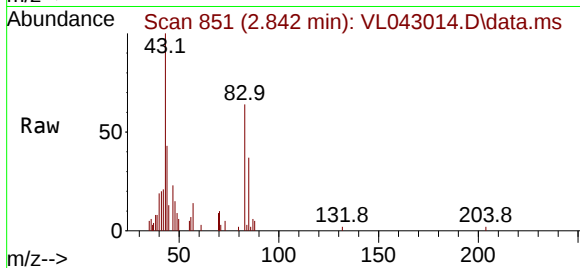
Ion Ratio Lower Upper

43 100

45 0.0 7.7 11.5#

61 0.0 7.1 10.7#

70 0.0 6.7 10.1#



#26

Hexane

Concen: 0.082 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion: 57 Resp: 1827

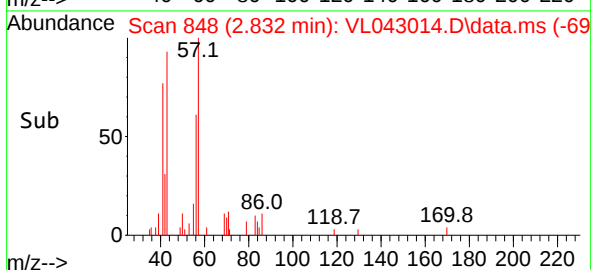
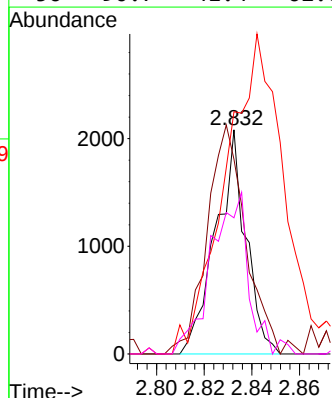
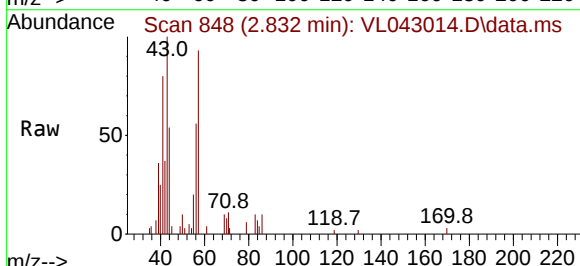
Ion Ratio Lower Upper

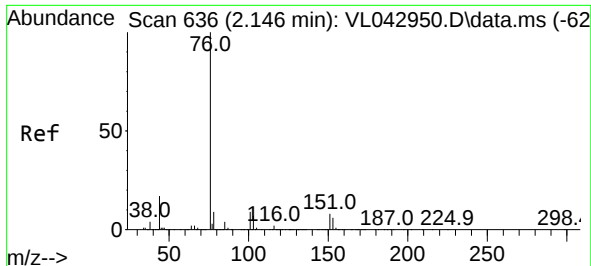
57 100

41 132.6 71.7 107.5#

43 286.3 180.8 271.2#

56 90.7 41.4 62.0#





#27

Carbon Disulfide

Concen: 0.098 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

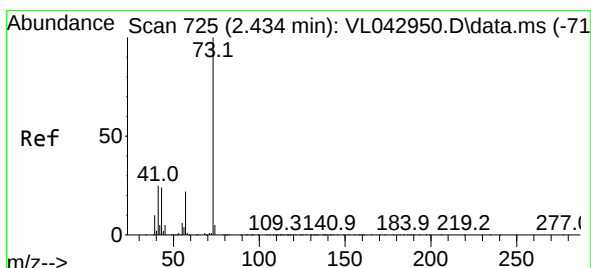
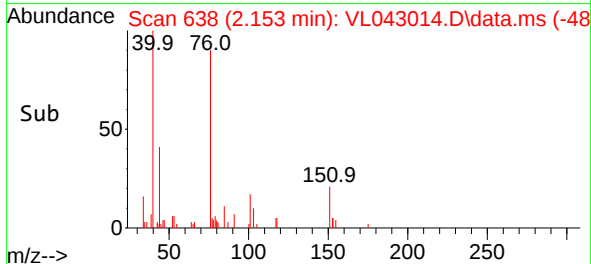
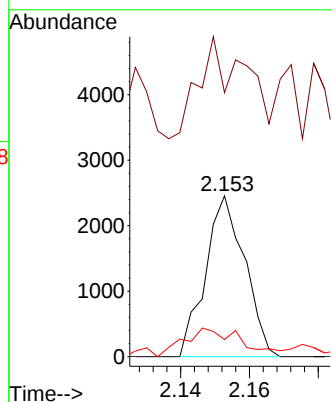
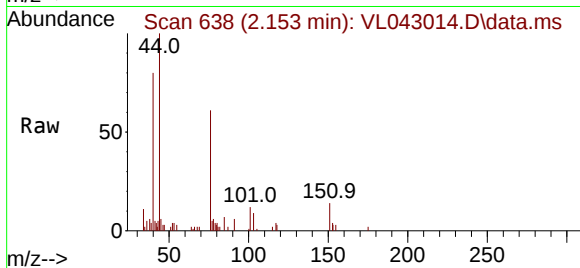
Tgt Ion: 76 Resp: 1948

Ion Ratio Lower Upper

76 100

44 291.5 15.6 23.4#

78 34.3 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.102 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.010 min

Lab File: VL043014.D

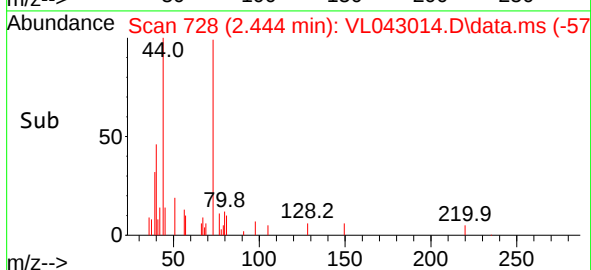
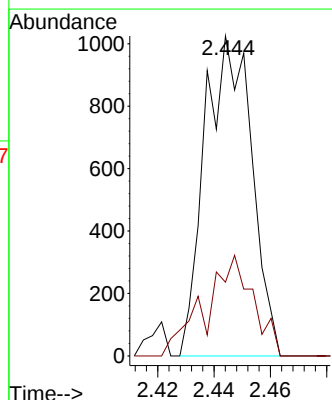
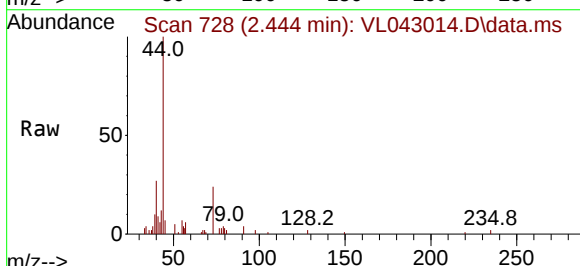
Acq: 24 Sep 2025 17:59

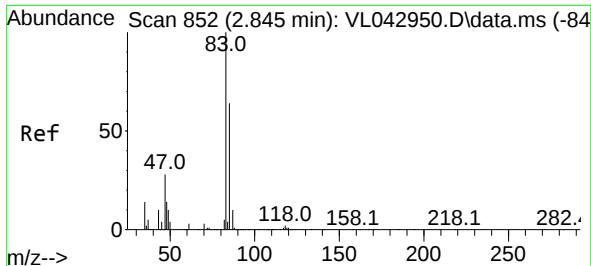
Tgt Ion: 73 Resp: 1183

Ion Ratio Lower Upper

73 100

57 32.0 20.6 31.0#





#29

Chloroform

Concen: 0.124 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

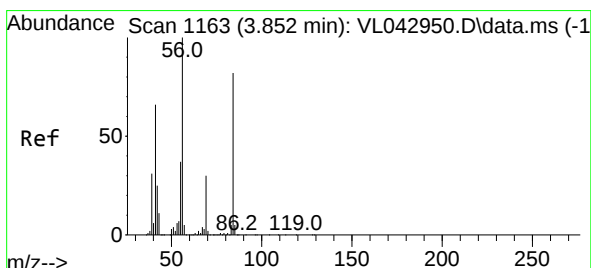
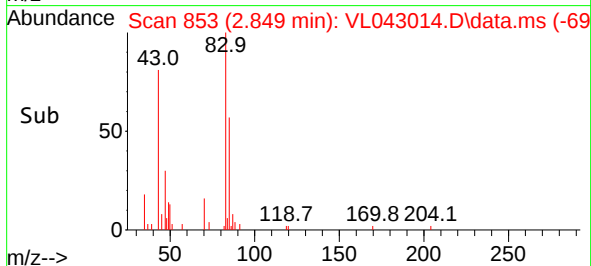
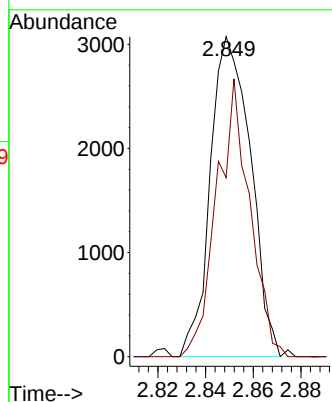
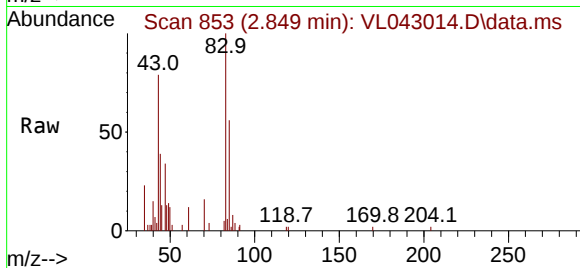
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 3599

Ion Ratio Lower Upper

83 100

85 55.9 51.2 76.8



#30

Cyclohexane

Concen: 0.079 ppbv m

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

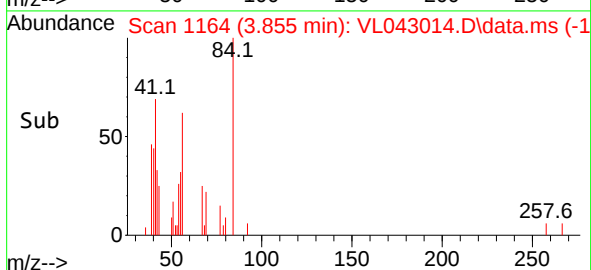
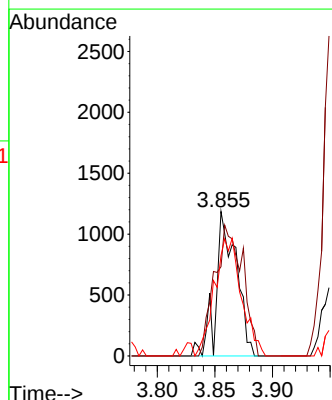
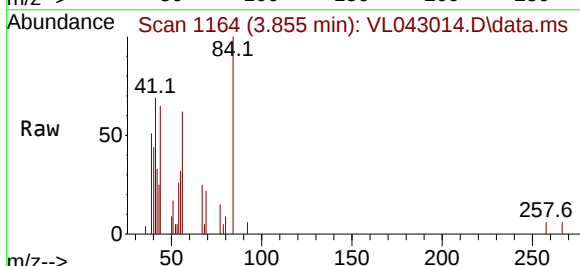
Tgt Ion: 84 Resp: 1464

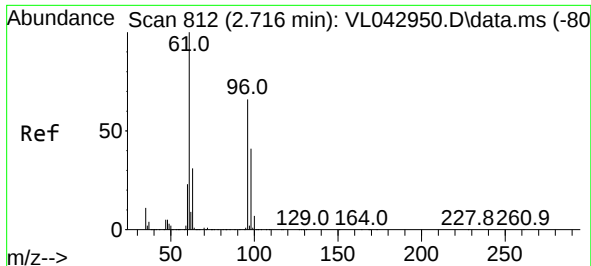
Ion Ratio Lower Upper

84 100

56 123.3 102.2 153.4

41 0.0 65.6 98.4#

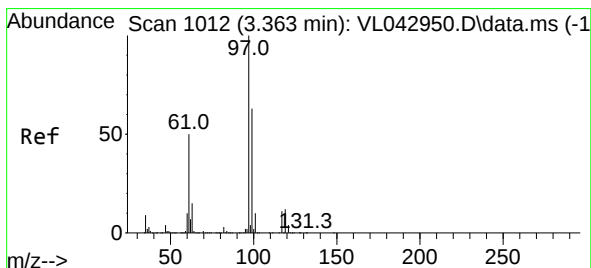
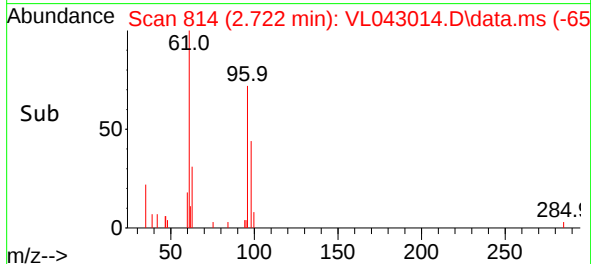
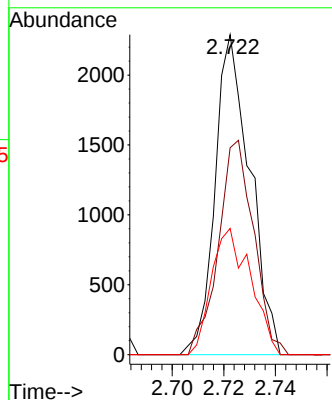
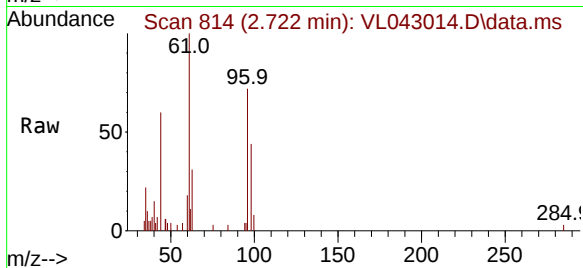




#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

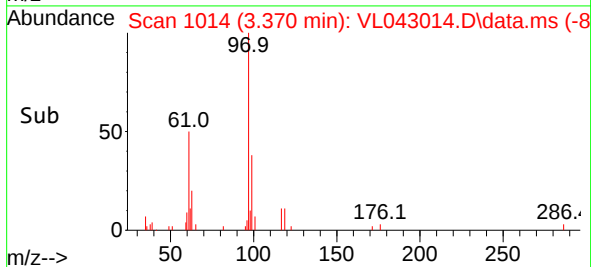
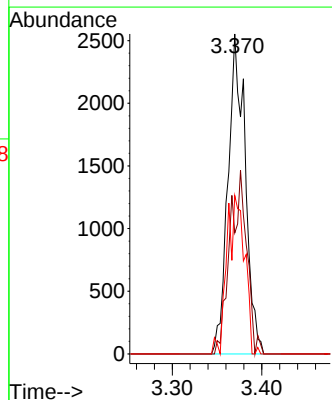
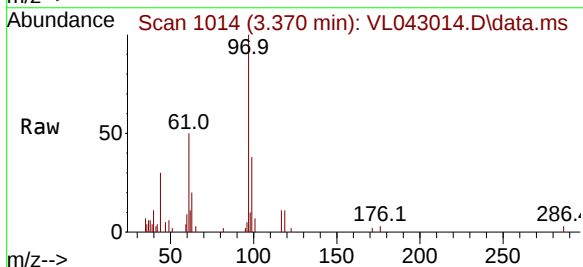
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

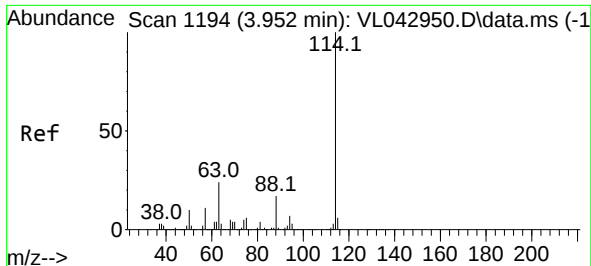
Tgt Ion:	61	Resp:	2146
Ion	Ratio	Lower	Upper
61	100		
96	64.7	53.0	79.6
98	39.4	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.108 ppbv m
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.007 min
 Lab File: VL043014.D
 Acq: 24 Sep 2025 17:59

Tgt Ion:	97	Resp:	3403
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	50.9	39.8	59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

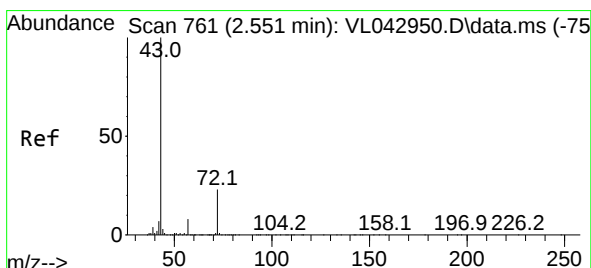
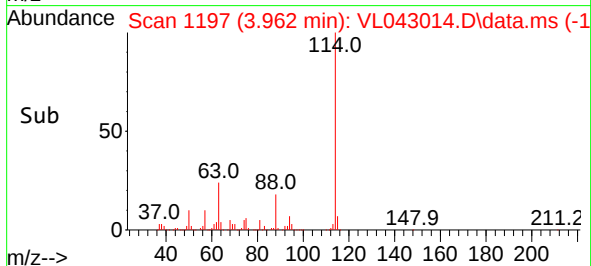
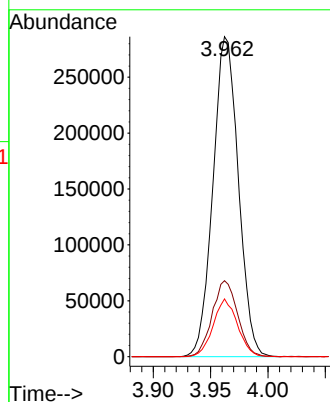
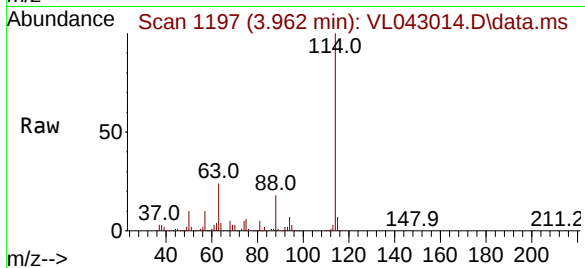
Tgt Ion:114 Resp: 440291

Ion Ratio Lower Upper

114 100

63 23.8 19.4 29.2

88 17.3 14.2 21.2



#34

2-Butanone

Concen: 0.118 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL043014.D

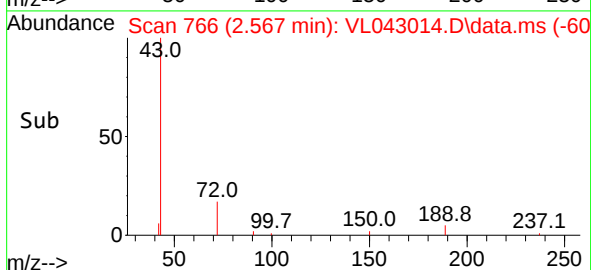
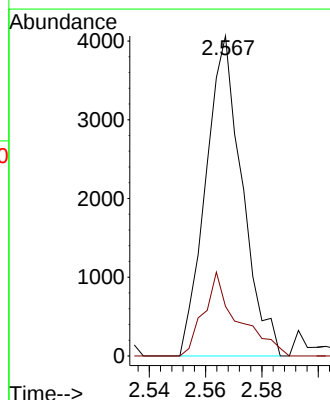
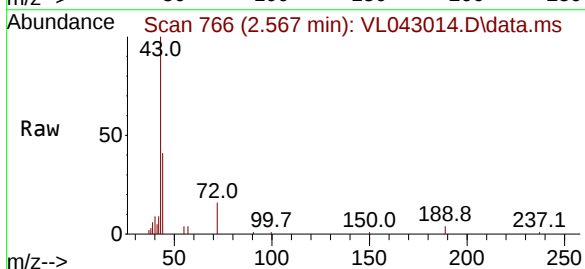
Acq: 24 Sep 2025 17:59

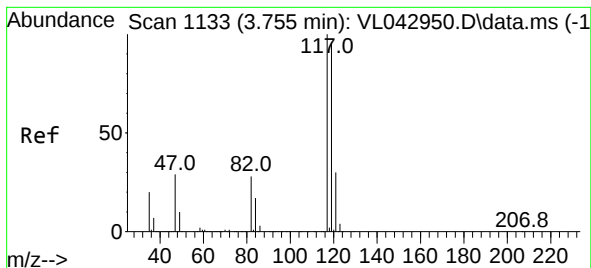
Tgt Ion: 43 Resp: 3646

Ion Ratio Lower Upper

43 100

72 24.6 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.120 ppbv m

RT: 3.768 min Scan# 1137

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

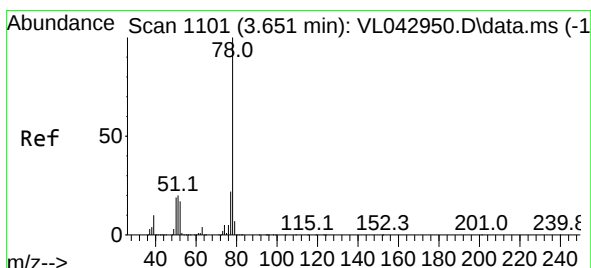
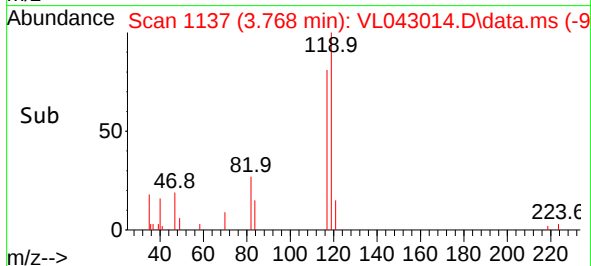
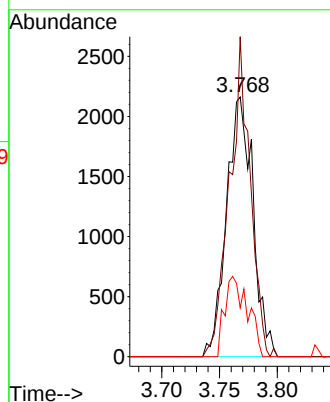
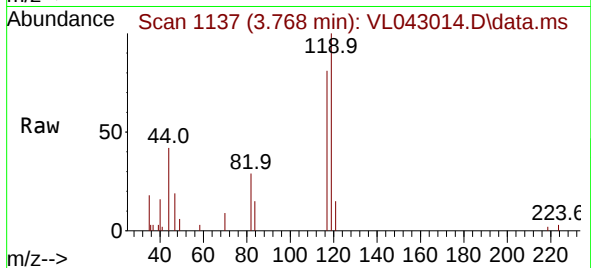
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	117	Resp:	3446
Ion	Ratio	Lower	Upper
117	100		
119	123.2	76.9	115.3#
121	18.9	23.7	35.5#



#36

Benzene

Concen: 0.099 ppbv m

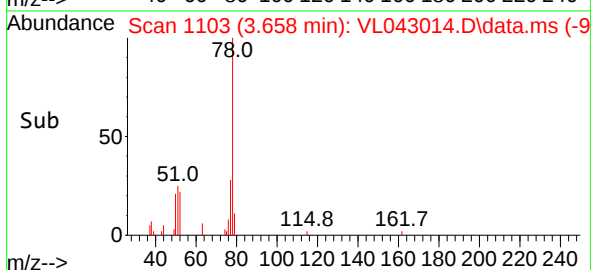
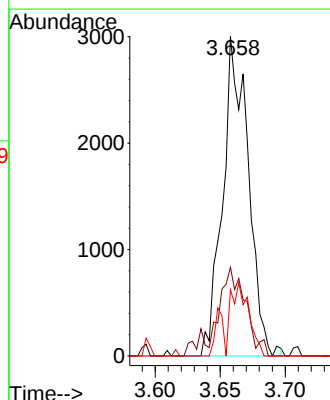
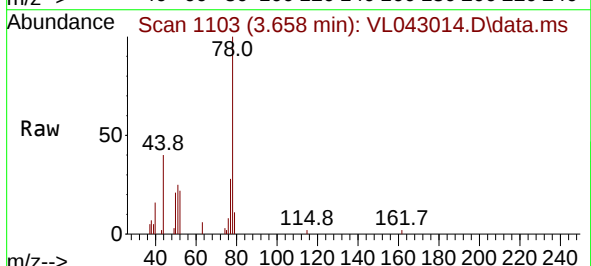
RT: 3.658 min Scan# 1103

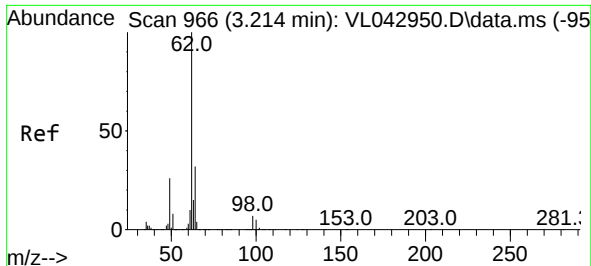
Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:	78	Resp:	4103
Ion	Ratio	Lower	Upper
78	100		
77	27.7	17.8	26.6#
50	20.7	15.0	22.4





#37

1,2-Dichloroethane

Concen: 0.125 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

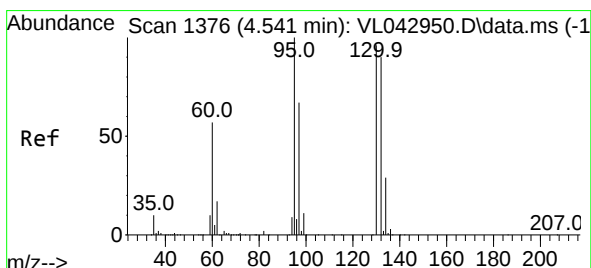
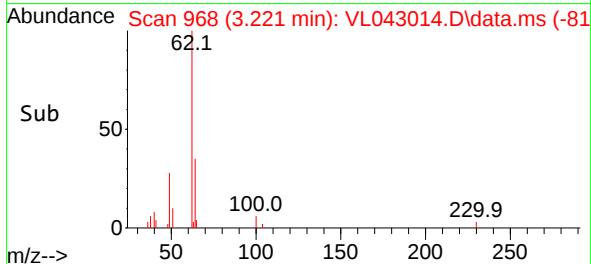
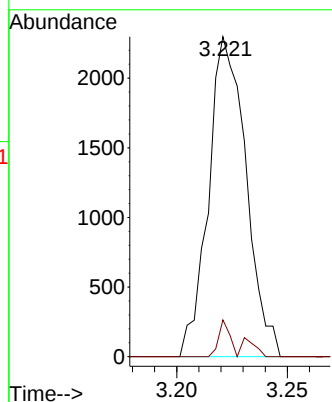
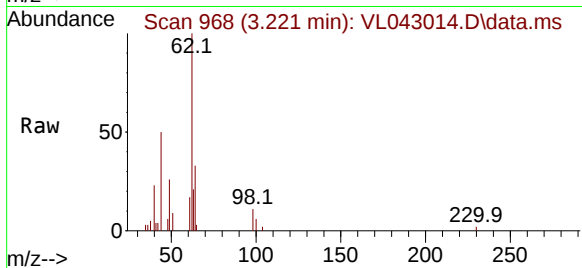
MDL-AIR-03-QT3-2025

Tgt Ion: 62 Resp: 2709

Ion Ratio Lower Upper

62 100

98 5.5 5.9 8.9#



#38

Trichloroethene

Concen: 0.109 ppbv m

RT: 4.551 min Scan# 1379

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:130 Resp: 2250

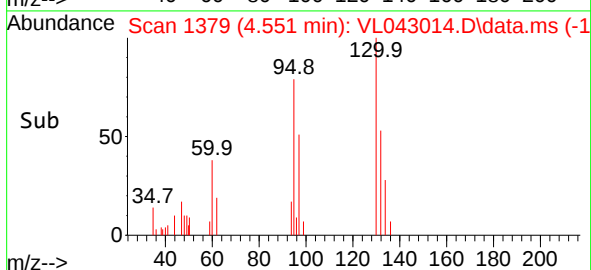
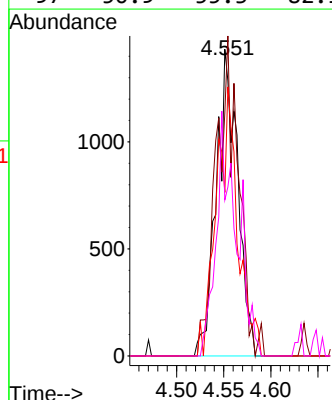
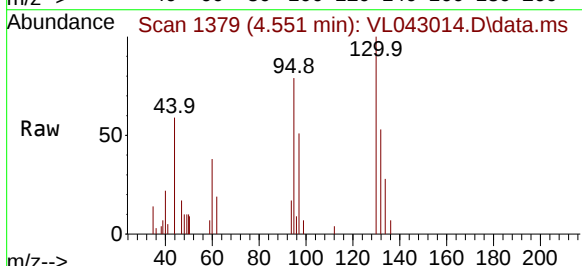
Ion Ratio Lower Upper

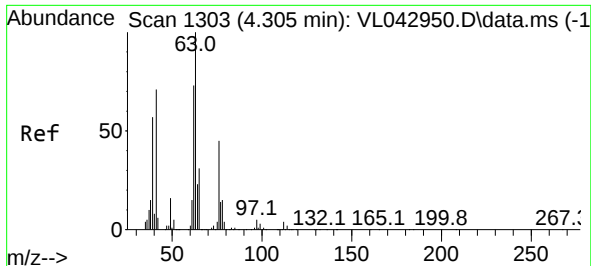
130 100

95 79.3 83.0 124.4#

132 53.3 74.6 112.0#

97 50.9 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 0.123 ppbv m

RT: 4.318 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

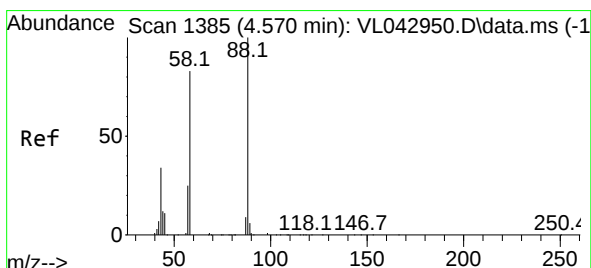
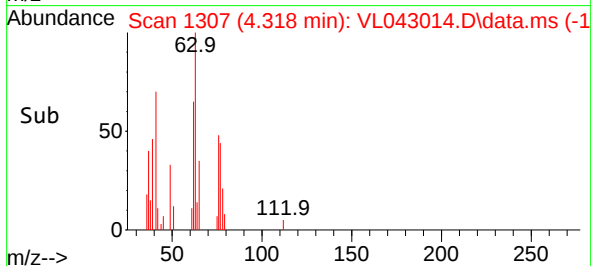
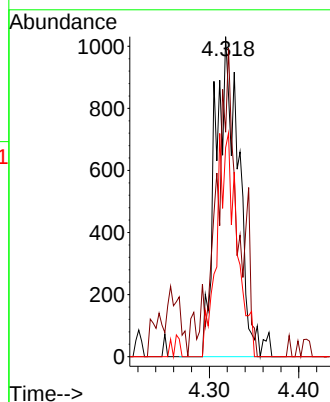
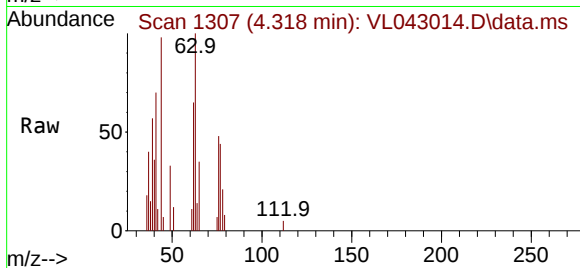
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion: 63	Resp: 1860
Ion Ratio	Lower Upper
63 100	
41 70.1	57.5 86.3
62 65.4	58.5 87.7



#40

1,4-Dioxane

Concen: 0.087 ppbv m

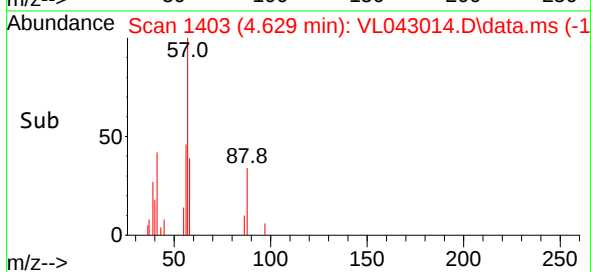
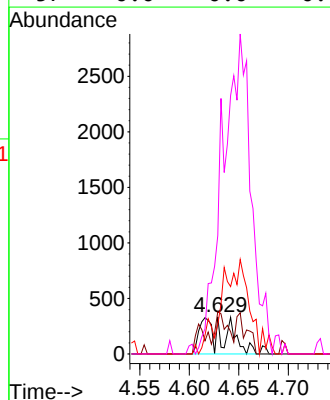
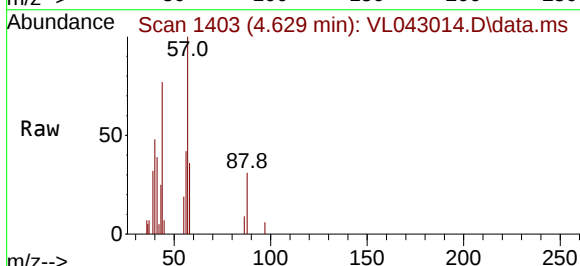
RT: 4.629 min Scan# 1403

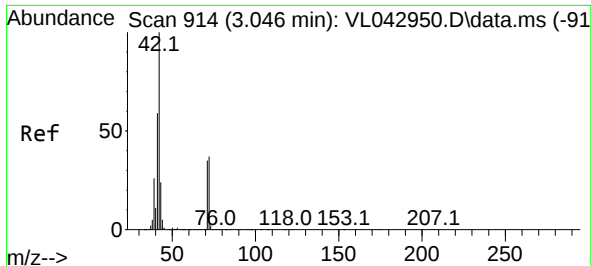
Delta R.T. 0.058 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion: 88	Resp: 614
Ion Ratio	Lower Upper
88 100	
58 0.0	59.7 89.5#
43 19.5	28.9 43.3#
57 0.0	0.0 0.0

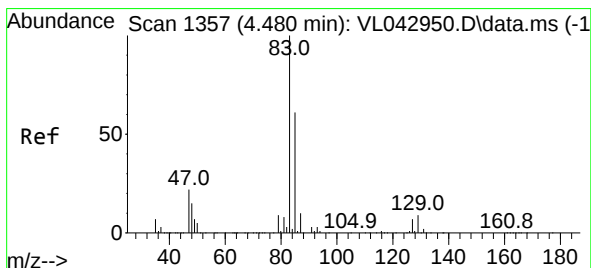
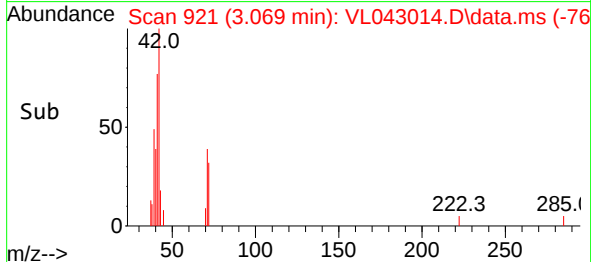
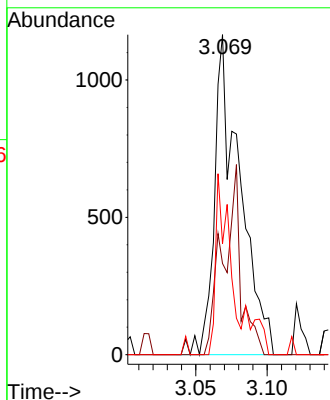
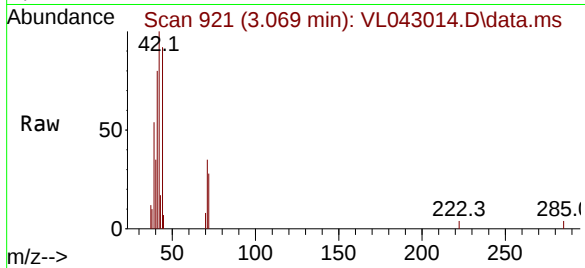




#41
Tetrahydrofuran
Concen: 0.082 ppbv m
RT: 3.069 min Scan# 914
Delta R.T. 0.023 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

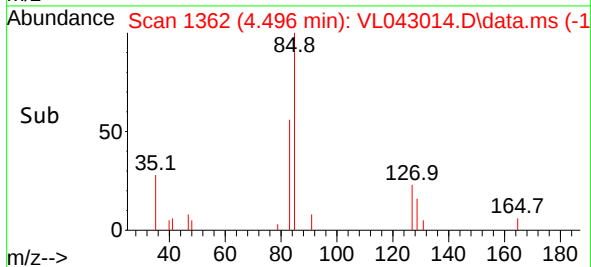
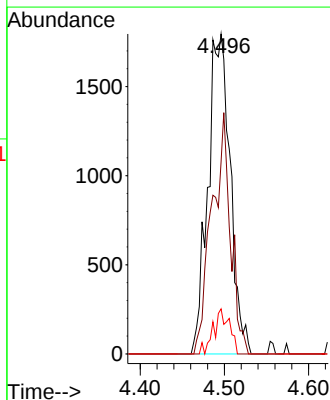
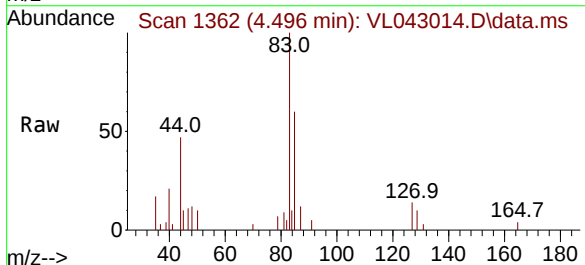
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

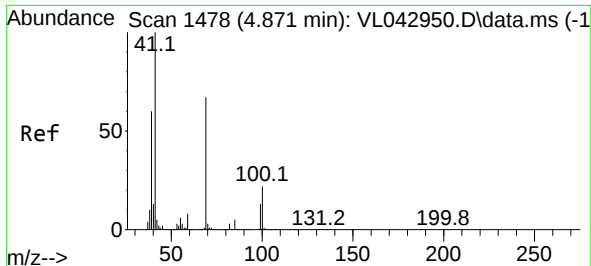
Tgt Ion: 42 Resp: 1447
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.8 43.2#



#42
Bromodichloromethane
Concen: 0.110 ppbv m
RT: 4.496 min Scan# 1362
Delta R.T. 0.016 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 83 Resp: 3323
Ion Ratio Lower Upper
83 100
85 60.1 49.0 73.6
127 14.1 5.3 7.9#





#43

Methyl Methacrylate

Concen: 0.090 ppbv m

RT: 4.891 min Scan# 1410

Delta R.T. 0.019 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

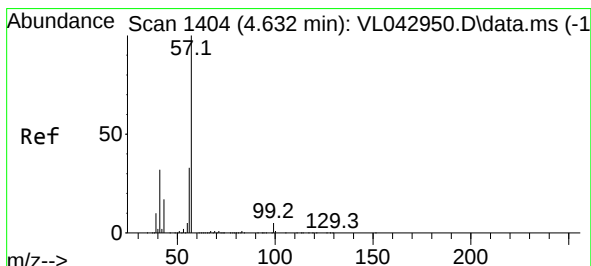
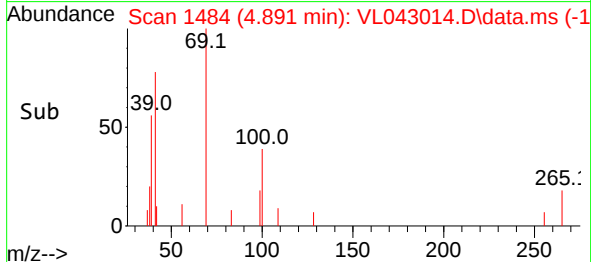
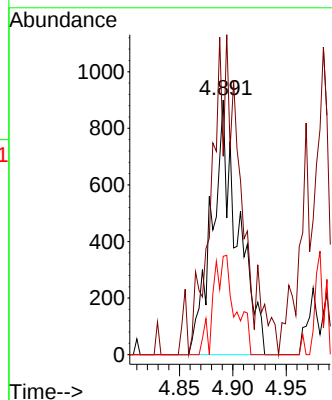
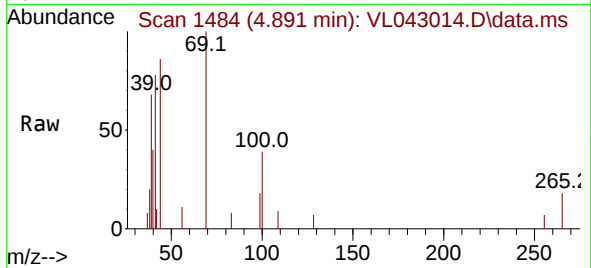
Tgt Ion: 69 Resp: 1519

Ion Ratio Lower Upper

69 100

41 0.0 124.5 186.7#

100 0.0 29.0 43.6#



#44

2,2,4-Trimethylpentane

Concen: 0.082 ppbv m

RT: 4.651 min Scan# 1410

Delta R.T. 0.019 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

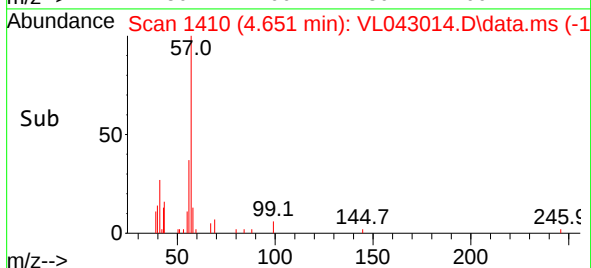
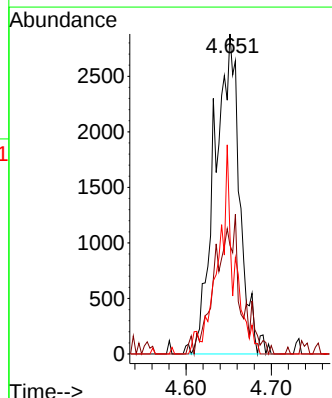
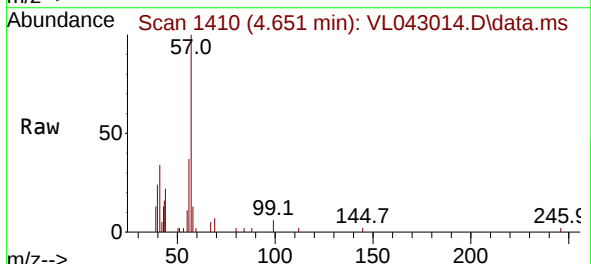
Tgt Ion: 57 Resp: 5891

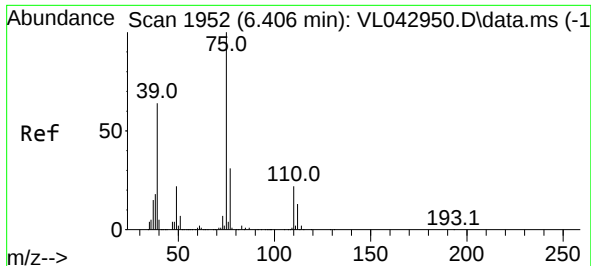
Ion Ratio Lower Upper

57 100

41 0.0 25.5 38.3#

56 0.0 25.8 38.8#

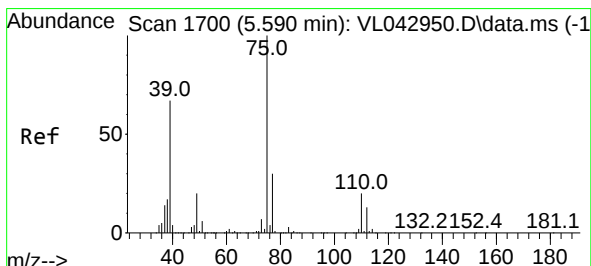
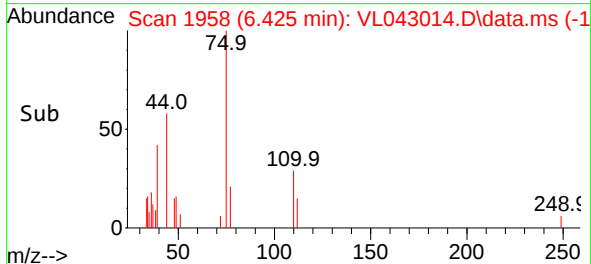
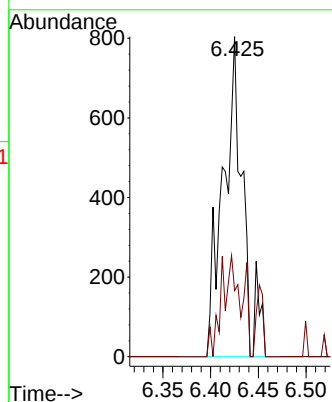
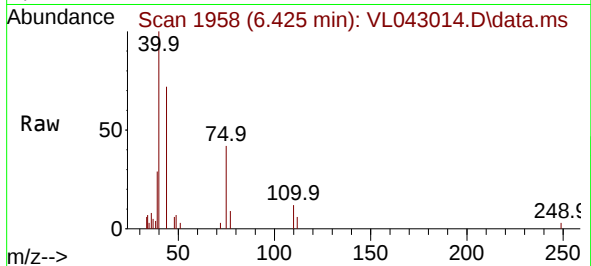




#45
t-1,3-Dichloropropene
Concen: 0.064 ppbv m
RT: 6.425 min Scan# 1153
Delta R.T. 0.019 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

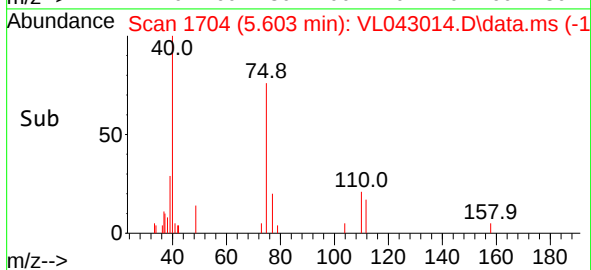
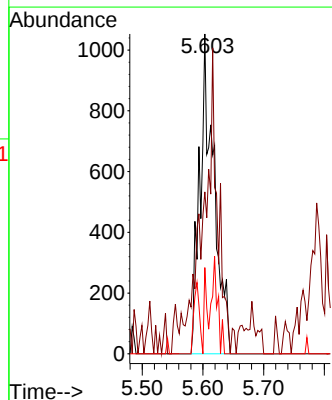
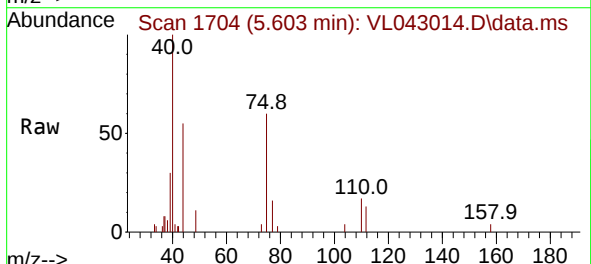
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

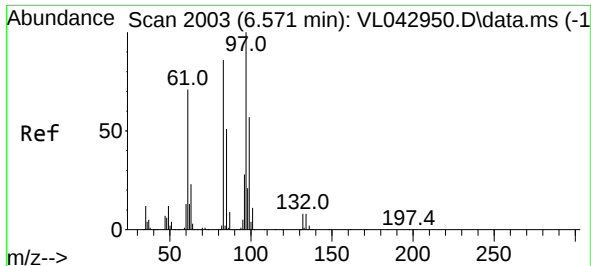
Tgt Ion: 75 Resp: 1153
Ion Ratio Lower Upper
75 100
77 20.6 25.0 37.4#



#46
cis-1,3-Dichloropropene
Concen: 0.074 ppbv m
RT: 5.603 min Scan# 1704
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 75 Resp: 1706
Ion Ratio Lower Upper
75 100
39 50.6 53.8 80.6#
77 27.0 23.6 35.4

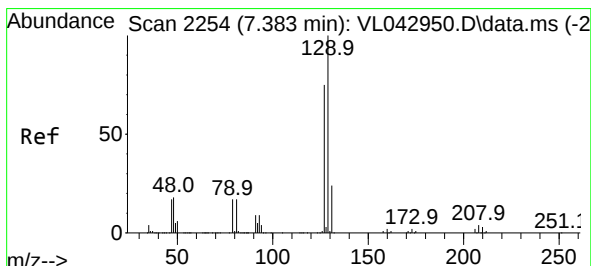
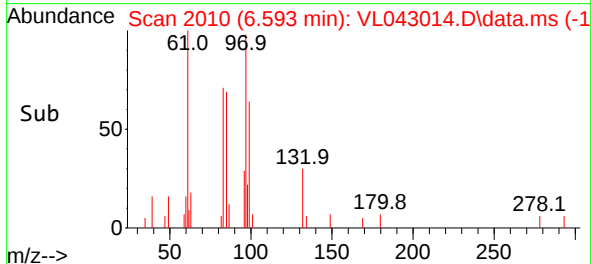
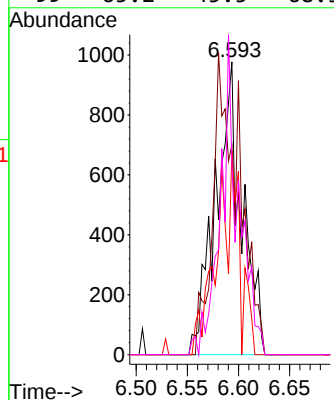
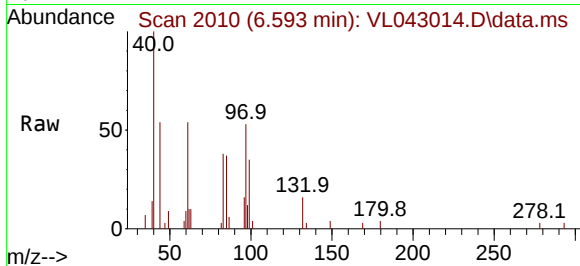




#47
1,1,2-Trichloroethane
Concen: 0.108 ppbv m
RT: 6.593 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

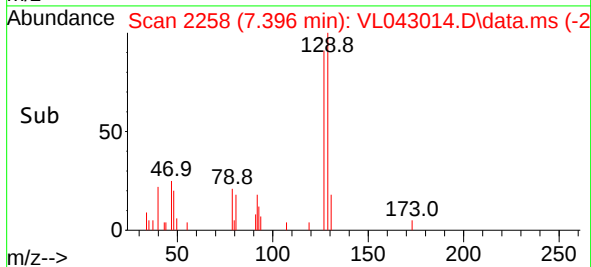
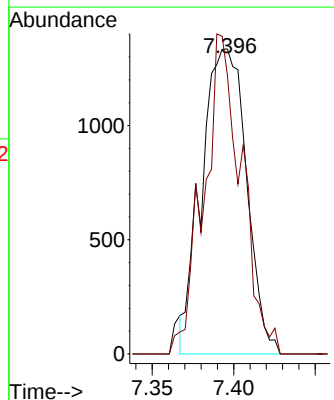
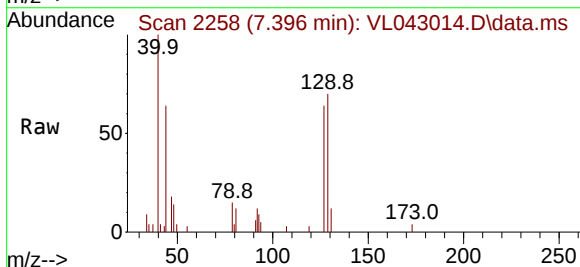
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

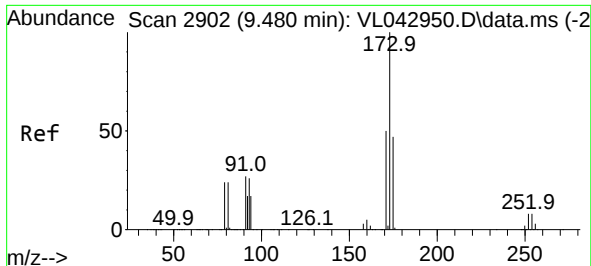
Tgt Ion: 97	Resp:	1719	
Ion	Ratio	Lower	Upper
97	100		
83	71.6	68.7	103.1
85	69.6	40.6	60.8#
99	65.2	45.5	68.3



#48
Dibromochloromethane
Concen: 0.100 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:129	Resp:	2551	
Ion	Ratio	Lower	Upper
129	100		
127	88.5	39.1	117.2





#49

Bromoform

Concen: 0.095 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

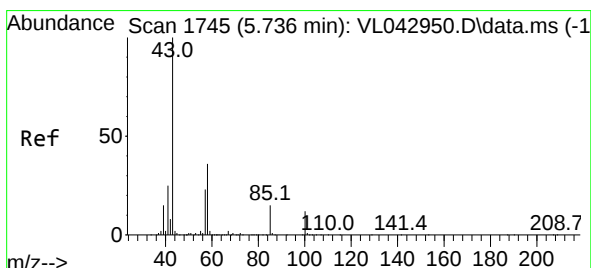
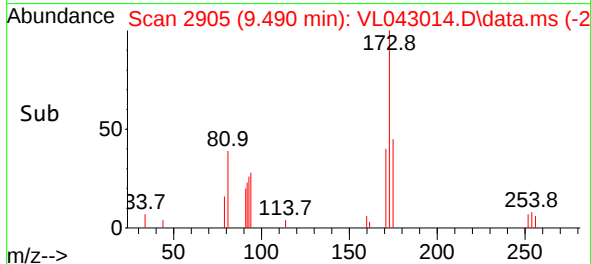
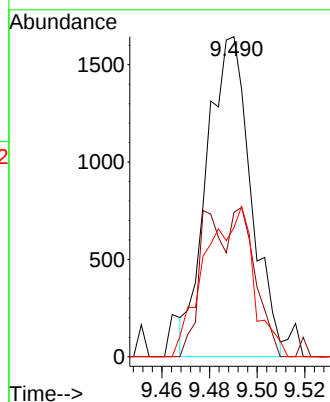
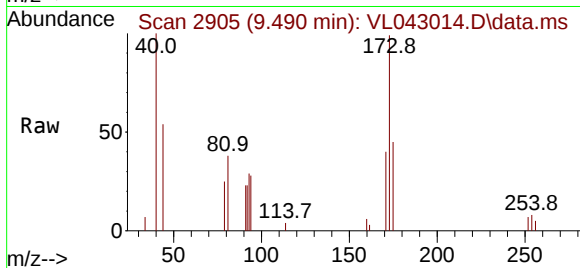
Tgt Ion:173 Resp: 2111

Ion Ratio Lower Upper

173 100

175 53.8 37.9 56.9

171 51.6 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.081 ppbv m

RT: 5.791 min Scan# 1762

Delta R.T. 0.055 min

Lab File: VL043014.D

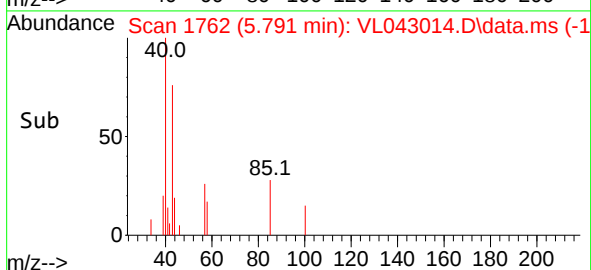
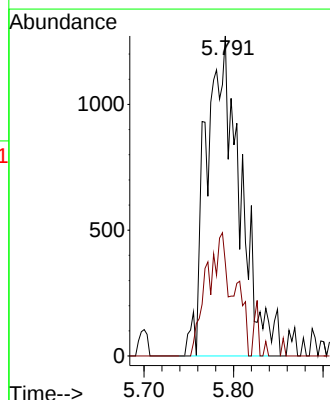
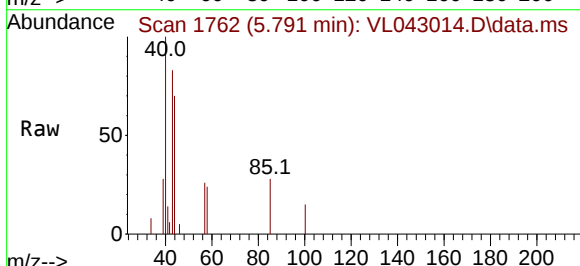
Acq: 24 Sep 2025 17:59

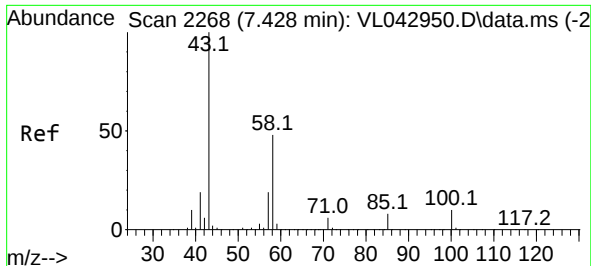
Tgt Ion: 43 Resp: 3364

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

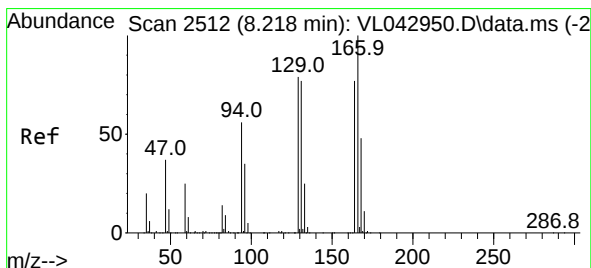
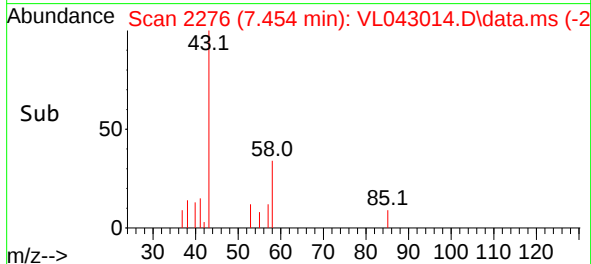
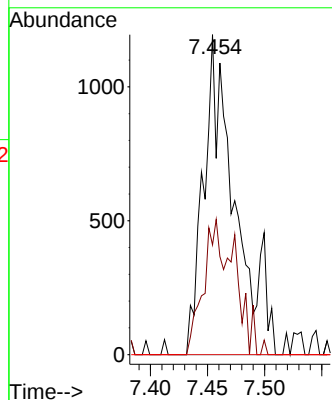
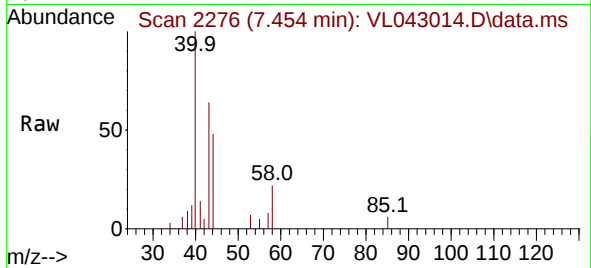




#51
2-Hexanone
Concen: 0.069 ppbv m
RT: 7.454 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

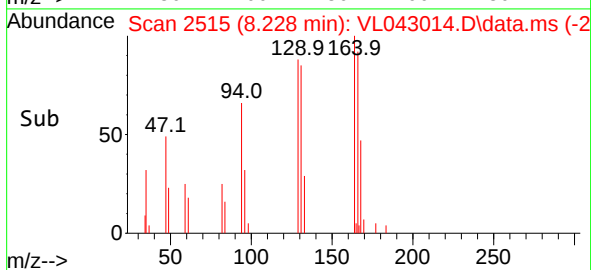
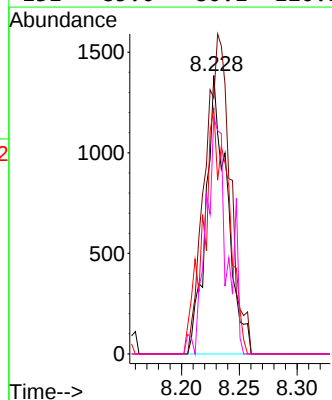
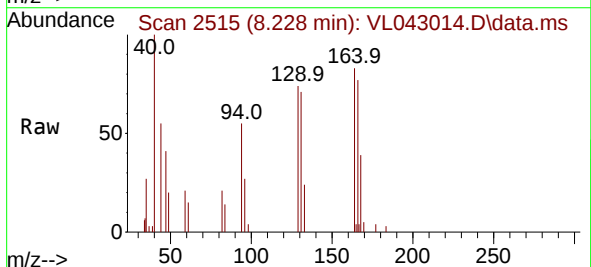
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

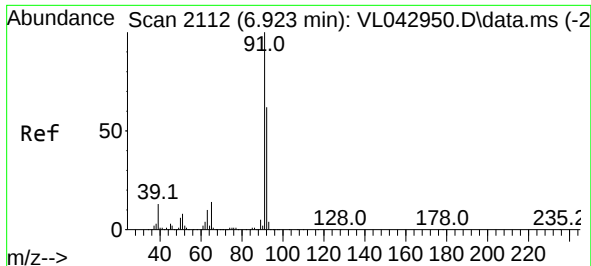
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.111 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 164 Resp: 1769
Ion Ratio Lower Upper
164 100
166 92.0 103.5 155.3#
129 88.2 82.2 123.4
131 85.0 80.1 120.1

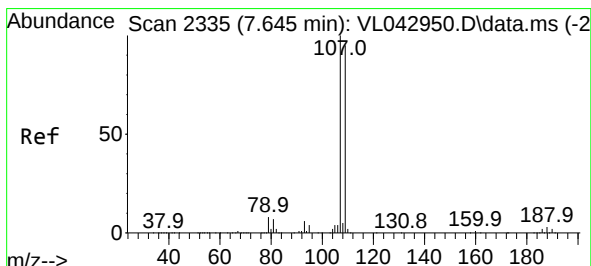
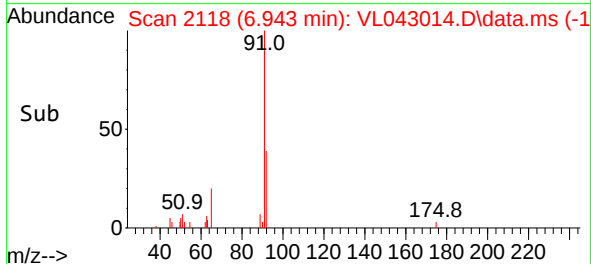
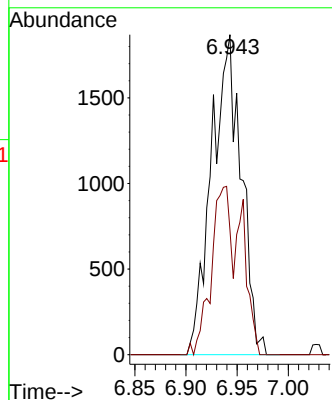
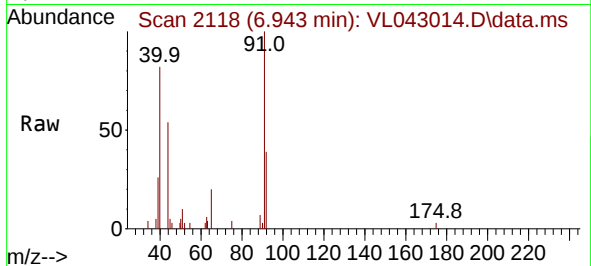




#53
Toluene
Concen: 0.077 ppbv m
RT: 6.943 min Scan# 2112
Delta R.T. 0.019 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

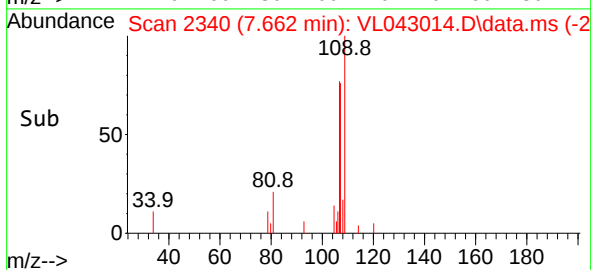
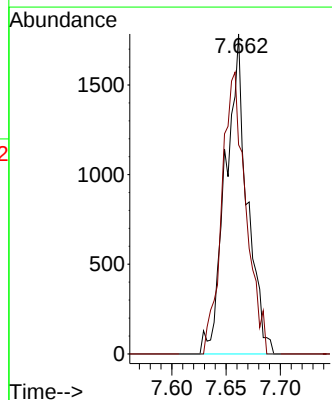
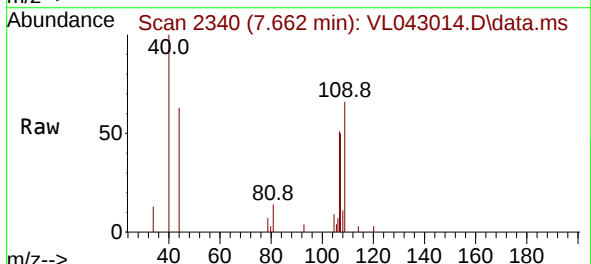
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

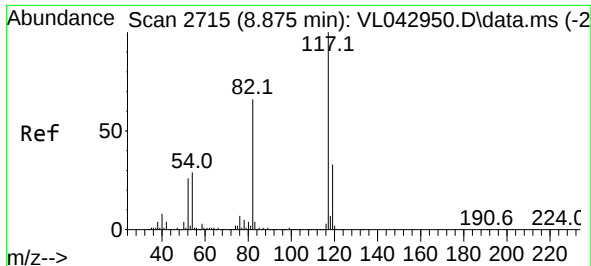
Tgt Ion: 91 Resp: 3765
Ion Ratio Lower Upper
91 100
92 52.9 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.110 ppbv m
RT: 7.662 min Scan# 2340
Delta R.T. 0.016 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 107 Resp: 2480
Ion Ratio Lower Upper
107 100
109 129.6 75.8 113.8#

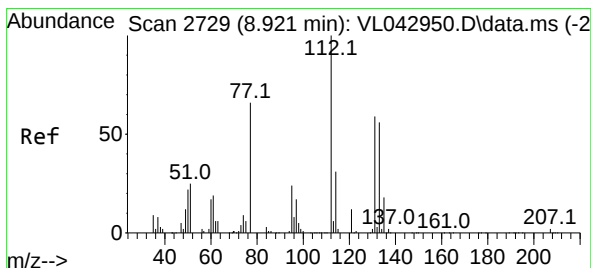
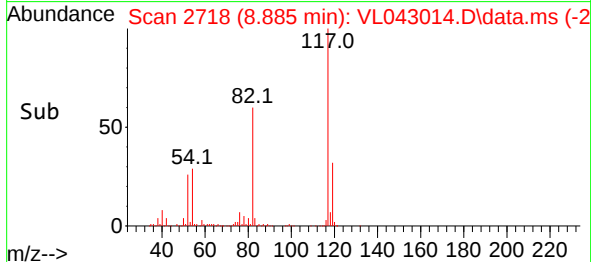
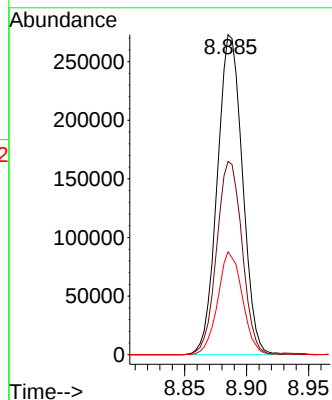
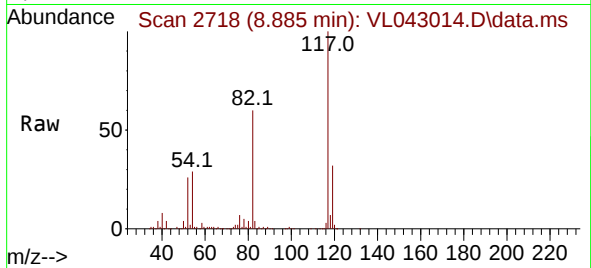




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

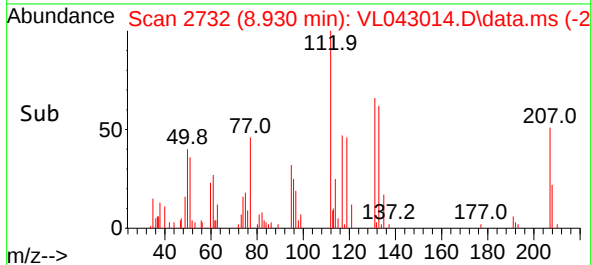
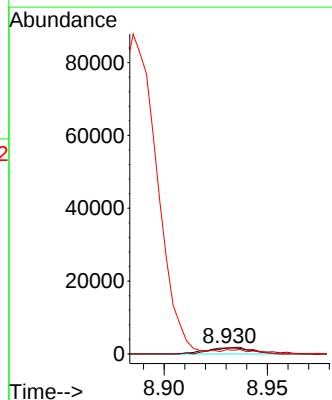
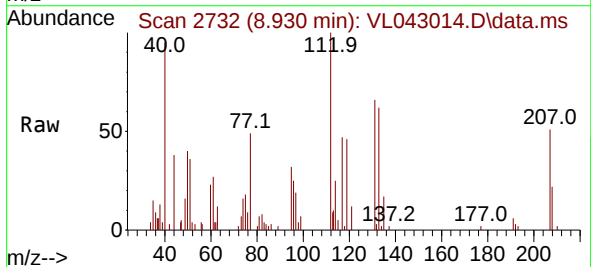
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

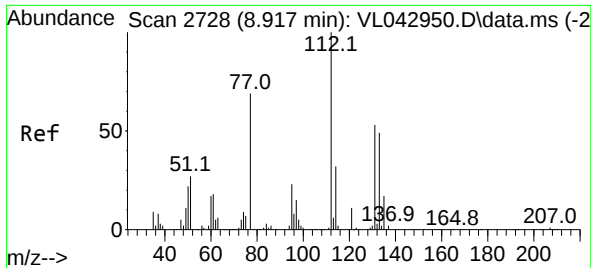
Tgt Ion:117 Resp: 387422
Ion Ratio Lower Upper
117 100
82 61.0 52.8 79.2
119 31.8 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.134 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:131 Resp: 2489
Ion Ratio Lower Upper
131 100
133 116.4 76.6 114.8#
119 4945.3 49.9 74.9#





#57
Chlorobenzene
Concen: 0.111 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

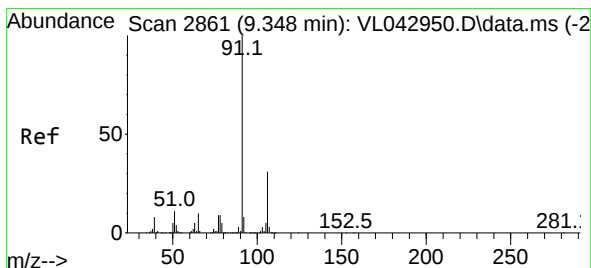
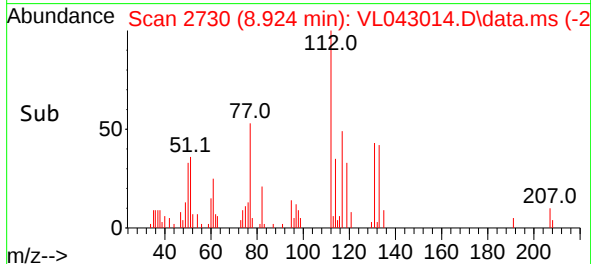
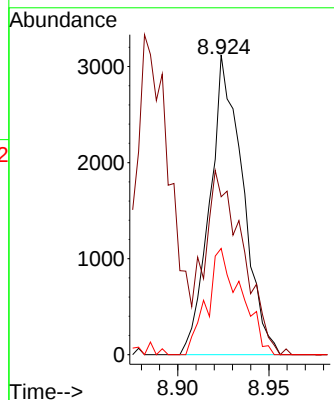
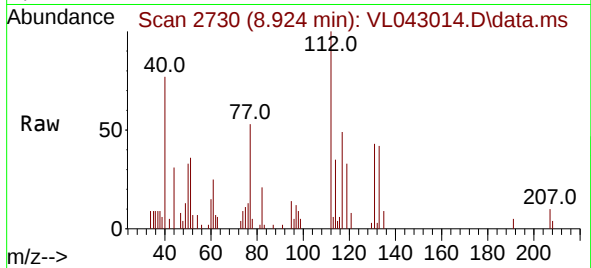
Instrument :

MSVOA_L

ClientSampleId :

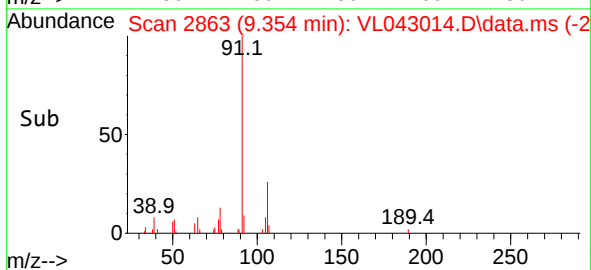
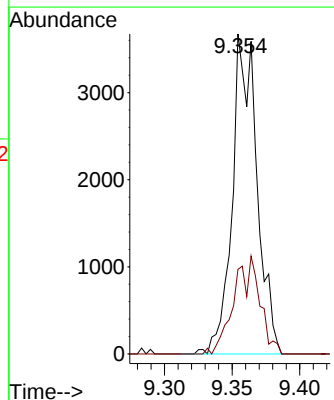
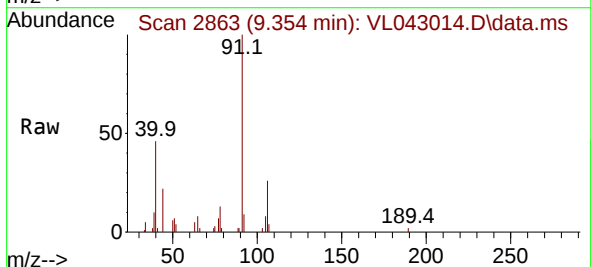
MDL-AIR-03-QT3-2025

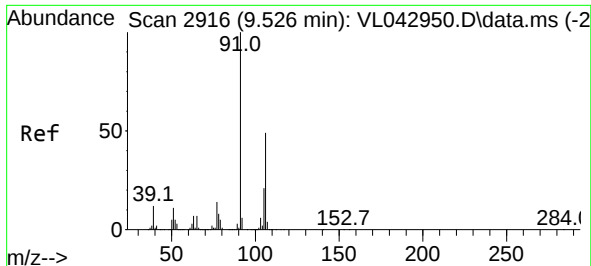
Tgt Ion:112 Resp: 3912
Ion Ratio Lower Upper
112 100
77 52.7 55.7 83.5#
114 35.4 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.073 ppbv m
RT: 9.354 min Scan# 2863
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion: 91 Resp: 4661
Ion Ratio Lower Upper
91 100
106 26.4 24.6 37.0





#59

m/p-Xylene

Concen: 0.143 ppbv m

RT: 9.555 min Scan# 2916

Delta R.T. 0.029 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

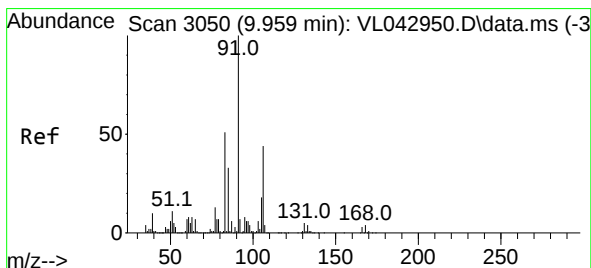
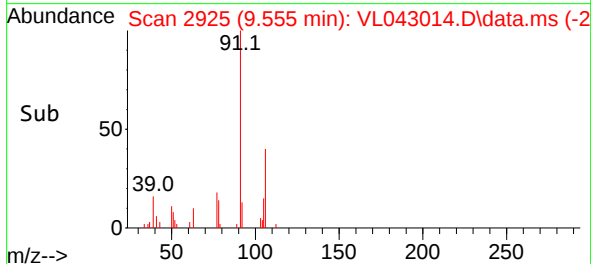
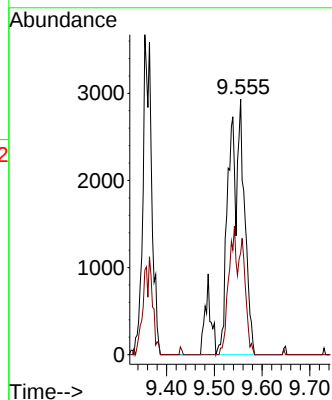
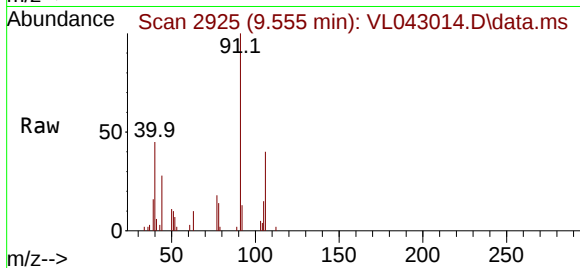
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 7178

Ion Ratio Lower Upper

91 100

106 42.5 0.0 0.0#



#60

o-Xylene

Concen: 0.069 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.010 min

Lab File: VL043014.D

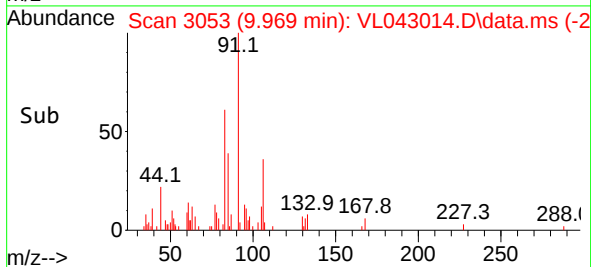
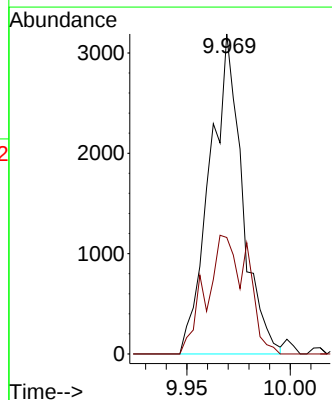
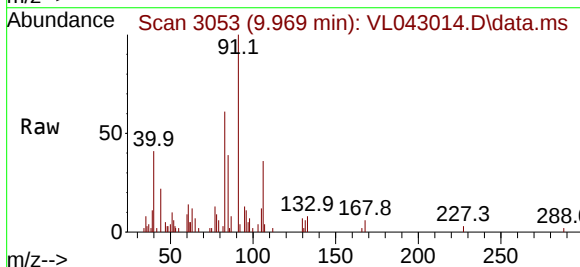
Acq: 24 Sep 2025 17:59

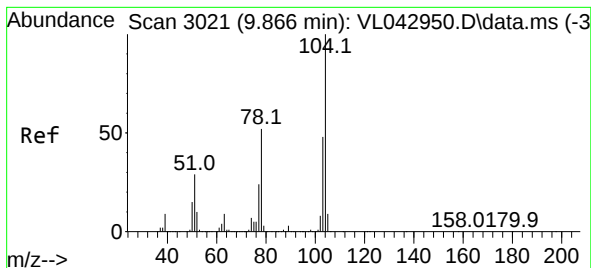
Tgt Ion: 91 Resp: 3483

Ion Ratio Lower Upper

91 100

106 46.9 22.4 67.0





#61

Styrene

Concen: 0.057 ppbv

RT: 9.879 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

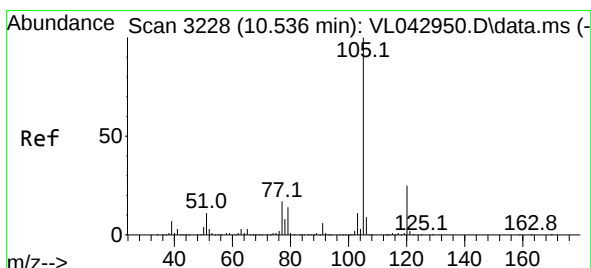
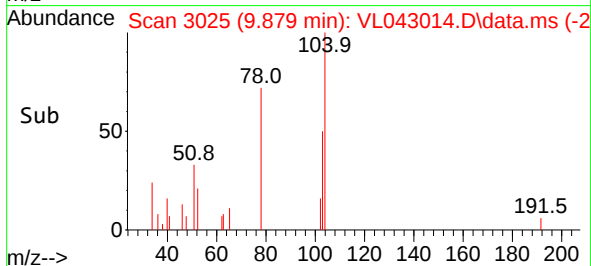
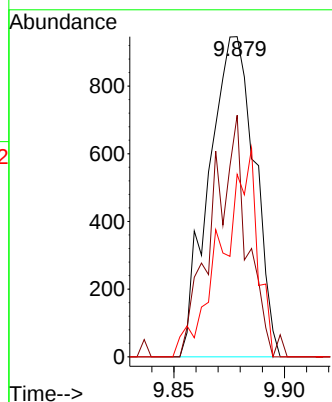
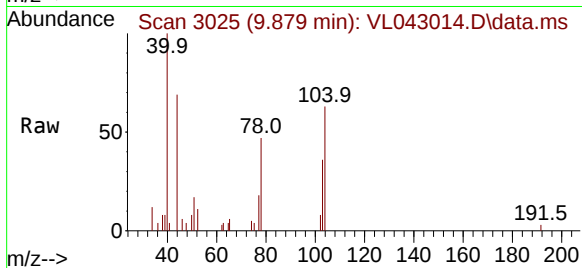
Tgt Ion:104 Resp: 1357

Ion Ratio Lower Upper

104 100

78 58.7 39.9 59.9

103 50.8 36.9 55.3



#62

Isopropylbenzene

Concen: 0.080 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL043014.D

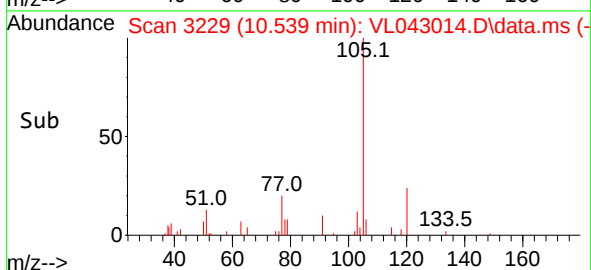
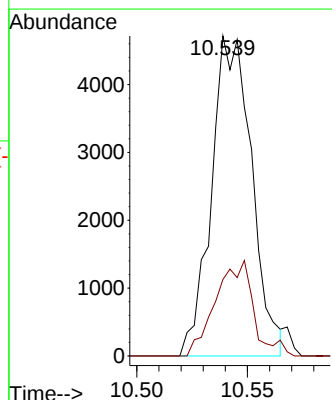
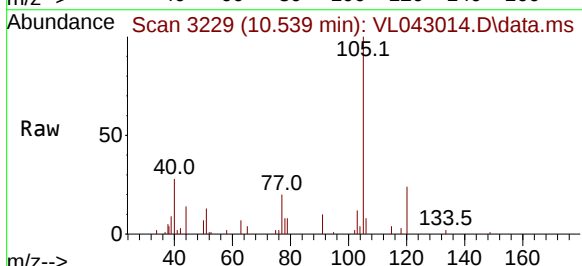
Acq: 24 Sep 2025 17:59

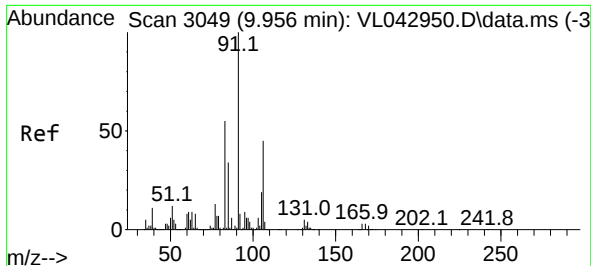
Tgt Ion:105 Resp: 5958

Ion Ratio Lower Upper

105 100

120 28.1 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.103 ppbv

RT: 9.969 min Scan# 3049

Delta R.T. 0.013 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

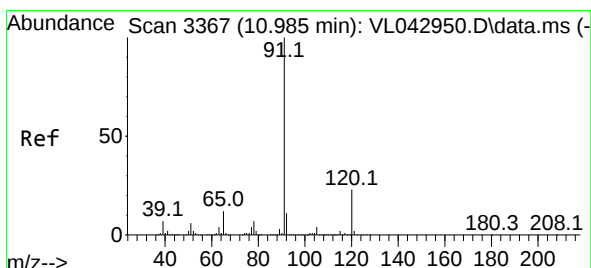
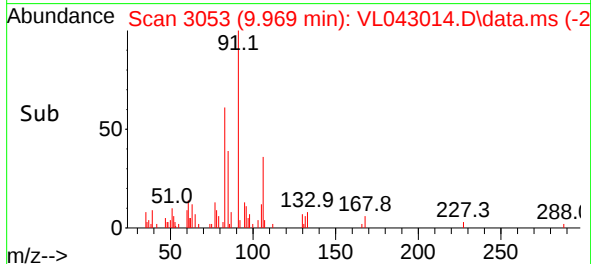
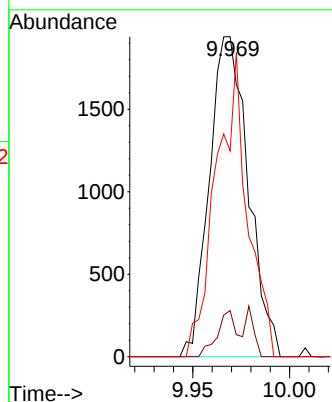
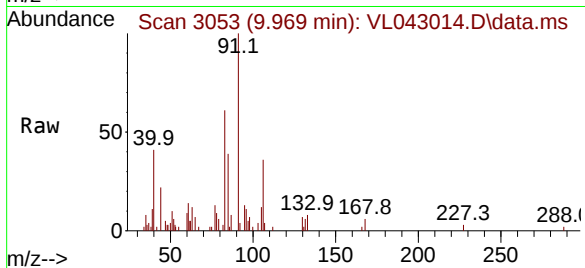
Tgt Ion: 83 Resp: 2721

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

85 76.1 32.2 96.6



#64

n-propylbenzene

Concen: 0.056 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.007 min

Lab File: VL043014.D

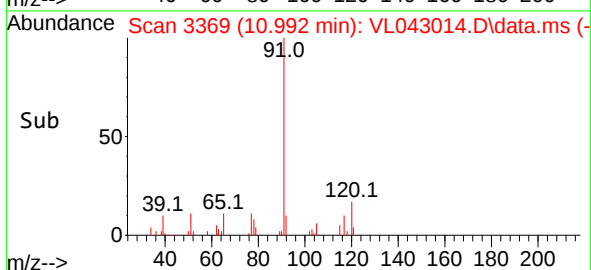
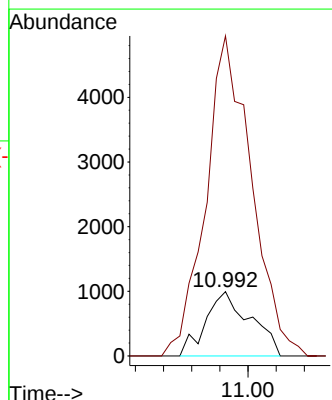
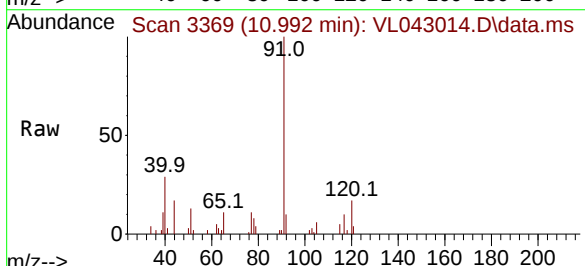
Acq: 24 Sep 2025 17:59

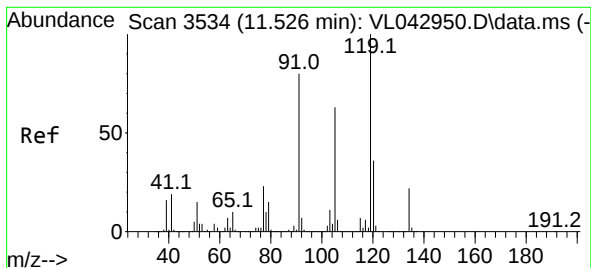
Tgt Ion: 120 Resp: 1099

Ion Ratio Lower Upper

120 100

91 507.8 364.9 547.3





#65

tert-Butylbenzene

Concen: 0.060 ppbv

RT: 11.533 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

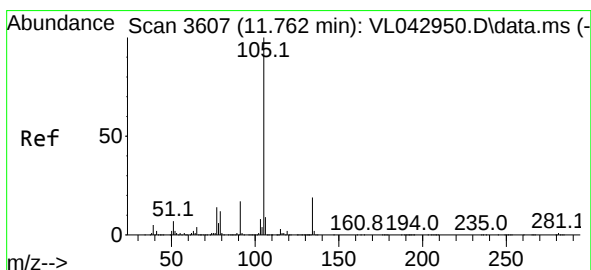
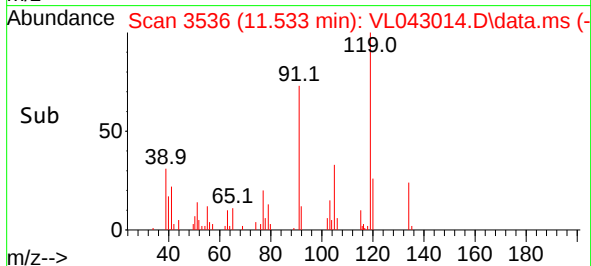
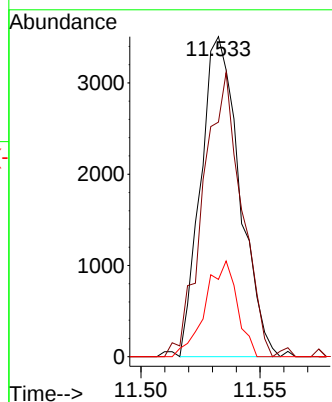
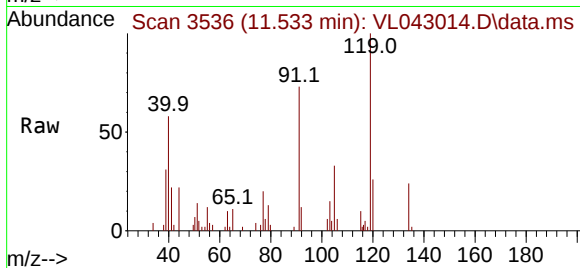
Tgt Ion:119 Resp: 3976

Ion Ratio Lower Upper

119 100

91 89.0 63.1 94.7

134 24.6 17.0 25.6



#67

sec-Butylbenzene

Concen: 0.064 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.007 min

Lab File: VL043014.D

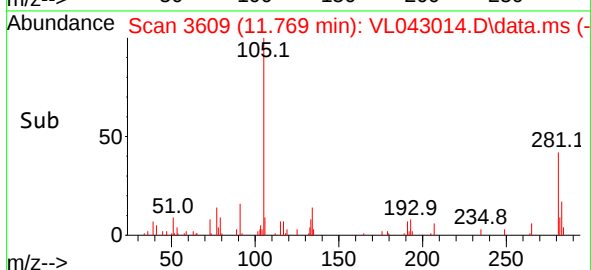
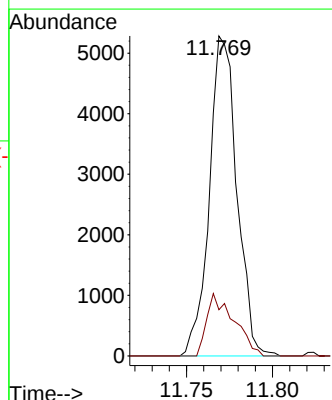
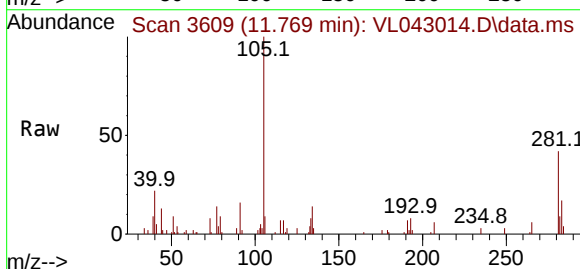
Acq: 24 Sep 2025 17:59

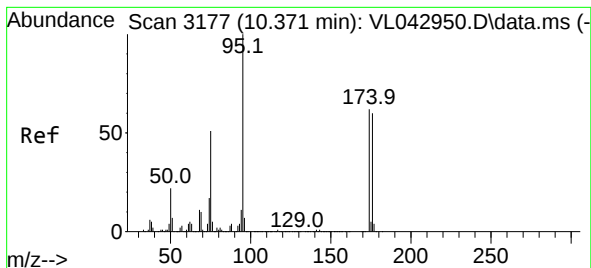
Tgt Ion:105 Resp: 5889

Ion Ratio Lower Upper

105 100

134 19.3 15.7 23.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.491 ppbv

RT: 10.380 min Scan# 3177

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

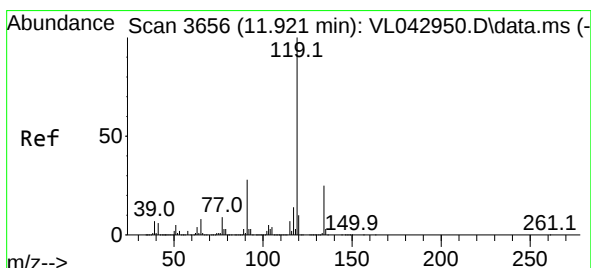
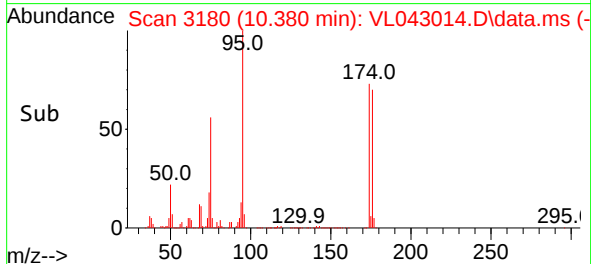
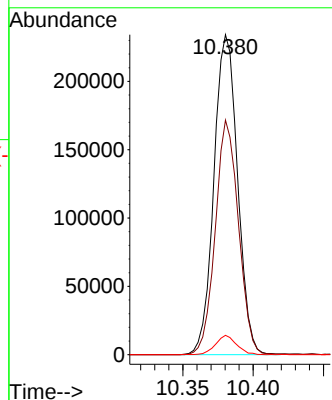
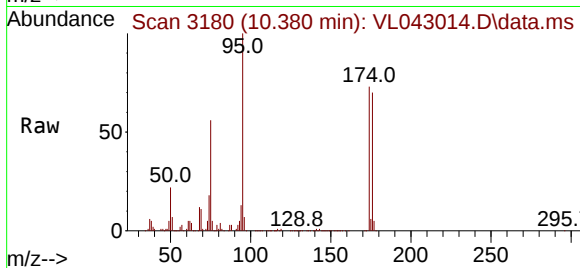
Tgt Ion: 95 Resp: 274470

Ion Ratio Lower Upper

95 100

174 72.2 51.4 77.2

175 5.4 4.0 6.0



#69

p-Isopropyltoluene

Concen: 0.052 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

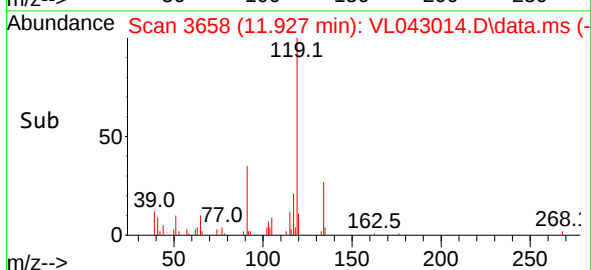
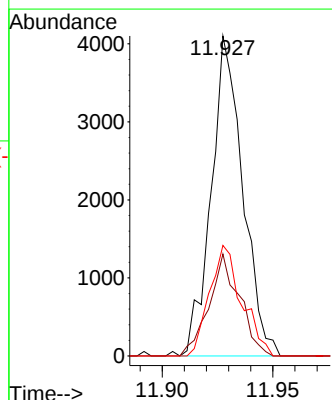
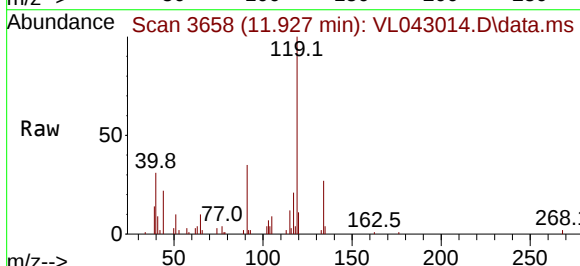
Tgt Ion: 119 Resp: 4065

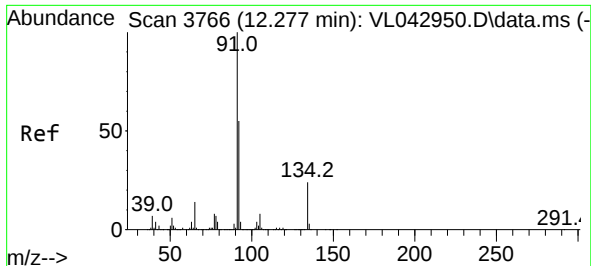
Ion Ratio Lower Upper

119 100

134 30.8 21.0 31.4

91 35.3 22.3 33.5#

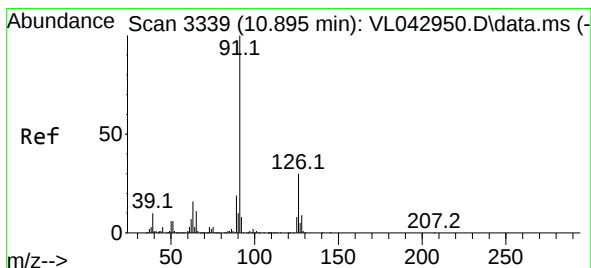
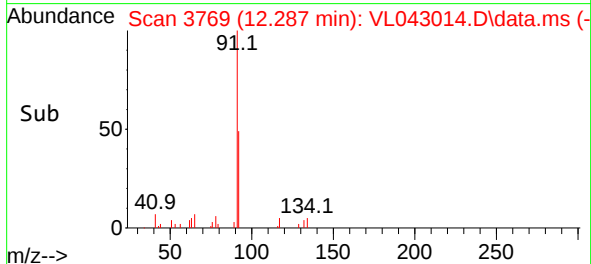
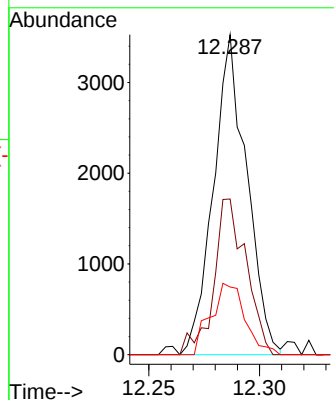
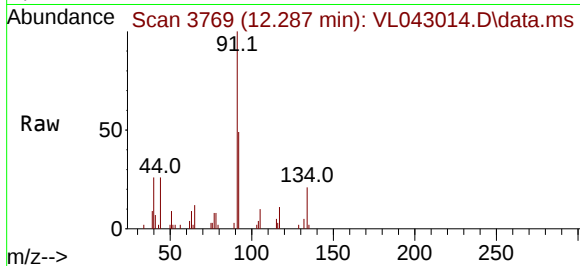




#70
n-Butylbenzene
Concen: 0.048 ppbv
RT: 12.287 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

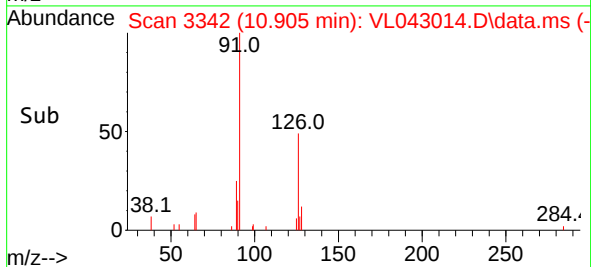
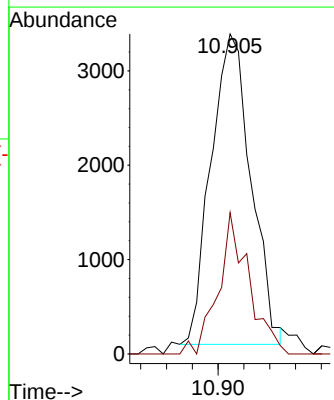
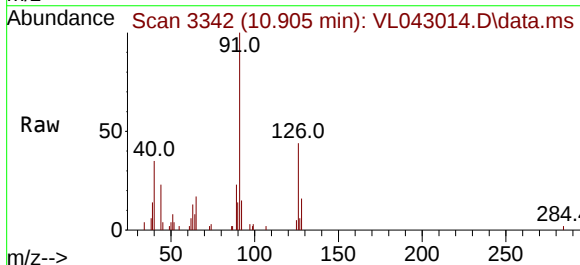
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

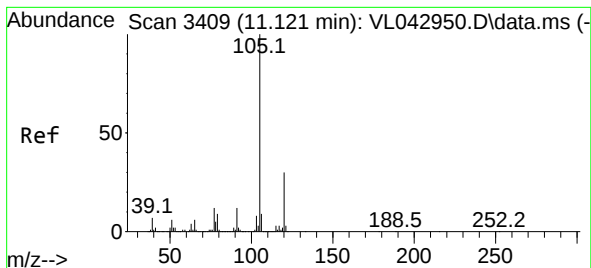
Tgt Ion:	91	Resp:	3692
Ion	Ratio	Lower	Upper
91	100		
92	47.0	44.0	66.0
134	22.9	19.4	29.2



#71
2-Chlorotoluene
Concen: 0.063 ppbv
RT: 10.905 min Scan# 3342
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:	91	Resp:	3554
Ion	Ratio	Lower	Upper
91	100		
126	34.7	12.3	49.3





#72

4-Ethyltoluene

Concen: 0.060 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.010 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 3774

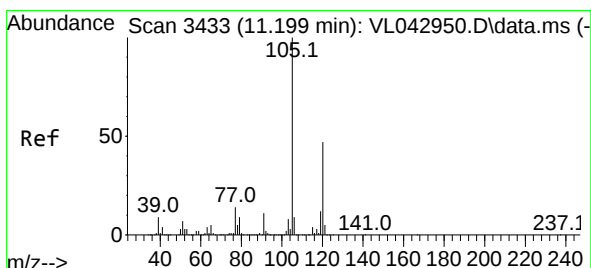
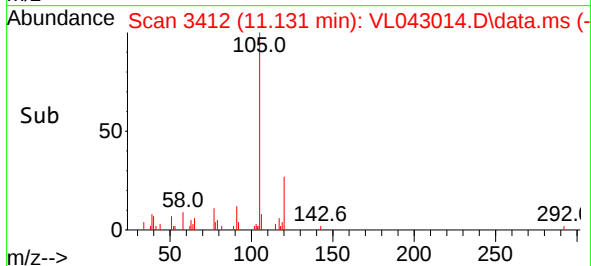
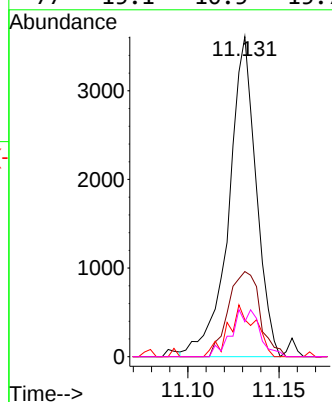
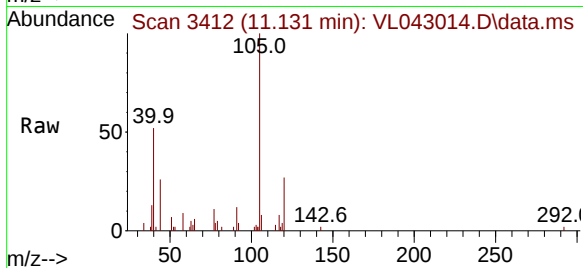
Ion Ratio Lower Upper

105 100

120 30.5 24.2 36.2

91 15.9 10.0 15.0#

77 15.1 10.5 15.7



#73

1,3,5-Trimethylbenzene

Concen: 0.059 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.007 min

Lab File: VL043014.D

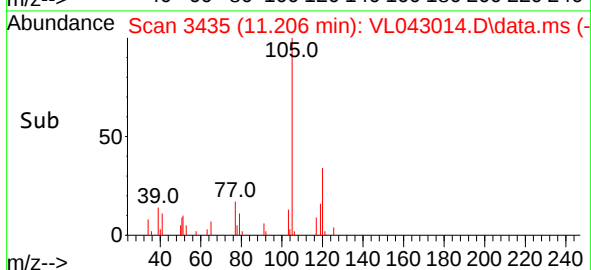
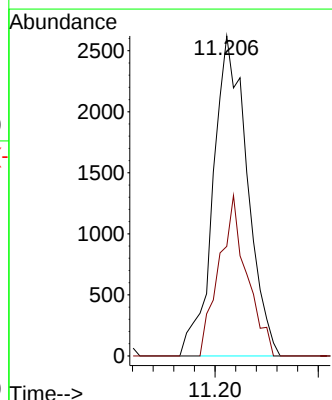
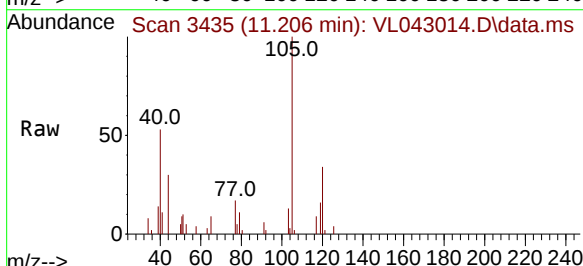
Acq: 24 Sep 2025 17:59

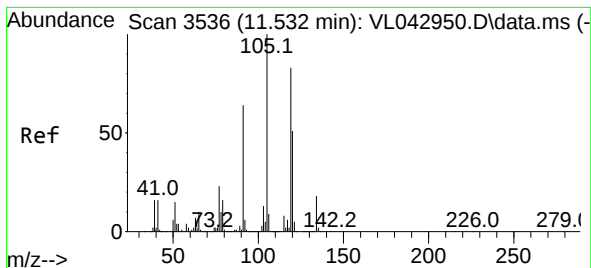
Tgt Ion:105 Resp: 2997

Ion Ratio Lower Upper

105 100

120 34.3 38.0 57.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.048 ppbv

RT: 11.539 min Scan# 3536

Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

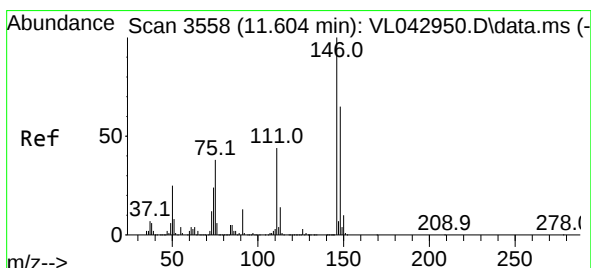
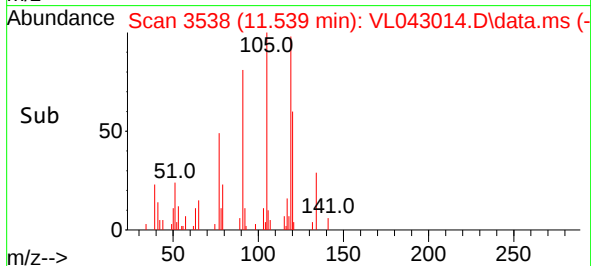
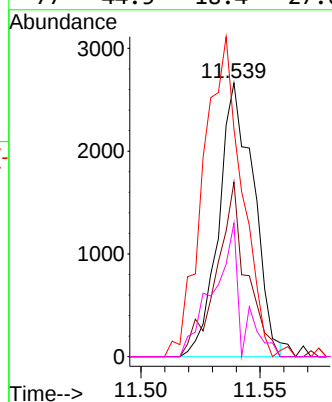
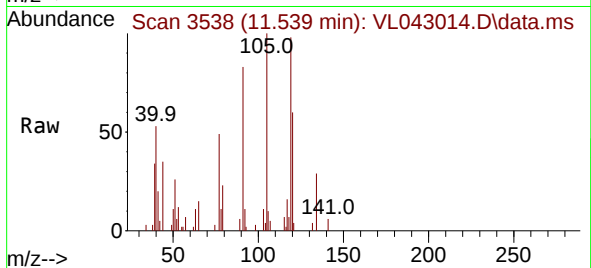
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	105	Resp:	2708
Ion	Ratio	Lower	Upper
105	100		
120	58.1	40.9	61.3
91	73.7	51.2	76.8
77	44.5	18.4	27.6



#75

1,3-Dichlorobenzene

Concen: 0.082 ppbv

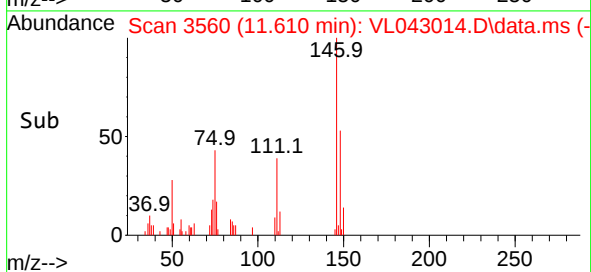
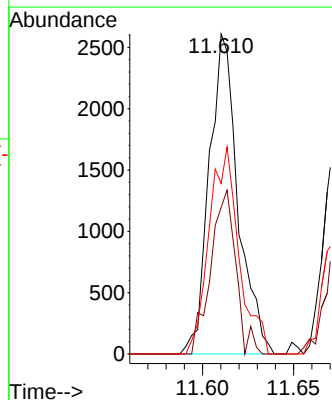
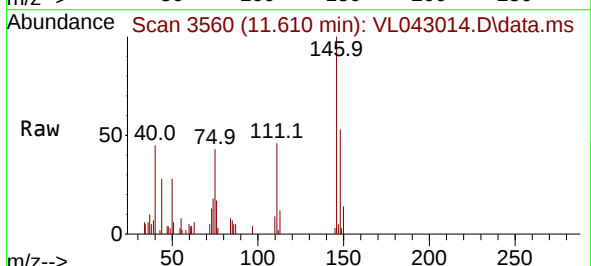
RT: 11.610 min Scan# 3560

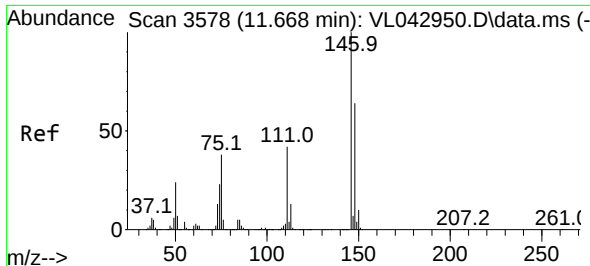
Delta R.T. 0.007 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:	146	Resp:	2870
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.3	66.9
148	67.0	31.9	95.5

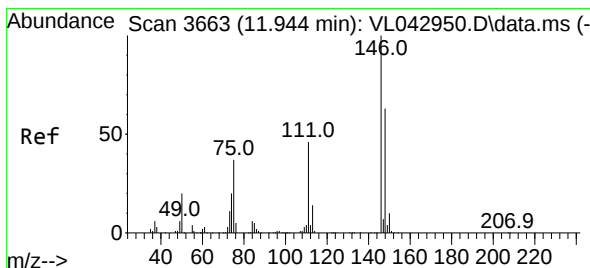
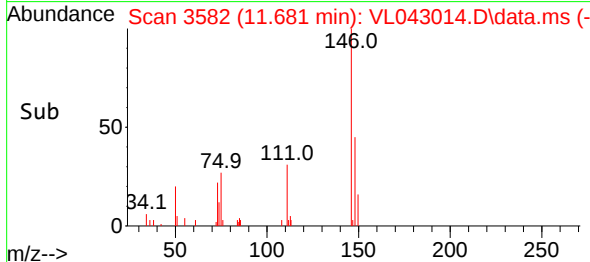
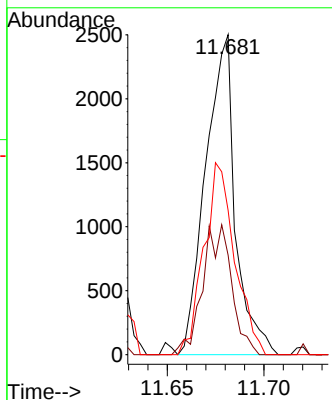
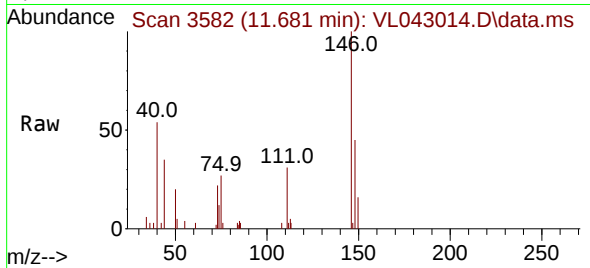




#76
1,4-Dichlorobenzene
Concen: 0.077 ppbv
RT: 11.681 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

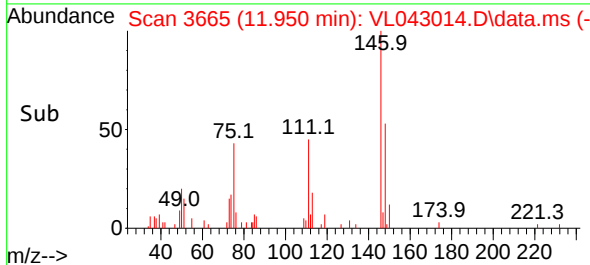
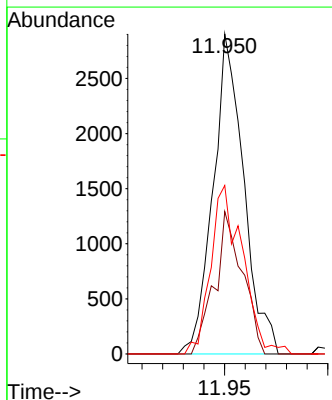
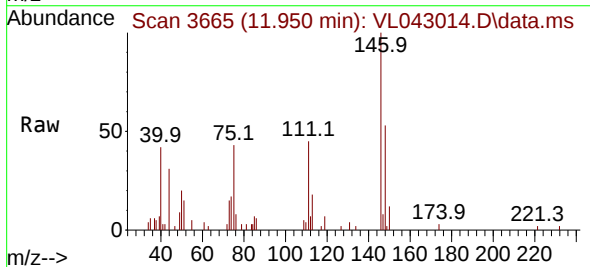
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

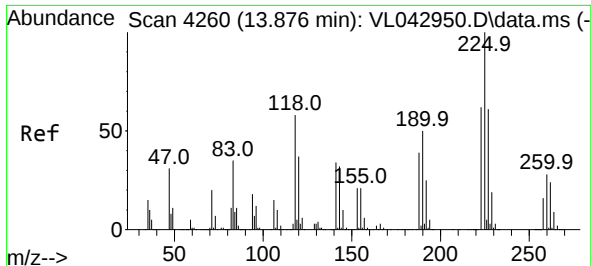
Tgt Ion:146	Resp:	2665
Ion Ratio	Lower	Upper
146	100	
111	39.8	21.5 64.5
148	62.4	31.9 95.5



#77
1,2-Dichlorobenzene
Concen: 0.090 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:146	Resp:	2997
Ion Ratio	Lower	Upper
146	100	
111	40.4	23.1 69.3
148	54.8	32.0 96.0

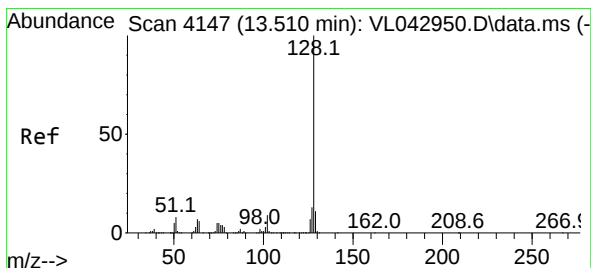
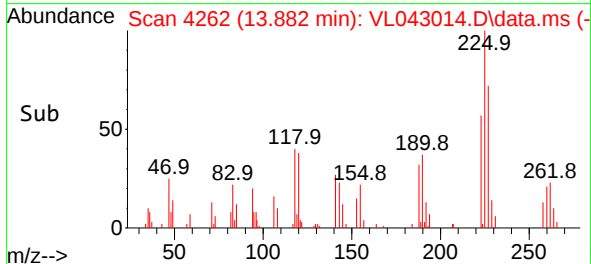
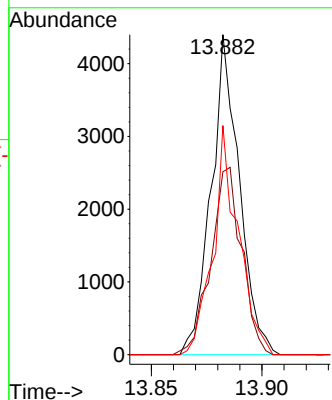
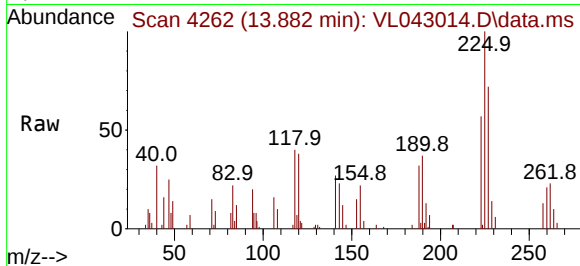




#78
Hexachloro-1,3-Butadiene
Concen: 0.150 ppbv
RT: 13.882 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

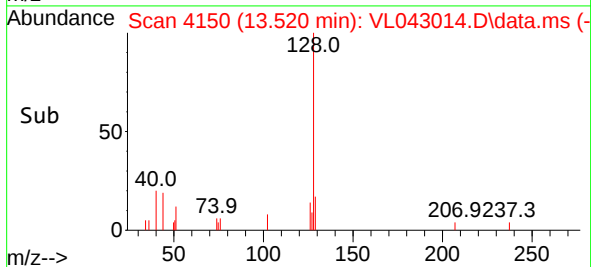
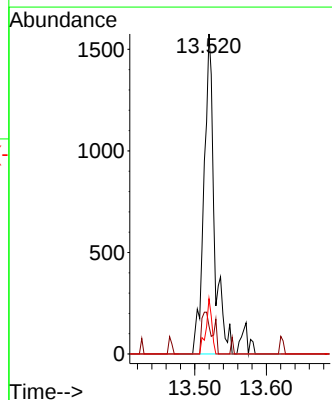
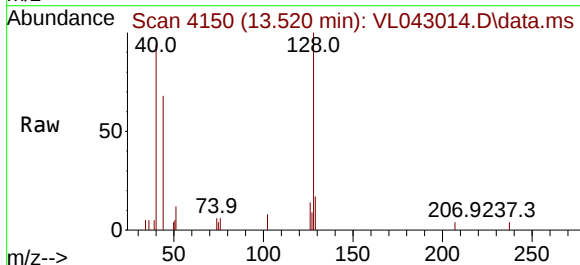
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

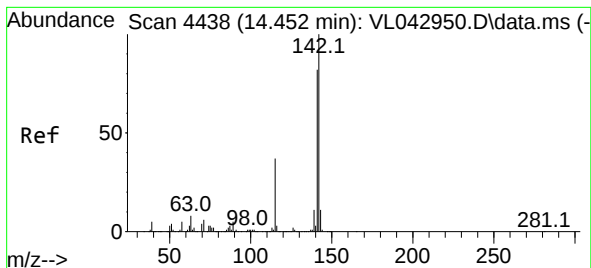
Tgt Ion:225 Resp: 3895
Ion Ratio Lower Upper
225 100
223 64.2 50.1 75.1
227 64.1 50.4 75.6



#79
Naphthalene
Concen: 0.034 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.010 min
Lab File: VL043014.D
Acq: 24 Sep 2025 17:59

Tgt Ion:128 Resp: 1702
Ion Ratio Lower Upper
128 100
127 8.8 10.6 15.8#
129 17.3 9.0 13.6#





#80

Naphthalene, 2-methyl-

Concen: 0.044 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.019 min

Lab File: VL043014.D

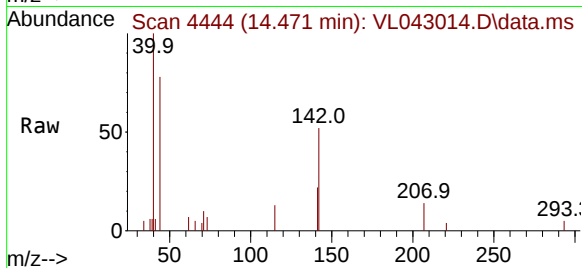
Acq: 24 Sep 2025 17:59

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025



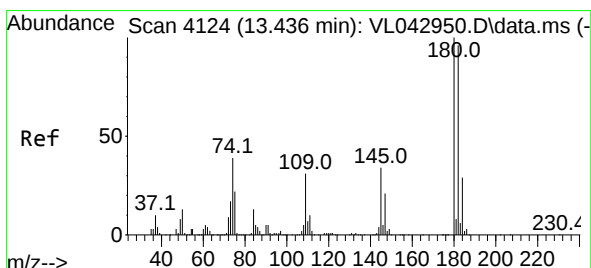
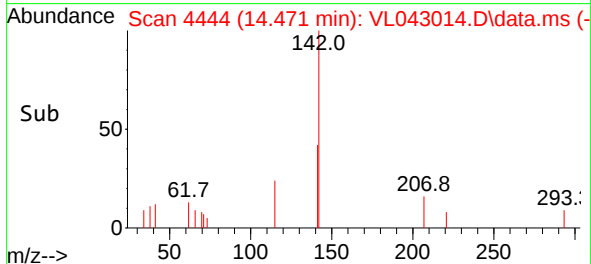
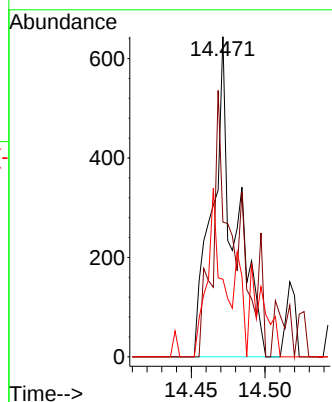
Tgt Ion:142 Resp: 682

Ion Ratio Lower Upper

142 100

141 97.1 65.1 97.7

115 63.8 28.9 43.3#



#81

1,2,4-Trichlorobenzene

Concen: 0.035 ppbv m

RT: 13.452 min Scan# 4129

Delta R.T. 0.016 min

Lab File: VL043014.D

Acq: 24 Sep 2025 17:59

Tgt Ion:180 Resp: 929

Ion Ratio Lower Upper

180 100

182 0.0 75.7 113.5#

184 0.0 23.9 35.9#

