

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043015.D
 Acq On : 24 Sep 2025 19:49
 Operator : SY/MD
 Sample : Q2893-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 25 03:25:53 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	148632	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	429273	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	374768	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	272338	9.735	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	907	0.045	ppbv	91
3) Chlorodifluoromethane	1.479	51	1169	0.047	ppbv	94
4) Chloromethane	1.534	50	619	0.068	ppbv	90
5) Vinyl Chloride	1.586	62	359	0.044	ppbv	96
6) Bromomethane	1.670	94	280	0.097	ppbv #	60
7) Chloroethane	1.709	64	217	0.068	ppbv #	79
8) Dichlorotetrafluoroethane	1.557	85	634	0.037	ppbv #	72
9) Propene	1.486	41	548	0.051	ppbv #	66
10) Heptane	4.978	43	93	0.003	ppbv #	29
11) Trichlorofluoromethane	2.140	101	796	0.041	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.140	101	796	0.051	ppbv #	79
13) Ethanol	1.894	45	904	0.860	ppbv #	35
14) Bromoethene	1.787	108	343	0.058	ppbv #	62
15) Acetone	1.839	43	2289	0.118	ppbv	91
16) 1,3-Butadiene	1.609	39	937	0.103	ppbv #	65
17) tert-Butyl alcohol	2.049	59	884	0.042	ppbv	99
18) 1,1-Dichloroethene	2.033	96	419	0.058	ppbv #	18
19) Isopropyl Alcohol	1.894	45	904	0.078	ppbv #	46
20) Methylene Chloride	2.062	84	2691	0.332	ppbv #	83
21) Allyl Chloride	2.101	41	777	0.058	ppbv #	93
22) trans-1,2-Dichloroethene	2.343	96	484	0.059	ppbv #	77
23) Vinyl Acetate	2.463	43	1125	0.041	ppbv #	81
24) 1,1-Dichloroethane	2.411	63	836	0.052	ppbv #	96
25) Ethyl Acetate	2.829	43	347	0.007	ppbv #	75
26) Hexane	2.826	57	863	0.039	ppbv #	72
27) Carbon Disulfide	2.149	76	813	0.041	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	312	0.027	ppbv	98
29) Chloroform	2.848	83	725	0.025	ppbv	97
30) Cyclohexane	3.865	84	253	0.014	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	756	0.036	ppbv #	68
32) 1,1,1-Trichloroethane	3.373	97	427	0.014	ppbv #	1
34) 2-Butanone	2.551	43	132	0.004	ppbv #	54
35) Carbon Tetrachloride	3.758	117	445	0.016	ppbv #	82
36) Benzene	3.658	78	572	0.014	ppbv #	78
37) 1,2-Dichloroethane	3.221	62	346	0.016	ppbv #	79
38) Trichloroethene	4.551	130	335	0.017	ppbv #	29
39) 1,2-Dichloropropane	3.959	63	103979	7.066	ppbv #	24
40) 1,4-Dioxane	4.622	88	90	0.013	ppbv #	5
41) Tetrahydrofuran	3.078	42	424	0.025	ppbv #	92
42) Bromodichloromethane	4.486	83	852	0.029	ppbv #	45
43) Methyl Methacrylate	4.884	69	110	0.007	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	650	0.009	ppbv #	1
45) t-1,3-Dichloropropene	6.418	75	192	0.011	ppbv #	81

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 MDL-AIR-03-QT3-2025

Quant Time: Sep 25 03:25:53 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

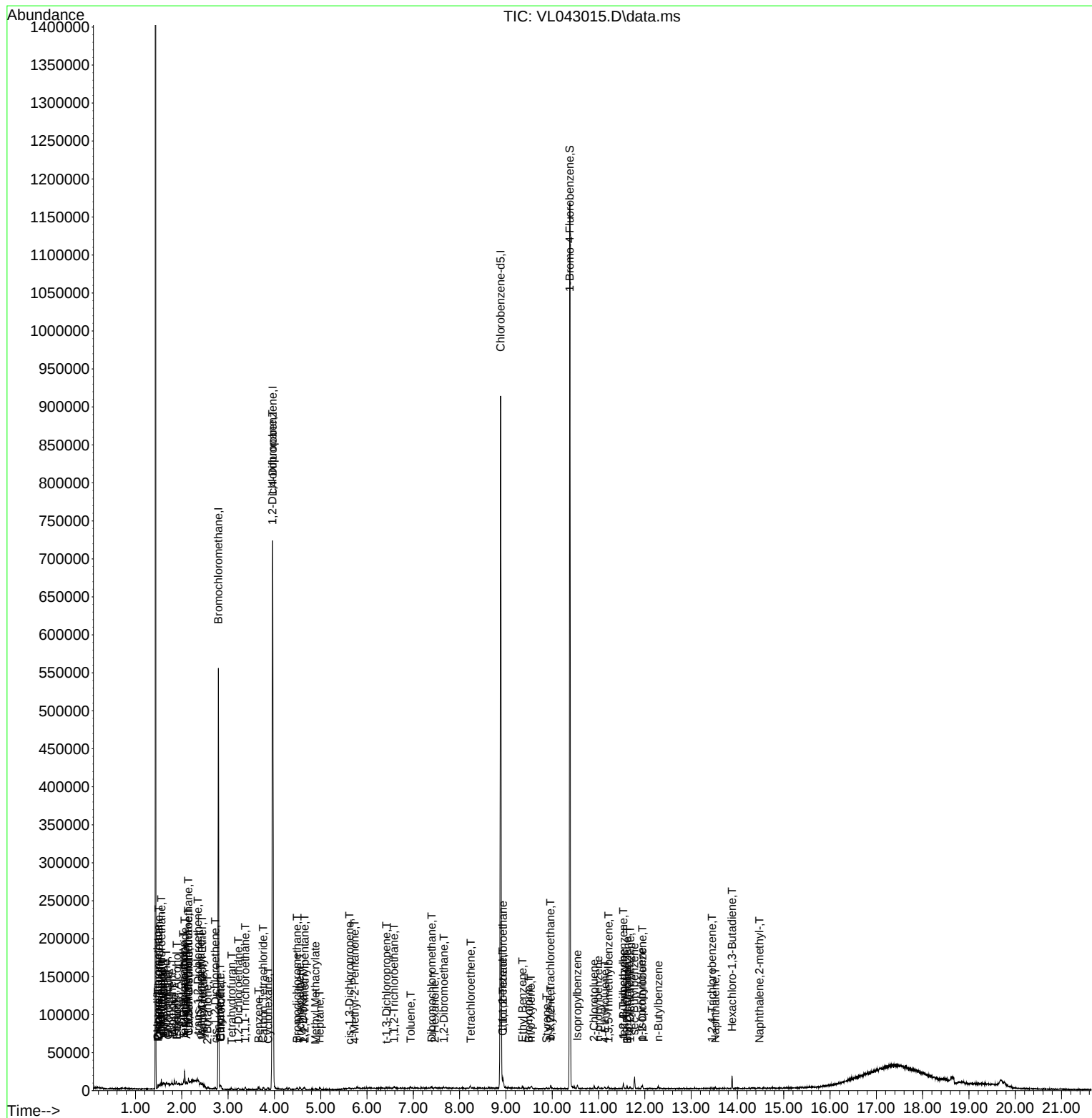
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	114	0.005	ppbv	90
47) 1,1,2-Trichloroethane	6.583	97	119	0.008	ppbv #	28
48) Dibromochloromethane	7.396	129	576	0.023	ppbv	67
49) Bromoform	9.490	173	793	0.037	ppbv	89
50) 4-Methyl-2-Pentanone	5.735	43	14	0.000	ppbv #	39
51) 2-Hexanone	7.461	43	532	0.017	ppbv #	84
52) Tetrachloroethene	8.241	164	137	0.009	ppbv #	52
53) Toluene	6.943	91	412	0.009	ppbv #	1
54) 1,2-Dibromoethane	7.661	107	335	0.015	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.933	131	469	0.026	ppbv #	1
57) Chlorobenzene	8.930	112	798	0.023	ppbv #	55
58) Ethyl Benzene	9.357	91	1128	0.018	ppbv #	57
59) m/p-Xylene	9.539	91	374	0.008	ppbv #	100
60) o-Xylene	9.966	91	839	0.017	ppbv	67
61) Styrene	9.875	104	160	0.007	ppbv #	1
62) Isopropylbenzene	10.542	105	1709	0.024	ppbv #	79
63) 1,1,2,2-Tetrachloroethane	9.963	83	540	0.021	ppbv #	25
64) n-propylbenzene	10.995	120	267	0.014	ppbv #	1
65) tert-Butylbenzene	11.536	119	1177	0.018	ppbv #	87
66) Benzyl Chloride	11.623	91	35	0.005	ppbv #	65
67) sec-Butylbenzene	11.772	105	1525	0.017	ppbv	98
69) p-Isopropyltoluene	11.934	119	1558	0.021	ppbv	93
70) n-Butylbenzene	12.290	91	1318	0.018	ppbv	94
71) 2-Chlorotoluene	10.904	91	1317	0.024	ppbv	89
72) 4-Ethyltoluene	11.137	105	322	0.005	ppbv #	11
73) 1,3,5-Trimethylbenzene	11.215	105	160	0.003	ppbv #	62
74) 1,2,4-Trimethylbenzene	11.536	105	929	0.017	ppbv #	70
75) 1,3-Dichlorobenzene	11.616	146	893	0.026	ppbv	98
76) 1,4-Dichlorobenzene	11.684	146	226	0.007	ppbv #	24
77) 1,2-Dichlorobenzene	11.950	146	918	0.029	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	1703	0.068	ppbv	92
79) Naphthalene	13.520	128	709	0.015	ppbv #	80
80) Naphthalene,2-methyl-	14.478	142	800	0.054	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.448	180	445	0.017	ppbv	87

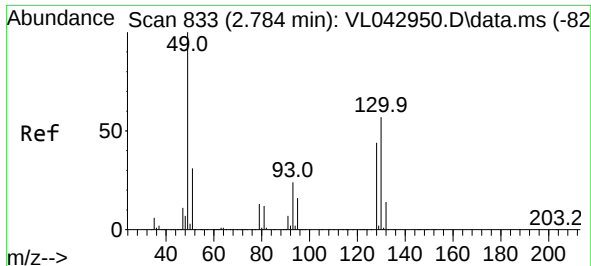
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Quant Time: Sep 25 03:25:53 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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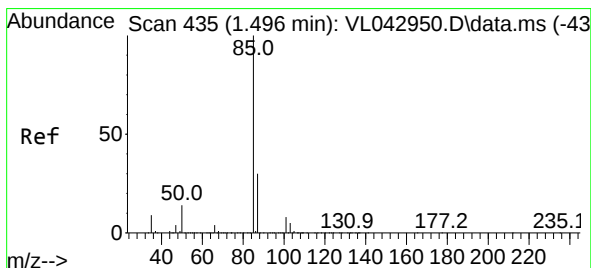
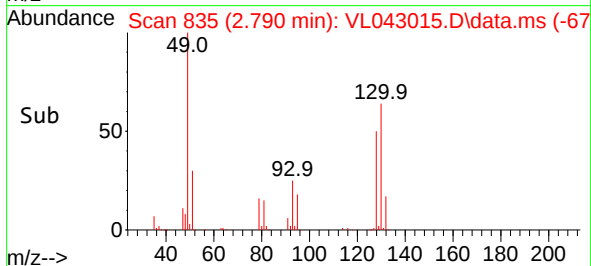
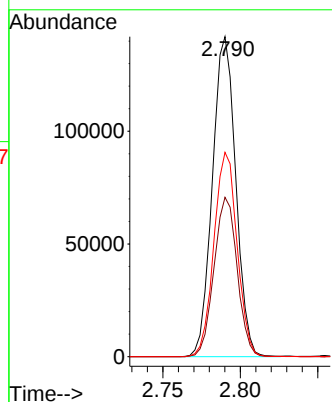
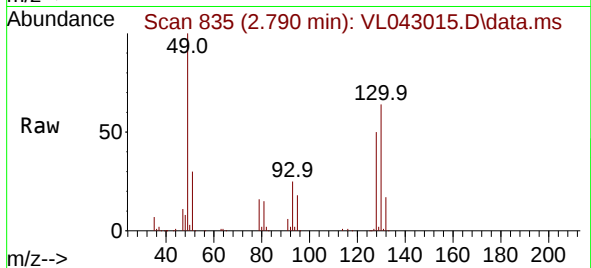




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

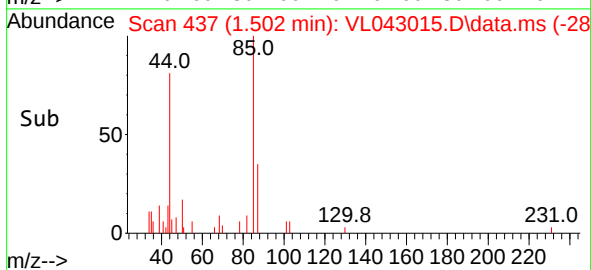
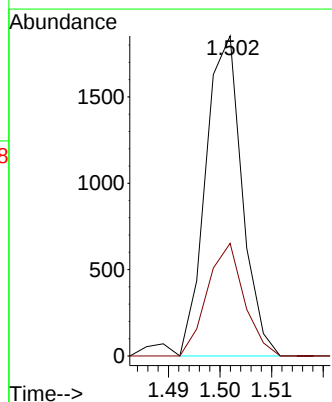
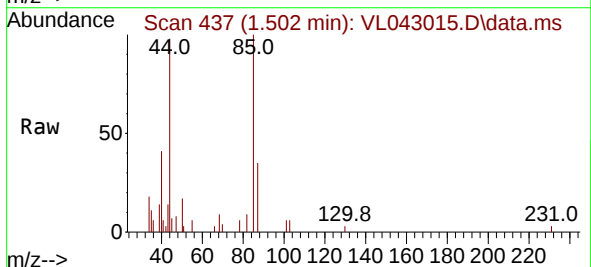
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MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

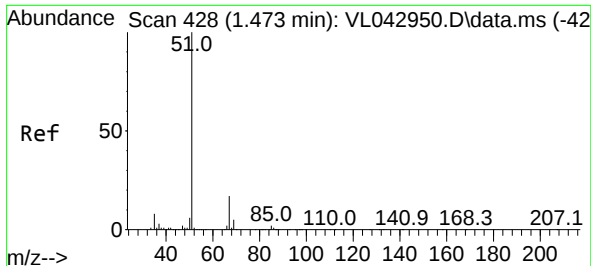
Tgt Ion: 49 Resp: 148632
Ion Ratio Lower Upper
49 100
128 49.3 22.9 68.8
130 63.3 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.045 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 85 Resp: 907
Ion Ratio Lower Upper
85 100
87 35.2 24.3 36.5

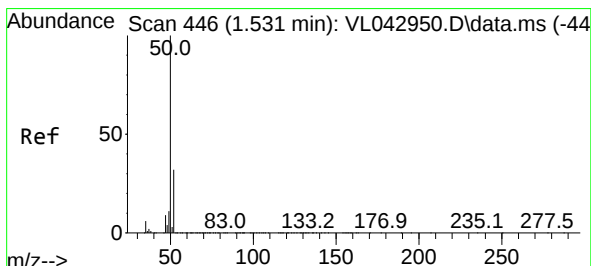
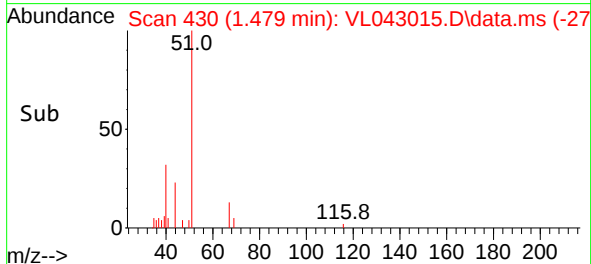
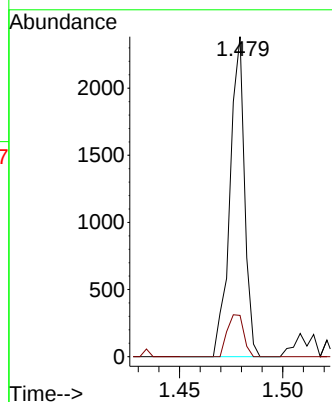
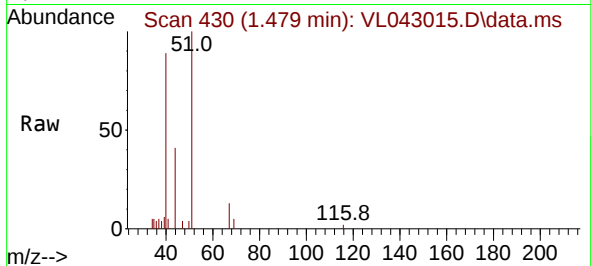




#3
Chlorodifluoromethane
Concen: 0.047 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

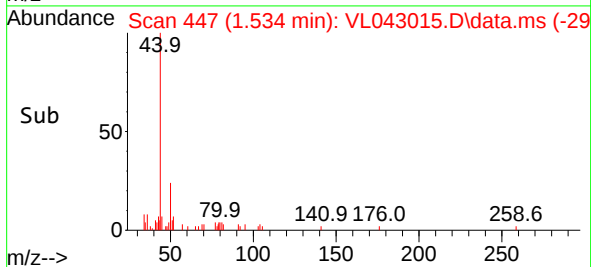
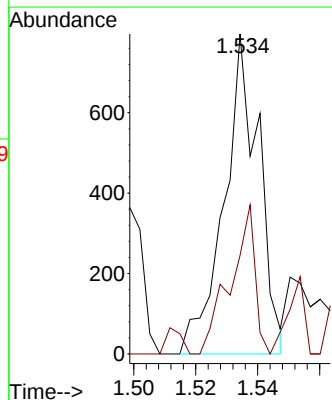
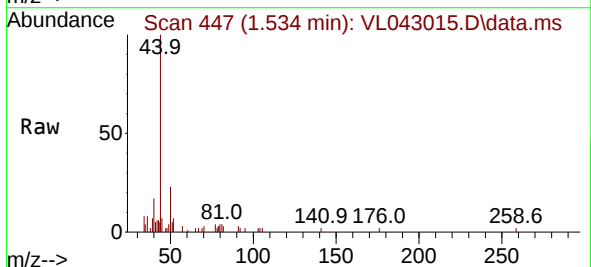
Instrument :
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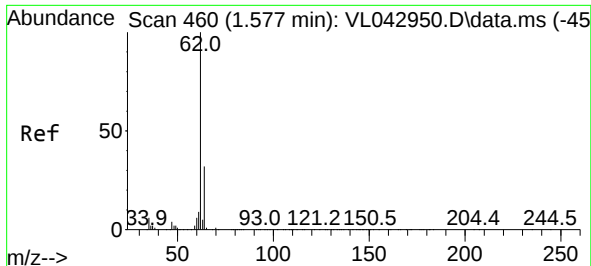
Tgt Ion: 51 Resp: 1169
Ion Ratio Lower Upper
51 100
67 14.6 13.8 20.8



#4
Chloromethane
Concen: 0.068 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 26.6 25.9 38.9

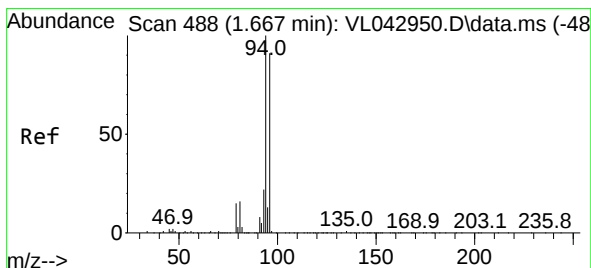
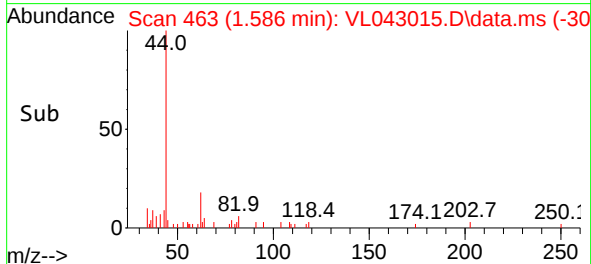
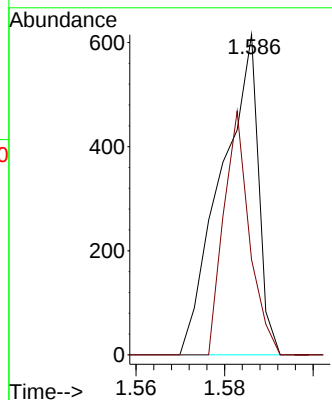
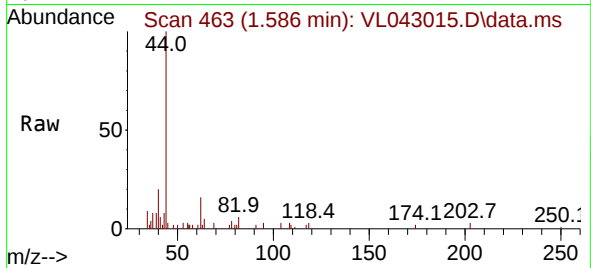




#5
 Vinyl Chloride
 Concen: 0.044 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.010 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

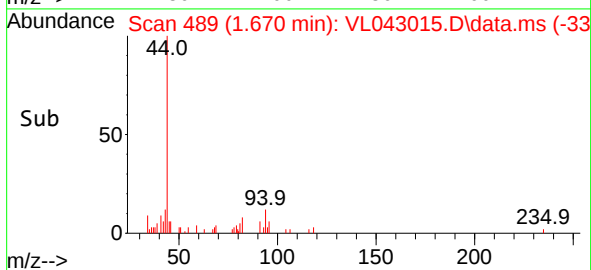
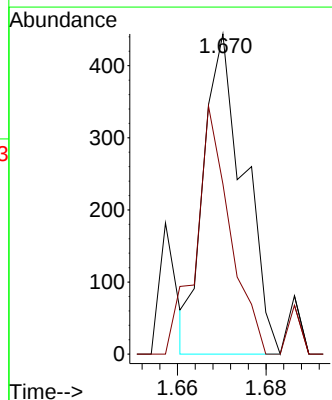
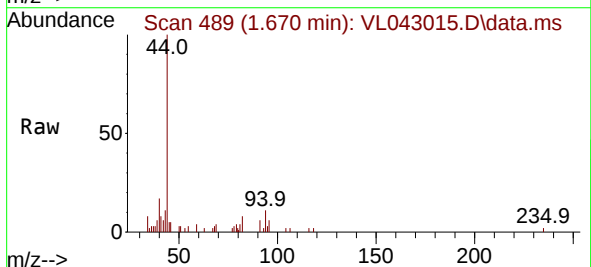
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 MDL-AIR-03-QT3-2025

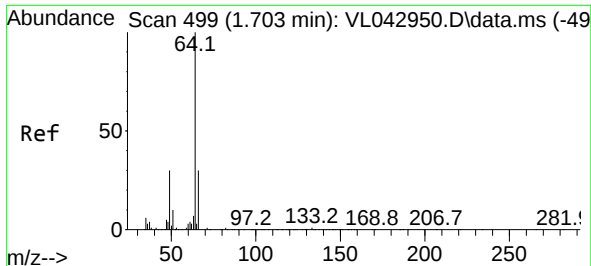
Tgt Ion: 62 Resp: 359
 Ion Ratio Lower Upper
 62 100
 64 29.8 25.4 38.2



#6
 Bromomethane
 Concen: 0.097 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion: 94 Resp: 280
 Ion Ratio Lower Upper
 94 100
 96 53.2 72.6 108.8#

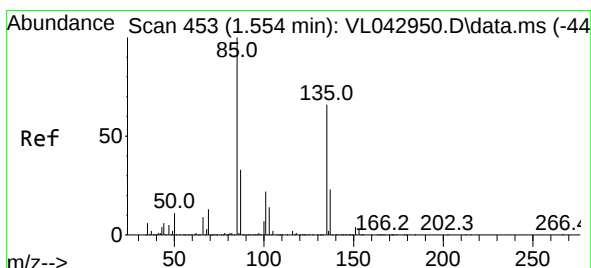
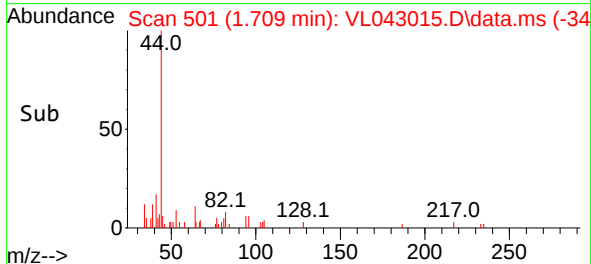
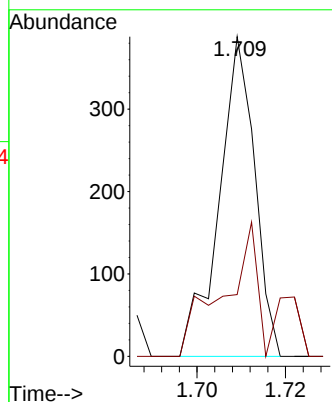
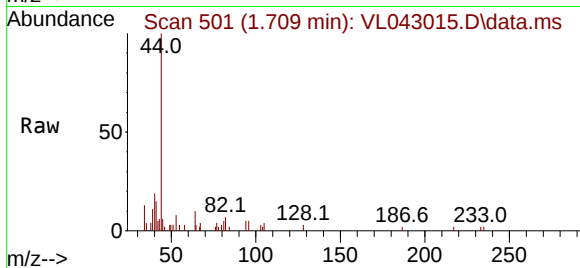




#7
Chloroethane
Concen: 0.068 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

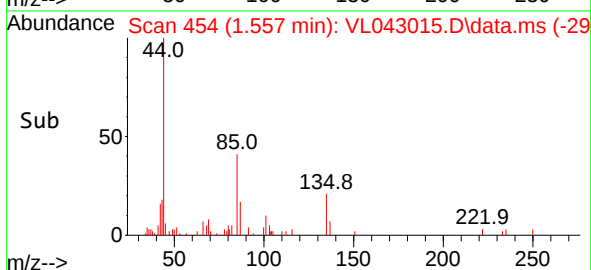
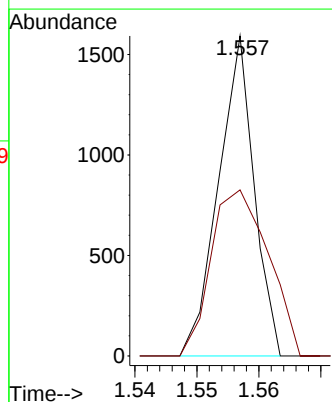
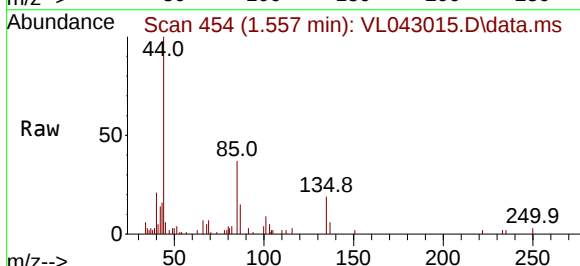
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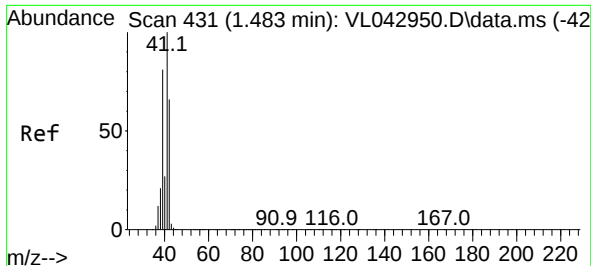
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 19.3 24.6 36.8#



#8
Dichlorotetrafluoroethane
Concen: 0.037 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 85 Resp: 634
Ion Ratio Lower Upper
85 100
135 83.8 49.7 74.5#





#9

Propene

Concen: 0.051 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

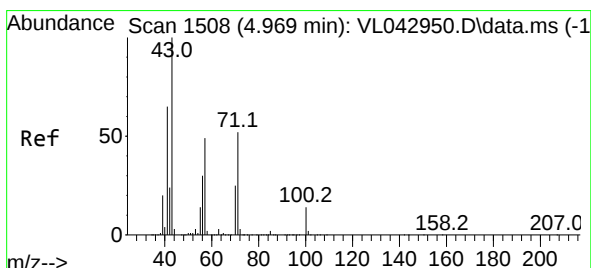
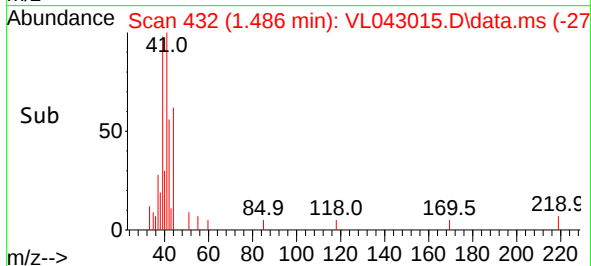
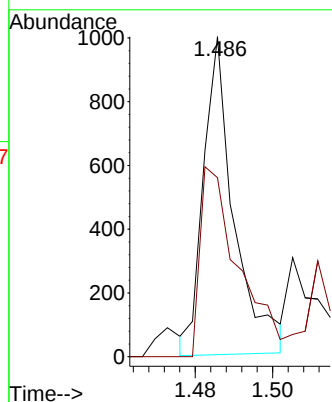
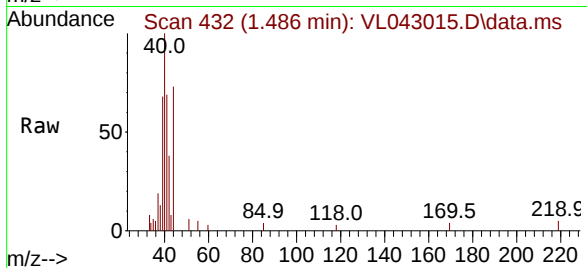
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 548

Ion Ratio Lower Upper

41 100

42 100.4 57.4 86.2#



#10

Heptane

Concen: 0.003 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.010 min

Lab File: VL043015.D

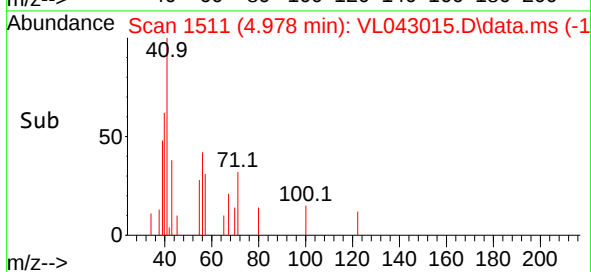
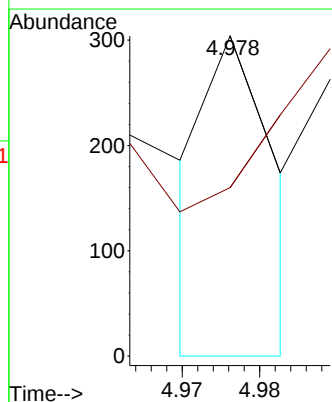
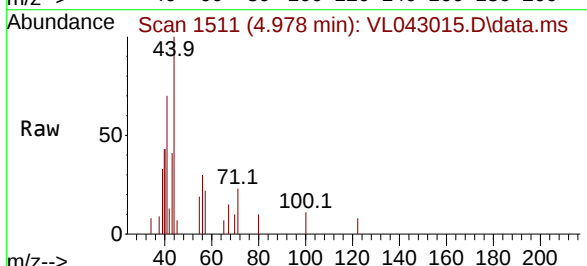
Acq: 24 Sep 2025 19:49

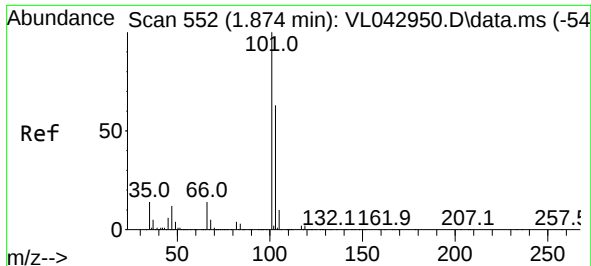
Tgt Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

57 0.0 38.6 57.8#

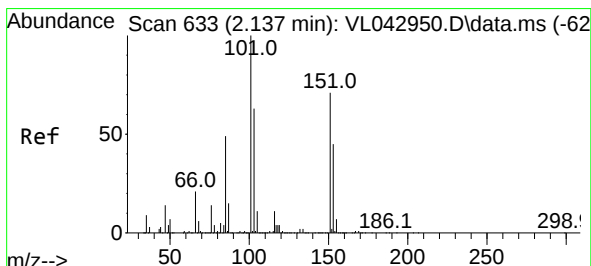
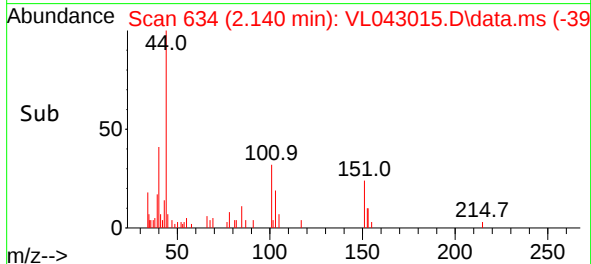
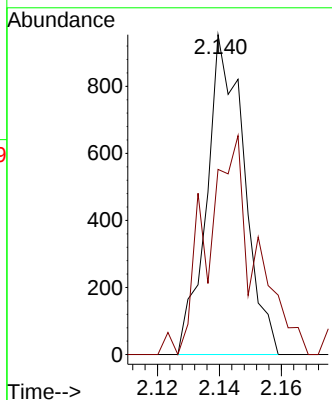
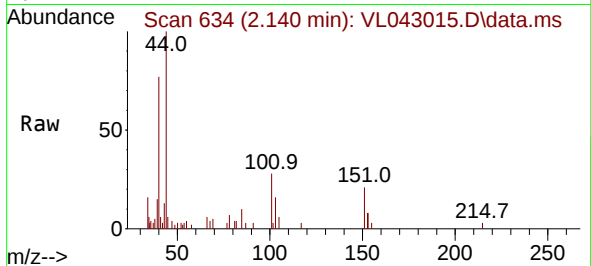




#11
 Trichlorofluoromethane
 Concen: 0.041 ppbv
 RT: 2.140 min Scan# 61
 Delta R.T. 0.265 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

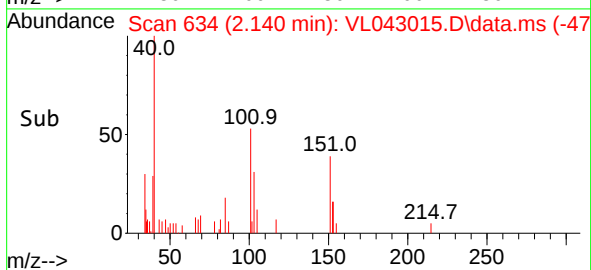
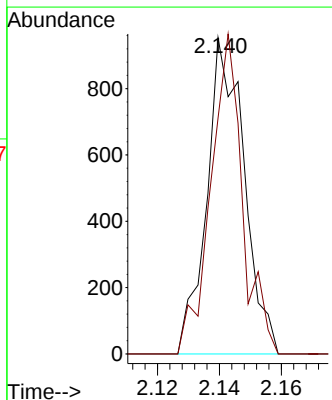
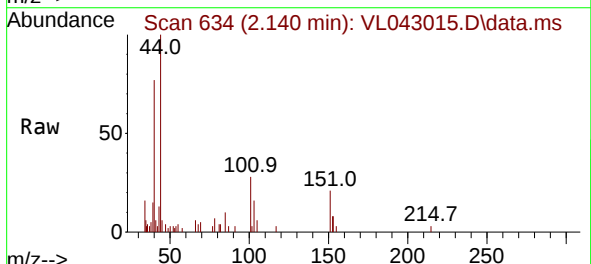
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

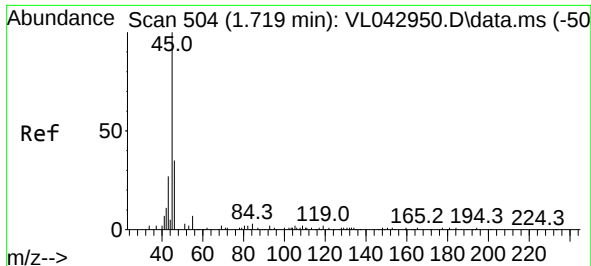
Tgt Ion:101 Resp: 796
 Ion Ratio Lower Upper
 101 100
 103 51.6 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.051 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion:101 Resp: 796
 Ion Ratio Lower Upper
 101 100
 151 86.6 55.7 83.5#

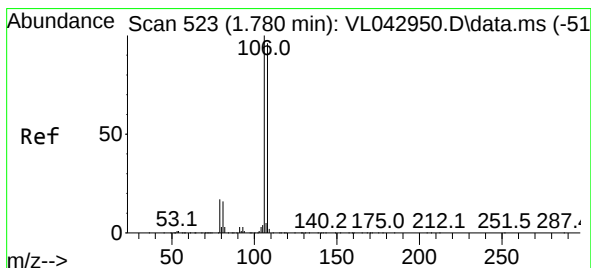
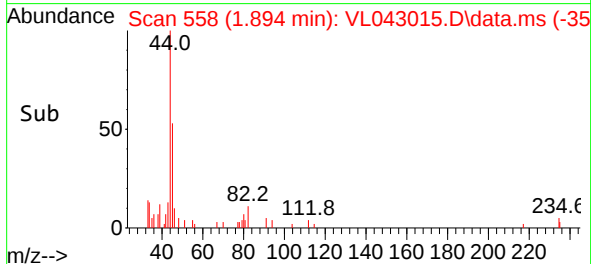
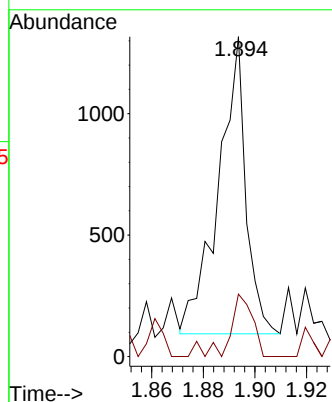
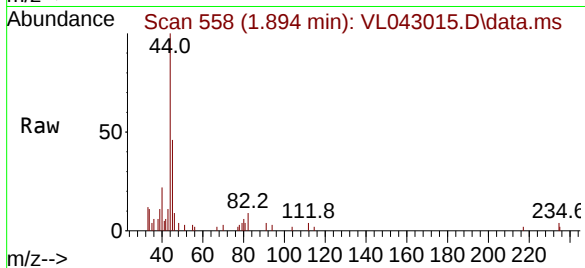




#13
 Ethanol
 Concen: 0.860 ppbv
 RT: 1.894 min Scan# 51
 Delta R.T. 0.175 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

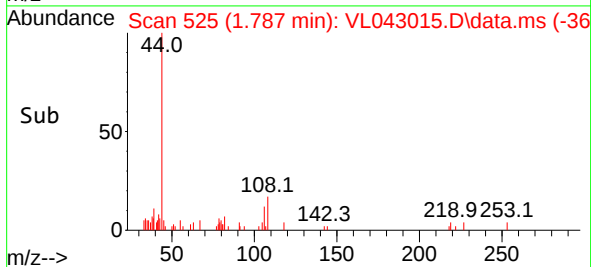
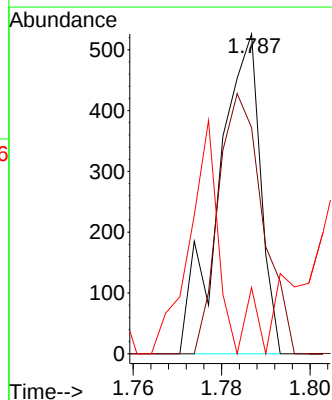
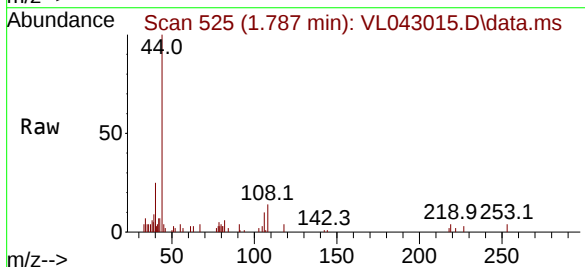
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

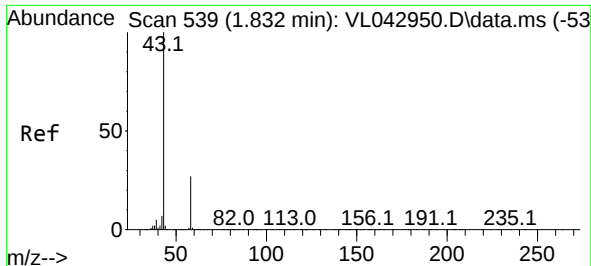
Tgt Ion: 45 Resp: 904
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.2 64.6#



#14
 Bromoethene
 Concen: 0.058 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.006 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion: 108 Resp: 343
 Ion Ratio Lower Upper
 108 100
 106 86.6 86.0 129.0
 79 80.8 14.2 21.2#





#15

Acetone

Concen: 0.118 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

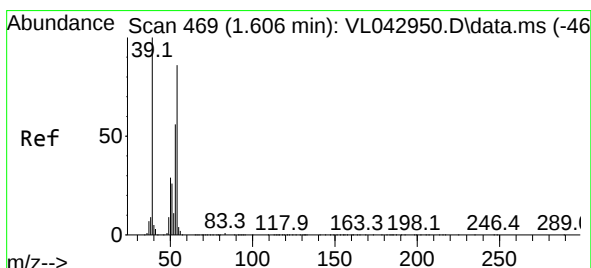
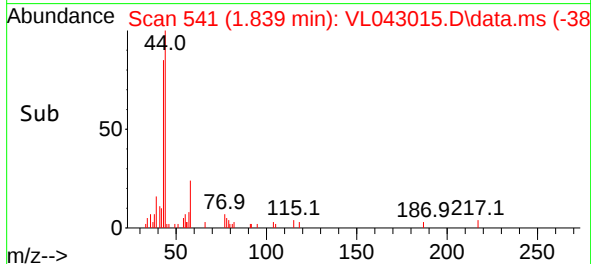
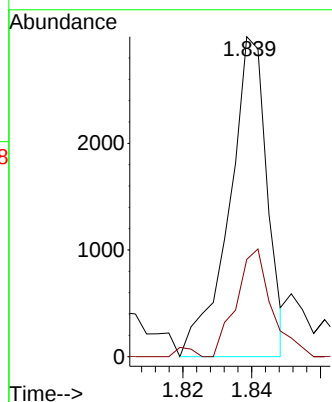
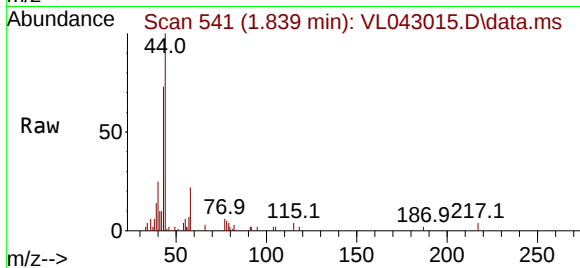
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 2289

Ion Ratio Lower Upper

43 100

58 32.7 22.3 33.5



#16

1,3-Butadiene

Concen: 0.103 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL043015.D

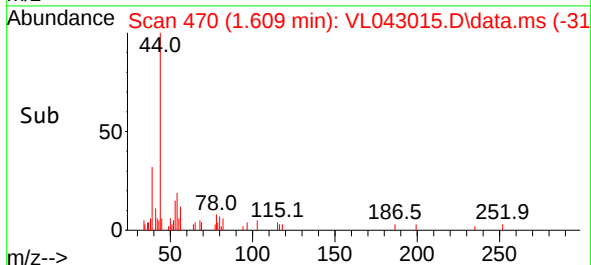
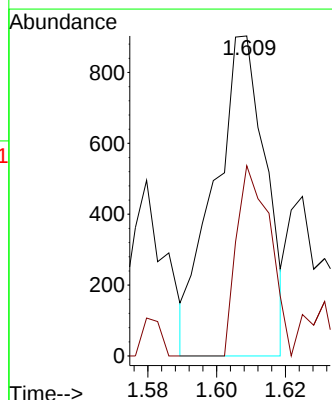
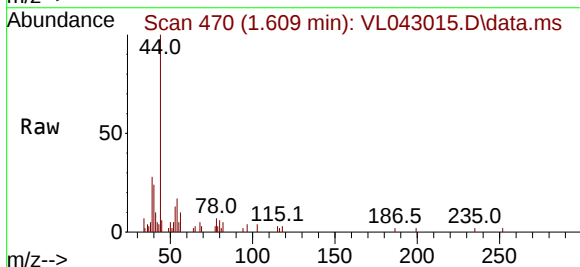
Acq: 24 Sep 2025 19:49

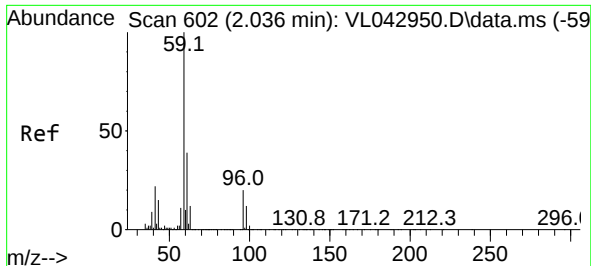
Tgt Ion: 39 Resp: 937

Ion Ratio Lower Upper

39 100

54 46.3 60.8 91.2#





#17

tert-Butyl alcohol

Concen: 0.042 ppbv

RT: 2.049 min Scan# 602

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

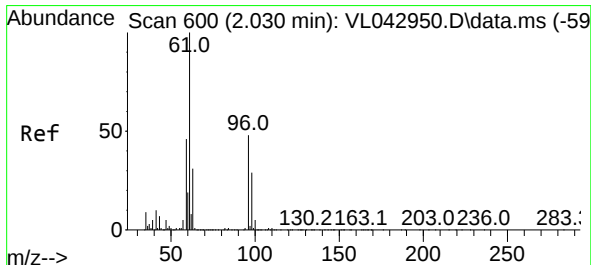
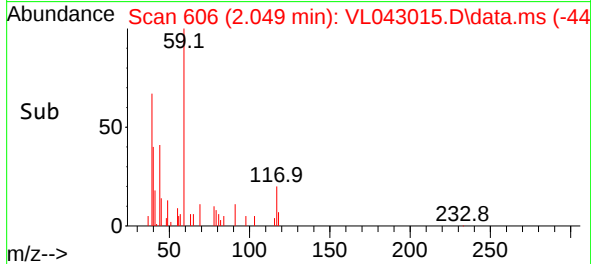
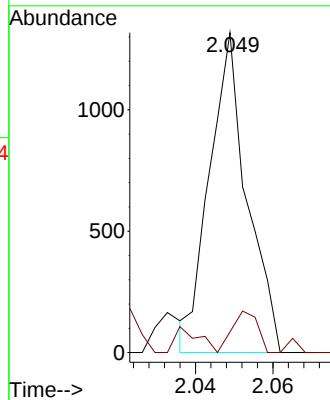
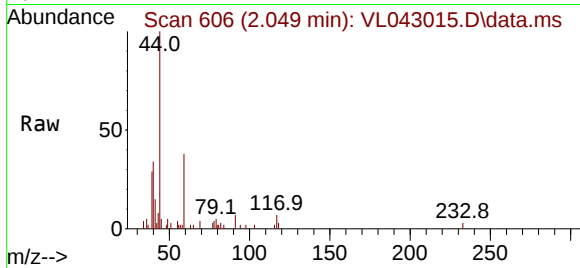
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 884

Ion Ratio Lower Upper

59 100

57 10.2 8.6 12.8



#18

1,1-Dichloroethene

Concen: 0.058 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

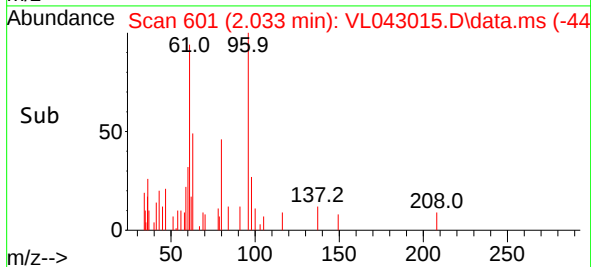
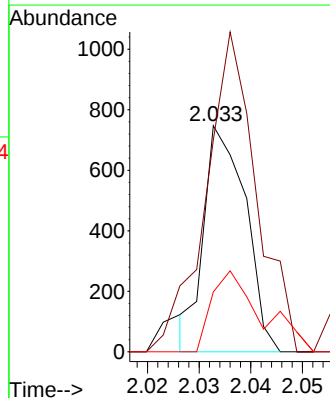
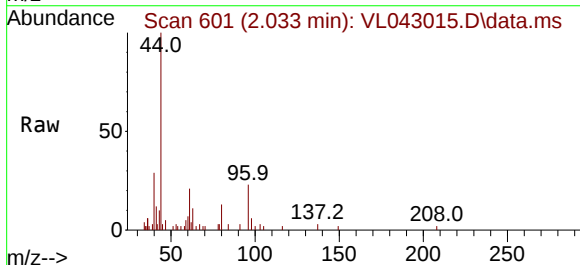
Tgt Ion: 96 Resp: 419

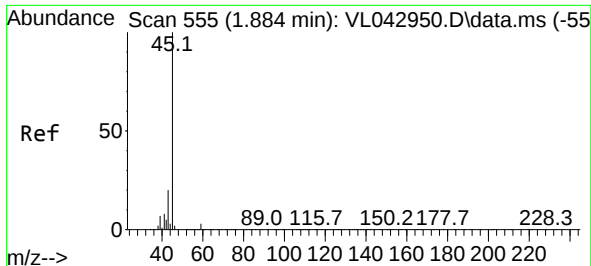
Ion Ratio Lower Upper

96 100

61 64.5 166.2 249.4#

98 26.5 48.6 73.0#

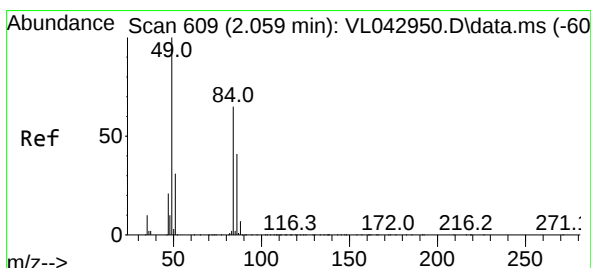
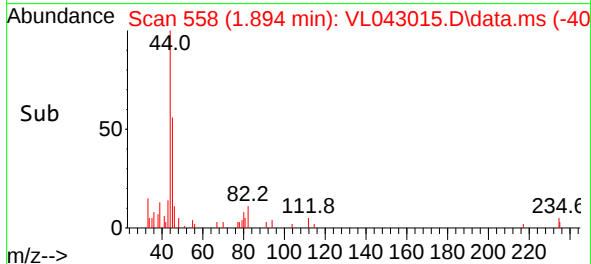
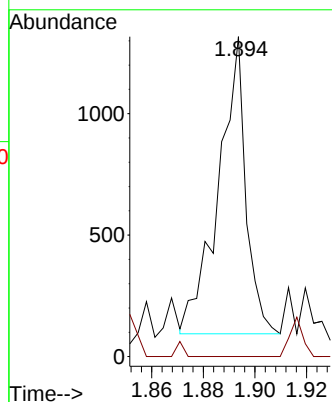
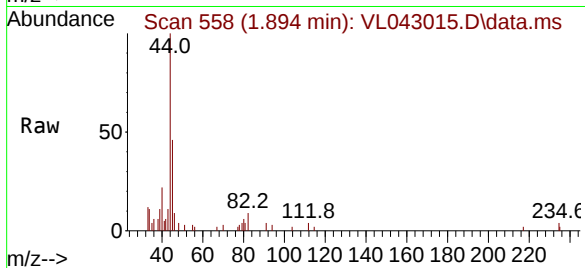




#19
Isopropyl Alcohol
Concen: 0.078 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

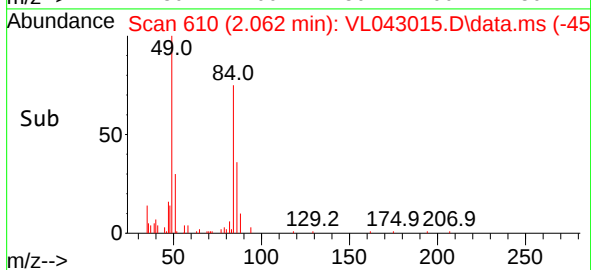
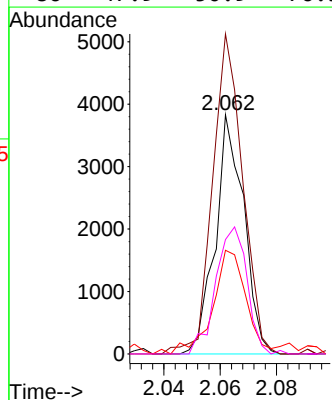
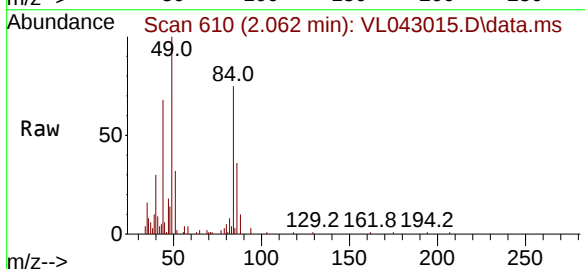
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

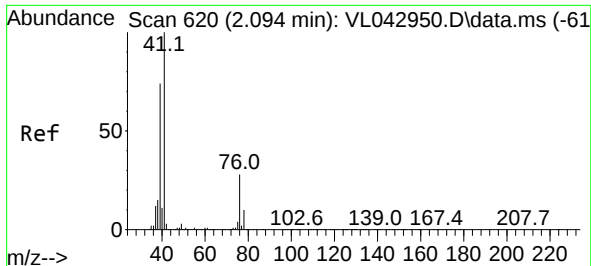
Tgt Ion: 45 Resp: 904
Ion Ratio Lower Upper
45 100
58 6.2 31.0 46.6#



#20
Methylene Chloride
Concen: 0.332 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 84 Resp: 2691
Ion Ratio Lower Upper
84 100
49 133.8 124.1 186.1
51 40.2 39.8 59.8
86 47.9 50.9 76.3#

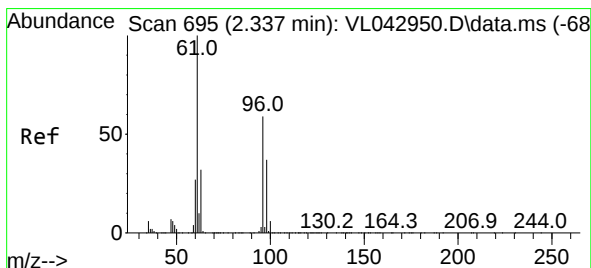
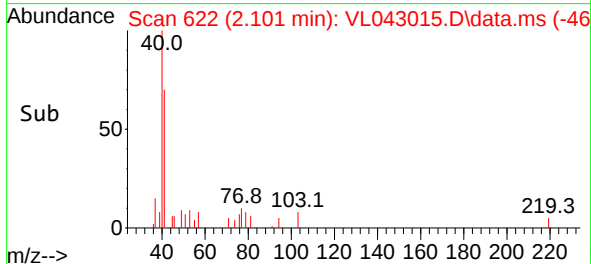
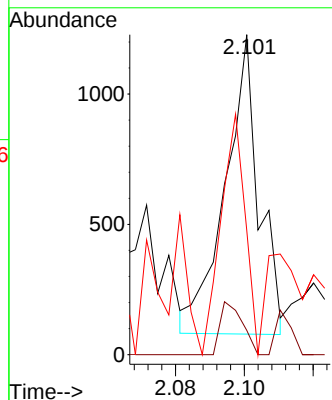
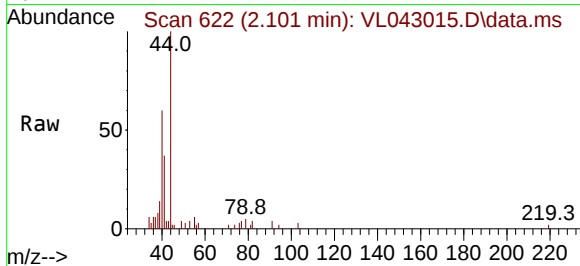




#21
 Allyl Chloride
 Concen: 0.058 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

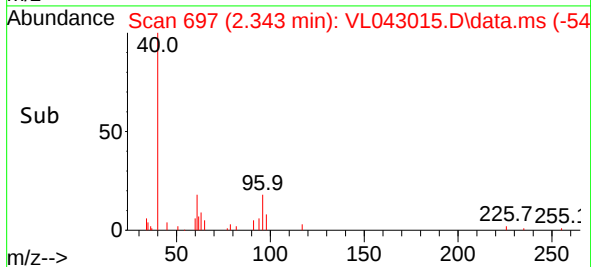
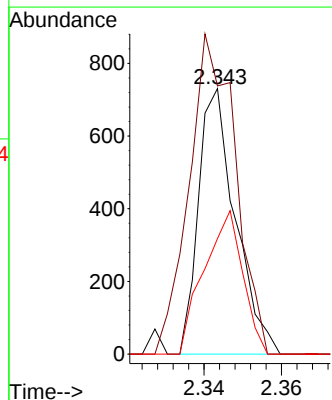
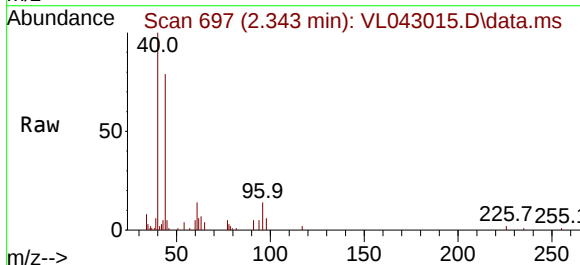
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

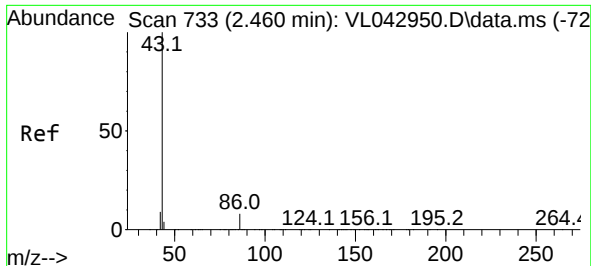
Tgt Ion: 41 Resp: 777
 Ion Ratio Lower Upper
 41 100
 76 18.5 22.3 33.5#
 39 79.2 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.059 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion: 96 Resp: 484
 Ion Ratio Lower Upper
 96 100
 61 139.5 136.5 204.7
 98 43.5 50.6 76.0#

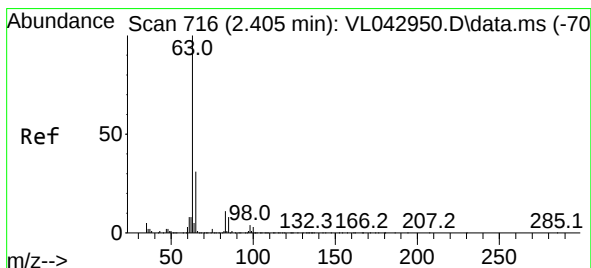
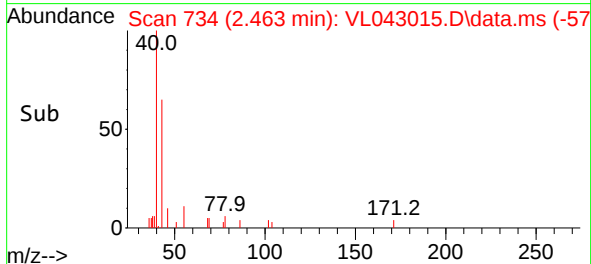
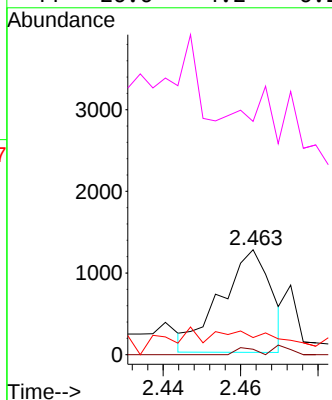
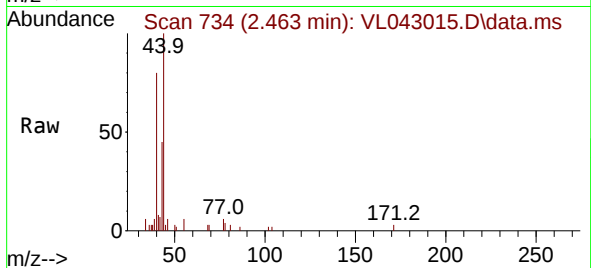




#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

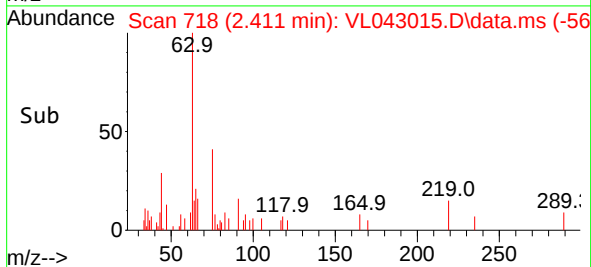
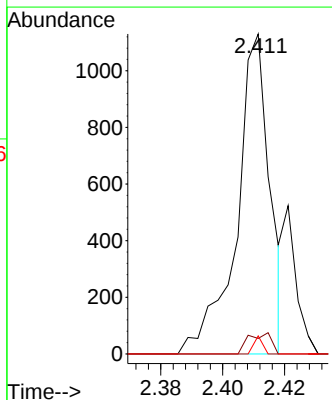
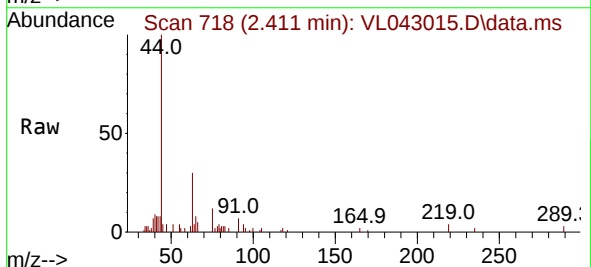
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

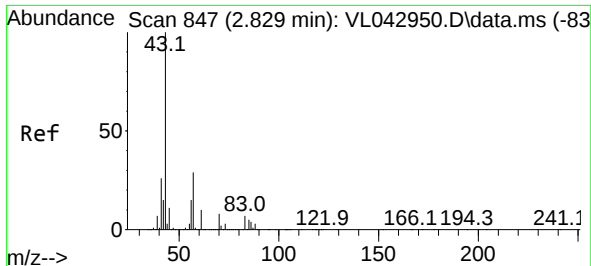
Tgt Ion:	43	Resp:	1125
Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.2	9.2
42	6.7	7.4	11.0#
44	26.6	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.052 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion:	63	Resp:	836
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.2	6.6
100	5.7	1.4	4.0#

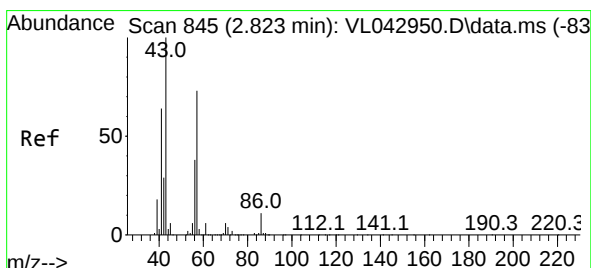
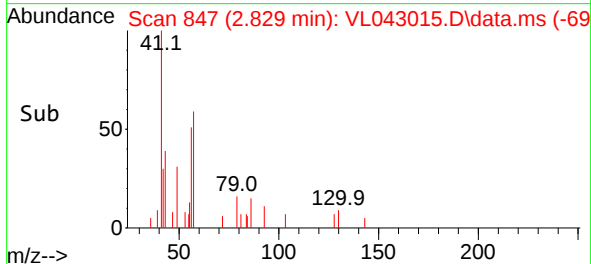
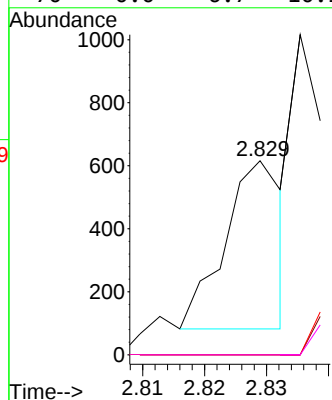
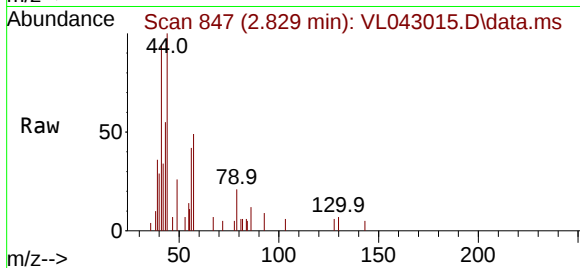




#25
Ethyl Acetate
Concen: 0.007 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

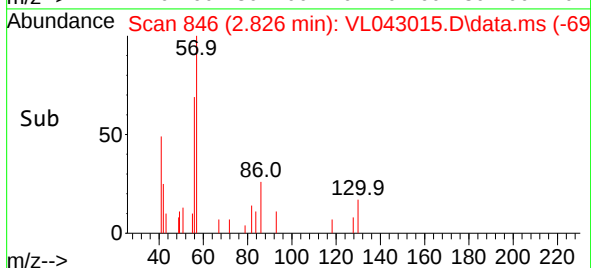
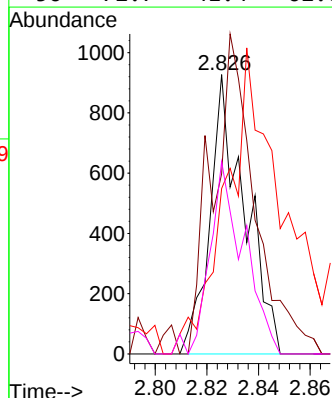
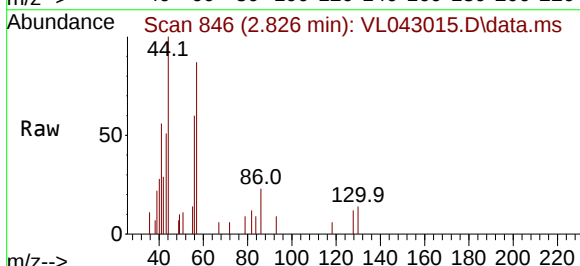
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

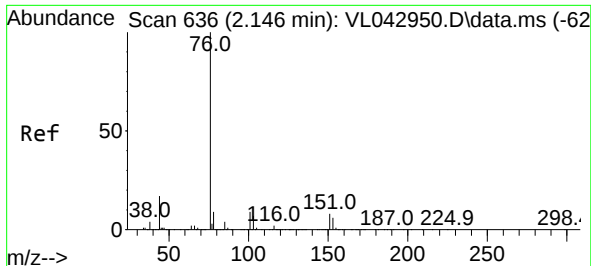
Tgt Ion: 43	Resp: 347
Ion Ratio	Lower Upper
43 100	
45 0.0	7.7 11.5#
61 0.0	7.1 10.7#
70 0.0	6.7 10.1#



#26
Hexane
Concen: 0.039 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 57	Resp: 863
Ion Ratio	Lower Upper
57 100	
41 148.7	71.7 107.5#
43 204.3	180.8 271.2
56 72.7	41.4 62.0#

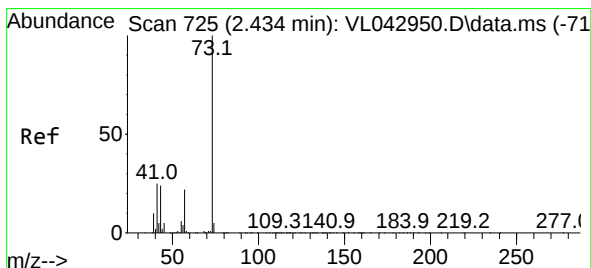
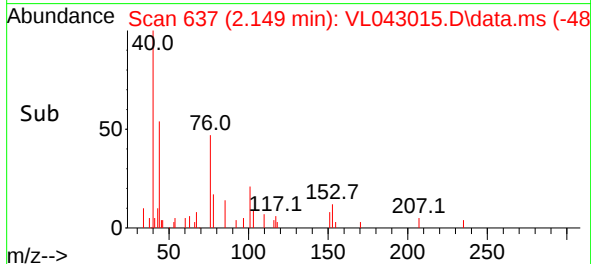
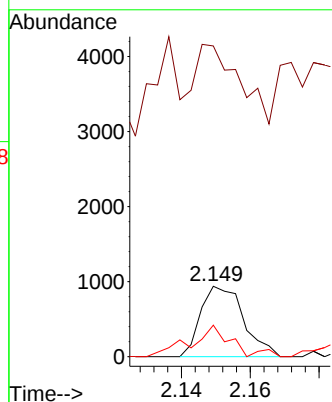
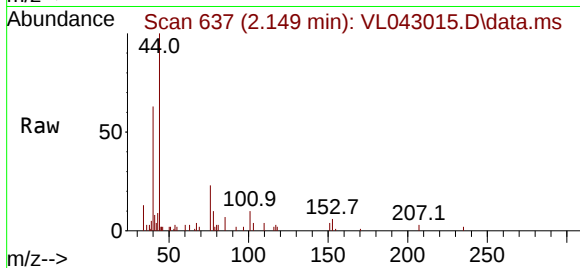




#27
Carbon Disulfide
Concen: 0.041 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

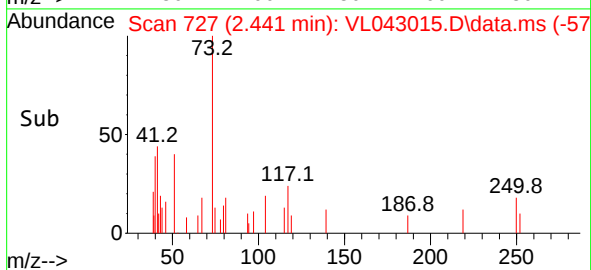
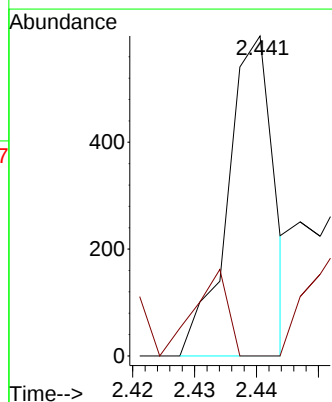
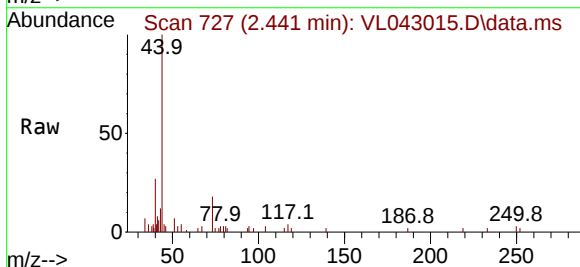
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

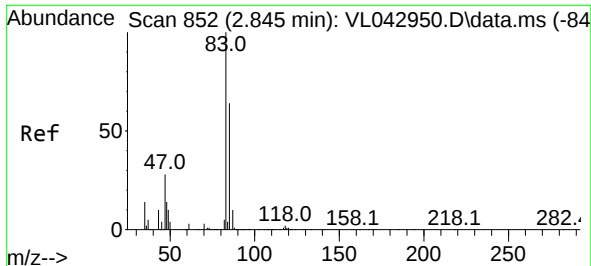
Tgt Ion: 76 Resp: 813
Ion Ratio Lower Upper
76 100
44 405.0 15.6 23.4#
78 44.3 8.9 13.3#



#28
Methyl tert-Butyl Ether
Concen: 0.027 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 73 Resp: 312
Ion Ratio Lower Upper
73 100
57 26.6 20.6 31.0





#29

Chloroform

Concen: 0.025 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

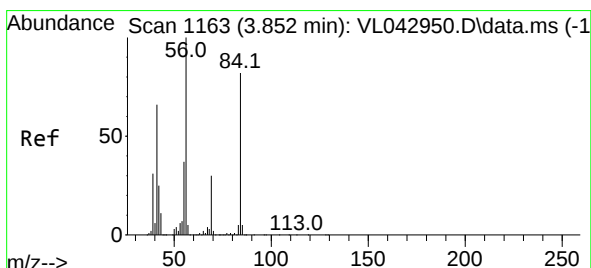
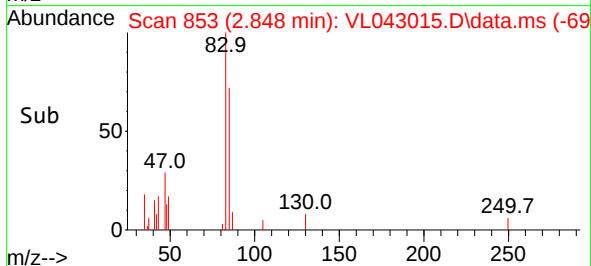
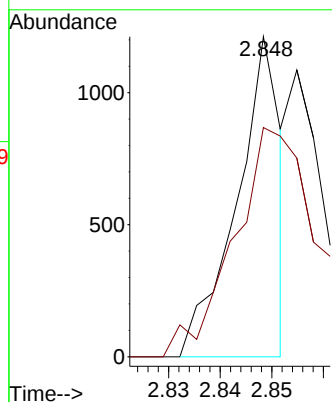
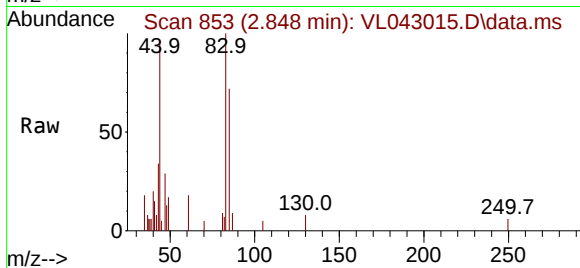
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 725

Ion Ratio Lower Upper

83 100

85 61.6 51.2 76.8



#30

Cyclohexane

Concen: 0.014 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

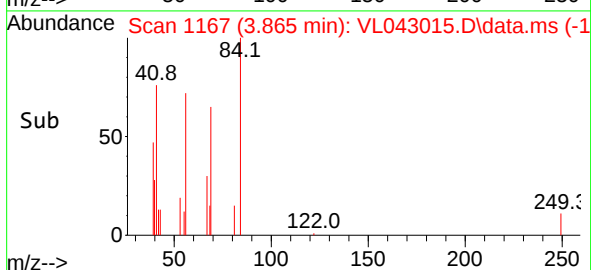
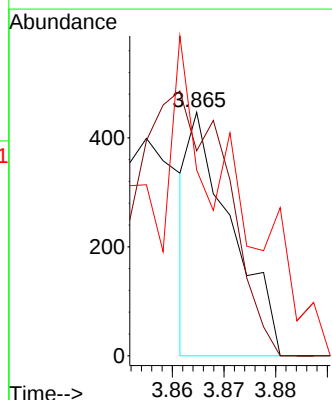
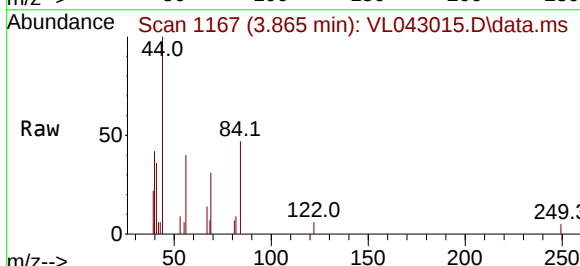
Tgt Ion: 84 Resp: 253

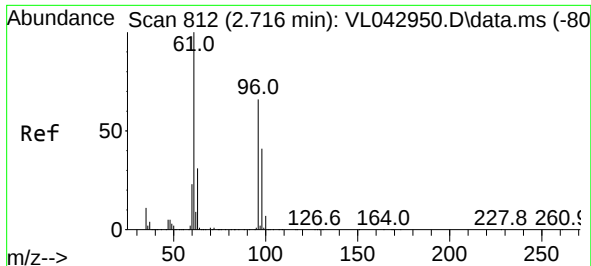
Ion Ratio Lower Upper

84 100

56 287.4 102.2 153.4#

41 269.6 65.6 98.4#

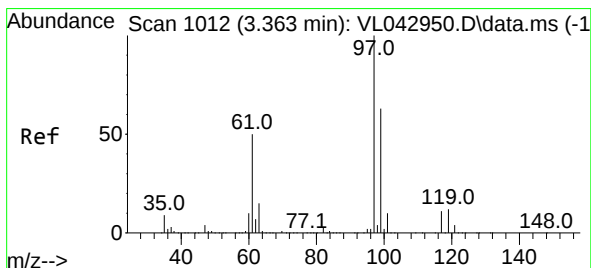
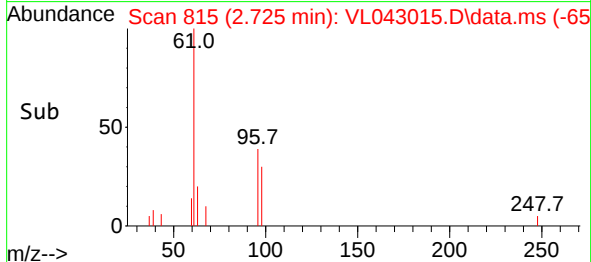
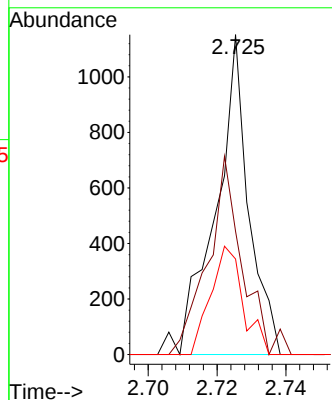
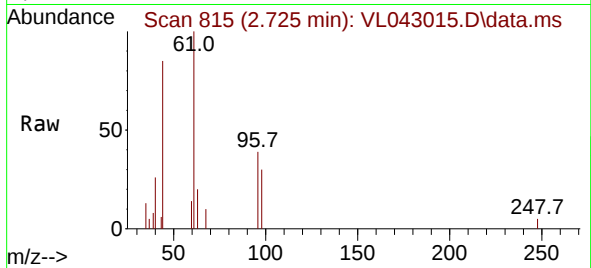




#31
 cis-1,2-Dichloroethene
 Concen: 0.036 ppbv
 RT: 2.725 min Scan# 812
 Delta R.T. 0.010 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

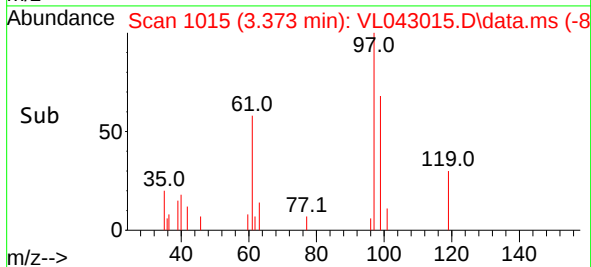
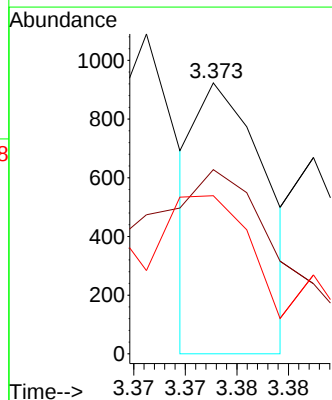
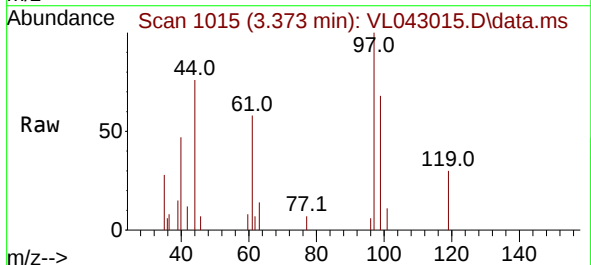
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

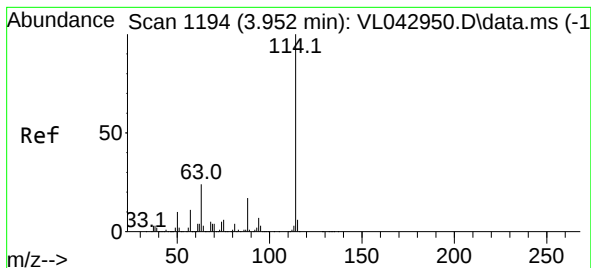
Tgt Ion: 61 Resp: 756
 Ion Ratio Lower Upper
 61 100
 96 34.0 53.0 79.6#
 98 29.9 32.9 49.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.014 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion: 97 Resp: 427
 Ion Ratio Lower Upper
 97 100
 99 174.0 51.1 76.7#
 61 148.7 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: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

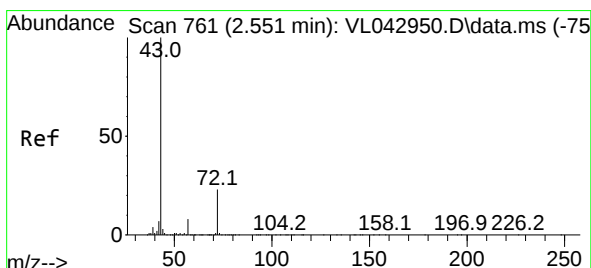
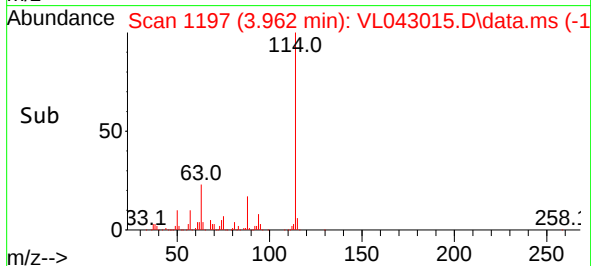
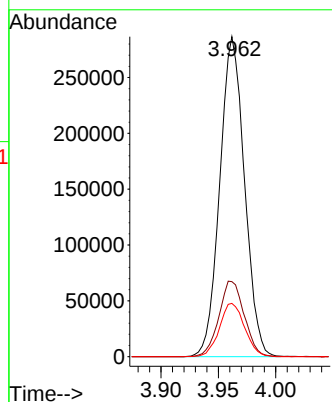
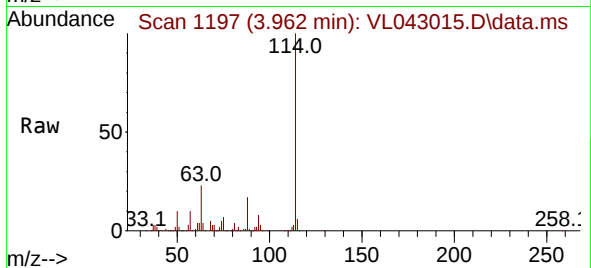
Tgt Ion:114 Resp: 429273

Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.2

88 17.0 14.2 21.2



#34

2-Butanone

Concen: 0.004 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.000 min

Lab File: VL043015.D

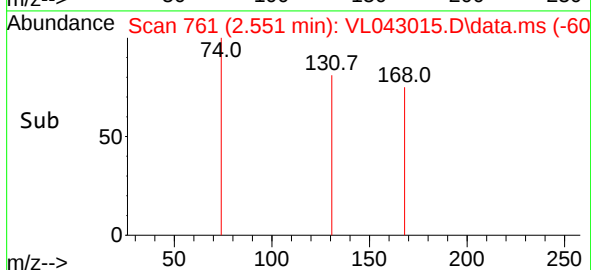
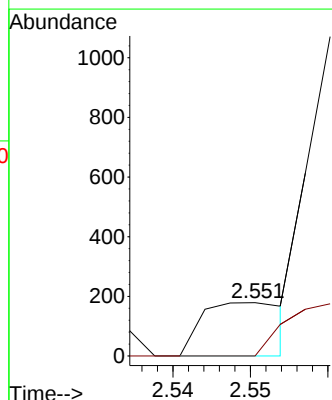
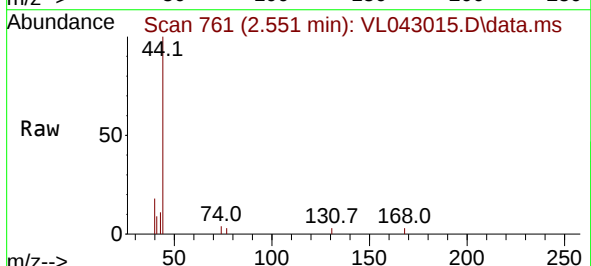
Acq: 24 Sep 2025 19:49

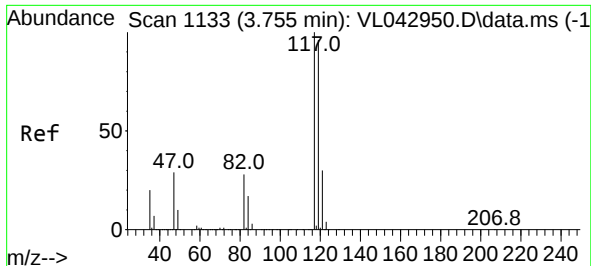
Tgt Ion: 43 Resp: 132

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

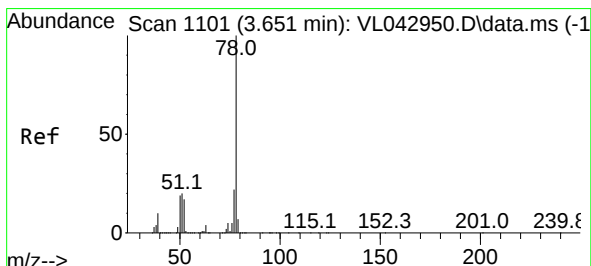
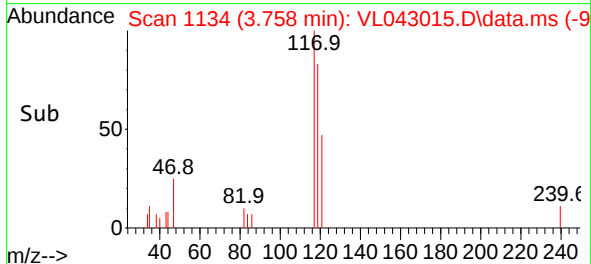
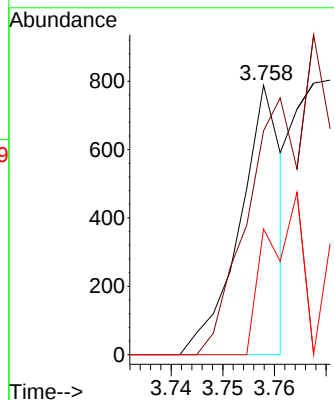
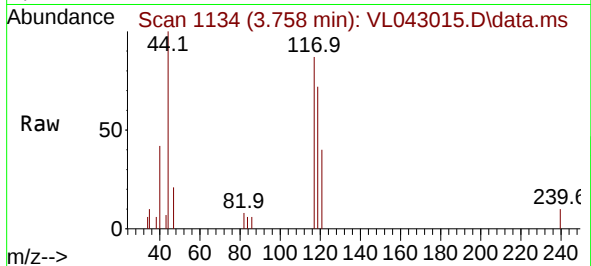




#35
Carbon Tetrachloride
Concen: 0.016 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

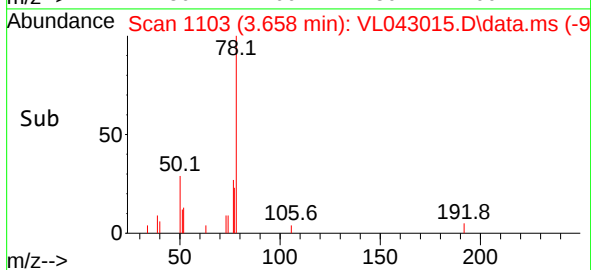
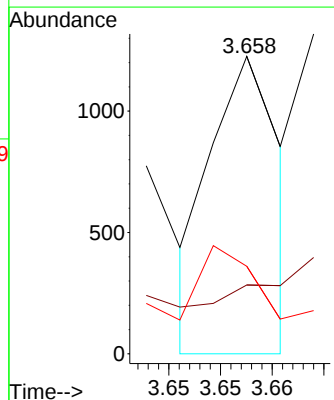
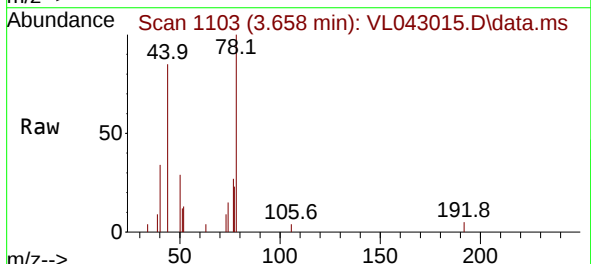
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

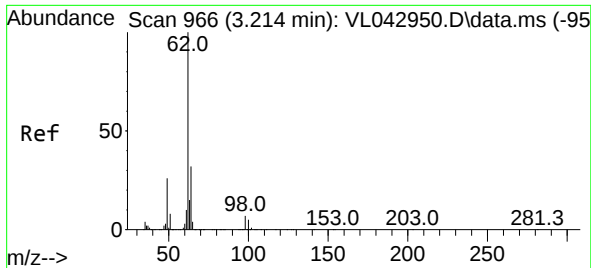
Tgt Ion:117 Resp: 445
Ion Ratio Lower Upper
117 100
119 83.1 76.9 115.3
121 46.7 23.7 35.5#



#36
Benzene
Concen: 0.014 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 78 Resp: 572
Ion Ratio Lower Upper
78 100
77 11.5 17.8 26.6#
50 28.2 15.0 22.4#

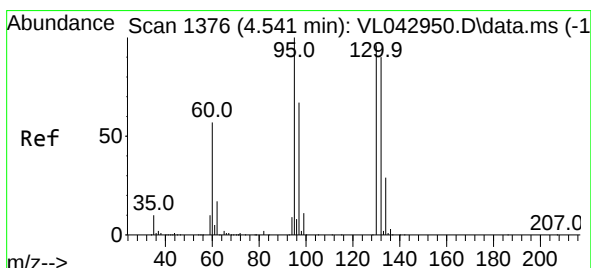
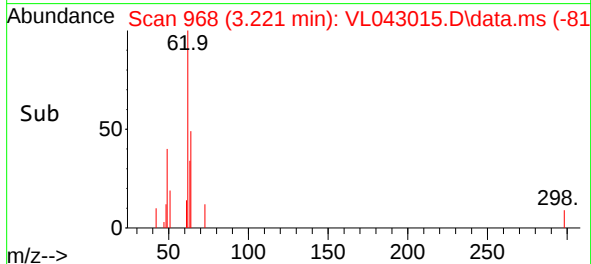
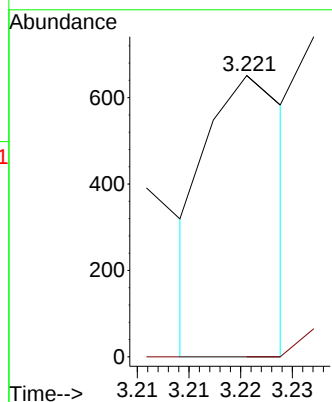
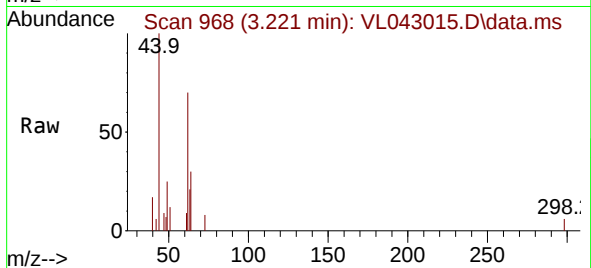




#37
1,2-Dichloroethane
Concen: 0.016 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

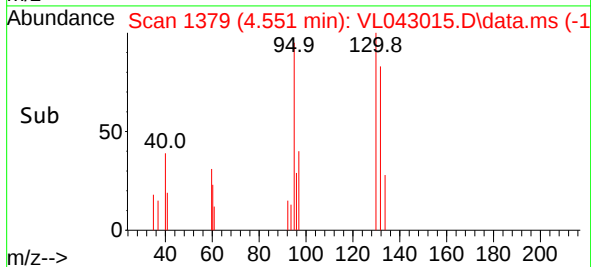
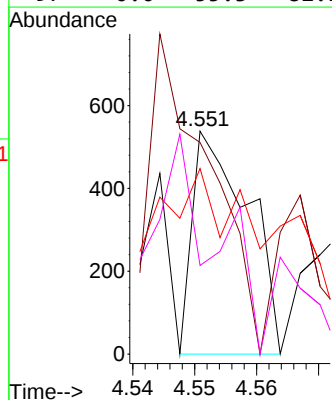
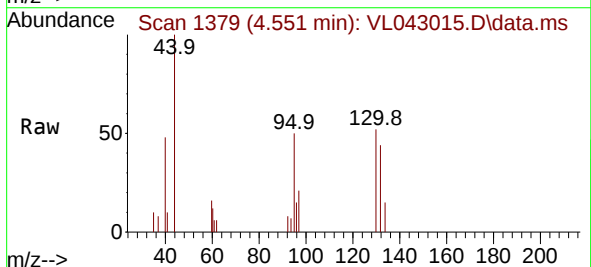
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

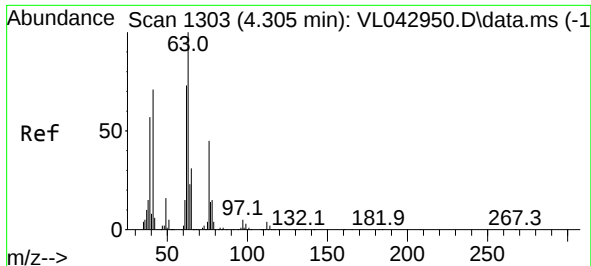
Tgt Ion: 62 Resp: 346
Ion Ratio Lower Upper
62 100
98 0.0 5.9 8.9#



#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 130 Resp: 335
Ion Ratio Lower Upper
130 100
95 40.3 83.0 124.4#
132 25.8 74.6 112.0#
97 0.0 55.3 82.9#





#39

1,2-Dichloropropane

Concen: 7.066 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.347 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

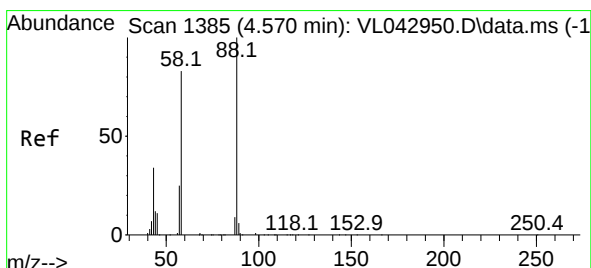
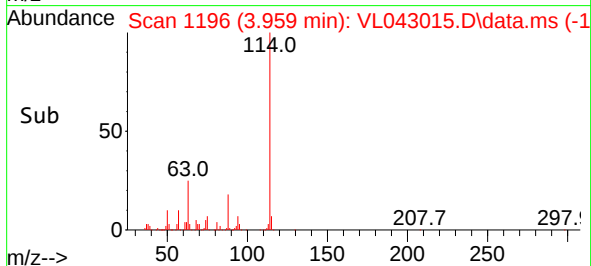
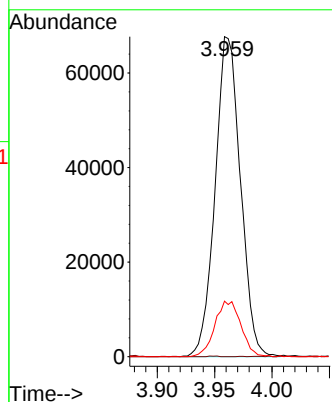
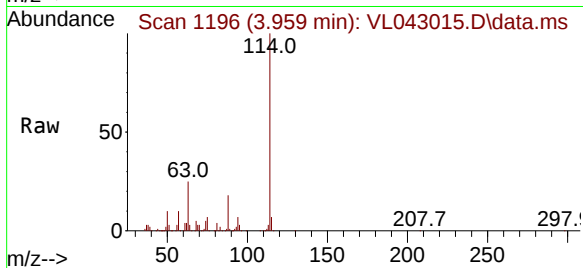
Tgt Ion: 63 Resp: 103979

Ion Ratio Lower Upper

63 100

41 0.0 57.5 86.3#

62 17.3 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.013 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.052 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion: 88 Resp: 90

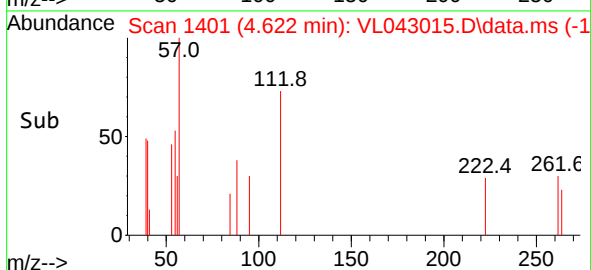
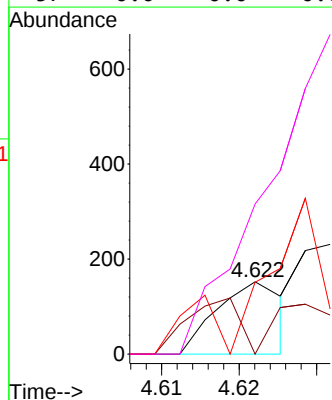
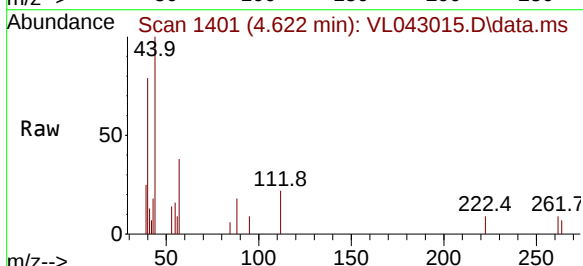
Ion Ratio Lower Upper

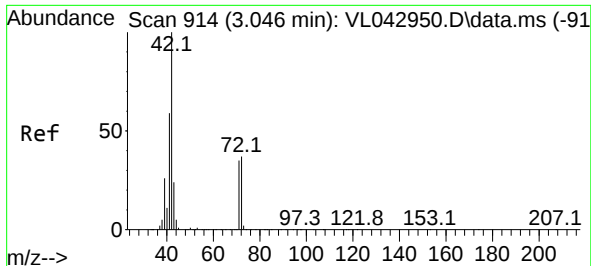
88 100

58 11.1 59.7 89.5#

43 116.7 28.9 43.3#

57 0.0 0.0 0.0

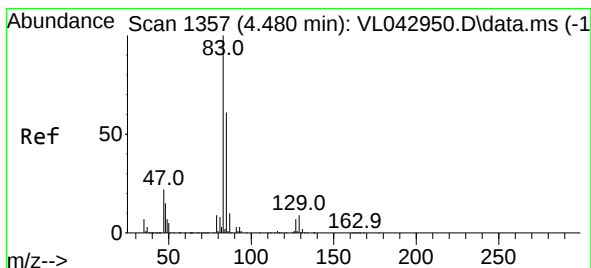
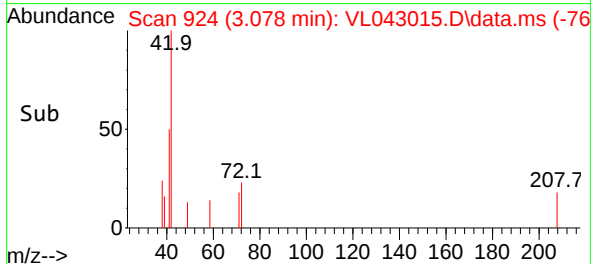
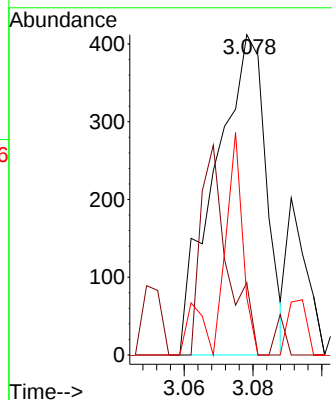
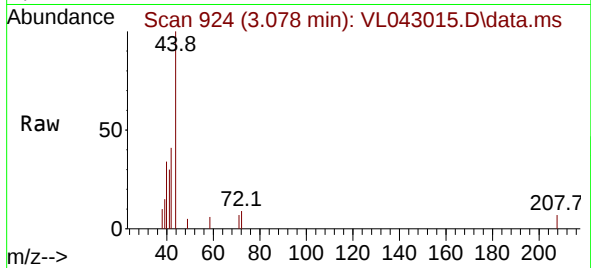




#41
Tetrahydrofuran
Concen: 0.025 ppbv
RT: 3.078 min Scan# 914
Delta R.T. 0.032 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

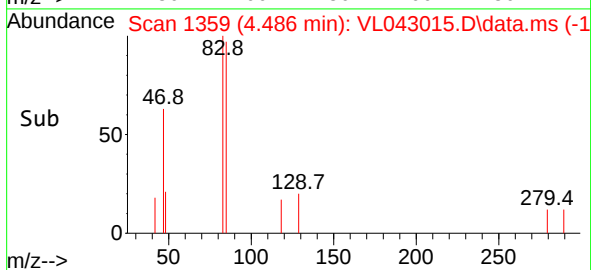
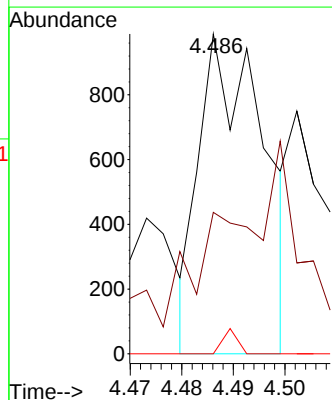
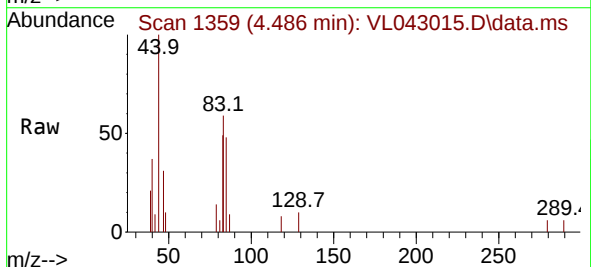
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

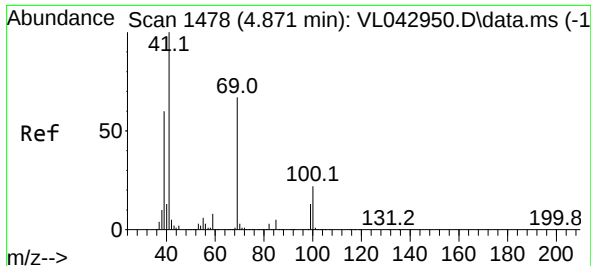
Tgt Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 45.0 30.0 45.0#
71 34.2 28.8 43.2



#42
Bromodichloromethane
Concen: 0.029 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 83 Resp: 852
Ion Ratio Lower Upper
83 100
85 16.0 49.0 73.6#
127 0.0 5.3 7.9#

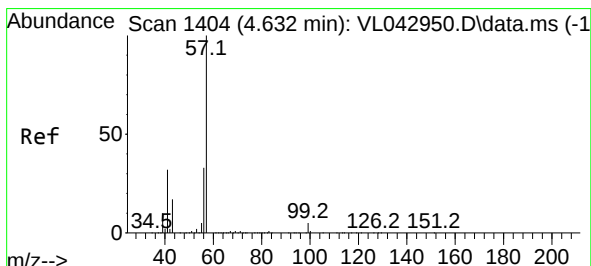
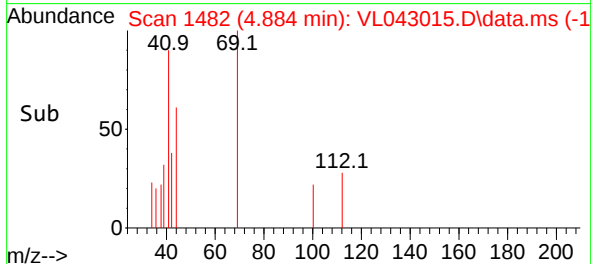
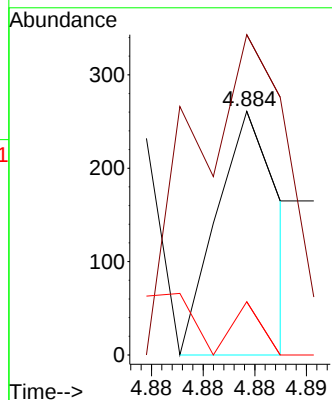
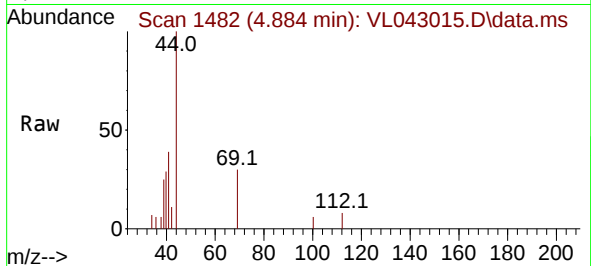




#43
Methyl Methacrylate
Concen: 0.007 ppbv
RT: 4.884 min Scan# 1410
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

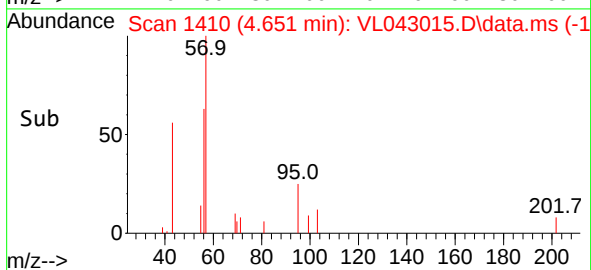
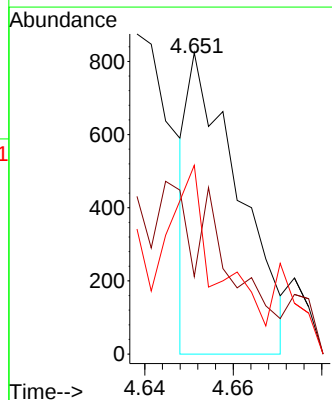
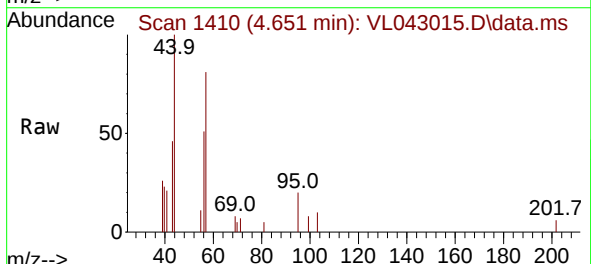
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

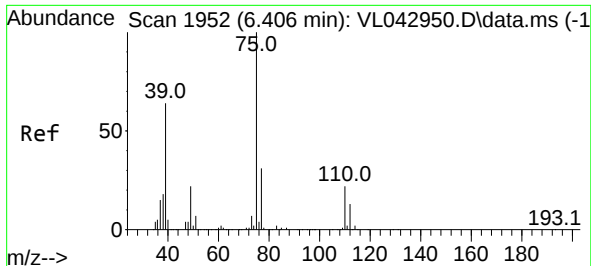
Tgt Ion: 69 Resp: 110
Ion Ratio Lower Upper
69 100
41 729.1 124.5 186.7#
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.009 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.019 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 57 Resp: 650
Ion Ratio Lower Upper
57 100
41 161.2 25.5 38.3#
56 129.8 25.8 38.8#

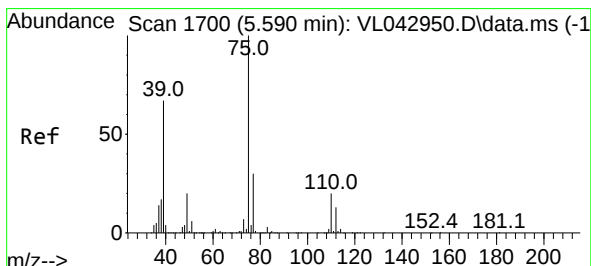
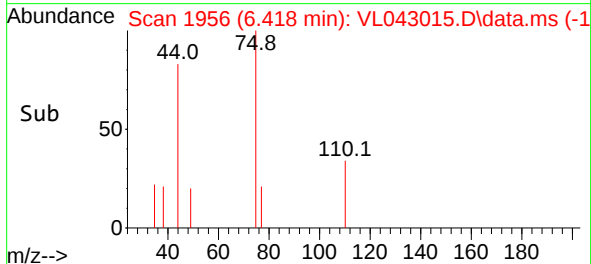
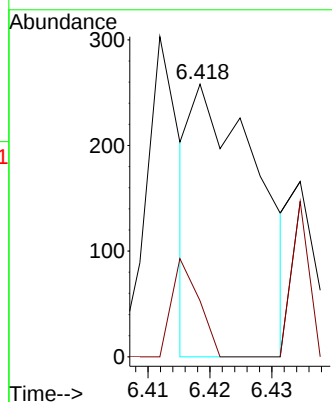
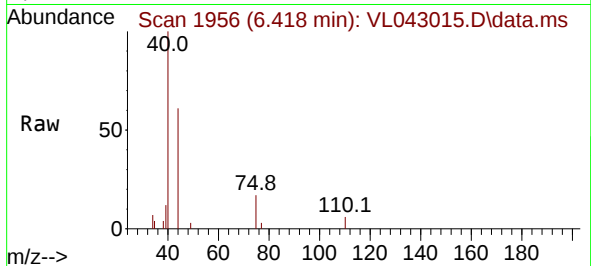




#45
t-1,3-Dichloropropene
Concen: 0.011 ppbv
RT: 6.418 min Scan# 1952
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

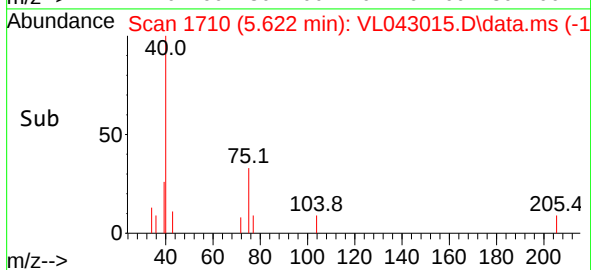
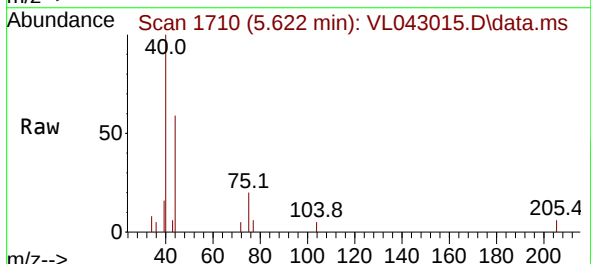
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2025

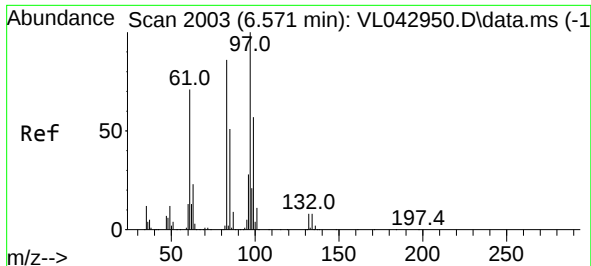
Tgt Ion: 75 Resp: 192
Ion Ratio Lower Upper
75 100
77 20.5 25.0 37.4#



#46
cis-1,3-Dichloropropene
Concen: 0.005 ppbv
RT: 5.622 min Scan# 1710
Delta R.T. 0.032 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
39 78.6 53.8 80.6
77 28.4 23.6 35.4

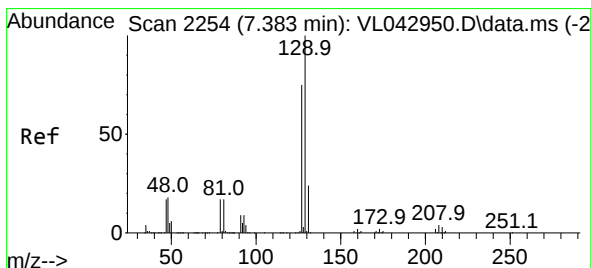
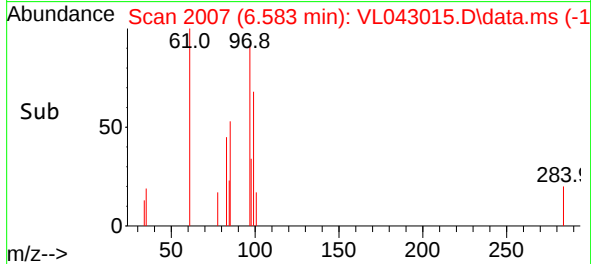
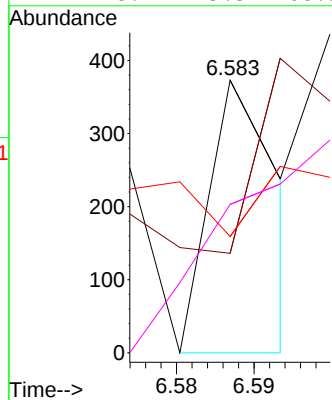
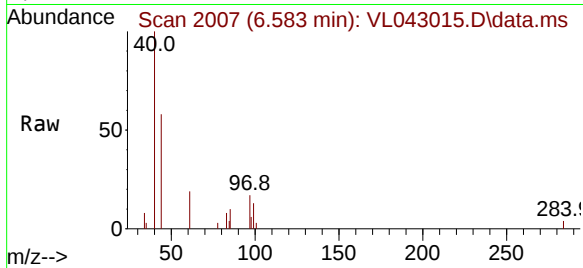




#47
1,1,2-Trichloroethane
Concen: 0.008 ppbv
RT: 6.583 min Scan# 2003
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

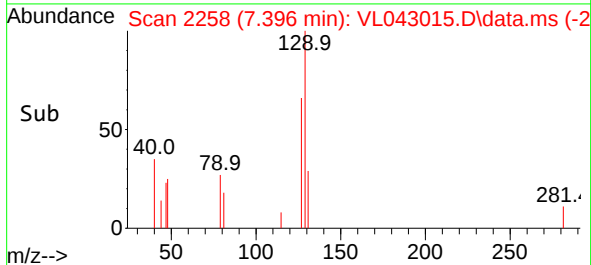
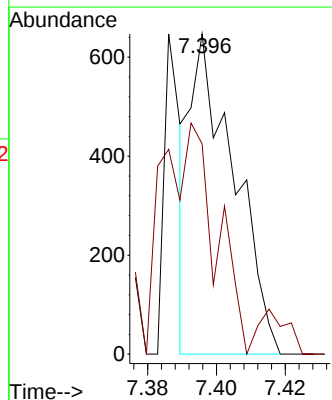
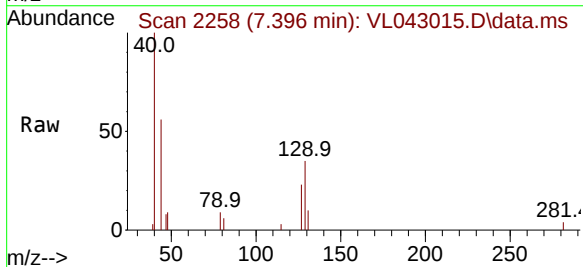
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

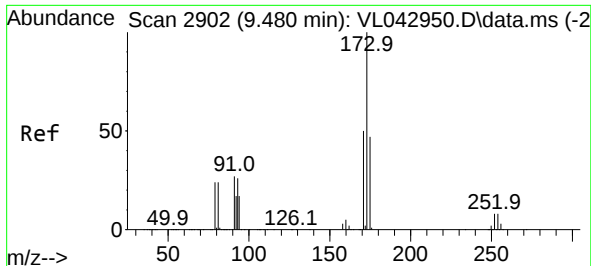
Tgt Ion:	97	Resp:	119
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.7	103.1#
85	0.0	40.6	60.8#
99	28.7	45.5	68.3#



#48
Dibromochloromethane
Concen: 0.023 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion:	129	Resp:	576
Ion	Ratio	Lower	Upper
129	100		
127	106.9	39.1	117.2

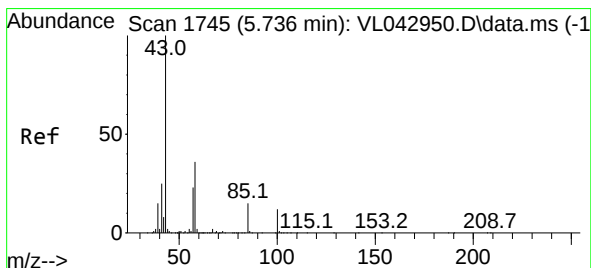
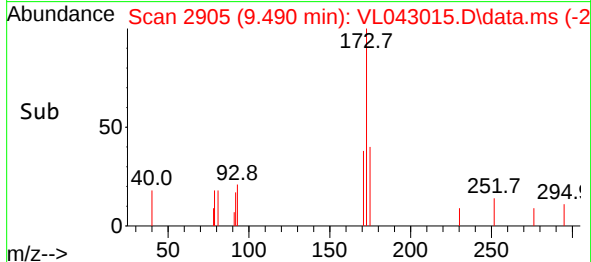
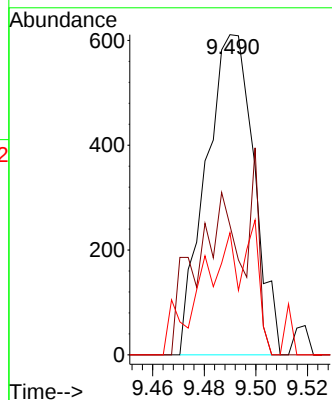
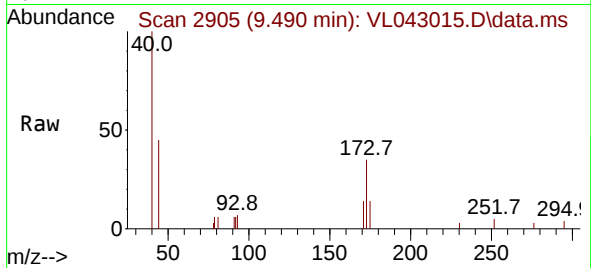




#49
Bromoform
Concen: 0.037 ppbv
RT: 9.490 min Scan# 2902
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

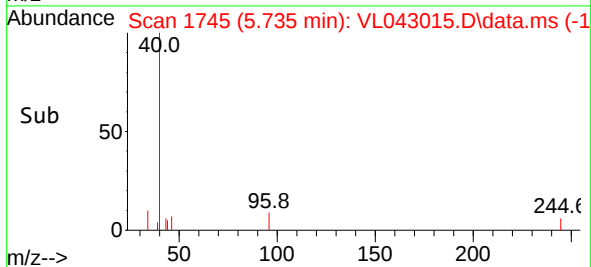
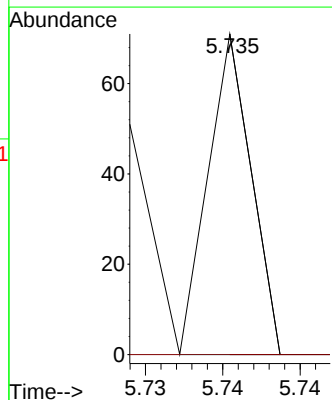
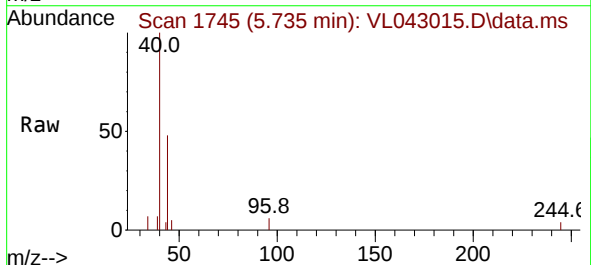
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

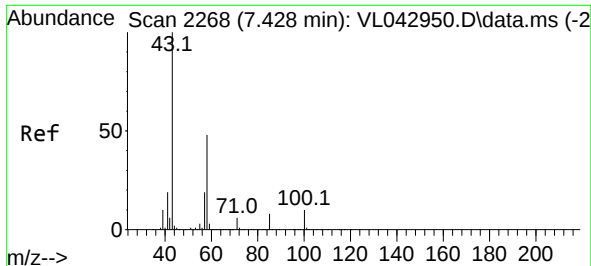
Tgt Ion:173 Resp: 793
Ion Ratio Lower Upper
173 100
175 55.6 37.9 56.9
171 44.1 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 0.000 ppbv
RT: 5.735 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 43 Resp: 14
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#

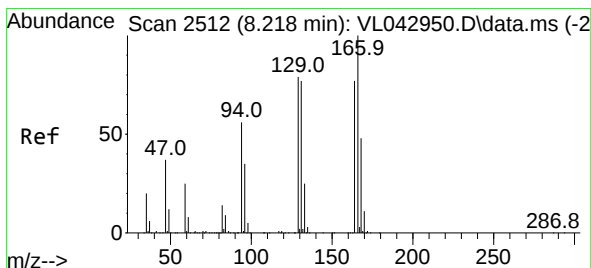
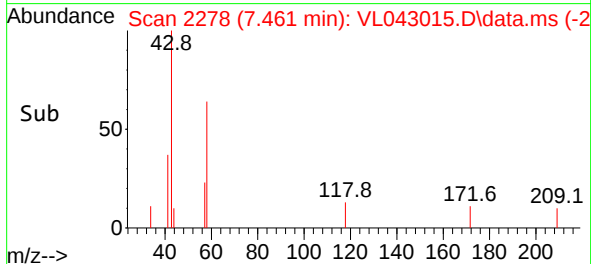
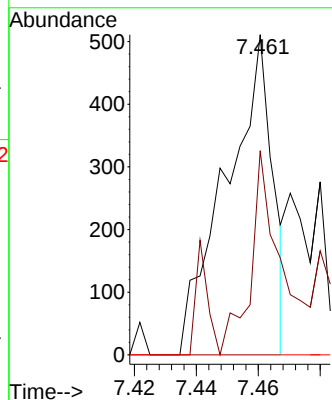
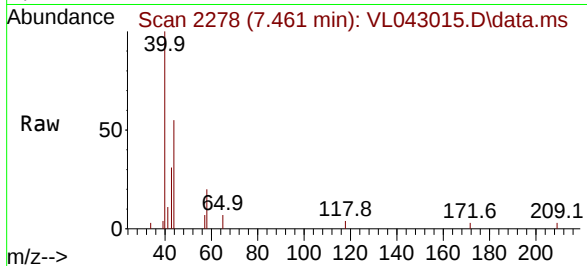




#51
2-Hexanone
Concen: 0.017 ppbv
RT: 7.461 min Scan# 219
Delta R.T. 0.032 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

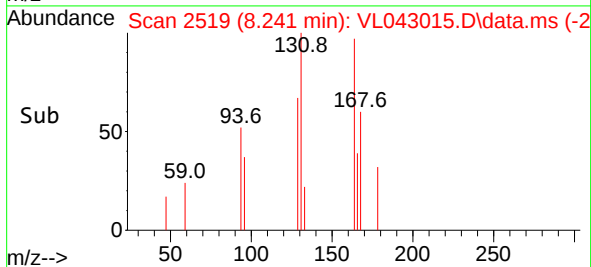
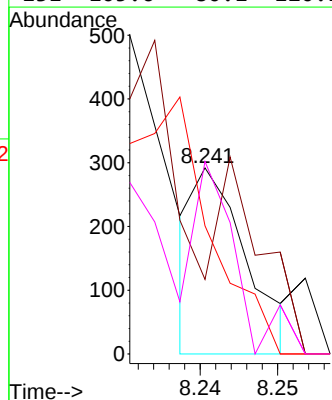
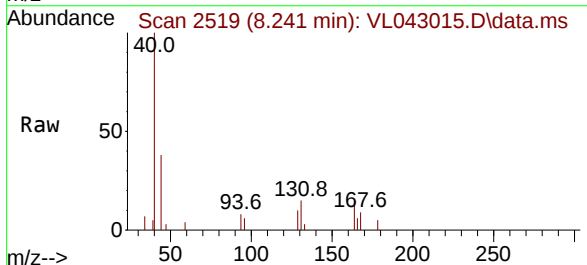
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

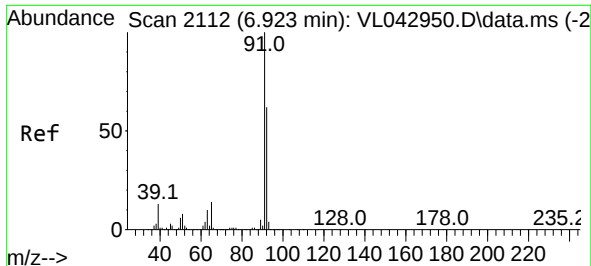
Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 60.7 39.7 59.5#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.009 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.022 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 164 Resp: 137
Ion Ratio Lower Upper
164 100
166 0.0 103.5 155.3#
129 94.4 82.2 123.4
131 105.6 80.1 120.1

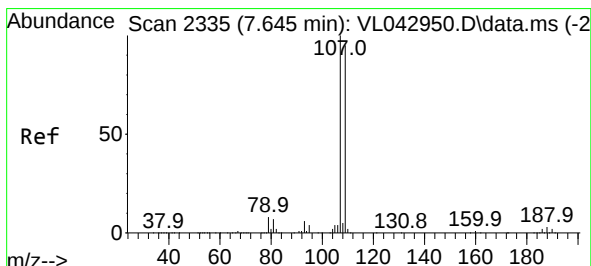
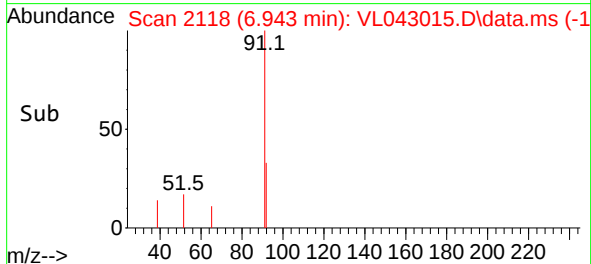
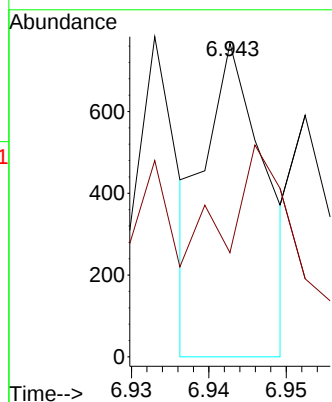
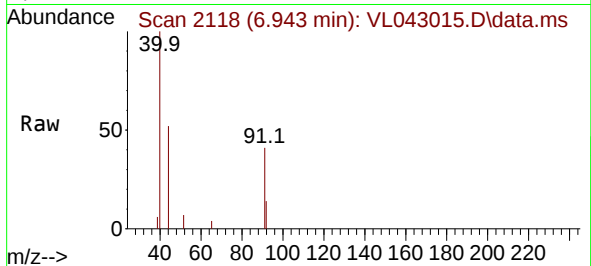




#53
Toluene
Concen: 0.009 ppbv
RT: 6.943 min Scan# 2112
Delta R.T. 0.019 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

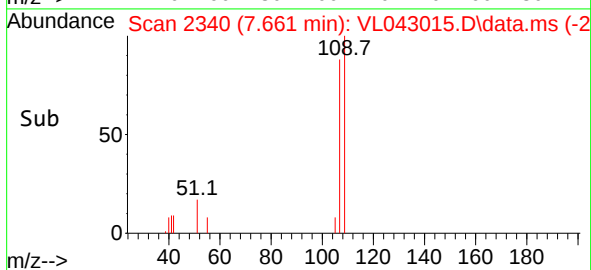
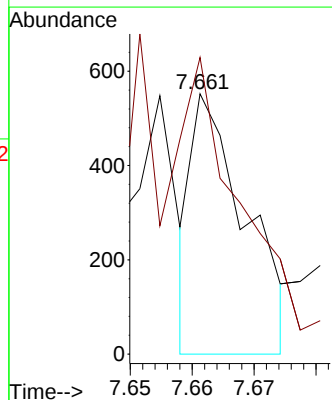
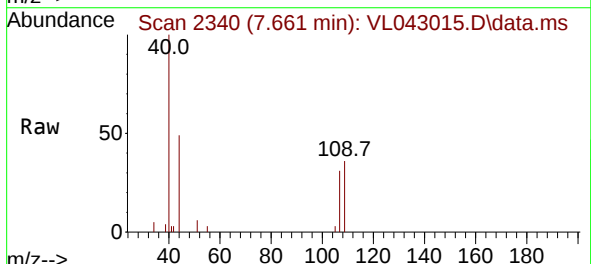
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

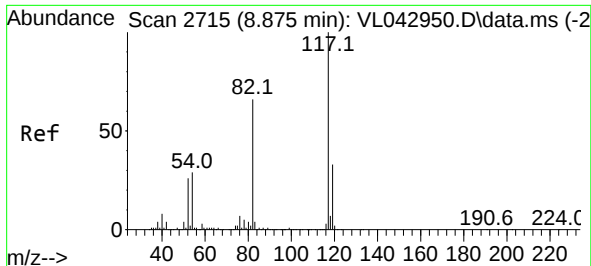
Tgt Ion: 91 Resp: 412
Ion Ratio Lower Upper
91 100
92 177.2 48.2 72.2#



#54
1,2-Dibromoethane
Concen: 0.015 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.016 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 107 Resp: 335
Ion Ratio Lower Upper
107 100
109 106.0 75.8 113.8

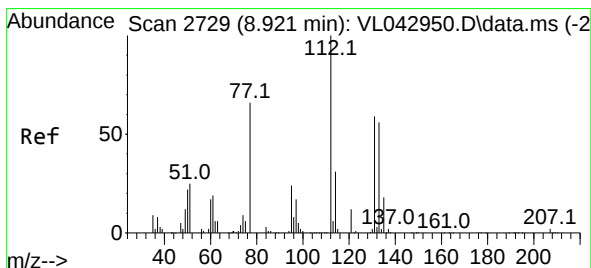
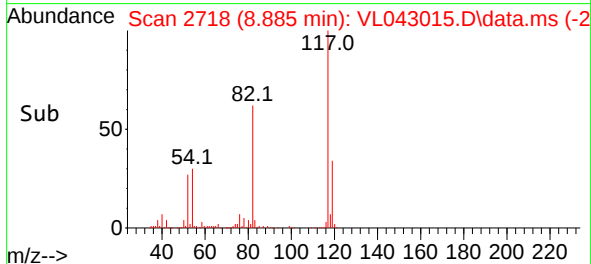
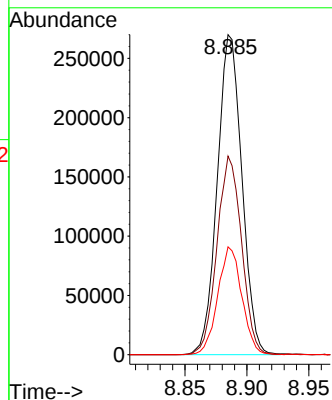
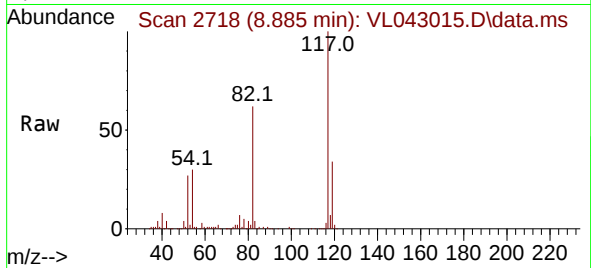




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

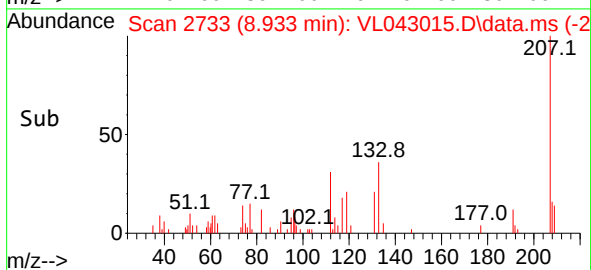
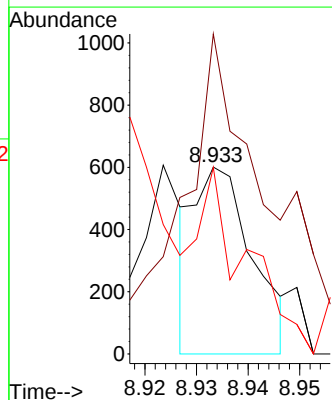
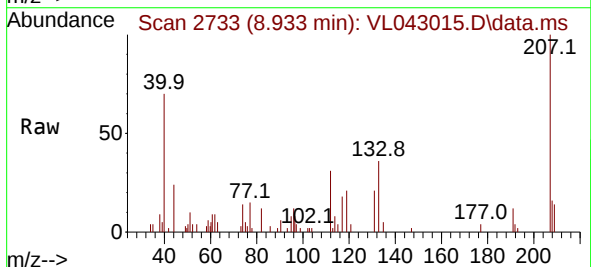
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

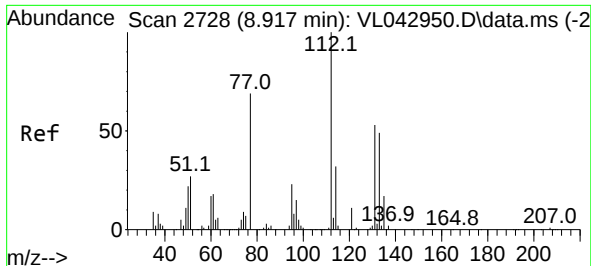
Tgt Ion:117 Resp: 374768
Ion Ratio Lower Upper
117 100
82 62.0 52.8 79.2
119 33.0 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 0.026 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion:131 Resp: 469
Ion Ratio Lower Upper
131 100
133 272.5 76.6 114.8#
119 0.0 49.9 74.9#

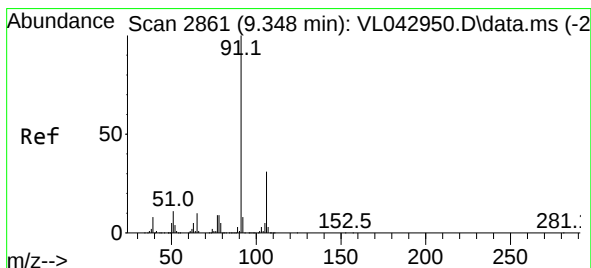
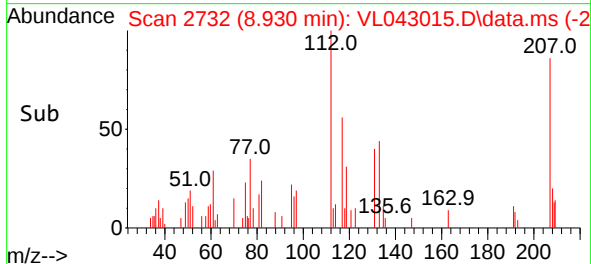
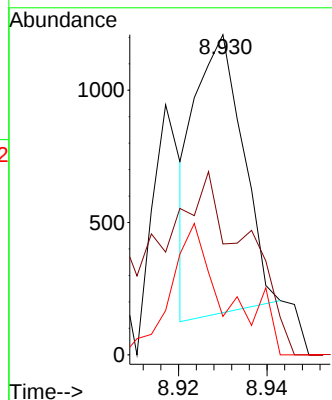
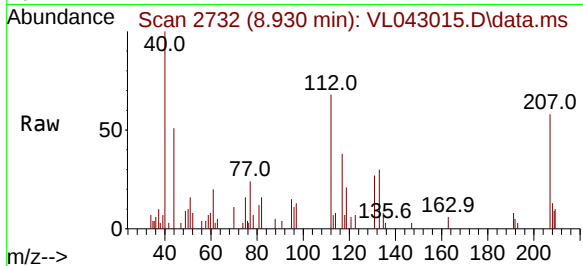




#57
Chlorobenzene
Concen: 0.023 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

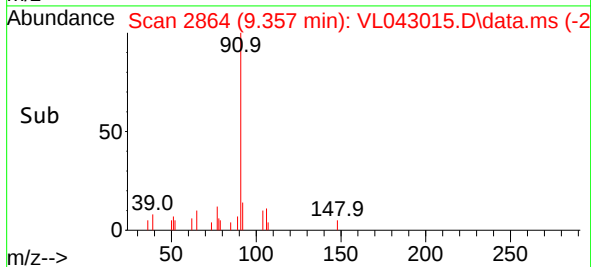
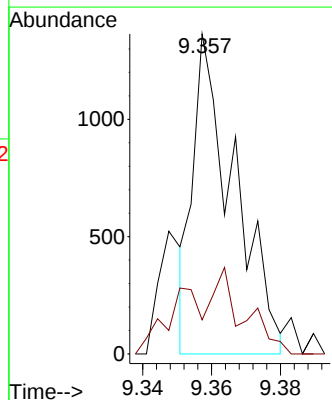
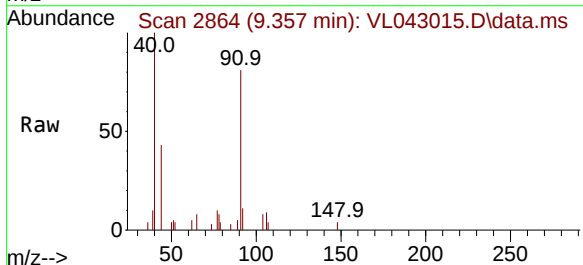
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

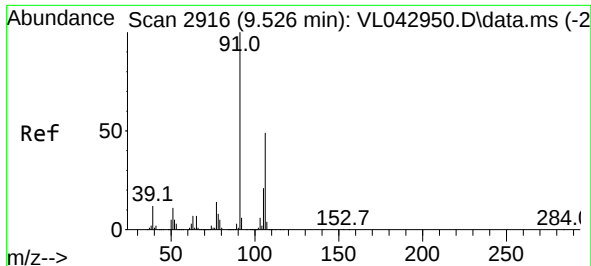
Tgt Ion: 112 Resp: 798
Ion Ratio Lower Upper
112 100
77 27.6 55.7 83.5#
114 14.4 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.018 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 91 Resp: 1128
Ion Ratio Lower Upper
91 100
106 7.2 24.6 37.0#





#59

m/p-Xylene

Concen: 0.008 ppbv

RT: 9.539 min Scan# 2916

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

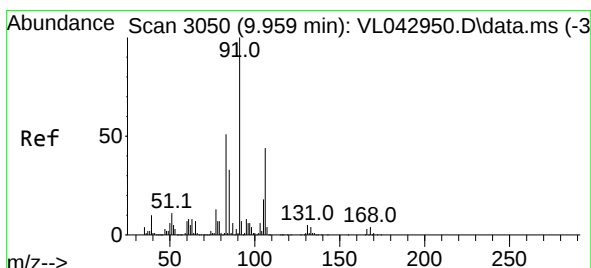
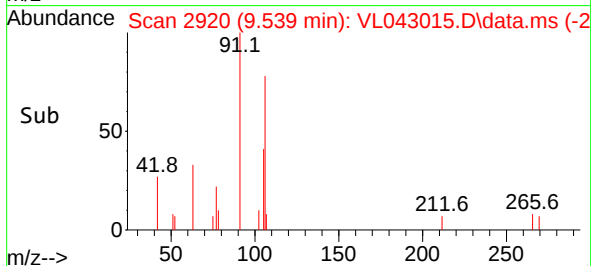
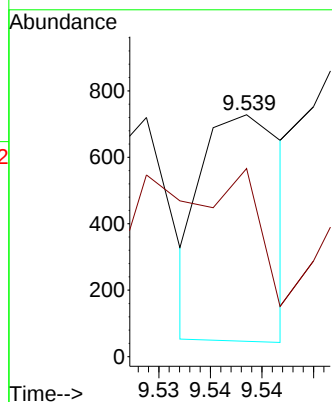
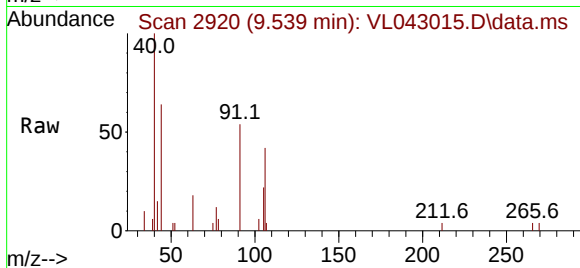
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 374

Ion Ratio Lower Upper

91 100

106 176.2 0.0 0.0#



#60

o-Xylene

Concen: 0.017 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL043015.D

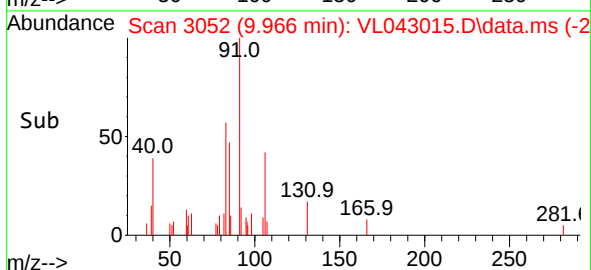
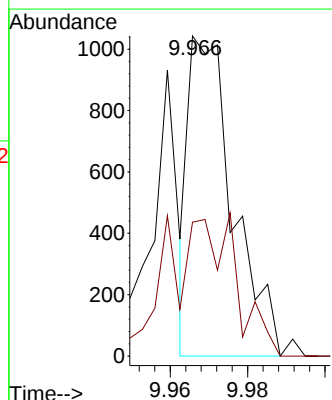
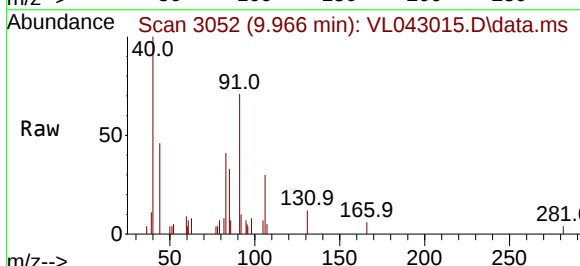
Acq: 24 Sep 2025 19:49

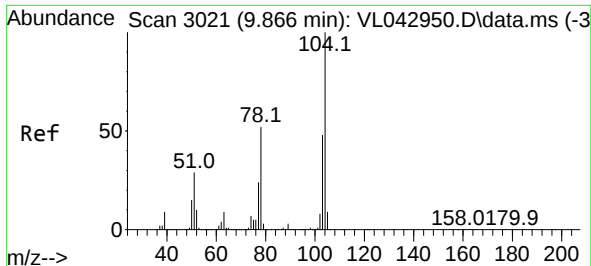
Tgt Ion: 91 Resp: 839

Ion Ratio Lower Upper

91 100

106 66.0 22.4 67.0





#61

Styrene

Concen: 0.007 ppbv

RT: 9.875 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

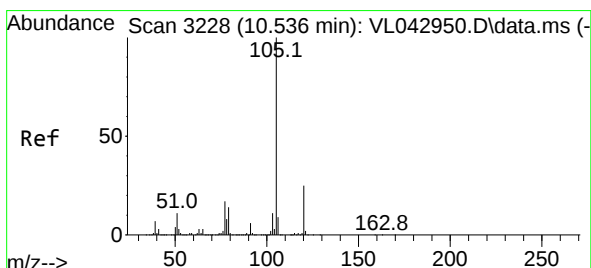
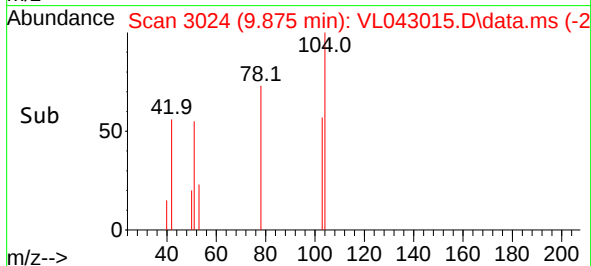
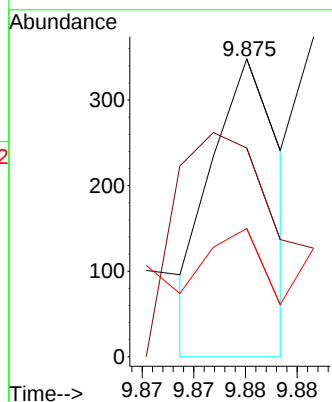
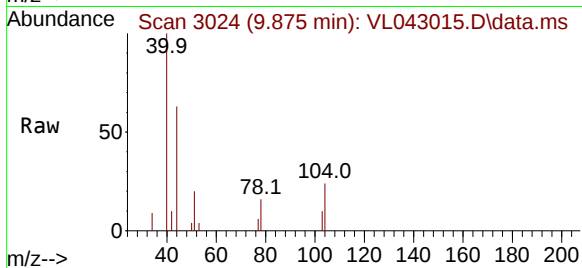
MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:104 Resp: 160

Ion	Ratio	Lower	Upper
104	100		
78	165.6	39.9	59.9#
103	0.0	36.9	55.3#



#62

Isopropylbenzene

Concen: 0.024 ppbv

RT: 10.542 min Scan# 3230

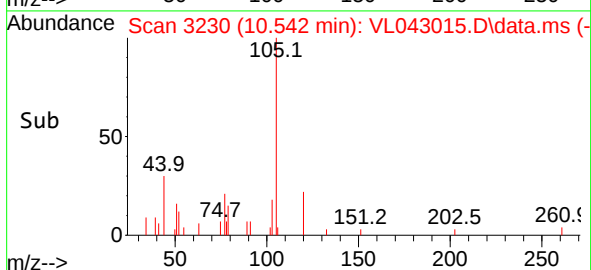
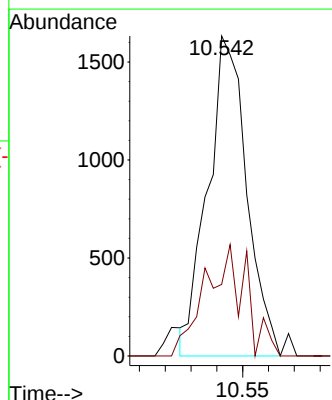
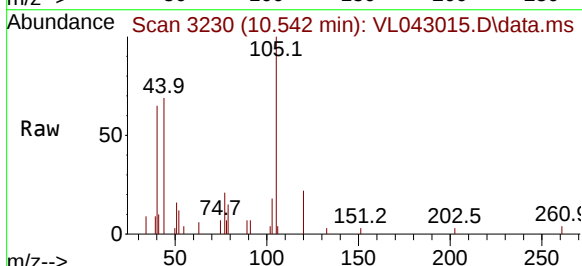
Delta R.T. 0.006 min

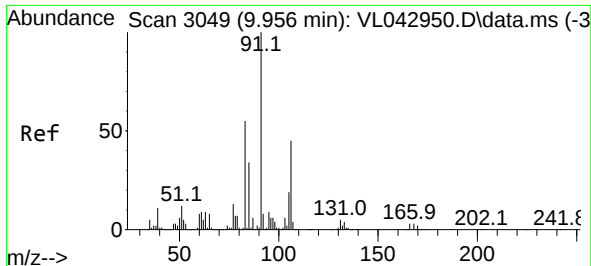
Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion:105 Resp: 1709

Ion	Ratio	Lower	Upper
105	100		
120	36.1	20.6	30.8#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.021 ppbv

RT: 9.963 min Scan# 3049

Delta R.T. 0.006 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

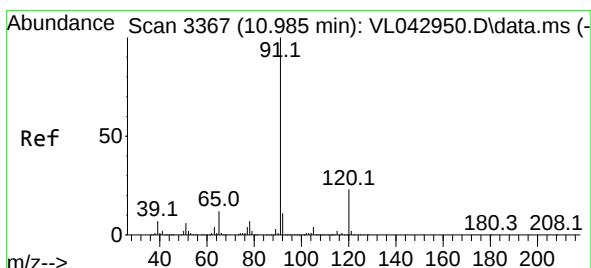
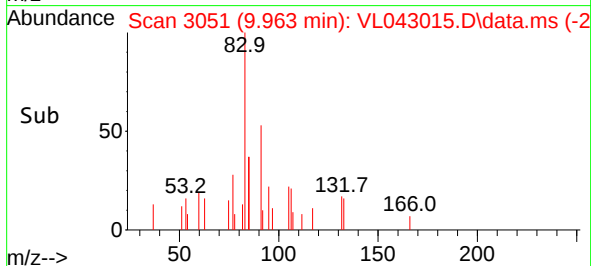
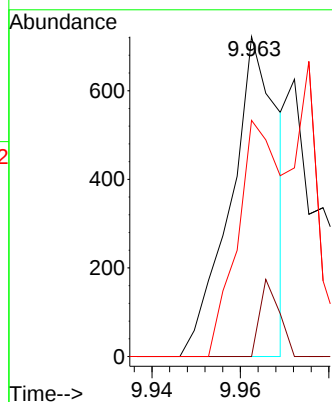
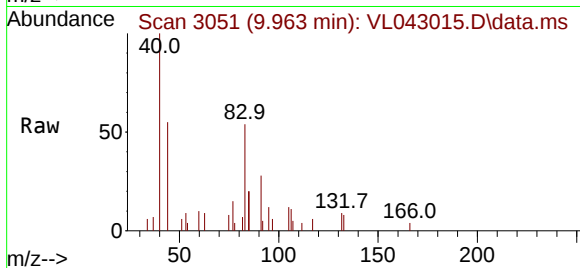
Tgt Ion: 83 Resp: 540

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 0.0 32.2 96.6#



#64

n-propylbenzene

Concen: 0.014 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.010 min

Lab File: VL043015.D

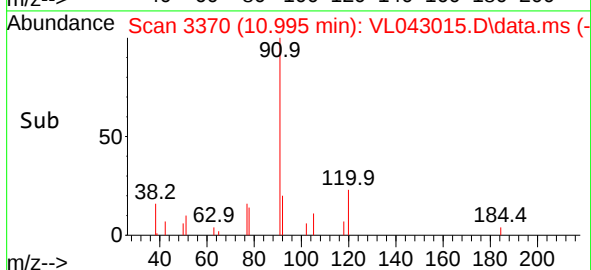
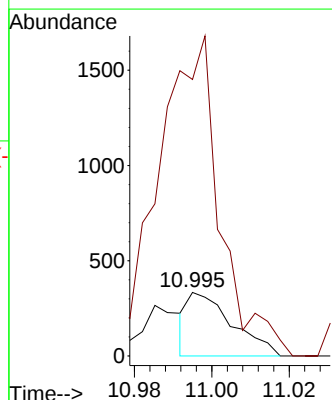
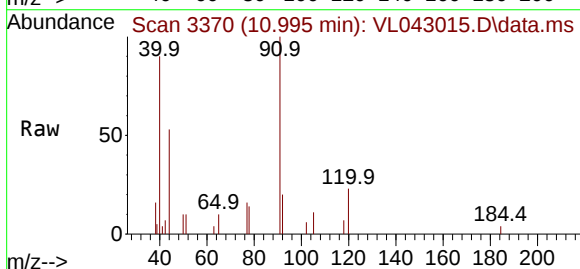
Acq: 24 Sep 2025 19:49

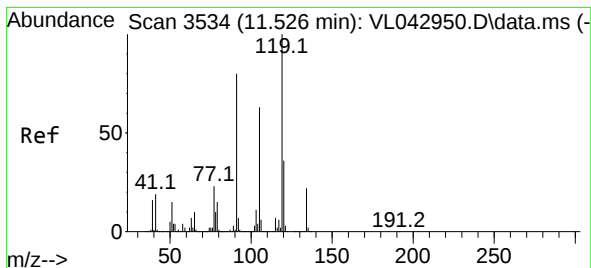
Tgt Ion: 120 Resp: 267

Ion Ratio Lower Upper

120 100

91 723.2 364.9 547.3#





#65

tert-Butylbenzene

Concen: 0.018 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.010 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

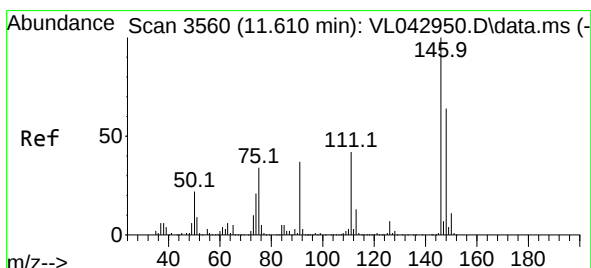
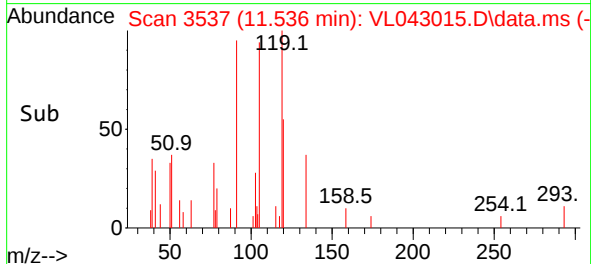
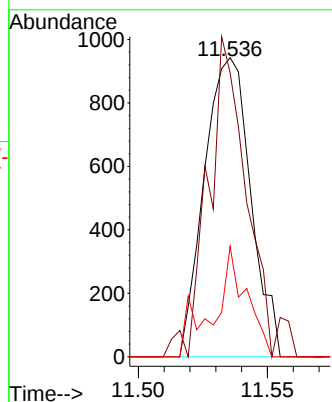
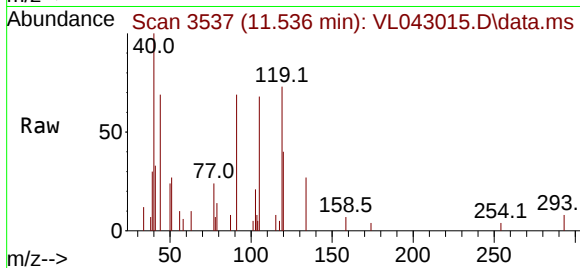
Tgt Ion:119 Resp: 1177

Ion Ratio Lower Upper

119 100

91 90.3 63.1 94.7

134 26.4 17.0 25.6#



#66

Benzyl Chloride

Concen: 0.005 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

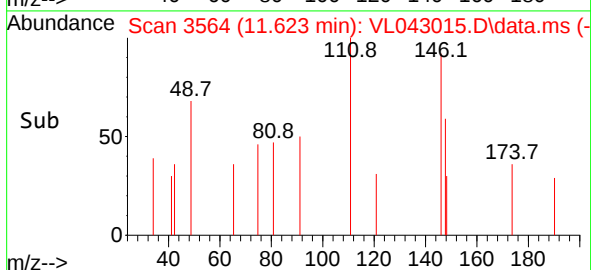
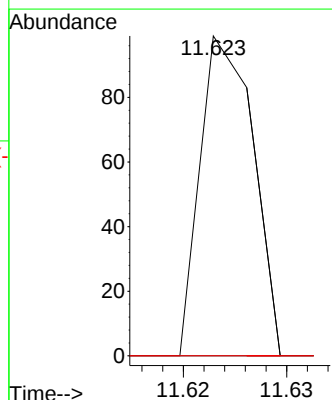
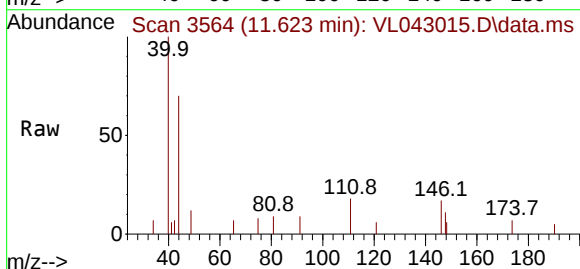
Tgt Ion: 91 Resp: 35

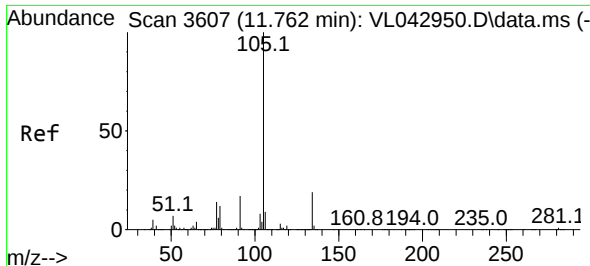
Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

128 0.0 5.0 7.4#

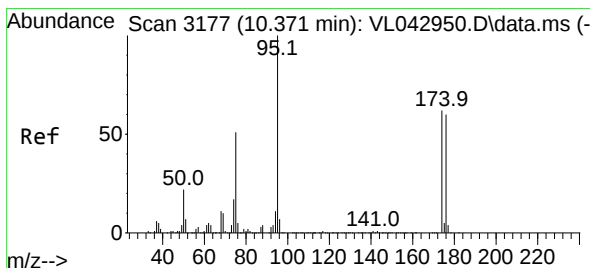
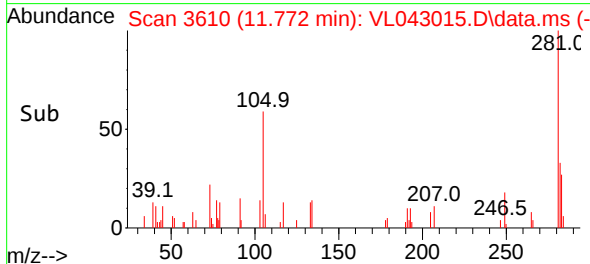
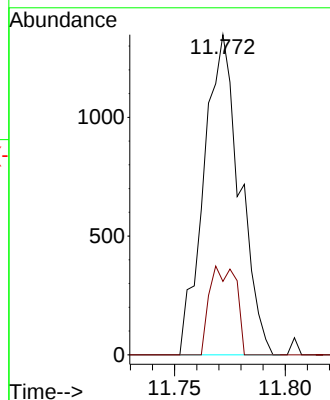
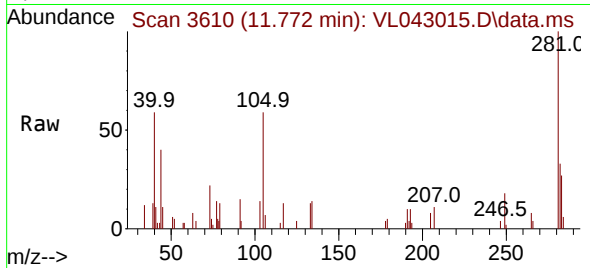




#67
 sec-Butylbenzene
 Concen: 0.017 ppbv
 RT: 11.772 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

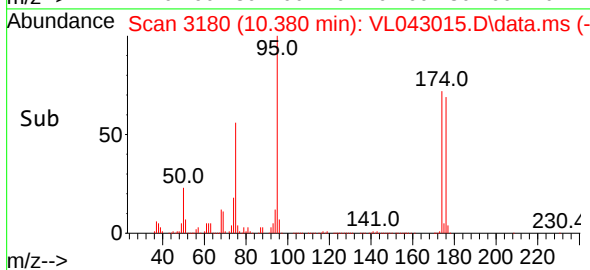
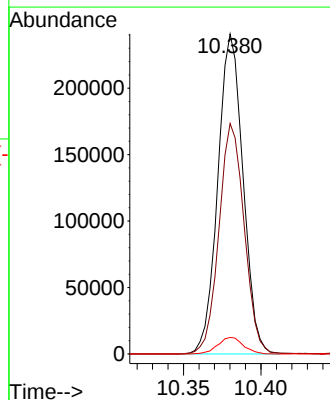
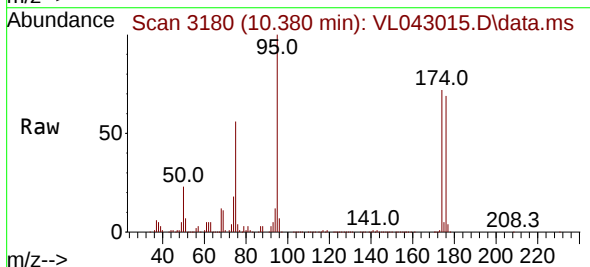
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

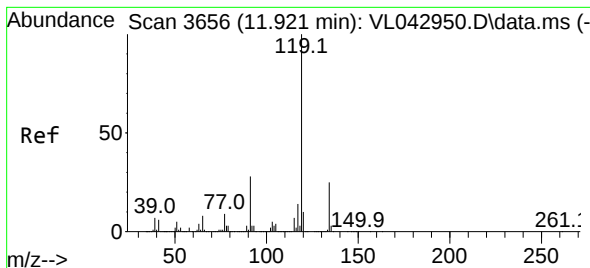
Tgt Ion:105 Resp: 1525
 Ion Ratio Lower Upper
 105 100
 134 20.5 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.735 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL043015.D
 Acq: 24 Sep 2025 19:49

Tgt Ion: 95 Resp: 272338
 Ion Ratio Lower Upper
 95 100
 174 72.4 51.4 77.2
 175 5.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.021 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

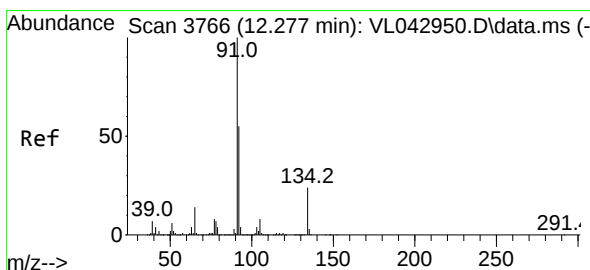
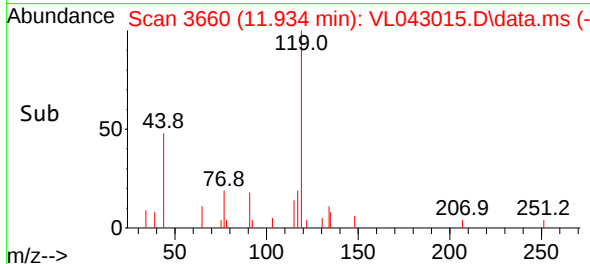
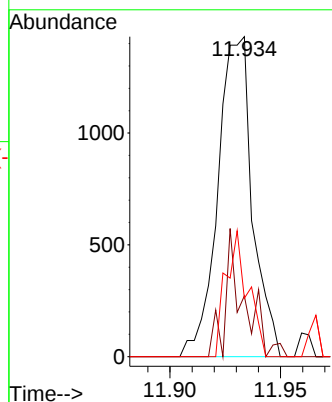
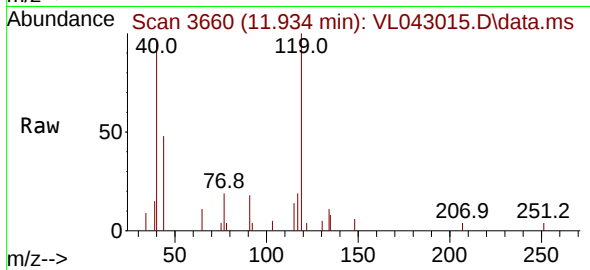
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	119	Resp:	1558
Ion	Ratio	Lower	Upper
119	100		
134	22.0	21.0	31.4
91	25.1	22.3	33.5



#70

n-Butylbenzene

Concen: 0.018 ppbv

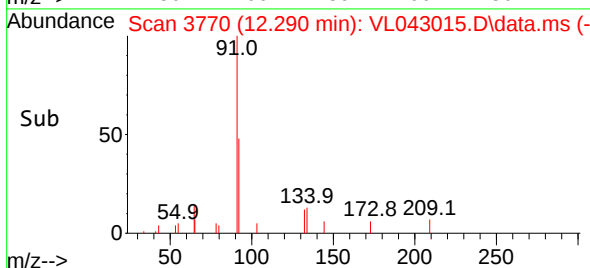
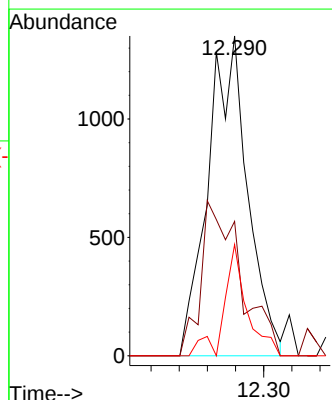
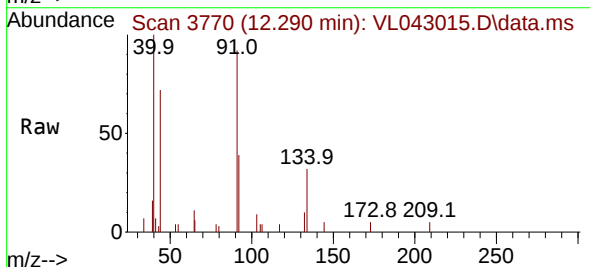
RT: 12.290 min Scan# 3770

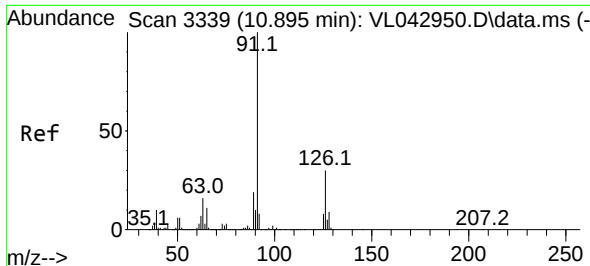
Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion:	91	Resp:	1318
Ion	Ratio	Lower	Upper
91	100		
92	51.2	44.0	66.0
134	20.2	19.4	29.2

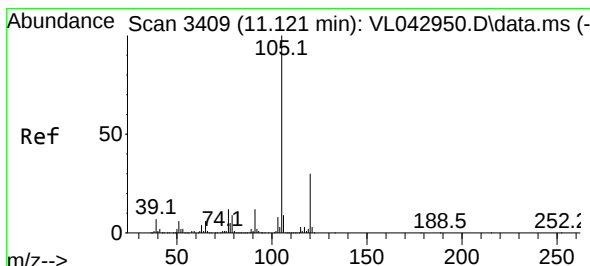
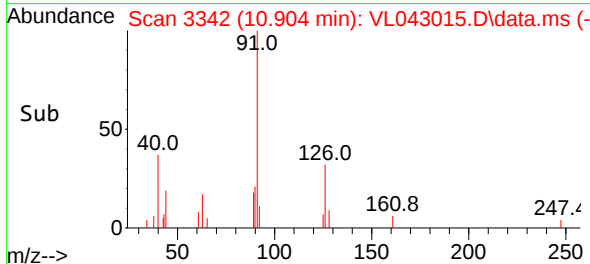
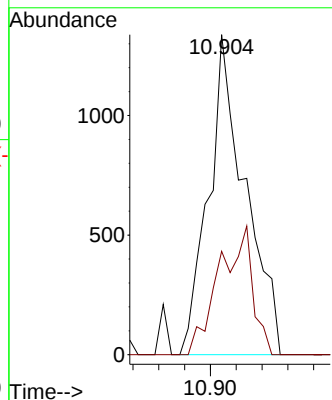
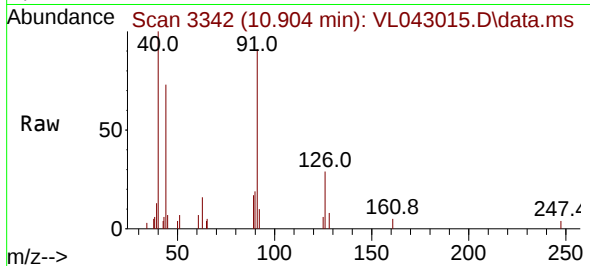




#71
2-Chlorotoluene
Concen: 0.024 ppbv
RT: 10.904 min Scan# 3117
Delta R.T. 0.010 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

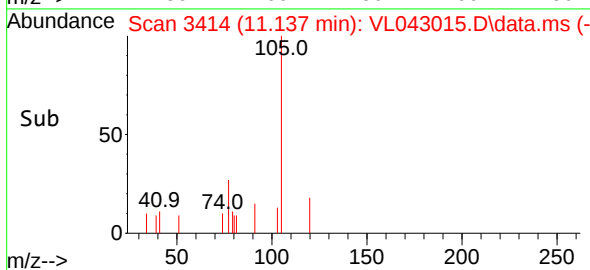
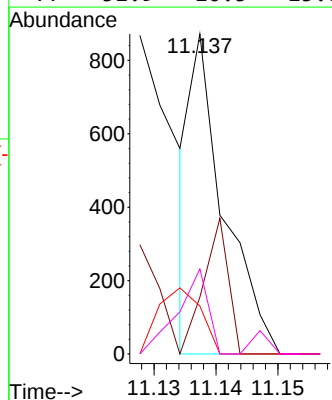
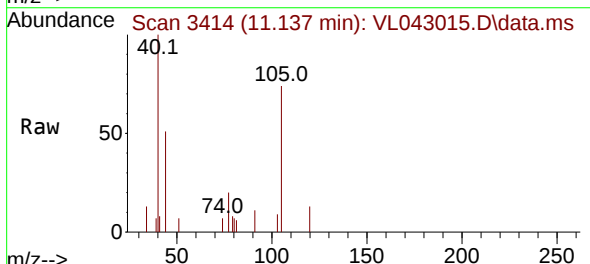
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

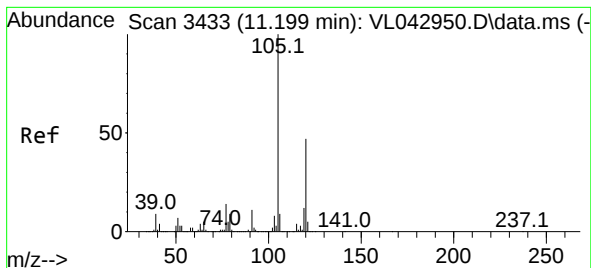
Tgt Ion: 91 Resp: 1317
Ion Ratio Lower Upper
91 100
126 36.8 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.005 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. 0.016 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion: 105 Resp: 322
Ion Ratio Lower Upper
105 100
120 74.5 24.2 36.2#
91 50.6 10.0 15.0#
77 51.9 10.5 15.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.003 ppbv

RT: 11.215 min Scan# 3433

Delta R.T. 0.016 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

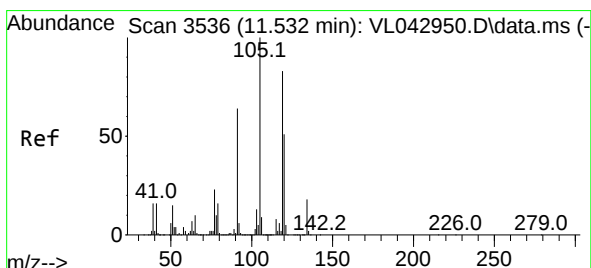
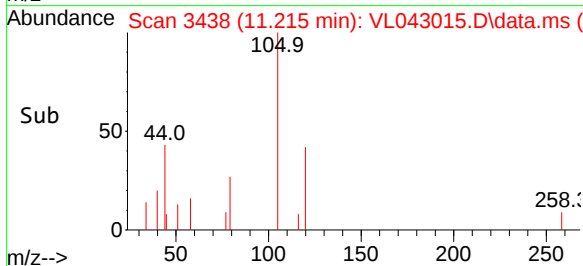
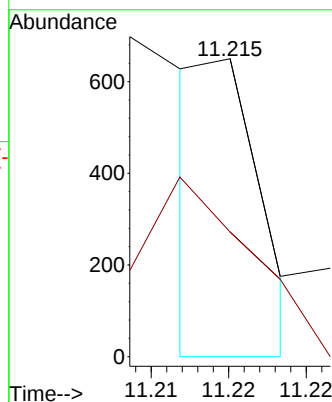
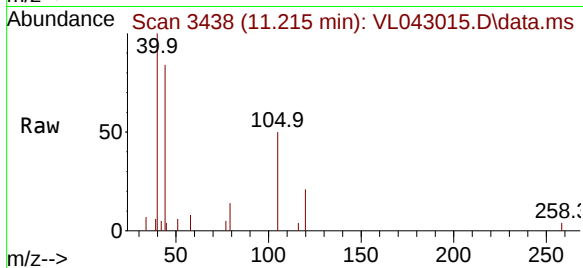
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 160

Ion Ratio Lower Upper

105 100

120 21.7 38.0 57.0#



#74

1,2,4-Trimethylbenzene

Concen: 0.017 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion:105 Resp: 929

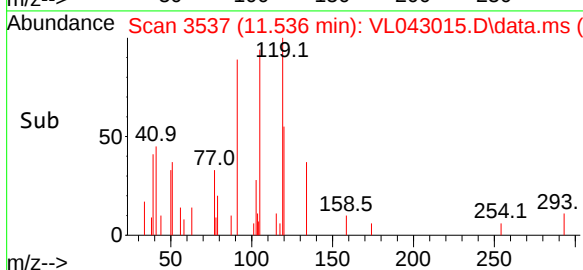
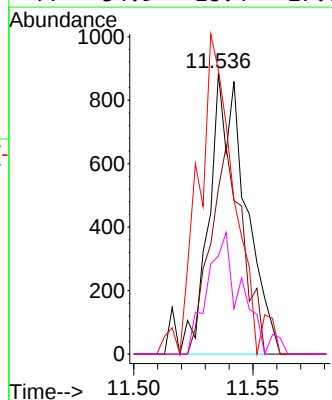
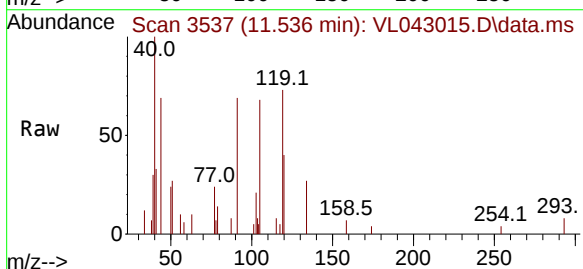
Ion Ratio Lower Upper

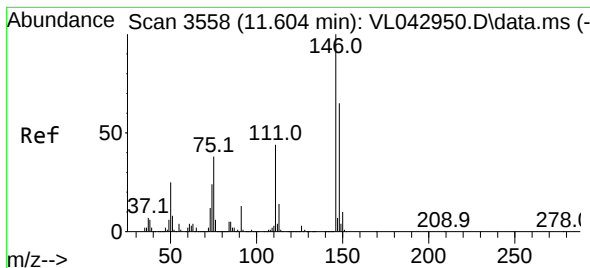
105 100

120 59.0 40.9 61.3

91 101.0 51.2 76.8#

77 34.9 18.4 27.6#





#75

1,3-Dichlorobenzene

Concen: 0.026 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.013 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

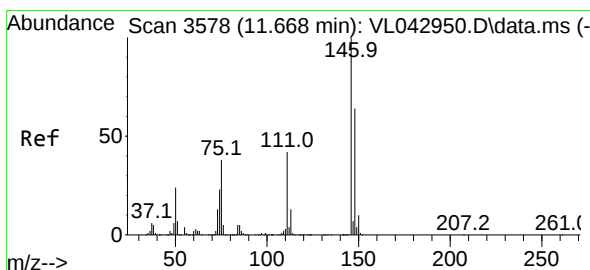
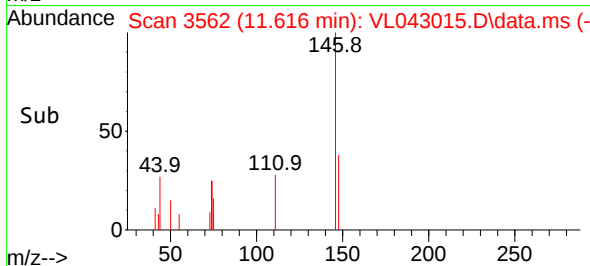
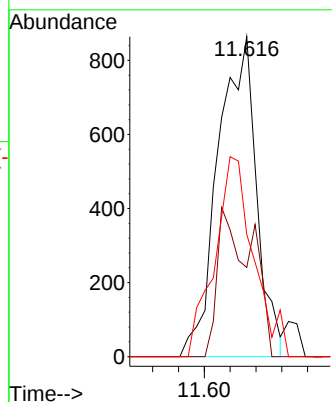
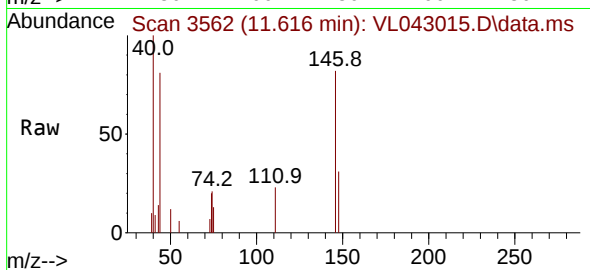
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:146	Resp:	893
Ion	Ratio	Lower Upper
146	100	
111	41.2	22.3 66.9
148	63.3	31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.007 ppbv

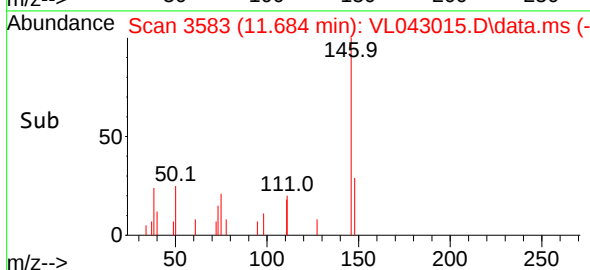
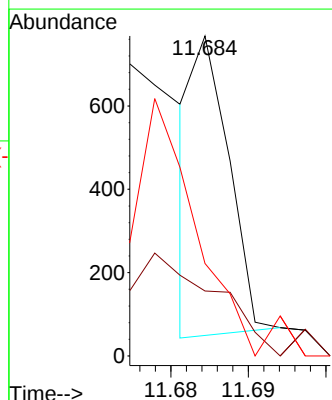
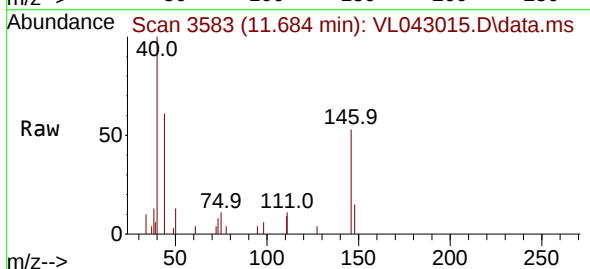
RT: 11.684 min Scan# 3583

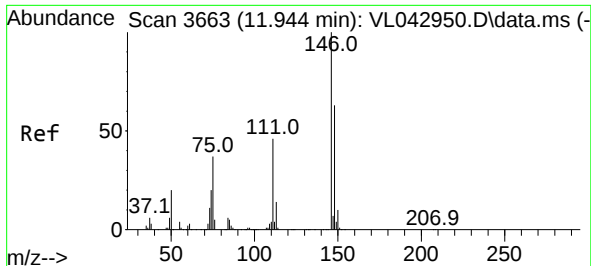
Delta R.T. 0.016 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion:146	Resp:	226
Ion	Ratio	Lower Upper
146	100	
111	0.0	21.5 64.5#
148	0.0	31.9 95.5#

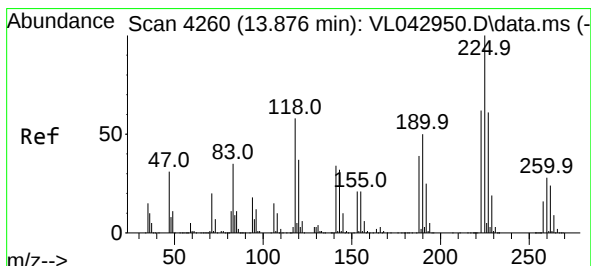
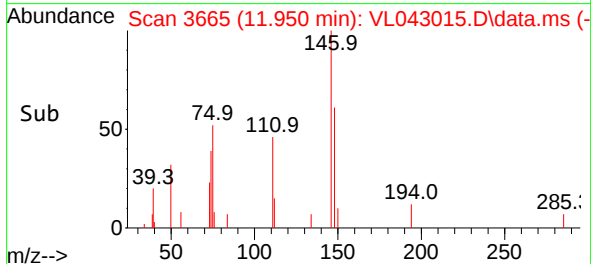
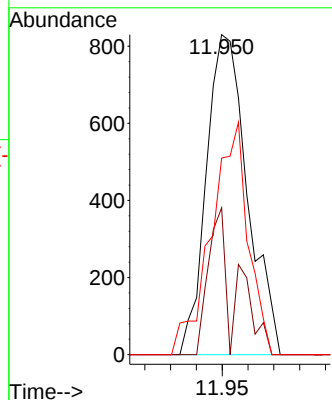
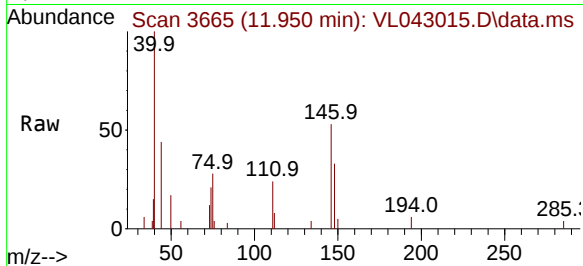




#77
1,2-Dichlorobenzene
Concen: 0.029 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

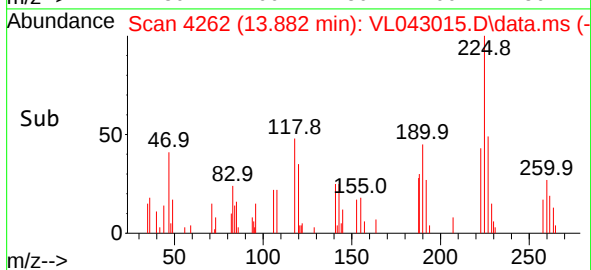
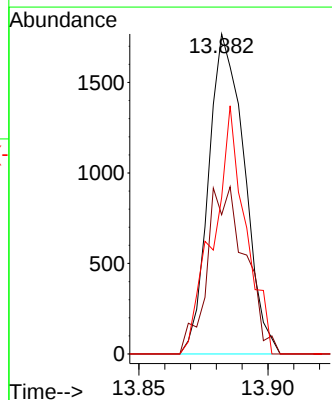
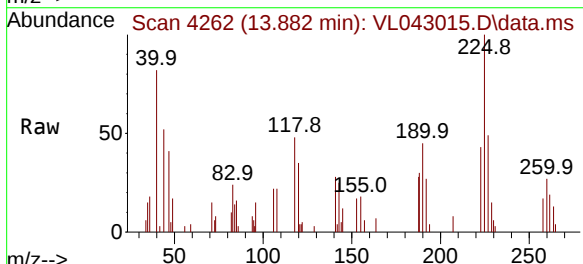
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

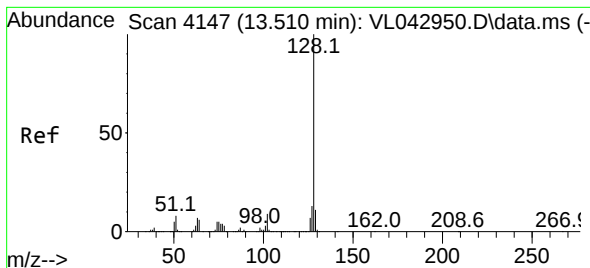
Tgt Ion:	146	Resp:	918
Ion	Ratio	Lower	Upper
146	100		
111	30.6	23.1	69.3
148	65.0	32.0	96.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.068 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.006 min
Lab File: VL043015.D
Acq: 24 Sep 2025 19:49

Tgt Ion:	225	Resp:	1703
Ion	Ratio	Lower	Upper
225	100		
223	56.6	50.1	75.1
227	69.8	50.4	75.6





#79

Naphthalene

Concen: 0.015 ppbv

RT: 13.520 min Scan# 4147

Delta R.T. 0.009 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

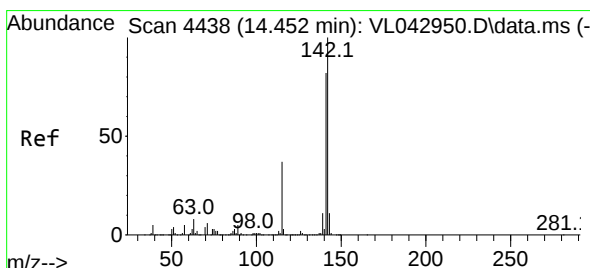
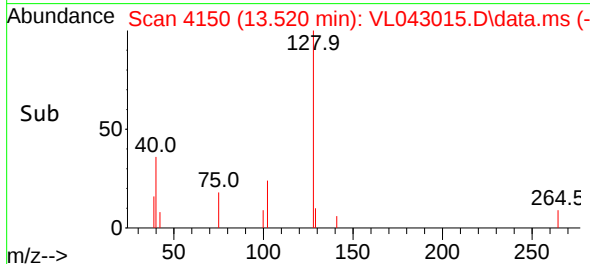
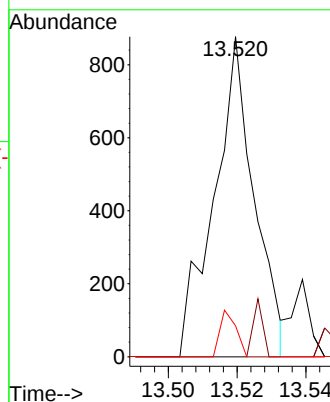
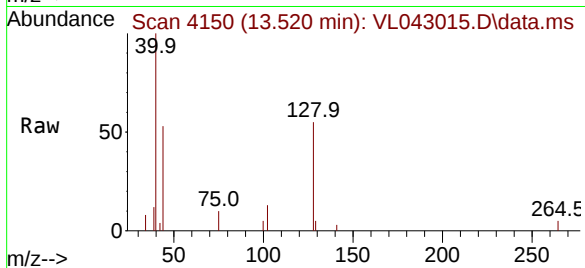
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	128	Resp:	709
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.6	15.8#
129	9.7	9.0	13.6



#80

Naphthalene,2-methyl-

Concen: 0.054 ppbv

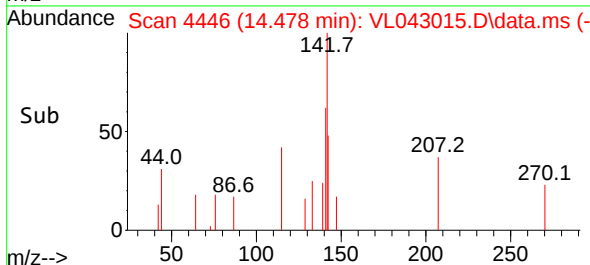
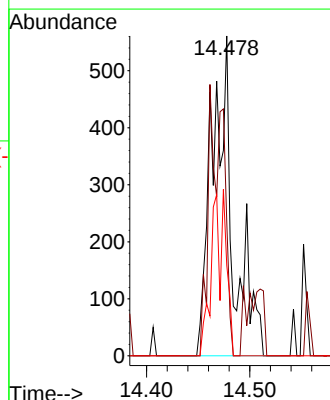
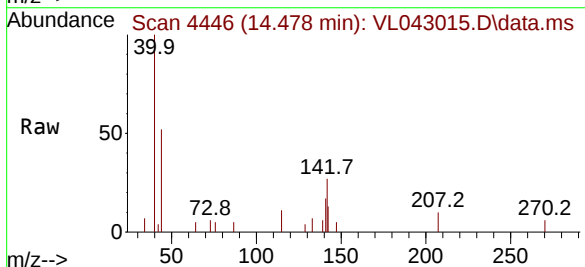
RT: 14.478 min Scan# 4446

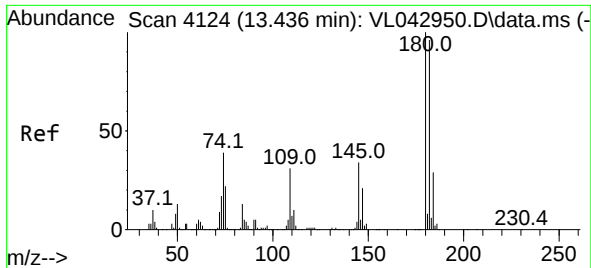
Delta R.T. 0.026 min

Lab File: VL043015.D

Acq: 24 Sep 2025 19:49

Tgt Ion:	142	Resp:	800
Ion Ratio	Lower	Upper	
142	100		
141	60.3	65.1	97.7#
115	34.3	28.9	43.3





#81

1,2,4-Trichlorobenzene

Concen: 0.017 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL043015.D

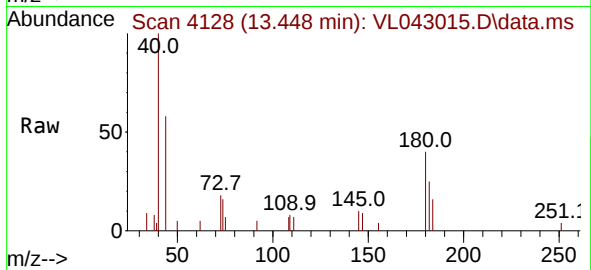
Acq: 24 Sep 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025



Tgt Ion:180 Resp: 445

Ion Ratio Lower Upper

180 100

182 80.9 75.7 113.5

184 24.5 23.9 35.9

