

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043013.D
 Acq On : 24 Sep 2025 17:24
 Operator : SY/MD
 Sample : Q2893-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 25 03:23:45 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	146606	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	439023	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	383142	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	285639	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9604	0.487	ppbv	91
3) Chlorodifluoromethane	1.476	51	11786	0.480	ppbv	100
4) Chloromethane	1.534	50	4067	0.456	ppbv	91
5) Vinyl Chloride	1.583	62	3549	0.440	ppbv	93
6) Bromomethane	1.670	94	1485	0.522	ppbv	96
7) Chloroethane	1.706	64	1386	0.442	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	7961	0.473	ppbv	87
9) Propene	1.486	41	4133	0.387	ppbv	90
10) Heptane	4.981	43	8839m	0.310	ppbv	
11) Trichlorofluoromethane	1.881	101	9975	0.525	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	7877	0.512	ppbv	88
13) Ethanol	1.725	45	744	0.717	ppbv #	35
14) Bromoethene	1.784	108	2780	0.478	ppbv #	95
15) Acetone	1.839	43	10944	0.573	ppbv	93
16) 1,3-Butadiene	1.609	39	4567	0.507	ppbv	83
17) tert-Butyl alcohol	2.043	59	8136	0.388	ppbv	98
18) 1,1-Dichloroethene	2.036	96	3426	0.481	ppbv	89
19) Isopropyl Alcohol	1.890	45	5421	0.472	ppbv #	58
20) Methylene Chloride	2.065	84	4925	0.616	ppbv	94
21) Allyl Chloride	2.098	41	5734	0.431	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	3934	0.486	ppbv	83
23) Vinyl Acetate	2.463	43	10597	0.388	ppbv #	90
24) 1,1-Dichloroethane	2.415	63	7771	0.489	ppbv	98
25) Ethyl Acetate	2.842	43	17686	0.366	ppbv #	98
26) Hexane	2.832	57	7522	0.342	ppbv #	83
27) Carbon Disulfide	2.153	76	7897	0.400	ppbv #	22
28) Methyl tert-Butyl Ether	2.444	73	4202	0.367	ppbv	99
29) Chloroform	2.852	83	13903	0.483	ppbv	94
30) Cyclohexane	3.865	84	5885	0.320	ppbv	95
31) cis-1,2-Dichloroethene	2.726	61	8638	0.419	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	12139	0.391	ppbv	93
34) 2-Butanone	2.564	43	13819	0.449	ppbv	96
35) Carbon Tetrachloride	3.771	117	13455m	0.471	ppbv	
36) Benzene	3.661	78	17208	0.417	ppbv #	92
37) 1,2-Dichloroethane	3.221	62	10411	0.480	ppbv	97
38) Trichloroethene	4.554	130	9308	0.454	ppbv #	88
39) 1,2-Dichloropropane	4.321	63	6975m	0.463	ppbv	
40) 1,4-Dioxane	4.600	88	2520m	0.360	ppbv	
41) Tetrahydrofuran	3.069	42	6187m	0.350	ppbv	
42) Bromodichloromethane	4.496	83	13529	0.448	ppbv #	95
43) Methyl Methacrylate	4.884	69	4961m	0.294	ppbv	
44) 2,2,4-Trimethylpentane	4.642	57	25349	0.356	ppbv #	93
45) t-1,3-Dichloropropene	6.419	75	5342m	0.297	ppbv	

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

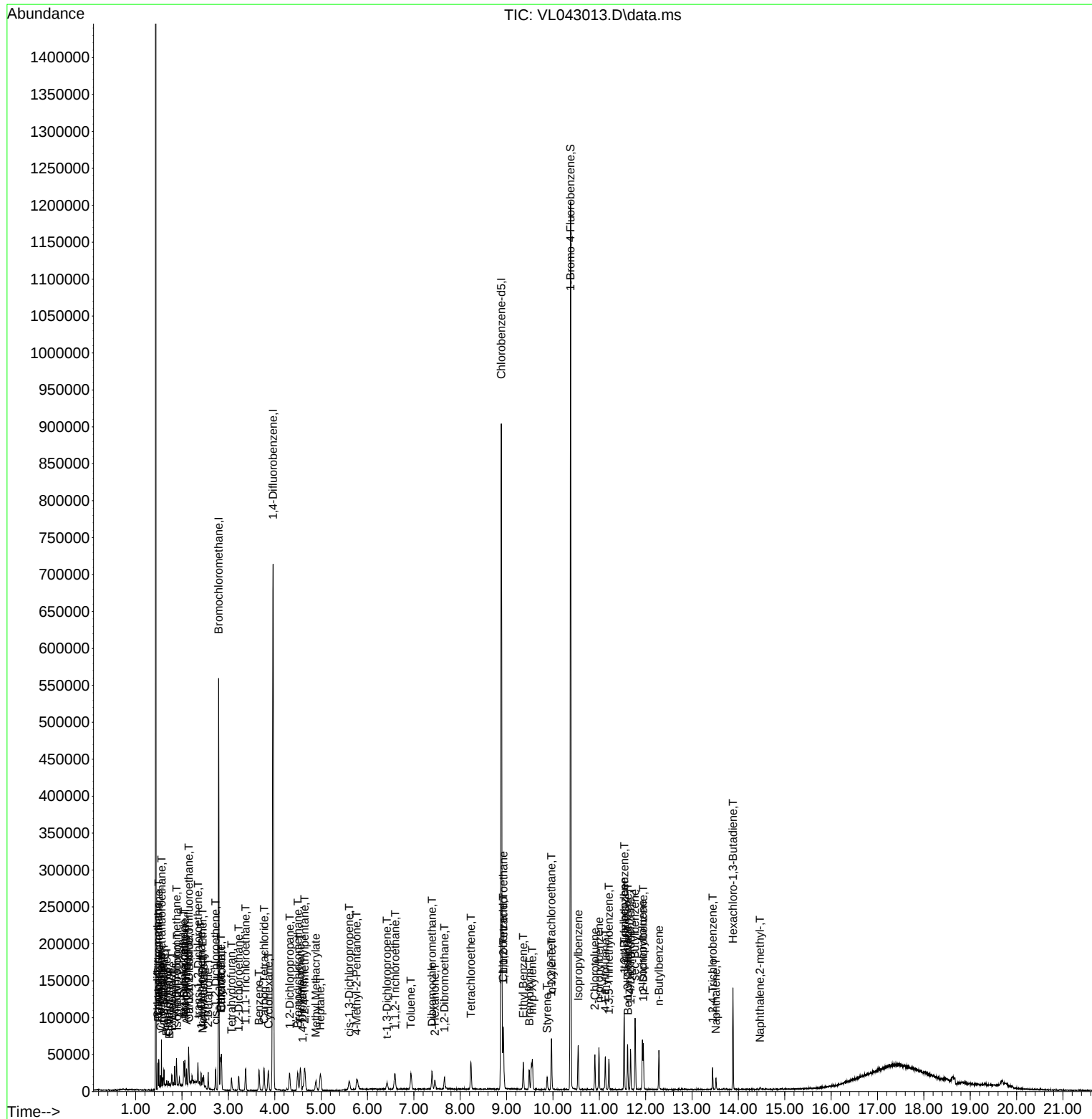
46) cis-1,3-Dichloropropene	5.603	75	7130m	0.311	ppbv	
47) 1,1,2-Trichloroethane	6.597	97	7252m	0.456	ppbv	
48) Dibromochloromethane	7.390	129	11249	0.442	ppbv	98
49) Bromoform	9.490	173	9462m	0.428	ppbv	
50) 4-Methyl-2-Pentanone	5.765	43	13280m	0.322	ppbv	
51) 2-Hexanone	7.454	43	8811m	0.268	ppbv	
52) Tetrachloroethene	8.231	164	7175	0.450	ppbv #	89
53) Toluene	6.936	91	15755	0.323	ppbv	98
54) 1,2-Dibromoethane	7.661	107	9323	0.417	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	9120	0.497	ppbv #	1
57) Chlorobenzene	8.927	112	16664	0.476	ppbv #	87
58) Ethyl Benzene	9.357	91	19238	0.306	ppbv	97
59) m/p-Xylene	9.555	91	30912m	0.623	ppbv	
60) o-Xylene	9.969	91	15409	0.311	ppbv	98
61) Styrene	9.872	104	6855	0.292	ppbv	91
62) Isopropylbenzene	10.545	105	25161	0.341	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.966	83	11996	0.460	ppbv	98
64) n-propylbenzene	10.992	120	6495	0.336	ppbv	91
65) tert-Butylbenzene	11.536	119	20223	0.308	ppbv	98
66) Benzyl Chloride	11.617	91	1222	0.177	ppbv #	91
67) sec-Butylbenzene	11.769	105	29325	0.320	ppbv	100
69) p-Isopropyltoluene	11.931	119	22416	0.290	ppbv	99
70) n-Butylbenzene	12.287	91	18961	0.251	ppbv	95
71) 2-Chlorotoluene	10.905	91	18550	0.332	ppbv	97
72) 4-Ethyltoluene	11.128	105	17654	0.284	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.206	105	14917	0.296	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	16358	0.294	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	14588	0.423	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	13393	0.391	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	14194	0.433	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	14012	0.546	ppbv	99
79) Naphthalene	13.513	128	6922	0.141	ppbv #	95
80) Naphthalene,2-methyl-	14.465	142	1501	0.099	ppbv #	93
81) 1,2,4-Trichlorobenzene	13.445	180	5037	0.192	ppbv	90

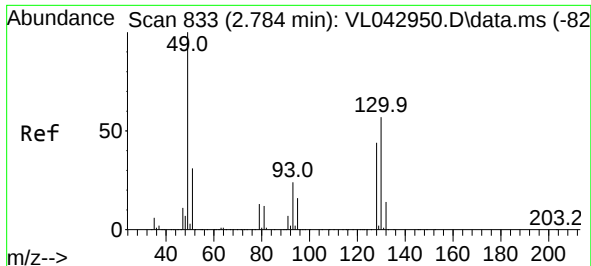
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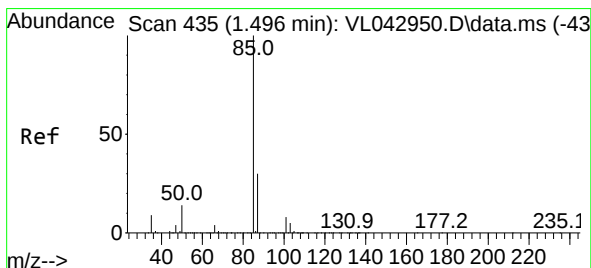
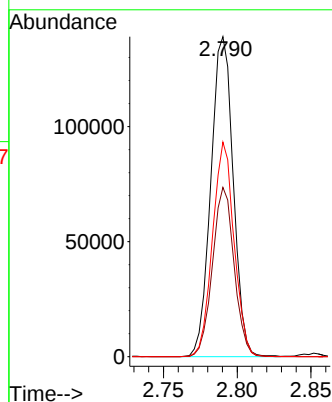
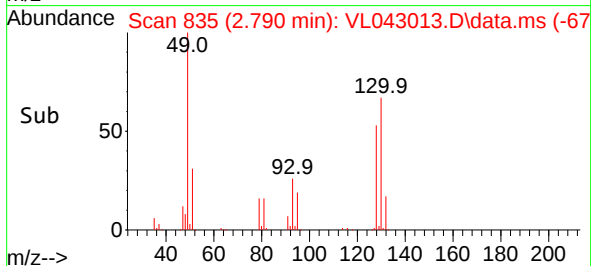
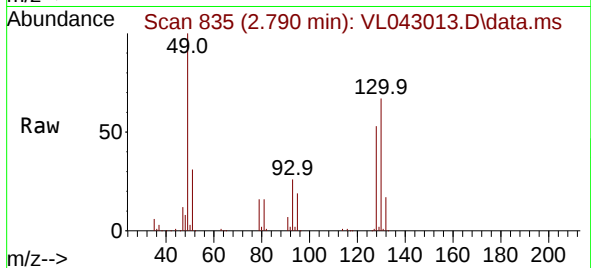




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

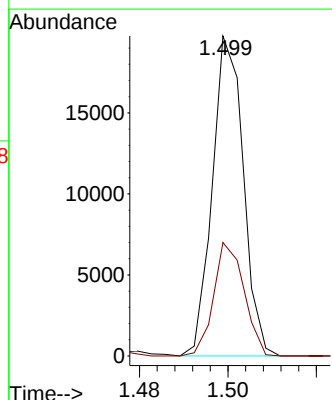
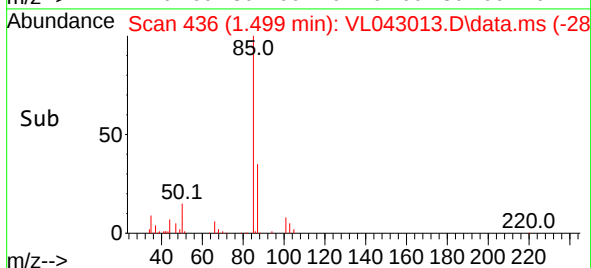
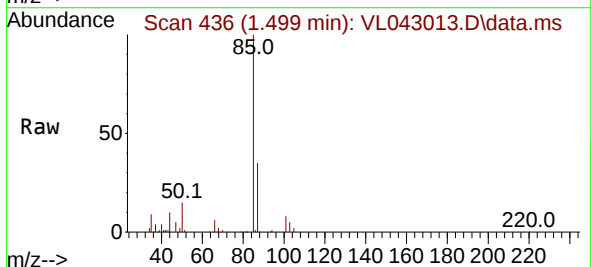
Instrument :
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 ClientSampleId :
 MDL-AIR-03-QT3-2025

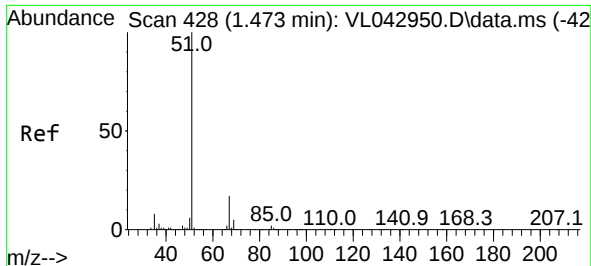
Tgt Ion: 49 Resp: 146606
 Ion Ratio Lower Upper
 49 100
 128 51.2 22.9 68.8
 130 64.6 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 0.487 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion: 85 Resp: 9604
 Ion Ratio Lower Upper
 85 100
 87 35.4 24.3 36.5

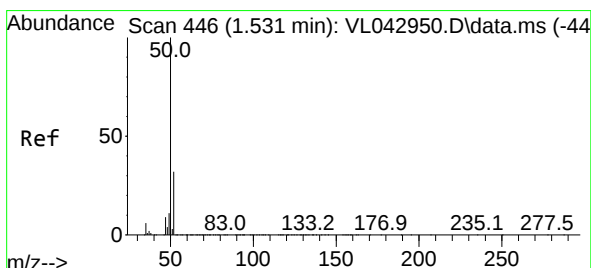
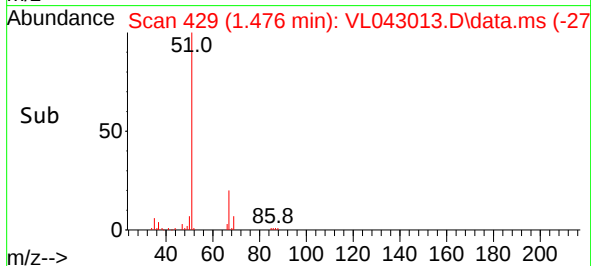
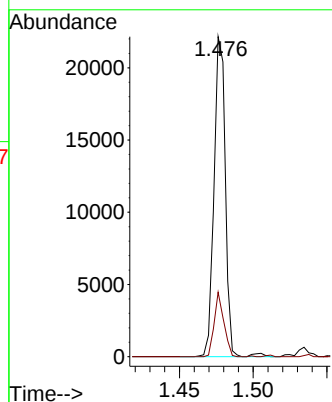
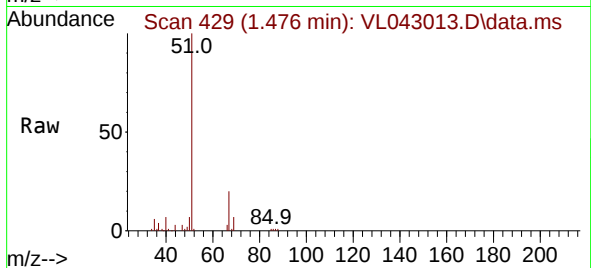




#3
Chlorodifluoromethane
Concen: 0.480 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

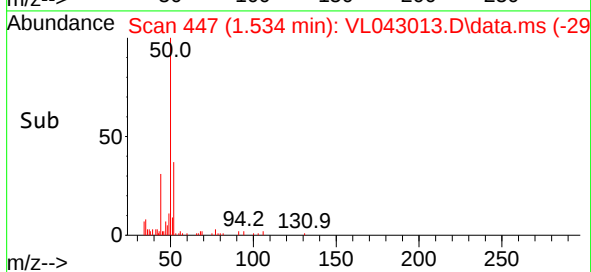
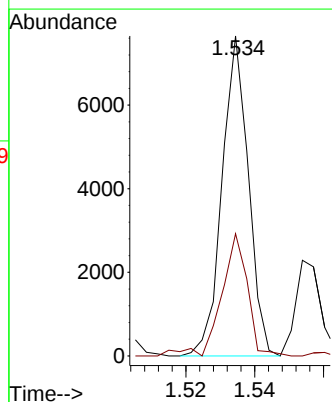
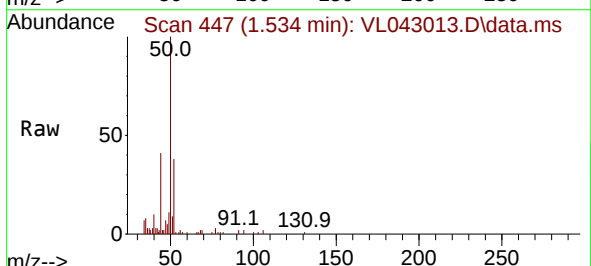
Instrument :
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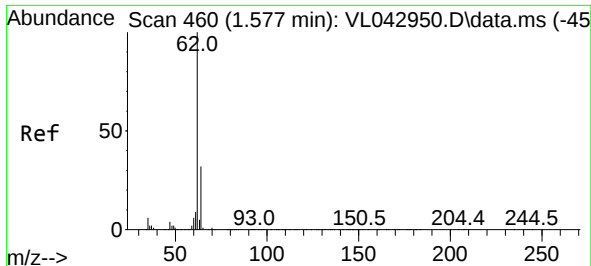
Tgt Ion: 51 Resp: 11786
Ion Ratio Lower Upper
51 100
67 17.5 13.8 20.8



#4
Chloromethane
Concen: 0.456 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 50 Resp: 4067
Ion Ratio Lower Upper
50 100
52 37.5 25.9 38.9

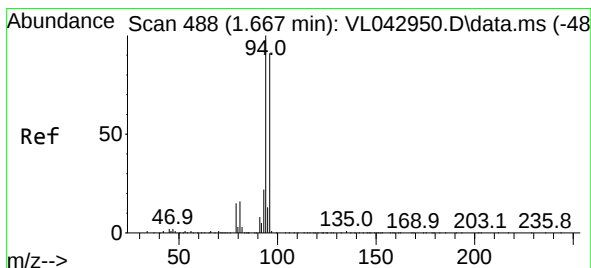
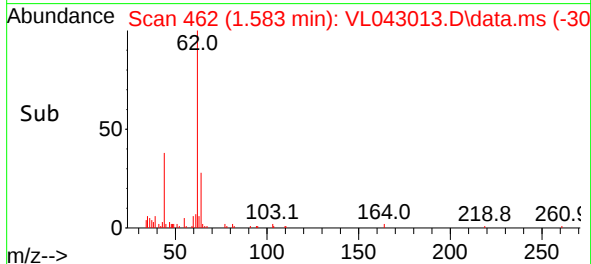
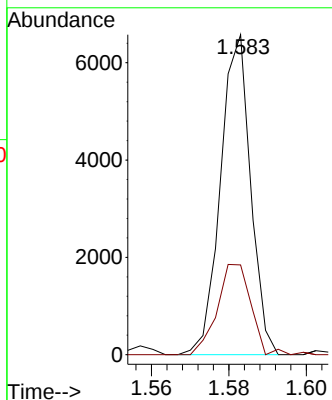
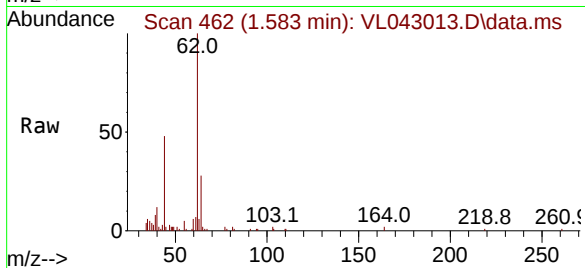




#5
 Vinyl Chloride
 Concen: 0.440 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

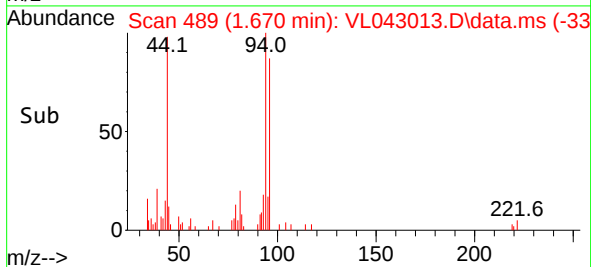
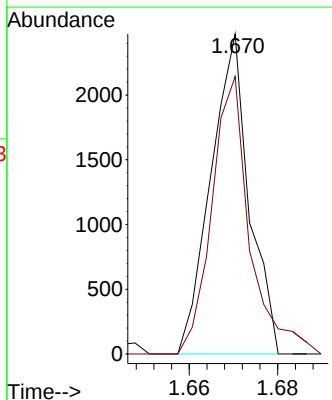
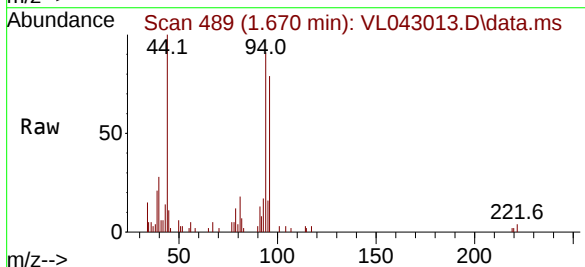
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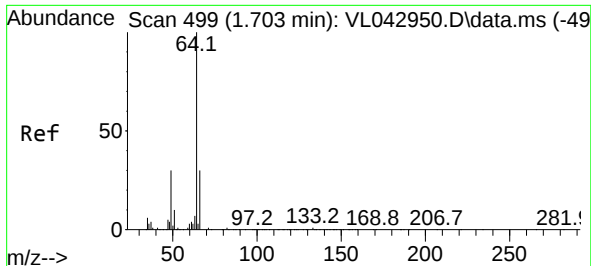
Tgt Ion: 62 Resp: 3549
 Ion Ratio Lower Upper
 62 100
 64 28.1 25.4 38.2



#6
 Bromomethane
 Concen: 0.522 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion: 94 Resp: 1485
 Ion Ratio Lower Upper
 94 100
 96 86.7 72.6 108.8

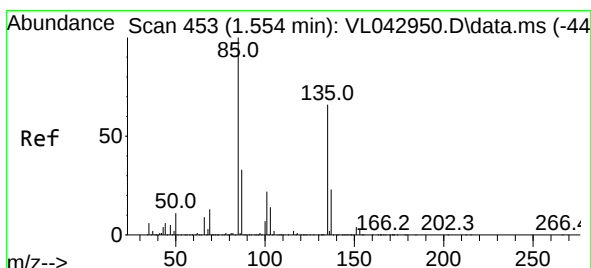
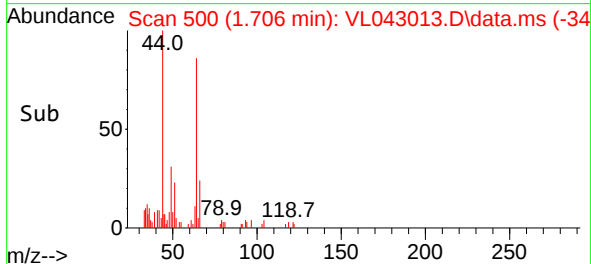
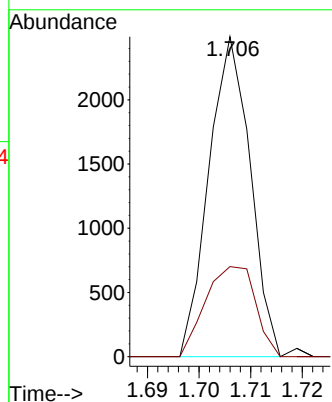
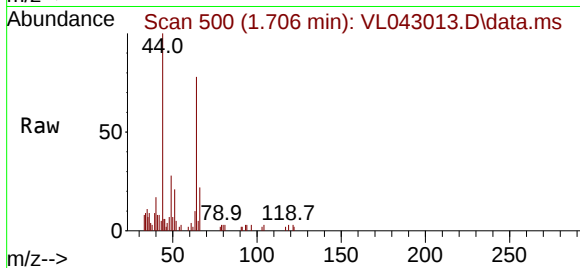




#7
Chloroethane
Concen: 0.442 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

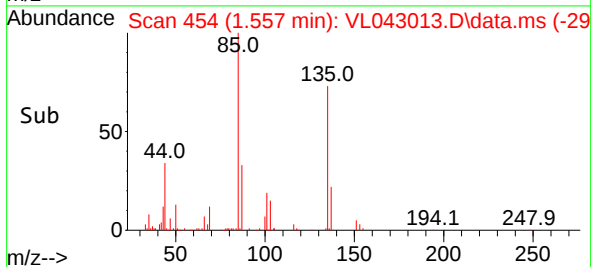
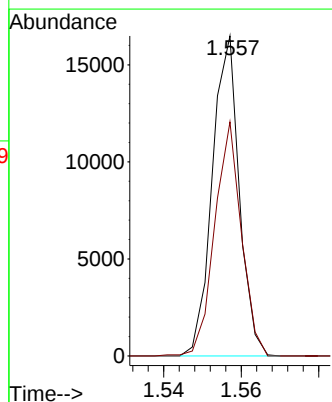
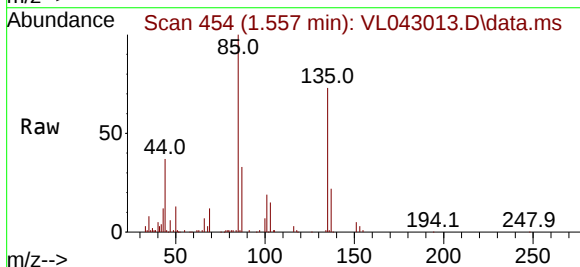
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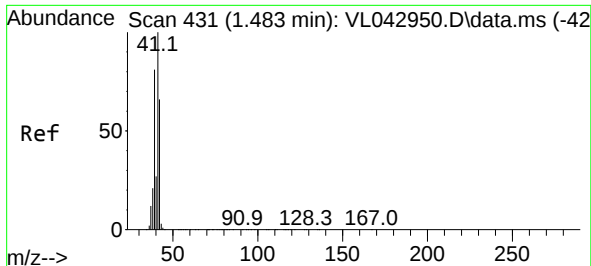
Tgt Ion: 64 Resp: 1386
Ion Ratio Lower Upper
64 100
66 28.1 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 0.473 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 85 Resp: 7961
Ion Ratio Lower Upper
85 100
135 72.5 49.7 74.5





#9

Propene

Concen: 0.387 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

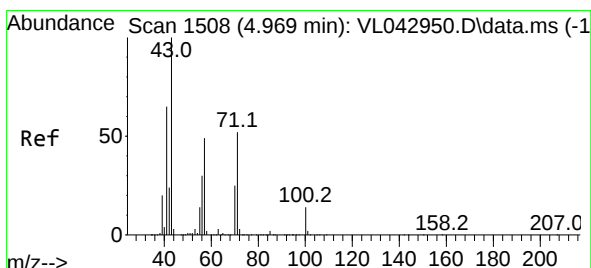
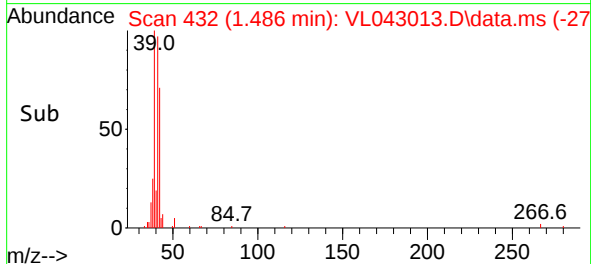
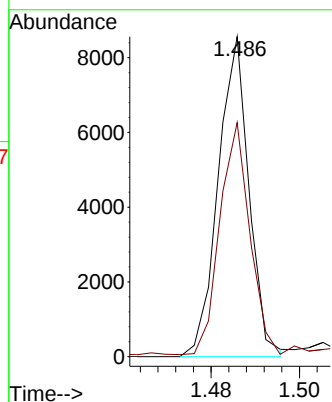
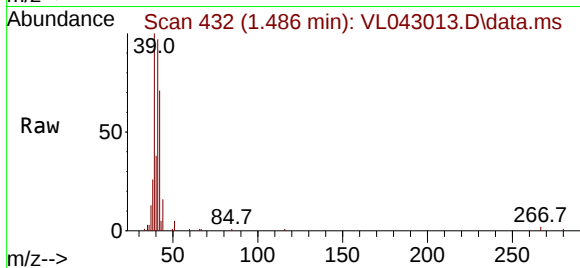
MDL-AIR-03-QT3-2025

Tgt Ion: 41 Resp: 4133

Ion Ratio Lower Upper

41 100

42 80.3 57.4 86.2



#10

Heptane

Concen: 0.310 ppbv m

RT: 4.981 min Scan# 1512

Delta R.T. 0.013 min

Lab File: VL043013.D

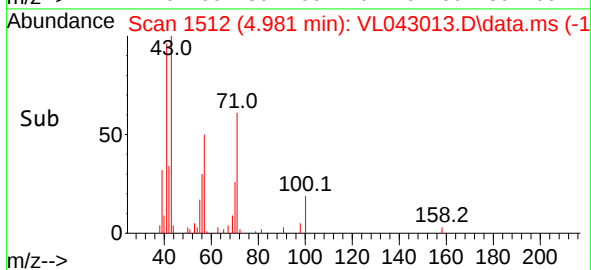
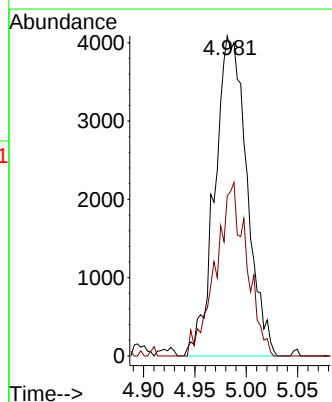
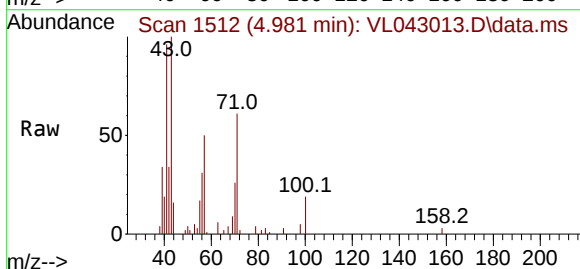
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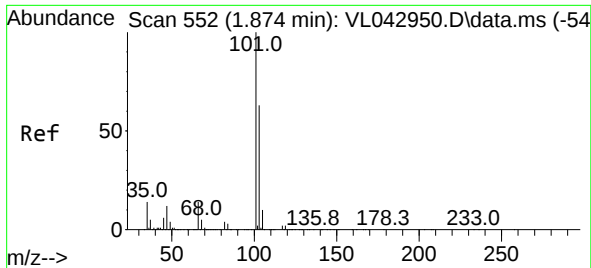
Tgt Ion: 43 Resp: 8839

Ion Ratio Lower Upper

43 100

57 52.6 38.6 57.8

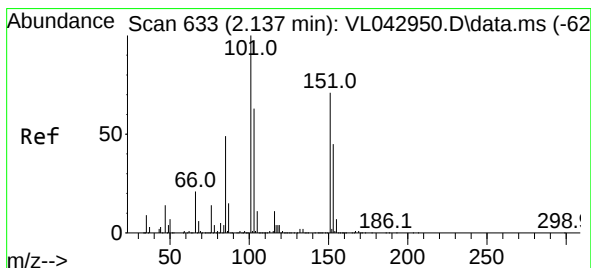
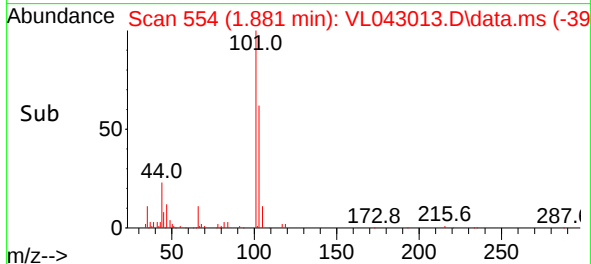
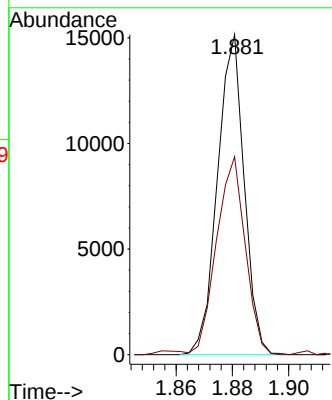
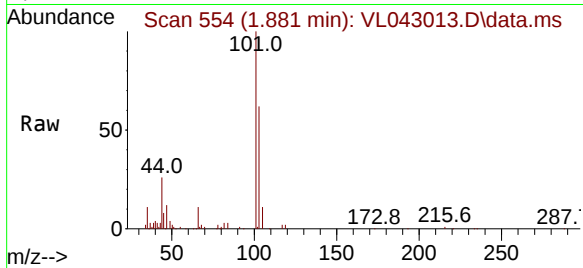




#11
 Trichlorofluoromethane
 Concen: 0.525 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

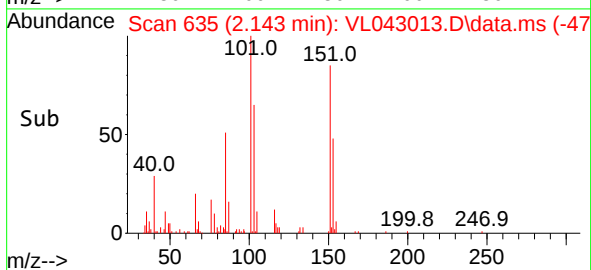
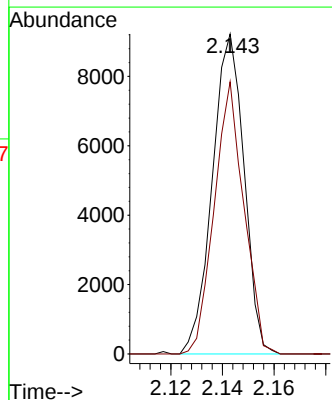
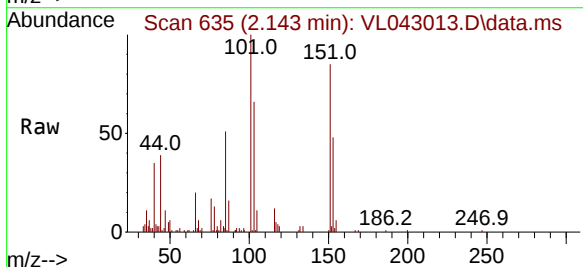
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

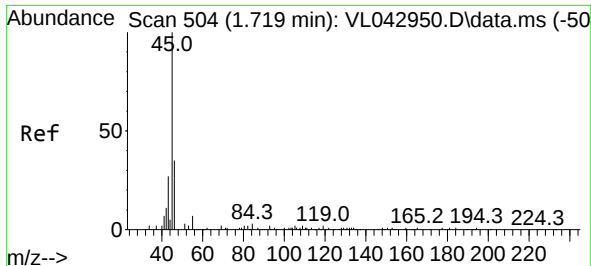
Tgt Ion:101 Resp: 9975
 Ion Ratio Lower Upper
 101 100
 103 61.9 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.512 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:101 Resp: 7877
 Ion Ratio Lower Upper
 101 100
 151 79.3 55.7 83.5

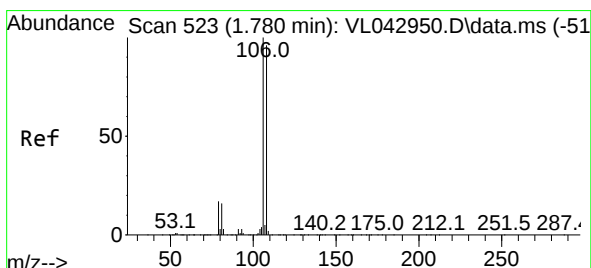
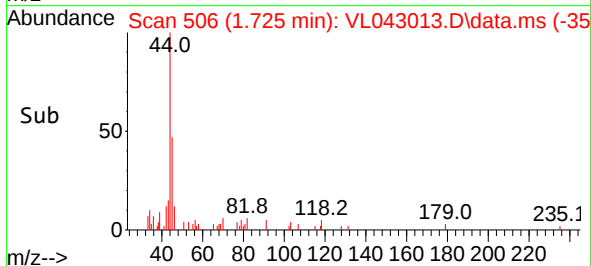
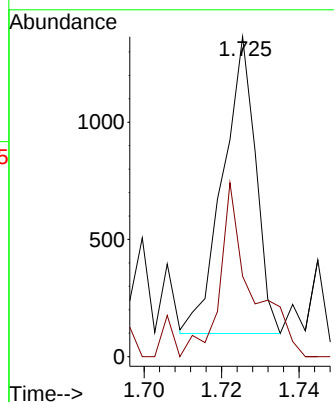
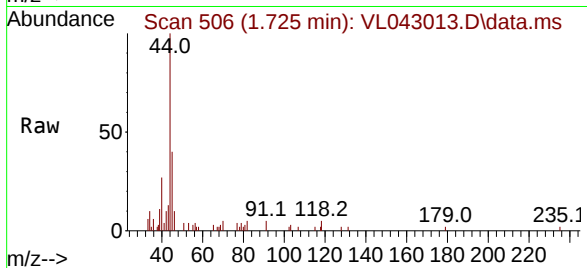




#13
Ethanol
Concen: 0.717 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

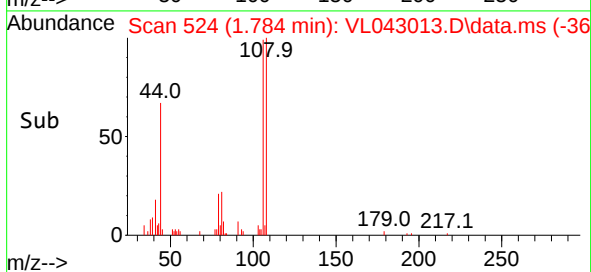
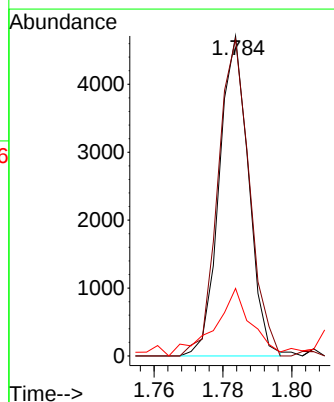
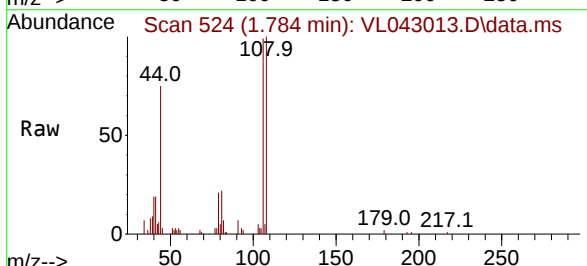
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

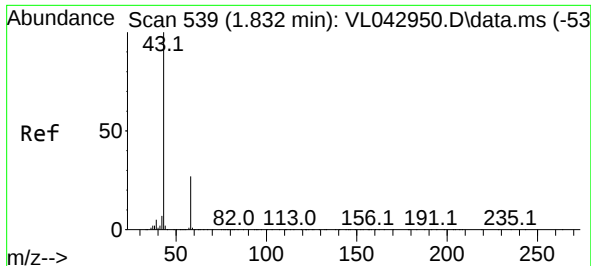
Tgt Ion: 45 Resp: 744
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#



#14
Bromoethene
Concen: 0.478 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 108 Resp: 2780
Ion Ratio Lower Upper
108 100
106 107.5 86.0 129.0
79 34.7 14.2 21.2#





#15

Acetone

Concen: 0.573 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_1

ClientSampleId :

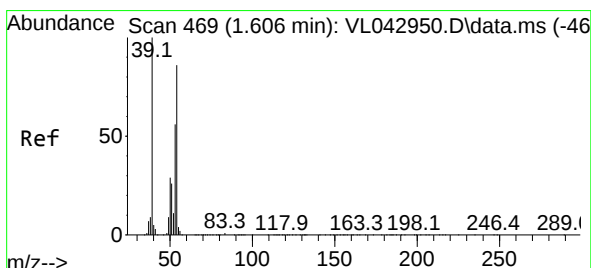
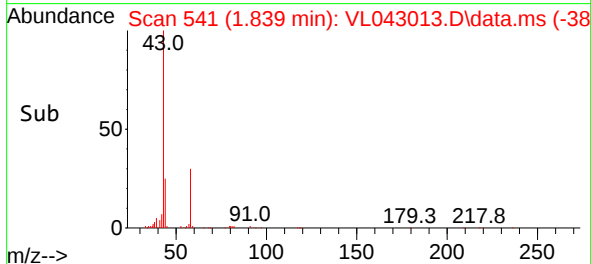
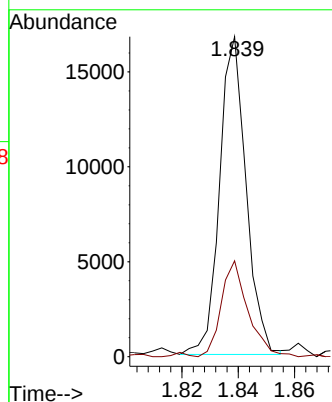
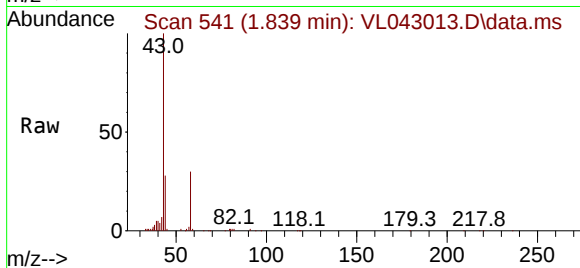
MDL-AIR-03-QT3-2025

Tgt Ion: 43 Resp: 10944

Ion Ratio Lower Upper

43 100

58 31.8 22.3 33.5



#16

1,3-Butadiene

Concen: 0.507 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL043013.D

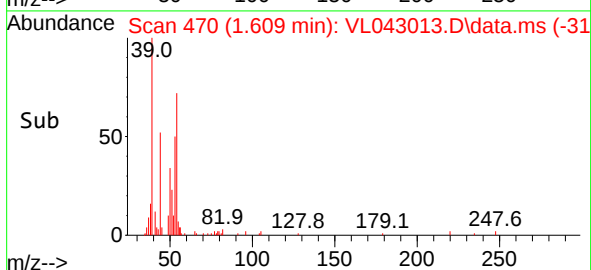
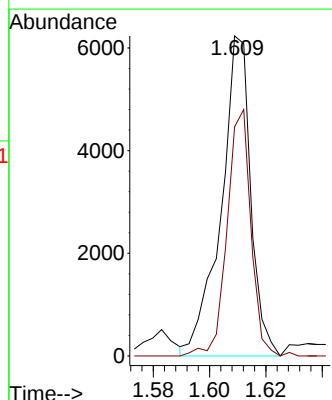
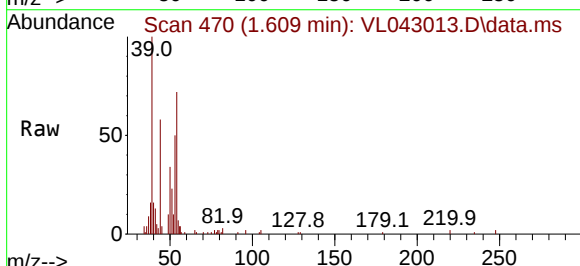
Acq: 24 Sep 2025 17:24

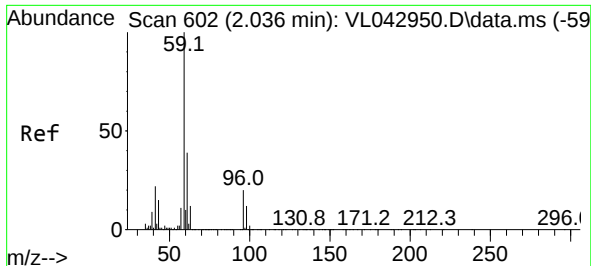
Tgt Ion: 39 Resp: 4567

Ion Ratio Lower Upper

39 100

54 61.8 60.8 91.2





#17

tert-Butyl alcohol

Concen: 0.388 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

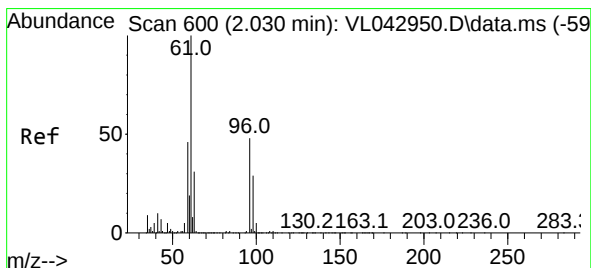
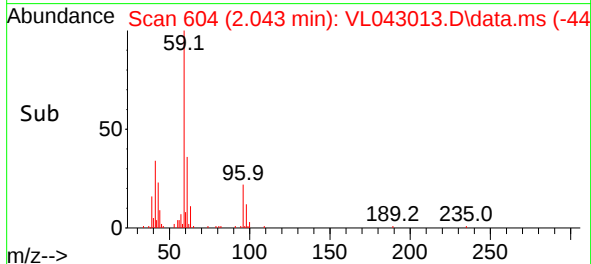
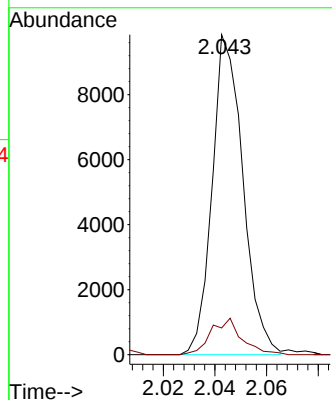
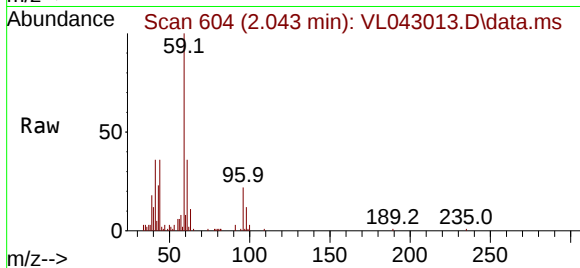
MDL-AIR-03-QT3-2025

Tgt Ion: 59 Resp: 8136

Ion Ratio Lower Upper

59 100

57 11.5 8.6 12.8



#18

1,1-Dichloroethene

Concen: 0.481 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

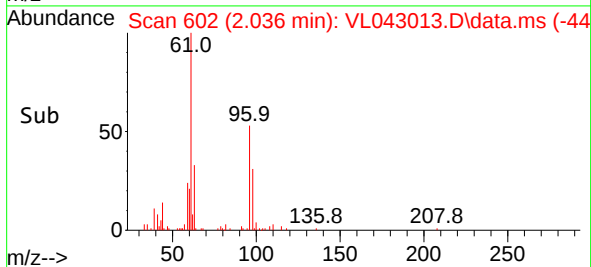
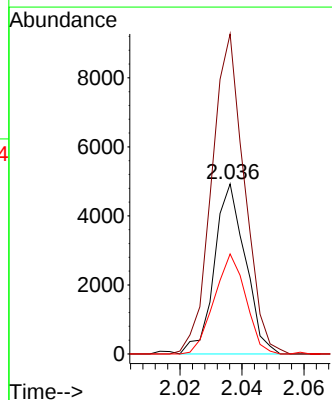
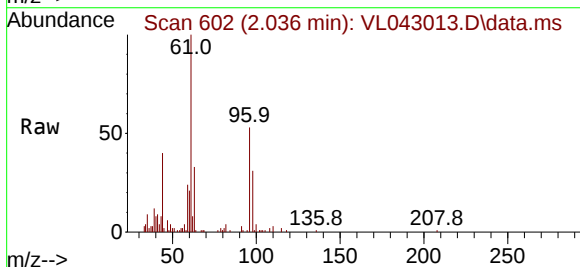
Tgt Ion: 96 Resp: 3426

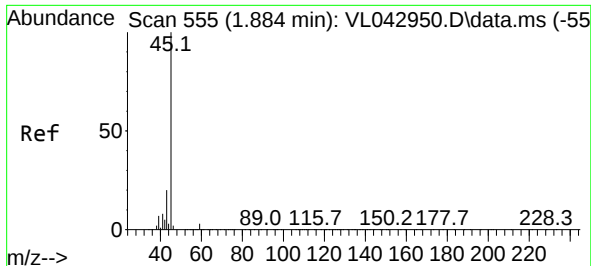
Ion Ratio Lower Upper

96 100

61 186.5 166.2 249.4

98 58.8 48.6 73.0

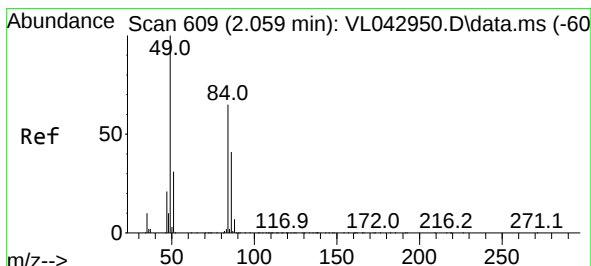
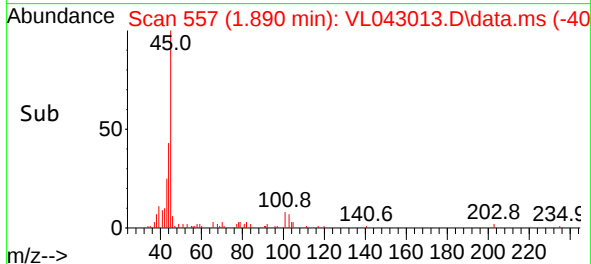
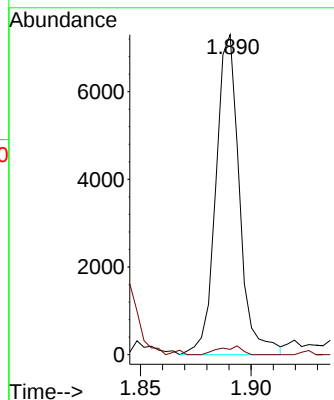
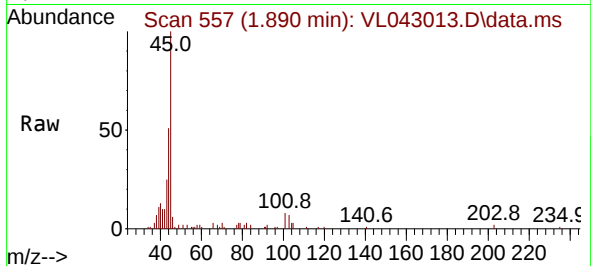




#19
Isopropyl Alcohol
Concen: 0.472 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

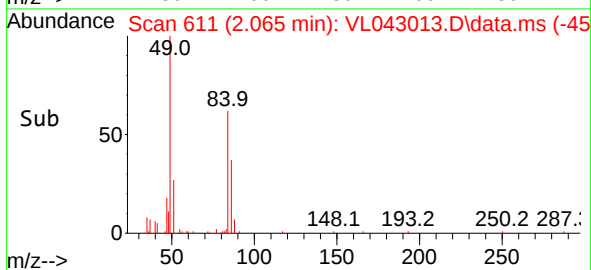
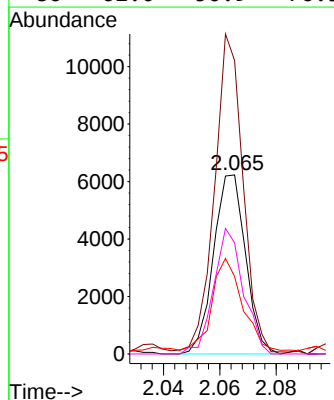
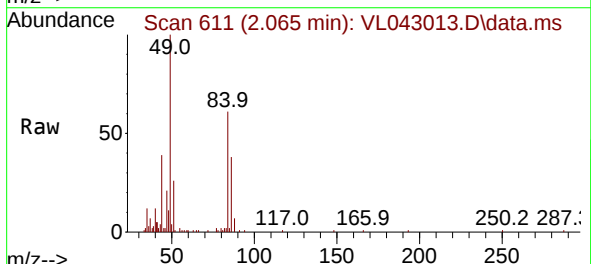
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

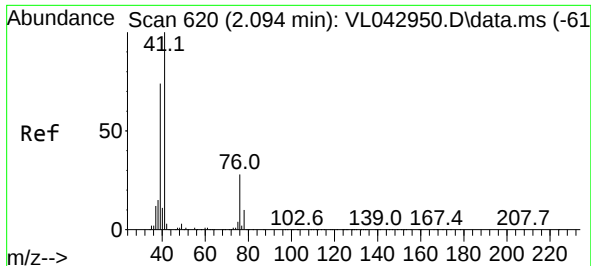
Tgt Ion: 45 Resp: 5421
Ion Ratio Lower Upper
45 100
58 64.2 31.0 46.6#



#20
Methylene Chloride
Concen: 0.616 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 84 Resp: 4925
Ion Ratio Lower Upper
84 100
49 162.7 124.1 186.1
51 41.2 39.8 59.8
86 62.0 50.9 76.3

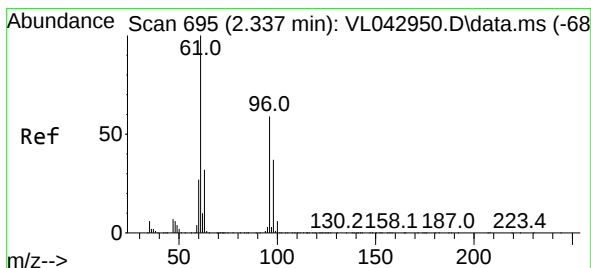
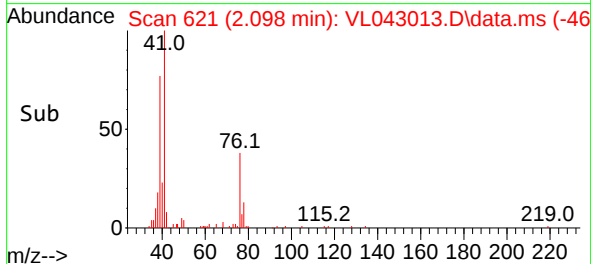
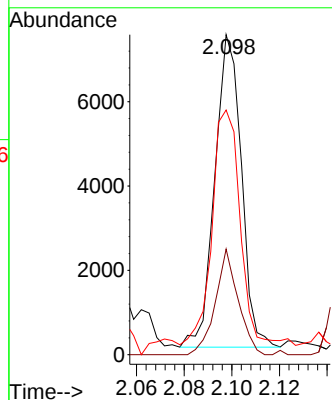
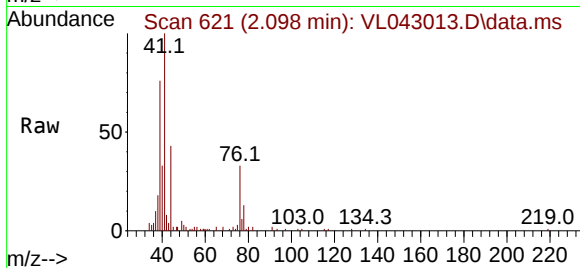




#21
 Allyl Chloride
 Concen: 0.431 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

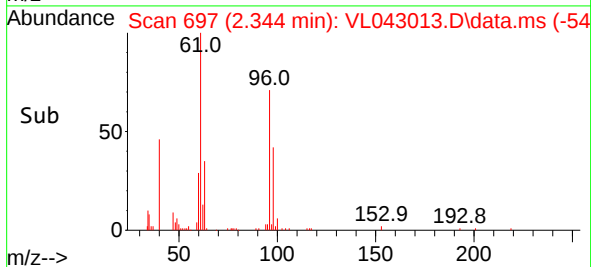
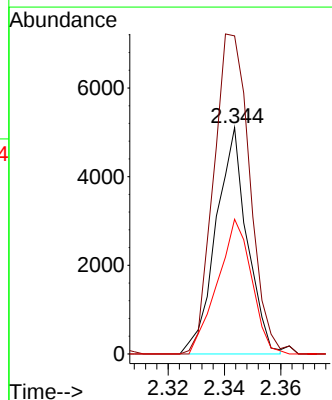
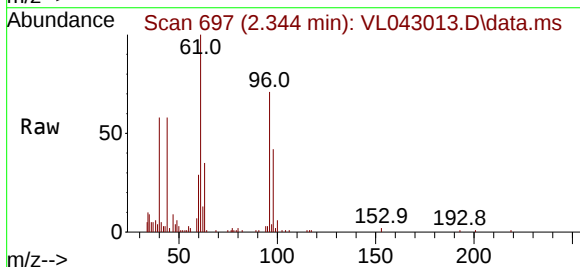
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

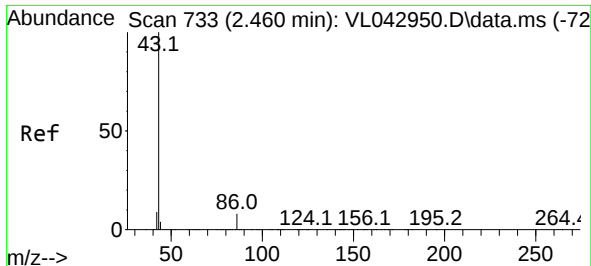
Tgt Ion:	41	Resp:	5734
Ion	Ratio	Lower	Upper
41	100		
76	29.4	22.3	33.5
39	84.9	61.3	91.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:	96	Resp:	3934
Ion	Ratio	Lower	Upper
96	100		
61	140.5	136.5	204.7
98	59.5	50.6	76.0

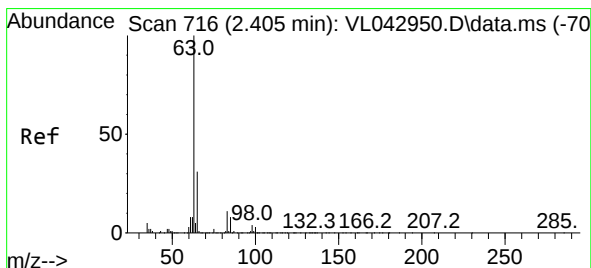
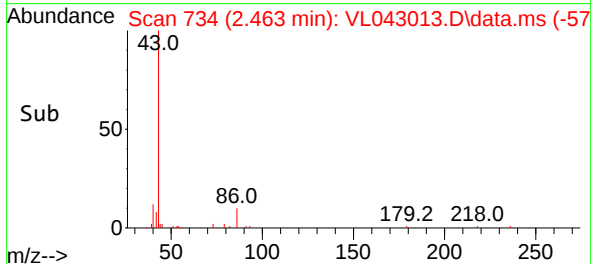
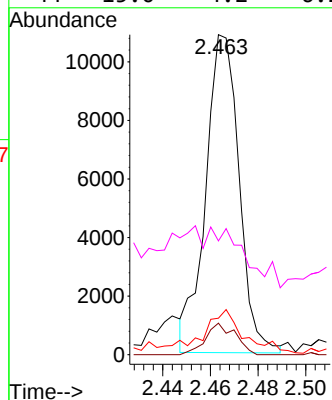
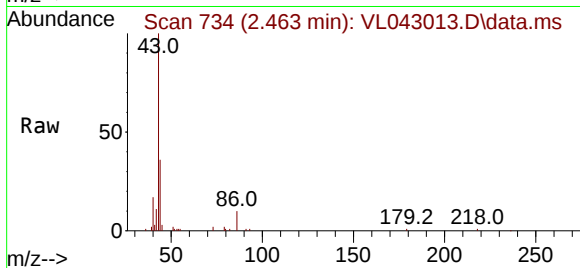




#23
 Vinyl Acetate
 Concen: 0.388 ppbv
 RT: 2.463 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

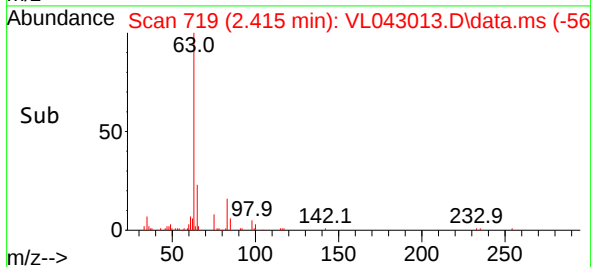
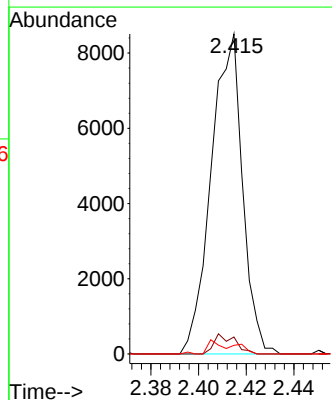
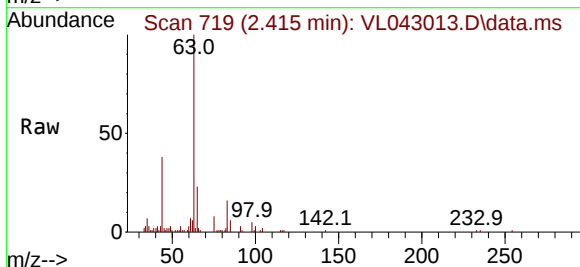
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

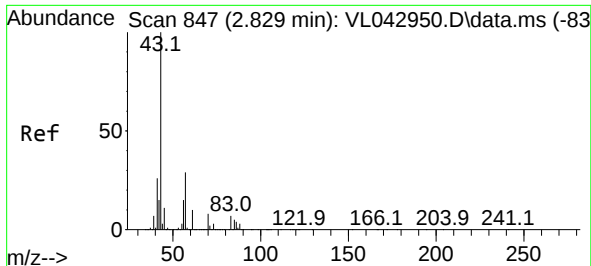
Tgt Ion:	43	Resp:	10597
Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.2	9.2#
42	10.2	7.4	11.0
44	15.0	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.489 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:	63	Resp:	7771
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.2	6.6
100	2.7	1.4	4.0

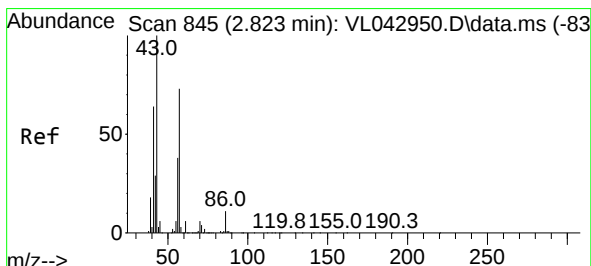
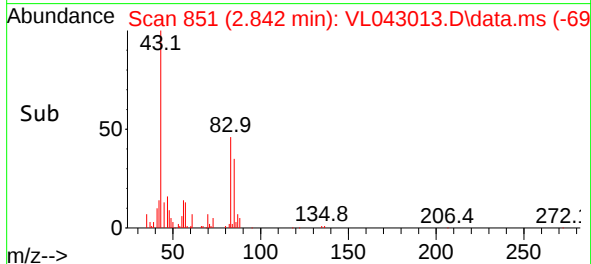
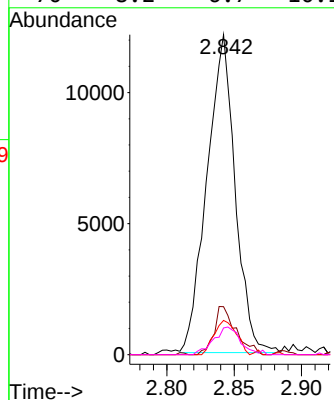
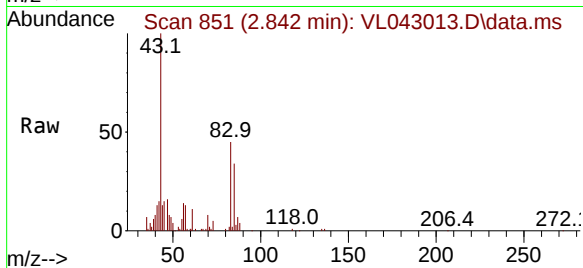




#25
Ethyl Acetate
Concen: 0.366 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

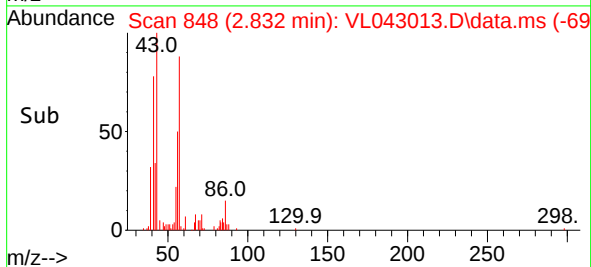
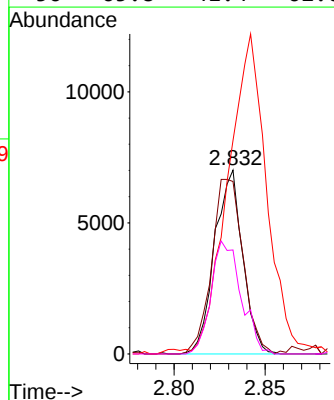
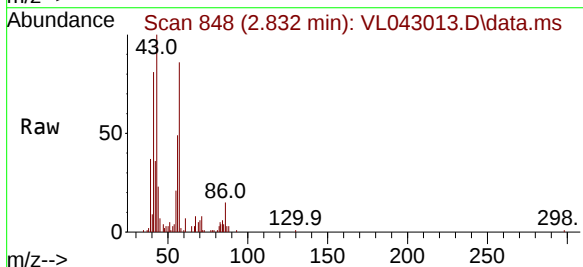
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

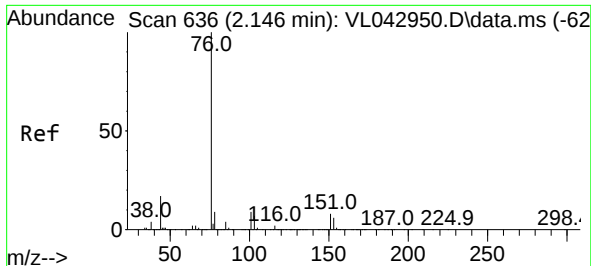
Tgt Ion: 43 Resp: 17686
Ion Ratio Lower Upper
43 100
45 11.8 7.7 11.5#
61 8.9 7.1 10.7
70 8.2 6.7 10.1



#26
Hexane
Concen: 0.342 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 57 Resp: 7522
Ion Ratio Lower Upper
57 100
41 109.6 71.7 107.5#
43 248.6 180.8 271.2
56 65.8 41.4 62.0#





#27

Carbon Disulfide

Concen: 0.400 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

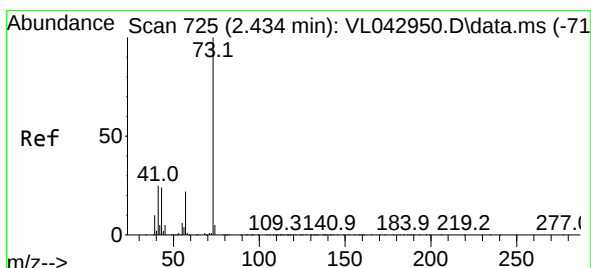
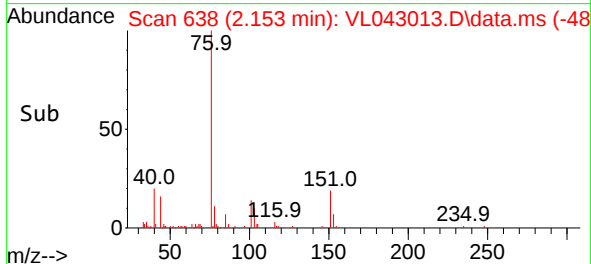
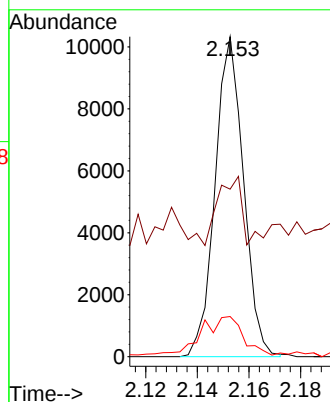
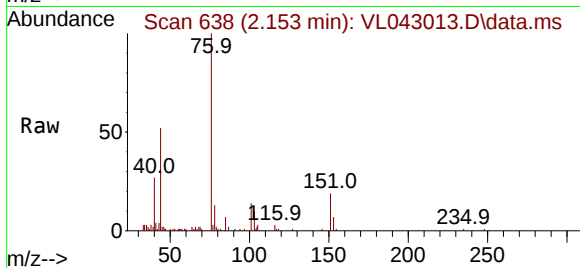
Tgt Ion: 76 Resp: 7897

Ion Ratio Lower Upper

76 100

44 70.7 15.6 23.4#

78 17.6 8.9 13.3#



#28

Methyl tert-Butyl Ether

Concen: 0.367 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.010 min

Lab File: VL043013.D

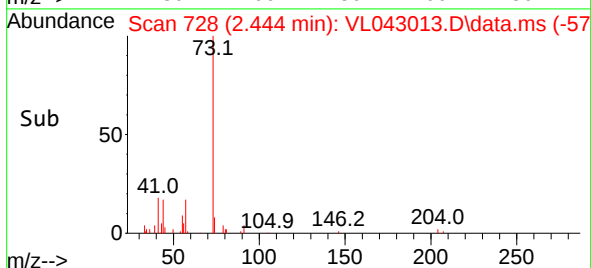
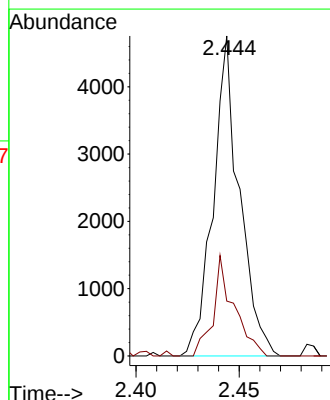
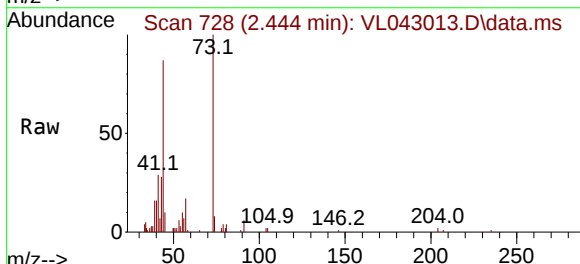
Acq: 24 Sep 2025 17:24

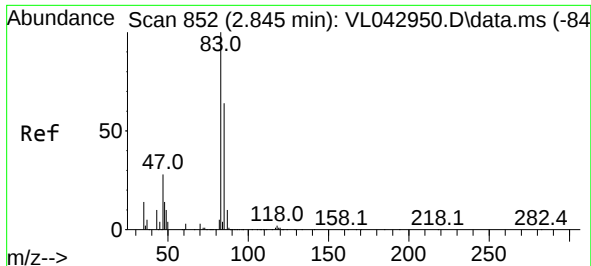
Tgt Ion: 73 Resp: 4202

Ion Ratio Lower Upper

73 100

57 25.2 20.6 31.0





#29

Chloroform

Concen: 0.483 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

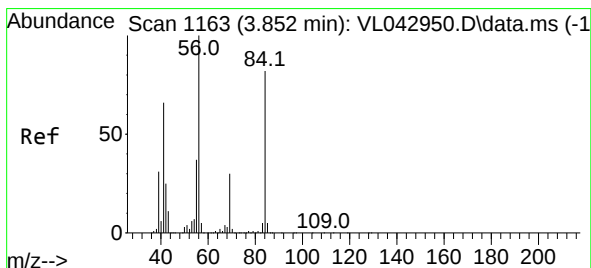
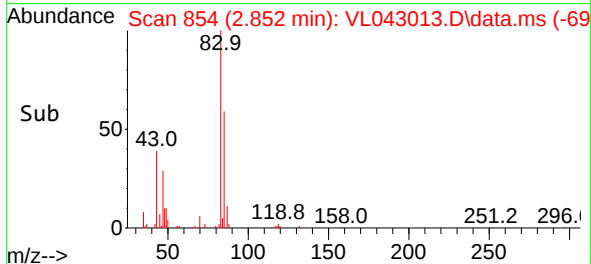
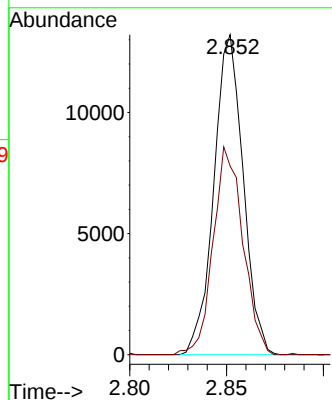
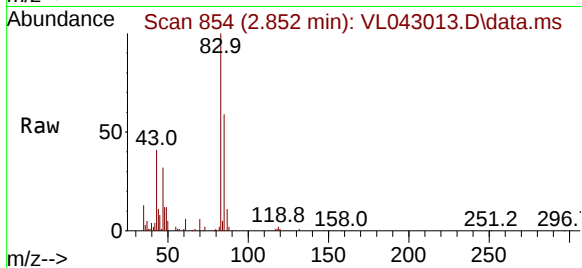
MDL-AIR-03-QT3-2025

Tgt Ion: 83 Resp: 13903

Ion Ratio Lower Upper

83 100

85 58.9 51.2 76.8



#30

Cyclohexane

Concen: 0.320 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

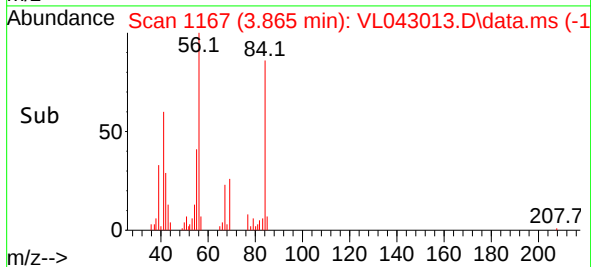
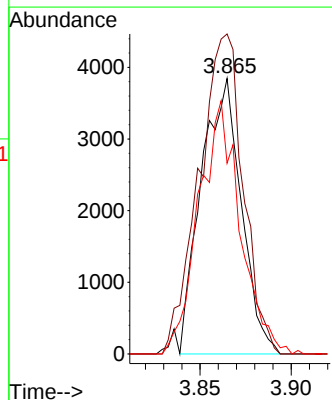
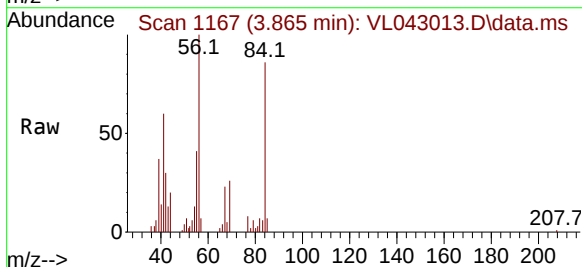
Tgt Ion: 84 Resp: 5885

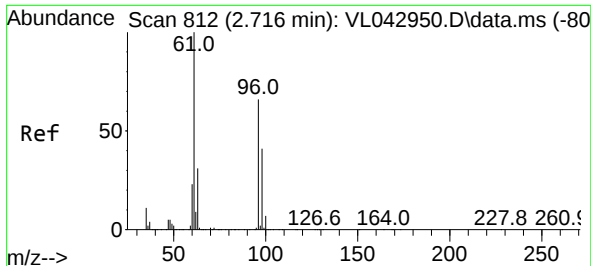
Ion Ratio Lower Upper

84 100

56 127.7 102.2 153.4

41 94.4 65.6 98.4

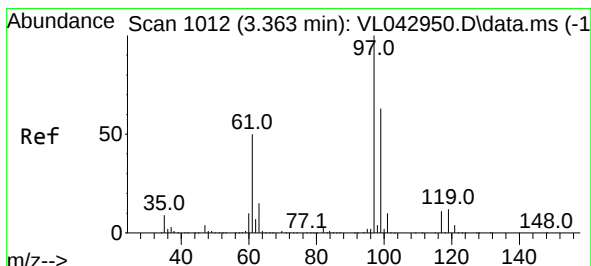
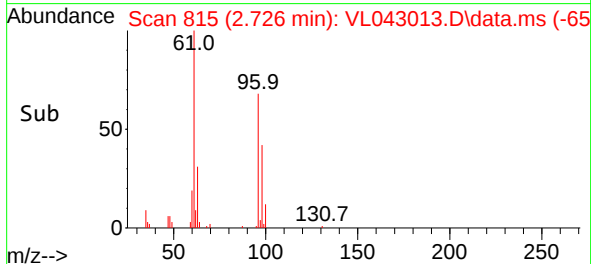
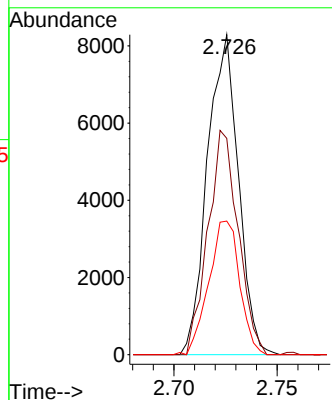
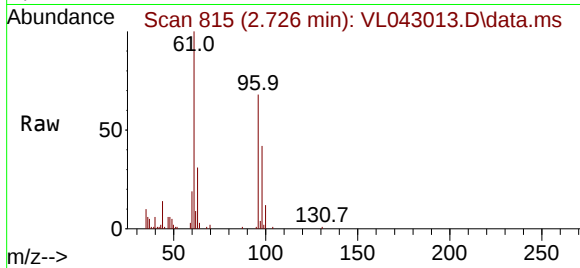




#31
 cis-1,2-Dichloroethene
 Concen: 0.419 ppbv
 RT: 2.726 min Scan# 812
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

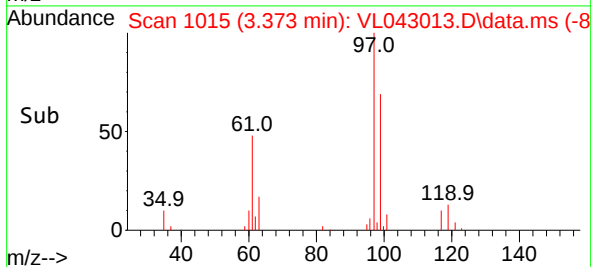
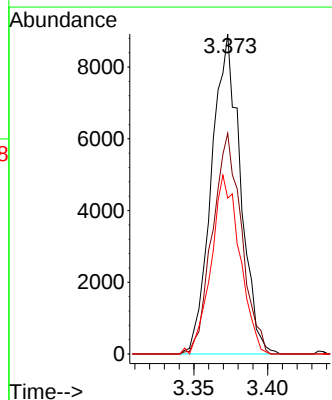
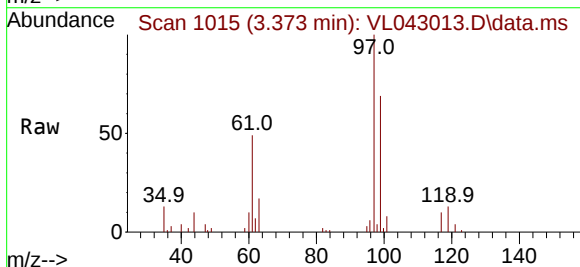
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

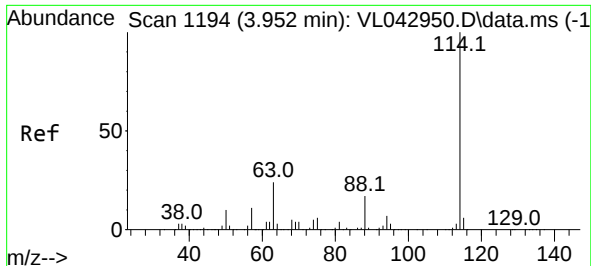
Tgt Ion:	61	Resp:	8638
Ion	Ratio	Lower	Upper
61	100		
96	67.6	53.0	79.6
98	41.7	32.9	49.3



#32
 1,1,1-Trichloroethane
 Concen: 0.391 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:	97	Resp:	12139
Ion	Ratio	Lower	Upper
97	100		
99	69.3	51.1	76.7
61	55.1	39.8	59.6

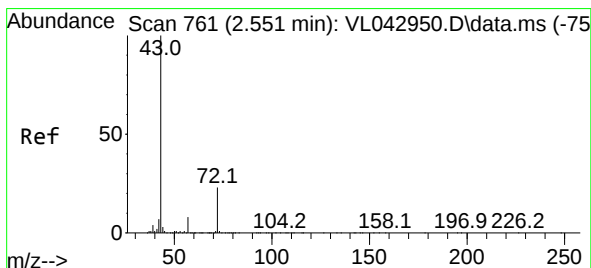
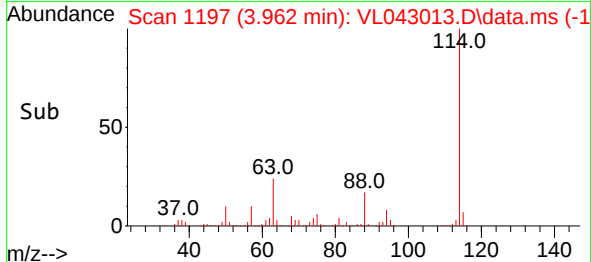
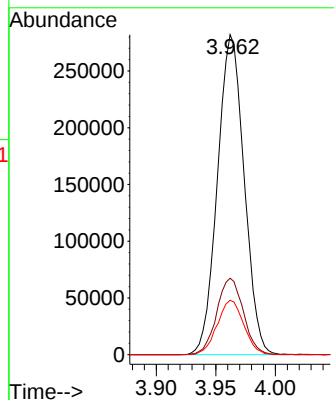
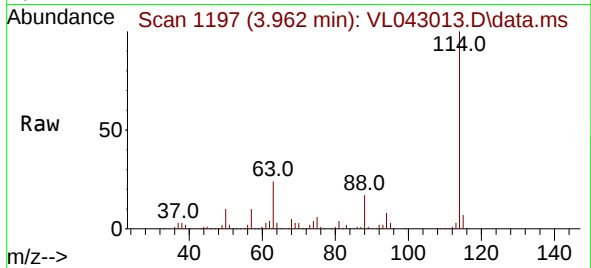




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1194
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

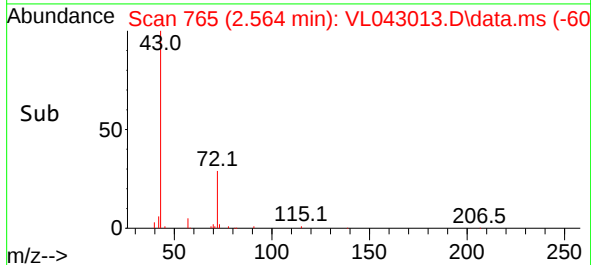
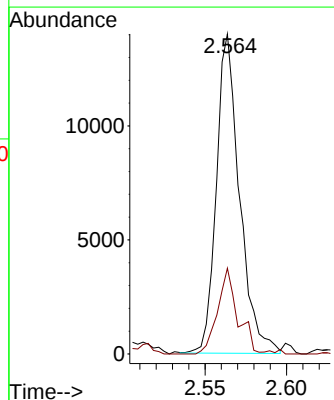
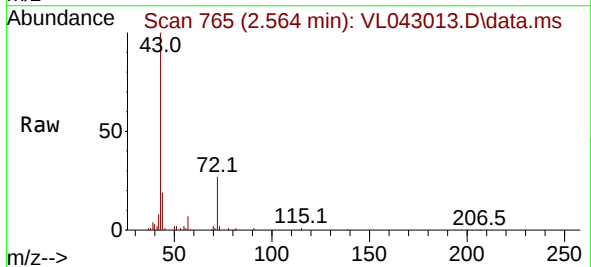
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

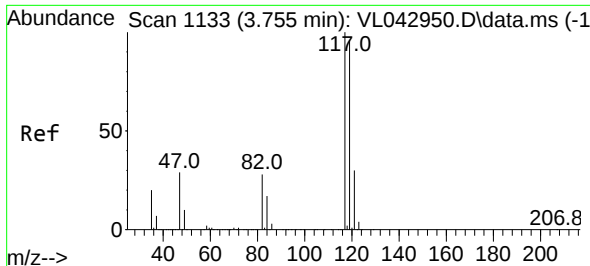
Tgt Ion:114 Resp: 439023
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 16.9 14.2 21.2



#34
2-Butanone
Concen: 0.449 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 43 Resp: 13819
Ion Ratio Lower Upper
43 100
72 23.9 17.7 26.5

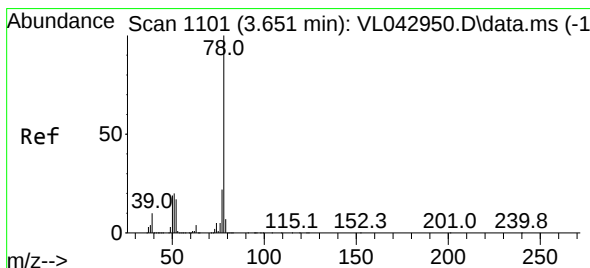
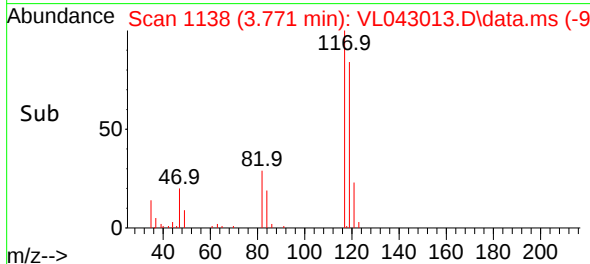
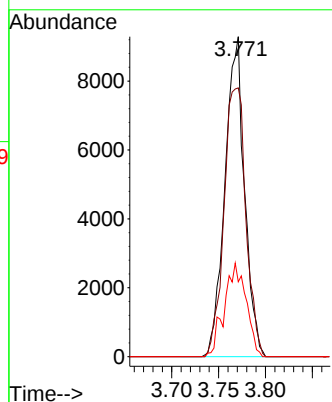
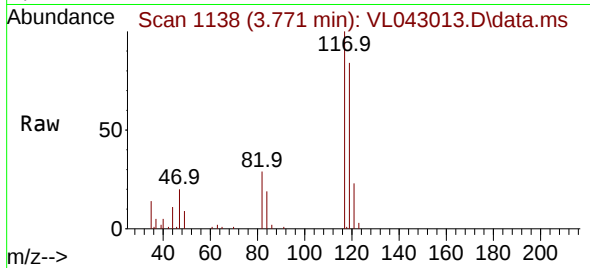




#35
Carbon Tetrachloride
Concen: 0.471 ppbv m
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

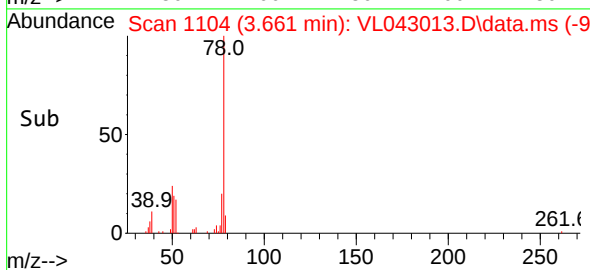
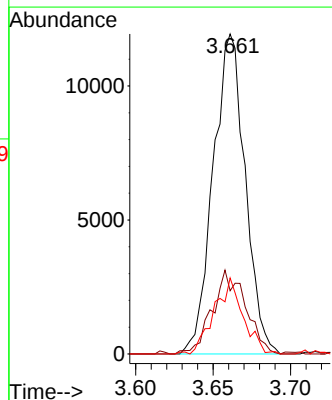
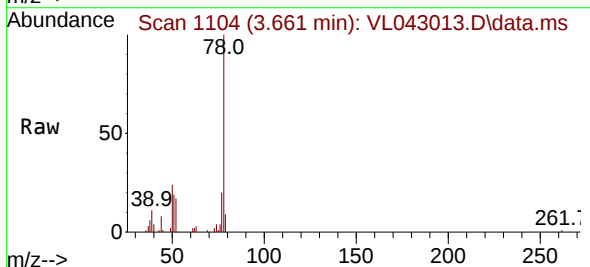
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

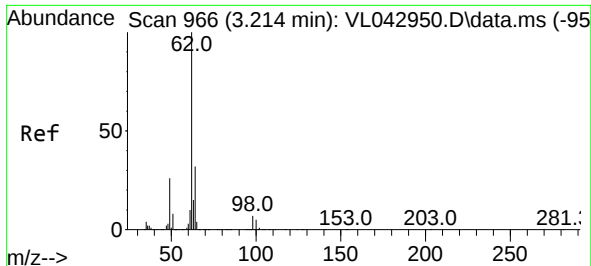
Tgt Ion:117 Resp: 13455
Ion Ratio Lower Upper
117 100
119 84.0 76.9 115.3
121 23.4 23.7 35.5#



#36
Benzene
Concen: 0.417 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 78 Resp: 17208
Ion Ratio Lower Upper
78 100
77 19.7 17.8 26.6
50 23.7 15.0 22.4#

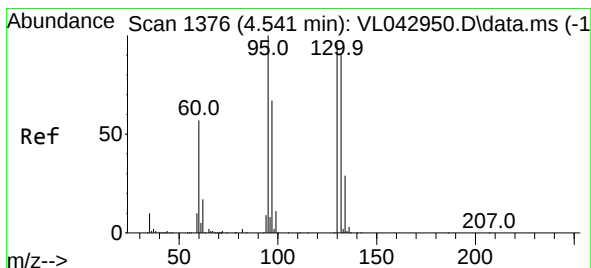
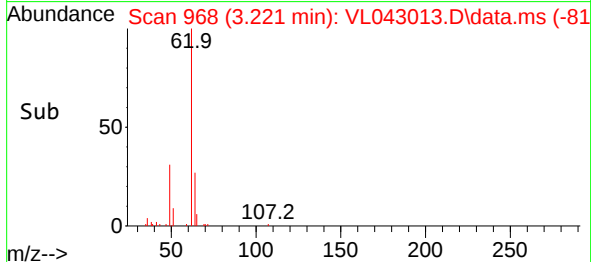
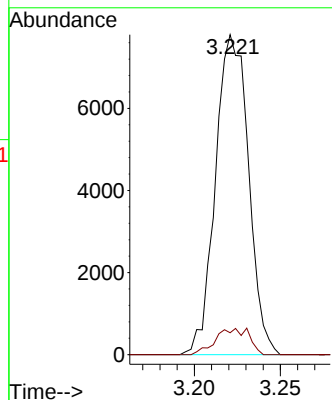
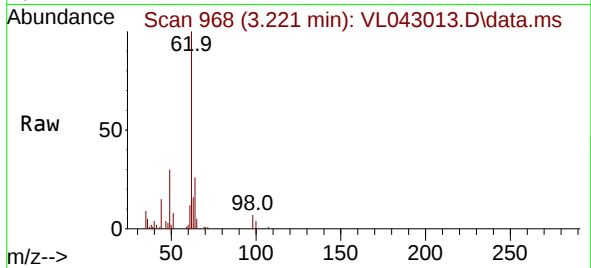




#37
1,2-Dichloroethane
Concen: 0.480 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

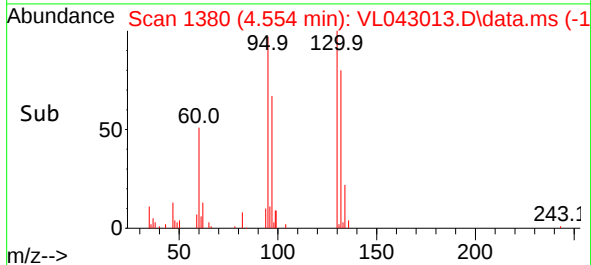
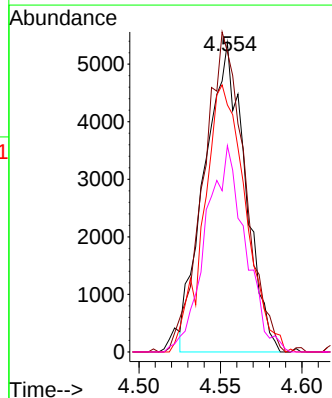
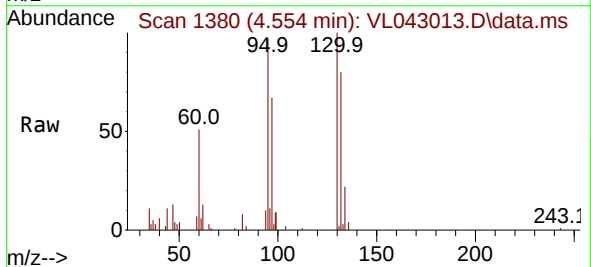
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

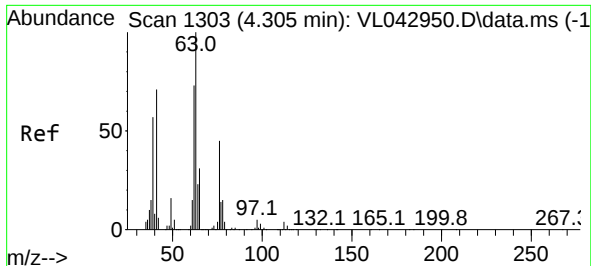
Tgt Ion: 62 Resp: 10411
Ion Ratio Lower Upper
62 100
98 8.3 5.9 8.9



#38
Trichloroethene
Concen: 0.454 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion:130 Resp: 9308
Ion Ratio Lower Upper
130 100
95 95.3 83.0 124.4
132 74.4 74.6 112.0#
97 63.5 55.3 82.9





#39

1,2-Dichloropropane

Concen: 0.463 ppbv m

RT: 4.321 min Scan# 1308

Delta R.T. 0.016 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

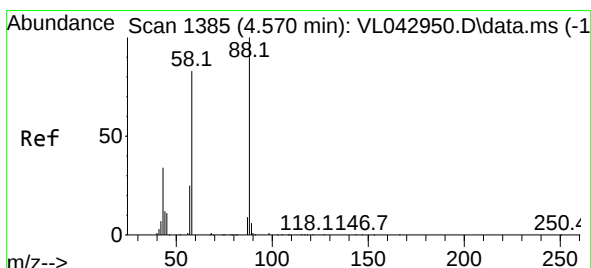
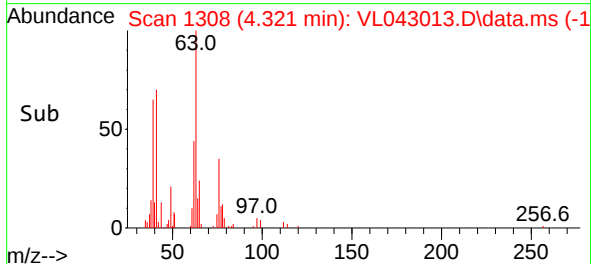
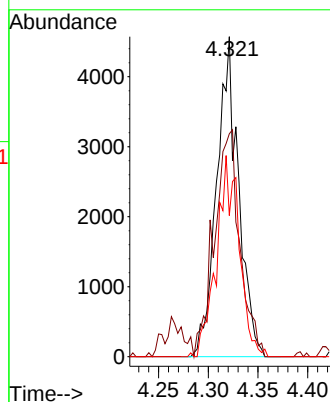
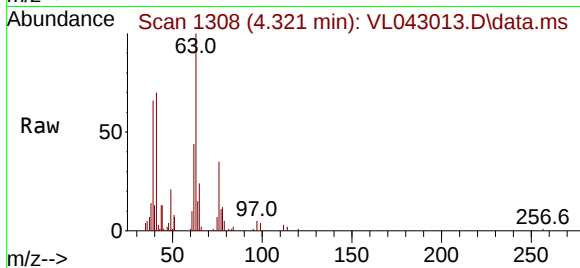
Tgt Ion: 63 Resp: 6975

Ion Ratio Lower Upper

63 100

41 69.6 57.5 86.3

62 44.1 58.5 87.7#



#40

1,4-Dioxane

Concen: 0.360 ppbv m

RT: 4.600 min Scan# 1394

Delta R.T. 0.029 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Tgt Ion: 88 Resp: 2520

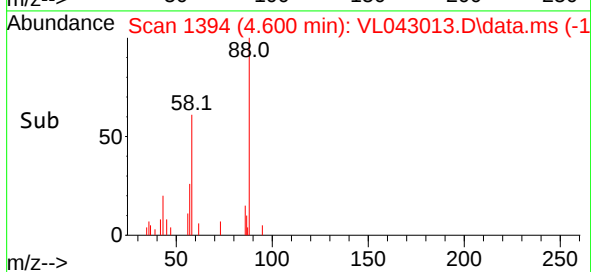
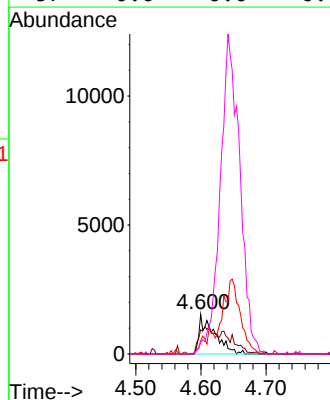
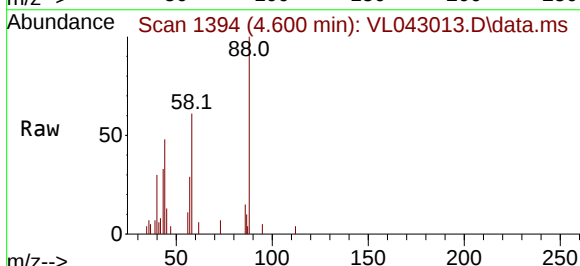
Ion Ratio Lower Upper

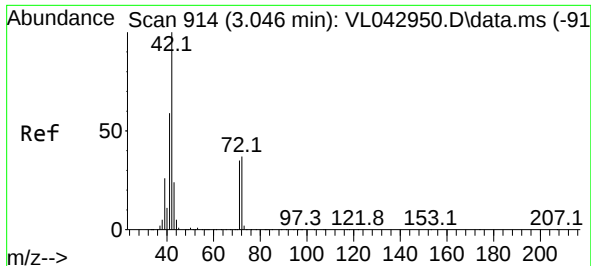
88 100

58 0.0 59.7 89.5#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

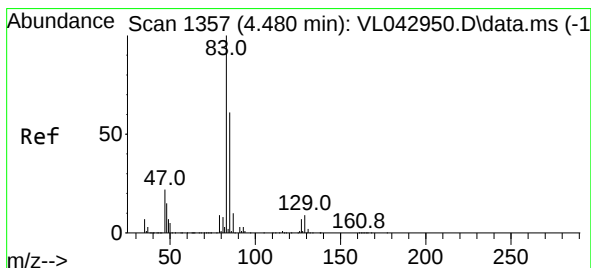
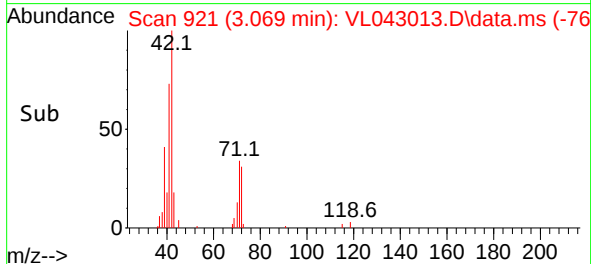
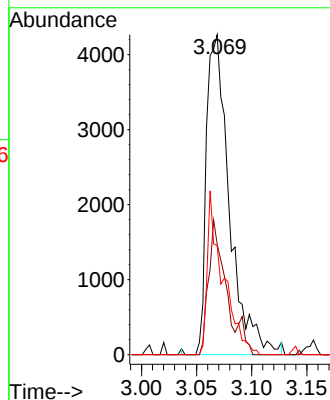
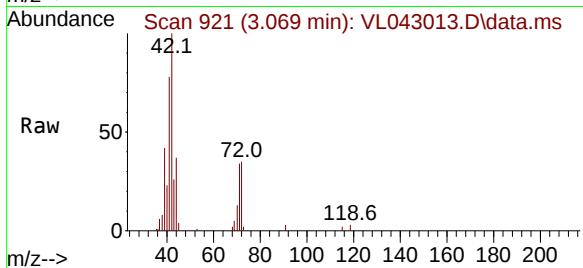




#41
Tetrahydrofuran
Concen: 0.350 ppbv m
RT: 3.069 min Scan# 914
Delta R.T. 0.023 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

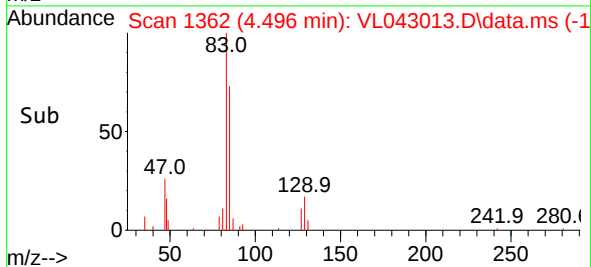
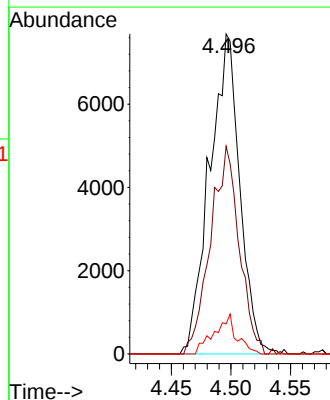
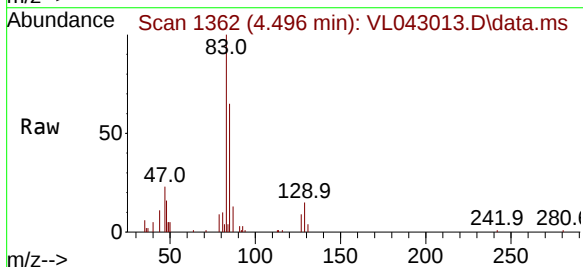
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

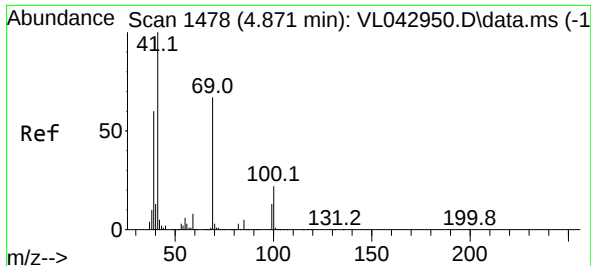
Tgt Ion:	42	Resp:	6187
Ion	Ratio	Lower	Upper
42	100		
72	32.7	30.0	45.0
71	34.9	28.8	43.2



#42
Bromodichloromethane
Concen: 0.448 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.016 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion:	83	Resp:	13529
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.0	73.6
127	9.4	5.3	7.9

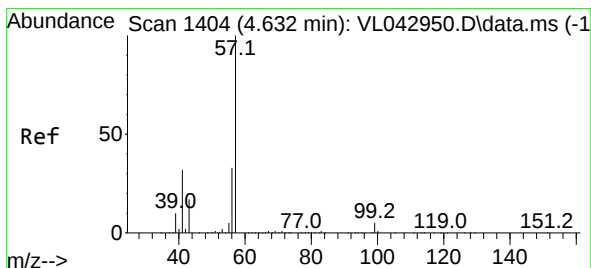
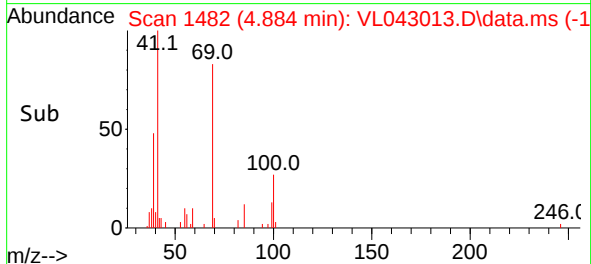
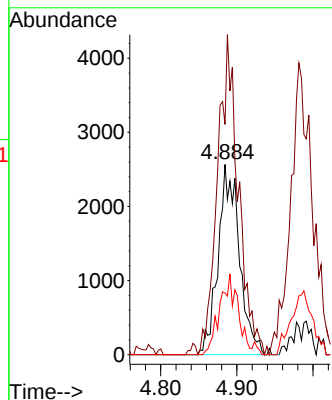
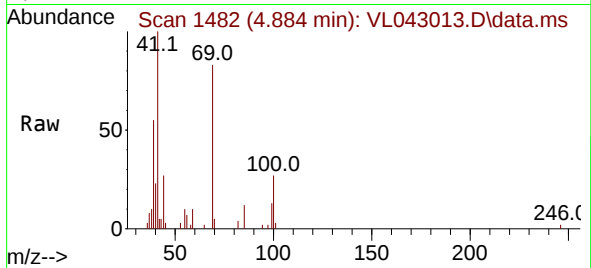




#43
Methyl Methacrylate
Concen: 0.294 ppbv m
RT: 4.884 min Scan# 1478
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

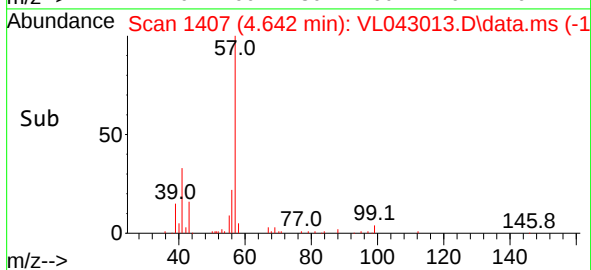
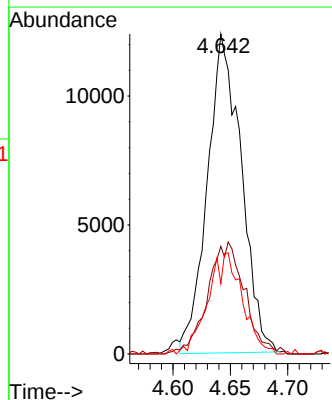
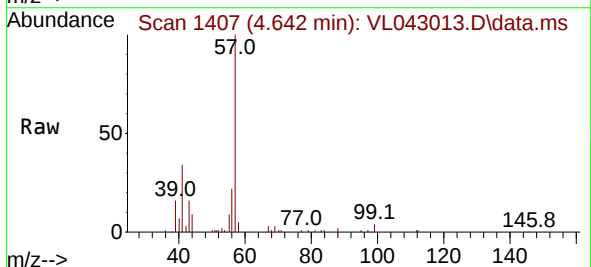
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

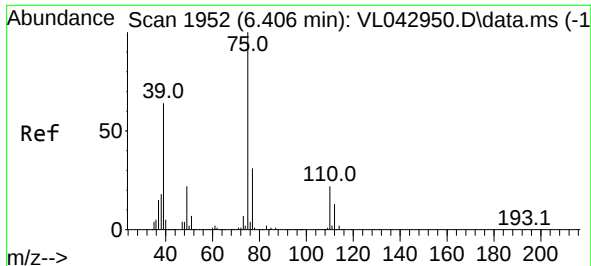
Tgt Ion: 69 Resp: 4961
Ion Ratio Lower Upper
69 100
41 166.1 124.5 186.7
100 0.0 29.0 43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.356 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 57 Resp: 25349
Ion Ratio Lower Upper
57 100
41 38.7 25.5 38.3#
56 32.9 25.8 38.8

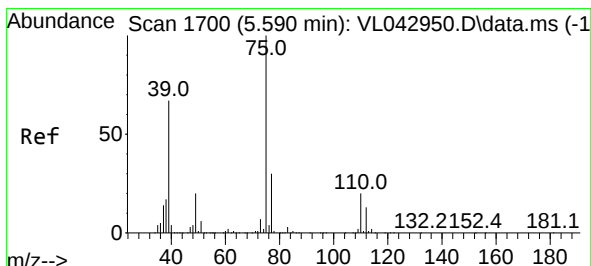
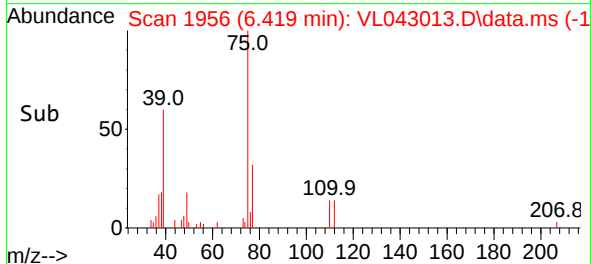
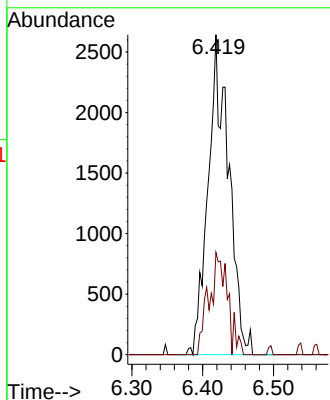
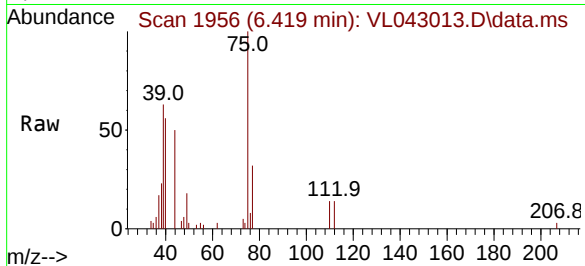




#45
 t-1,3-Dichloropropene
 Concen: 0.297 ppbv m
 RT: 6.419 min Scan# 1952
 Delta R.T. 0.013 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

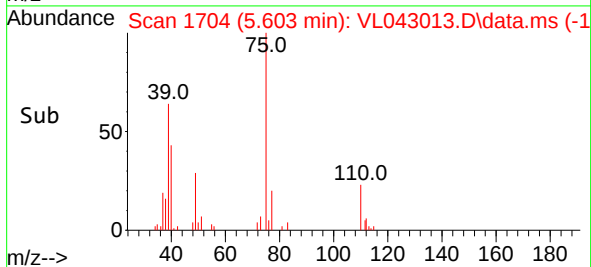
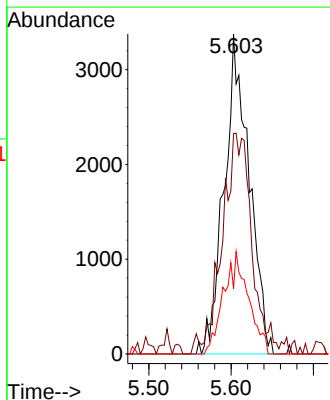
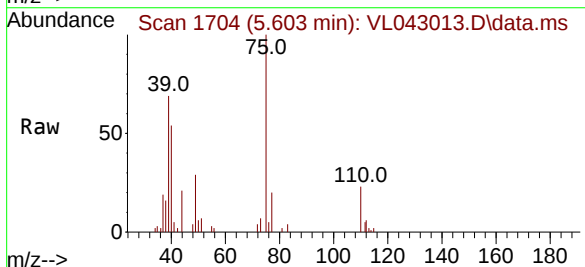
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

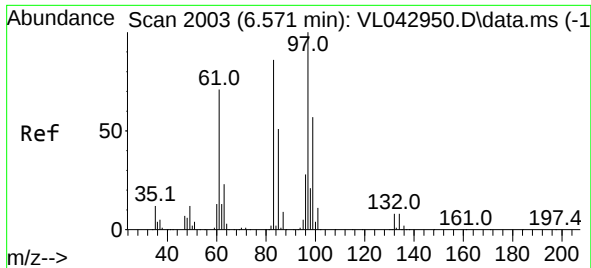
Tgt Ion: 75 Resp: 5342
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.311 ppbv m
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.013 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion: 75 Resp: 7130
 Ion Ratio Lower Upper
 75 100
 39 68.9 53.8 80.6
 77 20.4 23.6 35.4#

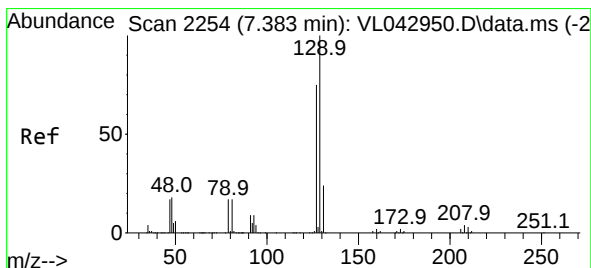
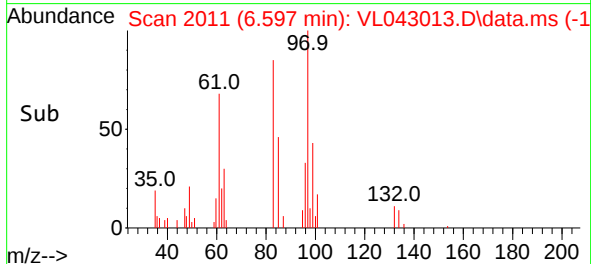
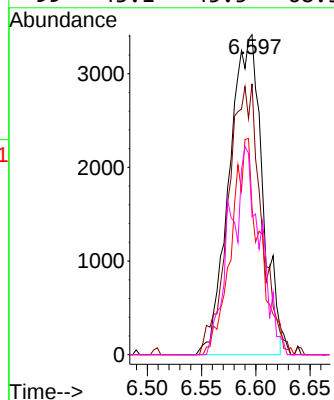
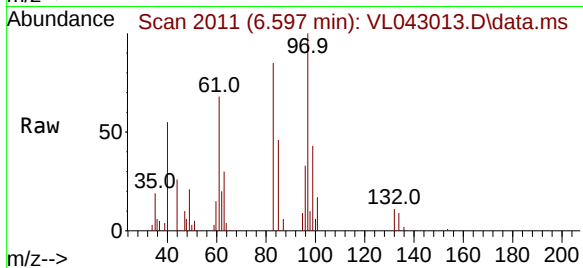




#47
 1,1,2-Trichloroethane
 Concen: 0.456 ppbv m
 RT: 6.597 min Scan# 2011
 Delta R.T. 0.026 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

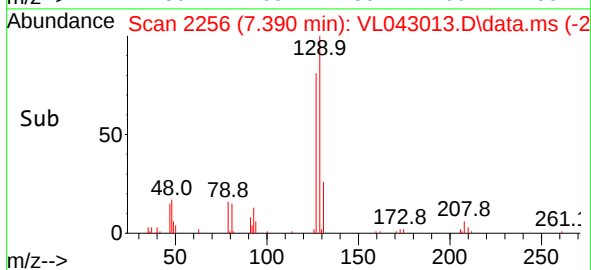
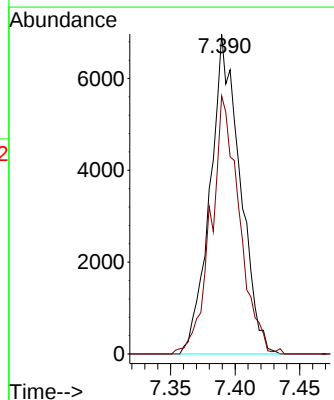
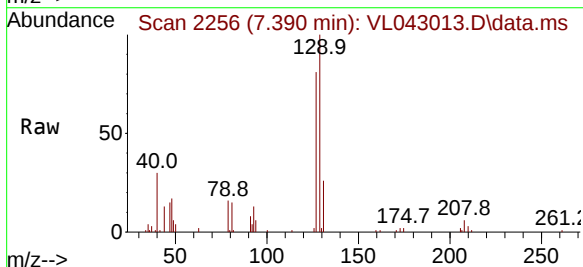
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

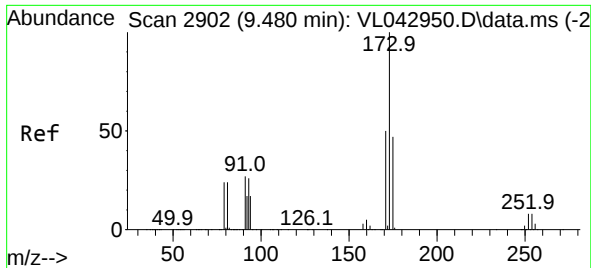
Tgt Ion:	97	Resp:	7252
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.7	103.1
85	45.8	40.6	60.8
99	43.1	45.5	68.3



#48
 Dibromochloromethane
 Concen: 0.442 ppbv
 RT: 7.390 min Scan# 2256
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:	129	Resp:	11249
Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.2





#49

Bromoform

Concen: 0.428 ppbv m

RT: 9.490 min Scan# 2902

Delta R.T. 0.010 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

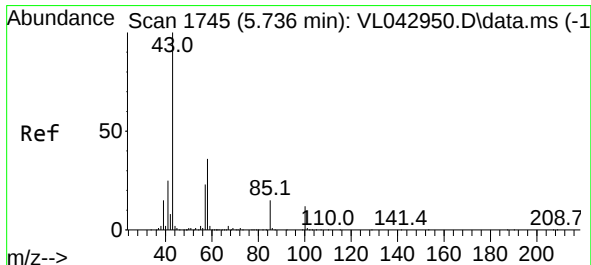
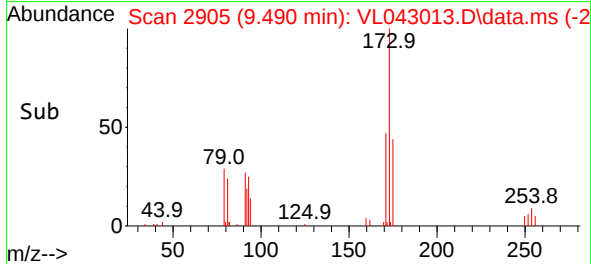
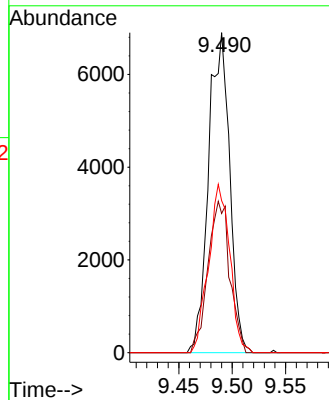
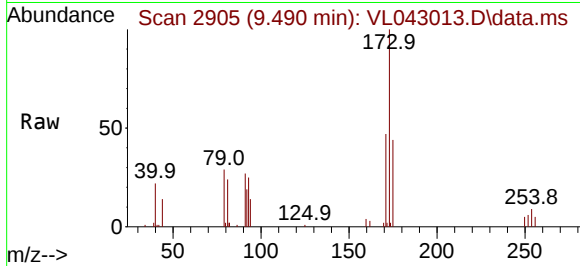
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:173	Resp:	9462
Ion	Ratio	Lower Upper
173	100	
175	49.2	37.9 56.9
171	52.9	41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.322 ppbv m

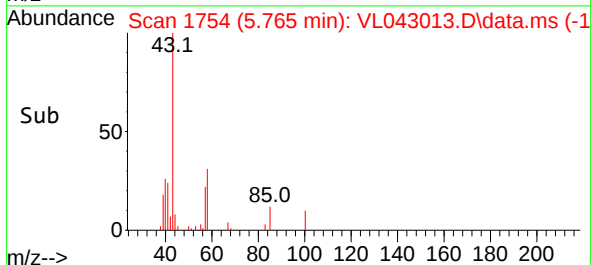
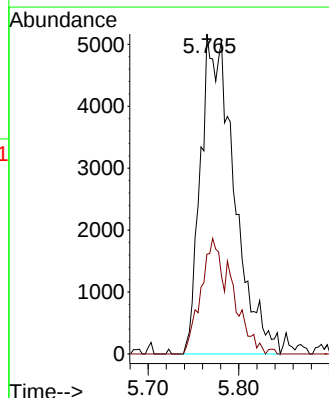
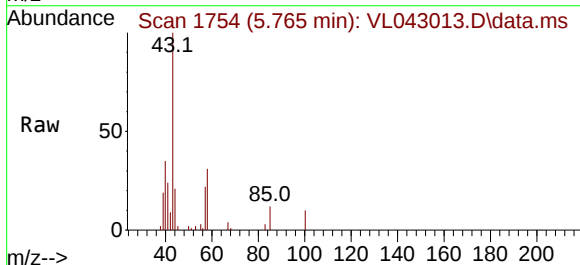
RT: 5.765 min Scan# 1754

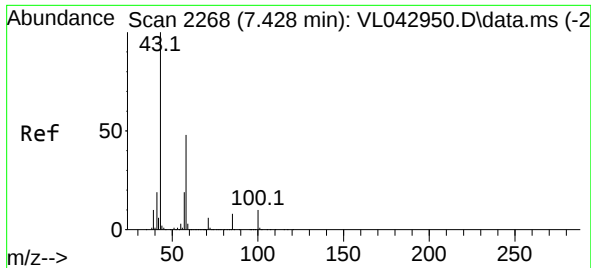
Delta R.T. 0.029 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Tgt Ion: 43	Resp:	13280
Ion	Ratio	Lower Upper
43	100	
58	33.7	28.4 42.6

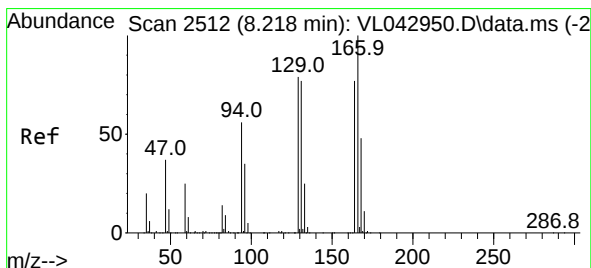
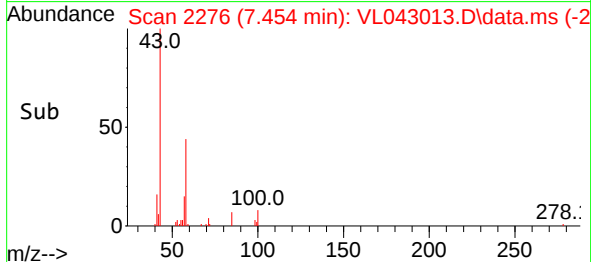
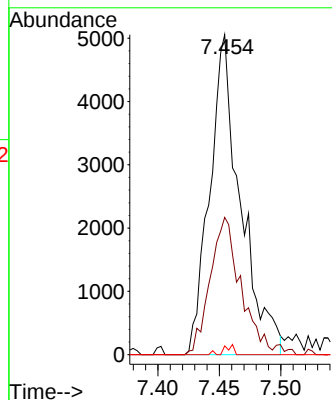
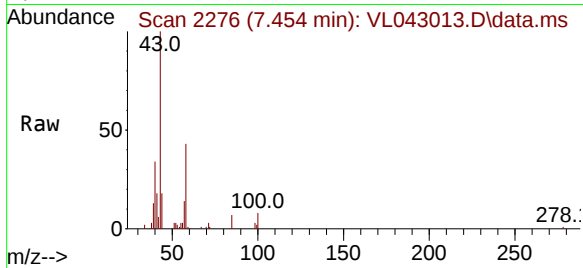




#51
2-Hexanone
Concen: 0.268 ppbv m
RT: 7.454 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

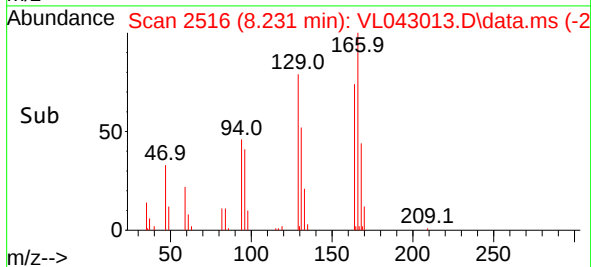
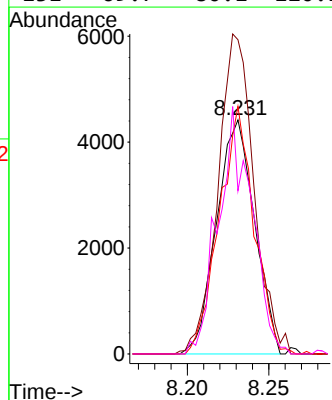
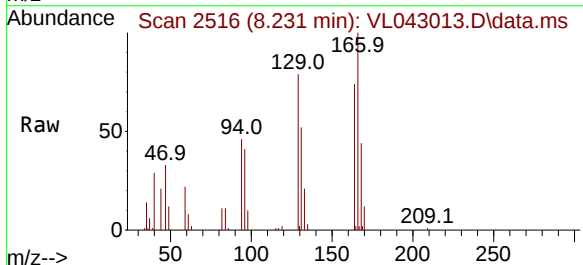
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

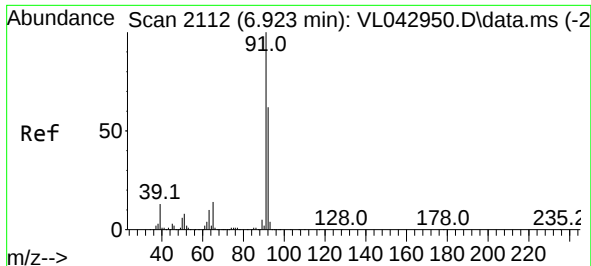
Tgt Ion: 43 Resp: 8811
Ion Ratio Lower Upper
43 100
58 43.9 39.7 59.5
98 1.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 164 Resp: 7175
Ion Ratio Lower Upper
164 100
166 133.0 103.5 155.3
129 105.8 82.2 123.4
131 69.7 80.1 120.1#

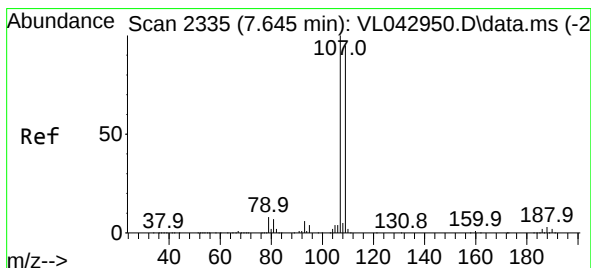
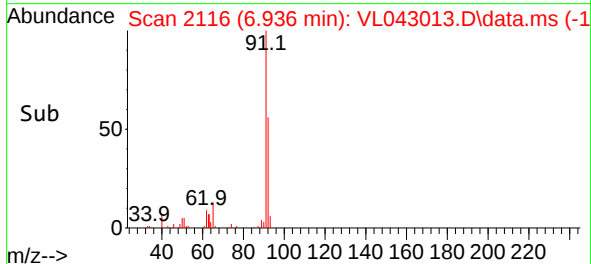
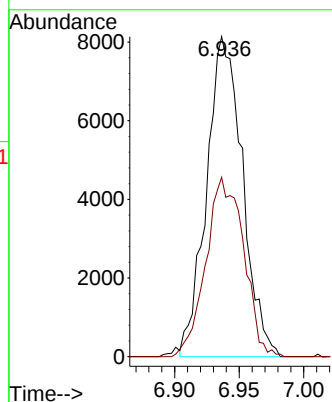
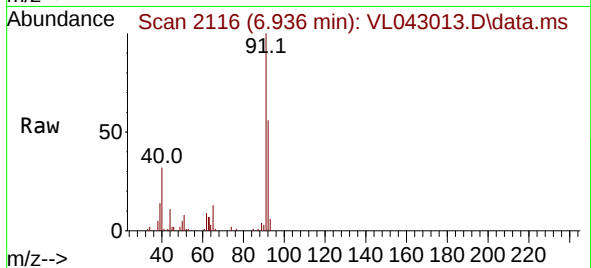




#53
Toluene
Concen: 0.323 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

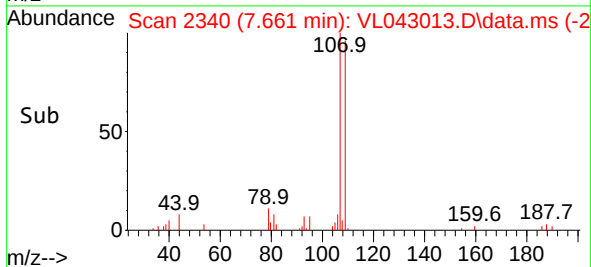
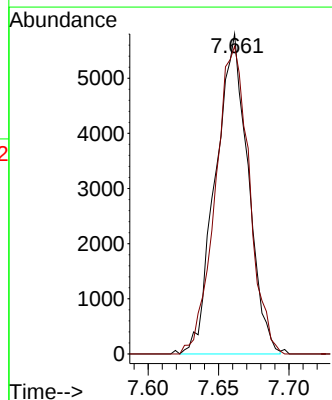
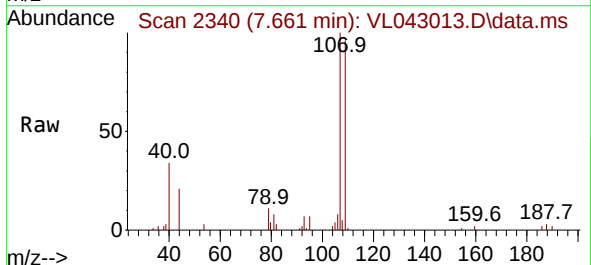
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

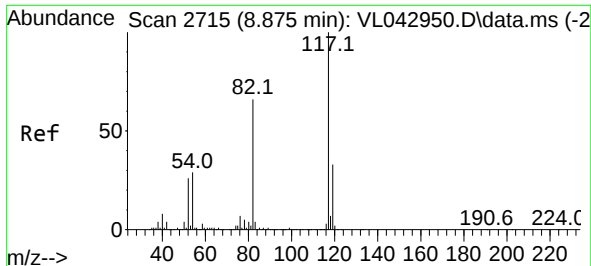
Tgt Ion: 91 Resp: 15755
Ion Ratio Lower Upper
91 100
92 58.7 48.2 72.2



#54
1,2-Dibromoethane
Concen: 0.417 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.016 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 107 Resp: 9323
Ion Ratio Lower Upper
107 100
109 91.2 75.8 113.8

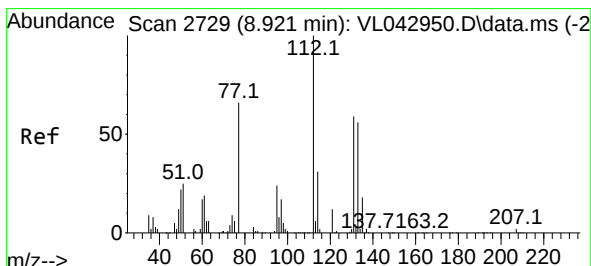
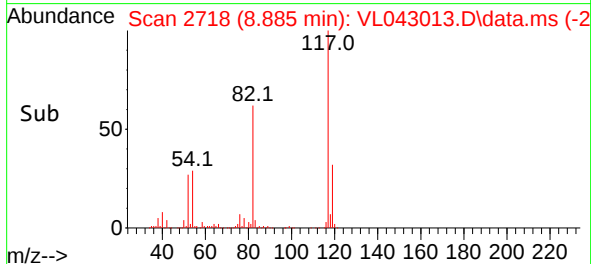
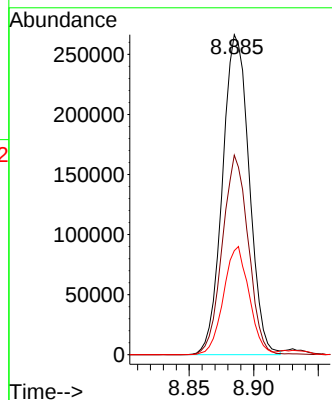
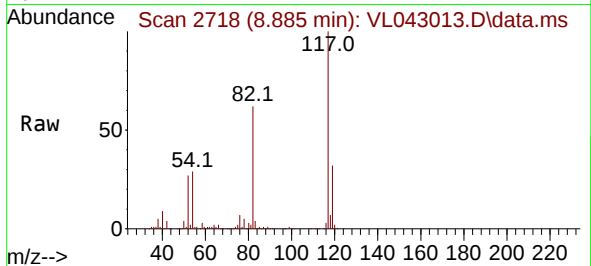




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.885 min Scan# 2715
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

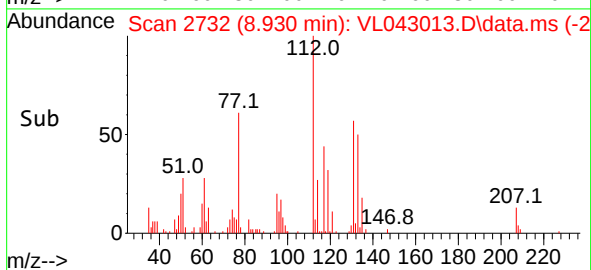
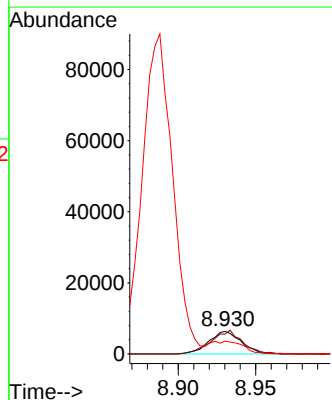
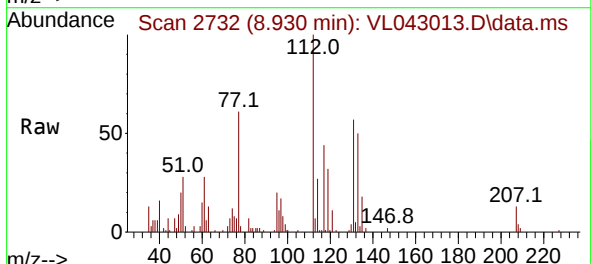
Instrument : MSVOA_L
 ClientSampleId : MDL-AIR-03-QT3-2025

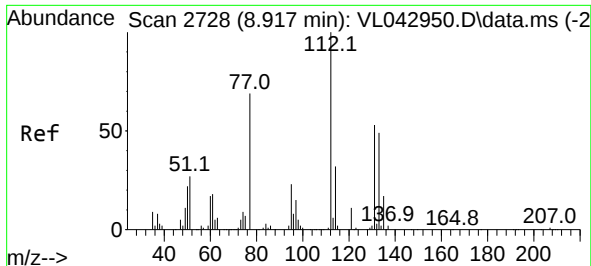
Tgt Ion:	117	Resp:	383142
Ion	Ratio	Lower	Upper
117	100		
82	60.8	52.8	79.2
119	33.9	26.5	39.7



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.497 ppbv
 RT: 8.930 min Scan# 2732
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion:	131	Resp:	9120
Ion	Ratio	Lower	Upper
131	100		
133	102.0	76.6	114.8
119	1422.5	49.9	74.9#

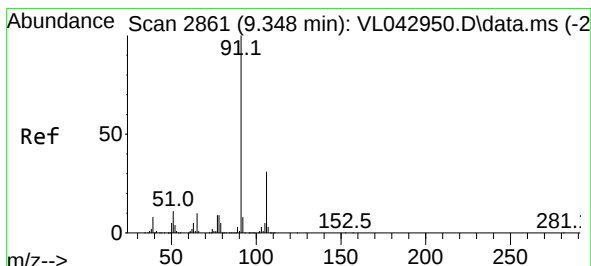
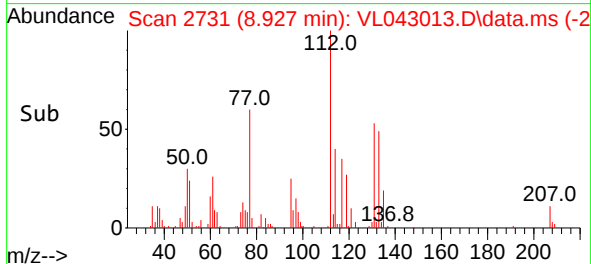
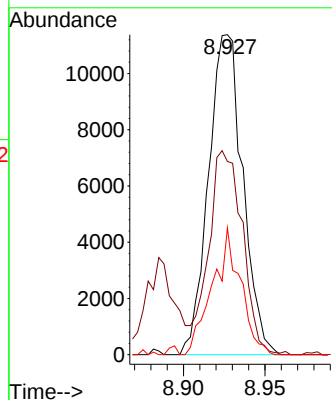
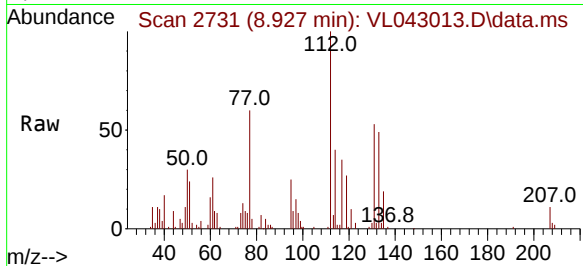




#57
Chlorobenzene
Concen: 0.476 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

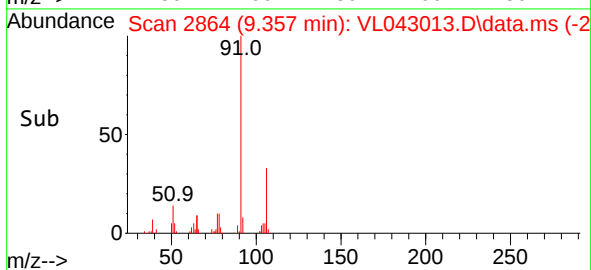
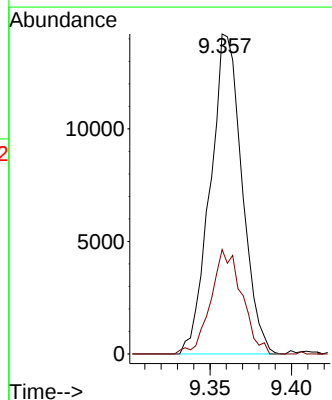
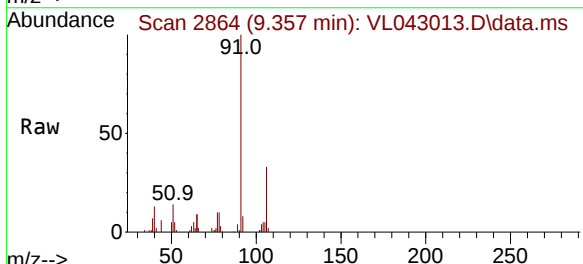
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

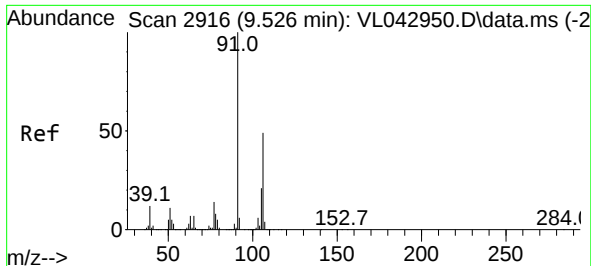
Tgt Ion:112 Resp: 16664
Ion Ratio Lower Upper
112 100
77 59.9 55.7 83.5
114 39.6 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.306 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 91 Resp: 19238
Ion Ratio Lower Upper
91 100
106 32.6 24.6 37.0





#59

m/p-Xylene

Concen: 0.623 ppbv m

RT: 9.555 min Scan# 2916

Delta R.T. 0.029 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

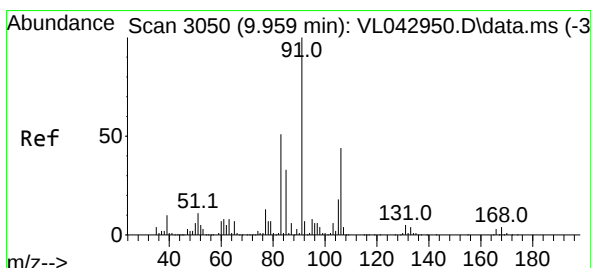
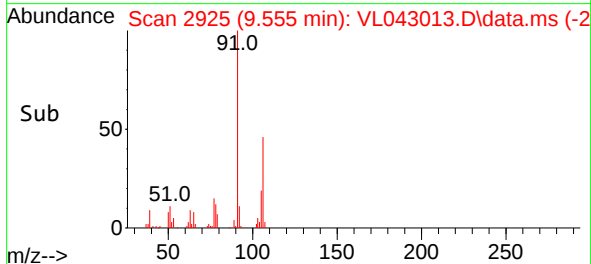
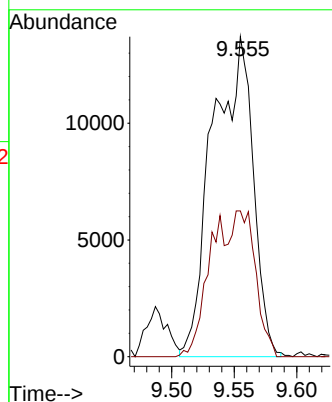
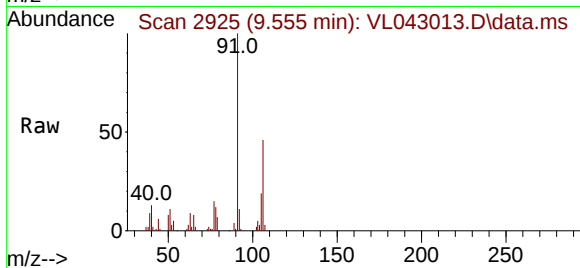
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 30912

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.311 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.010 min

Lab File: VL043013.D

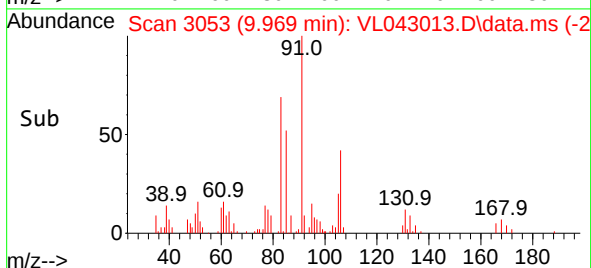
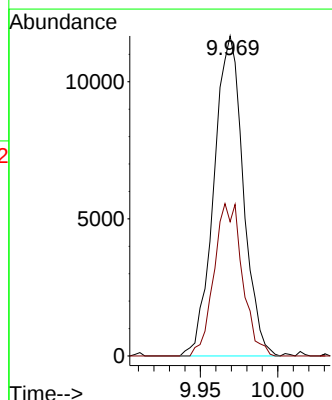
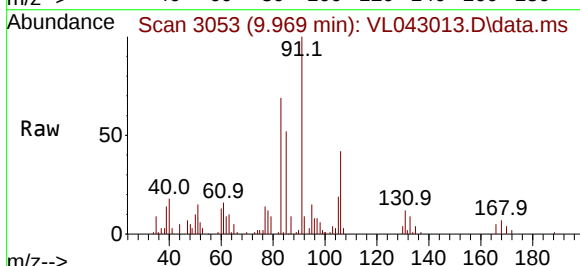
Acq: 24 Sep 2025 17:24

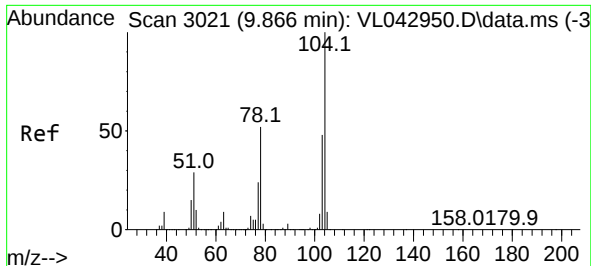
Tgt Ion: 91 Resp: 15409

Ion Ratio Lower Upper

91 100

106 46.1 22.4 67.0

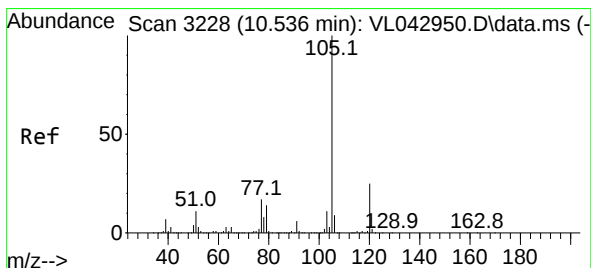
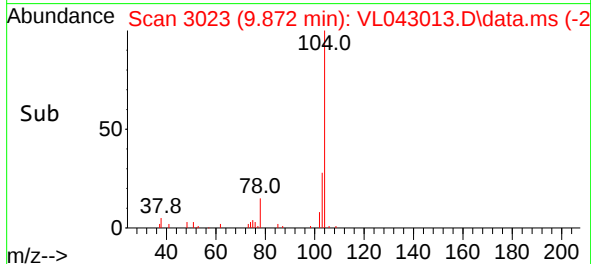
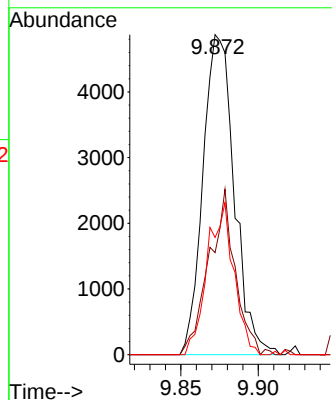
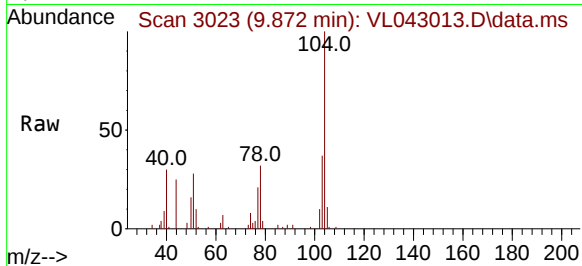




#61
Styrene
Concen: 0.292 ppbv
RT: 9.872 min Scan# 3021
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

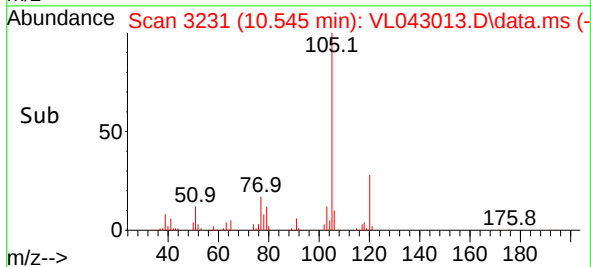
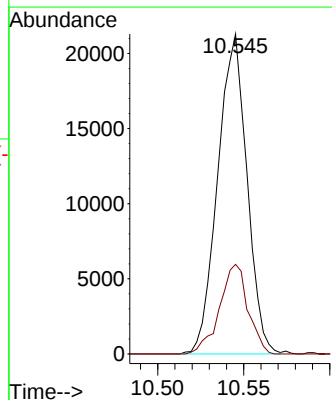
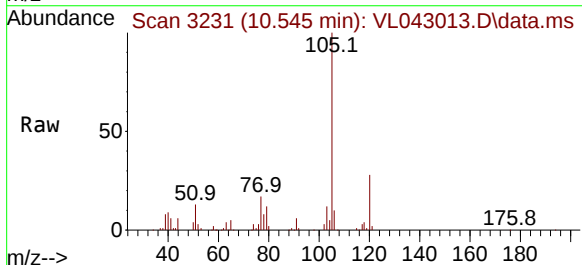
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

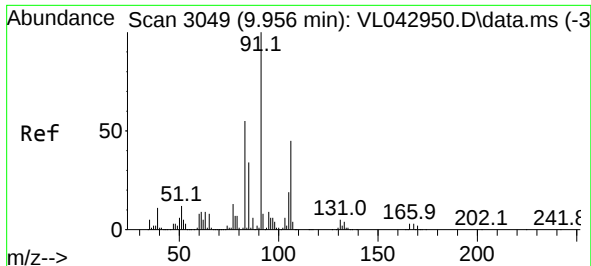
Tgt Ion:104 Resp: 6855
Ion Ratio Lower Upper
104 100
78 43.5 39.9 59.9
103 40.7 36.9 55.3



#62
Isopropylbenzene
Concen: 0.341 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion:105 Resp: 25161
Ion Ratio Lower Upper
105 100
120 27.2 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.460 ppbv

RT: 9.966 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

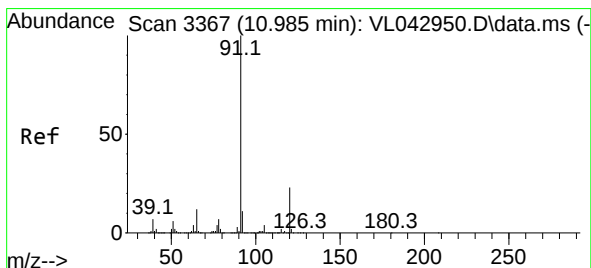
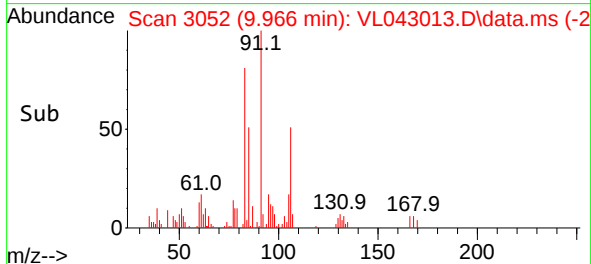
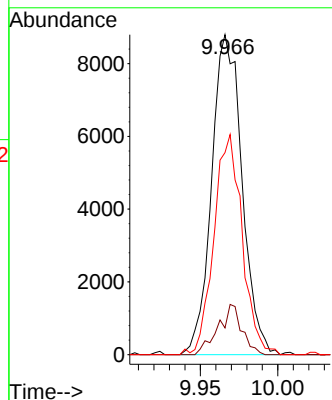
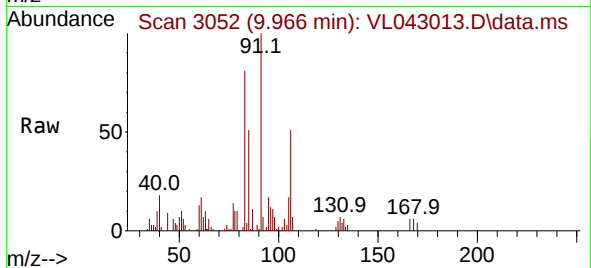
Tgt Ion: 83 Resp: 11996

Ion Ratio Lower Upper

83 100

131 12.3 4.8 14.4

85 63.9 32.2 96.6



#64

n-propylbenzene

Concen: 0.336 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL043013.D

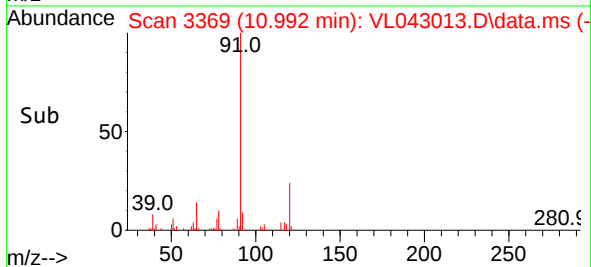
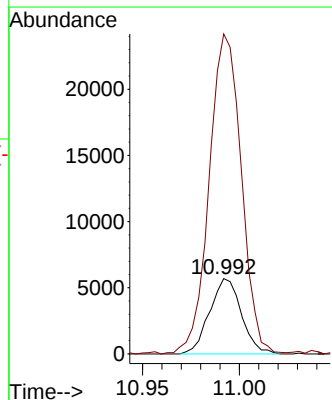
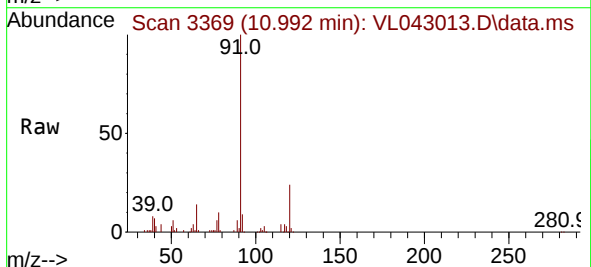
Acq: 24 Sep 2025 17:24

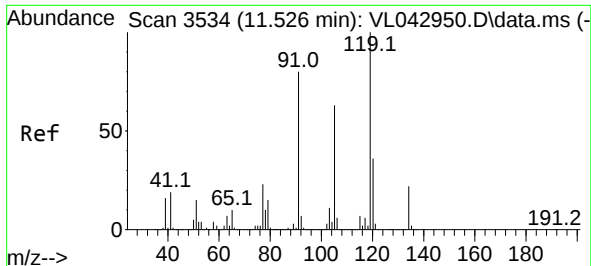
Tgt Ion: 120 Resp: 6495

Ion Ratio Lower Upper

120 100

91 434.0 364.9 547.3

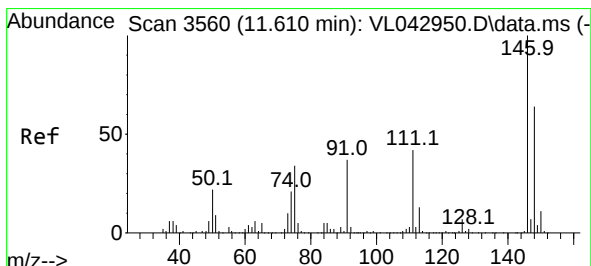
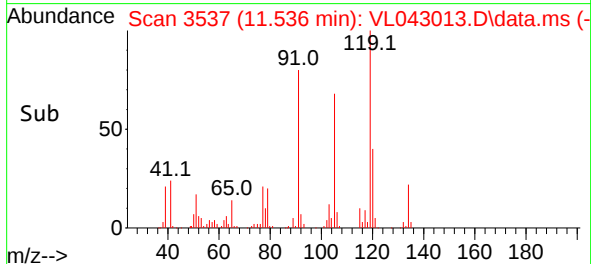
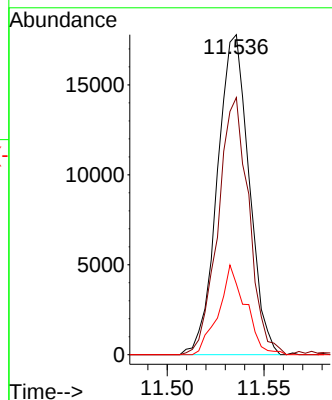
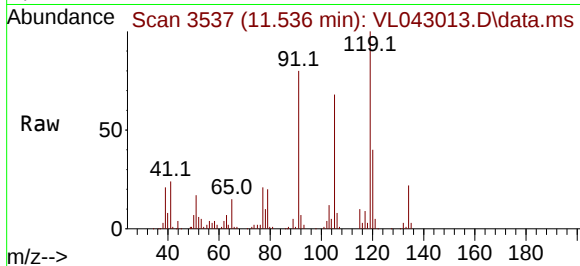




#65
tert-Butylbenzene
Concen: 0.308 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.010 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

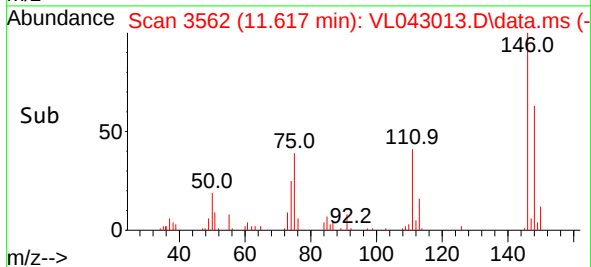
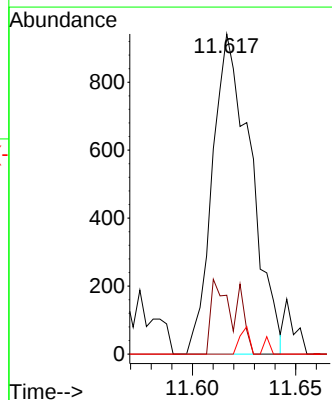
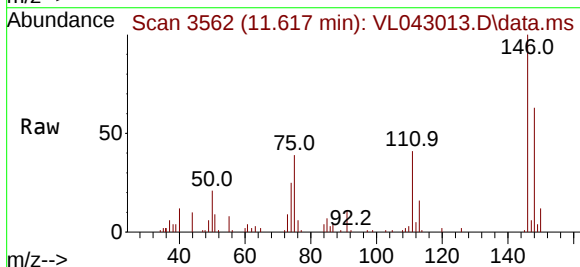
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2025

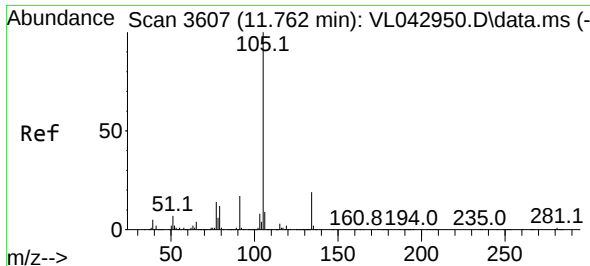
Tgt Ion:119 Resp: 20223
Ion Ratio Lower Upper
119 100
91 78.3 63.1 94.7
134 23.9 17.0 25.6



#66
Benzyl Chloride
Concen: 0.177 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.006 min
Lab File: VL043013.D
Acq: 24 Sep 2025 17:24

Tgt Ion: 91 Resp: 1222
Ion Ratio Lower Upper
91 100
126 14.4 14.6 21.8#
128 2.9 5.0 7.4#

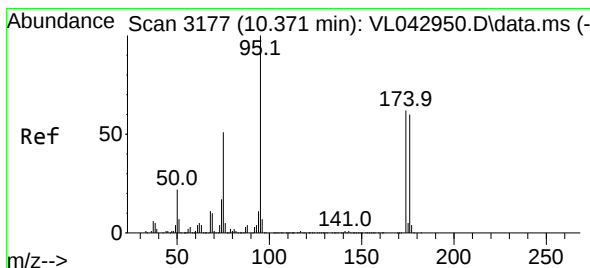
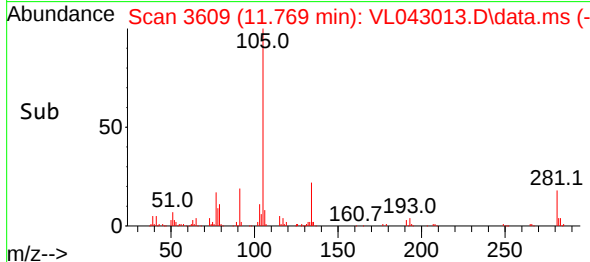
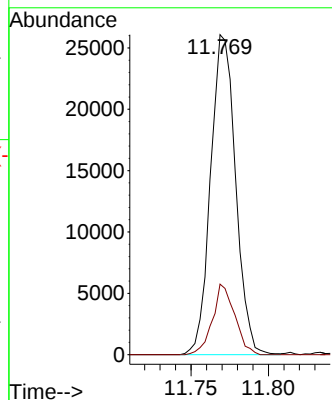
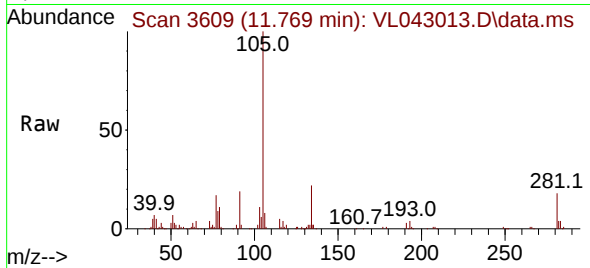




#67
 sec-Butylbenzene
 Concen: 0.320 ppbv
 RT: 11.769 min Scan# 3180
 Delta R.T. 0.006 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

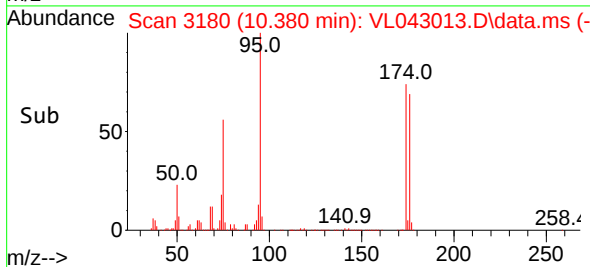
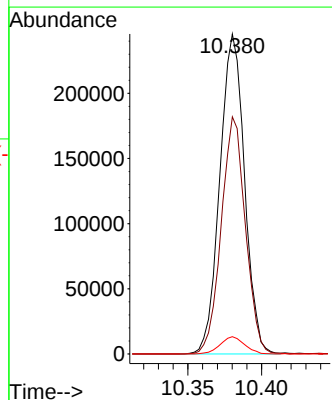
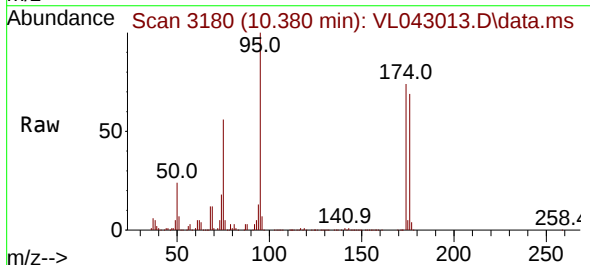
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2025

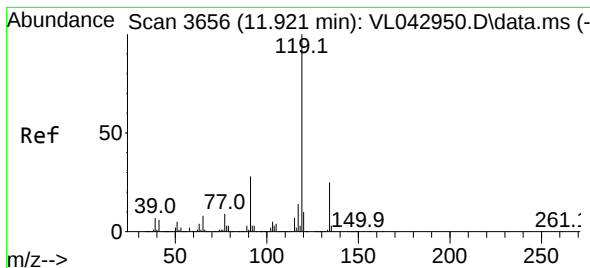
Tgt Ion:105 Resp: 29325
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.987 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

Tgt Ion: 95 Resp: 285639
 Ion Ratio Lower Upper
 95 100
 174 72.5 51.4 77.2
 175 5.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.290 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.010 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

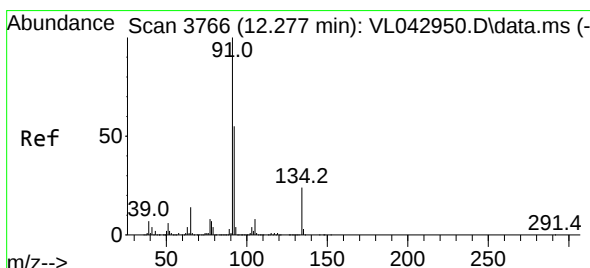
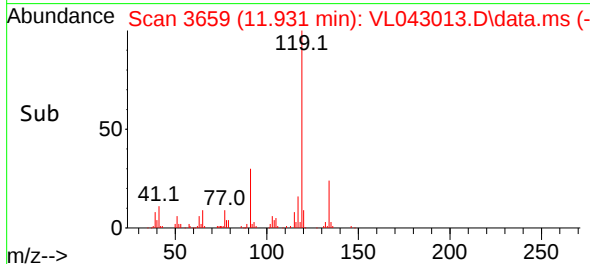
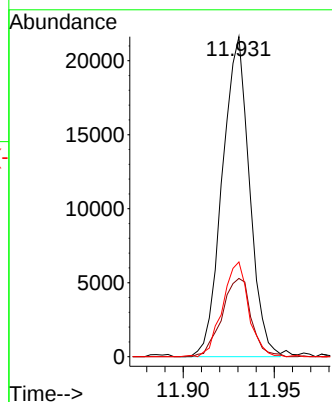
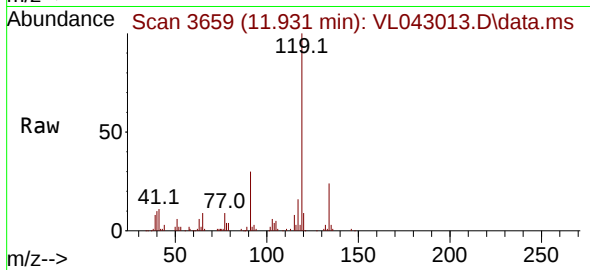
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	119	Resp:	22416
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.0	31.4
91	28.5	22.3	33.5



#70

n-Butylbenzene

Concen: 0.251 ppbv

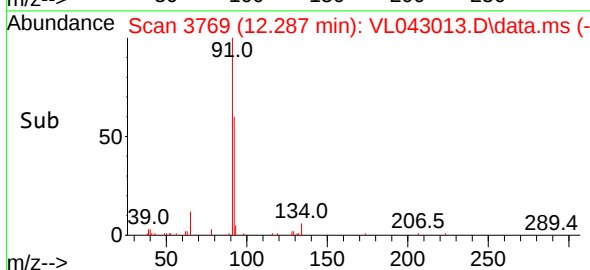
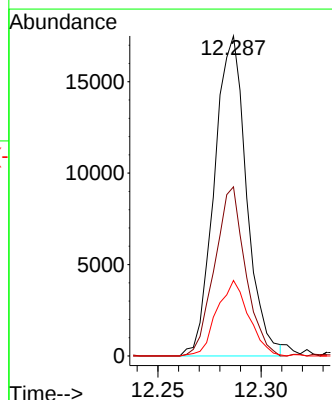
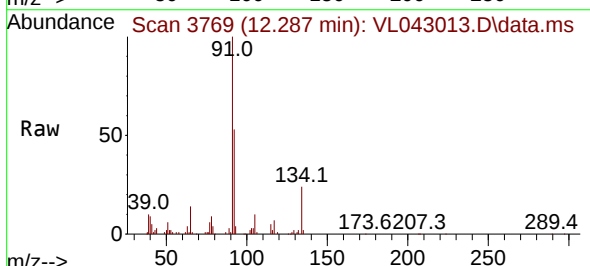
RT: 12.287 min Scan# 3769

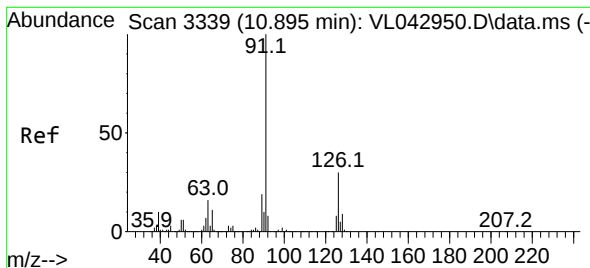
Delta R.T. 0.010 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Tgt Ion:	91	Resp:	18961
Ion	Ratio	Lower	Upper
91	100		
92	50.8	44.0	66.0
134	23.5	19.4	29.2





#71

2-Chlorotoluene

Concen: 0.332 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

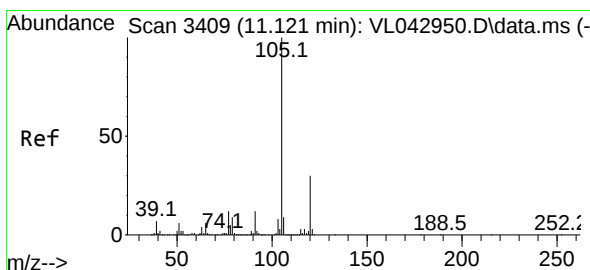
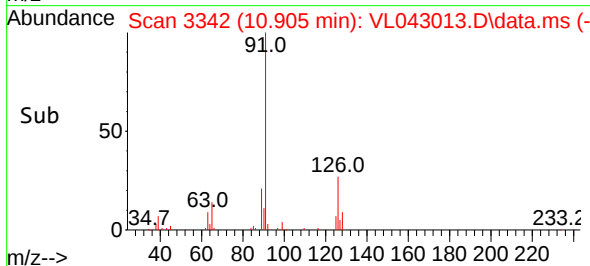
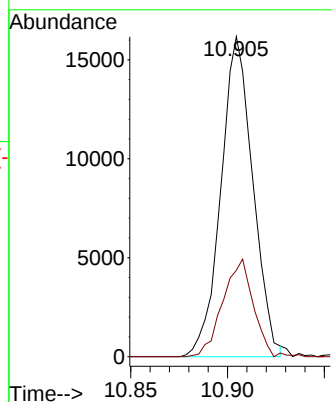
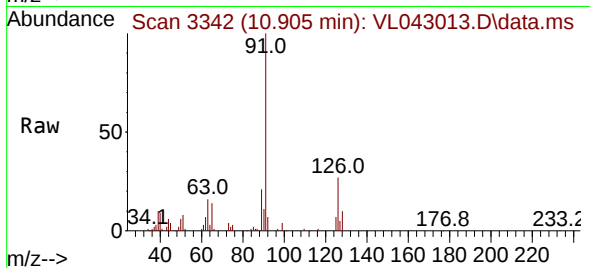
MDL-AIR-03-QT3-2025

Tgt Ion: 91 Resp: 18550

Ion Ratio Lower Upper

91 100

126 29.3 12.3 49.3



#72

4-Ethyltoluene

Concen: 0.284 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Tgt Ion: 105 Resp: 17654

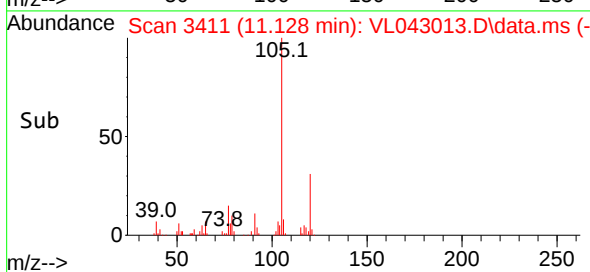
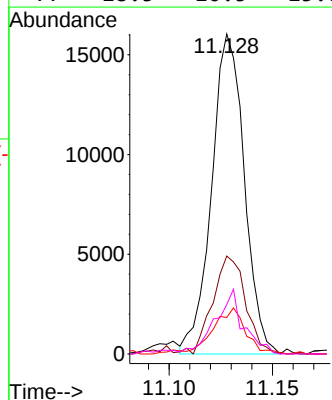
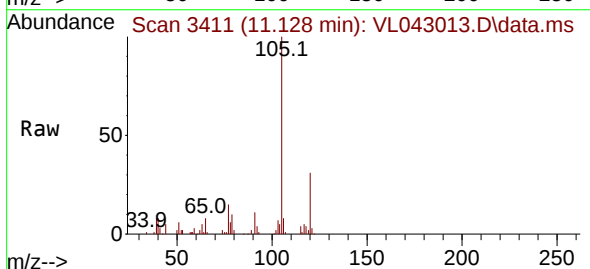
Ion Ratio Lower Upper

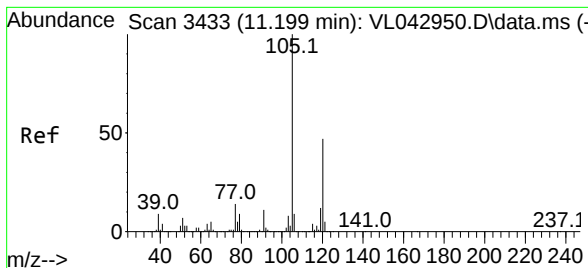
105 100

120 32.1 24.2 36.2

91 15.0 10.0 15.0

77 18.5 10.5 15.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.296 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

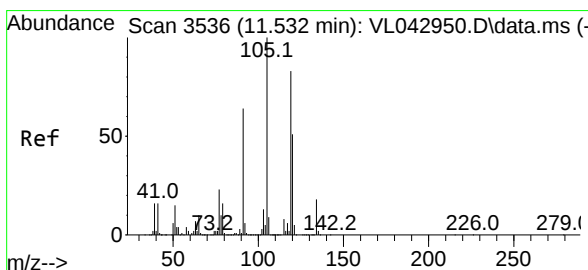
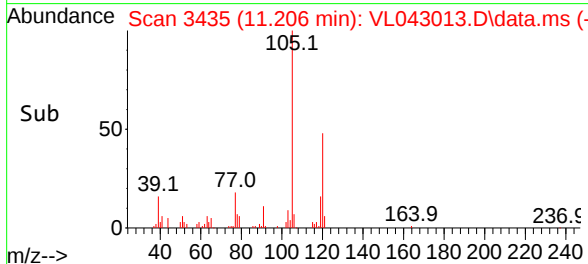
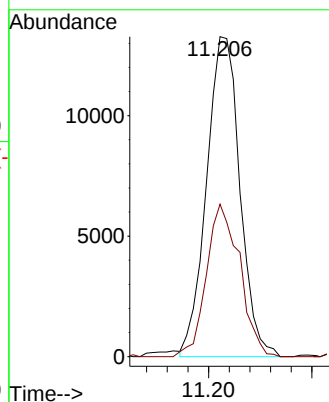
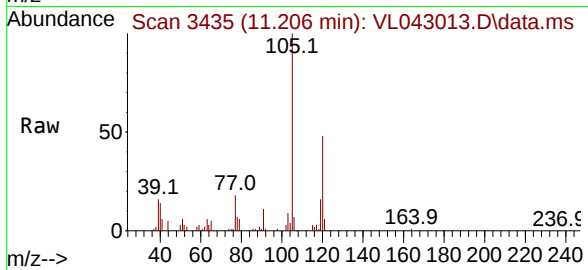
MDL-AIR-03-QT3-2025

Tgt Ion:105 Resp: 14917

Ion Ratio Lower Upper

105 100

120 47.7 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 0.294 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Tgt Ion:105 Resp: 16358

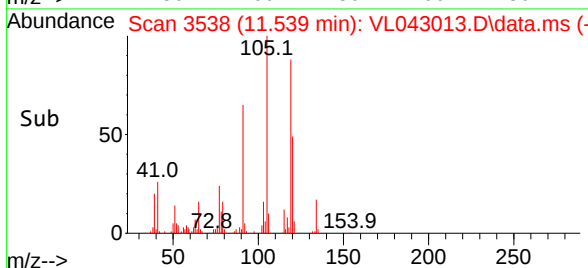
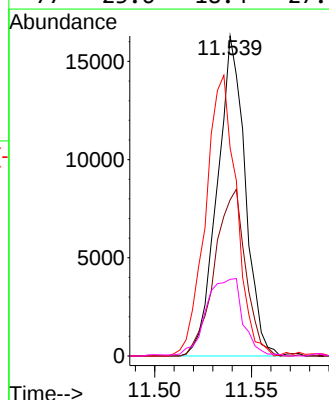
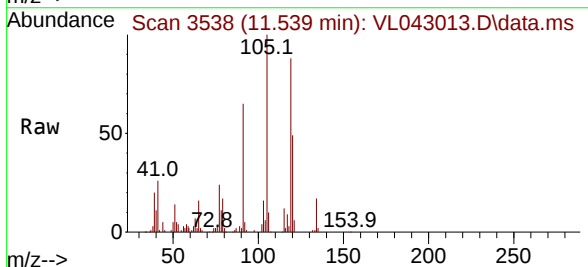
Ion Ratio Lower Upper

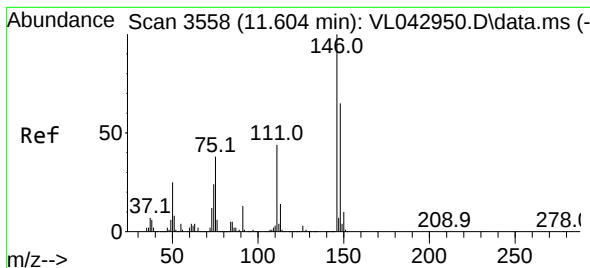
105 100

120 48.8 40.9 61.3

91 64.6 51.2 76.8

77 23.6 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 0.423 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

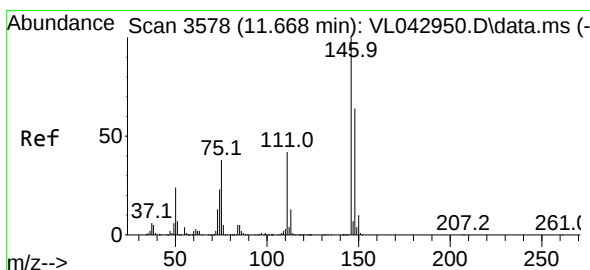
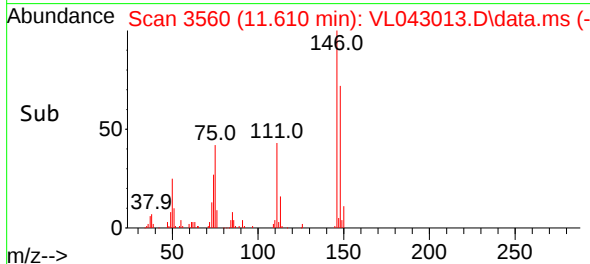
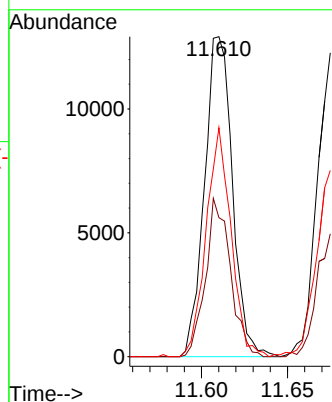
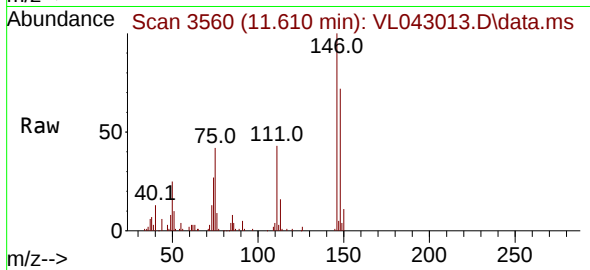
Tgt Ion:146 Resp: 14588

Ion Ratio Lower Upper

146 100

111 44.0 22.3 66.9

148 63.8 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.391 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

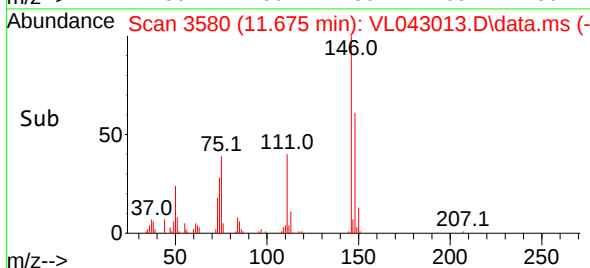
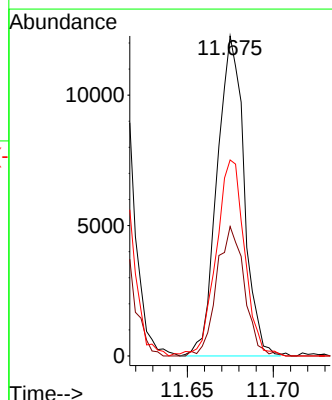
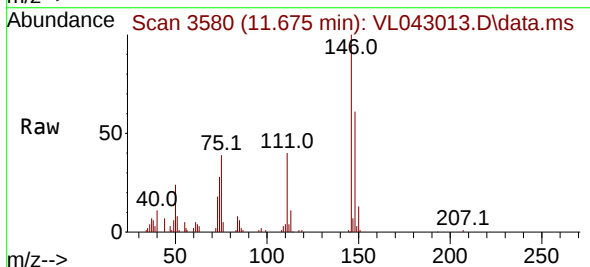
Tgt Ion:146 Resp: 13393

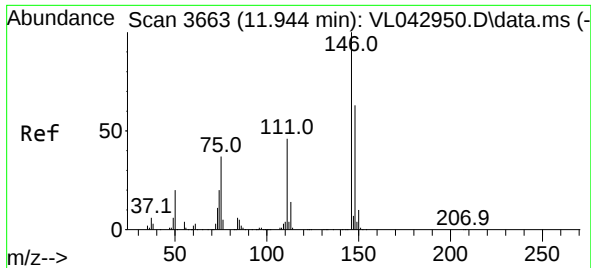
Ion Ratio Lower Upper

146 100

111 41.6 21.5 64.5

148 64.2 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.433 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

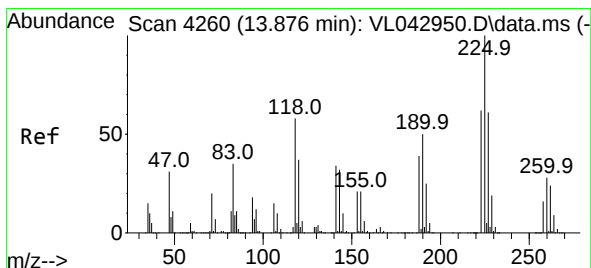
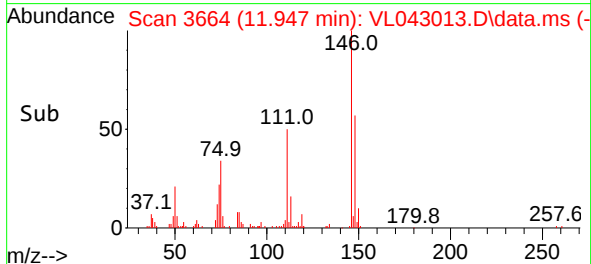
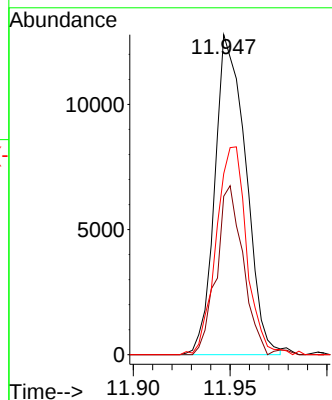
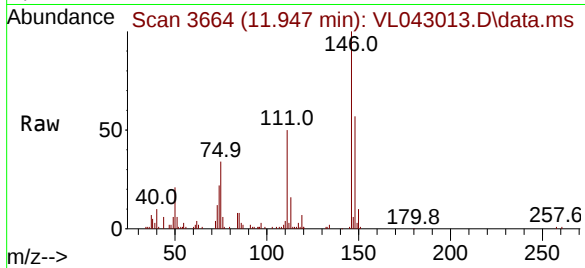
Tgt Ion:146 Resp: 14194

Ion Ratio Lower Upper

146 100

111 46.2 23.1 69.3

148 64.2 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.546 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.006 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

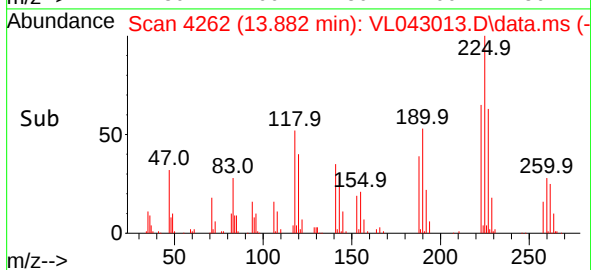
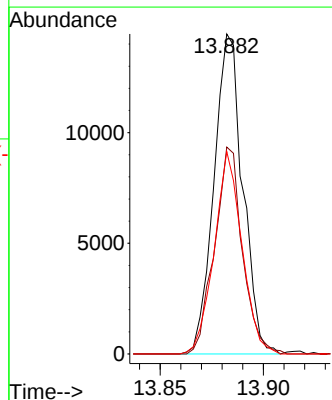
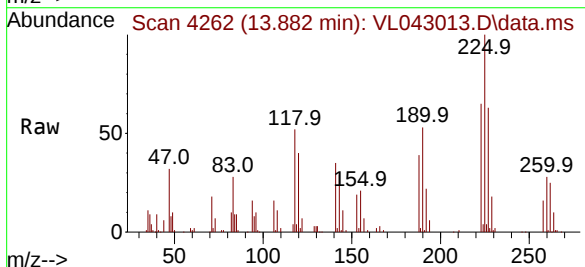
Tgt Ion:225 Resp: 14012

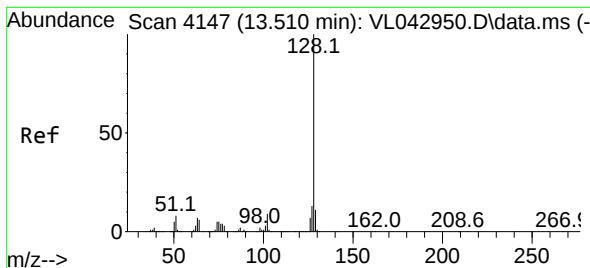
Ion Ratio Lower Upper

225 100

223 62.7 50.1 75.1

227 60.9 50.4 75.6





#79

Naphthalene

Concen: 0.141 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

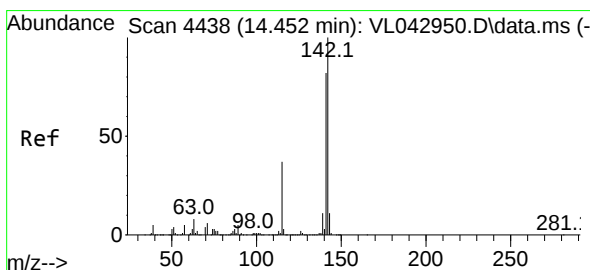
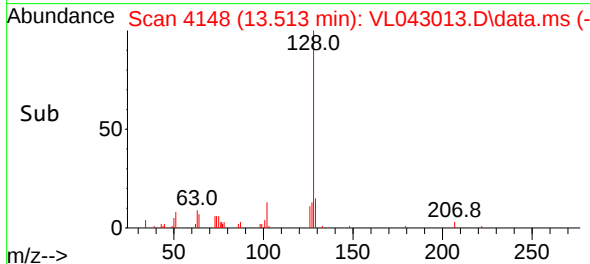
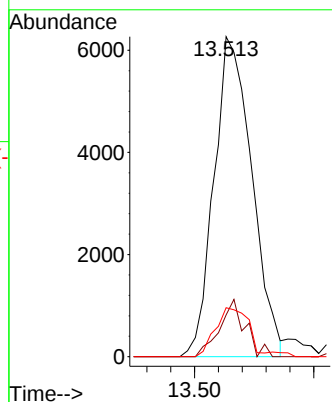
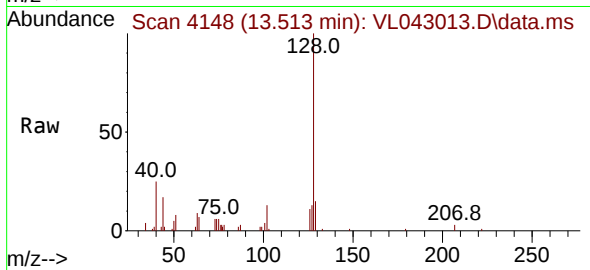
Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2025

Tgt Ion:	128	Resp:	6922
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	15.3	9.0	13.6#



#80

Naphthalene, 2-methyl-

Concen: 0.099 ppbv

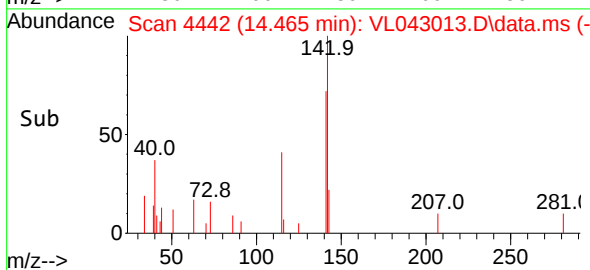
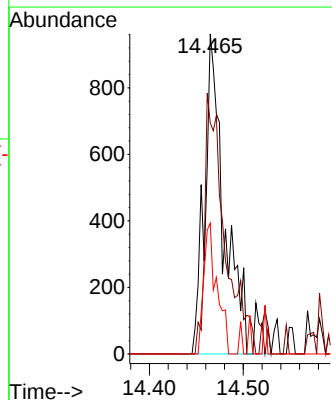
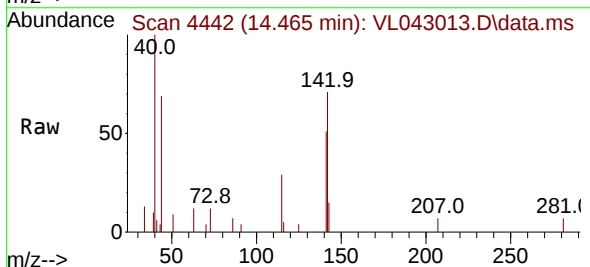
RT: 14.465 min Scan# 4442

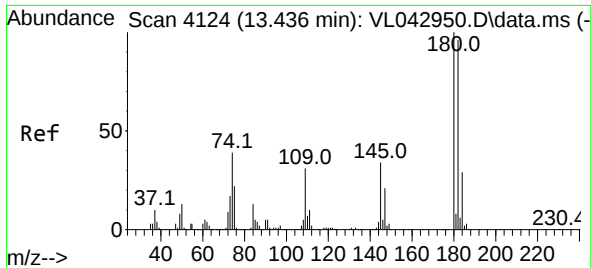
Delta R.T. 0.013 min

Lab File: VL043013.D

Acq: 24 Sep 2025 17:24

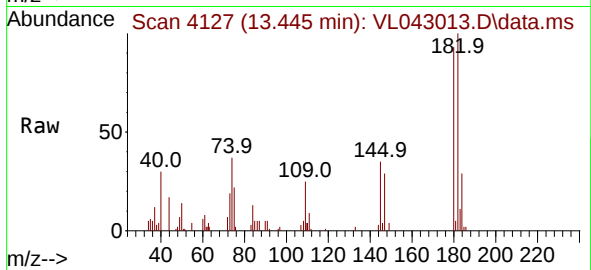
Tgt Ion:	142	Resp:	1501
Ion	Ratio	Lower	Upper
142	100		
141	78.5	65.1	97.7
115	26.7	28.9	43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.192 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL043013.D
 Acq: 24 Sep 2025 17:24

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



Tgt Ion:	180	Resp:	5037
Ion	Ratio	Lower	Upper
180	100		
182	106.8	75.7	113.5
184	27.9	23.9	35.9

